AGENDA
DES MOINES CITY COUNCIL
REGULAR MEETING

City Council Chambers
21630 11th Avenue S, Suite C
Des Moines, Washington
Thursday, August 27, 2026 - 6:00 PM

CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL

CORRESPONDENCE NOT PREVIOUSLY RECEIVED BY COUNCIL

COMMENTS FROM THE PUBLIC

REGIONAL COMMITTEE REPORT

CITY MANAGER REPORT/PRESENTATIONS/BRIEFINGS

Item 1. **Legislative Update from Senator Tina Orwall** – 25 Minutes

Item 2. **Des Moines Historical Society New Executive Director** – 10 Minutes

Item 3. **2026 2nd Quarter Financial Report** – 15 Minutes
Staff Presentation: Jeff Friend, Finance Director

Item 4. **Community Enrichment Services - Fall/Winter Programming Preview** – 10 Minutes
Staff Presentation: Kyle Ehlers, Program Supervisor, Community Enrichment

CONSENT AGENDA

Item 1. **Approval of Vouchers**
Motion: "I move to approve the payment vouchers through August 12th, 2026 and payroll transfers through August 6th, 2026 in the attached list and further described as follows:"

EFT Vendor Payments	# 14011 - # 14094	$ 725,033.46
Wires	# 3389 - # 3410	$ 1,020,303.20
Accounts Payable Checks	# 167669 - # 167703	$ 133,800.84

Voided Checks	# 165975, 166298, 166371	($350.00)
Payroll Checks 8/5/2026	# 20117 - # 20130	$ 19,225.29
Payroll Advice 8/5/2026	# 18412 - # 18601	$ 543,067.25
Payroll Advice-Off Cycle 8/6/2026	# 20011	-$ 72.49
Payroll Advice-Off Cycle 8/6/2026	#20131	$ 72.49

Total Checks and Wires for A/P & Payroll:	$ 2,441,125.04

Item 2. **Approval of Minutes**
Motion: "I move to approve the minutes from the July 09, 2026 City Council Regular Meeting, July 30, 2026 City Council Leadership Workshop, and the August 06, 2026 Committee of the Whole and Study Session meetings."

Item 3. **Judge Pro Tem Compensation - 1st Reading**
Motion: "I move to pass Draft Ordinance 26-059 to a second reading on the next available regular Council meeting agenda."

Item 4. **ILA with Highline Water District for 2026 North Hill AC Water Main Replacement Project**
Motion: “I move to approve the Interlocal Agreement between the City of Des Moines and Highline Water District regarding the 2026 North Hill AC Water Main Replacement Project, and further authorize the City Manager to sign said Agreement substantially in the form as submitted.”

Item 5. **Hemstad Consulting Contract Extension**
Motion: “I move to approve the contract extension with Hemstad Consulting, and authorize the City Manager to sign the Agreement substantially in the form as submitted.”

Item 6. **Citizens Advisory Board Appointment**
Motion: “I move to confirm the appointment of Philip Mendoza to the Citizens Advisory Board as the Business representative, effective immediately with an expiration date of June 30, 2027.”

Item 7. **Marina Steps Innovative Stormwater Bioretention Testing, Grant and Consultant Contract Amendments**
Motion 1: “I move to authorize the acceptance of the Puget Sound National Estuary Program Grant Amendment #1 for the Marina Steps Innovative Stormwater Bioretention Testing project in the amended amount of $548,386.00 and authorize the City Manager to sign the State funding agreement when it is available.”

Motion 2: “I move to approve the 2024-2025 On-Call General Civil Engineering Services Task Assignment 2025-016 Amendment #2 with Psomas, Inc. to provide stormwater bioretention testing and reporting in association with the Marina Steps Innovative Stormwater Bioretention Testing project in the amended amount not to exceed $263,323.07 and authorize the City Manager to sign said Task Assignment substantially in the form as submitted.”

Item 8. **Groundwater Remediation Consultant Contract**
Motion 1: “I move to approve the consultant services contract with WSP USA,

Inc. to provide consultant services for the Public Works Yard Ground Water Remediation Project in the amount of $119,356.00 and authorize the City Manager to sign said Task Assignment Supplement substantially in the form as submitted."

Motion 2: "I move to direct Administration to submit a budget amendment for the 2026 self-insurance fund to incorporate the 2026 WSP USA, Inc consultant services contract."

Item 9. **Barnes Creek Trail Project - Joint Utility Trench Agreement with Comcast**
Motion: "I move to approve the Joint Trench Utility Agreement with Comcast for the Barnes Creek Trail Project and further authorize the City Manager to sign said Joint Trench Utility Agreement substantially in the form as submitted."

NEW BUSINESS

Item 1. **Capital Improvements Plan** – 20 Minutes
Staff Presentation: Jeff Friend, Finance Director

Motion: "I move to adopt Draft Resolution No. 26-098 approving the City of Des Moines 2027 - 2032 Capital Improvements Plan."

Item 2. **Development Agreement Ordinance - 1st Reading** – 20 Minutes
Staff Presentation: Rebecca Deming, Community Development Director

Motion: "I move to pass Draft Ordinance 26-030 to a second reading on the next available regular Council meeting agenda."

Item 3. **New Agenda Items for Consideration** - 10 Minutes

COUNCILMEMBER REPORTS

(4 minutes per Councilmember) - 30 minutes

PRESIDING OFFICER'S REPORT

EXECUTIVE SESSION

NEXT MEETING DATE

September 03, 2026 Committee of the Whole and Study Session

ADJOURNMENT

Members of the public who wish to provide comment during the meeting via Zoom must register in advance. To register, please email cityclerk@desmoineswa.gov by 12:00 p.m. (noon) on the Wednesday before the meeting.

City Council meeting can be viewed live on the City's website, Comcast Channel 21/321, on the City's YouTube channel or via Zoom.

Projected Future Agenda Items

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **2026 2nd Quarter Financial Report**

ATTACHMENTS:
1. 2026 2nd Quarter Financial Report
2. 2026 2nd Quarter Financial Report PowerPoint

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Administration

DATE SUBMITTED:
August 16, 2026

CLEARANCES:
Finance

Purpose and Recommendation
The purpose of this item is to update the City Council on the City's financial outlook.

Strategic Plan Priority
Financial Stability

Background
The 2026 2nd Quarter Report is attached.

Discussion
The 2026 2nd Quarter Report is attached.

2026 2nd Quarter Financial Report

This report provides a snapshot of the City of Des Moines' financial performance for the second quarter ending June 30, 2026.

Highlights

- **General Fund Operating Income:** As of June 30, the General Fund reported operating income of $690,596. Net operating income is currently favorable primarily due to payroll timing. The first payroll paid in January was attributable to the prior year and was therefore reflected in prior-year expenditures. As a result, current-year expenditures effectively reflect one fewer payroll at this point. This is a timing difference rather than an ongoing savings, as the City will incur the corresponding payroll in January of next year.
- **One-Time Taxes:** Per the City's code, sales tax and B&O tax generated from construction projects with valuations exceeding $15 million are classified as One-Time Tax revenue. Driven by several major construction projects currently underway in the City, One-Time Sales Tax revenue totaled $387,514 through the second quarter, exceeding the annual budget of $200,000 by $287,514. One-Time B&O Tax revenue totaled $88,535 through the second quarter, which exceeds the annual budget of $75,000 by $13,535.
- **Public Safety Sales Tax:** HB-2015 expanded local authority to levy 0.1% sales tax dedicated to public safety purposes. The City now qualifies to receive this revenue and began collecting the tax in 2026. Through the second quarter, the City collected $181,937 and is on pace to receive the budgeted amount of $450,000 for the year. No expenditures have been recorded in the fund through the second quarter. With revenues now being received, eligible public safety expenditures will begin to be charged to the fund during the remainder of the year.

Forward-Looking Considerations

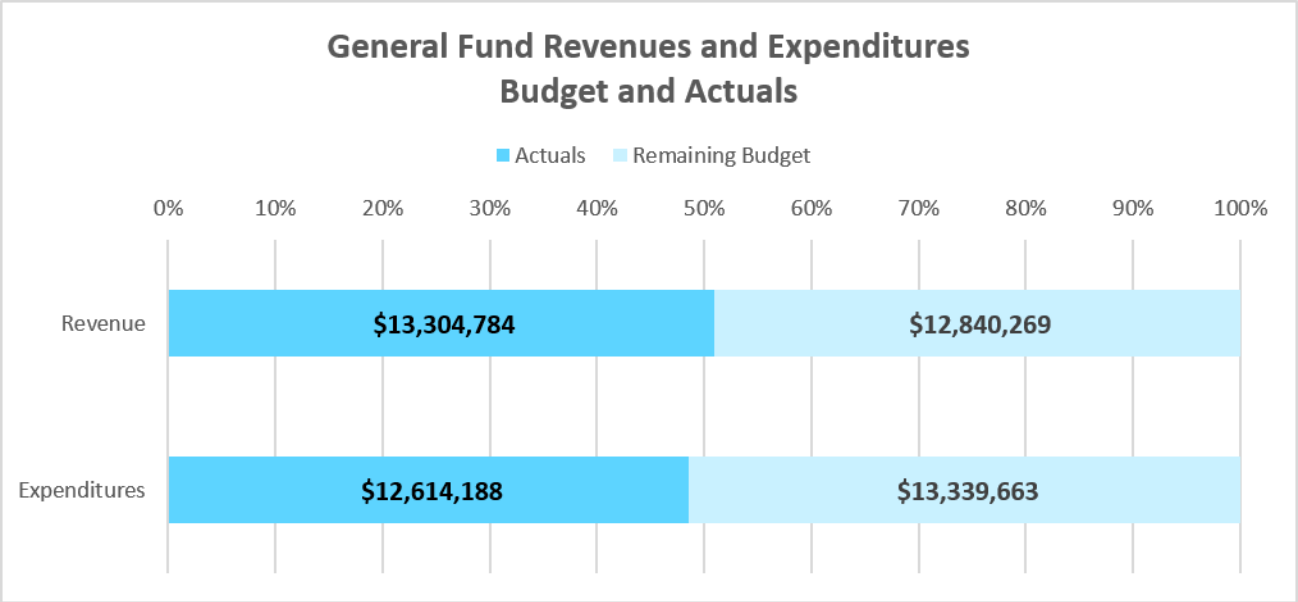
- **Public Defender Costs:** New Washington Supreme Court requirements regarding public defense services and attorney caseloads have significantly increased costs for local governments. Through the second quarter, the City incurred $187,608 in public defender costs. The annual budget is $55,000 in the General Fund and $110,000 in the Public Safety Sales Tax Fund. Staff will evaluate the need for budget adjustments as part of the 2026 budget amendment process.
- **Regular Sales Tax:** Despite strong one-time sales tax activity through the second quarter, regular sales tax revenue was $25,115 (1.0%) below the prior year. Staff is currently projecting no sales tax growth in the near term, reflecting continued uncertainty and recent trends in local sales tax collections.
- **Camera Revenue:** Revenue from the City's **red-light camera program** continues to decline. Through the second quarter, revenue totaled $289,759, falling $260,241 (47.0%) short of the year-to-date budget of $550,000. **Redondo speed enforcement** revenue has also significantly declined from last year. Camera revenue through June was $288,300 which was $266,700 short of the year-to-date budget of $555,000.

GENERAL FUND

The City's **General Fund** is the primary operating fund. It accounts for the majority of the City's day-to-day financial activities and supports essential public services that are not required to be funded by a separate, dedicated source.

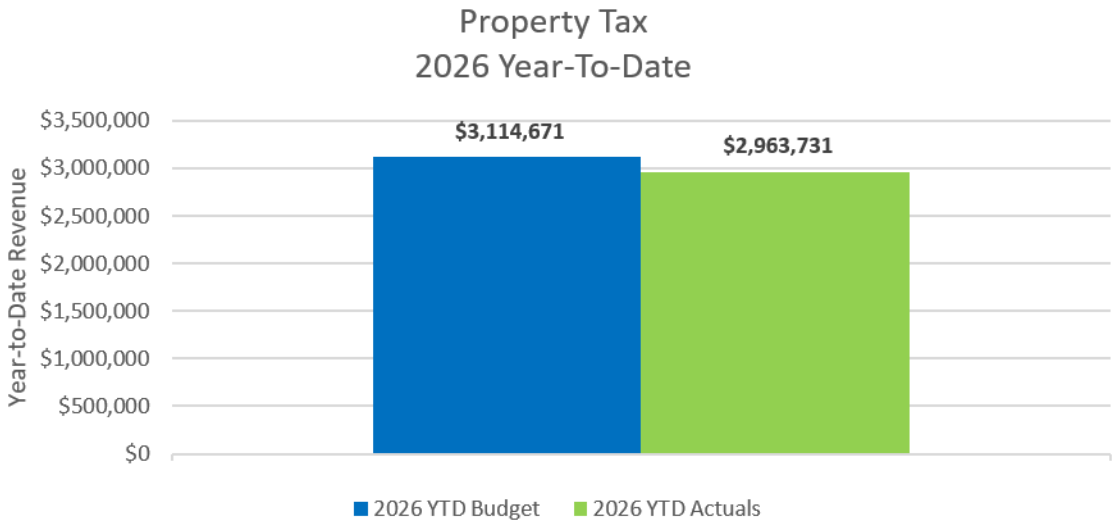
Revenues for the general fund typically come from local taxes (such as property taxes and sales taxes), business licenses, service fees, fines, and intergovernmental transfers. These funds are used to cover general government operations—such as police, public works, parks and recreation, and administration.

Through the second quarter of 2026, the General Fund received $13,304,784 in revenue, coming in 1.4% over the year-to-date budget of $13,121,530. 2026 expenditures totaled $12,614,188, or 2% above the year-to-date budget of $12,369,639. Operating Income was $690,596.

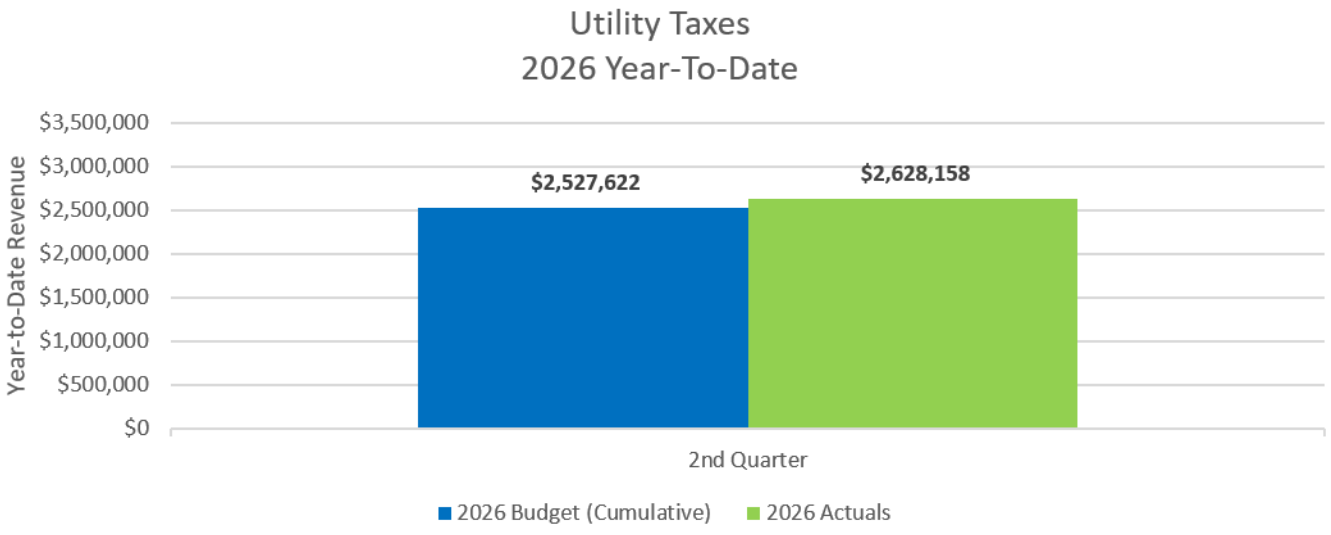


Revenue

Property Taxes are primarily collected in the second and fourth quarters (April and October). Property tax collected through the second quarter of 2026 was $2,963,731, which was $150,941 (5.0%) lower than the year-to-date budget of $3,114,671.



Utility Taxes collected through the second quarter of 2026 were $2,628,158, which is $ 100,536 (4.0%) greater than budget. The City collects utility tax on the usage of electricity, natural gas, solid waste disposal, cable TV, telephone, and surface water. The City continues to see an increase in utility tax collections over past years. The adopted budget for Utility Tax revenue for 2026 was $4,775,000.

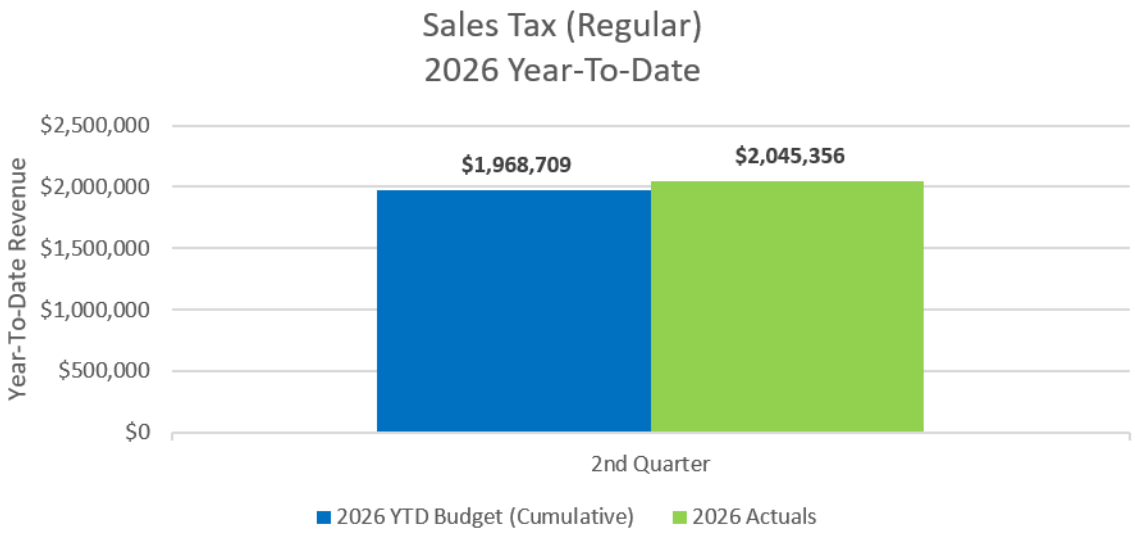


The table below demonstrates actual revenues compared to prior year collections by the different utility categories:

Utility Tax Type	2025 Q2 Total	2026 Q2 Total	Change from 2025 Amount	Change from 2025 Percent
Electricity	$ 968,252	$ 1,155,445	$ 187,193	19.3%
Natural Gas	375,328	368,641	(6,687)	-1.8%
Solid Waste	344,157	352,649	8,493	2.5%
Cable TV	290,758	318,639	27,881	9.6%
Telephone	123,347	101,449	(21,899)	-17.8%
SWM*	324,664	331,336	6,671	2.1%
YE Total	**$ 2,426,507**	**$ 2,628,158**	**$ 201,652**	**8.3%**

**Surface Water Management (SWM) billings include a 15% utility tax. The 15% tax is collected by the Surface Water Management Fund then paid to the General Fund and the Street Fund. The General Fund receives 87% of the SWM utility tax with the Street Fund receiving 13%.*

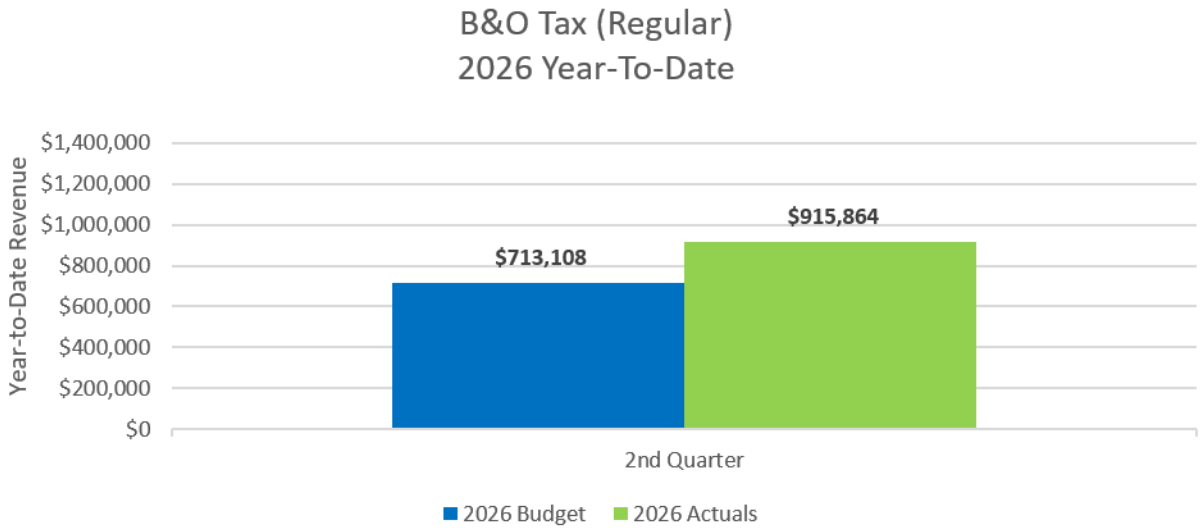
Sales and Use Tax (Regular) collection decreased $ 25,115 (1.0%) compared to the prior year. Through the second quarter, the City collected $2,045,356 in regular sales tax, which was $ 76,647 (4.0%) more than budgeted expectations. "Regular" Sales and Use Tax excludes the sales and use tax generated by construction projects that are valued at $15 million or more. The adopted budget for regular Sales Tax revenue for 2026 is $4,180,000.



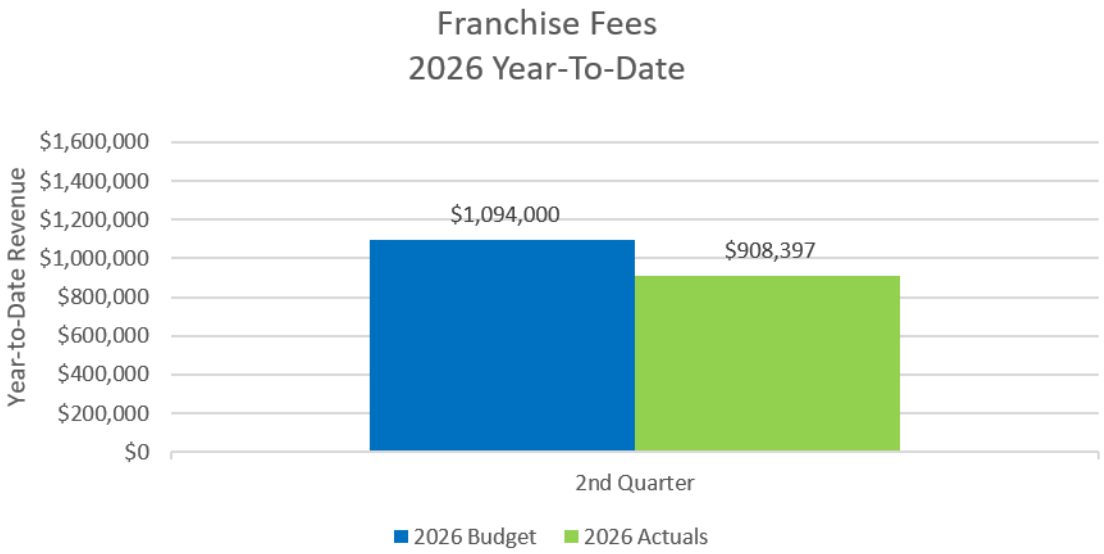
The City receives **One-Time Sales and Use Tax** from construction projects in the City whose permits are valued at $15 million or more. Through the second quarter, the City received $387,514 of One-Time Sales Tax revenue against a total annual budget of $200,000.

Please see Attachment #1 for a breakdown of sales tax by revenue category.

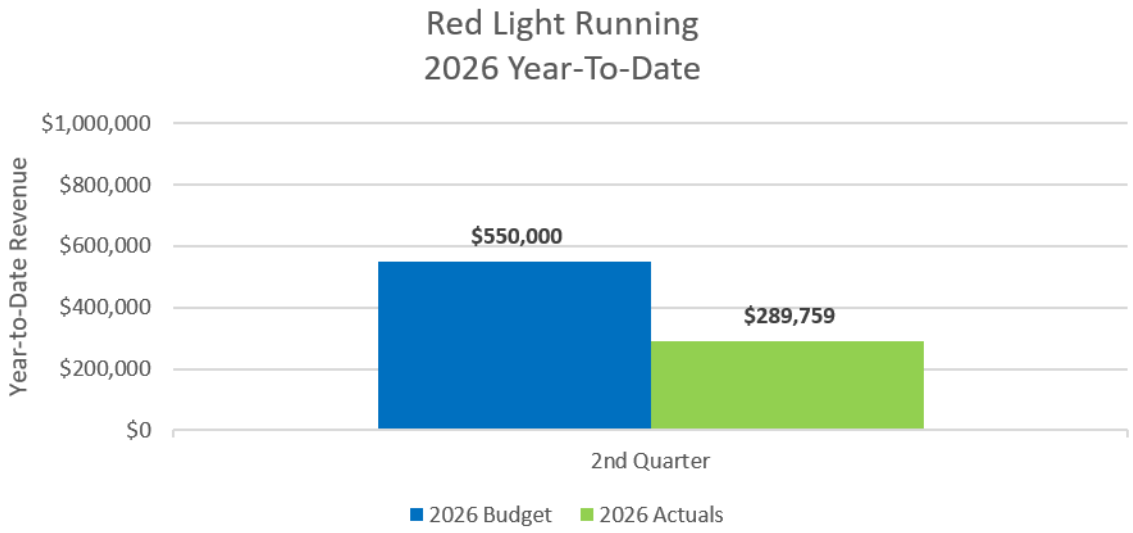
The City received $915,864 in regular **Business and Occupation Tax** through the second quarter of 2026. This amount was $202,756 (28.0%) more than the year-to-date budget. Collections of B&O Tax were also $596,202 (186.5%) more than the prior year.



Franchise Fees help the City recoup the cost of allowing a utility to use its public space. Through the second quarter of 2026, the City collected $908,397 in franchise fees, which was $185,603 (17.0%) less than the year-to-date budget but $33,586 more than the same period in the prior year. The adopted budget for Franchise Fee revenue for 2026 is $2,188,000.

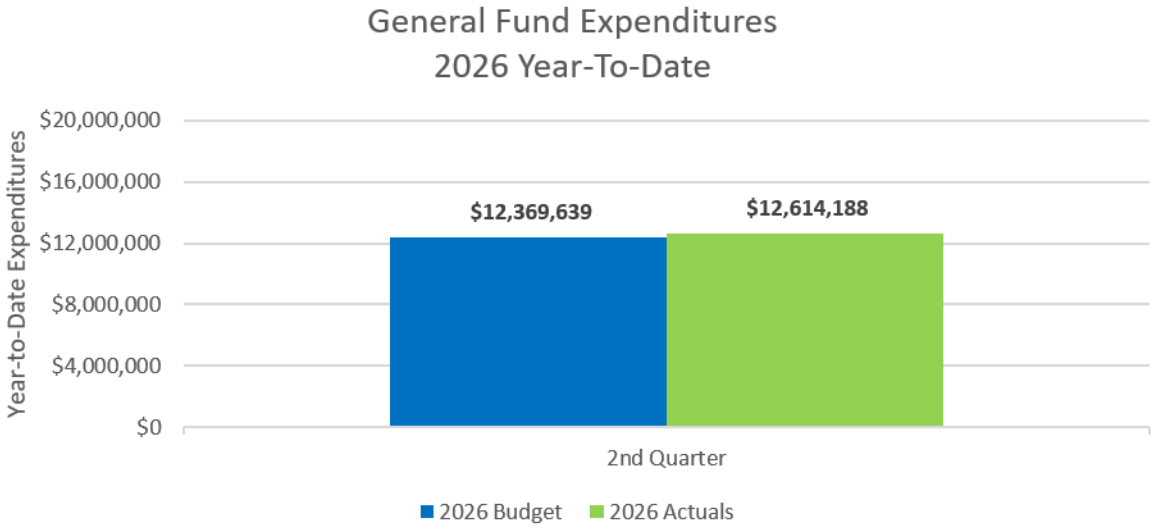


Red Light Running Infractions is revenue received from fines generated by the red light camera ticketing system installed at select intersections in the City. In the second quarter, the City collected $289,759 in red light running fee revenue, which was $215,016 (42.6%) less than the prior year and $260,241 (47.0%) less than YTD budget. This amount follows the trend of safer driving resulting in reduced revenues. The 2026 adopted annual budget for Red Light Running revenue was $1.1 million.



Expenditures

General Fund expenditures were $12,614,188, which was $244,549 (2%) more than budget and $156,428 (1%) less than the prior year.



General Fund Summary of Uses Year to Date through September	2025 YTD Actual	2026 Annual Budget	2026 YTD Budget	2026 YTD Actual	2026 vs 2025 $	2026 vs 2025 %	2026 vs. Budget $	2026 vs. Budget %
Personnel	8,016,595	17,444,006	7,998,002	8,055,627	39,033	0.5%	57,626	0.7%
Supplies	363,407	601,200	300,600	360,229	(3,178)	-0.9%	59,629	19.8%
Services	3,022,727	3,330,283	2,982,045	3,047,492	24,765	0.8%	65,447	2.2%
Internal Services	1,359,812	2,289,181	1,146,430	1,146,429	(213,383)	-15.7%	(1)	0.0%
Transfers Out	8,075	-	-	4,410	(3,665)	-45.4%	4,410	0.0%
Total Expenditures	**12,770,616**	**23,664,670**	**12,427,077**	**12,614,188**	**(156,428)**	**-1.2%**	**187,111**	**1.5%**

Overall expenditures remain on target, ending the second quarter 2% above year-to-date budget expectations.

Personnel: Personnel costs represent expenditure of funds for salary and benefits expenses. Through the second quarter, personnel costs were $39,033 (0.5%) higher than the prior year and $57,626 (0.7%) less than budget.

Supplies: Expenditures for supplies were $59,629 (19.8%) above the year-to-date budget of $300,600. The variance is primarily attributable to software purchases and related maintenance agreements. While these costs were budgeted in the Computer Replacement Fund, the purpose of that fund, as established by municipal code, does not include these types of expenditures. As a result, the costs must be recorded in the General Fund. A budget amendment is anticipated later this year to align the budget with the appropriate fund.

Internal Services: Internal service fund charges were at budget through the second quarter and decreased by $213,383 compared to the prior year, reflecting the City's efforts to restore funding for vehicle replacement. Following the COVID-19 pandemic, the City had fallen behind in adequately funding fleet replacement, which placed added strain on the General Fund. With funding levels now restored and aligned with long-term needs, future required funding levels should decrease from those of 2025.

Transfers Out: A transfer out to the American Rescue Plan Act (ARPA) Fund was recorded during the second quarter. A reconciliation of ARPA funds found that $4,410 of ARPA funding was received in the General Fund in 2021 but never transferred to the ARPA Fund.

General Fund Details

General Fund Summary of Sources and Uses	2026 Adopted Budget	2026 YTD Budget	2026 YTD Actual	2026 YTD Budget vs Actual Amount	2026 YTD Budget vs Actual Percentage	2026 Remaining Budget
Operating Revenues (Recurring)						
Taxes	$ 20,423,000	$ 10,508,110	$ 10,366,164	$ (141,947)	-1%	$ 10,056,836
Licenses and Permits	470,000	261,285	266,608	5,323	2%	203,392
Intergovernmental (Grants, etc.)	885,381	442,691	487,400	44,709	10%	397,981
Fees/Charges/Fines	1,935,740	967,870	819,607	(148,263)	-15%	1,116,133
Other	2,136,573	794,395	888,955	94,560	12%	1,247,618
Total Operating Revenues (Recurring)	**$ 25,850,694**	**$ 12,974,350**	**$ 12,828,734**	**$ (145,616)**	**-1%**	**$ 13,021,960**
Nonrecurring Revenues						
Sound Transit	19,359	9,680	-	(9,680)	-100%	19,359
Sales Tax (One-Time)	200,000	100,000	387,514	287,514	288%	(187,514)
B&O Tax (One-Time)	75,000	37,500	88,535	51,035	136%	(13,535)
Total Nonrecurring Revenues	**$ 294,359**	**$ 147,180**	**$ 476,050**	**$ 328,870**	**223%**	**$ (181,691)**
Total Revenue	**$ 26,145,053**	**$ 13,121,530**	**$ 13,304,784**	**$ 183,254**	**1.40%**	**$ (382,740)**

General Fund Summary of Sources and Uses	2026 Adopted Budget	2026 YTD Budget	2026 YTD Actual	2026 YTD Budget vs Actual Amount	2026 YTD Budget vs Actual Percentage	2026 Remaining Budget
Operating Expenditures (Recurring)						
City Council	$ 97,008	$ 45,170	$ 40,948	(4,222)	-9%	56,060
City Manager's Office	759,584	353,525	292,356	(61,169)	-17%	467,228
City Clerk	509,792	234,189	307,458	73,269	31%	202,334
Human Resources	230,865	108,578	178,296	69,718	64%	52,569
Emergency Management	33,750	16,875	26,672	9,797	58%	7,078
Communications	193,028	91,105	169,125	78,020	86%	23,903
Finance	1,297,475	600,509	646,383	45,874	8%	651,092
Information Technology Services	1,280,918	615,921	665,791	49,870	8%	615,127
Legal	980,643	451,991	399,717	(52,273)	-12%	580,926
Municipal Court	1,746,293	805,782	761,241	(44,541)	-6%	985,052
Police	11,503,328	5,374,847	5,305,076	(69,772)	-1%	6,198,252
Planning and Building (Tax-based)	392,212	180,764	197,342	16,578	9%	194,870
Building and Parks Maintenance	1,660,024	781,489	884,217	102,728	13%	775,807
Community Events and Services	1,643,801	779,615	684,277	(95,338)	-12%	959,524
Non-Departmental						
Professional Services - Code Update	2,000	1,000	2,239	1,239	124%	(239)
Official Publication Services	1,400	700	465	(235)	-34%	935
Des Moines Historical Society Rent	7,800	3,900	4,550	650	17%	3,250
County Recording Services	5,000	2,500	4,609	2,109	84%	391
Election Services	130,000	130,000	20,391	(109,609)	-84%	109,609
Voter Registration Services	60,000	30,000	115,586	85,586	285%	(55,586)
Organizational Memberships	99,751	99,751	125,054	25,303	25%	(25,303)
Fire Suppression - South King Fire	23,000	11,500	10,483	(1,018)	-9%	12,518
Fire Investigation Services	47,000	23,500	-	(23,500)	-100%	47,000
SCORE	741,454	370,727	366,555	(4,172)	-1%	374,899
Public Defender	55,000	27,500	187,608	160,108	582%	(132,608)
Bank Fees	12,880	6,440	12,886	6,446	100%	(6)
Computer Replacement	205,989	102,995	102,995	(0)	0%	102,994
Equipment Rental Maintenance	497,921	248,961	248,961	(0)	0%	248,960
Equipment Rental Replacement	819,181	411,429	411,429	0	0%	407,752
Insurance	669,860	334,930	334,930	0	0%	334,930
Facility Repair and Replacement	96,230	48,115	48,115	0	0%	48,115
Transfers Out - Fund 114 (American Rescue Plan Act Fund)	-	-	4,410	4,410	-	(4,410)
Total Operating Expenditures (Recurring)	**$ 25,803,187**	**$ 12,294,307**	**$ 12,560,164**	**$ 265,857**	**2%**	**$ 13,243,023**
Nonrecurring Expenditures						
Contingency	50,000	25,000	-	(25,000)	-100%	50,000
Sound Transit	19,359	9,680	-	(9,680)	-100%	19,359
Website	18,500	9,250	-	(9,250)	-100%	18,500
Professional Services - Strategic Plan	33,375	16,688	33,375	16,688	100%	-
Professional Services - Benchmarking Analysis	15,930	7,965	8,649	684	9%	7,281
Communications Contract	13,500	6,750	12,000	5,250	78%	1,500
Total Nonrecurring Expenditures	**$ 150,664**	**$ 75,332**	**$ 54,024**	**$ (21,308)**	**-28%**	**$ 96,640**
Total Expenditures	**$ 25,953,851**	**$ 12,369,639**	**$ 12,614,188**	**$ 244,549**	**2%**	**$ 13,339,663**
Total Operating Income (Loss)	**$ 191,202**	**$ 751,890**	**$ 690,596**	**$ (61,295)**	-8%	

**June is month 6 of 12= 50.0%

OTHER FUNDS

SPECIAL REVENUE FUNDS

A **special revenue fund** is a type of government fund used to account for money that must be spent on a specific purpose, as required by law or regulation.

Unlike the general fund, which can be used for a wide range of services, special revenue funds are restricted. The money that goes into these funds often comes from dedicated sources—such as grants, special taxes, or fees—and it can only be used for the specific program or service it was intended for.

For example, a city might have a special revenue fund for road maintenance that's funded by a gas tax, or one for parks and recreation funded by a portion of sales tax. The key point is that the money in these funds is legally earmarked and cannot be redirected to unrelated expenses.

These funds help ensure transparency and accountability by making it easier to track how specific revenue sources are used.

Summary of Special Revenue Funds:

Special Revenue Funds:	Revenue			Expenditures		
Fund	Budget	Actual	% of Budget	Budget	Actual	% of Budget
Street	$ 2,624,000	$ 1,363,735	52.0%	$ 2,908,402	$ 889,196	30.6%
Arterial Pavement	1,606,000	14,788	0.9%	1,757,322	4,585	0.3%
Public Safety Sales Tax	450,000	181,937	40.4%	450,000	-	0.0%
Development Fund	2,958,422	1,586,686	53.6%	3,500,570	1,380,132	39.4%
Police Drug Seizure	26,000	-	0.0%	20,500	-	0.0%
Hotel-Motel Tax	128,000	42,170	32.9%	125,000	37,443	30.0%
Affordable Housing Sales Tax	35,000	12,360	35.3%	35,000	34,933	99.8%
American Rescue Plan Act	-	4,410	0.0%	-	-	0.0%
Redondo Zone	145,130	48,016	33.1%	127,510	66,046	51.8%
Waterfront Zone	458,210	392,051	85.6%	397,452	348,697	87.7%
PBPW Automation Fee	190,000	84,915	44.7%	133,541	11,791	8.8%
Urban Forestry	5,000	-	0.0%	5,000	-	0.0%
Abatement	3,600	1,525	42.4%	2,500	-	0.0%
Automated Speed Enforcement (ASE)	357,500	145,509	40.7%	311,905	134,948	43.3%
Redondo Speed Enforcement Fund	1,110,000	289,016	26.0%	1,309,849	179,810	13.7%
Transport Benefit District	$ 1,020,000	$ 490,742	48.1%	$ 2,605,000	$ 453,188	17.4%

Development Fund Details

The purpose of the Development Fund is to account for revenue generated by fee-based development-related activities, including permitting, plan review, etc. and the associated cost of providing services. Divisions included in this fund include Planning and Development Services, Building, Joint and Minor Home Repair, Code Enforcement, Engineering Services, and City Project Management.

Development Fund Summary of Sources and Uses	2026			2026 YTD Budget vs Actual		
	Adopted Budget	YTD Budget	YTD Actual	Amount	Percentage	Remaining Budget
Operating Revenues						
Planning and Building						
Building Permits	$ 825,284	$ 412,642	$ 767,423	$ 354,781	86%	$ 57,861
Other Licenses and Permits	369,987	184,994	156,753	(28,241)	-15%	213,234
Intergovernmental (Grants, etc.)	97,749	48,875	39,892	(8,982)	-18%	57,857
Charges for Services:						
Zoning Fees	337,825	168,913	119,853	(49,059)	-29%	217,972
Plan Check Fees	661,050	330,525	219,240	(111,285)	-34%	441,810
Other Fees	7,914	3,957	15,234	11,277	285%	(7,320)
Credt Card Fees	42,436	21,218	24,392	3,174	15%	18,044
Misc. Revenue	-	-	169	169	0%	(169)
Penalties - Stop Work	15,965	7,983	82,989	75,006	940%	(67,024)
Planning and Building Revenue Subtotal	**$ 2,358,210**	**$ 1,179,105**	**$ 1,425,944**	**$ 246,839**	**21%**	**$ 932,266**
Engineering						
Right-Of-Way Permits	$ 141,250	$ 70,625	$ 138,844	$ 68,219	97%	$ 2,406
Engineering Fees	28,657	14,329	4,275	(10,054)	-70%	24,382
Interfund Charges/ Engineering CIP Support	344,573	172,287	-	(172,287)	-100%	344,573
Engineering Revenue Subtotal	**$ 514,480**	**$ 257,240**	**$ 143,119**	**$ (114,121)**	**-44%**	**$ 371,361**
Interest Income	50,000	25,000	17,623	(7,377)	-30%	32,377
Transfers In - PBPW Automation Fee Fund	35,732	-	-	-	0%	35,732
Total Operating Revenues	**$ 2,958,422**	**$ 1,461,345**	**$ 1,586,686**	**$ 125,341**	**9%**	**$ 1,371,736**
Operating Expenditures						
Planning and Building						
Salaries and Benefits	$ 1,791,756	$ 821,222	$ 732,051	$ (89,171)	-11%	$ 1,059,705
Supplies	30,353	15,177	12,474	(2,702)	-18%	17,879
Services	668,659	334,330	277,104	(57,225)	-17%	391,555
Planning and Building Expenditures Subtotal	$ 2,490,768	$ 1,170,728	$ 1,021,629	$ (149,098)	-13%	$ 1,469,139
Engineering						
Salaries and Benefits	$ 737,287	$ 337,923	$ 282,993	$ (54,930)	-16%	$ 454,294
Supplies	12,500	6,250	3,538	(2,712)	-43%	8,962
Services	260,015	130,008	71,972	(58,036)	-45%	188,043
Engineering Expenditures Subtotal	$ 1,009,802	$ 474,181	$ 358,503	$ (115,678)	-24%	$ 651,299
Total Operating Expenditures	**$ 3,500,570**	**$ 1,644,908**	**$ 1,380,132**	**$ (264,776)**	**-16%**	**$ 2,120,438**
Total Operating Income (Loss)	**$ (542,148)**	**$ (183,563)**	**$ 206,554**	**$ 390,117**		

**June is month 6 of 12 = 50%

DEBT SERVICE FUND

The **debt service fund** accounts for the financial resources that are restricted, committed, or assigned to expenditures for principal, interest and related costs on general long-term debt.

Debt Service Fund:	Revenue			Expenditures		
Fund	Budget	Actual	% Actual to Budget	Budget	Actual	% Actual to Budget
Debt Service Fund	$ 1,047,519	$ 523,760	50.0%	$ 1,047,518	$ 423,826	40.5%

Expenditures typically occur on June 1 (2nd Quarter) and December 1 (4th Quarter) of each year.

CAPITAL PROJECT FUND

A **capital project fund** is used by a city or town to track money set aside for large, long-term construction or improvement projects—like building a new school, library, fire station, or major road.

These funds are separate from the general fund because capital projects often involve large amounts of money and take multiple years to complete. The money in a capital project fund usually comes from sources like bonds (borrowed money), grants, or dedicated taxes.

The purpose of the fund is to ensure that all the revenues and expenses related to a specific project are kept together in one place, making it easier to manage and monitor.

A capital project fund helps a municipality plan, finance, and track big infrastructure investments over time, separate from everyday operating expenses.

Capital Project Fund:	Revenue			Expenditures		
Fund	Budget	Actual	% of Budget	Budget	Actual	% of Budget
REET 1	$ 720,000	$ 585,371	81.3%	$ 2,628,040	$ 147,858	5.6%
REET 2	680,000	568,500	83.6%	507,479	240,190	47.3%
Park Levy	145,000	228,934	157.9%	39,000	-	0.0%
Park in Lieu	27,500	-	0.0%	46,000	-	0.0%
One-Time Sales & B+O Tax Revenues	30,000	12,547	41.8%	550,000	25,000	4.5%
Municipal Capital Improvements	6,272,000	128,147	2.0%	17,107,000	5,368,765	31.4%
Transportation Capital Improvements	8,156,000	1,382,878	17.0%	9,364,000	1,696,542	18.1%
Traffic in Lieu	507,500	6,686	1.3%	-	-	0.0%
Traffic Impact - Citywide	335,000	886,064	264.5%	-	-	0.0%
Traffic Impact - Pac Ridge	115,000	7,246	6.3%	-	-	0.0%
Total Capital Project Fund*	**$ 16,988,000**	**$ 3,806,372**	**22%**	**$ 30,241,519**	**$ 7,478,355**	**25%**

*The Capital Projects Fund exists as a single fund per City Code. The Capital Projects Fund utilizes Managerial funds to facilitate administrative tracking and financial oversight.

ENTERPRISE FUNDS

An **enterprise fund** is used by a city or town to manage services that operate like a business—where the goal is to cover the cost of providing the service through the fees charged to users.

Common examples include water and sewer utilities, public transportation, or municipal airports. These services are typically self-supporting, meaning the money to run them comes mostly from customer payments, not taxes.

Enterprise funds help keep these business-like operations financially separate from the rest of the city's budget. This makes it easier to see whether a specific service is paying for itself and to manage its revenues, expenses, and long-term investments (like equipment or infrastructure upgrades).

Marina Fund Details

The purpose of the Marina Fund is to account for the revenues and expenditures related to Marina operations, construction, and debt.

Marina Fund Summary of Sources and Uses	2026 Adopted Budget	2026 YTD Budget	2026 YTD Actual	2026 YTD Budget vs Actual Amount	2026 YTD Budget vs Actual Percentage	2026 Remaining Budget
Operating Revenue						
Charges for Services	$ 5,133,717	$ 2,566,859	$ 1,965,849	$ (601,010)	-23%	$ 3,167,868
Fuel Sales	1,728,300	864,150	609,749	(254,401)	-29%	1,118,551
Miscellaneous Revenues	18,980	9,490	34,790	25,300	267%	(15,810)
Operating Revenue Subtotal	**$ 6,880,997**	**$ 3,440,499**	**$ 2,610,388**	**$ (830,110)**	**-24%**	**$ 4,270,609**
Operating Expense						
Salaries and Benefits	$ 1,503,387	$ 689,052	$ 630,716	$ (58,337)	-8%	$ 872,671
Supplies	154,225	77,113	54,679	(22,434)	-29%	99,546
Fuel Purchases	1,320,000	660,000	453,449	(206,551)	-31%	866,551
Services	781,697	390,848	191,170	(199,678)	-51%	590,527
Services - Interfund	851,099	425,550	398,033	(27,517)	-6%	453,066
Total Operating Expenses (excl. depreciation)	**$ 4,610,408**	**$ 2,242,563**	**$ 1,728,047**	**$ (514,516)**	**-23%**	**$ 2,882,361**
Operating Income/(Loss)	**$ 2,270,589**	**$ 1,197,935**	**$ 882,341**	**$ (315,594)**	**-26%**	**$ 1,388,248**
Non-Operating Revenue						
Interest Income	40,000	20,000	91,919	71,919	360%	(51,919)
Non-operating Revenue Subtotal	**$ 40,000**	**$ 20,000**	**$ 91,920**	**$ 71,920**	**360%**	**$ (51,920)**
Non-operating Expense						
Capital Outlay	$ 880,000	$ 440,000	$ 1,213,684	$ 773,684	176%	$ (333,684)
Debt Service	1,100,399	0	311,302	311,302	0%	789,097
Non-operating Expense Subtotal	**$ 1,980,399**	**$ 440,000**	**$ 1,524,986**	**$ 1,084,986**	**247%**	**$ 455,413**
Net Change in Unrestricted Net Position	**$ 330,190**	**$ 777,935**	**$ (550,725)**	**$ (1,328,660)**	**-171%**	**$ 880,915**

Surface Water Management (SWM) Fund Details

The purpose of the Surface Water Management(SWM) Fund is to account for revenues and expenses related to Surface Water Management operations and construction.

Surface Water Management Fund Summary of Sources and Uses	2026 Adopted Budget	2026 YTD Budget	2026 YTD Actual	2026 YTD Budget vs Actual Amount	2026 YTD Budget vs Actual Percentage	2026 Remaining Budget
Operating Revenue						
Charges for Services	$ 5,987,907	$ 3,190,133	$ 3,255,064	$ 64,931	2%	$ 2,732,843
Intergovernmental Revenue	1,408,000	704,000	174,544	(529,456)	-75%	1,233,456
Operating Revenue Subtotal	**$ 7,395,907**	**$ 3,894,133**	**$ 3,429,608**	**$ (464,525)**	**-12%**	**$ 3,966,299**
Operating Expense						
Salaries and Benefits	$ 2,145,600	$ 983,400	$ 840,576	$ (142,824)	-15%	$ 1,305,024
Supplies	128,050	64,025	22,697	(41,328)	-65%	105,353
Services	1,680,955	840,478	826,609	(13,868)	-2%	854,346
Services - Interfund	802,344	418,813	374,953	(43,860)	-10%	427,392
Total Operating Expenses (excl. depreciation)	**$ 4,756,950**	**$ 2,306,716**	**$ 2,064,835**	**$ (241,881)**	**-10%**	**$ 2,692,115**
Operating Income/(Loss)	**$ 2,638,957**	**$ 1,587,417**	**$ 1,364,773**	**$ (222,644)**	**-14%**	**$ 1,274,184**
Non-Operating Revenue						
Miscellaneous Revenue	-	-	11,509	11,509	0%	(11,509)
Interest Income	300,000	150,000	99,776	(50,224)	-33%	200,224
Non-operating Revenue Subtotal	**$ 300,000**	**$ 150,000**	**$ 111,284**	**$ (38,716)**	**-26%**	**$ 188,716**
Non-operating Expense						
Capital Outlay	$ 4,957,000	$ 2,478,500	$ 534,333	$ (1,944,167)	-78%	$ 4,422,667
Transfers Out to Fund 319 (Transportation Improvements)	88,000	-	-	-	-	88,000
Non-operating Expense Subtotal	**$ 5,045,000**	**$ 2,478,500**	**$ 534,333**	**$ (1,944,167)**	**-78%**	**$ 4,510,667**
Net Change in Unrestricted Net Position	**$ (2,106,043)**	**$ (741,083)**	**$ 941,725**	**$ 1,682,807**	**-227%**	**$ (3,047,768)**

INTERNAL SERVICE FUNDS

Internal Service Funds are funds that cities use to manage services provided internally from one department to another, rather than to the public. These funds operate like internal businesses within the government, charging city departments for the services they use—such as vehicle maintenance, information technology support, or insurance coverage.

By tracking these costs separately, Internal Service Funds help ensure accurate budgeting, promote cost accountability, and allow departments to see the true cost of the resources they consume.

The City has internal service funds for:

- Equipment maintenance (repairing city vehicles, etc.)
- Equipment replacement
- Repair and replacement of municipal facilities
- Information technology (managing computers and networks)
- Insurance

Internal Service Funds:	Revenue			Expenditures		
Fund	Budget	Actual	% Actual to Budget	Budget	Actual	% Actual to Budget
Equipment Rental Operations	$ 1,085,106	$ 537,670	49.6%	$ 863,329	$ 323,763	37.5%
Equipment Rental Replacement	1,311,565	676,115	51.6%	1,887,600	1,043,530	55.3%
Facility Major Repairs	459,150	75,369	16.4%	144,858	26,607	18.4%
Computer Replacement	280,000	139,096	49.7%	455,000	115,654	25.4%
Self Insurance	1,166,720	583,610	50.0%	1,313,220	1,078,003	82.1%
Unemployment Insurance	$ 55,000	$ 26,906	48.9%	$ 50,000	$ 5,809	11.6%

Investment Report

City of Des Moines

Cash Deposits and Investment Portfolio

Security Type	Fair Value as of 1/1/2026	2026 Activity	Fair Value as of 6/30/2026	% of Portfolio
Federal Farm Credit Bank	$ 2,525,215	$ (19,570)	$ 2,505,645	4.2%
Federal Home Loan Bank	3,979,600	(19,760)	3,959,840	6.7%
Federal Agricultural Mortgage Corp	6,282,745	(2,782,880)	3,499,865	5.9%
US Treasury Notes/Bonds	6,767,312	2,660,569	9,427,881	15.9%
United States Treasury STRIP	3,716,380	26,733	3,743,113	6.3%
Key Bank	2,872,209	3,743,721	6,615,930	11.2%
LGIP	35,796,443	(6,433,351)	29,363,092	49.7%
Total	**$ 61,939,904**	**$ (2,824,538)**	**$ 59,115,366**	**100.0%**

Bond Investments	$ 23,271,252	37.6%	$ 23,136,343	39.1%
Local Government Investment Pool	35,796,443	57.8%	29,363,092	49.7%
Key Bank Account	2,872,209	4.6%	6,615,930	11.2%
Total	**$ 61,939,904**	100%	**$ 59,115,366**	100.0%
Local Government Investment Pool Composition				
Operating Funds	11,637,048	33%	19,427,963	66%
Debt Proceeds	24,159,395	67%	9,935,129	34%
Total LGIP Funds	**$ 35,796,443**	100%	**$ 29,363,092**	100%

Cash Management:
The City maintains a cash balance with KeyBank to support daily operations, including a dedicated account for Municipal Court functions. All other available funds are invested in either the Local Government Investment Pool (LGIP) or in government debt.

Investment Interest Earnings

Type	6/30/2025	6/30/2026	Change
LGIP	$881,483.48	$566,649.26	↓ $314,834.22
Bond Investment	$352,575.00	$553,193.11	↑ $200,618.11
Notes	LGIP portion is elevated due to bond proceeds being held in LGIP		

Interest Allocation: Investment interest is allocated across all City funds based on their portion of the overall cash balance at the end of the month.

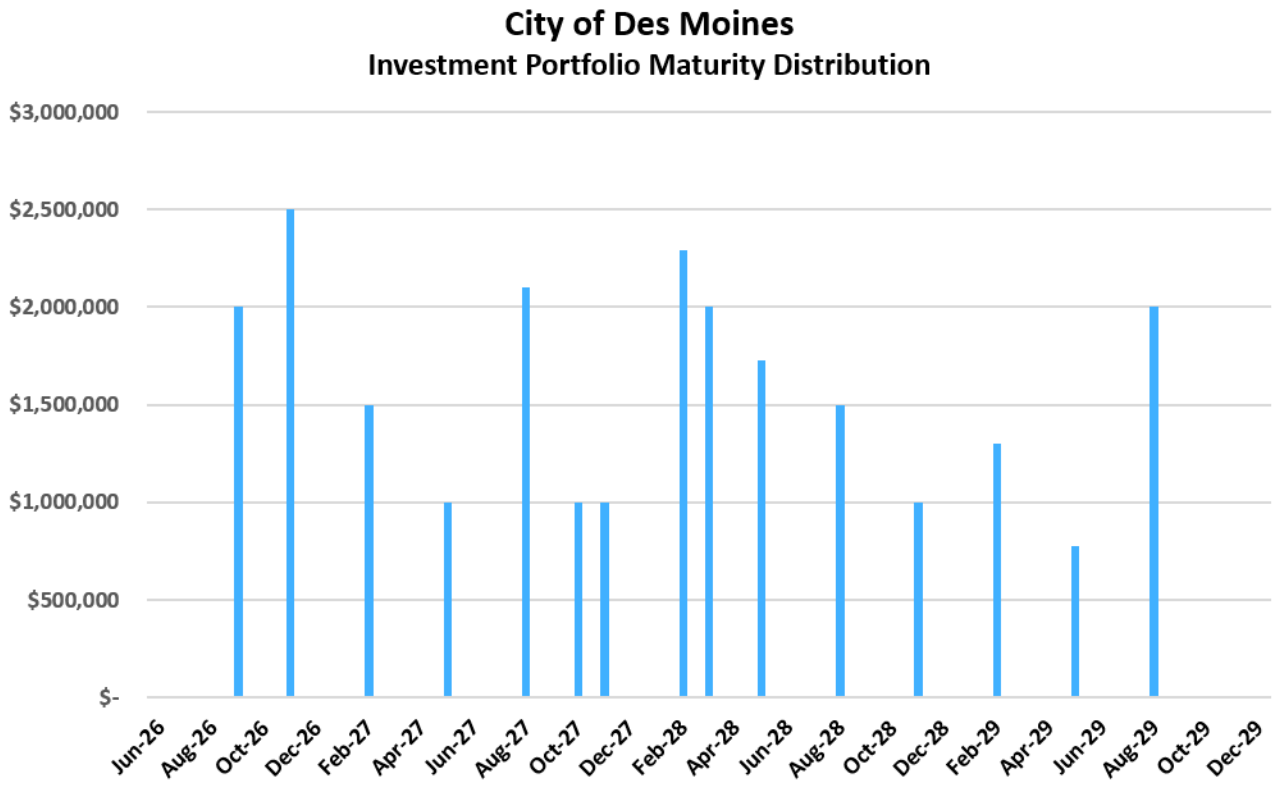
Investment Performance Comparisons:

Performance Comparison	6/30/2025	6/30/2026	Change
LGIP Net Earnings Rate	4.3828%	3.6924%	↓ 0.6904%
Average Bond Yield	3.1903%	2.8670%	↓ 0.3233%
LGIP/Bond Comparison	1.1925%	0.8254%	↓ 0.3671%
Average Days to Maturity	634	589	↓ 45

Investment Transaction Listing

During the second quarter of 2026, the following investments activity occurred:

Status	Security Type	Amount	Maturity Date	Yield
Purchased	United States Treasury Note/Bond	$2,000,000	8/31/2029	4.100%
Matured	Federal Farm Credit Bank (FFCB)	$2,000,000	6/23/2026	4.840%



Investment Asset Listing

CUSIP	Issuer	Investment Type	Moody's Rating	S&P Rating	Days to Maturity	Maturity Date	Interest Rate	Interest Yield	Par Value	Fair Market Value	Cost
3130B2PJ8	Federal Home Loan Bank	BONDS	Aa1	AA+	66.00	9/4/2026	3.6250%	3.5300%	2,000,000	1,998,740	2,006,922
313382GT4	Federal Home Loan Bank	BONDS	Aa1	AA+	619.00	3/10/2028	3.0000%	3.6500%	2,000,000	1,961,100	1,986,448
3133EP2T1	Federal Farm Credit Bank	BONDS	Aa1	AA+	227.00	2/12/2027	4.1250%	4.3800%	1,500,000	1,500,315	1,492,047
3133ERDS7	Federal Farm Credit Bank	BONDS	Aa1	AA+	310.00	5/6/2027	4.7500%	4.5500%	1,000,000	1,005,330	1,006,806
31424WBU5	Federal Agricultural Mortgage Corp	NOTES	-	-	136.00	11/13/2026	4.8000%	4.8000%	2,500,000	2,506,375	2,500,668
31424WPZ9	Federal Agricultural Mortgage Corp	NOTES	-	-	464.00	10/7/2027	3.5800%	3.9500%	1,000,000	993,490	991,888
9128282R0	US Treasury Notes/Bonds	NOTES	Aa1	-	411.00	8/15/2027	2.2500%	4.4000%	2,100,000	2,056,761	1,987,298
9128283F5	US Treasury Notes/Bonds	NOTES	Aa1	-	503.00	11/15/2027	2.2500%	3.4403%	1,000,000	974,840	973,438
9128284V9	US Treasury Notes/Bonds	NOTES	Aa1	-	777.00	8/15/2028	2.8750%	3.7800%	1,500,000	1,461,390	1,469,054
912833RY8	United States Treasury STRIP	STRIPS	-	-	595.00	2/15/2028	0.0000%	4.2509%	2,290,000	2,141,929	1,997,171
912833WQ9	United States Treasury STRIP	STRIPS	-	-	685.00	5/15/2028	0.0000%	4.3000%	1,730,000	1,601,184	1,499,969
9128285M8	US Treasury Notes/Bonds	NOTES	Aa1	-	869.00	11/15/2028	3.1250%	3.7800%	1,000,000	976,910	986,324
9128286B1	US Treasury Notes/Bonds	NOTES	Aa1	-	961.00	2/15/2029	2.6250%	3.3500%	1,300,000	1,251,003	1,277,163
9128286T2	US Treasury Notes/Bonds	NOTES	Aa1	-	1,050.00	5/15/2029	2.3750%	3.5400%	775,000	738,157	751,338
91282CLK5	US Treasury Notes/Bonds	NOTES	Aa1	-	1,158.00	8/31/2029	3.6250%	4.1000%	2,000,000	1,968,820	1,995,127
Grand Total									$ 23,695,000	$23,136,343	$22,921,661

ATTACHMENT 1 – Sales Tax by Category

SALES TAX SUMMARY
June 2026 (April 2026 *Sales*)

NAICS	CONSTRUCTION	25 TOTAL	25 YTD	26 YTD	YTD % Diff
236	Construction of Buildings	539,431	215,593	507,860	135.6%
237	Heavy & Civil Construction	159,970	75,021	83,830	11.7%
238	Specialty Trade Contractors	375,073	163,191	147,256	-9.8%
	TOTAL CONSTRUCTION	**$ 1,074,474**	**$ 453,804**	**$ 738,947**	**62.8%**
	Overall Construction Change from Previous Year			**$ 285,142**	

NAICS	MANUFACTURING	25 TOTAL	25 YTD	26 YTD	YTD % Diff
311	Food Manufacturing	$ 1,283	$ 403	$ 1,677	316.5%
312	Beverage & Tobacco Products	2,596	1,318	1,267	-3.8%
313	Textile Mills	221	130	115	-11.1%
314	Textile Product Mills	372	91	77	-15.1%
315	Apparel Manufacturing	410	199	294	47.8%
316	Leather & Allied Products	547	242	241	-0.5%
321	Wood Product Manufacturing	972	467	744	59.1%
322	Paper Manufacturing	1,495	357	1,516	324.5%
323	Printing & Related Support	7,315	4,814	3,551	-26.2%
324	Petroleum & Coal Products	34	10	9	-9.8%
325	Chemical Manufacturing	1,521	662	908	49.2%
326	Plastic & Rubber Products	87	38	213	458.5%
327	Nonmetallic Mineral Products	4,191	1,524	2,380	56.2%
331	Primary Metal Manufacturing	71	12	4	-70.1%
332	Fabricated Metal Mfg Products	1,695	955	2,342	145.3%
333	Machinery Manufacturing	2,539	518	629	21.4%
334	Computer & Electronic Products	10,068	9,256	747	-91.9%
335	Electric Equipment, Appliances	1,364	645	689	6.8%
336	Transportation Equipment Mfg	18,610	10,746	15,725	46.3%
337	Furniture & Related Products	2,945	955	920	-3.7%
339	Miscellaneous Manufacturing	5,099	2,867	1,955	-31.8%
	TOTAL MANUFACTURING	**$ 63,434**	**$ 36,207**	**$ 36,083**	**-0.3%**
	Overall Manufacturing Change from Previous Year			**($124)**	

NAICS	TRANSPORTATION & WAREHOUSING	25 TOTAL	25 YTD	26 YTD	YTD % Diff
481	Air Transportation	$ -	$ -	$ -	-
482	Rail Transportation	40	10	12	11.4%
483	Water Transportation	0	-	-	-100.0%
484	Truck Transportation	5,408	2,510	2,406	-4.2%
485	Transit and Ground Passengers	2	-	4	-
487	Scenic and Sightseeing Trans	-	-	-	-
488	Transportation Support	1,325	1,022	2,921	185.7%
491	Postal Services	95	47	43	-8.1%
492	Couriers & Messengers	40,373	19,762	22,226	12.5%
493	Warehousing & Storage	255	110	96	-11.9%
	TOTAL TRANSP & WRHSNG	**$ 47,499**	**$ 23,461**	**$ 27,708**	**18.1%**
	Overall Transportation Change from Previous Year			**$4,247**	

NAICS	WHOLESALE TRADE	25 TOTAL	25 YTD	26 YTD	YTD % Diff
423	Whls Trade-Durable Goods	$ 160,485	$ 88,984	$ 77,217	-13.2%
424	Whls Trade-Nondurable Goods	63,818	28,903	25,097	-13.2%
425	Wholesale Electronic Markets	1,199	561	1,160	106.6%
	WHOLESALE TRADE TOTAL	**$ 225,502**	**$ 118,449**	**$ 103,474**	**-12.6%**
	Overall Wholesale Change from Previous Year			**($14,976)**	

NAICS	AUTOMOTIVE	25 TOTAL	25 YTD	26 YTD	YTD % Diff
441	Motor Vehicle & Parts Dealer	$ 117,729	$ 62,424	$ 56,595	-9.3%
447	Gasoline Stations	-	-	-	-
	TOTAL AUTOMOTIVE	**$ 117,729**	**$ 62,424**	**$ 56,595**	**-9.3%**
	Overall Automotive Change from Previous Year			**($5,829)**	

NAICS	RETAIL TRADE	25 TOTAL	25 YTD	26 YTD	YTD % Diff
442	Furniture & Home Furnishings	$ -	$ -	$ -	-
443	Electronics & Appliances	-	-	-	-
444	Building Material & Garden	54,312	26,383	23,861	-9.6%
445	Food & Beverage Stores	186,991	89,707	89,677	0.0%
446	Health & Personal Care	-	-	-	-
448	Clothing & Accessories	-	-	-	-
449	Furniture, Home Furnishings, Electronics, and Appliances	148,810	77,538	72,508	-6.5%
451	Sporting Goods, Hobby, Books	-	-	-	-
452	General Merchandise Stores	-	-	-	-
453	Miscellaneous Store Retailers	-	-	-	-
454	Nonstore Retailers	-	-	-	-
455	General Merchandise Retailers	69,371	34,545	44,210	28.0%
456	Health and Personal Care Retailers	50,376	26,789	24,695	-7.8%
457	Gasoline Stations and Fuel Dealers	62,194	32,047	29,420	-8.2%
458	Clothing, Clothing Accessories, Shoe and Jewelry Retailers	53,380	27,334	30,713	12.4%
459	Sporting Goods, Hobby, Musical Instrument, Book and Misc	707,003	359,268	366,824	2.1%
	TOTAL RETAIL TRADE	**$ 1,332,437**	**$ 673,609**	**$ 681,908**	**1.2%**
	Overall General Retail Change from Previous Year			**$8,299**	

NAICS	SERVICES	25 TOTAL	25 YTD	26 YTD	YTD % Diff
51*	Information	$ 223,525	$ 109,803	$ 129,996	18.4%
52*	Finance & Insurance	21,662	10,927	11,897	8.9%
53*	Real Estate, Rental, Leasing	67,413	28,417	31,398	12.6%
541	Professional, Scientific, Tech	123,847	57,956	65,997	13.9%
551	Company Management	798	365	277	-24.2%
56*	Admin, Supp, Remed Svcs	264,593	129,023	144,668	12.1%
611	Educational Services	15,259	8,092	9,575	18.3%
62*	Health Care Social Assistance	9,202	4,417	5,174	17.2%
71*	Arts & Entertainment	39,906	17,306	23,774	37.8%
72*	Accommodation & Food Svcs	448,140	202,504	199,927	-1.3%
81*	Other Services	177,926	85,339	80,658	-5.5%
92*	Public Administration	1,219	887	208	-76.5%
	TOTAL SERVICES	**$ 1,393,479**	**$ 655,235**	**$ 704,150**	**7.5%**
	Overall Services Change from Previous Year			**$48,914**	

NAICS	MISCELLANEOUS	25 TOTAL	25 YTD	26 YTD	YTD % Diff
000	Unknown	$ -	$ -	$ -	-
111-115	Agriculture, Forestry, Fishing	688	184	362	96.4%
211-221	Mining & Utilities	2,528	965	297	-69.2%
999	Unclassifiable Establishments	127,973	44,266	61,860	39.7%
	MISCELLANEOUS TOTAL	**$ 131,189**	**$ 45,415**	**$ 62,518**	**37.7%**
	Overall Miscellaneous Change from Previous Year			**$17,103**	

	GRAND TOTALS	25 TOTAL	25 YTD	26 YTD	YTD % Diff
		$ 4,385,743	$ 2,068,805	$ 2,411,382	
	Grand Total Change from Previous Year to Date			**$342,777**	**16.57%**

Des Moines
WATERLAND CITY

2nd Quarter Financial Report

August 27, 2026

DRAFT

Financial Position through June 30

WHAT WE SEE

- General Fund revenues exceeded budget by 1.4%.
- Expenditures were 2% over budget.
- Operating income totaled $690,596*

WHY IT MATTERS

- General Fund performance is slightly below budget expectations
- The General Fund is on track to break even

WHAT WE ARE DOING

- Monitoring revenue and expenditure trends.
- Incorporating current trends into the 2027/2028 budget

DRAFT

Property Tax Update

WHAT WE REPORTED IN Q1

- King County confirmed that improvements on two Business Park parcels will be added to the tax rolls beginning in 2026.
- Additional taxable property may still be identified.

Q2 UPDATE

- King County has completed further review.
- The County has determined the City has received the property tax it was entitled to receive.
- King County is continuing to assess new construction projects

WHAT WE ARE DOING

- Working with King County.
- Reviewing additional parcels and working with King County to ensure new construction is fully identified.

DRAFT

One-Time Revenues Remain Strong

WHAT WE SEE

- One-Time Sales Tax totaled $387,514, exceeding the **annual** budget by $287,514.
- One-Time B&O Tax totaled $88,535, exceeding the **annual** budget by $13,535.

WHY IT MATTERS

- Major construction activity is generating significant one-time revenues.
- These revenues improve current-year results but are not a sustainable source of ongoing funding.

WHAT WE ARE DOING

- Continuing to separately track recurring and nonrecurring revenues.

DRAFT

New Public Safety Sales Tax Revenue

WHAT WE SEE

- The City began collecting the Public Safety Sales Tax in 2026.
- Collections totaled $181,937 through June
- Current collections remain consistent with achieving the annual budget.

WHY IT MATTERS

- Provides a dedicated revenue source for eligible public safety expenditures.
- Helps offset increasing public safety costs.

WHAT WE ARE DOING

- With revenues now being received, eligible public safety expenditures will begin to be charged to the fund during the remainder of the year.

DRAFT

Public Defender Cost Pressures

WHAT WE SEE

- Public defender costs totaled $187,608 through the second quarter.
- Costs are trending above historical levels.

WHY IT MATTERS

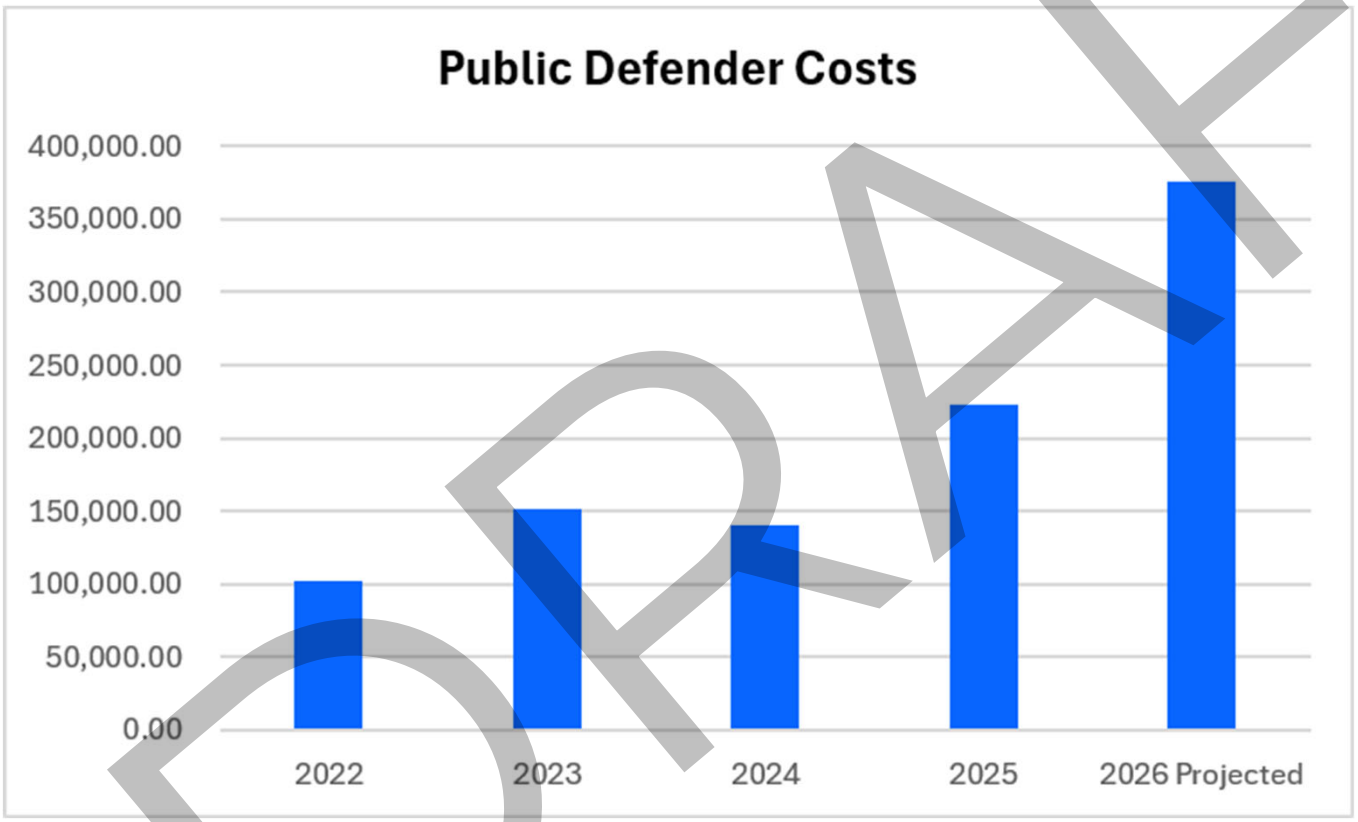
- New statewide public defense requirements continue to increase costs.
- No dedicated funding source exists for a portion of these costs.
- Projected actuals exceed budgeted expectations.

WHAT WE ARE DOING

- Monitoring expenditures.
- Evaluating budget impacts and future funding needs.
- Utilizing Public Safety Sales Tax revenues where eligible beginning in Q3.

DRAFT

Public Defender Cost Pressures



DRAFT

General Fund Revenue Trends

WHAT WE SEE

- **Regular sales tax** is $25,115 below the prior year.
- **Red-light camera revenue** is significantly below budget.

WHY IT MATTERS

- Regular sales tax is one of the City's largest recurring revenue sources.
- Collections provide an important indicator of underlying economic activity and future revenue trends.
- Continued flatness or decline could impact future General Fund performance.

WHAT WE ARE DOING

- Monitoring expenditures.
- Evaluating budget impacts and future funding needs.
- Using Public Safety Sales Tax revenues where eligible.

DRAFT

Other Revenue Trends

WHAT WE SEE

- **Redondo speed camera revenue** is significantly below budget.
- Regular **Real Estate Excise Tax** is gradually declining

WHY IT MATTERS

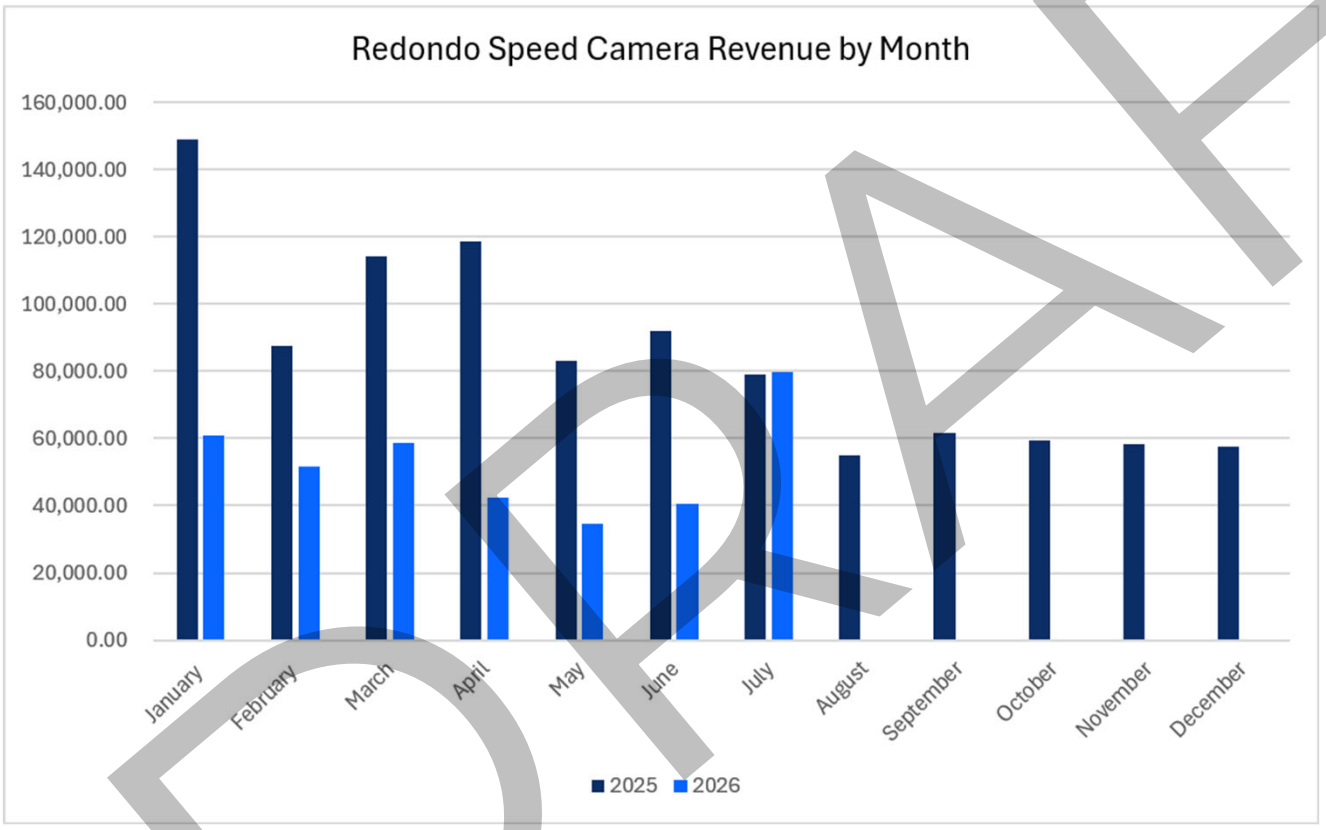
- Real Estate Excise Tax (REET) is a key funding source for capital projects
- Redondo camera revenue funds traffic safety costs
- Continued flatness or decline of REET could require the City to seek more external funding for capital projects

WHAT WE ARE DOING

- Evaluating budget impacts and future funding needs.

DRAFT

Redondo Speed Camera Revenue



DRAFT

Looking Ahead

OPPORTUNITIES

- Strong development activity
- New Public Safety Sales Tax

RISKS

- Public defender costs
- Red-light camera revenue decline
- Soft regular sales tax collections
- Redondo speed camera revenue at lower-than-expected levels
- One-Time Revenue should not fund recurring expenditures

FOCUS AREAS

- Maintain expenditure discipline
- Monitor recurring revenue trends
- Preserve General Fund stability.

DRAFT

QUESTIONS?

DRAFT

APPENDIX

DRAFT

General Fund Revenue

Revenue	2026 YTD Budget	2026 YTD Actuals	$ Over/(Under) YTD Budget	% Over/(Under) YTD Budget	
Taxes	$10,508,110	$ 10,366,164	$ (141,947)	-1%	
Licenses and Permits	261,285	266,608	5,323	2%	
Intergovernmental	442,691	487,400	44,709	10%	
Fees/Charges/Fines	967,870	819,607	(148,263)	-15%	
Other	794,395	888,955	94,560	12%	
Non-Recurring (One-Time)	147,180	476,050	328,870	223%	
Total Revenue	**$13,121,530**	**$ 13,304,784**	**$ 183,254**	**1%**	

DRAFT

General Fund Expenditures

Summary of Uses	2026 YTD Budget	2026 YTD Actuals	$ Over/(Under) YTD Budget	% Over/(Under) YTD Budget	
Personnel	7,998,002	$ 8,055,627	$ 57,625	1%	
Supplies	300,600	360,229	59,629	20%	
Services	2,982,045	3,047,492	65,447	2%	
Internal Services	1,146,430	1,146,429	(1)	0%	
Transfers Out	-	4,410	4,410	0%	
Total Uses	**$12,427,077**	**$ 12,614,187**	**$ 187,110**	**2%**	

DRAFT

Marina Operating Revenue

Revenue	2026 YTD Budget	2026 YTD Actuals	$ Over/(Under) YTD Budget	% Over/(Under) YTD Budget	
Charges for Services	$ 2,566,859	$ 1,965,849	$ (601,010)	-23%	
Fuel Sales	864,150	609,749	(254,401)	-29%	
Miscellaneous	9,490	34,790	25,300	267%	
Total Revenue	**$ 3,440,499**	**$ 2,610,388**	**$ (830,111)**	**-24%**	

- Monthly moorage was lower than usual due to construction during the dock replacement project
- Fuel sales are typically seasonal and low due to high gas prices

DRAFT

Marina Operating Expenditures

Expenditures	2026 YTD Budget	2026 YTD Actuals	$ Over/(Under) YTD Budget	% Over/(Under) YTD Budget	
Salaries and Benefits	$ 689,052	$ 630,716	$ (58,336)	-8%	
Supplies	77,113	54,679	(22,434)	-29%	
Fuel Purchases	660,000	453,449	(206,551)	-31%	
Services	390,848	191,170	(199,678)	-51%	
Services - Interfund	425,550	398,033	(27,517)	-6%	
Total Uses	**$ 2,242,563**	**$ 1,728,047**	**$ (514,516)**	**-23%**	

DRAFT

SWM Operations

	2026 YTD Budget	2026 YTD Actuals	$ Over/(Under) YTD Budget	% Over/(Under) YTD Budget	
Operating Revenue	$ 3,894,133	$ 3,429,608	$ (464,525)	-12%	
Operating Expenditures	(2,306,716)	(2,064,835)	241,881	-10%	
Total Operating Income/(Loss)	**$ 1,587,417**	**$ 1,364,773**	**$ (222,644)**	**-14%**	

- Operating revenue was under budget due to timing of grant revenue. Charges for services was $64,931 (2.0%) over budget

DRAFT

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Community Enrichment Services - Fall/Winter Programming Preview**

ATTACHMENTS:
1. CES Fall and Winter Programming 2026

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Administration

DATE SUBMITTED:
August 17, 2026

CLEARANCES:

Purpose and Recommendation
To provide the City Council with a preview of upcoming Community Enrichment Services winter programming and activities, including potential new offerings and opportunities.

Strategic Plan Priority
Engaged and Thriving Community

Background
Community Enrichment Services offers recreation programs, activities and community events throughout the year.

Discussion
Staff will highlight upcoming winter programs and activities, including opportunities for residents of various ages and interests.

Recommendation
Information only. No Council action is requested.

CES FALL/WINTER PROGRAMMING PREVIEW

DRAFT

Des Moines
WATERLAND CITY

Presented by:
Kyle Ehlers, CES Program Supervisor II
August 20,2026

Fall/Winter Programming

Building on established programming while exploring new opportunities.

Events

- Halloween Spooktacular Family Night
- Halloween and Holiday Karaoke Parties
- Halloween Costume Swap
- Breakfast with Santa
- Holiday Tree Lightning: Waterland Winterfest

Recreation & Enrichment

- KHAOS Break Camps
- Tot Time
- Open Gym Basketball: Youth, Adult and 40+
- Dance, Art, STEM and other instructional programs

New this season

- Seattle Taekwondo
- RC Plan Air

DRAFT

Des Moines
WATERLAND CITY

Sports, Classes & Activities

Sports

- Fall Soccer
- Youth Basketball League
- Pickleball instruction with *Pickleball Rick*
- Skyhawks Sports Camps: Tennis & Multi-Sport

Classes & Activities

- Melanie's Dance Unlimited
- Art with Amy: Preschool, School Age, Day and Evening Classes
- Play Well Teknoligies STEM: Pokémon Engineering using LEGOs
- Basket Weaving 18+
- Dog Obedience with Sunstar
- Country Line Dancing 16+

DRAFT

Senior Programming

Connection & Enrichment

- Hot Lunch Program Monday -Thursday
- Monthly Dessert Socials
- Card and Craft Days
- Day Trips and Out to Lunch

Education & Support

- AARP Smart Driving
- Medicare Workshops
- Footcare, Caregiver and Grief Support, SHIBA, & Elder Law
- **NEW:** Gift Making Workshop: Wood Slice Holiday Ornaments
- Card and craft days
- Health & Social service programs – Foot Care, Caregiver & Grief Support SHIBA, Elder Law

Fitness & Movement

- Tai Chi
- Enhance Fitness

DRAFT

Des Moines

WATERLAND CITY

DRAFT

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Approval of Vouchers**

ATTACHMENTS:
1. Vouchers

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Finance

DATE SUBMITTED:
August 17, 2026

CLEARANCES:

Purpose and Recommendation
Voucher transfers and expense reimbursement claims have been audited and certified by the auditing office in compliance with RCW 42.24.080 and RCW 42.24.090.

Motion: "I move to approve the payment vouchers through August 12th, 2026 and payroll transfers through August 6th, 2026 in the attached list and further described as follows:"

EFT Vendor Payments	# 14011 - # 14094	$ 725,033.46
Wires	# 3389 - # 3410	$ 1,020,303.20
Accounts Payable Checks	# 167669 - # 167703	$ 133,800.84
Voided Checks	# 165975, 166298, 166371	($350.00)
Payroll Checks 8/5/2026	# 20117 - # 20130	$ 19,225.29
Payroll Advice 8/5/2026	# 18412 - # 18601	$ 543,067.25
Payroll Advice-Off Cycle 8/6/2026	# 20011	-$ 72.49
Payroll Advice-Off Cycle 8/6/2026	#20131	$ 72.49

Total Checks and Wires for A/P & Payroll:	$ 2,441,125.04

Background
City Council review and approval of voucher reports is a key internal control that promotes transparency, accountability, and public trust in the City's financial operations. By examining vouchers after expenditures have occurred, the Council provides independent oversight to confirm that payments were properly authorized, supported by appropriate documentation, and made in accordance with the adopted budget, City policies, and applicable laws. This review helps ensure public funds are used for their intended purposes, strengthens fiscal discipline, and reinforces the separation of duties between staff who process payments and the elected officials responsible for safeguarding taxpayer resources.

Discussion
The vouchers below have been reviewed and certified by individual departments and the City of Des Moines Auditing Officer.

Financial Impact
As described above.

Recommendation
Approval of vouchers.

Des Moines
WATERLAND CITY

Voucher Certification Approval
August 27, 2026
Auditing Officer Certification

Voucher transfers and expense reimbursement claims have been audited and certified by the auditing office in compliance with RCW 42.24.080 and RCW 42.24.090. A listing of these claims has been provided to the City Council.

On August 27, 2026 the Des Moines City Council unanimously approved for payment the vouchers through August 12, 2026 and payroll transfers through August 6, 2026 as detailed in the attached list.

The vouchers below have been reviewed and certified by individual departments and the City of Des Moines Auditing Officer:

Jeff Friend, Finance Director

			# From		# To	Amounts
Claims Vouchers:						
EFT's			14011		14094	725,033.46
Wires			3389		3410	1,020,303.20
Checks			167669		167703	133,800.84
Voided AP Checks			165975, 166298,166371			(305.00)
Total Vouchers paid						**1,878,832.50**
Payroll Vouchers						
Payroll Checks	8/5/2026		20117		20130	19,225.29
Payroll Advice			18412		18601	543,067.25
Payroll Advice	8/6/2026 Off		20011		20011	(72.49)
Payroll Advice	Cycle		20131		20131	72.49
Total Paychecks & Direct Deposits						**562,292.54**

Total checks and wires for A/P & Payroll	**2,441,125.04**

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Approval of Minutes**

ATTACHMENTS:
1. July 09, 2026 City Council Meeting Minutes
2. July 30, 2026 City Council Leadership Workshop Minutes
3. August 06, 2026 Committee of the Whole and Study Session Meeting Minutes

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
City Clerk

DATE SUBMITTED:
August 17, 2026

CLEARANCES:

Purpose and Recommendation
The purpose of this agenda item is for the City Council to review the minutes from the July 09, 2026 City Council Regular Meeting, July 30, 2026 City Council Leadership Workshop, and the August 06, 2026 Committee of the Whole and Study Session meetings.

Motion: "I move to approve the minutes from the July 09, 2026 City Council Regular Meeting, July 30, 2026 City Council Leadership Workshop, and the August 06, 2026 Committee of the Whole and Study Session meetings."

Background
The City Clerk's Office has prepared action-format meeting minutes for the City Council's consideration.

Alternatives
The City Council may make corrections to errors and approve the meeting minutes as amended.

Recommendation
Staff recommends the City Council approve the meeting minutes as presented.

MINUTES
DES MOINES CITY COUNCIL
REGULAR MEETING

City Council Chambers
21630 11th Avenue S, Suite C
Des Moines, Washington
Thursday, July 9, 2026 - 6:00 PM

CALL TO ORDER

Mayor Yoshiko Grace Matsui called the meeting to order at 6:00 PM.

PLEDGE OF ALLEGIANCE

The flag salute was led by Councilmember Robyn Desimone.

ROLL CALL

Council Present:
Mayor Yoshiko Grace Matsui, Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Councilmember Robyn Desimone, Councilmember JC Harris, Councilmember Jeremy Nutting, and Councilmember Harry Steinmetz.

Staff Present:
City Manager Katherine Caffrey; Assistant City Manager Adrienne Johnson-Newton; City Attorney Tim George; Assistant Police Chief Cory Stanton; Director of Administrative Services Bonnie Wilkins; Harbormaster Scott Wilkins; Finance Director Jeff Friend; Assistant City Attorney Matthew Hutchins; City Prosecutor Tara Vaughn; Community Development Director Rebecca Deming; City Engineer Tommy Owen; Public Works Superintendent Adam O'Donnell; Assistant Maintenance Superintendent Tyrone Nesbit; Community Enrichment Services Program Supervisor Kyle Ehlers; Recreation Coordinator Kelsey Cole; Recreation Coordinator Savannah Mattson; IT Manager Chris Pauk; and City Clerk Taria Keane.

PROCLAMATIONS

Item 1. **Parks and Recreation Month Proclamation**

Direction/Action
Motion made by Councilmember Jeremy Nutting to approve the proclamation recognizing July as Parks and Recreation Month, seconded by Councilmember Harry Steinmetz.
Motion Passed 7-0.

Item 2. **Des Moines Waterland Festival, Parade, and Block Party Day Proclamation**

Direction/Action
Motion made by Councilmember Jeremy Nutting to approve the proclamation recognizing July 18, 2026 as Des Moines Waterland Festival, Parade, and Block Party Day, seconded by Councilmember Robyn Desimone.
Motion Passed 7-0.

CORRESPONDENCE NOT PREVIOUSLY RECEIVED BY COUNCIL

- There was no additional correspondence beyond the emails already received by Council.

COMMENTS FROM THE PUBLIC

- Judy Grande, Oppose Flock

REGIONAL COMMITTEE REPORT

- Mayor Yoshiko Grace Matsui gave Council an update on the Sound Cities Association Public Issues Committee meeting held on July 08, 2026.

CITY MANAGER REPORT/PRESENTATIONS/BRIEFINGS

Item 1. **Update from South King Fire Chief Ryan Woodey**
Presentation by: South King Fire Chief Ryan Woodey

- South King Fire Chief Ryan Woodey gave Council a PowerPoint Presentation update on the South King Fire Department.

Item 2. **2027/2028 Budget Calendar Overview**
Staff Presentation: Jeff Friend, Finance Director

- Finance Director Jeff Friend gave Council a PowerPoint Presentation on the 2027/2028 Budget Calendar.

CONSENT AGENDA

Item 1. **Approval of Vouchers**
Motion: "I move to approve the payment vouchers through June 24th, 2026 and payroll transfers through June 18th, 2026 in the attached list and further described as follows:"

EFT Vendor Payments	# 13791 - # 13845	$ 767,664.50
Wires	# 3361 - # 3369	$ 2,468,771.64
Accounts Payable Checks	# 167549 - # 167586	$ 181,390.58
Voided Checks	# 167269	($ 1,218.00)
Payroll Checks	# 20074 - # 20075	$ 5,374.90
Payroll Advice	# 17910 - # 18063	$ 521,867.56

Total Checks and Wires for A/P & Payroll:	$ 3,943,851.18

Item 2. **Approval of Minutes**
Motion: "I move to approve the minutes from the June 04, 2026 Committee of the Whole and Study Session meetings, as well as the June 11, 2026 and June 25, 2026 City Council Regular Meetings."

Item 3. **Speed Camera Ordinance - Second Reading**
Motion: "I move to pass Draft Ordinance No. 26-049, authorizing additional automated traffic safety camera locations in the City of Des Moines."

Item 4. **Citizens Advisory Board Appointment**
Motion: "I move to confirm Dan Wahlstrom to the Citizens Advisory Board as the Woodmont representative, effective immediately with an expiration date of June 30, 2029."

Item 5. **2026 Lodging Tax Advisory Committee Spending Recommendations**
Motion: "I move to approve the recommendations as submitted by the Lodging Tax Advisory Committee for the expenditure of Lodging Tax funds."

Item 6. **NFC Northwest Telecommunications Franchise Agreement - Second Reading**
Motion: "I move to pass Draft Ordinance No. 26-055 granting a telecommunications Franchise to NFC Northwest, LLC."

Item 7. **24th Ave Suspension PSE Settlement Agreements**
Motion: "I move to ratify and approve the settlement agreements with PSE for the 24th Ave Improvements Project suspensions."

Direction/Action
Motion made by Councilmember Jeremy Nutting to approve the Consent Agenda as read, seconded by Councilmember Pierre Blosse.

Councilmember JC Harris pulled Consent Agenda Item #3

Councilmember Harry Steinmetz pulled Consent Agenda Item #5

The Main Motion Passed 7-0.

Council discussed Consent Agenda Item #3.

Motion made by Councilmember Jeremy Nutting to approve Consent Agenda Item #3 as read; seconded by Councilmember Harry Steinmetz.
Motion Passed 7-0.

Council discussed Consent Agenda Item #5.

Councilmember Harry Steinmetz recused himself from the vote.

Motion made by Councilmember Jeremy Nutting to approve Consent Agenda Item #5 as read; seconded by Councilmember Pierre Blosse.
Motion Passed 6-0.

NEW BUSINESS

Item 1. **Establishment of Ad Hoc City Council Budget Engagement Committee**
Staff Presentation: Katherine Caffrey, City Manager

- Council discussed the Establishment of an Ad Hoc City Council Budget Engagement Committee.

Direction/Action
Motion made by Councilmember Jeremy Nutting that the City Council establish an Ad Hoc Budget Engagement Committee for the purpose of advising on the City's public engagement approach during the biennial budget process, seconded by Councilmember Harry Steinmetz.
Motion Passed 6-1.

For: Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Councilmember Robyn Desimone, Mayor Yoshiko Grace Matsui,

Councilmember Jeremy Nutting, Councilmember Harry Steinmetz

Against: Councilmember JC Harris

Motion made by Councilmember Jeremy Nutting that Mayor Yoshiko Grace Matsui, Councilmember Robyn Desimone and Councilmember Pierre Blosse be appointed to serve on this committee. The committee shall dissolve upon adoption of the 2027/2028 Budget, seconded by Councilmember Harry Steinmetz.
Motion Passed 6-1.

For: Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Councilmember Robyn Desimone, Mayor Yoshiko Grace Matsui, Councilmember Jeremy Nutting, Councilmember Harry Steinmetz

Against: Councilmember JC Harris

EXECUTIVE SESSION

The Special Meeting was called to order by Mayor Yoshiko Grace Matsui at 7:22 p.m.

ROLL CALL
Council Present:
Mayor Yoshiko Grace Matsui, Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Councilmember Robyn Desimone, Councilmember JC Harris, Councilmember Jeremy Nutting, and Councilmember Harry Steinmetz.

Staff Present:
City Manager Katherine Caffrey; City Attorney Tim George; Community Development Director Rebecca Deming

Staff via Zoom:
Assistant City Manager Adrienne Johnson-Newton

The purpose of the Special Meeting was to hold an Executive Session to discuss the Property Acquisition under RCW 42.30.110(1)(b).

The Executive Session was expected to last until 8:42 p.m.

At 7:59 p.m. Assistant City Manager Adrienne Johnson-Newton left the meeting.

At 8:31 p.m. Community Development Director Rebecca Deming left the meeting.

At 8:36 p.m. Councilmember Harry Steinmetz left the meeting.

The Special Meeting lasted 80 minutes and adjourned at 8:42 p.m.

REGULAR MEETING RECONVENED

NEW BUSINESS CONTINUED

Item 3. **New Agenda Items for Consideration**

- There were no new agenda items for consideration.

COUNCILMEMBER REPORTS
(4 minutes per Councilmember) - 30 minutes

Councilmember Robyn Desimone

- 4th of July Event

Councilmember Jeremy Nutting

- No Report

Councilmember Pierre Blosse

- 4th of July Event

Councilmember JC Harris

- Appreciation to Councilmembers for 4th of July Event
- Port of Seattle Special Meeting

Deputy Mayor Gene Achziger

- Shark in the Park
- Waterland Children's Festival
- Waterland Parade
- Wheels and Keels
- Des Moines Historical Society Harbor Cruise

PRESIDING OFFICER'S REPORT

- Port of Seattle Special Meeting
- 4th of July Event
- Burien Actors Theatre's reading of the Declaration of Independence
- Shark in the Park
- Drag Bingo

- Waterland Children's Festival
- Waterland Parade and Block Party

NEXT MEETING DATE

July 30, 2026 City Council Workshop

ADJOURNMENT

Direction/Action
Motion made by Councilmember Robyn Desimone to adjourn, seconded by Councilmember Jeremy Nutting.
Motion Passed 6-0.

The meeting adjourned at 8:57 p.m.

MINUTES
DES MOINES CITY COUNCIL
LEADERSHIP WORKSHOP

City of Des Moines Police Station
21900 11th Avenue S.
Des Moines, Washington
Thursday, July 30, 2026 - 6:00 PM

CALL TO ORDER

Mayor Yoshiko Grace Matsui called the meeting to order at 6:00 PM.

ROLL CALL

Council Present:
Mayor Yoshiko Grace Matsui, Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Councilmember Robyn Desimone, Councilmember JC Harris, Councilmember Jeremy Nutting, and Councilmember Harry Steinmetz.

Staff Present:
City Manager Katherine Caffrey; Assistant City Manager Adrienne Johnson-Newton; City Attorney Tim George; and Director of Administrative Services Bonnie Wilkins.

CITY COUNCIL LEADERSHIP WORKSHOP

Council and staff participated in facilitated discussions and exercises led by Kelli Hildebrand of Keynote Discovery.

At 7:30 p.m., Council recessed for a 20-minute break and reconvened at 7:50 p.m.

NEXT MEETING DATE

August 6, 2026 Committee of the Whole and Study Session

ADJOURNMENT

Mayor Yoshiko Grace Matsui adjourned the workshop at 9:00 p.m.

MINUTES
DES MOINES CITY COUNCIL
STUDY SESSION

City Council Chambers
21630 11th Avenue S, Suite C
Des Moines, Washington
Thursday, August 6, 2026 - 5:00 PM

CITY COUNCIL COMMITTEE OF THE WHOLE

5:00 p.m. - 5:50 p.m.

CALL TO ORDER

Mayor Yoshiko Grace Matsui called the meeting to order at 5:00 PM.

ROLL CALL

Council Present:
Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Mayor Yoshiko Grace Matsui, Councilmember JC Harris, Councilmember Jeremy Nutting, Councilmember Harry Steinmetz

Council Absent:
Councilmember Robyn Desimone

Direction/Action
Motion made by Councilmember Jeremy Nutting to excuse Councilmember Robyn Desimone, seconded by Deputy Mayor Gene Achziger.
Motion Passed 6-0.

Staff Present:
City Manager Katherine Caffrey; Assistant City Manager Adrienne Johnson-Newton; City Attorney Tim George; Police Chief Ted Boe; Director of Administrative Services Bonnie Wilkins; Harbormaster Scott Wilkins; Deputy Harbormaster Katy Bevegni; Finance Director Jeff Friend; Principal Accountant Jackson Sweigart; Community Development Director Rebecca Deming; Public Works Director Mike Slevin; City Engineer Tommy Owen; IT Manager Chris Pauk; and City Clerk Taria Keane.

COMMITTEE OF THE WHOLE ITEMS

Item 1. **2027 Legislative Priorities**
Presentation by: Legislative Advocate Anthony Hemstad

- Legislative Advocate Anthony Hemstad gave Council a PowerPoint presentation regarding the 2027 Legislative Priorities.

Item 2. **2027 - 2032 Capital Improvements Plan Discussion**
Staff Presentation by: Finance Director Jeff Friend

- Finance Director Jeff Friend gave Council a PowerPoint presentation on the 2027-2032 Capital Improvements Plan.

The Committee of the Whole adjourned at 5:50 p.m.

CITY COUNCIL STUDY SESSION
6:00 p.m. - 10:00 p.m.

CALL TO ORDER

Mayor Yoshiko Grace Matsui called the meeting to order at 6:00 PM.

PLEDGE OF ALLEGIANCE

The flag salute was led by Councilmember Jeremy Nutting.

ROLL CALL

Council Present:
Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Mayor Yoshiko Grace Matsui, Councilmember JC Harris, Councilmember Jeremy Nutting, Councilmember Harry Steinmetz

Council Absent:
Councilmember Robyn Desimone

Direction/Action
Motion made by Councilmember Jeremy Nutting to excuse Councilmember Robyn Desimone, seconded by Deputy Mayor Gene Achziger.
Motion Passed 6-0.

Staff Present:
City Manager Katherine Caffrey; Assistant City Manager Adrienne Johnson-Newton; City Attorney Tim George; Police Chief Ted Boe; Director of Administrative Services Bonnie Wilkins; Harbormaster Scott Wilkins; Finance Director Jeff Friend; Community

Development Director Rebecca Deming; Public Works Director Mike Slevin; City Engineer Tommy Owen; IT Manager Chris Pauk; City Clerk Taria Keane, and Deputy City Clerk Sara Lee.

COMMENTS FROM THE PUBLIC

Comments from the public must be limited to the items of business on the Study Session Agenda. Please sign in prior to the meeting and limit your comments to three (3) minutes.

- There were no comments from the public.

DISCUSSION ITEMS

Item 1. **2027 - 2032 Capital Improvements Plan Discussion Continued**
Staff Presentation by: Finance Director Jeff Friend

- Finance Director Jeff Friend, along with Harbormaster Scott Wilkins and Public Works Director Mike Slevin, gave Council a PowerPoint presentation on the 2027-2032 Capital Improvements Plan.

Item 2. **Discussion on 2027/2028 City Budget Goals and Priorities**
Staff Presentation by: City Manager Katherine Caffrey

- City Manager Katherine Caffrey gave Council a PowerPoint presentation on the 2027/2028 City Budget Goals and Priorities.

At 6:56 p.m., Council took a 10-minute break and resumed the meeting at 7:06 p.m.

Council discussed their top five City Budget Goals and Priorities.

EXECUTIVE SESSION

The Special Meeting was called to order by Mayor Yoshiko Grace Matsui at 7:56 p.m.

Roll Call
Council Present:
Deputy Mayor Gene Achziger, Councilmember Pierre Blosse, Mayor Yoshiko Grace Matsui, Councilmember JC Harris, Councilmember Jeremy Nutting, Councilmember Harry Steinmetz

Staff Present:
City Manager Katherine Caffrey; City Attorney Tim George; and Community Development Director Rebecca Deming.

The purpose of the Special Meeting was to hold an Executive Session to discuss

Property Acquisition under RCW 42.30.110(1)(b).

The Executive Session was expected to last until 8:16 p.m.

The Special Meeting lasted 20 minutes and adjourned at 8:16 p.m.

NEXT MEETING DATE
August 27, 2026 City Council Regular Meeting

ADJOURNMENT

Direction/Action
Motion made by Councilmember Jeremy Nutting to adjourn, seconded by Councilmember Harry Steinmetz.
Motion Passed 6-0.

The meeting adjourned at 8:17 p.m.

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Judge Pro Tem Compensation - 1st Reading**

ATTACHMENTS:
1. Draft Ordinance No. 26-059

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Legal

DATE SUBMITTED:
August 17, 2026

CLEARANCES:
Courts
Finance

Purpose and Recommendation
The purpose of this item is to introduce Draft Ordinance 26-059 which would delegate setting compensation for Judges Pro Tem of the Municipal Court to the Municipal Court Judge.

Motion: "I move to pass Draft Ordinance 26-059 to a second reading on the next available regular Council meeting agenda."

Strategic Plan Priority
Financial responsibility

Background
As permitted by RCW chapter 3.50, the City of Des Moines operates a Municipal Court to hear cases involving violations of City code, including misdemeanors and traffic infractions. The Court is created and governed under DMMC chapter 2.28. Cases are customarily presided over by the Des Moines Municipal Court Judge, who is appointed by the City Manager and confirmed by the City Council. The Judge may not be able to hear cases at times, whether on a case by case basis or for a particular hearing. Reasons for unavailability of the Judge include illness, scheduled leave, or a conflict with a party that requires the Judge to recuse from the case. To provide that cases can be heard when the Judge is unavailable, the Judge may appoint Judges Pro Tem to hear cases in her place.

State law sets compensation for a regular appointed or elected judge of a municipal court. The Des Moines Municipal Court Judge's salary is set in accordance with this formula. Per RCW 3.50.090, the compensation for judges pro tem shall be set by ordinance of the municipality and paid by the municipality. Currently, DMMC 2.28.060 sets pro tem compensation at a rate at a pro rata equivalent of the Judge's salary. This level is significantly higher than the prevailing rate for judges pro tem in the area.

Discussion

The rate of compensation set by DMMC 2.28.060 has fallen significantly out of sync with the market for judges pro tem and would create unnecessary expense. The Municipal Court Judge is well positioned to monitor the market rate for judges pro tem and the draft ordinance would allow the Judge to set judge pro tem compensation rates at a level that would attract qualified candidates while minimizing the budget impact, rather than to keep compensation at the current inflated level.

Alternatives

The Council may:
1. Pass the Draft Ordinance as presented to a future meeting
2. Pass the Draft Ordinance with changes to a future meeting
3. Suspend Rule 8.06(K)(3)(a) and enact the Draft Ordinance on first reading
4. Decline to take action on the Draft Ordinance

Financial Impact

Staff estimates that allowing the Judge to set compensation to market rates rather than at the level set by DMMC 2.28.060 results in judge pro tem costs approximately 25% lower.

Recommendation

Staff recommends that the Council pass the draft ordinance to a second reading.

CITY ATTORNEY'S FIRST DRAFT 08/17/2026

DRAFT ORDINANCE NO. 26-059

AN ORDINANCE OF THE CITY OF DES MOINES, WASHINGTON relating to the Municipal Court, setting compensation for Judges Pro Tempore, and amending DMMC 2.28.060.

WHEREAS, the City of Des Moines operates a Municipal Court under the authority granted by RCW chapter 3.50, and

WHEREAS, from time to time, judges pro tem are called on to serve in the absence or disability of the municipal court judge, and

WHEREAS, pursuant to RCW 3.50.090, judges pro tempore of a municipal court shall be compensated at a rate fixed by ordinance of the municipality in which the court is located, and

WHEREAS, the City Council wishes to delegate to the municipal court judge the task of determining reasonable yet competitive compensation for judges pro tem based on the local market for judges pro tem to attract suitable candidates, and

WHEREAS, the City Council finds that the provisions in this ordinance are necessary and proper to protect the health, welfare, and safety of Des Moines; now therefore,

THE CITY COUNCIL OF THE CITY OF DES MOINES ORDAINS AS FOLLOWS:

Sec. 1. DMMC 2.28.060 and section 7 of Ordinance No. 610 as amended by section 2(7) of Ordinance No. 1135 as amended by section 2 of Ordinance No. 1349 as amended by section 1 of Ordinance No. 1624 as amended by section 3 of Ordinance No. 1793 are each amended to read as follows:

Compensation.

Compensation for the municipal court judge and magistrate shall be set in the biennial budget ordinance of the City. Judges pro tem shall be compensated ~~pro rata~~ at ~~the compensation~~ a rate ~~of~~set by the municipal court judge. Commencing September 1, 2015, and thereafter on the first day of September of each successive year, the salary of the Des Moines municipal court judge shall automatically be adjusted to an amount equal to 95 percent of the salary of district court judges as set by the

Washington Citizens' Commission on Salaries for Elected Officials for the succeeding year.

Sec. 2. Ratification and confirmation. All acts taken by City officers and staff prior to the enactment of this Ordinance that are consistent with and in furtherance of the purpose or intent of this Ordinance are hereby ratified and confirmed by the City Council.

Sec. 3. Severability - Construction.

(1) If a section, subsection, paragraph, sentence, clause, or phrase of this Ordinance is declared unconstitutional or invalid for any reason by any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance.

(2) If the provisions of this Ordinance are found to be inconsistent with other provisions of the Des Moines Municipal Code, this Ordinance is deemed to control.

Sec. 4. Effective date. This Ordinance shall take effect and be in full force thirty (30) days after its passage and approval in accordance with law.

PASSED BY the City Council of the City of Des Moines this ___ day of _____, 2026 and signed in authentication thereof this ___ day of _____, 2026.

_____
M A Y O R

APPROVED AS TO FORM:

_____
City Attorney

ATTEST:

_____
City Clerk

Published:

Effective Date:

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **ILA with Highline Water District for 2026 North Hill AC Water Main Replacement Project**

ATTACHMENTS:
1. Des Moines Interlocal Agreement
2. Asphalt Restoration Limits

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Public Works

DATE SUBMITTED:
August 03, 2026

CLEARANCES:
Public Works
Finance

Purpose and Recommendation

The purpose of this agenda item is for City Council to approve a construction agreement between the City of Des Moines (City) and Highline Water District (District). The Interlocal Agreement (Attachment 1) will allow the City to combine proposed City pavement overlay work with the District's 2026 North Hill AC Water Main Replacement Project into a single contract benefiting the City, District, and overall community for the North Hill Neighborhood. The following motion will appear on the Consent Calendar:

Motion: "I move to approve the Interlocal Agreement between the City of Des Moines and Highline Water District regarding the 2026 North Hill AC Water Main Replacement Project, and further authorize the City Manager to sign said Agreement substantially in the form as submitted."

Strategic Plan Priority

Natural and Built Environment

Background

The City currently has an annual arterial street paving program solely focused on roadway preservation. In efforts to maximize program resources, City staff has been seeking partnership opportunities with the various franchise utilities within the City. Many situations arise where partial roadway restoration is required by a franchise utility for project related work, and where the City has identified the long-term benefit of

achieving full roadway restoration.

Located within the North Hill Neighborhood, Highline Water District proposes to replace approximately 7,300 linear feet of water main as part of their 2026 North Hill AC Water Main Replacement Project. As part of this project, Highline Water District is responsible for half-street overlay restoration within their respective project limits.

Upon engineering review of the pavement conditions where the franchise utility half-street overlays will occur, it would be beneficial in some cases that the remaining half-street overlay be completed by the City. Many of the existing roadways are likely 25-35 years old and have exceeded their expected life span. The proposed full-street overlay ensures a uniform pavement lifecycle and higher quality of paving. During engineering review of the anticipated work by Highline Water District there were a few locations where pavement conditions were deemed adequate and staff determined that a full overlay was not needed.

The District's project is currently under construction and the City would be participating in the pavement restoration aspect of the District's work.

Discussion

By combining the City's roadway work with Highline Water District's utility work into a single contract as proposed in the Interlocal Agreement, staff believes there will be significant benefits, specifically:

- Economy of Scale – Utilizing the current contract's bid prices reduces the potential City cost to design and seek construction bids separately for half-street pavement overlays.
- Community Impact - Reduction in impacts to the public and project schedule by combining two projects into one.
- Material Quality Control – A single contract will ensure consistent construction materials and methods are utilized for the entire roadway width vs half-street operations.

Included within the Interlocal Agreement are obligations of the City that provide mutual benefit to the project. In summary, these include:

- Construction Costs – The City shall reimburse the District the Roadway Schedule B Bid Items/Work, estimated at $294,355 for costs associated with pavement overlay. Included in Schedule B are costs to install storm laterals on 4th Ave South that aren't currently present.
- Construction Management – The City shall reimburse the District $39,882 for costs associated with the construction and contract management and inspections of the City's items of work per WSDOT Standard Specifications. The City shall assist with construction inspection issues related to the pavement overlay and storm water installations per WSDOT Standard Specifications.

The final restoration plan is shown graphically in Attachment 2. Based on engineering

staff review, it was determined that not all roadways where Highline Water District is conducting work are candidates for a full-width asphalt restoration. Highline Water District is responsible for a half street overlay where they have disturbed the roadway, but the City has determined that existing conditions on the other half of the street do not always warrant an asphalt overlay. In addition, the City negotiated with Highline Water District and their contractor to add 4th Ave to the full width restoration. Ultimately, a change order was unable to be agreed upon due to cost. City staff will consider 4th Ave for future asphalt overlays under the annual Street Pavement Preservation program.

The construction costs, construction management and inspection costs were reviewed and fairly negotiated between City staff, Highline Water District, and the District's contractor.

Alternatives

The City Council could elect not to enter into this Interlocal Agreement with Highline Water District. The City and District would then pursue their projects independently and risk losing the benefits of a combined project, extend the project impacts multiple seasons, and potentially have a lower quality roadway surface due to half-street roadway improvements or full-street improvements by multiple contractors.

Financial Impact

The City's Arterial Street Pavement Preservation CIP budget worksheet includes revenues to accommodate this Interlocal Agreement.

Recommendation

Staff recommends adoption of the motion.

INTERLOCAL AGREEMENT
CITY OF DES MOINES AND HIGHLINE WATER DISTRICT

PROJECT 25-3 2026: NORTH HILL AC WATER MAIN REPLACEMENT PROJECT

This Agreement ("Agreement") is made by and between Highline Water District, a Washington special purpose municipal corporation ("District"), and the City of Des Moines, a Washington municipal code city ("City"), (individually a "Party" and collectively the "Parties") for the purposes set forth herein.

RECITALS

WHEREAS, the District owns and operates certain water utilities located within the right-of-way within various roadways in the North Hill Neighborhood and the District is undertaking a capital improvement project to replace approximately 7,300 linear feet of asbestos concrete (AC) water main known as the Project 25-3 2026 North Hill AC Water Main Replacement ("Project"); and

WHEREAS, after competitive bidding, the District awarded contract 25-70-26 for the Project to Reed Trucking & Excavating, Inc. on January 21, 2026, and the Project is currently under construction; and

WHEREAS, after award of the original contract and commencement of construction, the City request that the District add roadway re-paving and improvements as described on **Exhibit A** attached hereto and incorporated herein by this reference ("City Work") for the City's benefit beyond the District's existing restoration obligations; and

WHEREAS, Chapter 39.34 RCW authorizes two or more political subdivisions or units of local government of the State of Washington to cooperate on a basis of mutual advantage to provide for services and facilities; and

WHEREAS, incorporating the City Work into the Project will be more expedient, less expensive, and less disruptive to the public than if the District and City undertook the Project and the City Work separately; and

WHEREAS, the Parties desire to establish a formal arrangement under which the City will pay the District in consideration of the District incorporating the City Work into the current construction contract and constructing the City Work in conjunction with the construction of the Project; and

WHEREAS, the Parties desire to enter into this Agreement for the purpose of

defining their respective rights, obligations, costs, and liabilities regarding this undertaking; and

WHEREAS, the City's City Council has taken appropriate action to approve this Agreement; and the District Board of Commissioners has taken appropriate action to approve this Agreement;

NOW, THEREFORE, in consideration of the terms, conditions and covenants contained herein, the Parties agree as follows:

AGREEMENT

Section 1. Purpose. The purpose of this Agreement is to establish a formal arrangement under which the City will pay the District to incorporate City Work into the current contract through a District issued change order and to construct the City Work in conjunction with the District's construction of the Project. The terms, conditions, and covenants of this Agreement shall accordingly be interpreted to advance this purpose. This Agreement further seeks to allocate and define the Parties' respective rights, obligations, costs and liabilities concerning the establishment, operation and maintenance of this undertaking.

Section 2. Term. This Agreement shall be effective upon the date by which it has been executed by both Parties ("Effective Date"). Unless terminated in accordance with Section 3, this Agreement shall remain in effect until one of the following events occurs, whichever is later: (a) the City's written acceptance of and payment to the District for the City Work provided pursuant hereto, or (b) December 31, 2027. Thereafter, this Agreement shall expire automatically. The Parties may at their option renew this Agreement for a mutually agreed upon term by a writing signed by both Parties.

Section 3. Termination. Subject to the provisions of Section 4 herein, either Party may terminate this Agreement with cause by providing the other Party with at least thirty (30) days written notice of its intent to terminate. Termination or expiration of this Agreement shall not alter the City's payment obligations under Section 6 for services already rendered, as well as for the normal and reasonable costs incurred by the District's contractor in terminating and closing out the City's portion of the Project work and shall not alter the Parties' respective obligations under Section 11 of this Agreement.

Section 4. Obligations of the City.

A. The City shall provide payments to the District to reimburse the District for its costs of incorporating the City Work into the current Project construction documents, for constructing the City Work, and performing the prior City authorized work identified in and pursuant to Section 6 of

this Agreement, **Exhibit A, B, and C**, and as follows:

a. Engineering/Design. The City shall participate in and approve the City Work documents as follows:

i. The City has coordinated with the District and its engineering consultant in preparing the plans, details, specifications, and bid items necessary to accommodate the City Work utilizing WSDOT specifications and bid quantities for common work acceptable to the City.

ii. By executing this Agreement with **Exhibits A and B** attached, the City confirms that it has reviewed and approved the Change Order package included as **Exhibit A** and the preliminary Contractor pricing summarized in **Exhibit B** and determined the pricing acceptable as a basis for continued negotiation. The City authorizes the District to incorporate the City work into the current Contractor through a District issued change order, subject to Section 7.

iii. The preliminary proposed prices for the City Work are identified as Schedule B in **Exhibit B**. The final prices shall be the prices incorporated into the change order executed by the District. The additional District construction management and administration cost identified in Section 4.A.c is separate from those prices.

iv. The City agrees to timely review and issue any City permits necessary for the Project, including the City of Des Moines Right-of-Way Use Permit.

b. Construction. The City shall reimburse the District for the District's actual costs for construction of the City Work based upon:

i. Contractor's bid prices for the City Work, the actual quantities of work installed, and the final actual costs of construction. For the benefit of economies of scale and contract inspection and administration, the City's financially responsible bid items will be listed in Schedule B. The specific bid items and unit prices and approximate quantities can be found in **Exhibit B**. The Bid items are:

- Furnish & Install 4th Ave Storm Later — Lump Sum (LS)
- Grind HMA Thickened Edge — Lump Sum (LS)
- Unsuitable Foundation Excavation — Square Yard (SY)
- HMA Thickened Edge — Linear Foot (LF)

- Planning Bituminous Pavement Square Yard (SY)
- HMA Cl ½" PG 58H-22 for Pavement Overlay Ton (TN)
- Surface Restoration Linear Foot (LF)
- Minor Change (for City Work) Force Account (FA)
- Any additional City initiated change orders or scope modifications attributed to the City Work

Total cost of City Work to be paid is estimated at Two Hundred Ninety Four and Three Hundred Fifty Five Dollars (**$294,355.00)** based on the estimated quantities and the Contractor's preliminary pricing proposal attached as **Exhibit B**.

ii. The City shall be responsible for determining and timely communicating to the District the locations and depth to perform subgrade repair under the unit bid prices Unsuitable Foundation Excavation Inc. Haul and Pavement Repair in consultation with the District's engineering consultant. The District or its designee shall provide any resulting direction to the Contractor.

iii. Additional restoration work identified beyond the initial scope of the City Work shall be at the sole cost of the City. Any additional work shall be in accordance with Section 8 of this Agreement.

iv. The City will not be responsible for any unit quantities and/or changes in unit quantities for the District Restoration Work.

c. Construction Management and Inspection: The City shall reimburse the District for the additional costs incurred for project administration, construction management, and contract administration associated with the City Work as provided by the District's engineering consultants.

i. The additional project adminstration, construction management, and contract administration cost for the City Work has been estimated and negotiated by the Parties based on the engineer's estimate for the City Work to be a single, lump sum payment of Thirty Nine Thousand Eight Hundred Eighty Two Dollars (**$39,882.00)**.

ii. The City Right-of-Way Inspector shall coordinate directly with the District's inspector during the Project construction. The City inspector shall be responsible for inspection and approval or disapproval of the City Work on behalf of the City. The Contractor will be directed to comply with the City's

requirements by the District or its designee in accordance with plans and specifications approved by the City. The City's inspector shall immediately notify the District's inspector, verbally and in writing, of any disapproval of said work and provide said notification to the District prior to progress payment for said work to the Contractor.

iii. The City shall review and approve Requests for Approval of Materials ("RAM") for materials to be used proposed by the contractor for City bid item work as provided by the District as required by the District's Engineering Consultant. When needed, the City shall complete the review and approve or reject the RAM within five (5) business days of receiving any RAM from the contractor or the District, provided, if the City fails to respond to the RAM within five (5) business days, the RAM shall be deemed to have been approved by the City.

d. Construction Claims: If claim(s) are filed on the Project by the contractor that are directly related to the City Work ("Claim"), the City shall reimburse the District for the District's reasonable expenses incurred to respond to said Claim, including the District's costs incurred for consultant construction engineering and management, if any. If required, the City of Des Moines will provide legal representation for City Work in coordination with Des Moines.

Any settlement to be reviewed and agreed upon by both Highline Water District and Des Moines.

B. The City shall respond within five (5) business days to information requests submitted by the District or its agents regarding the City Work.

C. Upon completion of the City Work to the City's satisfaction, the City shall provide written acceptance of the City Work to the District.

Section 5. Obligations of the District.

A. The District shall negotiate and, if acceptable to all parties, issue a change order incorporating the City Work described in **Exhibit A** into the current construction contract.

B. The District shall administer construction of the City Work in accordance with the plans, specifications, and contract documents, including but not limited to securing all necessary consultants, contractors, and subcontractors.

C. The District shall periodically submit to the City written invoices for payment in accordance with Section 6. The District shall include copies of invoices or other documentation from consultants and/or contractors, clearly indicating the City's portion of the invoices.

D. The District shall assume lead agency status and responsibility for applying for and obtaining any and all regulatory permits necessary to complete the Project including the City Work.

E. The District shall provide City personnel access to the Project's construction area for purposes of inspecting, monitoring, approving or disapproving the progress of work performed on the City Work. The District shall notify a City representative of all construction meetings and shall allow the City's representative to participate in all construction meetings.

F. The District shall respond promptly to information requests submitted by the City or its agents regarding the Project.

G. The District shall require the contractor constructing the Project to have the City, its elected and appointed officers, agents and employees named as an additional insured on all policies of insurance to be maintained by contractor(s) under the terms of any Commercial General Liability Insurance, Commercial Automobile Insurance, and Workers Compensation. The District shall provide the City with either a certified copy of all policies with endorsements attached or a Certificate of Insurance with endorsements attached as are necessary to comply with the contract specifications. The District shall provide the City with copies of all such policies and documents upon receipt by the District.

The District shall require the contractor building the Project to indemnify, defend, and save harmless the City and its elected and appointed officers, agents, or employees from any claim, damage, action, liability of proceeding brought or filed against the City or its officers, agents or employees alleging damage or injury arising out of the contractor's participation in the Project. The Contractor shall also be required to waive the Contractor's immunity under Washington's Industrial Insurance Act, RCW Title 51, as to the City solely for the purposes of the indemnification.

The District shall require the contractor to be responsible for compliance with all applicable federal, state and local statutes, regulations and ordinances regarding safety.

Section 6. Payment Schedule.

The Parties agree to the following billing and payment schedule:

A. Within thirty (30) days after this Agreement has been executed by both Parties, the City shall make a lump sum payment to the District in the total amount of **$46,762.09**, consisting of the following charges:

- **$39,882.00**; Construction Management
- **$2,540.39**; City Directed paving on 2nd Ave S.
- **$1,622.88**; Force account for additional thickened edge on 2nd Ave S.
- **$2,716.83**; Force account for additional gravel approaches on 2nd Ave S.

The City acknowledges that it previously authorized the two force account charges and requested additional pavement restoration outside of the District's required area of pavement restoration, that the District directed the Contractor to perform the work on the City's behalf, and the District has paid the Contractor for the work performed.

B. For construction contract costs incurred by the District for the City Work on the Project, the District shall submit invoices to the City for the City's share of said expense for the City Work per the applicable Bid Schedule. Said invoices shall contain a reasonably detailed explanation of the methodology utilized by the District in determining the City's share of each expense. To the extent reasonably possible, the District shall document and tabulate separately the actual quantities of work installed to clearly identify the City's portion of the Project construction cost for the City Work. Final adjustment of prorated costs shall be delivered to the City within thirty (30) days of project close out.

C. Within thirty (30) days of receiving any invoice pursuant to subsection 6.A, the City shall tender payment to the District in the form of a warrant payable to the District for the invoiced amount, except as to any disputed amounts.

D. If the Parties disagree regarding the City's share of any expense incurred by the District regarding the Project, the Parties may agree to submit the question for resolution in accordance with the mediation/arbitration clause contained herein.

Section 7. Issuance and Administration of Change Order for City Work:

The District shall not issue the change order adding the City Work to the current Contract until this Agreement is effective. The change order shall be issued only if the District and Contractor agree to terms acceptable to the District. The City is not a party to the current construction Contract and shall not direct the Contractor, subcontractors, or supplies, nor otherwise bind the District. All Contractor direction concerning the City Work shall be issued by the District or its authorized designee in accordance with the current Contract documents.

Section 8. Change Orders and Authorization of Cost Overruns:

A. Change Orders. The City shall have the right to approve or reject change orders relating to the City Work. The District shall have the right to approve or reject change orders relating to the Project work. The Parties shall mutually accept or reject change orders relating to joint work. Any dispute between the Parties as to proportional payment for joint element change orders shall be resolved pursuant to the mediation/arbitration clause contained herein.

B. Cost Overruns. The District is authorized on behalf of the City to negotiate and approve all unit price over-runs in bid quantities and change orders related to the installation of the City Work. The City also authorizes the expenditure by the District of a contingency of up to ten percent (10%) of the contractor's total price for the City's bid items for over-runs in bid quantities and change orders associated with the installation of the City Work. For any quantity overruns that cause the cost of the City Work to exceed the authorized ten percent (10%) contingency amount, the District will notify the City in writing requesting a letter of concurrency allowing the District to exceed the ten percent (10%) contingency before proceeding with the work. The District's notice shall include an explanation of the changed conditions necessitating exceeding the previously approved contingency. A letter of concurrence shall be provided to the District within a reasonable time frame so as to not cause a Project delay. If there is a potential delay due to extra work or a change order, the District will indicate in this notification to the City along with a time for response required from the City. The District will include a progress schedule and any change orders for the City Work with the City's monthly invoice. In any event and even without a letter of concurrence from the City, the District is authorized to take any reasonable action and to expend any reasonable amount of money to assure that the City Work will not interfere or delay the timely completion of the Project.

Section 9. Ownership and Disposition of Property. The City Work pursuant to this Agreement shall become and remain the exclusive property of the City upon completion, acceptance of the City Work by the City, and the District's final acceptance of the Project work, including the City Work. All other work constructed under the Project shall become and remain the exclusive property of the District upon completion. The District will forward and assign to the City any guarantee or warranty furnished as a normal trade practice in connection with the purchase of any equipment, materials, or items used in the construction of the Project. The District shall submit redline drawings to the City upon completion of the Project for City review and approval. The District's contractor shall warrant the workmanship and materials

utilized in the City Work to be free from defects for a period of one (1) year from the date of final completion of the District's Project, provided the City shall retain any rights, claims or demands the City may have against the District's contractor relating to the City Work under applicable statutes of limitation.

Section 10. Administration; No Separate Entity Created. Pursuant to RCW 39.34.030, the City Public Works Director, or his/her designee, shall serve as the City's administrator of this Agreement. The District General Manager, or his/her designee, shall serve as the District's administrator of this Agreement. No separate legal entity is formed by this Agreement.

Section 11. Release, Indemnification and Hold Harmless Agreement. Each Party to this Agreement shall be responsible for its own negligent and/or wrongful acts or omissions, and those of its own agents, employees, representatives, contractors or subcontractors, to the fullest extent required by laws of the State of Washington. Each Party agrees to protect, indemnify and save the other Party harmless from and against any and all such liability for injury or damage to the other party or the other Party's property, and also from and against all claims, demands, and causes of action of every kind and character to the extent arising directly or indirectly, or in any way incident to, in connection with, or arising out of work performed under the terms hereof, caused by its own fault or that of its agents, employees, representatives, contractors or subcontractors.

The City specifically promises to indemnify the District against claims or suits brought under Title 51 RCW by its own employees, contractors, or subcontractors, and waives any immunity that the City may have under that title with respect to, but only to, the limited extent necessary to indemnify the District. The City shall also indemnify and hold the District harmless from any wage, overtime or benefit claim of any City employee, agent, representative, contractor, or subcontractor performing services under this Agreement. The City further agrees to fully indemnify the District from and against any and all costs of defending any such claim or demand to the end that the District is held harmless therefrom.

The District specifically promises to indemnify the City against claims or suits brought under Title 51 RCW by its own employees, contractors, or subcontractors, and waives any immunity that the District may have under that title with respect to, but only to, the limited extent necessary to indemnify the City. The District shall also indemnify and hold the City harmless from any wage, overtime or benefit claim of any District employee, agent, representative, contractor, or subcontractor performing services under this Agreement. The District further agrees to fully indemnify the City from and against any and all costs of defending any such claim or demand to the end that the City is held harmless therefrom.

Section 12. Mediation/Arbitration Clause: If a dispute arises from or relates to this Agreement or the alleged breach thereof and if the dispute cannot be resolved through direct discussions between the Parties, the Parties agree to endeavor first to settle the dispute in an amicable manner by mediation before a mutually agreed alternative dispute resolution entity or by mediation administered under the American Arbitration Association's Commercial or Construction Rules before resorting to arbitration. The mediator may be selected by agreement of the Parties or through the American Arbitration Association. Following mediation, any unresolved controversy or claim arising from or relating to this Agreement or breach thereof shall be settled through binding arbitration which shall be conducted under mutually agreed rules, or under the American Arbitration Association's Commercial or Construction Arbitration Rules. The arbitrator may be selected by agreement of the Parties or through appointment pursuant to the rules of the American Arbitration Association.

All fees and expenses for mediation or arbitration shall be borne by the Parties equally. However, each Party shall bear the expense of its own counsel, experts, witnesses, and preparation and presentation of evidence.

Section 13. Governing Law and Venue. This Agreement shall be governed by the laws of the State of Washington. Any action arising out of this Agreement shall be brought in King County Superior Court - Kent.

Section 14. No Employment Relationship Created. The Parties agree that nothing in this Agreement shall be construed to create an employment relationship between the District and any employee, agent, representative or contractor of the City, or between the City and any employee, agent, representative or contractor of the District.

Section 15. No Third Party Rights. This Agreement is intended for the sole and exclusive benefit of the Parties and no third party rights are created by this Agreement.

Section 16. Notices. Notices to the City shall be sent to the following address:

City of Des Moines
Transportation & Engineering Services Manager
216560 11th Avenue South
Des Moines, WA 98198

Notices to the District shall be sent to the following address:

Highline Water District

General Manager
23828 30th Avenue South
Kent, WA 98032

Section 17. Interlocal Cooperation. Pursuant to RCW 39.34.040, this Agreement shall be filed with the King County Auditor upon full execution or listed by subject on the City's and District's respective web sites.

Section 18. Integration/Entire Agreement. This Agreement constitutes the entire embodiment of the Agreement between the Parties, and, unless modified in writing by an amendment to this Agreement signed by the Parties, shall be implemented as described above. This Agreement supersedes any oral representations that are inconsistent with or modify its terms and conditions.

Section 19. Non-Waiver. Waiver by any Party or any of the provisions contained within this Agreement, including but not limited to any performance deadline, shall not be construed as a waiver of any other provisions.

Section 20. Amendment. This Agreement may be amended only upon consent of the Parties. Any amendment hereto shall be in writing and shall be ratified and executed by the Parties in the same manner in which it was originally adopted.

Section 21. Severability. If any provisions of this Agreement shall be held invalid, the remainder of this Agreement shall not be affected thereby.

Section 22. Counterparts. This Agreement shall be effective whether signed by all Parties on the same document or whether signed in counterparts.

Reviewed and approved as authorized by motion of the City of Des Moines City Council on the _____ day of _____, 2026.

CITY OF DES MOINES

By: _____
Katherine Caffrey, City Manager

Date: _____

ATTEST:

_____
City Clerk

APPROVED AS TO FORM:

_____
Des Moines City Attorney

Reviewed and approved as authorized by Resolution No. _____ of the Highline Water District Board of Commissioners on the _____ day of _____, 2026.

By: _____
Jeremy DelMar, General Manager

Date: _____

EXHIBIT A

CITY WORK CHANGE ORDER PACKAGE

1-09.14 Bid Item Measurement and Payment (New Section)

Add the following new section:

Schedule B

It is the intent of these Contract Documents that the performance of all additional work for Schedule B under these Bid Items will result in the complete construction of the contract. Payment for work under this proposal will be made only for items listed in this Bid Form in the Proposal. All other material, labor or equipment required for the work shall be considered as incidental to the construction, including, but not limited to, any additional mobilization, any additional temporary erosion and sediment control and any additional traffic control.

The Measurement and Payment for the following Bid item descriptions apply to the corresponding Bid items per Schedule B as included in this Proposal:

FURNISH AND INSTALL 4TH AVE STORM LATERAL

The lump sum (LS) price bid to Furnish and Install the 4th Ave Storm Lateral shall constitute full compensation for furnishing all work, labor, materials, tools, equipment, and incidentals necessary to install a Type 1 Catch Basin and approximately 24 linear feet (LF) of 10-inch ductile iron pipe across 4th Ave S as shown on the attached plans and as directed by the District, complete, in place, tested, and ready for use. This shall include, but not be limited to, potholing to locate existing utilities; excavation; haul and proper disposal of excavated material; furnishing and installing pipe and catch basin; connection to the existing storm drainage system; furnishing, backfilling and compacting CSTC; surface restoration as necessary to restore existing surfaces outside the existing pavement; and furnishing, placing and compacting HMA as necessary to restore the roadway surface as shown on plan sheet SD1. This work is intended to be all inclusive and separate from any other bid items.

GRIND HMA THICKENED EDGE

The unit price bid per Linear Foot (LF) to Grind HMA Thickened Edge shall constitute full compensation for furnishing all work, labor, tools, equipment, and incidentals necessary to grind the thickened edge to a height of no more than two (2) inches above grade and seal with AR 4000W along 2nd Ave as directed by the District. This shall include, but not be limited to excavation, load, haul, and lawful disposal of grinding materials. HMA Thickened Edge and Planing Bituminous Pavement, 2-inch Depth shall be paid under separate bid items.

UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL FOR ROADWAY

The unit price bid per Square Yard (SY) for Unsuitable Foundation Excavation Incl. Haul shall constitute complete compensation for furnishing all work, labor, materials, tools, equipment, and incidentals necessary to conduct the work in accordance with the detail on the Plans and as described in these Specifications. This shall include, but not be limited to excavation, load, haul, and lawful disposal of unsuitable material for a maximum depth

of 2 feet below the existing surface, furnishing, backfilling and compacting CSTC, furnishing and placing geotextile material, tack coat, and furnishing placing and compacting HMA Class ½ PG 58H-22.

Specifically included int the unit price, but not limited to, shall be all costs associated with proof rolling the areas within the paving limits identified on the plans with a District representative following completion of grinding operations to identify areas that have unsuitable foundation.

Areas identified with unsuitable foundation will be clearly marked in the field. Measurement shall be to the nearest SY. Depending upon the outcome of the proof rolling operation, the quantity of unsuitable foundation will range from nothing to the entire limit of the paving limit identified on the plans. The quantity for the proposed unit price is approximate only and is subject to either increase or decrease and is stated only for the purpose of providing a proposal. Any portion or all of this bid item may be authorized as part of this contract. Payment shall be made based upon actual quantity installed at said unit price. Actual quantities will be measured in the field as work progresses.

HMA THICKENED EDGE

The unit price bid per Linear Foot (LF) for HMA Thickened Edge shall constitute full compensation for furnishing all work, labor, tools, equipment and incidentals necessary to provide HMA thickened edge where shown on the Contract Plans or as directed by the Engineer. This bid item is to compensate the Contractor for increased cost to provide thickened edge beyond the unit price bid for HMA pavement overlay. HMA Class ½-inch PG 58H-22 for Pavement Overlay shall be paid under a separate bid item. This bid item only applies to quantities measured between 4th Ave S and 10th Ave S.

PLANING BITUMINOUS PAVEMENT, 2-INCH DEPTH

The unit price bid per Square Yard (SY) for Planing Bituminous Pavement, 2-inch depth shall constitute complete compensation for furnishing all Work, labor, materials, tools, equipment, and incidentals necessary to complete the planing of existing bituminous pavement to the depth specified in the Proposal, as shown on the Plans, or as directed by the District, and as approved by the City of Des Moines. All work shall be performed in accordance with applicable sections of the latest edition of the Standard Specifications and the City of Des Moines requirements.

Work under this item shall include, but is not limited to:

Provide a planing plan and participate in a pre-planing briefing before starting work. The plan shall address traffic control, sequencing with paving, haul routes, and procedures for working around exposed castings and installing/removing any temporary patch material around those castings.

Protect all visible castings and surface improvements within the planing limits. Operate milling equipment to avoid contact with lids/frames; hand trim as needed to maintain safe clearance. If any metal castings or surface improvements are damaged by planing, repair or replace them at the Contractor's expense.

Scarifying or cold planing of the existing asphalt surface, including along private roads where applicable, hauling and disposal of millings, unless otherwise noted, dust control and surface cleaning, protection of existing structures, utilities, and adjacent pavement edges, provision and placement of tack coat material as needed for bonding to the existing or prepared surface, coordination with paving operations to minimize surface exposure and disruption.

No additional compensation shall be made for work incidental to planing, including tapering at joints, variable-depth planing, or working around surface features such as manholes and valve boxes casting along the edge of the planing limits.

HMA CLASS 1/2-INCH PG 58H-22 FOR PAVEMENT OVERLAY

The unit price bid per Ton (TN) shall constitute complete compensation for furnishing all Work, labor, materials, tools, equipment, and incidentals necessary to provide asphalt concrete pavement overlay HMA CL ½-Inch PG 58H-22 to thickness as shown on the Contract Plans or as directed by the Engineer in accordance with the Standard Specifications.

The Work shall include but shall not be limited to:

a. Surface preparation, including cleaning and sweeping of existing pavement
b. Crack sealing, pothole and localized base repairs, and application of leveling courses as needed
c. Pre-leveling existing pavement irregularities to achieve uniform cross-section and profile
d. Application of tack coat to all surfaces receiving new asphalt
e. Furnishing, hauling, placing, and compacting HMA overlay to the specified thickness
f. Sealing of longitudinal and transverse joints
g. Final cleanup and conformance with surface tolerances

All costs associated with subgrade preparation, pre-paving treatments, multiple lifts (if required), and coordination with other surface restoration work shall be considered incidental to this bid item. No additional compensation shall be allowed.

SURFACE RESTORATION

The Lump Sum (LS) price Bid for Surface Restoration shall be full compensation for all labor, materials, equipment, and incidentals required to reinstall or replace all surface improvements disturbed by the construction process. Restoration shall return affected areas to a condition equal to or better than the pre-existing condition, to the greatest extent feasible, including all edge restoration as described in Section 2-11.6.

The improvements which may be disturbed include, but are not limited to the following: removing, storage and replanting of small trees, shrubs and ornamental plants, lawn restoration including seeding, sod in existing lawn areas, concrete sidewalks, concrete curb and gutters, guardrails, mail boxes, fences, street signs, pavement markings, rockeries, modular walls gutters, lawns, trees, shrubs, asphalt walkways, rock landscaping, hydro-seeding, top soil and/or CSTC as specified by the Engineer.

In addition, the Bid item shall also include providing soil amendment in accordance with City of Des Moines Permitting conditions to all disturbed areas onsite prior to final restoration.

The District reserves the right to verify the adequacy of restoration using preconstruction photographs of the affected areas. No additional compensation shall be allowed for any work or materials associated with surface restoration, regardless of the type, location, or extent of the disturbance. Restoration of asphalt paving shall be paid under separate bid items.

MINOR CHANGE

The unit price bid for Minor Change shall be per force account (FA) in accordance with Section 1-04.4(1) of the Standard Specifications and has been included for any additional work associated with minor changes. Items listed as “Force Account” have had an estimated dollar amount entered in the Bid Proposal by the District, to provide a common proposal for all Bidders which have been figured into the Contract Sum.

Payments or credits for changes amounting equal to or less than the value shown in each schedule may be made under the bid item “Minor Changes”, at the discretion of the District, and in accordance with Section 1-04.4(1) of the Standard Specifications. The actual amount paid under this item may vary from no payment to the full amount of the bid item. At the time of authorization, the District and Contractor will agree to the basis of compensation for that work, by one of the following methods:

a. By an accepted lump sum proposal from the Contractor.
b. By Bid prices already established in the Bid Proposal.
c. By Bid prices mutually agreed upon by the Contractor and the District; or
d. By force account, as set forth in Section 1-09.6.

The District will provide the Contractor a copy of the request for a minor change and will require the Contractor to provide a cost estimate for the District’s review and approval prior to the work being performed. Approved minor change work performed under this bid item will be performed only after a work directive is issued by the District. Any additional work performed prior to the work directive issued by the District will not be compensated under this bid item.

Enclosure C
Schedule B: North Hill Water Main Replacement

ITEM NO.	APPROXIMATE QUANTITY & UNITS	DESCRIPTION OF ITEM	UNIT PRICE	TOTAL AMOUNT FOR ITEM
B-1	1 LS	Furnish and Install 4th Ave Storm Lateral		
(Lump Sum) Words				
B-2	390 LF	Grind HMA Thickened Edge		
(Per Linear Foot) Words				
B-3	590 SY	Unsuitable Foundation Excavation incl. Haul for Roadway		
(Per Square Yard) Words				
B-4	2,410 LF	HMA Thickened Edge		
(Per Linear Foot) Words				
B-5	5,900 SY	Planing Bituminous Pavement, 2-inch Depth		
(Per Square Yard) Words				
B-6	890 TN	HMA Class ½-inch PG 58H-22 for Pavement Overlay		
(Per Ton) Words				
B-7	1 LS	Surface Restoration		
(Lump Sum) Words				

Enclosure C
Schedule B: North Hill Water Main Replacement

ITEM NO.	APPROXIMATE QUANTITY & UNITS	DESCRIPTION OF ITEM	UNIT PRICE	TOTAL AMOUNT FOR ITEM
B-7	1 FA	Minor Change	$25,000	$25,000

TWENTY-FIVE THOUSAND DOLLARS
(Per Force Account) Words

SUBTOTAL
SALES TAX 10.4%
SUBTOTAL
_____ (Total Amount of Bid in Words)

Requested number of additional calendar days for completing the work identified in this change order proposal:_____

1. The quantities for proposed unit prices are approximate only and are subject to either increase or decrease and are stated only for the purpose of providing a proposal. Any portion or all of these items may be authorized as part of this contract. Should the quantities of any of these items of work be increased or decreased, the Contractor shall perform the work at the unit prices set out herein. Payment will be made based upon actual quantities installed at such unit prices. Actual quantities installed will be determined upon completion of the work.

2. Unit cost proposed amounts shall be shown both in words and figures. In case of discrepancy, the amount shown in words will govern.

EXHIBIT B

PRELIMINARY PRICING PROPOSAL

Enclosure C
Schedule B: North Hill Water Main Replacement

ITEM NO.	APPROXIMATE QUANTITY & UNITS	DESCRIPTION OF ITEM	UNIT PRICE	TOTAL AMOUNT FOR ITEM
B-1	1 LS	Furnish and Install 4th Ave Storm Lateral	14,250.00	14,250.00
Fourteen Thousand two Hundred Fifty Dollars				
(Lump Sum) Words				
B-2	390 LF	Grind HMA Thickened Edge	7.00	2,730.00
Seven Dollars				
(Per Linear Foot) Words				
B-3	590 SY	Unsuitable Foundation Excavation incl. Haul for Roadway	100.00	59,000.00
One Hundred Dollars				
(Per Square Yard) Words				
B-4	2,410 LF	HMA Thickened Edge	7.00	16,870.00
Seven Dollars				
(Per Linear Foot) Words				
B-5	5,900 SY	Planing Bituminous Pavement, 2-inch Depth	6.00	35,400.00
Six Dollars				
(Per Square Yard) Words				
B-6	890 TN	HMA Class ½-inch PG 58H-22 for Pavement Overlay	144.50	128,605.00
One Hundred Fourty Four Dollars				
(Per Ton) Words				
B-7	1 LS	Surface Restoration	12,500.00	12,500.00
Twelve Thousand Five Hundred Dollars				
(Lump Sum) Words				

Enclosure C
Schedule B: North Hill Water Main Replacement

ITEM NO.	APPROXIMATE QUANTITY & UNITS	DESCRIPTION OF ITEM	UNIT PRICE	TOTAL AMOUNT FOR ITEM
B-7	1 FA	Minor Change	$25,000	$25,000

TWENTY-FIVE THOUSAND DOLLARS
(Per Force Account) Words

SUBTOTAL	294,355.00
SALES TAX 10.4%	30,612.92
SUBTOTAL	324,967.92

Three Hundred Twenty Four Thousand Nine Hundred Sixty Seven Dollars and Ninety Two Cents
(Total Amount of Bid in Words)

Requested number of additional calendar days for completing the work identified in this change order proposal: 30

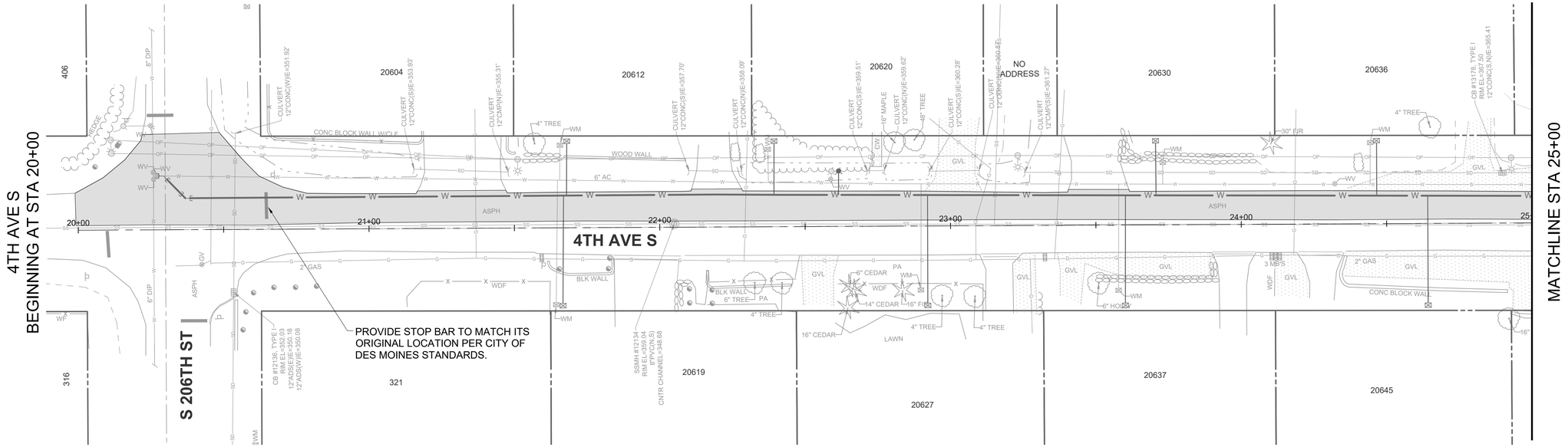
1. The quantities for proposed unit prices are approximate only and are subject to either increase or decrease and are stated only for the purpose of providing a proposal. Any portion or all of these items may be authorized as part of this contract. Should the quantities of any of these items of work be increased or decreased, the Contractor shall perform the work at the unit prices set out herein. Payment will be made based upon actual quantities installed at such unit prices. Actual quantities installed will be determined upon completion of the work.

2. Unit cost proposed amounts shall be shown both in words and figures. In case of discrepancy, the amount shown in words will govern.

EXHIBIT C

PRIOR AUTHORIZED CITY WORK

SW-5-22-4



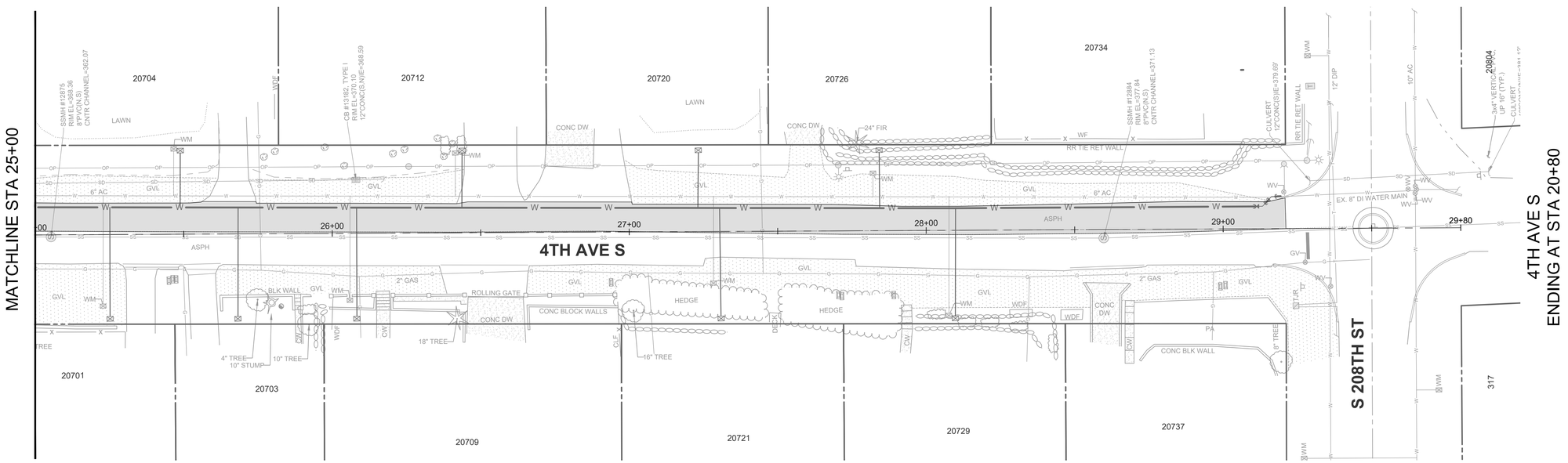
PAVEMENT RESTORATION PLAN - 4TH AVE S (NORTH)

STA 20+00 TO STA 25+00

SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

2-INCH HMA PLANING AND OVERLAY, TYP. PER CITY OF DES MOINES STANDARD DETAIL 7.3
SEE DETAILS P1 AND P2 ON SHEET 21

NOTE: CONTRACTOR TO PROTECT SURVEY MONUMENTS



PAVEMENT RESTORATION PLAN - 4TH AVE S (SOUTH)

STA 25+00 TO STA 29+80

SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

NORTH HILL WATER MAIN REPLACEMENT

HIGHLINE WATER DISTRICT

PAVEMENT RESTORATION PLANS 4TH AVE S

NO.	DATE	REVIEWED BY:	BY	CK
		REVISION		

DATE:

BID SET

CRAIG FRASER CHRISTENSEN
STATE OF WASHINGTON
51063
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: DEFR
DESIGNED BY: NDV
DRAWN BY: SYS

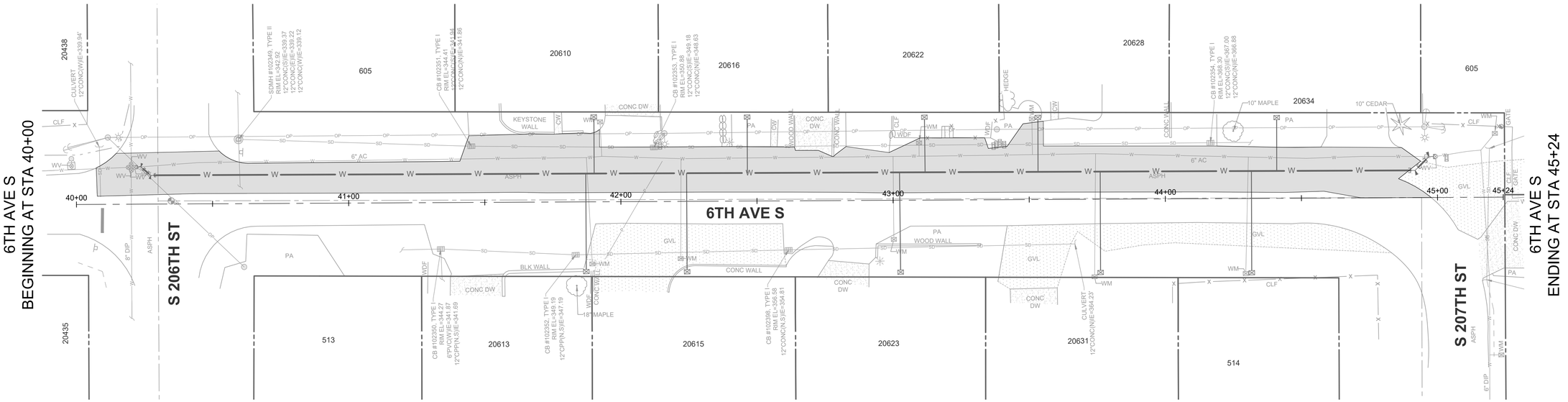
FIRST SUBMITTAL DATE: 3/20/2025

PROJECT NO.
HLWD00000002

SHEET NO. 15 OF 27

C15

Plot Date: 11/21/2025 10:59 AM By: Scott Sticherbinine
Save Date: 11/21/2025 10:10 AM By: Sys File: P:\HLWD\00000002\04000CAD\EC\SHEETS\EC-HLWD00000002-ALL SHEETS.dwg



SCALE

20 0 10 20 40

(FEET)
1 INCH = 20 FT.

PAVEMENT RESTORATION PLAN - 6TH AVE S

STA 40+00 TO STA 45+24

2-INCH HMA PLANING AND OVERLAY, TYP. PER CITY OF DES MOINES STANDARD DETAIL 7.3
SEE DETAILS P1 AND P2 ON SHEET 21

NOTE: CONTRACTOR TO PROTECT SURVEY MONUMENTS

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

NORTH HILL WATER MAIN REPLACEMENT

HIGHLINE WATER DISTRICT

PAVEMENT RESTORATION PLAN 6TH AVE S

NO.	DATE	REVISION	BY	CK

REVIEWED BY:
DATE:

BID SET

CRAIG FRASER CHRISTENSEN
STATE OF WASHINGTON
51063
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: DEFR
DESIGNED BY: NDV
DRAWN BY: SYS

FIRST SUBMITTAL DATE: 3/20/2025

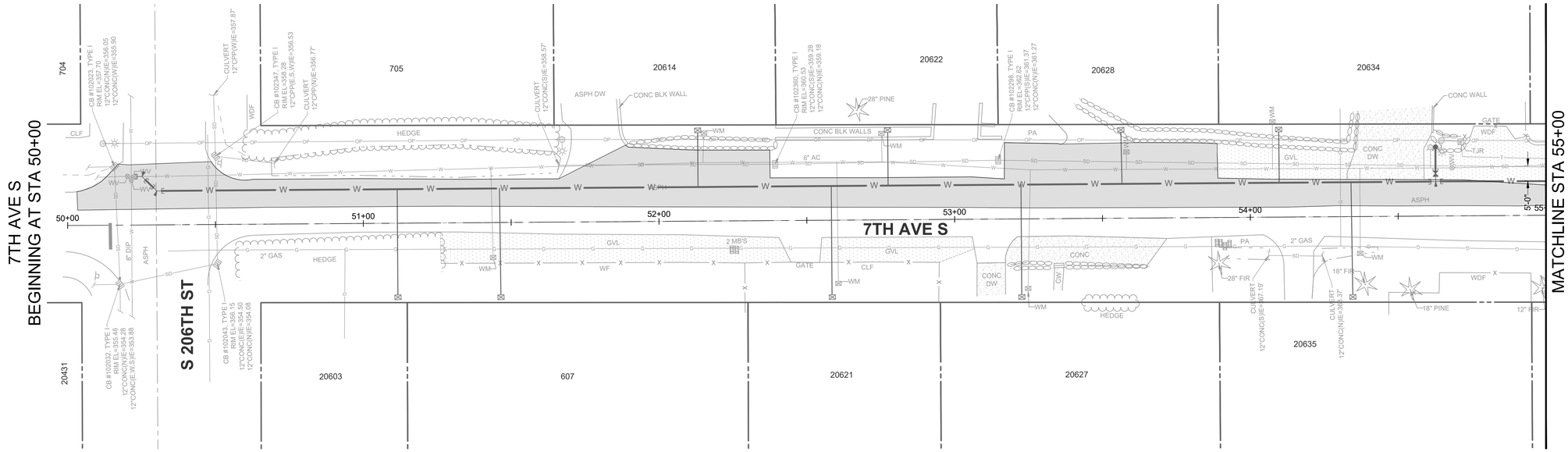
PROJECT NO.
HLWD00000002

SHEET NO. **17** OF **27**

C17

Plot Date: 11/21/2025 11:00 AM By: Scott Sticherbinine
Save Date: 11/21/2025 10:10 AM By: Sys File: P:\HHLWD\00000002\04000CAD\EC\SHEETS\EC-HLWD00000002-ALL SHEETS.dwg

SW-5-22-4



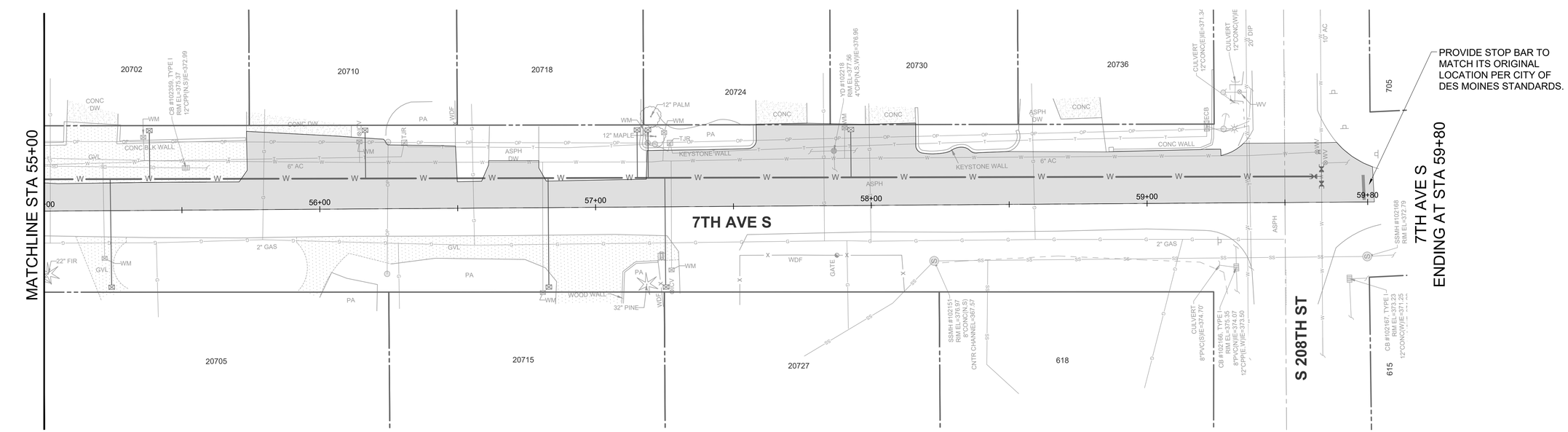
SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

PAVEMENT RESTORATION PLAN - 7TH AVE S (NORTH)

STA 50+00 TO STA 55+00

2-INCH HMA PLANING AND OVERLAY, TYP. PER
CITY OF DES MOINES STANDARD DETAIL 7.3
SEE DETAILS P1 AND P2 ON SHEET 21

NOTE: CONTRACTOR TO PROTECT SURVEY MONUMENTS



SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

PAVEMENT RESTORATION PLAN - 7TH AVE S (SOUTH)

STA 55+00 TO STA 59+80

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

NORTH HILL WATER MAIN REPLACEMENT

HIGHLINE WATER DISTRICT

PAVEMENT RESTORATION PLANS 7TH AVE S

DATE:

NO.	DATE	REVIEWED BY:	BY	CK
1		REVISION		

BID SET

CRAIG FRASER CHRISTENSEN
STATE OF WASHINGTON
51063
REGISTERED
PROFESSIONAL ENGINEER

CHECKED BY: DEFR
DESIGNED BY: NDV
DRAWN BY: SYS

FIRST SUBMITTAL DATE: 3/20/2025

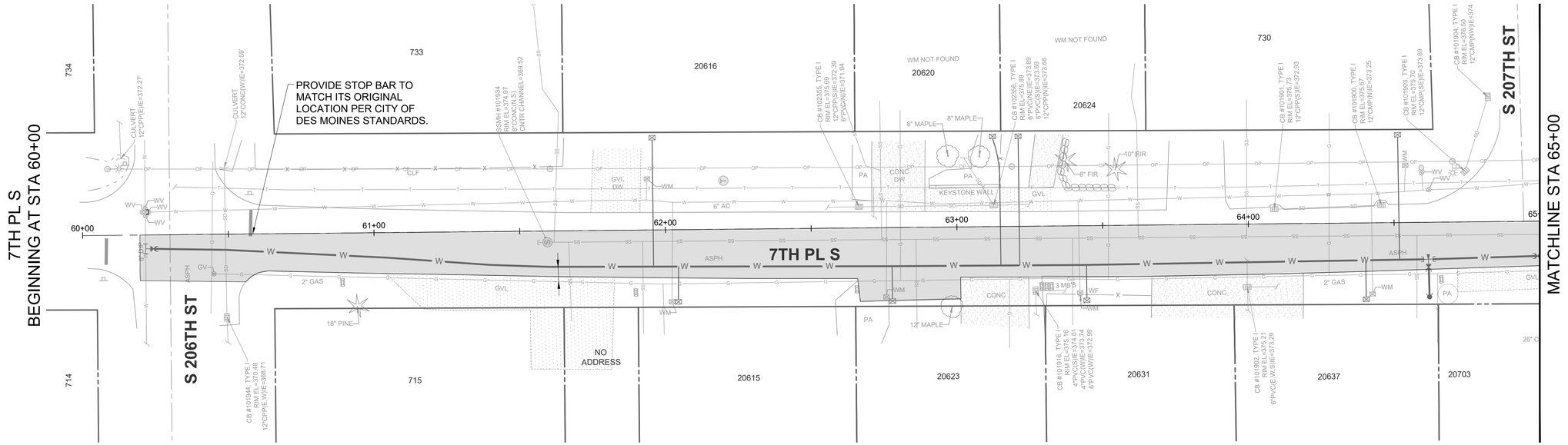
PROJECT NO.
HLWD00000002

SHEET NO. 18 OF 27

C18

Plot Date: 11/21/2025 11:00 AM By: Scott Sticherbinine
Save Date: 11/21/2025 10:10 AM By: Sys File: P:\HLWD\00000002\04000CAD\EC\SHEETS\EC-HLWD00000002-ALL SHEETS.dwg

SW-5-22-4

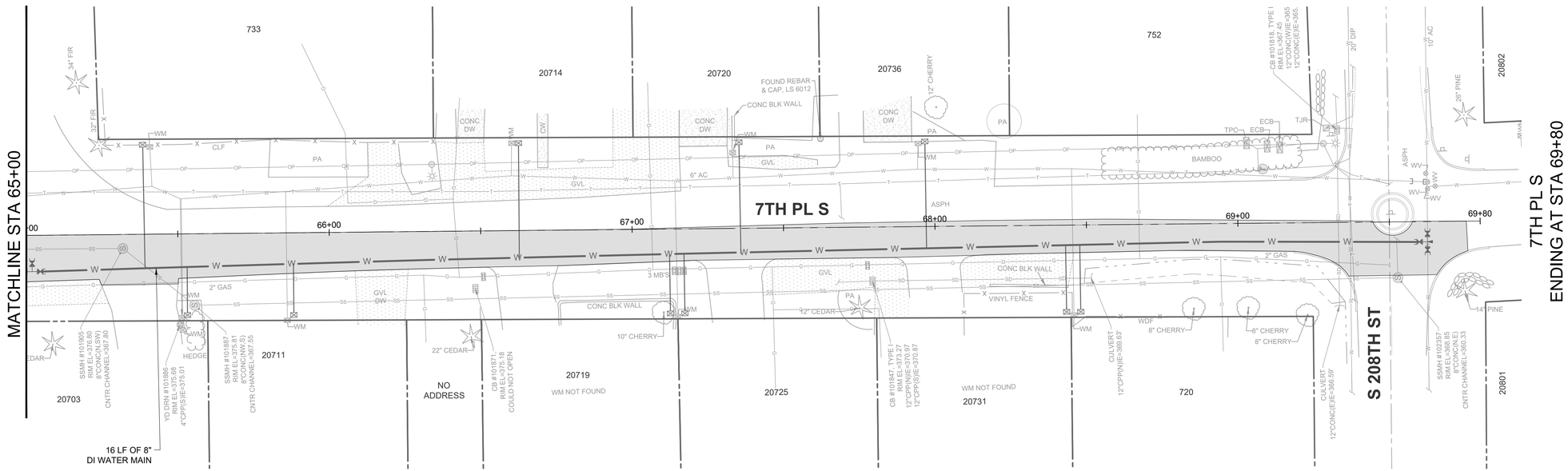


SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

PAVEMENT RESTORATION PLAN - 7TH PL S (NORTH)
STA 60+00 TO STA 65+00

2-INCH HMA PLANING AND OVERLAY, TYP. PER CITY OF DES MOINES STANDARD DETAIL 7.3
SEE DETAILS P1 AND P2 ON SHEET 21

NOTE: CONTRACTOR TO PROTECT SURVEY MONUMENTS



SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

PAVEMENT RESTORATION PLAN - 7TH PL S (SOUTH)
STA 65+00 TO STA 69+80

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

NORTH HILL WATER MAIN REPLACEMENT

HIGHLINE WATER DISTRICT

PAVEMENT RESTORATION PLANS 7TH PL S

NO.	DATE	REVIEWED BY:	BY	CK
1		REVISION	DATE:	

BID SET

CRAIG FRASER CHRISTENSEN
STATE OF WASHINGTON
51063
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: DEFR
DESIGNED BY: NDV
DRAWN BY: SYS

FIRST SUBMITTAL DATE: 3/20/2025

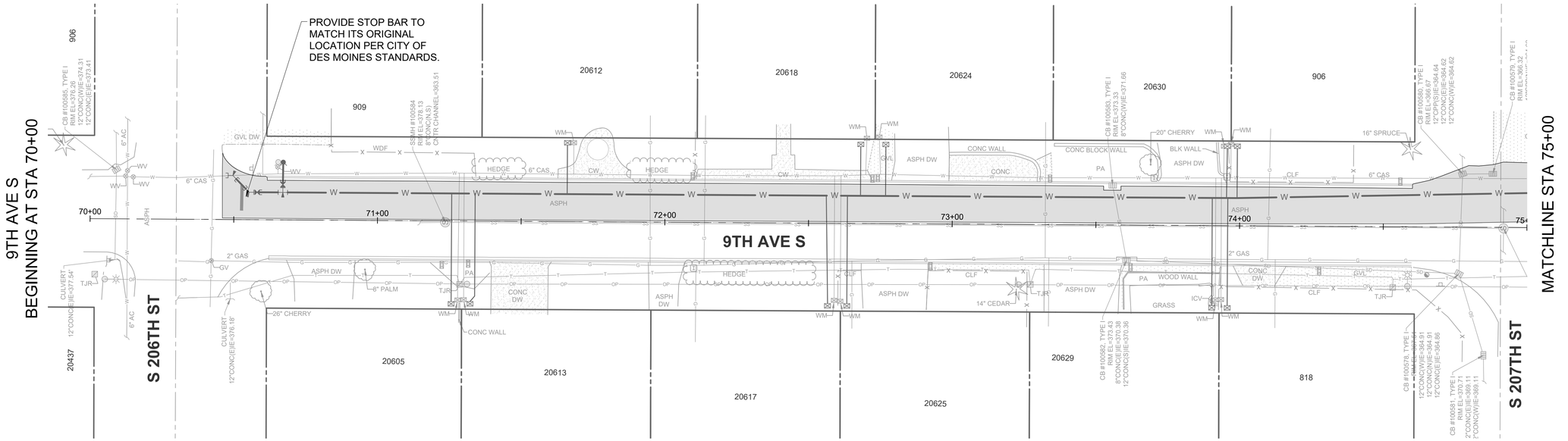
PROJECT NO.
HLWD00000002

SHEET NO. 19 OF 27

C19

Plot Date: 11/21/2025 11:00 AM By: Scott Sticherbrinne
Save Date: 11/21/2025 10:10 AM By: Sys File: P:\HLWD\00000002\04000CAD\EC\SHEETS\EC-HLWD00000002-ALL SHEETS.dwg

SW-5-22-4



PAVEMENT RESTORATION PLAN - 9TH AVE S (NORTH)

STA 70+00 TO STA 75+00

SCALE

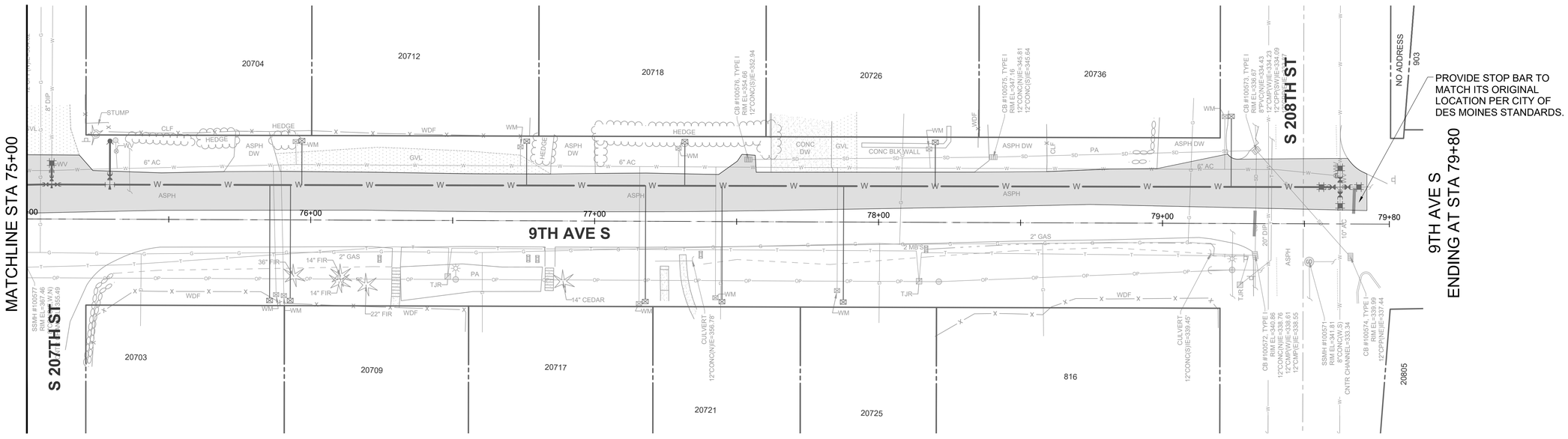
20 0 10 20 40

(FEET)

1 INCH = 20 FT.

2-INCH HMA PLANING AND OVERLAY, TYP. PER CITY OF DES MOINES STANDARD DETAIL 7.3 SEE DETAILS P1 AND P2 ON SHEET 21

NOTE: CONTRACTOR TO PROTECT SURVEY MONUMENTS



PAVEMENT RESTORATION PLAN - 9TH AVE S (SOUTH)

STA 75+00 TO STA 79+80

SCALE

20 0 10 20 40

(FEET)

1 INCH = 20 FT.

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

NORTH HILL WATER MAIN REPLACEMENT

HIGHLINE WATER DISTRICT

PAVEMENT RESTORATION PLANS 9TH AVE S

NO.	DATE	REVISION	BY	CK

DATE:

REVIEWED BY:

BID SET

CRAIG FRASER CHRISTENSEN
STATE OF WASHINGTON
51063
REGISTERED PROFESSIONAL ENGINEER
3/21/25

CHECKED BY: DEFR
DESIGNED BY: NDV
DRAWN BY: SYS

FIRST SUBMITTAL DATE: 3/20/2025

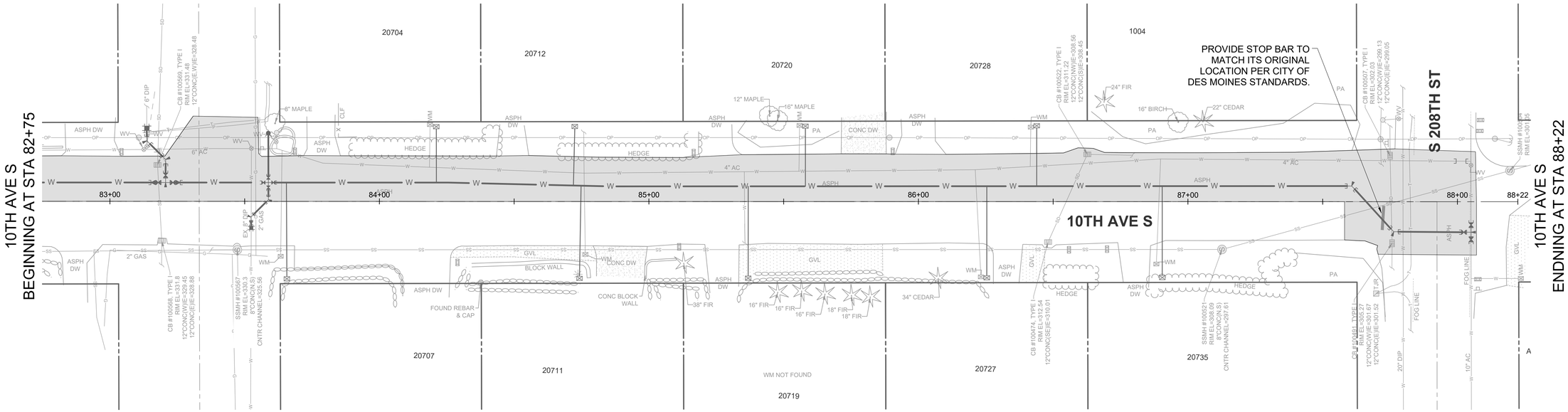
PROJECT NO.
HLWD00000002

SHEET NO. 20 OF 27

C20

Plot Date: 11/21/2025 11:00 AM By: Scott Stcherbinine
Save Date: 11/21/2025 10:10 AM By: Sys File: P:\HHLWD\00000002\0400CAD\EC\SHEETS\EC-HLWD00000002-ALL SHEETS.dwg

SW-5-22-4

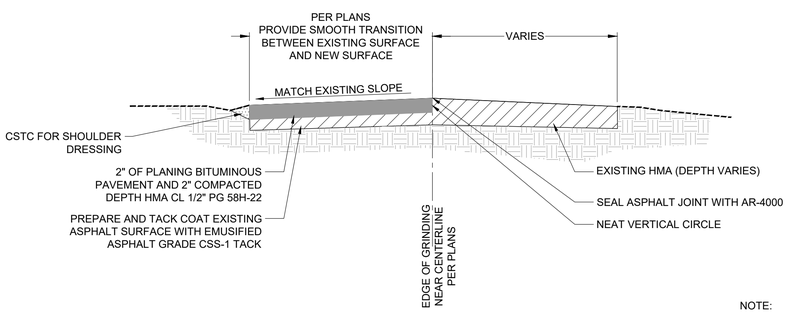


SCALE
20 0 10 20 40
(FEET)
1 INCH = 20 FT.

PAVEMENT RESTORATION PLAN - 10TH AVE S
STA 82+75 TO STA 88+22

2-INCH HMA PLANING AND OVERLAY, TYP. PER CITY OF DES MOINES STANDARD DETAIL 7.3
SEE DETAILS P1 AND P2 ON SHEET 21

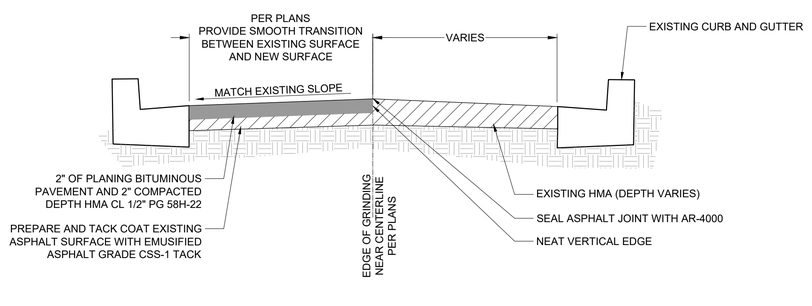
NOTE: CONTRACTOR TO PROTECT SURVEY MONUMENTS



DETAIL P1
TYPICAL ROADWAY OVERLAY SECTION
WITHOUT CURB AND GUTTER

NOTE:

THE CONTRACTOR SHALL FIELD-ESTABLISH FINAL GRINDING LIMITS TO PREVENT PONDING AND TO PROVIDE SMOOTH TRANSITION BETWEEN THE EXISTING AND THE NEW DRIVING SURFACES. FINAL GRINDING LIMITS SHALL BE APPROVED BY THE ENGINEER IN THE FIELD.



DETAIL P2
TYPICAL ROADWAY OVERLAY SECTION
WITH CURB AND GUTTER

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

NORTH HILL WATER MAIN REPLACEMENT
HIGHLINE WATER DISTRICT
PAVEMENT RESTORATION PLAN
10TH AVE S & PAVING DETAILS

NO.	DATE	REVISION	BY	CK

DATE:
REVIEWED BY:

BID SET

CRAIG FRASER CHRISTENSEN
STATE OF WASHINGTON
51063
REGISTERED PROFESSIONAL ENGINEER

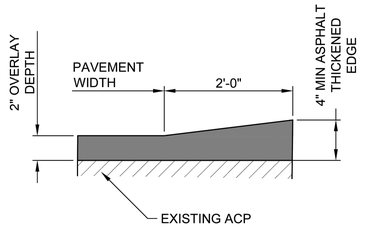
CHECKED BY: DEFR
DESIGNED BY: NDV
DRAWN BY: SYS

FIRST SUBMITTAL DATE: 3/20/2025

PROJECT NO.
HLWD00000002

SHEET NO. **21** OF **27**
C21

Plot Date: 11/21/2025 11:00 AM By: Scott Sticherbinine
Save Date: 11/21/2025 10:10 AM By: Sys File: P:\HLWD\00000002\04000CAD\EC\SHEETS\EC-HLWD00000002-ALL SHEETS.dwg

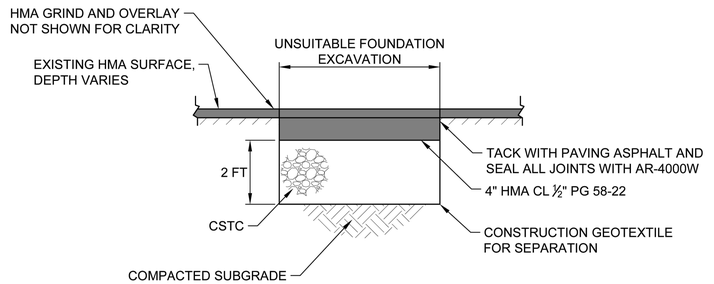


WITH EXISTING EDGE

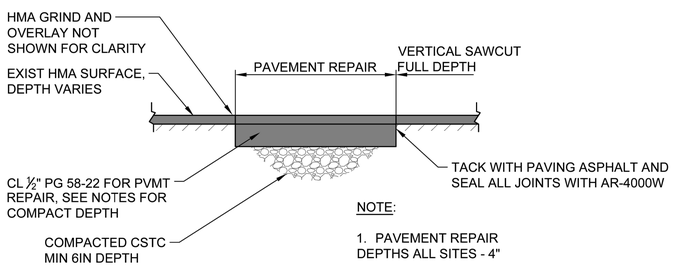
NOTE:

1. HMA THICKENED EDGE WILL BE MEASURED FOR PAYMENT ONLY WHERE NEW THICKENED EDGE IS INSTALLED OR INSTALLED OVER AN EXISTING HMA BERM.

DETAIL P3
HMA THICKENED EDGE



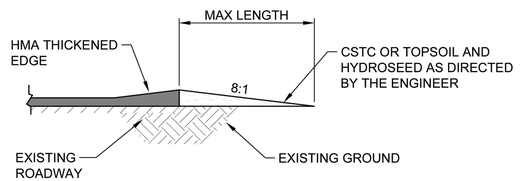
DETAIL P4
UNSUITABLE FOUNDATION EXCAVATION FOR ROADWAY



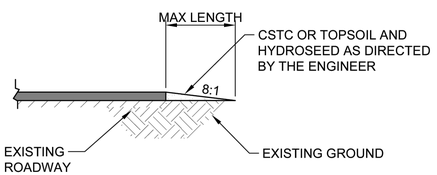
NOTE:

1. PAVEMENT REPAIR DEPTHS ALL SITES - 4"

DETAIL P5
PAVEMENT REPAIR



WITH THICKENED EDGE



WITHOUT THICKENED EDGE

DETAIL P6
SURFACE RESTORATION

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way
Suite 400
Bellevue, WA 98007
425.519.6500

NORTH HILL WATER MAIN REPLACEMENT
HIGHLINE WATER DISTRICT
CITY OF DES MOINES
PAVING DETAILS

NO.	DATE	REVISION	BY	CK

DATE:
REVIEWED BY:

BID SET

DARREL E. FRAME
STATE OF WASHINGTON
39851
REGISTERED PROFESSIONAL ENGINEER
6/25/26

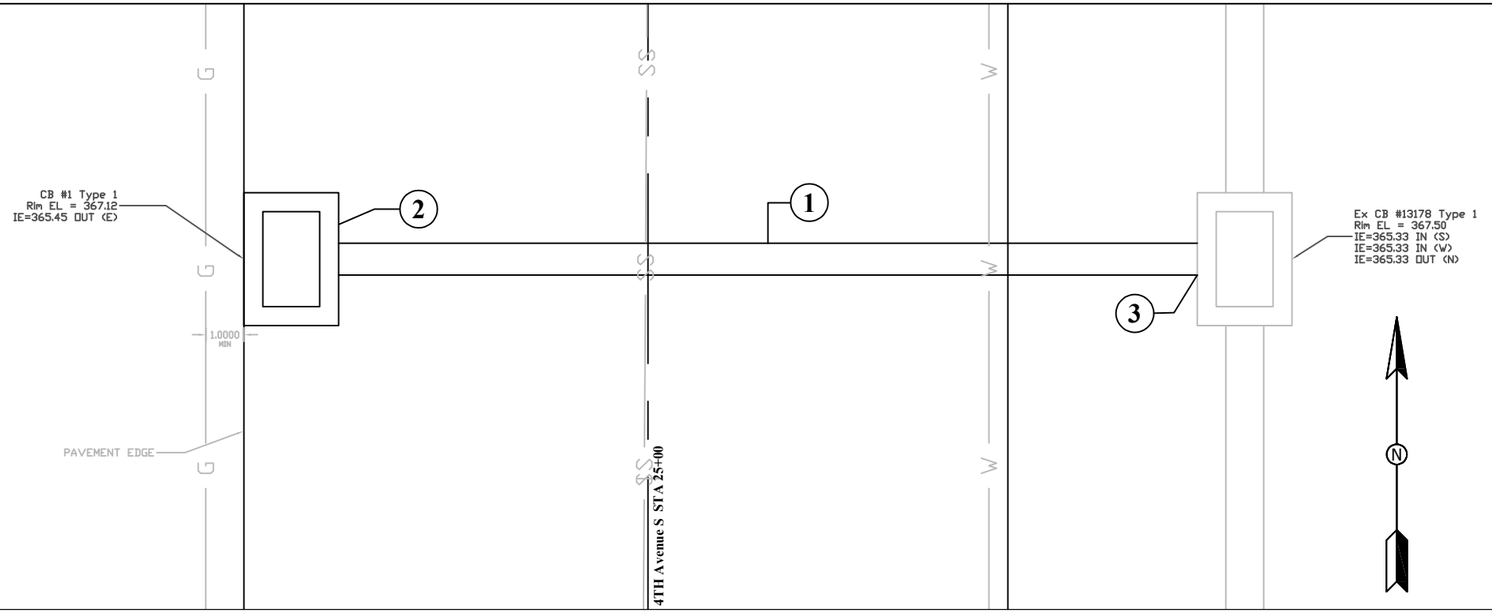
CHECKED BY: DEFR
DESIGNED BY: ALAR
DRAWN BY: SYS

FIRST SUBMITTAL DATE: 6/25/2026

PROJECT NO.
HLWD00000002

SHEET NO. **XX** OF **XX**
XX

Plot Date: 6/25/2026 4:32 PM
Save Date: 6/25/2026 4:17 PM
By: Scott Stcherbinine
By: Sys
File: P:\HLWD\00000002\04000CAD\EC\SHEETS\EC-HLWD00000002-ALL SHEETS.dwg

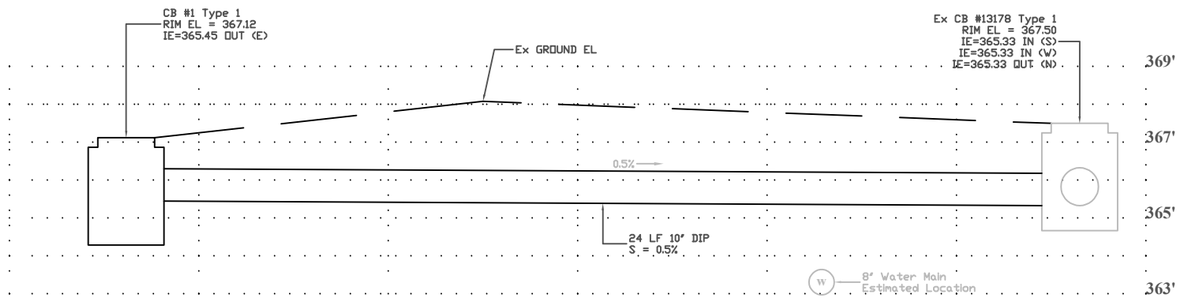


CONSTRUCTION NOTES:

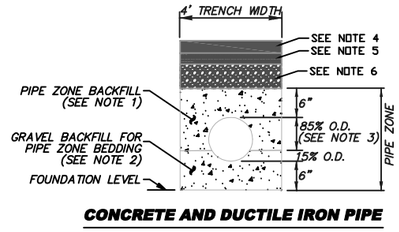
1. INSTALL 10" STORMWATER DUCTILE IRON PIPE INCL. TRENCH RESTORATION PER DETAIL 1
2. INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-03
3. CONNECTION TO DRAINAGE STRUCTURE

GENERAL NOTES:

1. ALL RECTANGULAR CATCH BASIN FRAMES SHALL BE PER WSDOT STD PLAN B-30.10-03
2. RECTANGULAR VANED GRATES PER WSDOT STD PLAN B-30.30-03 TO BE USED ON ALL DRAINAGE STRUCTURES
3. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES



Notes:
1. SEE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 7-08.3(3) FOR PIPE ZONE BACKFILL.
2. SEE STANDARD SPECIFICATIONS SECTION 9-03.12(3) FOR GRAVEL BACKFILL FOR PIPE ZONE BEDDING
3. SEE KCSWDM 4.2.1.1 FOR CLEARANCE BETWEEN PIPES AND OTHER UTILITIES
4. HOT MIX ASPHALT (HMA) CL. 1/2 IN. PG 58H-22, WITH MINIMUM COMPACTED DEPTH OF 4" OR EXISTING PAVEMENT DEPTH PLUS 1", WHICHEVER IS GREATER. PLACE IN LIFTS WITH A MAXIMUM COMPACTED DEPTH OF 2" PER WSDOT STANDARD SPECIFICATION 5-04, AND MACHINE ROLL FLUSH WITH EXISTING PAVEMENT.
5. 5/8" MINUS CRUSHED SURFACING TOP COURSE WITH 4" MINIMUM DEPTH, COMPACTED TO 95% MAXIMUM DENSITY. IF THE EXISTING PAVEMENT DEPTH IS GREATER THAN 8", THE MINIMUM COMPACTED DEPTH OF CRUSHED SURFACING TOP COURSE SHALL BE EQUAL TO THE DEPTH OF THE EXISTING PAVEMENT MINUS 6".
6. EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 2-09 OF THE WSDOT STANDARD SPECIFICATIONS. IMPORTED MATERIAL USED FOR BACKFILL SHALL BE CONSISTENT CRUSHED SURFACE TOP COURSE AS DEFINED IN SECTION 9-03.9 OF THE WSDOT STANDARD SPECIFICATIONS. BACKFILL MATERIAL SHALL BE PLACED IN 1' MAXIMUM LOOSE LIFTS AND COMPACTED TO 95% MAXIMUM DENSITY.



CONCRETE AND DUCTILE IRON PIPE

1

CITY OF DES MOINES

CITY OF DES MOINES
PUBLIC WORKS DEPARTMENT

Surface Water Management
21650 11TH AVENUE SOUTH
DES MOINES, WA 98198

SAILS WITH PRIDE

REVISION	Date	By	Ck

Designed JG	SD1	Sheet Number 1 of 1	Scale: 1in = 4ft (0, 1', 2')
Checked	Drainage Plan and Details		
Approved	4th Ave Storm Lateral		

2026 NORTH HILL AC MAIN RESPLACEMENT PROJECT
ASPHALT RESTORATION LIMITS

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Hemstad Consulting Contract Extension**

ATTACHMENTS:
1. Contract Amendment
2. Consulting Contract

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Legal

DATE SUBMITTED:
August 17, 2026.

CLEARANCES:
Finance

Purpose and Recommendation

The purpose of this agenda item is to seek City Council approval of an extension of the Contract with Hemstad Consulting for the purpose of legislative advocacy and intergovernmental relations on behalf of the City through December of 2028. The following motion will appear on the consent calendar:

Motion: "I move to approve the contract extension with Hemstad Consulting, and authorize the City Manager to sign the Agreement substantially in the form as submitted."

Strategic Plan Priority

Economic Vitality, Financial Stability, Natural and Built Environment, Public Safety.

Background

On an annual basis, the City Council establishes legislative priorities for support or opposition by the City for specific legislative and regulatory proposals forthcoming in the State or Federal legislatures. In an effort to facilitate successful outcomes for these legislative priorities, the City has contracted with Hemstad Consulting to advocate and lobby on the City's behalf.

Discussion

The proposed Agreement will extend the current arrangement with Hemstad Consulting through December 2028. The terms of the agreement will remain largely the same. However, the monthly cost will increase by $350 in 2027 and an additional $275 in

2028. This increase is the first since 2019. The amendment also authorizes the City Manager to seek additional services outside of legislative advocacy on an as-agreed basis. The agreement allows for termination by either party with 30 days notice.

Alternatives
Do not extend the Contract or extend it on a more limited basis. This is not recommended given the success that the City has seen since Hemstad Consulting has been engaged to advocate on the City's behalf.

Financial Impact
Funds for this Agreement will be included in the proposed City budget for 2027-28. The proposed increases are the first since 2019 as the base monthly contract rate has remained the same over that period of time.

Recommendation
Administration recommends approval of the motion.

CONTRACT AMENDMENT 1

CONTRACT FOR CONSULTANT SERVICES BETWEEN THE CITY OF DES MOINES AND HEMSTAD CONSULTING

THIS AMENDMENT is entered into on this _____ day of August, 2026, pursuant to that certain Contract approved by the City Council in October of 2025, between the **CITY OF DES MOINES,** WASHINGTON (hereinafter "City"), and Hemstad Consulting**,** (hereinafter "Consultant").

The parties herein agree that the Contract shall remain in full force and effect, except for the amendments set forth as follows:

1) **SECTION** I of the Contract, Description of Work is hereby amended to add the following language:

> Conduct research and prepare Council materials and presentations on specific topics not related to legislative advocacy, as mutually agreed to with the City Manager. Costs for this service will be invoiced directly and are not included in the monthly compensation rate below.

2) **SECTION** II of the Contract, Time of Completion, is hereby amended to add the following language:

The term of this Contract shall extend through December 31, 2028.

3) **SECTION** III of the Contract, Compensation and Duration, is hereby amended to read as follows:

> The City shall pay the Consultant a flat rate of $6,000 per month for the term of this Contract plus expenses through December 31, 2026. Expenses are capped at no more than $3,500 for this period. The City shall pay the Consultant a flat rate of $6,350 per month for the term January 1, 2027 through December 31, 2027 plus expenses and $6,625 per month for the term January 1, 2028 through December 31, 2028 plus expenses. Expenses are capped on an annual basis at $3,500. Consultant will not charge travel/parking/minor expenses around the Legislative buildings. Mileage for other Des Moines' meetings will be billed at current

IRS standard mileage rates, any other expenses will be billed at actual cost with no mark-up. Expenses beyond mileage need to be approved by the City in advance. At the City's election, this contract may be extended an additional two years with the monthly rate to be adjusted consistent with the inflation rate as determined by the Seattle/Tacoma area CPI-U as measured in June of the prior year.

Except as modified hereby, all terms and conditions of the Contract identified above remain in full force and effect.

IN WITNESS WHEREOF the parties hereto have executed this Addendum as of the date first above written.

Hemstad Consulting:	CITY OF DES MOINES:
By:_____ *(signature)* Print Name:_____ Its_____ *(Title)* DATE:_____	By:_____ *(signature)* Print Name: Katherine Caffrey Its City Manager *(Title)* DATE:_____ Approved as to form: _____ _____ City Attorney Director DATE:_____ DATE: _____
NOTICES TO BE SENT TO: **CONSULTANT:** Anthony R. Hemstad Hemstad Consulting, LLC 130 Sherman St. NW, Olympia, Washington 98502 (253) 335-9163 anthony@hemstad.us	**NOTICES TO BE SENT TO:** **CITY OF DES MOINES:** Katherine Caffrey City of Des Moines 21630 11th Avenue S., Suite A Des Moines, WA 98198 KCaffrey@desmoineswa.gov

CONSULTANT SERVICES CONTRACT between the City of Des Moines and Hemstad Consulting

THIS CONTRACT is made between the City of Des Moines, a Washington municipal corporation (hereinafter the "City"), and Hemstad Consulting organized under the laws of the State of Washington, located and doing business at 130 Sherman St. NW, Olympia, Washington, 98502 (hereinafter the "Consultant").

I. DESCRIPTION OF WORK.

Consultant shall perform the following services for the City in accordance with the following described plans and/or specifications:

Intergovernmental relations on behalf of the City of Des Moines. This will mostly be State Legislative relations as detailed in the annual Council-approved Legislative Agenda.

Consultant will also assist with Congressional appropriations/earmarks and some regional outreach projects as agreed and any other projects as mutually agreed.

Consultant further represents that the services furnished under this Contract will be performed in accordance with generally accepted professional practices within the Puget Sound region in effect at the time those services are performed.

II. TIME OF COMPLETION. The parties agree that work will begin on the tasks described in Section I above immediately upon the effective date of this Contract. Upon the effective date of this Contract, Consultant shall complete the work described in Section I.

III. COMPENSATION and DURATION

A. The City shall pay the Consultant a flat rate of $6,000 per month for the term of this Contract plus expenses. Duration is October 1, 2025 through December 31, 2026, fifteen (15) months total. Expenses are capped at no more than $3,500 for this period. Consultant will not charge travel/parking/minor expenses around the Legislative buildings. Mileage for other Des Moines' meetings will be billed at current IRS standard mileage rates, any other expenses will be billed at actual cost with no mark-up. Expenses beyond mileage need to be approved by the City in advance. The total amount of this contract shall not exceed **$93,500** for the services and expenses described in this Contract unless this Agreement is amended. This is the maximum amount to be paid under this Contract for the work described in Section I above and shall not be exceeded without the prior written authorization of the City in the form of a negotiated and executed amendment to this Contract. The Consultant agrees that the amount budgeted for as set forth in Section I for

its services contracted for herein shall remain locked at the negotiated rate(s) for a period of fifteen (15) months from the effective date of this Contract. The contract can be extended on mutual written approval.

B. The Consultant shall submit monthly payment invoices to the City for work performed, and a final bill upon completion of all services described in this Contract. The City shall provide payment within thirty (30) days of receipt of an invoice. If the City objects to all or any portion of an invoice, it shall notify the Consultant and reserves the option to only pay that portion of the invoice not in dispute. In that event, the parties will immediately make every effort to settle the disputed portion.

IV. INDEPENDENT CONTRACTOR. The parties intend that an Independent Contractor-Employer Relationship will be created by this Contract and that the Consultant has the ability to control and direct the performance and details of its work; however, the City shall have authority to ensure that the terms of the Contract are performed in the appropriate manner.

V. CHANGES. The City may issue a written change order for any change in the Contract work during the performance of this Contract. If the Consultant determines, for any reason, that a change order is necessary, Consultant must submit a written change order request to the person listed in the notice provision section of this Contract, section XVI(C), within fourteen (14) calendar days of the date Consultant knew or should have known of the facts and events giving rise to the requested change. If the City determines that the change increases or decreases the Consultant's costs or time for performance, the City will make an equitable adjustment. The City will attempt, in good faith, to reach agreement with the Consultant on all equitable adjustments. However, if the parties are unable to agree, the City will determine the equitable adjustment as it deems appropriate. The Consultant shall proceed with the change order work upon receiving either a written change order from the City or an oral order from the City before actually receiving the written change order. If the Consultant fails to require a change order within the time specified in this paragraph, the Consultant waives its right to make any claim or submit subsequent change order requests for that portion of the contract work. If the Consultant disagrees with the equitable adjustment, the Consultant must complete the change order work; however, the Consultant may elect to protest the adjustment as provided in subsections A through E of Section VI, Claims, below.

The Consultant accepts all requirements of a change order by: (1) endorsing it, (2) writing a separate acceptance, or (3) not protesting in the way this section provides. A change order that is accepted by Consultant as provided in this section shall constitute full payment and final settlement of all claims for contract time and for direct, indirect and consequential costs, including costs of delays related to any work, either covered or affected by the change.

VI. CLAIMS. If the Consultant disagrees with anything required by a change order, another written order, or an oral order from the City, including any direction, instruction, interpretation, or determination by the City, the Consultant may file a claim as provided in this section. The Consultant shall give written notice to the City of all claims within fourteen (14) calendar days of the occurrence of the events giving rise to the claims,

or within fourteen (14) calendar days of the date the Consultant knew or should have known of the facts or events giving rise to the claim, whichever occurs first. Any claim for damages, additional payment for any reason, or extension of time, whether under this Contract or otherwise, shall be conclusively deemed to have been waived by the Consultant unless a timely written claim is made in strict accordance with the applicable provisions of this Contract.

At a minimum, a Consultant's written claim shall include the information set forth in subsections A, items 1 through 5 below.

FAILURE TO PROVIDE A COMPLETE, WRITTEN NOTIFICATION OF CLAIM WITHIN THE TIME ALLOWED SHALL BE AN ABSOLUTE WAIVER OF ANY CLAIMS ARISING IN ANY WAY FROM THE FACTS OR EVENTS SURROUNDING THAT CLAIM OR CAUSED BY THAT DELAY.

A. Notice of Claim. Provide a signed written notice of claim that provides the following information:

1. The date of the Consultant's claim;
2. The nature and circumstances that caused the claim;
3. The provisions in this Contract that support the claim;
4. The estimated dollar cost, if any, of the claimed work and how that estimate was determined; and
5. An analysis of the progress schedule showing the schedule change or disruption if the Consultant is asserting a schedule change or disruption.

B. Records. The Consultant shall keep complete records of extra costs and time incurred as a result of the asserted events giving rise to the claim. The City shall have access to any of the Consultant's records needed for evaluating the protest.

The City will evaluate all claims, provided the procedures in this section are followed. If the City determines that a claim is valid, the City will adjust payment for work or time by an equitable adjustment. No adjustment will be made for an invalid protest.

C. Consultant's Duty to Complete Protested Work. In spite of any claim, the Contractor shall proceed promptly to provide the goods, materials and services required by the City under this Contract.

D. Failure to Protest Constitutes Waiver. By not protesting as this section provides, the Consultant also waives any additional entitlement and accepts from the City any written or oral order (including directions, instructions, interpretations, and determination).

E. Failure to Follow Procedures Constitutes Waiver. By failing to follow the procedures of this section, the Consultant completely waives any claims for protested work and accepts from the City any written or oral order (including directions, instructions, interpretations, and determination).

VII. LIMITATION OF ACTIONS. CONSULTANT MUST, IN ANY EVENT, FILE ANY LAWSUIT ARISING FROM OR CONNECTED WITH THIS CONTRACT WITHIN 120 CALENDAR DAYS FROM THE DATE THE CONTRACT WORK IS COMPLETE OR CONSULTANT'S ABILITY TO FILE THAT CLAIM OR SUIT SHALL BE FOREVER BARRED. THIS SECTION FURTHER LIMITS ANY APPLICABLE STATUTORY LIMITATIONS PERIOD.

VIII. TERMINATION. Either party may terminate this Contract, with or without cause, upon providing the other party thirty (30) days written notice at its address set forth on the signature block of this Contract. After termination, the City may take possession of all records and data within the Consultant's possession pertaining to this project, which may be used by the City without restriction. If the City's use of Consultant's records or data is not related to this project, it shall be without liability or legal exposure to the Consultant.

IX. DISCRIMINATION. In the hiring of employees for the performance of work under this Contract or any subcontract, the Consultant, its subcontractors, or any person acting on behalf of the Consultant or subcontractor shall not, by reason of race, religion, color, sex, age, sexual orientation, national origin, or the presence of any sensory, mental, or physical disability, discriminate against any person who is qualified and available to perform the work to which the employment relates.

X. INDEMNIFICATION. Consultant shall defend, indemnify and hold the City, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of the Consultant in performance of this Agreement, except for injuries and damages caused by the sole negligence of the City.

The City's inspection or acceptance of any of Consultant's work when completed shall not be grounds to avoid any of these covenants of indemnification.

Should a court of competent jurisdiction determine that this Contract is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Consultant and the City, its officers, officials, employees, and volunteers, the Consultant's liability, including the duty and cost to defend, hereunder shall be only to the extent of the Consultant's negligence.

IT IS FURTHER SPECIFICALLY AND EXPRESSLY UNDERSTOOD THAT THE INDEMNIFICATION PROVIDED HEREIN CONSTITUTES THE CONSULTANT'S WAIVER OF IMMUNITY UNDER INDUSTRIAL INSURANCE, TITLE 51 RCW, SOLELY FOR THE PURPOSES OF THIS INDEMNIFICATION. THE PARTIES FURTHER ACKNOWLEDGE THAT THEY HAVE MUTUALLY NEGOTIATED THIS WAIVER.

The provisions of this section shall survive the expiration or termination of this Contract.

XI. INSURANCE. The Consultant shall procure and maintain for the duration of the Contract, insurance against claims for injuries to persons or damage to property

which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees.

XII. EXCHANGE OF INFORMATION. The City will provide its best efforts to provide reasonable accuracy of any information supplied by it to Consultant for the purpose of completion of the work under this Contract.

XIII. OWNERSHIP AND USE OF RECORDS AND DOCUMENTS. Original documents, drawings, designs, reports, or any other records developed or created under this Contract shall belong to and become the property of the City. All records submitted by the City to the Consultant will be safeguarded by the Consultant. Consultant shall make such data, documents, and files available to the City upon the City's request. The City's use or reuse of any of the documents, data and files created by Consultant for this project by anyone other than Consultant on any other project shall be without liability or legal exposure to Consultant.

XIV. CITY'S RIGHT OF INSPECTION. Even though Consultant is an independent contractor with the authority to control and direct the performance and details of the work authorized under this Contract, the work must meet the approval of the City and shall be subject to the City's general right of inspection to secure satisfactory completion.

XV. WORK PERFORMED AT CONSULTANT'S RISK. Consultant shall take all necessary precautions and shall be responsible for the safety of its employees, agents, and subcontractors in the performance of the contract work and shall utilize all protection necessary for that purpose. All work shall be done at Consultant's own risk, and Consultant shall be responsible for any loss of or damage to materials, tools, or other articles used or held for use in connection with the work.

XVI. MISCELLANEOUS PROVISIONS.

A. Non-Waiver of Breach. The failure of the City to insist upon strict performance of any of the covenants and agreements contained in this Contract, or to exercise any option conferred by this Contract in one or more instances shall not be construed to be a waiver or relinquishment of those covenants, agreements or options, and the same shall be and remain in full force and effect.

B. Resolution of Disputes and Governing Law.

1. Alternative Dispute Resolution. If a dispute arises from or relates to this Contract or the breach thereof and if the dispute cannot be resolved through direct discussions, the parties agree to endeavor first to settle the dispute in an amicable manner by mediation administered by a mediator under JAMS Alternative Dispute Resolution service rules or policies before resorting to arbitration. The mediator may be selected by agreement of the parties or through JAMS. Following mediation, or upon written agreement of the parties to waive mediation, any unresolved controversy or claim arising from or relating to this Contract or breach thereof shall be settled through arbitration which shall be conducted under JAMS rules or policies. The arbitrator may be selected by agreement of the parties or through JAMS. All fees and expenses for mediation or arbitration shall be borne by the

parties equally. However, each party shall bear the expense of its own counsel, experts, witnesses, and preparation and presentation of evidence.

2. Applicable Law and Jurisdiction. This Contract shall be governed by the laws of the State of Washington. Although the agreed to and designated primary dispute resolution method as set forth above, in the event any claim, dispute or action arising from or relating to this Contract cannot be submitted to arbitration, then it shall be commenced exclusively in the King County Superior Court or the United States District Court, Western District of Washington as appropriate. In any claim or lawsuit for damages arising from the parties' performance of this Agreement, each party shall pay all its legal costs and attorney's fees incurred in defending or bringing such claim or lawsuit, in addition to any other recovery or award provided by law; provided, however, nothing in this paragraph shall be construed to limit the City's right to indemnification under Section X of this Contract.

C. Written Notice. All communications regarding this Contract shall be sent to the parties at the addresses listed on the signature page of this Contract, unless notified to the contrary. Any written notice hereunder shall become effective three (3) business days after the date of mailing by registered or certified mail, and shall be deemed sufficiently given if sent to the addressee at the address stated in this Contract or such other address as may be hereafter specified in writing.

D. Assignment. Any assignment of this Contract by either party without the written consent of the non-assigning party shall be void. If the non-assigning party gives its consent to any assignment, the terms of this Contract shall continue in full force and effect and no further assignment shall be made without additional written consent.

E. Modification. No waiver, alteration, or modification of any of the provisions of this Contract shall be binding unless in writing and signed by a duly authorized representative of the City and Consultant.

F. Entire Contract. The written provisions and terms of this Contract, together with any Exhibits attached hereto, shall supersede all prior verbal statements of any officer or other representative of the City, and such statements shall not be effective or be construed as entering into or forming a part of or altering in any manner this Contract. All of the above documents are hereby made a part of this Contract. However, should any language in any of the Exhibits to this Contract conflict with any language contained in this Contract, the terms of this Contract shall prevail.

G. Compliance with Laws. The Consultant agrees to comply with all federal, state, and municipal laws, rules, and regulations that are now effective or in the future become applicable to Consultant's business, equipment, and personnel engaged in operations covered by this Contract or accruing out of the performance of those operations.

H. Business License. Contractor shall comply with the provisions of Title 5 Chapter 5.04 of the Des Moines Municipal Code.

I. Counterparts. This Contract may be executed in any number of counterparts, each of which shall constitute an original, and all of which will together constitute this one Contract.

J. Records Retention and Audit. During the progress of the Work and for a period not less than three (3) years from the date of completion of the Work or for the retention period required by law, whichever is greater, records and accounts pertaining to the Work and accounting therefore are to be kept available by the Parties for inspection and audit by representatives of the Parties and copies of all records, accounts, documents, or other data pertaining to the Work shall be furnished upon request. Records and accounts shall be maintained in accordance with applicable state law and regulations.

IN WITNESS, the parties below execute this Contract, which shall become effective on the last date entered below.

CONSULTANT:	**CITY OF DES MOINES:**
By: _____ Anthony R. Hemstad Its Principal DATE: 2/23/26	By: _____ *(signature)* Print Name: Katherine Caffrey Its City Manager *(Title)* DATE: 02/17/2026 Approved as to form: /s/ Tim George City Attorney DATE: 02/09/2026

NOTICES TO BE SENT TO: **CONSULTANT:**	**NOTICES TO BE SENT TO:** **CITY OF DES MOINES:**
Anthony R. Hemstad Hemstad Consulting, LLC 130 Sherman St. NW, Olympia, Washington 98502 (253) 335-9163 anthony@hemstad.us	Katherine Caffrey City of Des Moines 21630 11th Avenue S., Suite A Des Moines, WA 98198 (206) 870-6554 kcaffrey@desmoineswa.gov

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Citizens Advisory Board Appointment**

ATTACHMENTS:
1. Philip Mendoza Application

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Administration

DATE SUBMITTED:
August 14, 2026

CLEARANCES:

Purpose and Recommendation

The purpose of this agenda item is to recommend that the Council approve the Mayor's appointment to the open Business Neighborhood seat on the Citizens Advisory Board.

Motion: "I move to confirm the appointment of Philip Mendoza to the Citizens Advisory Board as the Business representative, effective immediately with an expiration date of June 30, 2027."

Background

The Des Moines City Council created the Citizens Advisory Board to allow citizens, neighborhoods and businesses to engage as broadly as possible in the discussion and resolution of issues and concerns that directly affect them. The City Council feels that the Citizens Advisory Committee will improve communication with and participate in local government on the part of residents, neighborhoods, businesses and property owners in the City of Des Moines and create a more robust discussion of issues and matters facing the City, ultimately resulting in better decisions and solutions to problems.

Discussion

Under DMMC 4.24.040(1), members of appointive committees are appointed by the Mayor and must be confirmed by a majority of the City Council. If the Council confirms the Mayoral appointments, this would just leave the Pacific Ridge neighborhood seat as yet unfilled. Staff will continue to compile submitted applications for the open seat for the Mayor's review, appointment, and Council vote on confirmation.

Alternatives
Council may choose not to confirm the Mayor's appointments and request alternative candidates.

Financial Impact
There is no anticipated financial impact if these Citizens Advisory Board appointments are confirmed.

CITY OF DES MOINES
APPLICATION FOR CITIZENS ADVISORY BOARD
21630 11th Avenue South
Des Moines, WA 98198

Recvd._____

Please Check

NAME: Philip Mendoza
ADDRESS: [redacted]
CITY/ZIP: [redacted]
PHONE: Home [redacted] Work _____
LENGTH OF RESIDENCE AT THE ABOVE ADDRESS 6 years
REGISTERED VOTER? Yes
E-MAIL ADDRESS: [redacted]

- [x] Business
- [ ] Central Des Moines
- [x] Marina District
- [ ] North Central
- [ ] Pacific Ridge
- [ ] Redondo
- [ ] South Des Moines
- [ ] Woodmont
- [ ] Zenith

EMPLOYMENT SUMMARY LAST FIVE YEARS: Owner of Second Love Coffee, a Des Moines coffee roaster since 2024. Before starting a business in Des Moines, I did training and logistics at Slayer Espresso, a Washington based espresso manufacturer in Renton, WA

Are you related to anyone presently employed by the City or a member of a City Board? No
If yes, explain: _____

Do you currently have an owning interest in either real property (other than your primary residence or a business) in the Des Moines planning area? Yes if so, please describe: I currently own a business in Des Moines, Second Love Coffee, in the Des Moines theater. I also own a home in Des Moines.

IN ORDER FOR THE APPOINTING AUTHORITY TO FULLY EVALUATE YOUR QUALIFICATIONS FOR THIS POSITION, PLEASE ANSWER THE FOLLOWING QUESTIONS USING A SEPARATE PAPER IF NECESSARY.

1. Why do you wish to serve in this capacity and what can you contribute? As a business owner and resident of Des Moines, I would like to be a positive voice on this board to grow opportunities for small businesses and continue the work of making the downtown of Des Moines a place where people are excited to visit and be proud they are a part of. Customers often mention that "Des Moines has been waiting for a place like Second Love" and that "They would like to see more growth like Second Love [in Des Moines]. I would like to contribute our direct experiences and ideas from owning a business in Des Moines to continue the growth that people would like to see.

2. What problems, programs or improvements are you most interest in? I am most interested in the development of the Des Moines downtown area, including: Making the downtown more walkable. Finding creative and interesting ways to bring the public to our downtown area where they will be excited at what is around and will want to come back again.

3. Please list any Des Moines elective/appointive offices you have run/applied for previously: _____

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Marina Steps Innovative Stormwater Bioretention Testing, Grant and Consultant Contract Amendments**

ATTACHMENTS:
1. National Estuary Program Grant Amendment #1
2. On-Call General Civil Engineering Services, Posmas, Inc. Task Assignment 2025-016 Amendment #2

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Public Works

DATE SUBMITTED:
August 14th, 2026

CLEARANCES:
Public Works
Finance

Purpose and Recommendation

The purpose of this agenda item is for City Council to seek approval of the Puget Sound National Estuary Program (NEP) Grant Amendment #1 (Attachment 1) and approval of the 2024-2025 On-Call General Civil Engineering Services Task Assignment 2025-016 Amendment #2 with Psomas, Inc. (Attachment 2) to fund and support the Marina Steps Innovative Stormwater Bioretention Testing project.

Motion 1: "I move to authorize the acceptance of the Puget Sound National Estuary Program Grant Amendment #1 for the Marina Steps Innovative Stormwater Bioretention Testing project in the amended amount of $548,386.00 and authorize the City Manager to sign the State funding agreement when it is available."

Motion 2: "I move to approve the 2024-2025 On-Call General Civil Engineering Services Task Assignment 2025-016 Amendment #2 with Psomas, Inc. to provide stormwater bioretention testing and reporting in association with the Marina Steps Innovative Stormwater Bioretention Testing project in the amended amount not to exceed $263,323.07 and authorize the City Manager to sign said Task Assignment substantially in the form as submitted."

Strategic Plan Priority
Natural and Built Environment

Background
As part of the larger Marina Steps effort, the City received notice of award for a Puget Sound National Estuary Program (NEP) grant, which supports the construction and testing of innovative stormwater treatment methods for priority pollutants. The City Council authorized acceptance of this grant funding, in the amount of $560,407.00, at its October 23, 2025, meeting. Following this, City Council, during the December 11, 2025, meeting, authorized the on-call general engineering services task assignment with Psomas in the amount of $214,607.00 to support the Innovative Stormwater Bioretention Testing project. Amendment #1 of the task assignment initiated on April 15, 2026, authorizing the use of the $25,000.00 set aside as Management Reserve for the procurement and selection of bioretention media.

The grant project will evaluate three water-quality facilities built by the Marina Steps project for the removal efficiency of both existing and emerging treatment approaches on target pollutants from a 30-acre drainage basin. Target pollutants include 6PPD-Q, polychlorinated biphenyls (PCBs), and metals. Sampling and analysis of pollutant levels will occur during storm events at locations upstream and downstream of treatment. The results will inform future stormwater management strategies in Des Moines and throughout the greater Puget Sound region.

On September 9, 2025, staff advertised the Marina Steps project for bid solicitation, and bids were opened on October 9, 2025. The public works construction contract was approved by the City Council on October 23, 2025. Construction began in January 2026 and is expected to be completed by January 2027.

After construction had begun, Department of Ecology grant administers confirmed that due to the grant funds coming from a Federal source, the entire Marina Steps project would be required to meet federal project requirements. The original assumption was that federal requirements would only affect the bioretention portion of the project. Federalization of the entire Marina Steps project presented the project team with a difficult scenario of increased construction costs due to these unanticipated construction requirements and procedures.

Discussion
Puget Sound National Estuary Program Grant Amendment #1
Amendment #1 of the of NEP Grant removes the construction costs of the Bioretention cells from the grant award. By removing these costs, it eliminates the concern of federalizing the entire Marina Steps project. Marina Steps project contingency has enough funding to absorb these costs, approximately $157,000.00 plus applicable sales tax. With additional available grant funding the grant is also being restructured to adjust and include the following items:

- Document revisions and Engineering in the amount of $41,726

- Additional Nutrient Sampling in the amount of $34,634
- Educational Signage in the amount of $71,076
- Bioretention Media costs in the amount of $115,888

The total net change of the Grant Award is a reduction of $12,021.00. Further details can be found in the Amended NEP Grant (Attachment 1).

Psomas, Inc. Task Assignment 2025-016 Amendment #2
To align with the Grant amendment, it is proposed to expand the Psomas scope of work with a task assignment amendment. The amended scope of work for Psomas, Inc (Attachment 2) includes: development of a Quality Assurance Project Plan (QAPP), cultural resource review, expanded baseline pollutant testing, effectiveness sampling, preparation of a results memorandum, educational signage, and bioretention media development and delivery.

Alternatives
(Motion 1) – NEP Grant Amendment
The City Council could elect not to approve the Grant Amendment. This could make the Innovative Stormwater Bioretention Testing project no longer viable under the current grant scope and could place future Ecology grants at risk.

(Motion 2) – Psomas Scope Amendment
The City Council could elect not to approve the Task Assignment Amendment with Psomas, Inc. for stormwater bioretention testing and reporting. The City does not have adequate resources or staffing to perform these services. The NEP grant funding could be forfeited if the City cannot fulfill the testing and reporting portion of the grant requirements.

Financial Impact
The City's CIP budget for the Marina Steps has sufficient funds to fully fund the bioretention cell construction. The amended Grant funding provided through the Ecology NEP grant will fully cover the Psomas scope of services outlined in the amended Task Assignment.

Recommendation
Staff recommends adoption of the motions as written above.

PUGET SOUND
National Estuary Program

STATEMENT OF WORK

Stormwater Strategic Initiative Lead (SIL)

Project Name: **City of Des Moines Marina Steps Innovative Stormwater BMPs**

RECIPIENT Organization: City of Des Moines
Recipient Specific Organization Info
Statewide Vendor#: SWV0000307
UBI: 600-016-906
Federal Tax ID: 91-6016496
Indirect Rate: 30%

RECIPIENT Contacts:
Project Manager: Tyler Beekley, TBeekley@desmoineswa.gov, 206-870-6869
Authorized Signatory: Katherine Caffrey, KCaffrey@desmoineswa.gov
Other Signatories: N/A
Fiscal Office: Jackson Sweigart, JSweigart@desmoineswa.gov

Stormwater Strategic Initiative Lead (SIL) Grant Contacts:
Project Manager (PM): Michelle Myers, mmye461@ecy.wa.gov, 360-628-4067
Financial Manager (FM): Jessica Christensen
Technical Advisor: Hunter Lubin, hlub461@ecy.wa.gov, 360-764-6898

Effective Date: 06/01/2025
Expiration Date: 12/31/2027
Not to Exceed: $548,386

Contract Number/EAGL #	WQNEPSW-2024-DeMSWD-00024
RFP Link	Innovative BMPs
FY Funding	2023
Strategic Initiative	Stormwater
Vital sign links	https://www.psp.wa.gov/evaluating-vital-signs.php
Implementation Strategy alignment	Innovative BMPs
Amount of dollars leveraged	*$13,074,000*
Number of positions supported	0.2 FTE
Project Location: Latitude/Longitude	47.401742,-122.328380

OVERVIEW

Project Short Description (500 characters or less)

This project will design and monitor three soil media types into the City of Des Moines (RECIPIENT) Marina Steps project to evaluate the removal efficiency of existing and new treatments on target pollutants from a 30-acre urban basin. The RECIPIENT will sample and analyze pollutant levels during storm events upstream and downstream of treatment and results will guide future stormwater management in the City of Des Moines to improve water quality.

Project Long Descriptions (4,000 characters or less)

This project will design and monitor the effectiveness of three stormwater Best Management Practices (BMPs), comprised of three soil media types, all in the purpose of removing stormwater pollutants, particularly 6PPD-Q, polychlorinated biphenyls (PCBs), and metals, and nutrients (total nitrogen, and phosphorus) generated in a 30-acre basin, while improving water quality in the Des Moines Marina and Puget Sound. This research is associated with the City of Des Moines (RECIPIENT) Marina Steps Project (Steps) project, not funded by this agreement, scheduled for 2026 construction. The Steps will create a new public area from S 223rd Street to the Des Moines Marina, which is a focal point for the community, funded through other sources.

This project connects with the Steps project and offers a unique chance to research new soil media types as a new water quality treatment BMP. This project will develop a Quality Assurance Project Plan (QAPP), research and develop soil media types, test, and analysis water effluent. A stormwater collection and conveyance system has already been designed and constructed as part of the Steps project. The result of this project will allow the RECIPIENT to submit soil media mixture BMP results and approved QAPP to the Washington state Technology Assessment Protocol Ecology (TAPE) program for review and potential approval.

This project will fund the development and testing of three different engineered soil media, configured and equipped for stormwater sampling. The RECIPIENT will review existing studies to identify media blends that optimize the removal of 6PPD-Q from stormwater and engage with specialists from Ecology and research institutions to gather recommendations and collaborate on the media design.

Based on the research, the RECIPIENT will select the bioretention soil media types to be tested. The selected media specifications will be documented.

The RECIPIENT will characterize existing stormwater quality by collecting grab samples from at least 3 qualifying storm events to establish baseline data and inform the sampling methods.

The RECIPIENT's engineer will size the flow splitter and bioretention areas in accordance with the 2021 King County Surface Water Design Manual in Q1 2025. Integrating with the Steps project, the RECIPIENT will Sample points at the outfall of each bioretention planter.

The RECIPIENT will calibrate and install temporary flow measurement devices and composite samplers at the flow diversion structure to monitor inflow and will place additional devices at the bioretention cell outlets to measure individual planter effluent quality. The measurement will take the total outflow from the bioretention cell which consists of the underdrain and the overflow. The RECIPIENT will collect flow-weighted composite samples from as many as 15 qualifying storm events. The actual number of significant storms

during that period is subject to seasonal variation and oscillations. If results are too few to meet TAPE requirements but are showing improved treatment effectiveness over current engineered media, the RECIPIENT intends to continue the study using City resources and other available funding.

Following TAPE protocols, the RECIPIENT will grab samples from at least three events before BMP setup. After BMP installation, automatic samplers will gather flow-weighted samples from up to 15 designated storms.

The RECIPIENT will share findings with the stormwater community through presentations and publications, including the Ecology Stormwater Working Group. The project will engage with multiple key stakeholders and Tribes, and the RECIPIENT will inform local community about the project's purpose, goals, and outcomes through user-friendly outreach materials, combining text and graphics to illustrate the project's status, schedule, and results.

GOALS & MEASURABLE OBJECTIVES

1) Determine the 6PPD-Q removal efficiency of the Ecology approved BSM as compared to the estimated removal efficiency in previous studies (i.e, Navickis-Brasch et al. 2022), and share results in presentation to Ecology's Stormwater Working Group.
2) Determine the performance of the experimental BMPs (two alternative non-proprietary bioretention soil mixes) in comparison to 6PPD-Q removal efficiency of the current standard and share results in presentation to Ecology's Stormwater Working Group.
3) Determine the performance of each BMP in removal efficiency of TSS and other contaminants of concern to aquatic and human health, specifically PCBs, and metals, and nutrients and share results in the final report.
4) Observe how bioretention treatment effectiveness in a new installation change over time for the measured pollutants and share results in a Project Summary document.
5) Observe qualitatively how bioretention systems change hydraulically biologically and challenges and share results.

TASKS & DELIVERABLES

The RECIPIENT will manage all project components, including but not limited to subcontract(s), invoice submission, budget, and deliverable completion and submission. The RECIPIENT will submit deliverables and invoices to the Stormwater SIL Grant Manager, SIL Financial Manager and Washington State Department of Ecology Grant Deliverable management tracking system, EAGL. See Stormwater SIL Grant Guidance

https://apps.ecology.wa.gov/publications/SummaryPages/2310049.html

TASK 1. Project Development (3500-character limit)

1.1 Quality Assurance Project Plan (QAPP) Development

Work related to data collection or analysis may not begin until the Quality Assurance Project Plan (QAPP) is approved by the Washington State Department of Ecology's National Estuary Program Quality Coordinator (NEP QC) or the NEP QC provides written documentation that a QAPP is not required.

Per EPA sub-award terms and conditions, for projects that involve the collection, production, evaluation, or use of environmental information, the SUB-RECIPIENT must submit a Quality Assurance Project Plan (QAPP) to the Washington

State Department of Ecology's NEP Quality Coordinator (NEP QC) using EPA's NEP guidance for QAPPs. Project work should not begin until the Quality Assurance Project Plan (QAPP) has Quality Assurance approval. At contract start, the RECIPIENT must work with the NEP QC to ensure the project meets quality assurance requirements per the contract terms and conditions.
The RECIPIENT is also required to conduct and document an annual review of the approved QAPP with ECOLOGY for projects exceeding one year in duration. For any changes prior to the annual review the RECIPIENT must contact NEP QC to confirm required documentation. Changes may include but are not limited to new sampling sites, extended timeline, updated methods, and changes to analysis.

1.2 Project Initial Factsheet

Using the template provided, the RECIPIENT must complete an initial one-page project factsheet at the outset of the grant. The initial factsheet will provide an overview of the project and a brief description of the RECIPIENT's organization. The RECIPIENT will submit the initial factsheet with the first quarterly progress report.

1.3 Project Final Factsheet

The RECIPIENT will submit the final factsheet at the end of the grant to summarize project outcomes, lessons learned, and next steps. The Stormwater SIL will make the factsheets publicly available through the website https://pugetsoundestuary.wa.gov/.

Task 1.4 – Quality Assurance Project Plan (QAPP) Comment Response

The Recipient will provide comment responses for two additional rounds of comments. Task 1.1 of the original scope included one round of comments with approximately four hours of effort for comment responses.

Task 1.5 – Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions

The Recipient will assist in the Grant agreement revision for the Marina Steps Innovative Stormwater BMPs project to incorporate the following changes:

- Add Task 1.4 Quality Assurance Project Plan (QAPP) Comment Response
- Add Task 1.5 Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions
- Add Task 2.6 HPBSM and Biochar Media Engineering Coordination
- Remove construction funds from Task 6 Final BMP Design and Construction, design funds (Task 6.1-6.4) will remain.
- Include additional nutrient monitoring additions to Task 7.
- Add Task 9, Educational Signage
- Add Task 10, Biochar Design and Reporting
- Add Task 11, Biochar Production
- Add Task 12, Soil Mixing and Delivery

Subtask Number	Deliverable	Target Completion Date
1.1	Copy of signed QAPP or QAPP waiver documentation.	Within 90 days of signed agreement
1.2	Initial Project Factsheet	Due with first quarterly report

1.3	Final Project Factsheet	2 weeks prior to grant end date
1.4	Quality Assurance Project Plan QAPP Comment Response	Within 30 days of signed Amendment
1.5	Ecology Grant Revisions	Within 10 days of signed Amendment

TOTAL ESTIMATED COST FOR TASK 1: $40,801

TASK 2. Project Administration and Reporting

Task 2 describes the project administrative and reporting requirements. The RECIPIENT will refer to and comply with all underlying state and federal terms and conditions.

2.1 PROGRESS REPORTS/PAYMENT REQUESTS (PRPR)

The RECIPIENT will complete quarterly payment request and progress reports (PRPR) in EAGL (Ecology Administration of Grants and Loans). The RECIPIENT will maintain project records, submit requests for reimbursement with corresponding backup documentation, and fully complete progress reports. Quarterly reporting periods are:

Quarter 1 reporting period: January 1 – March 31; due April 30
Quarter 2 reporting period: April 1 – June 30; due July 30
Quarter 3 reporting period: July 1 – September 30; due October 30
Quarter 4 reporting period: October 1 – December 31; due January 30

Progress reports shall include:

- A description of:
    - Work completed for each task/subtask during the reporting period, including what deliverables were completed and submitted during the reporting period.
    - Total allowable spending by task.
    - Status for ongoing project tasks.
    - Challenges affecting task-specific or overall project completion date(s), scope of work, or costs.
- Evidence of satisfactory completion of all reporting requirements.

The RECIPIENT will submit invoices at least quarterly, but no more frequently than monthly.

2.2 EPA FEATS REPORTING

The RECIPIENT will complete semi-annual FEATS (*Financial and Ecosystem Accounting Tracking System*) progress reports and a final FEATS report. The final FEATS report will be submitted within 60 days of the grant expiration date and will reflect the final project billing. The final FEATS report must describe task work completed throughout the project, highlight project outcomes, and summarize lessons learned.

FEATS Reporting Periods:

April 1 – September 30 Due October 15th or with Quarter 3 progress reporting, whichever comes first
October 1 – March 31 Due April 15th or with Quarter 1 progress reporting, whichever comes first

2.3 RECIPIENT CLOSE OUT REPORT (RCOR) IN EAGL

At the conclusion of the project, the RECIPIENT will complete the Recipient Close Out Report (RCOR) in EAGL. The RCOR Form will include project accomplishments, challenges, and all relevant project information.

2.4 Water Quality Exchange (WQX) and EIM Data Reporting

The Water Quality Exchange (WQX) is the tool for data partners to submit monitoring data to EPA. If the RECIPIENT collects any physical, chemical, or environmental data (e.g., dissolved oxygen, water temperature, salinity, turbidity, pH, phosphorous, total nitrogen, *E. coli* or enterococci, and other biological and habitat data), then the RECIPIENT's QAPP will specify data to be reported through WQX.

Data for a calendar year (Jan 1 – Dec. 31) must be submitted at least annually.
See WQX information, including tutorials, at https://www.epa.gov/waterdata/water-quality-data-wqx.
WQX reporting completed by: Annually on [AGREEMENT START DATE]

The RECIPIENT will also submit all environmental data to ECOLOGY's Environmental Informational Management System (EIM). The RECIPIENT must confirm with ECOLOGY that complete and correct data was successfully uploaded, find instructions at https://ecology.wa.gov/Research-Data/Data-resources/Environmental-Information-Management-database

2.5 Contracts and Subawards

The RECIPIENT may execute one or more subcontracts (professional services agreements). Selection of subcontractor by RECIPIENT must comply with applicable provisions of 2 CFR Part 200 and the EPA Subaward Policy, which may be found at https://www.epa.gov/grants/grants-policy-issuance-gpi-16-01-epa-subaward-policy-epa-assistance-agreement-recipients. A meeting(s) may be held to clarify the scope, schedule, and deliverables. The RECIPIENT and subcontractor will execute the contract and hold a kick-off meeting.

2.6 HPBSM and Biochar Media Engineering Coordination

This task is broken up into two phases. The first phase is the construction phase, and the second phase is the post construction phase. Both are detailed below. The construction phase includes all effort between July 1st, 2026 and September 30th, 2026. The second phase includes effort from October 1st, 2026 through December 31st, 2027.

Construction Phase:

The Recipient will provide contract administration support for "Curtis Hinman and Associates", "TE Walrath Trucking, Inc." and "Biological Carbon" for the remaining duration of construction that is estimated to be complete by the end of September 2026. This scope covers coordination with the three companies mentioned, the City, the site contractor, and KPFF resident engineer to ensure successful procurement, scheduling, and delivery of the biochar and High-Performance Bioretention Sand Mix (HPBSM) media.

Specific services include:

- Review and processing of invoices submitted by Curtis Hinman & Associates, TE Walrath Trucking, Inc., Biological Carbon, including verification that billing is consistent with the approved scope and budget.
- Monitoring soil procurement progress and reporting any delays, emerging issues, scope gaps, or additional information needed to the City in a timely manner.
- Serving as the primary coordination point between Curtis Hinman & Associates, TE Walrath Trucking, Inc., Biological Carbon and the City, the site contractor, and KPFF resident engineer for stormwater engineering related to biochar and HPBSM media scheduling, procurement, and delivery.
- Facilitating review and distribution of key submittals and deliverables produced by Curtis Hinman & Associates, including lab results, mix specifications, and delivery and installation instructions.

Post construction Phase:

The Recipient will continue coordination with "Curtis Hinman and Associates" for reporting, testing, and administration support.

Specific services include:

- Review and processing of invoices submitted by Curtis Hinman & Associates, including verification that billing is consistent with the approved scope and budget.
- Serving as the primary coordination point between Curtis Hinman & Associates, the City, the site contractor, and KPFF resident engineer for stormwater engineering related to biochar and HPBSM media testing and analysis.

Assumptions:

- Up to 2 The Recipient staff will attend weekly check ins with Curtis Hinman, 1-hour meetings to review the procurement of the media, installation of the media from July 10th to September 30th. This is estimated at a maximum of 11 meetings.
- Meeting notes will be collected and distributed as requested.

Subtask Number	Deliverable	Target Completion Date
2.1	Quarterly Progress Reporting	Annually on January 30 Annually on April 30 Annually on July 30 Annually on October 30
2.2	FEATS Reporting	Annually April 15 Annually October 15
2.3	Recipient Close Out Report Completed in EAGL	Within 30 days of contract closeout
2.4	WQX and EIM Data Reporting	At least annually on [AGREEMENT START DATE] if needed.
2.5	Copy(s) of final consultant contract(s) subawards. Upload to EAGL and notify SW SIL PM and FM.	Annually
2.6	HPBSM and Biochar Media Engineering Coordination	End of 2027

TOTAL ESTIMATE COST FOR TASK 2 : $38,734

Task 3. **Cultural Resource Review and Permitting**

The RECIPIENT will ensure the following items are completed and provide the associated deliverables to ECOLOGY. The RECIPIENT must approve all materials prior to submitting them to ECOLOGY for acceptance.

3.1 Cultural Resources Review

The RECIPIENT will comply with Section 106 cultural resources review requirements that involve any project site disturbance.

The RECIPIENT will submit the documents listed below to initiate ECOLOGY's cultural resources review. Property acquisition and above and below ground activities proposed at any project site must be reviewed by ECOLOGY for potential affects to cultural resources.

To initiate cultural resources review:
1. The RECIPIENT will submit the Cultural Resources Review Form to ECOLOGY. The RECIPIENT will provide any additional information for ECOLOGY to lead the required cultural resources consultation. Any supporting materials must conform to the Department of Archeology and Historic Preservation's (DAHP) Washington State Standards for Cultural Resource Reporting.

The RECIPIENT must receive written notice from ECOLOGY prior to proceeding with work and expenses to be eligible for reimbursement. Examples of work may include (but are not limited to) geotechnical work, acquisition, site prep work, and BMP installations. Work done prior to written notice to proceed shall not be eligible for reimbursement. Costs incurred for ground disturbing activities that occur before cultural resources review will not be eligible for reimbursement.

3.2 Inadvertent Discovery Plan
The RECIPIENT will submit an Inadvertent Discovery Plan (IDP) to ECOLOGY, using the ECOLOGY Inadvertent Discovery Plan found on the ECOLOGY website. The RECIPIENT will ensure that all contractors and subcontractors have a copy of the completed IDP prior to and while working on-site.

RECIPIENT shall:

- Keep the IDP at the project site.
- Make the IDP readily available to anyone working at the project site.
- Discuss the IDP with staff and contractors working at the project site.
- Implement the IDP when cultural resources or human remains are found at the project site.

The RECIPIENT will comply with RCW 27.53, RCW 27.44.055, and RCW 68.50.645, and all other applicable local, state, and federal laws protecting cultural resources and human remains.

3.3 Permitting
The RECIPIENT will also upload the final SEPA determination and affidavit. The RECIPIENT is responsible for application of, receipt of, and compliance with all required local, state, tribal, and federal permits, licenses, easements, or property rights necessary for the project. The RECIPIENT will provide copies of applicable local, state, tribal and federal permits, licenses, easements, and property rights upon request of the project manager or environmental review coordinator.

Subtask Number	Deliverable	Target Completion Date
3.1	Ecology Cultural Resource Review (CRR) form emailed to SWSIL PM and Cultural Resource contact for review. Other applicable permits, approvals, and authorizations, upload to EAGL	Mar 2026
3.2	Inadvertent Discovery Plan (IDP). Email the form directly to the SWSIL PM and Cultural Resources Contact for review. Upload to EAGL once review is complete.	Mar 2026
3.3	Final SEPA determination and affidavit. Uploaded to EAGL and notify SWSIL PM and FM.	Mar 2026

TOTAL ESTIMATED COST FOR TASK 3: $7,569

TASK 4. Develop Innovative BMPs (3500-character limit)

The RECIPIENT will conduct research and outreach regarding the removal efficiencies of bioretention engineered soil (media) mixtures that are currently used in the Puget Sound region, and about alternative bioretention media with potentially greater capacity to remove 6PPD-Q and other high priority pollutants. From this research recommendations will be made for a media that has little or no field performance data to be evaluated in this research. The RECIPIENT will then compile their findings in a Basis of Design Memorandum.

4.1 Initial BMP Research and Partner Outreach

The RECIPIENT will review available scientific and grey literature on potential removal efficiencies of various BMPs bioretention media in regard to 6PPD-Q, PCBs (Arochlors), and dissolved metals. This will include a review of both effectiveness studies and of estimated effectiveness based on the chemical properties of the compounds in the media. In addition, the RECIPIENT will conduct outreach to the WSU laboratory and King County Department of Natural Resources and Parks on their ongoing research on this topic.

The RECIPIENT will summarize the results of the background research and collaborative outreach in a Technical Memorandum. After Ecology's 30-day review period, the RECIPIENT will respond to comments and revise the Technical Memorandum to finalize the document.

4.2 Innovative BMP Selection

The RECIPIENT will prepare a BMP basis of design memorandum documenting a minimum of three specific stormwater filtration media, include an existing Bioretention Soil Mix as one of the media, for effectiveness monitoring (Task 7) and the rationale for the selection. After Ecology's 30-day review period, the RECIPIENT will respond to comments and revise the Technical Memorandum to finalize the document.

Subtask Number	Deliverable	Target Completion Date
4.1	Technical Memorandum Summarizing Background Research and Results of Collaborative Outreach. Upload to EAGL draft and notify SWSIL PM and FM for 30-day review and comment. Upload final to EAGL and notify SWSIL PM and FM.	November 2025
4.2	BMP Design Selection Memorandum. Upload draft to EAGL and notify SWSIL PM and FM for 30-day review. Upload final BMP Design Memorandum to EAGL.	January 2026

TOTAL ESTIMATED COST FOR TASK 4: $11,263

TASK 5. Baseline Pollutant Testing of Stormwater Influent (3500-character limit)

The RECIPIENT will conduct baseline sampling at project site to determine pollutant concentrations within the target basins and prepare the results in a technical memorandum.

5.1 BASELINE SAMPLING

The RECIPIENT will conduct grab sampling of stormwater effluent of the Des Moines North Downtown basin to measure the concentrations of pollutants of concern (TSS, 6PPD-Q, PCBs (Aroclors), and dissolved metals prior to Task 7. Samples will be collected for up to 3 storm events with samples collected over a range of rainfall intensities, then analyzed at an accredited laboratory. The results will establish the expected range of pollutant concentrations that will be treated in

the future by the bioretention planters. The RECIPIENT will submit samples to accredited laboratory for analysis and provide receipts of submission.

5.2 Baseline Sampling Analysis and Results Memorandum
The RECIPIENT will analyze and summarize the laboratory results from task 5.1. The RECIPIENT will then prepare a baseline sampling memorandum, documenting the baseline pollutant data in the stormwater effluent during a range of rainfall intensities. If the baseline sampling shows very low levels of individual pollutant, the RECIPIENT will make recommendations to alter or amend the BMP Effectiveness Monitoring Plan and QAPP to exclude specific pollutants, include additional pollutants, or alternatively to increase or decrease sample sizes and the ranges or magnitudes of rainfall intensities.

The RECIPENT will prepare a draft technical memorandum summarizing baseline sampling results and submit to ECOLOGY for a 45 – day review. The RECIPIENT will complete a final technical memorandum.

Subtask Number	Deliverable	Target Completion Date
5.1	Laboratory receipts. Upload to EAGL and notify SWSIL PM and FM.	March 2026
5.2	Draft and Final Baseline sampling results technical memorandum. Upload draft to EAGL and notify SWSIL PM and FM for 45 -day review. Upload final to EAGL and notify SWSIL PM and FM.	May 2026

TOTAL ESTIMATED COST FOR TASK 5: $23,557

TASK 6. Final BMP Design (3500-character limit)

The RECIPIENT will complete the design plans for the three bioretention planters to be used to monitor soil media mixtures that are part of the Marina Steps project. The RECIPIENT will solicit bids for the overall Marina Steps project, including this project planters, and select a contractor to build the project. No construction funds will be allocated from this grant towards the construction of the bioretention cells.

6.1 Bioretention Planters Final Design
The RECIPIENT will complete and submit a final (90 percent) design package, sizing analysis of the treatment for the basin (hydrology and land use), and a infiltration report, of the bioretention planters, flow splitters and soil media BMPs as necessary to achieve the goals and requirements of this agreement for an ECOLOGY 45 day review.

6.2 Construction Quality Assurance Plan
Prior to the start of construction, the RECIPIENT will provide ECOLOGY a construction quality assurance plan (CQAP) for a 15 day ECOLOGY review.

6.3 BMP Construction Inspection
The RECIPIENT will be responsible for inspecting the bioretention planters to ensure they are constructed according to the approved engineering design. The RECIPIENT will work closely with the Contractor to ensure monitoring ports are correctly placed to collect water quality samples and flow measurements. Upload contraction schedule to EAGL and notify ECOLOGY.

6.4 Change Orders
If necessary, the RECIPIENT will contact ECOLOGY PM if any construction changes to the ECOLOGY funded project are required, prior to making any changes, through a 10-day ECOLOGY review change request order.

Subtask Number	Deliverable	Target Completion Date
6.1	Sizing Analysis Report, Infiltration Report, 90 percent design, flow splitters and soil media BMP specifications. Upload to EAGL and notify SWSIL PM and FM for 45-day review for feedback and acceptance. Upload contractor contract addendum and ECOLOGY acceptance to EAGL.	December 2025
6.2	Construction Quality Assurance Plan. Upload to EAGL and notify SWSIL PM and FM for 15-day review	July 2026
6.3	BMP Construction Inspection.	August - October 2026
6.4	Change Orders (if needed). ECOLOGY 10-day review.	Varies August – September 2026

TOTAL ESTIMATED COST FOR TASK 6: $ 2,536

TASK 7. BMP Effectiveness Testing for Priority Pollutants (3500-character limit)

The RECIPIENT will acquire and install bioretention monitoring equipment and conduct water quality during qualifying storm events as indicated in QAPP.

7.1 Instrumentation Installation

The RECIPIENT will assemble, test, and install temporary monitoring equipment at the three bioretention planters with the three selected soil media types. The RECIPIENT will facilitate inspections, sampling, and maintenance during and following the Project.

The equipment will include 4 flow meters and 4 automatic composite samplers:

- Flow splitter structure: Flow meter and composite stormwater sampler
- Planter #1 discharge pipe: Flow meter and composite stormwater sampler
- Planter #2 discharge pipe: Flow meter and composite stormwater sampler
- Planter #3 discharge pipe: Flow meter and composite stormwater sampler

7.2 Precipitation Monitoring

The RECIPIENT will track significant forecast precipitation events to identify storms where the bioretention pollutant removal effectiveness will be measured, and water quality sampled by the BMPs installed in task 6. Rainfall records will be attained and reviewed for the sampled events.

7.3 2026-27 Wet Season BMP Effectiveness Monitoring

The RECIPIENT will collect and analyze water quality samples from a minimum of 8 (target of 12) storms over this initial "conditioning" 2026-2027 water year. For each event, equipment will be primed before the storm to be in optimal condition to collect flow weighted composite samples. Collection bottles, testing supplies, and coolers will be assembled. Following the storm events, water quality samples will be transferred to the collection bottles following sampling protocols, iced, and delivered to the accredited laboratory within holding time for analysis of the full analyte suite (6PPD-Q, PCBs (Aroclors), dissolved copper, zinc, TSS and nitrate+nitrite-N, TKN, total nitrogen, total phosphorus, and ortho-phosphorus) per the approved QAPP. Nutrient subsamples will be collected in HDPE bottles, preserved prior to analysis. Flow records will be downloaded. Statistical analysis will be performed. Allow for an ECOLOGY 30-day review and feedback.

7.4 2027 Q3-Q4 Wet Season BMP Effectiveness Monitoring

The RECIPIENT will collect and analyze water quality samples from a target of 3 storms during 2027 Quarter 3 and Quarter 4 after the BMPs have been conditioned for at least 9 months. For each event, equipment will be primed before the storm to be in optimal condition to collect flow weighted composite samples. Collection bottles, testing supplies, and coolers will be assembled. Following the storm events, water quality samples will be transferred to the collection bottles following sampling protocols, iced, and delivered to the accredited laboratory within holding time for analysis of the full analyte suite in Task 7.3 including nutrients, per the approved QAPP. Flow records will be downloaded. Statistical analysis will be performed. Allow for an ECOLOGY 30-day review and feedback.

Subtask Number	Deliverable	Target Completion Date
7.1	Documentation, pictures of completed installation. Upload to EAGL and notify SWSIL PM and FM	Oct 2026 – Nov 2027
7.2	Precipitation Monitoring memo. Upload to EAGL and notify SWSIL PM and FM	Oct 2026 – Nov 2027
7.3	2026-27 Wet Season BMP Effectiveness Monitoring Memo. Upload to EAGL and notify SWSIL PM and FM for a 30-day review.	June 2027
7.4	2028 (Q4 2027) Wet Season BMP Effectiveness Monitoring Memo. Upload to EAGL and notify SWSIL PM and FM for a 30-day review	Dec 2027

TOTAL ESTIMATED COST FOR TASK 7: $223,876

TASK 8. Communicating Impacts (3500-character limit)

The recipient will communicate project outcomes, lessons learned, and recommendations.

8.1 BROADER IMPACT

The RECIPIENT and their subcontractors will provide project outcomes and lessons learned at a relevant engineering conference, likely the American Public Works Association Semi-Annual conference in either spring or fall of 2027. This is noted for scope and budget completeness only and is not included in the RECIPIENT request for grant funding as the conference preparation and attendance costs will be borne by the RECIPIENT. The RECIPIENT will also present project and results to the SWSIL advisory team.

8.2 Draft Final Report

The RECIPIENT will complete a draft version and final report. The final report will summarize methods, results, lessons learned, and recommendations for future work. The final report will also include analyses of the effectiveness of three BMPs for removal of 6PPD-Q, PCBs (Arochlors), and metals and nutrient export (total nitrogen, total phosphorus, and related species) over the sampling period. The draft final report will be submitted for ECOLOGY 30 day review and feedback, and the final report will be submitted.

8.3 Final Report

Integrating feedback from Task 8.2, The RECIPIENT will prepare a final report summarizes methods, results, lessons learned, and recommendations for future work.

Task Number	Deliverable	Target Completion Date

8.1	Presentation materials, number of participants, meeting notes including questions and feedback, and, recordings if applicable. Upload to EAGL and notify SWSIL PM and FM.	12/31/2027
8.2	Draft final Report. Upload to EAGL and notify SWSILPM and FM for 30 day review and comment	11/1/2027
8.3	Final report. Upload to EAGL and notify SWSIL PM and FM.	12/31/2027

TOTAL ESTIMATED COST FOR TASK 8: $13,086

Task 9 Educational Signage (3500-character limit)

The Recipient will prepare four (4) unique educational interpretive signs for the Marina Steps project, progressing from a conceptual layout and draft content outline through draft sign designs (written copy, graphics, and preliminary assembly and installation details for up to two installation types) to final graphics and stamped assembly and installation details for fabrication. Services include one site visit to confirm sign layout and as-built conditions, virtual coordination meetings with City of Des Moines staff, and solicitation of procurement and installation quotes from up to two local signage fabricators.

Task 10 Biochar Design and Reporting (3500-character limit)

This task will utilize the findings in Task 4 and progress into the design of the treatment media.

The Recipient will coordinate development an innovative biochar designed to treat metals, PCBs, and 6PPD-Q while eliminating export of phosphorus and nitrogen from the media. Up to four experimental biochars will be developed at lab scale and evaluated for leaching potential using the Synthetic Precipitation Leaching Procedure (EPA Method 1312) for dissolved copper and ortho-phosphorus, with batch tests conducted on the same candidates to determine sorption isotherms. Based on lab performance and cost, the best-performing biochar will be selected for production and blended with sand as detailed in Task 11 and 12.

Deliverables include an innovative media design memo, a memo describing biochar manufacturing, SPLP and batch test results for the four candidate biochars, and instructions for mixing, delivery, storage, and installation of the biochar and sand media. The Recipient will also provide lab reports for HPBSM component verification analyses and will prepare a draft and final report summarizing activities and findings for the biochar development and HPBSM procurement tasks.

Task 11 Biochar Production (3500-character limit)

Following Task 10 the Recipient will manufacture and prepare the biochar components (potentially including high-temperature biochar produced at approximately 800°C and low-temperature biochar at approximately 350°C, screened and washed prior to blending), source granular leonardite and zero-valent iron, and blend and package the active media in approximately one-cubic-yard super sacks. The packaged blend will be shipped for final blending with the specified sand or aggregate fraction for delivery to the project site.

Task 12 Soil Mixing and Delivery (3500-character limit)

Following Task 11, the Recipient, will supply, bag, and deliver the bioretention and filtration media materials for the three bioretention planter cells.

Materials include bagged bioretention soil (Ecology 60/40 sand-compost media), bagged high-performance bioretention soil media (HPBSM), and bagged experimental biochar filter media, along with the sand fraction for each cell (quoted as 8x30 sand as a placeholder, to be Class 1 state sand and BSM sand at time of delivery). Bioretention and HP media are packaged in 1.5-cubic-yard bags, with sand and experimental filter media in 1-cubic-yard bags.

TOTAL GRANT AMOUNT: $548,386

TASK	AMOUNT

TASK 1. Project Development	$40,801
TASK 2. Project Administration and Reporting	$38,734
TASK 3. Cultural Resource Review	$7,569
TASK 4. Develop Innovative BMPs	$11,263
TASK 5. Baseline Pollutant Testing of Stormwater Influent	$23,557
TASK 6. Final BMP Design and Construction	$2,536
TASK 7. BMP Effectiveness Testing for Priority Pollutants	$223,876
TASK 8. Communicating Impacts	$13,086
TASK 9. Educational Signage	$71,076
TASK 10. Biochar Design and Reporting	$24,946
TASK 11. Biochar Production	$13,788
TASK 12. Soil Mixing and Delivery	$77,154
TOTAL	**$548,386**

FORMAL AMENDMENT DOCUMENT

Task Number 16
Amendment Number 2

The general provisions and clauses of Agreement 2024 – 2025 On-Call General Civil Engineering Services shall be in full force and effect for this Task Assignment.

Location of Project: Des Moines Marina and S 223rd Street

Project Title: Marina Steps Innovative Stormwater BMPs Targeting Priority Pollutants

Maximum Amendment Amount Payable: $263,323.07

Completion Date: _____

Description of Work: See attached, Exhibit B, Scope of Work.

Agency Project Manager Signature: _____ Date: _____

Oral Authorization Date: _____ See Attachment Dated: _____

Consultant Signature: _____ Date: _____

Agency Approving Authority: _____ Date: _____

EXHIBIT B

City of Des Moines
Marina Steps Innovative Stormwater BMPs Targeting Priority Pollutants
(Des Moines Marina and S 223rd Street)
Task Number #16

Psomas
Scope of Work – Amendment 2
August 2026

Description and Background

This scope will remove the prior Amendment 1 agreement between the City of Des Moines, Psomas and Curtis Hinman and Associates.

The following Scope of Work outlines the effort to revise funding under the Marina Steps Innovative Stormwater BMPs Targeting Priority Pollutants project and the Ecology Grant No. WQNEPSW-2024-DeMSWD-00024. Revisions will consist of the following:

- Add Task 1A
    - 1.4 Quality Assurance Project Plan (QAPP) Comment Response
    - 1.5 Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions
- Add Task 2A
    - 2.6 HPBSM and Biochar Media Engineering Coordination
- Remove construction funds from Task 6 Final BMP Design and Construction, design funds and scope to remain
- Add Task 7A
    - 7.5 Addition of Nutrient Monitoring Parameters
- Add Task 9, Educational Signage
- Add Task 10, Biochar Design and Reporting (sub agreement for Curtis Hinman and Associates)
- Add Task 11, Biochar Production (sub agreements for Biological Carbon)
- Add Task 12, Soil Mixing and Delivery (sub agreements for TE Walrath Trucking)

Table 1: (ORIGINAL) Ecology Grant No. WQNEPSW-2024-DeMSWD-00024

NEP Stormwater Strategic Initiative 2.0	Task Total
1. Project Development	20,534
2. Project Administration and Reporting	17,275
3. Cultural Resource Review and Permitting	7,569
4. Develop Innovative BMPs	11,263
5. Baseline Pollutant Testing of Stormwater Influent	23,557
6. Final BMP Design and Construction	277,881
7. BMP Effectiveness Testing for Priority Pollutants	189,242
8. Communicating Impacts	13,086
Total	560,407

EXHIBIT B

Table 2: (REVISED) Ecology Grant No. WQNEPSW-2024-DeMSWD-00024

NEP Stormwater Strategic Initiative 2.0	Task Total
1. Project Development	20,534
1A. QAPP and Grant Revisions	***20,267***
2. Project Administration and Reporting	17,275
2A. Engineering Coordination	***21,459***
3. Cultural Resource Review and Permitting	7,569
4. Develop Innovative BMPs	11,263
5. Baseline Pollutant Testing of Stormwater Influent	23,557
6. Final BMP Design and Construction	***2,536***
7. BMP Effectiveness Testing for Priority Pollutants	189,242
7A. Addition of Nutrient Monitoring Parameters	***34,634***
8. Communicating Impacts	13,086
9. Educational Signage	***71,076***
10. Biochar Design and Reporting (Curtis Hinman and Associates)	***24,946***
11. ***Biochar Production (Biological Carbon)***	***13,788***
12. ***Soil Mixing and Delivery (TE Walrath Trucking)***	***77,154***
Total	***548,386***

*Bold text denotes changes to the original grant

Table 3: Amendment #2

NEP Stormwater Strategic Initiative 2.0	Task Total
1A. QAPP and Grant Revisions	***20,267.13***
2A. Engineering Coordination	***21,458.72***
7A. Addition of Nutrient Monitoring Parameters	***34,633.65***
9. Educational Signage	***71,075.94***
10. Biochar Design and Reporting (Curtis Hinman and Associates)	***24,945.87***
11. Biochar Production (Biological Carbon)	***13,787.87***
12. ***Soil Mixing and Delivery (TE Walrath Trucking)***	***77,153.88***
Total	***263,323.07***

*Task 6 only has funds removed and, therefore is not in the Amendment #2 Table

Task 1A QAPP and Grant Revisions

Task 1.4 – Quality Assurance Project Plan (QAPP) Comment Response

Psomas will provide comment responses for two additional rounds of comments. Task 1.1 of the original scope included one round of comments with approximately four hours of effort for comment responses.

Task 1.5 – Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions

Psomas will assist in the Grant agreement revision for the Marina Steps Innovative Stormwater BMPs project to incorporate the following changes:

- Add Task 1A
    - 1.4 Quality Assurance Project Plan (QAPP) Comment Response
    - 1.5 Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions
- Add Task 2A
    - 2.6 HPBSM and Biochar Media Engineering Coordination
- Remove construction funds from Task 6 Final BMP Design and Construction, design funds and scope to remain
- Add Task 7A
    - 7.5 Addition of Nutrient Monitoring Parameters
- Add Task 9, Educational Signage
- Add Task 10, Biochar Design and Reporting (sub agreement for Curtis Hinman and Associates)
- Add Task 11, Biochar Production (sub agreements for Biological Carbon)
- Add Task 12, Soil Mixing and Delivery (sub agreements for TE Walrath Trucking)

Task 2A. Engineering Coordination

Task 2.6 – HPBSM and Biochar Media Engineering Coordination

This task is broken up into two phases. The first phase is the construction phase, and the second phase is the post construction phase. Both are detailed below. The construction phase includes all effort between July 1st, 2026 and September 30th, 2026. The second phase includes effort from October 1st, 2026 through December 31st, 2027.

Construction Phase:
Psomas will provide contract administration support for "Curtis Hinman and Associates", "TE Walrath Trucking" and "Biological Carbon" for the remaining duration of construction that is estimated to be complete by the end of September 2026. This scope covers coordination with the three companies mentioned, the City, the site contractor, and KPFF resident engineer to ensure successful procurement, scheduling, and delivery of the biochar and High-Performance Bioretention Sand Mix (HPBSM) media.

Specific services include:

- Review and processing of invoices submitted by Curtis Hinman & Associates, TE Walrath Trucking, Biological Carbon, including verification that billing is consistent with the approved scope and budget.
- Monitoring soil procurement progress and reporting any delays, emerging issues, scope gaps, or additional information needed to the City in a timely manner.

- Serving as the primary coordination point between Curtis Hinman & Associates, TE Walrath Trucking, Biological Carbon and the City, the site contractor, and KPFF resident engineer for stormwater engineering related to biochar and HPBSM media scheduling, procurement, and delivery.
- Facilitating review and distribution of key submittals and deliverables produced by Curtis Hinman & Associates, including lab results, mix specifications, and delivery and installation instructions.

Post construction Phase:
Psomas will continue coordination with "Curtis Hinman and Associates" for reporting, testing, and administration support.

Specific services include:

- Review and processing of invoices submitted by Curtis Hinman & Associates, including verification that billing is consistent with the approved scope and budget.
- Serving as the primary coordination point between Curtis Hinman & Associates, the City, the site contractor, and KPFF resident engineer for stormwater engineering related to biochar and HPBSM media testing and analysis.

Assumptions:

- Up to 2 Psomas staff will attend weekly check ins with Curtis Hinman, 1-hour meetings to review the procurement of the media, installation of the media from July 10th to September 30th. This is estimated at a maximum of 11 meetings.
- Meeting notes will be collected and distributed as requested.

Task 6 – Final BMP Design and Construction

No additional design funds will be added to this task.
Task 6.1-6.4 will remain in the Psomas scope. Total cost $2,536.
The construction funds totaling $275,344.51 will be removed from this task.

Task 7A Addition of Nutrient Monitoring Parameters

The funding for this task will be consolidated to task 7.5. This task describes the addition of nitrogen and phosphorus monitoring to the Marina Steps Innovative Stormwater BMPs project and updates to the QAPP to incorporate the additional nutrient monitoring. The full scope of this task is included as Exhibit C1. No new deliverables will be added under this task. All addition work detailed in exhibit C1 will be incorporated into the following tasks:

- Revision to Task 1.1 Quality Assurance Project Plan (QAPP)
- Additional sampling added to Task 7.3 and Task 7.4.

Task 9 Educational Signage

Psomas will provide design and procurement for four (4) custom educational interpretive signs to be located along the Marina Steps.

Specific services include:

- Attend one (1) site visit to confirm sign layout and finished as-built conditions for each installation location (up to two Psomas staff in attendance). Attend up to two (2) 30-minute virtual coordination meetings with City of Des Moines staff (up to two Psomas staff in attendance)
- Prepare conceptual sign layout and draft content outline for review and approval by the City of Des Moines. Content outline will provide sufficient information to convey the intent of each sign's content but will not include full written copy or graphics. It will also include basic information on sign material(s), colors/finishes, and installation type.
- Based on City of Des Moines review of content outline, prepare draft sign design including draft written copy and graphics, preliminary installation details and draft specifications.
- Prepare final sign graphics and sign assembly and installation details, incorporating final City of Des Moines review comments.
- Solicit procurement and installation quotes from up to two (2) local signage fabricators.

Deliverables:

- Conceptual sign layout and draft content outline for four (4) educational interpretive signs, including installation concept(s).
- Draft sign designs, including written copy, graphics, and preliminary sign assembly and installation details for up to two (2) different installation types (e.g., post-mounted and railing-mounted).
- Final sign designs including stamped sign assembly and installation details, and final graphics for sign fabrication.
- Up to two (2) quotes for procurement and installation.

Assumptions:

- Sign content and graphics will be developed by Psomas; City of Des Moines will provide one (1) consolidated set of review comments at each deliverable (draft content outline, draft sign design, final sign design), up to three (3) rounds total. No significant changes are assumed after review of the draft sign design.
- Content for each of the four (4) signs is assumed to be unique.
- Sign assembly and installation details for railing-mounted signs shall be based on the railing details shown in the Marina Steps bid documents, dated 12/23/2025.
- Sign assemblies are assumed to be custom, however Psomas shall endeavor to utilize off-the-shelf parts or complete assemblies where feasible.
- Signs will be procured directly by the City of Des Moines and installed by the fabricator or via City small-works roster or similar. Full construction documents suitable for competitive bidding will not be required.

Task 10 Biochar Design and Reporting (Curtis Hinman and Associates - See Exhibit C2)

This task will utilize the findings in Task 4 and progress into the design of the treatment media.
This task adds Curtis Hinman & Associates as a subconsultant to the Marina Steps bioretention project. Curtis Hinman will coordinate development of an innovative biochar designed to treat metals, PCBs, and 6PPD-Q while eliminating export of phosphorus and nitrogen from the media. Up to four experimental biochars will be developed at lab scale and evaluated for leaching potential using the Synthetic Precipitation Leaching Procedure (EPA Method 1312) for dissolved copper and ortho-phosphorus, with batch tests conducted on the same candidates to determine sorption isotherms. Based on lab performance and cost, and in consultation with the City and Psomas, the best-performing biochar will be selected for production and blended with sand at a ratio determined by the project team.
Deliverables include an innovative media design memo, a memo describing biochar manufacturing, SPLP and batch test results for the four candidate biochars, and instructions for mixing, delivery, storage, and installation of the biochar and sand media. Curtis Hinman & Associates will also provide lab reports for HPBSM component verification analyses and will prepare a draft and final report summarizing activities and findings for the biochar development and HPBSM procurement tasks. Psomas will provide QAQC of all reports and findings, and provide invoicing for the remainder of the project.

Task 11 Biochar Production (Biological Carbon - See Exhibit C3)

Following Task 10, Biological Carbon will manufacture and prepare the biochar components (potentially including high-temperature biochar produced at approximately 800°C and low-temperature biochar at approximately 350°C, screened and washed prior to blending), source granular leonardite and zero-valent iron, and blend and package the active media in approximately one-cubic-yard super sacks. The packaged blend will be shipped for final blending with the specified sand or aggregate fraction for delivery to the project site. Psomas will be the main point of contact for Biological Carbon and provide QAQC of all reports and findings.

Task 12 Soil Mixing and Delivery (TE Walrath Trucking - See Exhibit C4)

Following Task 11, TE Walrath Trucking (Walrath), will supply, bag, and deliver the bioretention and filtration media materials for the three bioretention planter cells.
Materials include bagged bioretention soil (Ecology 60/40 sand-compost media), bagged high-performance bioretention soil media (HPBSM), and bagged experimental biochar filter media, along with the sand fraction for each cell (quoted as 8x30 sand as a placeholder, to be Class 1 state sand and BSM sand at time of delivery). Bioretention and HP media are packaged in 1.5-cubic-yard bags, with sand and experimental filter media in 1-cubic-yard bags. Psomas will provide QAQC of all orders, shipments and be the main point of contact for construction delivery coordination.

PSOMAS

EXHIBIT B

PRIME CONSULTANT COST COMPUTATIONS

Client: City of Des Moines

Project Name: Marina Steps Innovative Stormwater BMPs Targeting Priority Pollutants - Amendment 2

Psomas Project Number: 9DES010216

Date: 8/1/2026

Task No.	Task Description	Labor Hour Estimate														Total Hours and Labor Cost Computations by Task	
		Principal	Senior Engineer II	Project Engineer I	Project Engineer II	Design Engineer I	Senior Landscape Architect I	Project Landscape Architect II	Landscape Designer II	Environmental Manager	Senior Environmental Planner II	Managing Biologist I	Managing Biologist II	GIS Tech	Cultural Resource Manager	Senior Admin	
		$110.00	$80.00	$57.70	$67.31	$44.00	$64.95	$57.22	$40.63	$83.63	$74.80	$63.00	$72.52	$31.32	$74.80	$50.53	Hours / Totals
Task 1A - QAPP and Grant Revisions																	
1.4	Quality Assurance Project Plan (QAPP) Comment Response		25							31						14	70 $ 5,299.95
1.5	WQNEPSW-2024-DeMSWD-00024 Grant Revisions		8							8							16 $ 1,309.04
	Task Total	**0**	**33**	**0**	**0**	**0**	**0**	**0**	**0**	**39**	**0**	**0**	**0**	**0**	**0**	**14**	**86 $ 6,608.99**
Task 2A - Engineering Coordination																	
2.6	HPBSM and Biochar Media Engineering Coordination	12	40							26						6	84 $ 6,997.56
	Task Total	**12**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**26**	**0**	**0**	**0**	**0**	**0**	**6**	**84 $ 6,997.56**
Task 7A - Addition of Nutrient Monitoring Parameters (See Exhibit C1)																	
7.5	Addition of Nutrient Monitoring Parameters		8							43	16	12	8	1		8	96 $ 7,204.61
	Task Total	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**43**	**16**	**12**	**8**	**1**	**0**	**8**	**96 $ 7,204.61**
Task 9 - Educational Signage																	
9.1	Site visit and up to (2) coordination meetings						1	4	4								9 $ 456.35
9.2	Prepare conceptual sign layout and draft content outline						3	8	20								31 $ 1,465.21
9.3	Prepare draft sign design and details		8				8	16	80								112 $ 5,325.52
9.4	Prepare final sign design and details		8				4	8	24								44 $ 2,332.68
9.5	Solicit procurement and installation quotes							4	8								12 $ 553.92
	Task Total	**0**	**16**	**0**	**0**	**0**	**16**	**40**	**136**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**208 $ 10,133.68**
Task 10 - Biochar Design and Reporting (Curtis Hinman and Associates - See Exhibit C2)																	
10.1	Biochar Design and Reporting QAQC		8							12						6	26 $ 1,946.74
	Task Total	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**6**	**26 $ 1,946.74**
Task 11 - Biochar Production (Biological Carbon - See Exhibit C3)																	
11.1	Biochar Production and Design QAQC		8							12						6	26 $ 1,946.74
	Task Total	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**6**	**26 $ 1,946.74**
Task 12 - Soil Mixing and Delivery (TE Walrath Trucking - See Exhibit C4)																	
12.1	Soil Mixing and Delivery QAQC		12							24						2	38 $ 3,068.18
	Task Total	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**0**	**0**	**0**	**2**	**38 $ 3,068.18**
	Total Labor Hours and Fee	**12**	**125**	**0**	**0**	**0**	**16**	**40**	**136**	**156**	**16**	**12**	**8**	**1**	**0**	**42**	**564 $ 37,906.50**
																	$ -

ICR Overhead @ 176.66% =	**$**	**66,965.62**
Fixed Fee @ 30% =	**$**	**11,371.95**
Total Psomas (DL + OH + Fixed Fee) =	**$**	**116,244.07**
Subconsultants		
Task 10 - Curtis Hinman & Associates	$	18,976.00
Task 11 - Biological Carbon	$	7,818.00
Task 12 - TE Walrath Trucking	$	67,745.00
Total Subconsultant Expense	**$**	**94,539.00**
Reimbursable Direct Non-Salary Costs		
Task 7A - Laboratory Analyses	$	12,240.00
Task 7A - Additional Sample Containers & Preservation	$	300.00
Task 9 - Sign Manufacturing and Installation	$	40,000.00
Total Reimbursable Expense	**$**	**52,540.00**
Total Estimated Budget	**$**	**263,323.07**

Exhibit C1
Addition of Nutrient Monitoring Parameters
(Task 7A)

PROPOSAL

Addition of Nutrient Monitoring Parameters

Marina Steps Innovative Stormwater BMPs Project

Ecology Grant No. WQNEPSW-2024-DeMSWD-00024

Submitted to: Washington State Department of Ecology

Prepared by Psomas | April 2026

1. Purpose

This proposal describes the addition of nitrogen and phosphorus monitoring to the Marina Steps Innovative Stormwater BMPs project. The nutrient parameters would be analyzed alongside the four existing analyte groups (6PPD-Q, PCBs as Aroclors, dissolved copper and zinc, and TSS) using the same flow-weighted composite samples, monitoring stations, and storm events already planned under the approved QAPP.

Two independent environmental drivers support this addition:

Nitrogen and Puget Sound Nitrification. Emerging evidence indicates that anthropogenic nitrogen loading is contributing to early-stage nitrification of Puget Sound, with dissolved inorganic nitrogen concentrations increasing in some marine monitoring datasets. Urban stormwater is a recognized non-point pathway for nitrogen to Puget Sound. Quantifying nitrogen export from bioretention media—particularly compost-amended blends known to leach nutrients—addresses a data gap directly relevant to regional nutrient management.

Phosphorus and Freshwater Eutrophication. Phosphorus loading from urban stormwater contributes to eutrophication in lakes and freshwater systems across western Washington. Bioretention facilities with compost-amended media have been documented to export phosphorus at concentrations exceeding influent levels (King County, 2017; 2019). Because the Marina Steps planters are underdrained systems discharging to receiving waters rather than infiltrating to groundwater, characterizing phosphorus export is essential to understanding the net environmental benefit of each media configuration.

2. Proposed Nutrient Parameters

The following nutrient constituents will be added to the analyte suite. The parameter selection is consistent with Ecology's TAPE (Technology Assessment Protocol – Ecology) framework, which evaluates phosphorus treatment performance using total phosphorus (TP) with a 50% removal goal. Although TAPE does not currently include a nitrogen treatment designation, the nitrogen species selected below are standard for stormwater nutrient characterization and will produce a TAPE-compatible dataset should Ecology adopt nitrogen treatment criteria in the future.

Table 1. Proposed nutrient analytical parameters.

Parameter	Method	Samples	Est. $/Sample	Lab Subtotal
Filter 0.45 micron (O-Phos)	Laboratory SOP	51	$25.00	$1,275
Nitrate + Nitrite-N	EPA 353.2	51	$40.00	$2,040
Nitrogen, Total Kjeldahl (TKN)	EPA 351.2	51	$55.00	$2,805
Phosphorous, Total (TP)	SM 4500-P E-11	51	$60.00	$3,060
Phosphorus, Ortho-P (SRP)	SM 4500-P E-11	51	$60.00	$3,060
Total Nitrogen (TN)	Calculation (TKN + NO_3 + NO_2)	51	—	Included
			Laboratory Subtotal	**$12,240**

Notes: Sample count matches existing analyte suite (48 post-construction + 3 baseline = 51). Lab costs are from the ARI Analytical Services Quotation dated April 24, 2026 (quote effective August 1, 2026 through May 31, 2027). TN is calculated from TKN + NO_3 + NO_2 at no additional analytical cost. Filtration for orthophosphate (0.45 µm) is included as a separate line item per ARI's standard practice.

3. Sampling Approach

No additional sampling events, monitoring stations, or field equipment are required. Nutrient samples will be collected by subsampling the same flow-weighted composite collected for the existing analyte suite at each of the four monitoring points (IF-1, BR-1, BR-2, BR-3) during each qualifying storm event.

Containers and preservation: Nutrient samples will be collected in HDPE bottles, preserved with H_2SO_4 to pH < 2, and held at ≤ 6°C. Holding time is 28 days for all nutrient parameters, which is substantially more forgiving than the 6PPD-Q and PCB holding times that currently govern field logistics.

Incremental field effort: The primary additional field labor is subsampling the composite into nutrient containers and applying acid preservation at each of the four stations during sample retrieval. With a two-person field crew, this is estimated at approximately 30 minutes per person per station per event, totaling 4 hours of additional labor per storm event (2 staff × 0.5 hr/station × 4 stations) and 60 hours over 15 events (12 wet-season + 3 extended). At a field technician rate of $175/hr, this totals $10,500.

4. QAPP Revisions Required

Adding nutrient parameters requires targeted revisions to the following QAPP sections:

- Section 3.2.3 (Parameters of Interest)
- Section 3.2.4 (Regulatory Criteria)

- Section 6.2 / Table 7 (MQOs)
- Section 7.2.2 (Analytes)
- Table 8 (Sample Containers)
- Table 9 (Analytical Methods)
- Tables 5 & 6 (Budget)

The estimated labor for QAPP revisions totals approximately 23 hours. These items are captured individually in the cost summary below.

5. Total Estimated Cost

Table 2. Estimated incremental project cost for nutrient monitoring addition.

Cost Item	Estimated Cost
Laboratory Analyses (nutrient suite, per ARI quote)	$12,240
Additional Sample Containers & Preservation	$300
Field Labor — Subsampling & Handling (2 staff × 0.5 hr/sta × 4 sta × 15 events @ $175/hr)	$10,500
QAPP Revision — Drafting (8 hrs @ $215/hr)	$1,720
QAPP Revision — Internal QC Review (4 hrs @ $215/hr)	$860
QAPP Revision — Ecology Comment Response (6 hrs @ $215/hr)	$1,290
Ecology Coordination Meeting (1 hr mtg × 3 staff + 2 hr prep @ $215/hr)	$1,075
Data Analysis & Reporting — Additional Sections	$3,500
Contingency (10%)	$3,149
TOTAL ESTIMATED ADDITIONAL COST	**$34,634**

Notes: Laboratory costs are per the ARI Analytical Services Quotation dated April 24, 2026 (15-day turnaround pricing). Field labor rate is $175/hr. Psomas engineering labor rate is $215/hr. Contingency covers potential additional lab QC sample costs and unforeseen coordination effort.

6. Value of the Addition

Nutrient monitoring generates substantial added value:

TAPE-format phosphorus data. The paired influent-effluent TP dataset from 12+ storm events will be eligible for TAPE Phosphorus Treatment evaluation if pursued.

Side-by-side media comparison for nutrient export. The controlled three-planter design with a common influent produces a uniquely rigorous comparison of nutrient leaching behavior across media types—standard 60:40 BSM versus two experimental lower-export formulations—under real storm conditions. Very few field studies in Washington have generated this type of paired nutrient data.

Regional relevance. With Puget Sound nitrification and freshwater eutrophication both receiving increased regulatory attention, nutrient export data from bioretention systems fills a recognized gap in the regional stormwater knowledge base. The data directly supports Ecology's nutrient management objectives and strengthens the project's contribution to the broader body of evidence informing future TAPE criteria development.

Marginal cost efficiency. Because the sampling infrastructure, field events, and QA framework are already funded and planned, nutrient monitoring rides on existing project logistics at a fraction of what a standalone nutrient study would cost.

7. Recommendation

Psomas recommends adding the nutrient parameters described in this proposal to the Marina Steps monitoring program. The addition requires no changes to the field sampling schedule, monitoring infrastructure, or storm event targets. The primary actions are to secure confirmation of analytical capacity and pricing from ARI, incorporate the targeted QAPP revisions described in Section 4, and procure the additional sample containers during the existing equipment procurement process.

The City of Des Moines has reviewed this proposal and supports the addition of nutrient monitoring to the project scope. We respectfully request Ecology's concurrence and financial assistance so that the nutrient parameters can be incorporated into the QAPP during the current revision cycle.

Brian L. Taylor, PE
Sr. Surface Water Engineer

Psomas

Exhibit C2
Biochar Design and Reporting
(Task 10)

CURTIS HINMAN&ASSOCIATES

PROPOSAL

CITY OF DES MOINES MARINE STEPS INNOVATIVE STORMWATER BMPS

On April 2, 2026, City of Des Moines (the City) and Curtis Hinman & Associates discussed developing a proposal for Mr. Hinman to assist with supplying filter media for the City of Des Moines Marine Steps Innovative Stormwater BMPs project. Specifically, Curtis Hinman and Associates will work with project partners to manufacture an innovative biochar and sand-based media designed to treat of metals, PCBs, and 6PPD-Q as well as eliminate export of phosphorous and nitrogen from the media. A potential additional outcome is that the biochar and sand media reduces influent nutrient concentrations.

On July 15, 2027, Curtis Hinman and Associates and PSOMAS (prime consultant for the City) agreed to update the existing contract based on this proposal. Primarily the new proposal separates work performed by Biological Carbon to manufacture biochar for the experimental media from tasks performed by Curtis Hinman and Associates.

The project consists of three bioretention planter cells (560 square feet each) adjacent to one another. One planter will contain Ecology's 60/40 sand-compost media and a second contains the high-performance bioretention mix (HPBSM). The third planter will be filled with an experimental media yet to be determined. The primary focus of this proposal is coordinating the development, delivery, and placement of the experimental media and to a lesser degree procuring the HPBSM.

The below scope of work for this proposal details activities, assumptions and deliverables associated with the following tasks:

- Task 1.0 Develop 1 to 2 biochars designed to treat metals, PCBs, and 6PPD-Q
- Task 2.0 Assist the City procure HPBSM
- Task 3.0 Reporting

TASK 1.0 – DEVELOP 1 TO 2 BIOCHARS DESIGNED TO TREAT METALS, PCBS, AND 6PPD-Q

Curtis Hinman & Associates will coordinate work with project partners to manufacture 1-2 biochars that are designed to treat metals, PCBs, and 6PPD-Q. Additionally, we will attempt to develop biochars that do not export and possibly reduce nutrient concentrations. Up to four experimental biochars will be developed at lab scale and tested for leaching and sorption of dissolved copper and ortho-phosphorus. The best performing biochar will then be selected for production and blended with sand at a ratio determined by the project team. Selection will be based on lab performance and cost and be in consultation with the City and PSOMAS. Currently, we anticipate the most expensive biochar will be approximately $1600/cubic yard and the least expensive biochar $800/cubic yard.

PROPOSAL

Assumptions

- The time frame of the project does not allow for testing candidate biochars in the lab (column study) for water quality treatment capability.
- Synthetic Precipitation Leaching Procedure (EPA Method 1312) will be used to evaluate leaching potential of four biochars for dissolve copper and ortho-phosphorus. Additionally, batch tests will be conducted on the same four biochars to determine sorption isotherms and the candidate biochars affinity for dissolved copper and ortho-phosphorus. These tests will provide a general and qualitative estimate of water quality treatment in the field.
- The City will cover manufacture of the biochar, shipping from the manufacturer, blending the biochar and sand, site delivery, and installation costs of the media.
- Curtis Hinman and Associates will assist with delivery, storage, and installation instructions

Deliverables

D1.1: Innovative media design memo

D1.2: One to two biochars designed to treat metals, PCBs, and 6PPD-Q, and not export nutrients

D1.3: Memo describing the biochar manufacturing

D1.4: SPLP and batch test results for four biochars

D1.6: Instructions for mixing, delivery, storage, and installation of the biochar and sand media

TASK 2.0 – ASSIST THE CITY PROCURE THE HPBSM

Several challenges exist to procure the HPBSM including: where to purchase and blend the components; the correct analyses for component verification; timing of those tests in relation to media delivery; identifying labs capable of conducting verification analyses; and proper installation.

Curtis Hinman and Associates led all research to develop the HPBSM and will assist the City answer the questions above and successfully procure and install the HPBSM. Specifically, Mr. Hinman will work with HPBSM component manufacturers, reliable blenders and suppliers, the consultant (PSOMAS), and the City to ensure the HPBSM meets specification and is delivered on time.

PROPOSAL

Assumptions

- The City is responsible for purchase of HPBSM as well as delivery and installation costs

Deliverables

D2.1: Lab reports for HPBSM component verification analyses

D2.2: Properly blended and delivered HPBSM that meets specification

TASK 3.0 – REPORTING

Curtis Hinman & Associates will provide a draft and final report on the activities and findings for tasks 1 and 2.

Deliverables

D3.1: A draft and final report.

BUDGET

Deliverable	Cost
Task 1: Develop 1 to 2 Biochars Designed to Treat Metals, PCBs, and 6PPD-Q	**$11,936.00**
Task 2: Assist the City Procure the HPBSM	**$4,480.00**
Task 3: Reporting	**$2,560.00**
Total	**$18,976.00**

Note: the above budget does not include material costs to manufacture and deliver the biochar to the site. The project contractor will be responsible for purchase and delivery of the biochar and sand, mixing the biochar and sand, and placement of biochar and sand media blend.

PROPOSAL

TIMELINE

The project will require approximately four months to complete. Assuming a contract is place by August 10, the project timeline will be:

July 16: Complete and deliver scope of work and budget

July 16—August 14: SPLP and sorption isotherm results

August 14—August 21: Review and select biochar for the experimental media

August 24—September 24: Manufacture biochar

September 30: Deliver biochars to Marine Steps installation site

Proposal author and contact information

Curtis Hinman

Curtis Hinman and Associates
1412 Wilson Ave
Bellingham, WA 98225
Phone: 253-330-9878

Email: curtis@curtishinmanassociates.com

Exhibit C3
Biochar Production (Biological Carbon)
(Task 11)

BIOLOGICAL CARBON

SCOPE OF WORK

Marina Steps Stormwater Filtration Media – Active Media Component Supply

Project: City of Des Moines, Washington
Marina Steps Stormwater Filtration Media
Contractor: Biological Carbon LLC

7/16/2026

Project Overview

Biological Carbon LLC will develop and supply active media components for experimental stormwater filtration media intended for use in the City of Des Moines Marina Steps project.

The final active media formulation will be informed by current filtration testing. The selected components support the treatment objectives for metals, nutrients, and organic contaminants. Biological Carbon LLC focuses on the production, sourcing, preparation, and blending of active components of filtration media.

Scope of Work

Biological Carbon LLC Tasks

Develop the Active Media Formulation

Review the available information (including team experience, literature review, and in-house laboratory work) and determine the appropriate blend of active media components for the Marina Steps project. The final component ratios will be based on the laboratory treatment performance, material compatibility, and practical production considerations. This portion of the project is to be billed as a separate line item of $7,818.00.

Note: The above initial phase is complete, and we are now waiting for 3rd party laboratory results to begin mixing the selected final media components. Once this is complete, we do the following:

BIOLOGICAL CARBON

1. **Manufacture and Prepare Biochar**
   Produce the biochar components required for the selected media formulation. The formulation may include both high-temperature biochar produced at approximately 800°C and low-temperature biochar produced at approximately 350°C. Biochar will be screened as appropriate and washed prior to final blending.
2. **Source Additional Active Media Components**
   Source and coordinate procurement of granular leonardite and zero-valent iron suitable for inclusion in the filtration media.
3. **Blend and Package Active Media**
   Blend the prepared biochar, leonardite, and zero-valent iron according to the selected formulation. The active media blend will be packaged in approximately one cubic yard bulk super sacks for transportation and final blending.
4. **Deliver Active Media Components**
   Coordinate the shipment of the packaged active media blend to Walrath Trucking in Washington. Walrath Trucking will complete the final blending of the active media components with the specified sand or aggregate fraction for delivery to the Marina Steps project.

Deliverables

Biological Carbon LLC will provide the formulated active media component blend packaged in approximately one-cubic-yard super sacks.

The final blend ratios and production quantities will be confirmed following the review of the filtration test results and the final media volume requirements for the Marina Steps project. We expect to produce 18 cubic yards of biochar-filtration media (to be mixed with sand) for a price not exceeding $1,600.00 per cubic yard.

Scope Limitations

This scope is limited to the development and supply of the active media components. Final sand or aggregate sourcing, final blending with the mineral media fraction, site installation, and construction activities are outside the scope of Biological Carbon LLC unless separately agreed upon.

Exhibit C4
Soil Mixing and Delivery (TE Walrath Trucking)
(Task 12)

Effective Date: 06/22/2026
Expire Date: 12/31/2026
Salesperson: Jami Burke
Job Description: Marine Steps

11405 24th Ave E, Tacoma, WA 98445
Tel: (253) 531-7499

Bill To

Name: Psomas
Address: ,
Contact: Marcus Vassey
Email: marcus.vassey@psomas.com
Phone: (253) 509-1408

Project

Name: Marine Steps
Address: Des Moines, WA
US
Lat/Long: 47.4017661, -122.3242902

Quote Memo

NOTE: BIORETENTION AND HP BAGS = 1.5YDS/BAG ALL SAND IS BY THE 1YD BAG. FLATBED PRICING IS BY THE LOAD. PLEASE NOTE THAT 8X30 SAND IS A PLACE HOLDER AND WILL BE CLASS 1 STATE SAND AND BSM SAND AT THE TIME OF DELIVERY. FILTER MEDIA = EXPERIMENTAL BIOCHAR MIX BY THE 1 YARD BAG.

Equip Type	Product Description	Quantity	Units	Quote Rate	Fuel Surcharge	Amount
Flat Bed	Bioretention Soil - Bagged	24.00	Each	$170.00	-	$4,080.00
	Hauling Details	1.00	Loads	$750.00	-	$750.00
Flat Bed	8 x 30 Sand - Bagged	35.00	Each	$142.00	-	$4,970.00
	Hauling Details	2.00	Loads	$750.00	-	$1,500.00
Flat Bed	HP Bioretention Bagged	24.00	Each	$445.00	-	$10,680.00
	Hauling Details	1.00	Loads	$750.00	-	$750.00
Flat Bed	8 x 30 Sand - Bagged	35.00	Each	$142.00	-	$4,970.00
	Hauling Details	2.00	Loads	$750.00	-	$1,500.00
Flat Bed	Filter Media Bagged	35.00	Each	$895.00	-	$31,325.00
	Hauling Details	1.00	Each	$750.00	-	$750.00
Flat Bed	8 x 30 Sand - Bagged	35.00	Each	$142.00	-	$4,970.00
	Hauling Details	2.00	Loads	$750.00	-	$1,500.00

Total: $67,745

GENERAL TERMS AND CONDITIONS

1. FUEL SURCHARGE: Fuel surcharge rates will apply to transportation only and will be based on West Coast. Fuel prices can be found at http://www.eia.gov/petroleum/gasdiesel/

2. PAYMENT TERMS: All invoices are due and payable in full by the due date stated on the invoice. Accounts not paid when due may be subject to a finance charge of 1.5% (18% Annual) on the unpaid balance, or the maximum rate allowed by law, whichever is less. We reserve the right to suspend services, place the account on hold, and/or withhold future deliveries or work until all past due balances, including applicable finance charges, are paid in full.

3. CONVENIENCE FEE: A convenience fee of 3% will be applied to all payments made by credit card. This fee is charged to cover the processing costs associated with credit card transactions and is not greater than our cost of acceptance. You may avoid this fee by choosing to pay via check, ACH, or other non-credit card methods.

4. TAXES: Prices quoted do not include any federal, state or location sales or excise taxes.

5. DELAYS: T. E. Walrath Trucking, Inc. (“TEW”) will not be responsible for delays due to Acts of God, strikes, fire, Governmental regulations, or other causes beyond our control.

6. WARRANTIES: TEW has not made, and does not make, any other warranties, express or implied, in connection with this quote, and there are no conditions, agreements, representation or obligations between the parties which are not expressed herein.

7. SPECIAL DELIVERIES: The Purchaser agrees to provide suitable roadways or approaches to points of delivery. If such suitable roadways or approaches are not provided, TEW reserve the right to stop deliveries until conditions are remedied. In the event Purchaser order delivery beyond the curb line he will hold TEW harmless against all liability of claim thereof for damage to sidewalks, driveways and against other damage resulting there form on the premises and not causes by act of negligence of TEW’s employees.

8. DETENTION OF TRUCKS AT THE BUILDING SITE: Prices quoted herein are based on prompt unloading of trucks. A maximum of 15 minutes free time per truck is allowed for unloading. Trucks held at the job more than the allowed time may be billed, at TEW’s sole discretion, at the stand-by rate of $160/hr, unless expressly quoted otherwise. In case of repeated delays in unloading TEW reserves the right to discontinue deliveries until conditions are corrected.

9. In the event that legal action is started to enforce any of the terms herein, including collection of balances due, the prevailing party shall be entitled to recover costs of suit including reasonable attorney or collection fees.

At the option of TEW the venue of any lawsuit arising herefrom shall be in the Superior Court in or for Pierce County.

EXHIBIT B

City of Des Moines
Marina Steps Innovative Stormwater BMPs Targeting Priority Pollutants
(Des Moines Marina and S 223rd Street)
Task Number #16

Psomas
Scope of Work – Amendment 2
August 2026

Description and Background

This scope will remove the prior Amendment 1 agreement between the City of Des Moines, Psomas and Curtis Hinman and Associates.

The following Scope of Work outlines the effort to revise funding under the Marina Steps Innovative Stormwater BMPs Targeting Priority Pollutants project and the Ecology Grant No. WQNEPSW-2024-DeMSWD-00024. Revisions will consist of the following:

- Add Task 1A
    - 1.4 Quality Assurance Project Plan (QAPP) Comment Response
    - 1.5 Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions
- Add Task 2A
    - 2.6 HPBSM and Biochar Media Engineering Coordination
- Remove construction funds from Task 6 Final BMP Design and Construction, design funds and scope to remain
- Add Task 7A
    - 7.5 Addition of Nutrient Monitoring Parameters
- Add Task 9, Educational Signage
- Add Task 10, Biochar Design and Reporting (sub agreement for Curtis Hinman and Associates)
- Add Task 11, Biochar Production (sub agreements for Biological Carbon)
- Add Task 12, Soil Mixing and Delivery (sub agreements for TE Walrath Trucking)

Table 1: (ORIGINAL) Ecology Grant No. WQNEPSW-2024-DeMSWD-00024

NEP Stormwater Strategic Initiative 2.0	Task Total
1. Project Development	20,534
2. Project Administration and Reporting	17,275
3. Cultural Resource Review and Permitting	7,569
4. Develop Innovative BMPs	11,263
5. Baseline Pollutant Testing of Stormwater Influent	23,557
6. Final BMP Design and Construction	277,881
7. BMP Effectiveness Testing for Priority Pollutants	189,242
8. Communicating Impacts	13,086
Total	560,407

EXHIBIT B

Table 2: (REVISED) Ecology Grant No. WQNEPSW-2024-DeMSWD-00024

NEP Stormwater Strategic Initiative 2.0	Task Total
1. Project Development	20,534
1A. QAPP and Grant Revisions	***20,267***
2. Project Administration and Reporting	17,275
2A. Engineering Coordination	***21,459***
3. Cultural Resource Review and Permitting	7,569
4. Develop Innovative BMPs	11,263
5. Baseline Pollutant Testing of Stormwater Influent	23,557
6. Final BMP Design and Construction	***2,536***
7. BMP Effectiveness Testing for Priority Pollutants	189,242
7A. Addition of Nutrient Monitoring Parameters	***34,634***
8. Communicating Impacts	13,086
9. Educational Signage	***71,076***
10. Biochar Design and Reporting (Curtis Hinman and Associates)	***24,946***
11. ***Biochar Production (Biological Carbon)***	***13,788***
12. ***Soil Mixing and Delivery (TE Walrath Trucking)***	***77,154***
Total	***548,386***

*Bold text denotes changes to the original grant

Table 3: Amendment #2

NEP Stormwater Strategic Initiative 2.0	Task Total
1A. QAPP and Grant Revisions	***20,267.13***
2A. Engineering Coordination	***21,458.72***
7A. Addition of Nutrient Monitoring Parameters	***34,633.65***
9. Educational Signage	***71,075.94***
10. Biochar Design and Reporting (Curtis Hinman and Associates)	***24,945.87***
11. Biochar Production (Biological Carbon)	***13,787.87***
12. ***Soil Mixing and Delivery (TE Walrath Trucking)***	***77,153.88***
Total	***263,323.07***

*Task 6 only has funds removed and, therefore is not in the Amendment #2 Table

Task 1A QAPP and Grant Revisions

Task 1.4 – Quality Assurance Project Plan (QAPP) Comment Response

Psomas will provide comment responses for two additional rounds of comments. Task 1.1 of the original scope included one round of comments with approximately four hours of effort for comment responses.

Task 1.5 – Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions

Psomas will assist in the Grant agreement revision for the Marina Steps Innovative Stormwater BMPs project to incorporate the following changes:

- Add Task 1A
    - 1.4 Quality Assurance Project Plan (QAPP) Comment Response
    - 1.5 Ecology Grant No. WQNEPSW-2024-DeMSWD-00024 Revisions
- Add Task 2A
    - 2.6 HPBSM and Biochar Media Engineering Coordination
- Remove construction funds from Task 6 Final BMP Design and Construction, design funds and scope to remain
- Add Task 7A
    - 7.5 Addition of Nutrient Monitoring Parameters
- Add Task 9, Educational Signage
- Add Task 10, Biochar Design and Reporting (sub agreement for Curtis Hinman and Associates)
- Add Task 11, Biochar Production (sub agreements for Biological Carbon)
- Add Task 12, Soil Mixing and Delivery (sub agreements for TE Walrath Trucking)

Task 2A. Engineering Coordination

Task 2.6 – HPBSM and Biochar Media Engineering Coordination

This task is broken up into two phases. The first phase is the construction phase, and the second phase is the post construction phase. Both are detailed below. The construction phase includes all effort between July 1st, 2026 and September 30th, 2026. The second phase includes effort from October 1st, 2026 through December 31st, 2027.

Construction Phase:
Psomas will provide contract administration support for "Curtis Hinman and Associates", "TE Walrath Trucking" and "Biological Carbon" for the remaining duration of construction that is estimated to be complete by the end of September 2026. This scope covers coordination with the three companies mentioned, the City, the site contractor, and KPFF resident engineer to ensure successful procurement, scheduling, and delivery of the biochar and High-Performance Bioretention Sand Mix (HPBSM) media.

Specific services include:

- Review and processing of invoices submitted by Curtis Hinman & Associates, TE Walrath Trucking, Biological Carbon, including verification that billing is consistent with the approved scope and budget.
- Monitoring soil procurement progress and reporting any delays, emerging issues, scope gaps, or additional information needed to the City in a timely manner.

- Serving as the primary coordination point between Curtis Hinman & Associates, TE Walrath Trucking, Biological Carbon and the City, the site contractor, and KPFF resident engineer for stormwater engineering related to biochar and HPBSM media scheduling, procurement, and delivery.
- Facilitating review and distribution of key submittals and deliverables produced by Curtis Hinman & Associates, including lab results, mix specifications, and delivery and installation instructions.

Post construction Phase:
Psomas will continue coordination with "Curtis Hinman and Associates" for reporting, testing, and administration support.

Specific services include:

- Review and processing of invoices submitted by Curtis Hinman & Associates, including verification that billing is consistent with the approved scope and budget.
- Serving as the primary coordination point between Curtis Hinman & Associates, the City, the site contractor, and KPFF resident engineer for stormwater engineering related to biochar and HPBSM media testing and analysis.

Assumptions:

- Up to 2 Psomas staff will attend weekly check ins with Curtis Hinman, 1-hour meetings to review the procurement of the media, installation of the media from July 10th to September 30th. This is estimated at a maximum of 11 meetings.
- Meeting notes will be collected and distributed as requested.

Task 6 – Final BMP Design and Construction

No additional design funds will be added to this task.
Task 6.1-6.4 will remain in the Psomas scope. Total cost $2,536.
The construction funds totaling $275,344.51 will be removed from this task.

Task 7A Addition of Nutrient Monitoring Parameters

The funding for this task will be consolidated to task 7.5. This task describes the addition of nitrogen and phosphorus monitoring to the Marina Steps Innovative Stormwater BMPs project and updates to the QAPP to incorporate the additional nutrient monitoring. The full scope of this task is included as Exhibit C1. No new deliverables will be added under this task. All addition work detailed in exhibit C1 will be incorporated into the following tasks:

- Revision to Task 1.1 Quality Assurance Project Plan (QAPP)
- Additional sampling added to Task 7.3 and Task 7.4.

Task 9 Educational Signage

Psomas will provide design and procurement for four (4) custom educational interpretive signs to be located along the Marina Steps.

Specific services include:

- Attend one (1) site visit to confirm sign layout and finished as-built conditions for each installation location (up to two Psomas staff in attendance). Attend up to two (2) 30-minute virtual coordination meetings with City of Des Moines staff (up to two Psomas staff in attendance)
- Prepare conceptual sign layout and draft content outline for review and approval by the City of Des Moines. Content outline will provide sufficient information to convey the intent of each sign's content but will not include full written copy or graphics. It will also include basic information on sign material(s), colors/finishes, and installation type.
- Based on City of Des Moines review of content outline, prepare draft sign design including draft written copy and graphics, preliminary installation details and draft specifications.
- Prepare final sign graphics and sign assembly and installation details, incorporating final City of Des Moines review comments.
- Solicit procurement and installation quotes from up to two (2) local signage fabricators.

Deliverables:

- Conceptual sign layout and draft content outline for four (4) educational interpretive signs, including installation concept(s).
- Draft sign designs, including written copy, graphics, and preliminary sign assembly and installation details for up to two (2) different installation types (e.g., post-mounted and railing-mounted).
- Final sign designs including stamped sign assembly and installation details, and final graphics for sign fabrication.
- Up to two (2) quotes for procurement and installation.

Assumptions:

- Sign content and graphics will be developed by Psomas; City of Des Moines will provide one (1) consolidated set of review comments at each deliverable (draft content outline, draft sign design, final sign design), up to three (3) rounds total. No significant changes are assumed after review of the draft sign design.
- Content for each of the four (4) signs is assumed to be unique.
- Sign assembly and installation details for railing-mounted signs shall be based on the railing details shown in the Marina Steps bid documents, dated 12/23/2025.
- Sign assemblies are assumed to be custom, however Psomas shall endeavor to utilize off-the-shelf parts or complete assemblies where feasible.
- Signs will be procured directly by the City of Des Moines and installed by the fabricator or via City small-works roster or similar. Full construction documents suitable for competitive bidding will not be required.

Task 10 Biochar Design and Reporting (Curtis Hinman and Associates - See Exhibit C2)

This task will utilize the findings in Task 4 and progress into the design of the treatment media.
This task adds Curtis Hinman & Associates as a subconsultant to the Marina Steps bioretention project. Curtis Hinman will coordinate development of an innovative biochar designed to treat metals, PCBs, and 6PPD-Q while eliminating export of phosphorus and nitrogen from the media. Up to four experimental biochars will be developed at lab scale and evaluated for leaching potential using the Synthetic Precipitation Leaching Procedure (EPA Method 1312) for dissolved copper and ortho-phosphorus, with batch tests conducted on the same candidates to determine sorption isotherms. Based on lab performance and cost, and in consultation with the City and Psomas, the best-performing biochar will be selected for production and blended with sand at a ratio determined by the project team.
Deliverables include an innovative media design memo, a memo describing biochar manufacturing, SPLP and batch test results for the four candidate biochars, and instructions for mixing, delivery, storage, and installation of the biochar and sand media. Curtis Hinman & Associates will also provide lab reports for HPBSM component verification analyses and will prepare a draft and final report summarizing activities and findings for the biochar development and HPBSM procurement tasks. Psomas will provide QAQC of all reports and findings, and provide invoicing for the remainder of the project.

Task 11 Biochar Production (Biological Carbon - See Exhibit C3)

Following Task 10, Biological Carbon will manufacture and prepare the biochar components (potentially including high-temperature biochar produced at approximately 800°C and low-temperature biochar at approximately 350°C, screened and washed prior to blending), source granular leonardite and zero-valent iron, and blend and package the active media in approximately one-cubic-yard super sacks. The packaged blend will be shipped for final blending with the specified sand or aggregate fraction for delivery to the project site. Psomas will be the main point of contact for Biological Carbon and provide QAQC of all reports and findings.

Task 12 Soil Mixing and Delivery (TE Walrath Trucking - See Exhibit C4)

Following Task 11, TE Walrath Trucking (Walrath), will supply, bag, and deliver the bioretention and filtration media materials for the three bioretention planter cells.
Materials include bagged bioretention soil (Ecology 60/40 sand-compost media), bagged high-performance bioretention soil media (HPBSM), and bagged experimental biochar filter media, along with the sand fraction for each cell (quoted as 8x30 sand as a placeholder, to be Class 1 state sand and BSM sand at time of delivery). Bioretention and HP media are packaged in 1.5-cubic-yard bags, with sand and experimental filter media in 1-cubic-yard bags. Psomas will provide QAQC of all orders, shipments and be the main point of contact for construction delivery coordination.

PSOMAS

EXHIBIT B

PRIME CONSULTANT COST COMPUTATIONS

Client: City of Des Moines

Project Name: Marina Steps Innovative Stormwater BMPs Targeting Priority Pollutants - Amendment 2

Psomas Project Number: 9DES010216

Date: 8/1/2026

Task No.	Task Description	Labor Hour Estimate														Total Hours and Labor Cost Computations by Task	
		Principal	Senior Engineer II	Project Engineer I	Project Engineer II	Design Engineer I	Senior Landscape Architect I	Project Landscape Architect II	Landscape Designer II	Environmental Manager	Senior Environmental Planner II	Managing Biologist I	Managing Biologist II	GIS Tech	Cultural Resource Manager	Senior Admin	
		$110.00	$80.00	$57.70	$67.31	$44.00	$64.95	$57.22	$40.63	$83.63	$74.80	$63.00	$72.52	$31.32	$74.80	$50.53	Hours / Totals
Task 1A - QAPP and Grant Revisions																	
1.4	Quality Assurance Project Plan (QAPP) Comment Response		25							31						14	70 $ 5,299.95
1.5	WQNEPSW-2024-DeMSWD-00024 Grant Revisions		8							8							16 $ 1,309.04
	Task Total	**0**	**33**	**0**	**0**	**0**	**0**	**0**	**0**	**39**	**0**	**0**	**0**	**0**	**0**	**14**	**86 $ 6,608.99**
Task 2A - Engineering Coordination																	
2.6	HPBSM and Biochar Media Engineering Coordination	12	40							26						6	84 $ 6,997.56
	Task Total	**12**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**26**	**0**	**0**	**0**	**0**	**0**	**6**	**84 $ 6,997.56**
Task 7A - Addition of Nutrient Monitoring Parameters (See Exhibit C1)																	
7.5	Addition of Nutrient Monitoring Parameters		8							43	16	12	8	1		8	96 $ 7,204.61
	Task Total	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**43**	**16**	**12**	**8**	**1**	**0**	**8**	**96 $ 7,204.61**
Task 9 - Educational Signage																	
9.1	Site visit and up to (2) coordination meetings						1	4	4								9 $ 456.35
9.2	Prepare conceptual sign layout and draft content outline						3	8	20								31 $ 1,465.21
9.3	Prepare draft sign design and details		8				8	16	80								112 $ 5,325.52
9.4	Prepare final sign design and details		8				4	8	24								44 $ 2,332.68
9.5	Solicit procurement and installation quotes							4	8								12 $ 553.92
	Task Total	**0**	**16**	**0**	**0**	**0**	**16**	**40**	**136**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**208 $ 10,133.68**
Task 10 - Biochar Design and Reporting (Curtis Hinman and Associates - See Exhibit C2)																	
10.1	Biochar Design and Reporting QAQC		8							12						6	26 $ 1,946.74
	Task Total	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**6**	**26 $ 1,946.74**
Task 11 - Biochar Production (Biological Carbon - See Exhibit C3)																	
11.1	Biochar Production and Design QAQC		8							12						6	26 $ 1,946.74
	Task Total	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**6**	**26 $ 1,946.74**
Task 12 - Soil Mixing and Delivery (TE Walrath Trucking - See Exhibit C4)																	
12.1	Soil Mixing and Delivery QAQC		12							24						2	38 $ 3,068.18
	Task Total	**0**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**0**	**0**	**0**	**2**	**38 $ 3,068.18**
	Total Labor Hours and Fee	**12**	**125**	**0**	**0**	**0**	**16**	**40**	**136**	**156**	**16**	**12**	**8**	**1**	**0**	**42**	**564 $ 37,906.50**
																	$ -

ICR Overhead @ 176.66% =	**$**	**66,965.62**
Fixed Fee @ 30% =	**$**	**11,371.95**
Total Psomas (DL + OH + Fixed Fee) =	**$**	**116,244.07**
Subconsultants		
Task 10 - Curtis Hinman & Associates	$	18,976.00
Task 11 - Biological Carbon	$	7,818.00
Task 12 - TE Walrath Trucking	$	67,745.00
Total Subconsultant Expense	**$**	**94,539.00**
Reimbursable Direct Non-Salary Costs		
Task 7A - Laboratory Analyses	$	12,240.00
Task 7A - Additional Sample Containers & Preservation	$	300.00
Task 9 - Sign Manufacturing and Installation	$	40,000.00
Total Reimbursable Expense	**$**	**52,540.00**
Total Estimated Budget	**$**	**263,323.07**

Exhibit C1
Addition of Nutrient Monitoring Parameters
(Task 7A)

PROPOSAL

Addition of Nutrient Monitoring Parameters

Marina Steps Innovative Stormwater BMPs Project

Ecology Grant No. WQNEPSW-2024-DeMSWD-00024

Submitted to: Washington State Department of Ecology

Prepared by Psomas | April 2026

1. Purpose

This proposal describes the addition of nitrogen and phosphorus monitoring to the Marina Steps Innovative Stormwater BMPs project. The nutrient parameters would be analyzed alongside the four existing analyte groups (6PPD-Q, PCBs as Aroclors, dissolved copper and zinc, and TSS) using the same flow-weighted composite samples, monitoring stations, and storm events already planned under the approved QAPP.

Two independent environmental drivers support this addition:

Nitrogen and Puget Sound Nitrification. Emerging evidence indicates that anthropogenic nitrogen loading is contributing to early-stage nitrification of Puget Sound, with dissolved inorganic nitrogen concentrations increasing in some marine monitoring datasets. Urban stormwater is a recognized non-point pathway for nitrogen to Puget Sound. Quantifying nitrogen export from bioretention media—particularly compost-amended blends known to leach nutrients—addresses a data gap directly relevant to regional nutrient management.

Phosphorus and Freshwater Eutrophication. Phosphorus loading from urban stormwater contributes to eutrophication in lakes and freshwater systems across western Washington. Bioretention facilities with compost-amended media have been documented to export phosphorus at concentrations exceeding influent levels (King County, 2017; 2019). Because the Marina Steps planters are underdrained systems discharging to receiving waters rather than infiltrating to groundwater, characterizing phosphorus export is essential to understanding the net environmental benefit of each media configuration.

2. Proposed Nutrient Parameters

The following nutrient constituents will be added to the analyte suite. The parameter selection is consistent with Ecology's TAPE (Technology Assessment Protocol – Ecology) framework, which evaluates phosphorus treatment performance using total phosphorus (TP) with a 50% removal goal. Although TAPE does not currently include a nitrogen treatment designation, the nitrogen species selected below are standard for stormwater nutrient characterization and will produce a TAPE-compatible dataset should Ecology adopt nitrogen treatment criteria in the future.

Table 1. Proposed nutrient analytical parameters.

Parameter	Method	Samples	Est. $/Sample	Lab Subtotal
Filter 0.45 micron (O-Phos)	Laboratory SOP	51	$25.00	$1,275
Nitrate + Nitrite-N	EPA 353.2	51	$40.00	$2,040
Nitrogen, Total Kjeldahl (TKN)	EPA 351.2	51	$55.00	$2,805
Phosphorous, Total (TP)	SM 4500-P E-11	51	$60.00	$3,060
Phosphorus, Ortho-P (SRP)	SM 4500-P E-11	51	$60.00	$3,060
Total Nitrogen (TN)	Calculation (TKN + NO_3 + NO_2)	51	—	Included
			Laboratory Subtotal	**$12,240**

Notes: Sample count matches existing analyte suite (48 post-construction + 3 baseline = 51). Lab costs are from the ARI Analytical Services Quotation dated April 24, 2026 (quote effective August 1, 2026 through May 31, 2027). TN is calculated from TKN + NO_3 + NO_2 at no additional analytical cost. Filtration for orthophosphate (0.45 µm) is included as a separate line item per ARI's standard practice.

3. Sampling Approach

No additional sampling events, monitoring stations, or field equipment are required. Nutrient samples will be collected by subsampling the same flow-weighted composite collected for the existing analyte suite at each of the four monitoring points (IF-1, BR-1, BR-2, BR-3) during each qualifying storm event.

Containers and preservation: Nutrient samples will be collected in HDPE bottles, preserved with H_2SO_4 to pH < 2, and held at ≤ 6°C. Holding time is 28 days for all nutrient parameters, which is substantially more forgiving than the 6PPD-Q and PCB holding times that currently govern field logistics.

Incremental field effort: The primary additional field labor is subsampling the composite into nutrient containers and applying acid preservation at each of the four stations during sample retrieval. With a two-person field crew, this is estimated at approximately 30 minutes per person per station per event, totaling 4 hours of additional labor per storm event (2 staff × 0.5 hr/station × 4 stations) and 60 hours over 15 events (12 wet-season + 3 extended). At a field technician rate of $175/hr, this totals $10,500.

4. QAPP Revisions Required

Adding nutrient parameters requires targeted revisions to the following QAPP sections:

- Section 3.2.3 (Parameters of Interest)
- Section 3.2.4 (Regulatory Criteria)

- Section 6.2 / Table 7 (MQOs)
- Section 7.2.2 (Analytes)
- Table 8 (Sample Containers)
- Table 9 (Analytical Methods)
- Tables 5 & 6 (Budget)

The estimated labor for QAPP revisions totals approximately 23 hours. These items are captured individually in the cost summary below.

5. Total Estimated Cost

Table 2. Estimated incremental project cost for nutrient monitoring addition.

Cost Item	Estimated Cost
Laboratory Analyses (nutrient suite, per ARI quote)	$12,240
Additional Sample Containers & Preservation	$300
Field Labor — Subsampling & Handling (2 staff × 0.5 hr/sta × 4 sta × 15 events @ $175/hr)	$10,500
QAPP Revision — Drafting (8 hrs @ $215/hr)	$1,720
QAPP Revision — Internal QC Review (4 hrs @ $215/hr)	$860
QAPP Revision — Ecology Comment Response (6 hrs @ $215/hr)	$1,290
Ecology Coordination Meeting (1 hr mtg × 3 staff + 2 hr prep @ $215/hr)	$1,075
Data Analysis & Reporting — Additional Sections	$3,500
Contingency (10%)	$3,149
TOTAL ESTIMATED ADDITIONAL COST	**$34,634**

Notes: Laboratory costs are per the ARI Analytical Services Quotation dated April 24, 2026 (15-day turnaround pricing). Field labor rate is $175/hr. Psomas engineering labor rate is $215/hr. Contingency covers potential additional lab QC sample costs and unforeseen coordination effort.

6. Value of the Addition

Nutrient monitoring generates substantial added value:

TAPE-format phosphorus data. The paired influent-effluent TP dataset from 12+ storm events will be eligible for TAPE Phosphorus Treatment evaluation if pursued.

Side-by-side media comparison for nutrient export. The controlled three-planter design with a common influent produces a uniquely rigorous comparison of nutrient leaching behavior across media types—standard 60:40 BSM versus two experimental lower-export formulations—under real storm conditions. Very few field studies in Washington have generated this type of paired nutrient data.

Regional relevance. With Puget Sound nitrification and freshwater eutrophication both receiving increased regulatory attention, nutrient export data from bioretention systems fills a recognized gap in the regional stormwater knowledge base. The data directly supports Ecology's nutrient management objectives and strengthens the project's contribution to the broader body of evidence informing future TAPE criteria development.

Marginal cost efficiency. Because the sampling infrastructure, field events, and QA framework are already funded and planned, nutrient monitoring rides on existing project logistics at a fraction of what a standalone nutrient study would cost.

7. Recommendation

Psomas recommends adding the nutrient parameters described in this proposal to the Marina Steps monitoring program. The addition requires no changes to the field sampling schedule, monitoring infrastructure, or storm event targets. The primary actions are to secure confirmation of analytical capacity and pricing from ARI, incorporate the targeted QAPP revisions described in Section 4, and procure the additional sample containers during the existing equipment procurement process.

The City of Des Moines has reviewed this proposal and supports the addition of nutrient monitoring to the project scope. We respectfully request Ecology's concurrence and financial assistance so that the nutrient parameters can be incorporated into the QAPP during the current revision cycle.

Brian L. Taylor, PE
Sr. Surface Water Engineer

Psomas

Exhibit C2
Biochar Design and Reporting
(Task 10)

CURTIS HINMAN&ASSOCIATES

PROPOSAL

CITY OF DES MOINES MARINE STEPS INNOVATIVE STORMWATER BMPS

On April 2, 2026, City of Des Moines (the City) and Curtis Hinman & Associates discussed developing a proposal for Mr. Hinman to assist with supplying filter media for the City of Des Moines Marine Steps Innovative Stormwater BMPs project. Specifically, Curtis Hinman and Associates will work with project partners to manufacture an innovative biochar and sand-based media designed to treat of metals, PCBs, and 6PPD-Q as well as eliminate export of phosphorous and nitrogen from the media. A potential additional outcome is that the biochar and sand media reduces influent nutrient concentrations.

On July 15, 2027, Curtis Hinman and Associates and PSOMAS (prime consultant for the City) agreed to update the existing contract based on this proposal. Primarily the new proposal separates work performed by Biological Carbon to manufacture biochar for the experimental media from tasks performed by Curtis Hinman and Associates.

The project consists of three bioretention planter cells (560 square feet each) adjacent to one another. One planter will contain Ecology's 60/40 sand-compost media and a second contains the high-performance bioretention mix (HPBSM). The third planter will be filled with an experimental media yet to be determined. The primary focus of this proposal is coordinating the development, delivery, and placement of the experimental media and to a lesser degree procuring the HPBSM.

The below scope of work for this proposal details activities, assumptions and deliverables associated with the following tasks:

- Task 1.0 Develop 1 to 2 biochars designed to treat metals, PCBs, and 6PPD-Q
- Task 2.0 Assist the City procure HPBSM
- Task 3.0 Reporting

TASK 1.0 – DEVELOP 1 TO 2 BIOCHARS DESIGNED TO TREAT METALS, PCBS, AND 6PPD-Q

Curtis Hinman & Associates will coordinate work with project partners to manufacture 1-2 biochars that are designed to treat metals, PCBs, and 6PPD-Q. Additionally, we will attempt to develop biochars that do not export and possibly reduce nutrient concentrations. Up to four experimental biochars will be developed at lab scale and tested for leaching and sorption of dissolved copper and ortho-phosphorus. The best performing biochar will then be selected for production and blended with sand at a ratio determined by the project team. Selection will be based on lab performance and cost and be in consultation with the City and PSOMAS. Currently, we anticipate the most expensive biochar will be approximately $1600/cubic yard and the least expensive biochar $800/cubic yard.

PROPOSAL

Assumptions

- The time frame of the project does not allow for testing candidate biochars in the lab (column study) for water quality treatment capability.
- Synthetic Precipitation Leaching Procedure (EPA Method 1312) will be used to evaluate leaching potential of four biochars for dissolve copper and ortho-phosphorus. Additionally, batch tests will be conducted on the same four biochars to determine sorption isotherms and the candidate biochars affinity for dissolved copper and ortho-phosphorus. These tests will provide a general and qualitative estimate of water quality treatment in the field.
- The City will cover manufacture of the biochar, shipping from the manufacturer, blending the biochar and sand, site delivery, and installation costs of the media.
- Curtis Hinman and Associates will assist with delivery, storage, and installation instructions

Deliverables

D1.1: Innovative media design memo

D1.2: One to two biochars designed to treat metals, PCBs, and 6PPD-Q, and not export nutrients

D1.3: Memo describing the biochar manufacturing

D1.4: SPLP and batch test results for four biochars

D1.6: Instructions for mixing, delivery, storage, and installation of the biochar and sand media

TASK 2.0 – ASSIST THE CITY PROCURE THE HPBSM

Several challenges exist to procure the HPBSM including: where to purchase and blend the components; the correct analyses for component verification; timing of those tests in relation to media delivery; identifying labs capable of conducting verification analyses; and proper installation.

Curtis Hinman and Associates led all research to develop the HPBSM and will assist the City answer the questions above and successfully procure and install the HPBSM. Specifically, Mr. Hinman will work with HPBSM component manufacturers, reliable blenders and suppliers, the consultant (PSOMAS), and the City to ensure the HPBSM meets specification and is delivered on time.

PROPOSAL

Assumptions

- The City is responsible for purchase of HPBSM as well as delivery and installation costs

Deliverables

D2.1: Lab reports for HPBSM component verification analyses

D2.2: Properly blended and delivered HPBSM that meets specification

TASK 3.0 – REPORTING

Curtis Hinman & Associates will provide a draft and final report on the activities and findings for tasks 1 and 2.

Deliverables

D3.1: A draft and final report.

BUDGET

Deliverable	Cost
Task 1: Develop 1 to 2 Biochars Designed to Treat Metals, PCBs, and 6PPD-Q	**$11,936.00**
Task 2: Assist the City Procure the HPBSM	**$4,480.00**
Task 3: Reporting	**$2,560.00**
Total	**$18,976.00**

Note: the above budget does not include material costs to manufacture and deliver the biochar to the site. The project contractor will be responsible for purchase and delivery of the biochar and sand, mixing the biochar and sand, and placement of biochar and sand media blend.

PROPOSAL

TIMELINE

The project will require approximately four months to complete. Assuming a contract is place by August 10, the project timeline will be:

July 16: Complete and deliver scope of work and budget

July 16—August 14: SPLP and sorption isotherm results

August 14—August 21: Review and select biochar for the experimental media

August 24—September 24: Manufacture biochar

September 30: Deliver biochars to Marine Steps installation site

Proposal author and contact information

Curtis Hinman

Curtis Hinman and Associates
1412 Wilson Ave
Bellingham, WA 98225
Phone: 253-330-9878

Email: curtis@curtishinmanassociates.com

Exhibit C3
Biochar Production (Biological Carbon)
(Task 11)

BIOLOGICAL CARBON

SCOPE OF WORK

Marina Steps Stormwater Filtration Media – Active Media Component Supply

Project: City of Des Moines, Washington
Marina Steps Stormwater Filtration Media
Contractor: Biological Carbon LLC

7/16/2026

Project Overview

Biological Carbon LLC will develop and supply active media components for experimental stormwater filtration media intended for use in the City of Des Moines Marina Steps project.

The final active media formulation will be informed by current filtration testing. The selected components support the treatment objectives for metals, nutrients, and organic contaminants. Biological Carbon LLC focuses on the production, sourcing, preparation, and blending of active components of filtration media.

Scope of Work

Biological Carbon LLC Tasks

Develop the Active Media Formulation

Review the available information (including team experience, literature review, and in-house laboratory work) and determine the appropriate blend of active media components for the Marina Steps project. The final component ratios will be based on the laboratory treatment performance, material compatibility, and practical production considerations. This portion of the project is to be billed as a separate line item of $7,818.00.

Note: The above initial phase is complete, and we are now waiting for 3rd party laboratory results to begin mixing the selected final media components. Once this is complete, we do the following:

BIOLOGICAL CARBON

1. **Manufacture and Prepare Biochar**
   Produce the biochar components required for the selected media formulation. The formulation may include both high-temperature biochar produced at approximately 800°C and low-temperature biochar produced at approximately 350°C. Biochar will be screened as appropriate and washed prior to final blending.
2. **Source Additional Active Media Components**
   Source and coordinate procurement of granular leonardite and zero-valent iron suitable for inclusion in the filtration media.
3. **Blend and Package Active Media**
   Blend the prepared biochar, leonardite, and zero-valent iron according to the selected formulation. The active media blend will be packaged in approximately one cubic yard bulk super sacks for transportation and final blending.
4. **Deliver Active Media Components**
   Coordinate the shipment of the packaged active media blend to Walrath Trucking in Washington. Walrath Trucking will complete the final blending of the active media components with the specified sand or aggregate fraction for delivery to the Marina Steps project.

Deliverables

Biological Carbon LLC will provide the formulated active media component blend packaged in approximately one-cubic-yard super sacks.

The final blend ratios and production quantities will be confirmed following the review of the filtration test results and the final media volume requirements for the Marina Steps project. We expect to produce 18 cubic yards of biochar-filtration media (to be mixed with sand) for a price not exceeding $1,600.00 per cubic yard.

Scope Limitations

This scope is limited to the development and supply of the active media components. Final sand or aggregate sourcing, final blending with the mineral media fraction, site installation, and construction activities are outside the scope of Biological Carbon LLC unless separately agreed upon.

Exhibit C4
Soil Mixing and Delivery (TE Walrath Trucking)
(Task 12)

11405 24th Ave E, Tacoma, WA 98445
Tel: (253) 531-7499

Effective Date: 06/22/2026
Expire Date: 12/31/2026
Salesperson: Jami Burke
Job Description: Marine Steps

Bill To

Name: Psomas
Address: ,
Contact: Marcus Vassey
Email: marcus.vassey@psomas.com
Phone: (253) 509-1408

Project

Name: Marine Steps
Address: Des Moines, WA
US
Lat/Long: 47.4017661, -122.3242902

Quote Memo

NOTE: BIORETENTION AND HP BAGS = 1.5YDS/BAG ALL SAND IS BY THE 1YD BAG. FLATBED PRICING IS BY THE LOAD. PLEASE NOTE THAT 8X30 SAND IS A PLACE HOLDER AND WILL BE CLASS 1 STATE SAND AND BSM SAND AT THE TIME OF DELIVERY. FILTER MEDIA = EXPERIMENTAL BIOCHAR MIX BY THE 1 YARD BAG.

Equip Type	Product Description	Quantity	Units	Quote Rate	Fuel Surcharge	Amount
Flat Bed	Bioretention Soil - Bagged	24.00	Each	$170.00	-	$4,080.00
	Hauling Details	1.00	Loads	$750.00	-	$750.00
Flat Bed	8 x 30 Sand - Bagged	35.00	Each	$142.00	-	$4,970.00
	Hauling Details	2.00	Loads	$750.00	-	$1,500.00
Flat Bed	HP Bioretention Bagged	24.00	Each	$445.00	-	$10,680.00
	Hauling Details	1.00	Loads	$750.00	-	$750.00
Flat Bed	8 x 30 Sand - Bagged	35.00	Each	$142.00	-	$4,970.00
	Hauling Details	2.00	Loads	$750.00	-	$1,500.00
Flat Bed	Filter Media Bagged	35.00	Each	$895.00	-	$31,325.00
	Hauling Details	1.00	Each	$750.00	-	$750.00
Flat Bed	8 x 30 Sand - Bagged	35.00	Each	$142.00	-	$4,970.00
	Hauling Details	2.00	Loads	$750.00	-	$1,500.00

Total: $67,745

GENERAL TERMS AND CONDITIONS

1. FUEL SURCHARGE: Fuel surcharge rates will apply to transportation only and will be based on West Coast. Fuel prices can be found at http://www.eia.gov/petroleum/gasdiesel/

2. PAYMENT TERMS: All invoices are due and payable in full by the due date stated on the invoice. Accounts not paid when due may be subject to a finance charge of 1.5% (18% Annual) on the unpaid balance, or the maximum rate allowed by law, whichever is less. We reserve the right to suspend services, place the account on hold, and/or withhold future deliveries or work until all past due balances, including applicable finance charges, are paid in full.

3. CONVENIENCE FEE: A convenience fee of 3% will be applied to all payments made by credit card. This fee is charged to cover the processing costs associated with credit card transactions and is not greater than our cost of acceptance. You may avoid this fee by choosing to pay via check, ACH, or other non-credit card methods.

4. TAXES: Prices quoted do not include any federal, state or location sales or excise taxes.

5. DELAYS: T. E. Walrath Trucking, Inc. (“TEW”) will not be responsible for delays due to Acts of God, strikes, fire, Governmental regulations, or other causes beyond our control.

6. WARRANTIES: TEW has not made, and does not make, any other warranties, express or implied, in connection with this quote, and there are no conditions, agreements, representation or obligations between the parties which are not expressed herein.

7. SPECIAL DELIVERIES: The Purchaser agrees to provide suitable roadways or approaches to points of delivery. If such suitable roadways or approaches are not provided, TEW reserve the right to stop deliveries until conditions are remedied. In the event Purchaser order delivery beyond the curb line he will hold TEW harmless against all liability of claim thereof for damage to sidewalks, driveways and against other damage resulting there form on the premises and not causes by act of negligence of TEW’s employees.

8. DETENTION OF TRUCKS AT THE BUILDING SITE: Prices quoted herein are based on prompt unloading of trucks. A maximum of 15 minutes free time per truck is allowed for unloading. Trucks held at the job more than the allowed time may be billed, at TEW’s sole discretion, at the stand-by rate of $160/hr, unless expressly quoted otherwise. In case of repeated delays in unloading TEW reserves the right to discontinue deliveries until conditions are corrected.

9. In the event that legal action is started to enforce any of the terms herein, including collection of balances due, the prevailing party shall be entitled to recover costs of suit including reasonable attorney or collection fees.

At the option of TEW the venue of any lawsuit arising herefrom shall be in the Superior Court in or for Pierce County.

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Groundwater Remediation Consultant Contract**

ATTACHMENTS:
1. WSP USA Inc., Groundwater Remediation Consultant Contract
2. WSP 2025 Annual Ground Water Monitoring Report

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Public Works

DATE SUBMITTED:
August 14th, 2026

CLEARANCES:
Finance
Public Works

Purpose and Recommendation

The purpose of this agenda item is to seek City Council approval of a consultant services contract with WSP USA, Inc. (Attachment 1) that will provide sampling, reporting, well decommissioning, and well installation tasks associated with the Public Works Yard Ground Water Remediation Project. In addition, approval from Council is requested to direct staff to prepare a budget amendment for the City self-insurance fund to provide added funding in 2026. The following motions will appear on the Consent Agenda:

Motion 1: "I move to approve the consultant services contract with WSP USA, Inc. to provide consultant services for the Public Works Yard Ground Water Remediation Project in the amount of $119,356.00 and authorize the City Manager to sign said Task Assignment Supplement substantially in the form as submitted."

Motion 2: "I move to direct Administration to submit a budget amendment for the 2026 self-insurance fund to incorporate the 2026 WSP USA, Inc consultant services contract."

Strategic Plan Priority

Public Safety; Natural and Built Environment

Background

Over the past 33 years, the City of Des Moines has been actively remediating and monitoring the site at 21650 11th Avenue South. The site is the location of two underground storage tank (UST) releases: one 4,000-gallon gasoline UST and one 1,000-gallon diesel UST located between the City of Des Moines shop and engineering building. The USTs were removed in 1992, and 1,500 cubic yards of contaminated soil was excavated from the tank cavities.

The City of Des Moines has been in the Voluntary Cleanup Program (VCP) since 2000 (Site ID #NW0529) and provides annual reports to the Washington State Department of Ecology (Ecology) summarizing the quarterly groundwater monitoring and the remedial activities conducted.

Since then, 15 monitoring wells have been installed, and a groundwater recovery and air diffusing treatment system were installed in 2008. The groundwater treatment system operated until 2021 when the aging system failed. In April 2024, WSP oversaw In Situ Chemical Oxidation (ISCO) injections at the site in the areas of elevated contaminants. The wells have continued to be monitored, and concentrations of the constituents of concern (COCs) have been below the cleanup levels for at least four quarters in all but one remaining well. The last well, MW-14, has yielded results of gasoline and benzene concentrations that fluctuate slightly above and below the cleanup levels. See WSP's 2025 Annual Ground Water Monitoring Report (Attachment 2).

On April 28, 2026, the Department of Ecology (Ecology) accepted the City's request to decommission the following wells from the sampling program: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, MW-11 and MW-12. Ecology also accepted the proposed location for the new monitoring well, MW-16, downgradient from MW-14 and MW-15, which was recommended by Ecology. The City intends to stay in the VCP and remain active until the remediation is sufficiently complete to obtain a no further action determination from Ecology.

Discussion

WSP USA, Inc. has participated in this clean up project for more than a decade and offers a comprehensive understanding of the site's history and current status. WSP USA, Inc has prepared a 2026 scope of work (Attachment 1), to assist the City in meeting VCP reporting obligations and fulfill the monitoring well modification approved by Ecology. The proposed scope of work includes:

1. Four quarterly groundwater sampling events and associated reporting.
2. Decommissioning of 11 monitoring wells.
3. One monitoring well installation.
4. Further reporting and project management.

Alternatives

The City Council could elect not to approve the Consultant Contract with WSP USA, Inc.

to provide consultant services for the Public Works Yard Ground Water Remediation Project. The City does not have adequate resources or staffing to perform these services and the City may lose its current status in the Ecology VCP program.

Financial Impact

The proposed budget amendment of $60,000 would be added to 2026 self-insurance fund budget to accommodate the current proposed WSP USA, Inc scope of work. The 2027 self-insurance fund budget has adequate funding to support this project.

Recommendation

Staff requests that Council approve the proposed motions.

WSP USA Inc.
18300 Redmond Way
Suite 200
Redmond, WA 98052
United States
T +1 425-883-0777
wsp.com

07-08-2026
Reference: 2026US628882

Mr. Tyler Beekley and Mr. Jeron Griffin
City of Des Moines
21650 11th Avenue South
City of Des Moines, WA 98198

2026 New Activity

City of Des Moines Shop Area

Dear Mr. Beekley and Mr. Griffin,

On April 28, 2026, Olu Akeroro of the Department of Ecology (Ecology) sent an email to the City of Des Moines (City) that referenced a Request for Opinion memo dated March 19, 2026, from WSP. In his email, Mr. Akeroro accepted WSP's request to decommission the following wells from the sampling program: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, MW-11 and MW-12. Ecology also accepted WSP's proposed location for the new monitoring well, MW-16, downgradient from MW-14 and MW-15, which was recommended by Mr. Akeroro. The activities summarized in this proposal reflect the tasks approved or recommended by Ecology in Mr. Akeoro's email.

This scope of work covers the following activities:

- groundwater monitoring and reporting
- monitoring well decommissioning
- monitoring well installation
- data upload to the Washington Department of Ecology (Ecology) Environmental Information Management (EIM) Database

These activities will be conducted in 2026 by WSP USA Inc. (WSP) at the City of Des Moines Department of Public Works facility. This scope does not include any injection event or any changes to the status of the in-place groundwater treatment system. This letter outlines the scope of work for monitoring well decommissioning, well installation and groundwater monitoring services. This scope also outlines additional reporting tasks associated with the Ecology's request from the email of April 28, 2026.

Task 1: Quarterly sampling and reporting

The scope of work includes four quarterly groundwater sampling events (August and early December 2026 and March and July of 2027). The costs associated with quarterly sampling and reporting are travel expenses, travel time, sampling, sampling supplies, quarterly sample analysis, and project management.

Samples will be collected from four groundwater monitoring wells MW-13, MW-14, MW-15, and from new monitoring well MW-16. One duplicate will be collected per quarterly sampling event. The groundwater samples will be analyzed for total petroleum hydrocarbons such as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). Task 1 includes routine updates and communications with the City of Des Moines Public Works Department regarding the facility. Water level monitoring will be collected from five accessible groundwater monitoring wells, which will include MW-7, MW-13, MW-14, MW-15 and MW-16.

Task 1 also includes costs associated with data validation memoranda, data calculations, and the 2026 Annual Report, which will be submitted to the Washington State Department of Ecology in January 2027. Note that the 2026 Annual Report will cover activities completed between July 1, 2025, and December 31, 2026.

Task 2: Monitoring well decommissioning

The scope of work for Task 2 consists of field and reporting tasks associated with decommissioning of 11 monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, MW-11 and MW-12) on site and at the neighboring site (Water District, offsite wells). The costs for Task 2 include field work, travel expenses, travel time, field supplied, reporting, and project management.

Task 3: Monitoring well installation

The scope of work for Task 3 consists of field and reporting tasks associated with installation of one new monitoring well. The costs for Task 3 include field work, travel expenses, travel time, field supplied, reporting, and project management.

Task 4: EIM database upload

Ecology requires uploading the Site data to the Ecology Environmental Information Management System (EIM) database before the Site can receive closure and a No Further Action opinion. WSP previously uploaded data from 2019 through second quarter of 2025. WSP will upload data from third quarter of 2025 to present.

Task 5: Project management and communication

The scope of work for Task 5 consists of project management and consulting with the City of Des Moines regarding the VCP status and potential future activities. The costs for Task 5 include project management and participation in conference calls.

Task 6: Scope development for next steps

The scope of work for Task 6 consists of development of scope for the next steps based on the list of “Items Needed to Meet Remedial Investigation Requirements” presented in Ecology’s email of April 28, 2026. We will propose this list for the 2027 activities because they will be important after the 2026 analytical results are known.

This task includes cost for consulting with Ecology and the City of Des Moines on these next steps. The costs for Task 6 also include development of scope of work.

Estimated budget

The attached budget presents the estimated costs for the proposed scope of work for work through December 31, 2026. The estimated budget to complete the scope of work described herein is approximately $119,356. Services will be billed on a time-and-materials basis under WSP's current time-and-materials services agreement. The overall budget will not be exceeded without authorization. Only actual expended labor hours will be billed, and the estimated cost will not be exceeded without prior approval.

Assumptions

The following assumptions were used:

Task 1:

1. One site visit will be conducted during each quarter of 2026 for groundwater sampling events (four visits total).
2. WSP will obtain water levels from five groundwater wells during each sampling event.
3. GIS/CAD will be used to create groundwater elevation contour maps.
4. WSP will obtain samples from four wells during each sampling event.
5. One field duplicate sample will be collected during each sampling event and will also be analyzed.
6. Each groundwater sample will be analyzed for TPH-G and BTEX and analysis of investigated-derived waste.
7. Investigation-derived liquid waste will be disposed of off-site by a contractor under WSP's oversight.
8. Two rounds of investigation-derived liquid waste are assumed for 2026.
9. Costs for investigation-derived waste disposal include drums and waste characterization.
10. Work will be conducted from Monday through Friday between the hours of 8 a.m. and 5 p.m.

Task 2:

1. Monitoring Well Decommissioning will be conducted in one mobilization. Eleven monitoring wells will be decommissioned during this mobilization.
2. WSP will obtain water levels from 11 groundwater wells before decommissioning.
3. Drilling work will be performed by Washington Licensed Driller subcontracted by WSP.
4. Investigation-derived solid waste will be disposed of off-site by a contractor under WSP's oversight;
5. Costs for investigation-derived waste disposal include drums and waste characterization.
6. Work will be conducted from Monday through Friday between the hours of 8 a.m. and 5 p.m.

Task 3:

1. Monitoring Well installation will be conducted in one mobilization. One new monitoring well will be installation during this mobilization.
2. MW-16 will be installed to a depth of approximately 18 feet.
3. Drilling work will be performed by Washington Licensed Driller subcontracted by WSP.
4. Investigation-derived solid waste will be disposed of off-site by a contractor under WSP's oversight.
5. Costs for investigation-derived waste disposal include drums and waste characterization.
6. Work will be conducted from Monday through Friday between the hours of 8 a.m. and 5 p.m.

Task 4:

1. WSP will use previous electronic data from the Site to upload to the EIM database;
2. EQuIS EDD files from OnSite Environmental will be downloaded in an Excel EDD from EQuIS website;
3. The data files, starting from the last two quarters of 2025, will be manually put into Ecology's Excel template to upload to the site:
    a. Assuming WSP can download the Excel files off the EQuIS website from the EDD files.
    b. If the downloaded Excel files don't work to upload to the Ecology website, manual conversion of the files will be required to match the template provided.
4. Ecology's database is working properly when we are uploading the data.

Task 5:

1. No site visits will be conducted under Task.
2. WSP will participate in up to two conference calls with the City of Des Moines Department of Public Works to discuss Ecology's process.
3. WSP will procure the laboratory for quarterly monitoring.
4. WSP will procure the drilling subcontractor for the monitoring well decommissioning and installment tasks.

Task 6:

1. WSP will develop scope of work for the next steps.
2. WSP may prepare additional report to include response for Ecology requested action items on April 28, 2026.
3. Remedial activities such as excavation and or additional site characterization might be included in the 2027 scope and budget, depending on Ecology's recommended next steps after viewing all the 2026 data.
4. WSP will participate in conference calls with the City of Des Moines Department of Public Works and Ecology to discuss next steps as part of the scope of work development.

WSP will provide these services using its commercially reasonable best efforts consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions in this region. Opinions provided by WSP will depend on the information available for review, site observations, and information provided by the client. WSP has estimated the level of effort for this task; however, unknown circumstances could arise that may require a budget modification. WSP will inform you and receive your concurrence to proceed if we encounter circumstances that cause this estimate to be exceeded.

Closing

We appreciate the opportunity to assist the City in this project. Please have an appropriate representative prepare and send the negotiated agreement to authorize these services for review and signature. If you have any questions or require additional information, please feel free to contact the undersigned.

Sincerely,

WSP USA Inc.

Leah R. Vigoren
Senior Project Manager
E-mail: leah.vigoren@wsp.com

Kathleen Goodman, L.G., L.Hg.
Principal Hydrogeologist
E-mail: kathleen.goodman@wsp.com

https://wsponlinenam.sharepoint.com/sites/us-leahsprojects/shared documents/city of des moines/us0043858.1881 - us-2025 environmental consulting services/1_proposal & projects/2026/proposal/proposal 2026us628882_2026 des moines.docx

Attachments: Cost estimate
Agreement for consulting services

Attachments

WSP USA Inc.
Description: 2026 Proposal
Proposal No. 2026US628882
Cost Element Breakdown

Item		Task 1 Sampling and Reporting		Task 2 Monitoring Well Decommissioning		Task 3 Monitoring Well Installation and Development		Task 4 EIM Database Upload		Task 5 Project Management and Consulting		Task 6 Scope of Work Development		Total	
Labor	**Rate**	**Hours**	**Amount**	**Hours**	**Amount**	**Hours**	**Amount**	**Hours**	**Amount**	**Hours**	**Amount**	**Hours**	**Amount**	**Hours**	**Amount**
Principal	$195.00	10	$1,950	10	$1,950	10	$1,950	10	$1,950	8	$1,560	20	$3,900	40	$7,800
Senior Engineer/Scientist 2	$187.41	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0
Senior Engineer/Scientist 1/Ind. Hyg.	$152.43	15	$2,286	0	$0	10	$1,524	40	$6,097	20	$3,049	40	$6,097	65	$9,908
Project Engineer	$131.25	80	$10,500	40	$5,250	40	$5,250	40	$5,250	10	$1,313	40	$5,250	200	$26,250
Staff Level II	$97.45	100	$9,745	100	$9,745	40	$3,898	0	$0	0	$0	0	$0	240	$23,388
CADD Operator	$131.02	20	$2,620	0	$0	0	$0	5	$655	0	$0		$0	25	$3,275
Word Processor/Clerical/Procurement	$77.93	20	$1,559	0	$0	0	$0	4	$312	4	$312	4	$312	24	$1,870
Technical Editor	$123.30	20	$2,466	0	$0	0	$0	4	$493	4	$493	4	$493	24	$2,959
Total Labor			**$31,126**		**$16,945**		**$12,622**		**$14,757**		**$6,726**		**$16,052**		**$62,829**
Contractor Cost	**Rate**	**Number**	**Amount**		**Amount**		**Amount**		**Amount**		**Amount**		**Amount**		**Amount**
Laboratory	Estimate		$3,900		$0		$1,000		$0		$0		$0		$3,900
Utility Survey	Estimate		$0		$0		$500		$0		$0		$0		$500
Well Survey	Estimate		$0		$0		$1,000		$0		$0		$0		$1,000
Drilling Contractor	Estimate		$0		$28,687		$0		$0		$0		$0		$28,687
Miscellaneous operations & maintenance	Estimate		$0		$0		$500		$0		$0		$0		$500
Investigation-derived waste disposal	Estimate		$4,000		$ 5,000.00		$1,000		$0		$0		$0		$10,000
Sampling Equipment	$500.00	4	$2,000		$0		$500		$0		$0		$0		$2,500
Total Subcontractors			$9,900		$33,687		$4,500		$0		$0		$0		$48,087
Direct Costs	**Rate**	**Number**	**Amount**		**Amount**		**Amount**		**Amount**		**Amount**		**Amount**		**Amount**
Office overhead markup on labor	6%		$1,868		$1,017		$757		$885		$404		$963		$3,770
Subcontractor markup	10%		$990		$3,369		$450		$0		$0		$0		$4,359
Mileage (per mile)	$0.63	500	$313		$0		$0		$0		$0		$0		$313
Permit Fees															$0
Total Direct Costs			**$3,170**		**$4,385**		**$1,207**		**$885**		**$404**		**$963**		**$8,441**
Total															
Total Price			**$44,197**		**$55,017**		**$18,330**		**$15,643**		**$7,130**		**$17,015**		**$119,356**

AGREEMENT FOR CONSULTING SERVICES (EARTH AND ENVIRONMENT)

City of Des Moines ("CLIENT") and WSP USA Inc. ("CONSULTANT") agree this 08th day of July, 20 26 that the following terms and conditions will apply to any services, including subsequent services and changes, (collectively "Services") to be provided by CONSULTANT relating to Proposal No. 2026US628882, dated July 8, 2026 (collectively the "Agreement"):

1. STANDARD OF CARE

Services performed by CONSULTANT will be conducted in a manner consistent with that level of care and skill ordinarily exercised by other professionals practicing contemporaneously, under similar conditions, in the same locality, subject to the time limits and financial, physical, or other constraints applicable to the Services. No warranty, express or implied is made.

2. INVOICES AND PAYMENT TERMS

A. Unless otherwise specified in any proposal, CONSULTANT will submit monthly invoices to CLIENT and a final bill upon completion of Services. CLIENT shall notify CONSULTANT within ten (10) days of receiving an invoice of any dispute with the invoice and the parties shall promptly resolve any disputed items. If notice is not received within (10) days of receiving the invoice, the invoice is deemed to be correct, and CLIENT shall pay CONSULTANT the full sum according to the invoice. Full payment is due prior to delivery of CONSULTANT'S final deliverable. All monies due to CONSULTANT shall be paid in US $ (Dollars) unless specifically detailed otherwise. CLIENT shall pay all conveyance, transfer and recording fees and taxes, if any, imposed on any transfer of, or construction, on property contemplated by this Agreement. Payment on undisputed invoice amounts is due upon receipt of invoice by CLIENT and is past due thirty (30) days from the date of the invoice. CLIENT agrees to pay a finance charge of one and one-half percent (1-1/2%) per month (18% per annum) compounded daily, or the maximum rate allowed by law, on past due accounts. If payment remains past due sixty (60) days from the date of the invoice, then CONSULTANT shall have the right to suspend or terminate all Services under this Agreement, without prejudice or penalty. CLIENT will pay all reasonable demobilization and other suspension or termination costs. CLIENT agrees to pay attorneys' fees, legal costs and all other collection costs incurred by CONSULTANT in pursuit of past due payments.

B. Where the cost estimate for the Services is "not to exceed" a specified sum, CONSULTANT shall notify CLIENT before each limit is exceeded, and shall not continue to provide Services beyond such limit unless CLIENT authorizes an increase in the amount of the limitation. If a "not to exceed" limitation is broken down into budgets for specific tasks, the task budget may be exceeded without CLIENT authorization as long as the total limitation is not exceeded.

C. If CONSULTANT is required by the CLIENT to provide additional services outside the scope of the Services set out in the proposal, the CLIENT shall make payment according to the hourly rates and sums set out in the proposal.

D. Support for depositions, response to Subpoenas, legal or regulatory proceedings, and expert testimony shall be charged at 150% of the labor rates set forth in the proposal.

3. CHANGES

CLIENT and CONSULTANT recognize that it may be necessary to modify the scope of Services, schedule, and/or cost estimate proposed in this Agreement. to the extent such modifications change the Services, schedule, and/or the cost, the parties shall mutually agree upon equitable adjustment as appropriate under the circumstances. CONSULTANT shall notify CLIENT in a timely manner when it has reason to believe a change to the Agreement is warranted. CONSULTANT shall prepare a change order request outlining the changes to the scope, schedule, and/or cost. CLIENT has a duty to promptly consider the change order request and advise CONSULTANT in a timely manner in writing on how to proceed. If, after a good faith effort by CONSULTANT to negotiate modifications to the scope of Services, schedule, and/or cost estimate, an agreement has not been reached with the

CLIENT, then CONSULTANT shall have the right to terminate this Agreement, without prejudice or penalty, upon written notice to the CLIENT.

4. SCHEDULE

CONSULTANT agrees to exercise diligence in the performance of its services consistent with the agreed upon project schedule, subject to the exercise of the generally accepted standard of care for performance of such services, as stated in Article 1, Standard of Care.

5. DELAYS AND FORCE MAJEURE

A. If site or other conditions prevent or inhibit performance of Services or if unrevealed hazardous materials or differing site conditions are encountered, Services under this Agreement may be delayed. The schedule and contract completion date shall be extended accordingly, and CLIENT shall pay CONSULTANT for Services performed to the delay commencement date plus reasonable delay charges. Delay charges shall include personnel and equipment rescheduling and/or reassignment adjustments and all other related costs incurred including but not limited to, labor and material escalation, and extended overhead costs, attributable to such delays. CLIENT shall not hold CONSULTANT responsible for damages or delays in performance caused by acts or omissions of CLIENT, its subcontractors, site conditions or conditions related to unrevealed hazardous materials which prevent or inhibit performance of Services.

B. Neither party shall be deemed in default of this Agreement to the extent that any delay or failure in the performance of its obligations (other than the payment of money) results, without its fault or negligence, from any cause beyond its reasonable control, such as governmental authorities, regulatory agencies, civil or labor unrest, epidemics or pandemics, acts of God, nature, or terror, disruptions of the Internet, electronic telecommunications or hosting services or any other events that are beyond the reasonable control of the parties. In the event of any such delays, then the party whose performance is delayed or impaired by such condition shall give prompt written notice to the other party as to the nature and anticipated extent of the delay or impairment.

C. Delays in excess of thirty (30) days within the scope of this Article shall, at the option of either party, make this Agreement subject to termination or to renegotiation.

6. INDEPENDENT JUDGMENTS OF CLIENT

If the Services include the collection of samples and data, then CONSULTANT'S obligation to perform those Services is subject to CLIENT's assumption of all Subsurface Risks (such risks being more fully described in Article 13, Subsurface Risks). CONSULTANT will not be responsible for the independent conclusions, interpretations, interpolations or decisions of CLIENT, or others, relating to the Services. Under no circumstances do CONSULTANT'S Services include making any recommendation or giving any advice as to whether CLIENT should or should not proceed with any transaction regarding any site related to the Services. CLIENT assumes all responsibility and risk associated with decisions it makes based on the Services.

7. INDEMNIFICATION

A. To the maximum extent allowed by law, CONSULTANT agrees to indemnify, but not defend, CLIENT and its officers, directors, and employees from and against all claims, damages, losses, or expenses arising from personal injury, death, or damage to third-party property, and for reimbursement of defense costs, to the extent that all such claims, damages, losses, expenses, or costs are finally determined to be proximately caused by CONSULTANT'S negligence. Such indemnification, as limited by Article 8, Limitation of Liability, shall be CLIENT's sole and exclusive remedy against CONSULTANT.

B. To the maximum extent allowed by law, CLIENT shall, at all times, defend, indemnify and save harmless CONSULTANT and its subcontractors, consultants, agents, officers, directors and employees from and against all claims, damages, losses and expenses (including but not limited to reasonable attorneys' fees, and court and arbitration costs), arising out of or resulting from the Services of CONSULTANT, including but not limited to claims made by third parties, or any claims against CONSULTANT arising from the acts, errors or omissions of CLIENT, its employees, agents, contractors and subcontractors or others. To the fullest extent permitted by law, such indemnification shall apply regardless of breach of contract or strict

liability of CONSULTANT. Such indemnification shall not apply to the extent that such claims, damages, losses, or expenses are finally determined to be proximately caused by CONSULTANT'S negligence.

8. LIMITATION OF LIABILITY

A. CLIENT shall immediately notify CONSULTANT in writing of any deficiencies or suspected deficiencies arising directly or indirectly from CONSULTANT'S negligent acts, errors, or omissions. Failure by CLIENT to notify CONSULTANT shall relieve CONSULTANT of any further responsibility and liability for such deficiencies. To the extent permitted by law, CLIENT and CONSULTANT agree that all liability arising directly or indirectly from this Agreement or the Services of CONSULTANT shall expire no later than one (1) year from the date of CONSULTANT'S acts, errors, or omissions or prior to the last date allowed in the applicable statute of limitation, whichever occurs first in time.

B. CLIENT agrees to limit the liability of CONSULTANT, its affiliates, and their respective employees, officers, directors, agents, consultants and subcontractors ("CONSULTANT Group") to CLIENT, its employees, officers, directors, agents, consultants and subcontractors, whether in contract, tort, or otherwise, which arises from CONSULTANT'S acts, negligence, errors or omissions, such that the total aggregate liability of the CONSULTANT Group to all those named shall not exceed Fifty Thousand Dollars ($50,000) or CONSULTANT'S total fee for the Services rendered under this Agreement, whichever is greater.

C. Neither party shall be responsible to the other for lost revenues, lost profits, cost of capital, claims of customers, loss of data or any other special, indirect, consequential, or punitive damages.

9. INSURANCE

A. CONSULTANT maintains insurance coverage with the following limits:

(i) Workers' Compensation in compliance with statutory limits

(ii) Automobile Liability

Combined Single Limit	$5,000,000

(iii) Commercial General Liability:

Each Occurrence	$3,500,000
General Aggregate	$7,500,000

(iv) Professional Liability Insurance

Any One Claim	$1,000,000
Policy Aggregate	$3,000,000

B. CLIENT shall not require CONSULTANT to sign any document or perform any Service which in the judgment of CONSULTANT would risk the availability or increase the cost of its Professional or Commercial General Liability insurance.

10. PROFESSIONAL WORK PRODUCT

A. The Services provided by CONSULTANT are intended for one time use only. All documents, including but not limited to, reports, plans, designs, boring logs, field data, field notes, laboratory test data, calculations, and estimates and all electronic media prepared by CONSULTANT are considered its professional work product (the "Documents"). CONSULTANT retains all rights to the Documents.

B. CLIENT understands and acknowledges that the Documents are not intended or represented by CONSULTANT to be suitable for reuse by any party, including, but not limited to, the CLIENT, its employees, agents, subcontractors, or subsequent owners on any extension of a specific project not covered by this Agreement or on any other project, whether CLIENT's or otherwise, without CONSULTANT'S prior written permission. CLIENT agrees that any reuse unauthorized by CONSULTANT will be at CLIENT's sole risk and that CLIENT will defend, indemnify, and hold CONSULTANT harmless from any loss or liability resulting from the reuse, misuse, or negligent use of the Documents.

11. DATA AND INFORMATION

A. **Project Information.** Before the commencement of Services by CONSULTANT or its subcontractors, and continuing thereafter, CLIENT shall immediately notify CONSULTANT of any known or potential health or safety hazards, hazardous substances or conditions existing on or near the project site. Furthermore, CLIENT shall promptly provide CONSULTANT with all relevant, reports data, studies, plans, specifications, documents, and information in its possession relating to the site history, to the project, and to the environmental, geologic, and geotechnical surface and subsurface conditions of the site and surrounding areas ("Project Information") or any other information related to the project that CONSULTANT may reasonably request. CONSULTANT shall be entitled to rely upon the Project Information provided by CLIENT or others and CONSULTANT assumes no responsibility or liability for the accuracy or completeness of such. CLIENT waives any claim against CONSULTANT, and agrees to defend, indemnify, and hold CONSULTANT harmless from any claim or liability for injury or loss allegedly arising from incomplete Project Information, errors, omissions, or inaccuracies in the Project Information. CONSULTANT will not be responsible for any interpretations or recommendations generated or made by others, which are based, whole or in part, on CONSULTANT'S data, interpretations, or recommendations.

B. **Personal Information**. Each Party shall at all times comply with the requirements of applicable personal privacy legislation with respect to the collection, use and disclosure of personal information in connection with this Agreement. Client warrants that any such personal information (including personally identifiable information) was processed in compliance with all applicable laws.

12. RIGHT OF ENTRY

CLIENT will provide for the right of entry for CONSULTANT, its subcontractors, and all necessary equipment in order to complete the Services under this Agreement. If CLIENT does not own the site, CLIENT shall obtain permission and execute any required documents for CONSULTANT to enter the site and perform Services. It is understood by CLIENT that in the normal course of work some surface damage may occur, the restoration of which is not part of this Agreement.

13. SUBSURFACE RISKS

A. Special risks occur whenever engineering or related disciplines are applied to identify subsurface conditions. Even a comprehensive sampling and testing program implemented in accordance with a professional Standard of Care may fail to detect certain conditions. The environmental, geological, geotechnical, geochemical, hydrogeological, and other conditions that CONSULTANT interprets to exist between sampling points may differ from those that actually exist. Furthermore, CLIENT recognizes that, passage of time, natural occurrences, direct or indirect human intervention at or near the site may substantially alter discovered conditions.

B. Subsurface sampling may result in damage or injury to underground structures or utilities and unavoidable contamination of certain subsurface areas not known to be previously contaminated such as, but not limited to, a geologic formation, the groundwater, or other hydrous body. CONSULTANT will adhere to the standard of care during the conduct of any subsurface investigation. When the Services include subsurface sampling, CLIENT waives any claim against CONSULTANT, and agrees to defend, indemnify, and hold CONSULTANT harmless from any claim or liability for injury, loss, or expense (including but not limited to legal fees) which may arise as a result of alleged or actual cross-contamination caused by any subsurface investigation or any damage or injury to underground structure, formation, body, or utilities.

14. DISPOSAL OF SAMPLES, MATERIALS AND CONTAMINATED EQUIPMENT

A. All samples obtained pursuant to this Agreement remain the property and responsibility of CLIENT. Uncontaminated soil and rock samples or other specimens maybe disposed of thirty (30) days after submission of the work product due pursuant to the Proposal. Upon written request, CONSULTANT will store uncontaminated samples for longer periods of time or transmit the samples to CLIENT for a mutually acceptable charge.

B. All contaminated samples and materials (containing or potentially containing hazardous constituents), including, but not limited to soil cuttings, contaminated purge water, and/or other environmental wastes obtained pursuant to this Agreement remain the property and responsibility of CLIENT and shall be returned to CLIENT for proper disposal. All laboratory and field equipment that cannot readily and adequately be cleansed of its hazardous contaminants shall become the property

and responsibility of CLIENT. All such equipment shall be charged and turned over to CLIENT for proper disposal. Alternate arrangements to assist CLIENT with proper disposal of such equipment, materials and samples may be made at CLIENT's direction and expense unless otherwise specified in a separate Agreement or addendum to this Agreement. In such event, CLIENT agrees to have a representative available to sign all certifications, manifests, and other documents reasonably required by CONSULTANT and associated with the transportation, treatment and disposal, or handling of hazardous substances, waste, or materials from the project property site, and derived from CONSULTANT'S performance of the Services, including investigation derived wastes. If such CLIENT representative is unavailable and CONSULTANT is required to execute any such documents on CLIENT's behalf, CLIENT acknowledges that CONSULTANT shall be acting only as offeror or agent on behalf of CLIENT. It is understood and agreed that CONSULTANT is not, and has no responsibility as, a handler, generator, operator, treater, storer, arranger, transporter, or disposer of hazardous substances, waste or materials found or identified at or around the project site property. CLIENT agrees to waive any claim against CONSULTANT and to defend, indemnify and hold CONSULTANT harmless from and against any claims, losses, damages, expenses (including, but not limited to, legal fees), and liabilities of any type arising out of the discovery and disposal of any alleged or actual hazardous substances, wastes or materials found or identified at or around the project site property.

15. CONTROL OF WORK AND JOB-SITE SAFETY

A. CONSULTANT shall be responsible only for its activities and that of its employees and subcontractors. CONSULTANT'S Services under this Agreement are performed for the sole benefit of the CLIENT and no other entity shall have any claim against CONSULTANT because of this Agreement or the performance or nonperformance of Services hereunder. CONSULTANT will not direct, supervise or control the work of other consultants and contractors or their subcontractors. CONSULTANT does not guarantee the performance of, and shall have no responsibility for, the acts or omissions of any other contractor, subcontractor, supplier, or other entities furnishing materials or performing any work on the project.

B. Insofar as job site safety is concerned, CONSULTANT is responsible only for the health and safety of its employees and subcontractors. Nothing herein shall be construed to relieve CLIENT or any other consultants or contractors from their responsibilities for maintaining a safe job site. CONSULTANT shall not advise on, issue directions regarding, or assume control over safety conditions and programs for others at the job site. Neither the professional activities of CONSULTANT, nor the presence of CONSULTANT or its employees and subcontractors, shall be construed to imply that CONSULTANT controls the operations of others or has any responsibility for job site safety.

16. PUBLIC RESPONSIBILITY

CLIENT has a duty to comply with applicable codes, standards, regulations, and ordinances, with regard to public health and safety. While CONSULTANT performs the Services, it will endeavor to alert CLIENT to any matter of which CONSULTANT becomes aware and believes requires CLIENT's immediate attention to help protect public health and safety, or which CONSULTANT believes requires CLIENT to issue a notice or report to certain public officials, or to otherwise comply with applicable codes, standards, regulations, or ordinances. If CLIENT decides to disregard CONSULTANT'S recommendations in these respects, (i) CONSULTANT shall determine in its sole judgment if it has a duty to notify public officials, and (ii) CONSULTANT has the right immediately to terminate this Agreement upon written notice to the CLIENT and without penalty. In states where there is a legal obligation for a licensed professional (employed by CONSULTANT or CONSULTANT as a company) to report an observed release of a hazardous material or petroleum product to the environment, an imminent threat to human health or the environment, or other incident (as defined by applicable law) to a regulatory agency, CONSULTANT shall make reasonable efforts to first notify the CLIENT and its Counsel regarding the nature and timing of the required notification, but in any case will comply with the applicable legal requirements with regard to reporting.

17. NOTIFICATION AND DISCOVERY OF HAZARDOUS MATERIALS

A. Prior to commencing the Services and as required by Article 11, Data and Information, CLIENT shall furnish to CONSULTANT all documents and information known to CLIENT that relate to past or existing conditions of the site and surrounding area, including the identity, location, quantity, nature, or characteristics of any hazardous materials or suspected hazardous materials or subterranean utilities. CONSULTANT may rely on such information and documents. CLIENT hereby warrants

that, if it knows or has any reason to assume or suspect that hazardous materials may exist at the project site, it has so informed CONSULTANT.

B. CLIENT acknowledges that if unanticipated hazardous materials or suspected hazardous materials are discovered on the project site property or on properties surrounding or adjacent to such site, it is CLIENT's responsibility, and not CONSULTANT'S, to inform the owner of any affected property not owned by CLIENT of such discovery. CLIENT also recognizes that any such discovery may result in a significant reduction of the property's value. CLIENT waives any claim against CONSULTANT and agrees to defend, indemnify, and hold harmless CONSULTANT from any claim or liability for injury or loss of any type arising from the discovery of hazardous materials or suspected hazardous materials on the project property site or on surrounding property, whether or not owned by CLIENT. CLIENT agrees that discovery of unanticipated hazardous materials shall constitute a changed condition for which CONSULTANT shall be fairly compensated.

18. TERMINATION

Either party may terminate this Agreement as a result of a material breach of the other party if the other party does not commence and continue to cure the breach within thirty (30) days of receipt of written notice of the breach from the non-breaching party. In the event of termination, CONSULTANT shall be paid for Services performed to the termination notice date, reasonable termination expenses, and a portion of its anticipated profits not less than the percentage of the contract services performed as of the termination notice date. CONSULTANT may complete such analyses and records as are necessary to complete its files and may also complete a report on the Services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs of CONSULTANT in completing such analyses, records, and reports.

19. DISPUTES

A. **Dispute Resolution by Senior Management**. Any controversy, claim, or disagreement arising out of or relating to this Agreement shall be referred to senior management of each Party for a resolution. If the senior management is able to resolve the dispute, such resolution shall be binding on the Parties. In the event the senior management is unable to resolve the dispute within thirty (30) business days (or such other period as the Parties may agree upon) of referral, each Party shall have the right to pursue any other rights or remedies that may be available at law or equity, subject to this Article.

B. **Litigation**. This Agreement shall be deemed to be a contract made under the laws of the state of Georgia, and for all purposes shall be construed in accordance with the laws thereof. Client agrees that any and all disputes between the parties under or relating to the terms and conditions of this Agreement shall be fully and completely adjudicated in any federal or state court located in the state of Georgia and Client completely and entirely waives any and all jurisdictional defenses it may have now or in the future to the jurisdictional reach of such courts.

C. **Attorneys' Fees and Costs.** In the event that one party makes a claim against the other, at law or otherwise, and then fails to prove such claim, then the prevailing party shall be entitled to all costs, including attorneys' fees incurred in defending against the claim. The term "prevailing party" shall be defined as the party that recovers at least fifty percent (50%) of the amount of its claim as identified on the first day of any trial. Conversely, any party defending a claim shall be determined the "prevailing party" if the party asserting a claim fails to recover at least fifty percent (50%) of the amount of its claim as identified on the first day of any trial.

20. INTELLECTUAL PROPERTY

A. If the Services require CONSULTANT to provide CLIENT with the right to use or access proprietary CONSULTANT software, programs, information management solutions, hosting services, technology, designs, information, or data ("CONSULTANT Products"), CONSULTANT grants CLIENT during the term of the project a non-exclusive, non-transferable, non-assignable license to use the CONSULTANT Products for CLIENT's internal purposes, solely in connection with the Services. Except for this limited license, CONSULTANT expressly reserves all other rights in and to the CONSULTANT Products.

B. CONSULTANT'S Right to Use CLIENT Materials - If the Services require CLIENT to provide CONSULTANT with the right to use or access proprietary CLIENT software, programs, technology, information, or data ("CLIENT Products"), CLIENT grants

CONSULTANT a perpetual, non-exclusive, non-transferable, non-assignable, royalty free world-wide license to use and access the CLIENT Product as necessary to provide CLIENT with Services.

C. Intellectual Property General - CONSULTANT shall own all Intellectual Property (as hereinafter defined) associated with the Services and the CONSULTANT Products, together with any modifications, updates, or enhancements to said Intellectual Property. CONSULTANT grants no right or license to such Intellectual Property to CLIENT except as expressly provided in this Agreement. CLIENT conveys to CONSULTANT any interest in any such Intellectual Property rights that, notwithstanding the foregoing, would otherwise be deemed by law to vest in CLIENT. "Intellectual Property" includes patents, patent applications, trademarks, trademark applications, copyrights, moral rights or other rights of authorship and applications to protect or register the same, trade secrets, industrial rights, know-how, privacy rights and any other similar proprietary rights under the laws of any jurisdiction in the world. CONSULTANT may use and publish the CLIENT's name and give a general description of the Services rendered by CONSULTANT for the purpose of informing other clients and potential clients of CONSULTANT'S experience and qualifications.

D. CONSULTANT shall use reasonable efforts to provide the Services without infringing on any valid patent or copyright and without the use of any confidential information that is the property of others; provided, however, reasonable efforts of CONSULTANT shall not include a duty to conduct or prepare a patent or copyright search and/or opinion. If CONSULTANT performs its Services in a manner consistent with the above, then to the fullest extent permitted by law, CLIENT shall indemnify, defend, and hold harmless CONSULTANT and its officers, directors, agents and employees against all liability, cost, expense, attorneys' fees, claims, loss, or damage arising from any alleged or actual patent or copyright infringement resulting from the Services under this Agreement.

21. INFORMATION MANAGEMENT

Some CONSULTANT Products may be offered to CLIENT via the Internet and some CONSULTANT Products may utilize wireless radio communications. Atmospheric, meteorological, topographical, and other conditions can affect the performance of any wireless device, software, or technology (including, but not limited to information management solutions, hosting services, ftp, and extranet services), just as application size, traffic, bottlenecks, and other conditions can affect Internet access and upload and download speeds. CLIENT acknowledges that these types of conditions and other similar conditions are beyond the reasonable control of CONSULTANT and that CONSULTANT makes no representations or guarantees that CLIENT will be able to access any particular CONSULTANT Product at any given time without any error or interruption.

22. MISCELLANEOUS

A. This Agreement supersedes all other agreements, oral or written, and contains the entire agreement of the parties. No cancellation, modification, amendment, deletion, addition, waiver, or other change in this Agreement shall have effect unless specifically set forth in writing signed by the party to be bound thereby. Titles in this Agreement are for convenience only.

B. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns provided that it may not be assigned by either party without consent of the other. It is expressly intended and agreed that no third-party beneficiaries are created by this Agreement, and that the rights and remedies provided herein shall inure only to the benefit of the parties to this Agreement.

C. CLIENT acknowledges and agrees that CONSULTANT can retain subconsultants, who may be affiliated with CONSULTANT, to provide Services for the benefit of CONSULTANT. CONSULTANT will be responsible to CLIENT for the Services and work done by all of its subconsultants and subcontractors, collectively to the maximum amount stated in Article 8 Limitation of Liability. CLIENT agrees that it will only assert claims against and seek to recover losses, damages, or other liabilities from CONSULTANT and not CONSULTANT'S affiliated companies.

D. No waiver of any right or remedy in respect of any occurrence on one occasion shall be deemed a waiver of such right or remedy in respect of such occurrence on any other occasion.

E. All representations and obligations (including without limitation the obligation of CLIENT to indemnify CONSULTANT in Article 7 and the Limitation of Liability in Article 8) shall survive indefinitely the termination of the Agreement. CLIENT acknowledges that it may not use CONSULTANT'S name or any reference to the Services in any press release or public document without the express, written consent of CONSULTANT.

F. Any provision, to the extent found to be unlawful or unenforceable, shall be stricken without affecting any other provision of the Agreement, so that the Agreement will be deemed to be a valid and binding agreement enforceable in accordance with its terms.

G. All questions concerning the validity and operation of this Agreement and the performance of the obligations imposed upon the parties hereunder shall be governed by the laws of Georgia unless the law of another jurisdiction must apply for this Agreement to be enforceable.

H. All notices required or permitted to be given hereunder, shall be deemed to be properly given if delivered in writing via facsimile machine, e-mail, regular mail, hand delivery or express courier addressed to CLIENT or CONSULTANT, as the case may be, at the addressee set forth in the Proposal Acceptance Form in regard to the CLIENT, and as listed on the Proposal in regard to CONSULTANT, with postage thereon fully prepaid if sent by mail or express courier.

I. Any signature (including any electronic symbol or process attached to, or associated with, a contract or other record and adopted by a Person with the intent to sign, authenticate or accept such contract or record) hereto or to any resulting Work Order, and any contract formation or record-keeping through electronic means shall have the same legal validity and enforceability as a manually executed signature or use of a paper-based recordkeeping system, to the fullest extent permitted by applicable law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any similar state law based on the Uniform Electronic Transactions Act. The parties hereby waive any objection to the contrary.

J. CLIENT represents and warrants that the individual signing this Agreement is an authorized representative of CLIENT and has authority to bind the CLIENT.

23. AUTHORIZATION TO PROCEED

By signing below, CLIENT hereby authorizes CONSULTANT to proceed with the Services outlined in the Proposal and in accordance with this Agreement, which includes terms relating to *payment, limitation of liability, insurance, and indemnity*, among many other important provisions. CLIENT also represents that any "purchase order" type document which CLIENT may issue after executing this Agreement, shall be for administrative or accounting purposes only, and that this Agreement shall supersede any such terms or conditions attached thereto in governing the performance of the Services, and any such terms or conditions shall be void and without binding effect.

SIGNATURE ON FOLLOWING PAGE

WSP USA Inc.	City of Des Moines
(CONSULTANT)	(CLIENT)
Signature	Signature
Name	Name
Title	Title
Date	Date

Please address invoices to:	Please address deliverables & notices* to:
ATTN:	ATTN:
Phone:	Phone:
Email:	Email:

**All notices required or permitted to be given hereunder shall be in writing and shall be delivered in person, sent by facsimile machine, mailed, or emailed and properly addressed and stamped with the required postage to the intended recipient.*

REV: 03/01/2022

ANNUAL GROUNDWATER MONITORING REPORT 2025

CITY OF DES MOINES PUBLIC WORKS MAINTENANCE FACILITY
VCP SITE #NW0529
DES MOINES, WASHINGTON
PROJECT #US0043858.1881

Prepared for:

CITY OF DES MOINES

Des Moines, Washington

SEPTEMBER 4, 2025

ANNUAL GROUNDWATER MONITORING REPORT 2025

CITY OF DES MOINES PUBLIC WORKS MAINTENANCE FACILITY
VCP SITE #NW0529
21650 11TH AVENUE SOUTH, DES MOINES, WASHINGTON
PROJECT #US0043858.1881

Prepared for:

City of Des Moines
Des Moines, Washington
Prepared by:

WSP USA Inc.
18300 Redmond Way #200
Redmond, Washington 98052
USA
T: 206-316-5596

September 4, 2025

Copyright and Non-Disclosure Notice

The contents and layout of this report are subject to copyright owned by WSP (© WSP USA Inc.), save to the extent that copyright has been legally assigned by us to another party or is used by WSP under license. To the extent that we own the copyright in this report, it may not be copied or used without our prior written agreement for any purpose other than the purpose indicated in this report. The methodology (if any) contained in this report is provided to you in confidence and must not be disclosed or copied to third parties without the prior written agreement of WSP. Disclosure of that information may constitute an actionable breach of confidence or may otherwise prejudice our commercial interests. Any third party who obtains access to this report by any means will, in any event, be subject to the third-party disclaimer set out below.

Third-Party Disclaimer

Any disclosure of this report to a third party is subject to this disclaimer. WSP prepared the report at the instruction of, and for use by, our client named on the front of the report. It does not in any way constitute advice to any third party who is able to access it by any means. WSP excludes to the fullest extent lawfully permitted all liability whatsoever for any loss or damage howsoever arising from reliance on the contents of this report. We do not however exclude our liability (if any) for personal injury or death resulting from our negligence, for fraud, or any other matter in relation to which we cannot legally exclude liability.

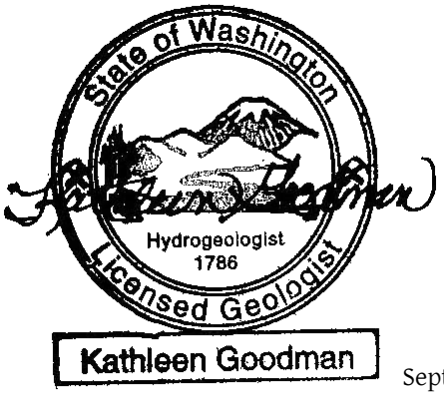
ANNUAL GROUNDWATER MONITORING REPORT 2025

City of Des Moines Public Works
Maintenance Facility
Des Moines, Washington

9/4/2025
Project #US0043858.1881

This report was prepared by WSP staff under the supervision of the Hydrogeologist whose seal and signature appear hereon.

The findings, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering and geologic practice. No warranty is expressed or implied.



September 4, 2025

Kathleen Goodman, LG, LHg
Washington Geologist/Hydrogeologist #1786
Expiration date: September 6, 2025

TABLE OF CONTENTS

1 Introduction 1
1.1 Background 1
1.2 Overview of Groundwater and Remediation System Monitoring 2
2 Groundwater Monitoring and Remediation System 4
2.1 Groundwater Monitoring 4
2.1.1 Water Levels 4
2.1.2 General Parameter Field Measurements 4
2.1.3 Groundwater Sampling 4
2.2 Groundwater Remediation System 5
2.2.1 Groundwater Remediation System Status 5
2.2.2 Groundwater Remediation System Monitoring 5
3 Results 6
3.1 Groundwater Elevation Data 6
3.2 Groundwater Analytical Results 6
3.3 EIM Database Upload 7
4 Conclusions 8
5 References 9

LIST OF FIGURES

Figure 1 Site Location
Figure 2 Site Plan
Figure 3 Remediation System Schematic
Figure 4 Groundwater Elevation Contours on 9/5/2024
Figure 5 Groundwater Elevation Contours on 12/23/2024
Figure 6 Groundwater Elevation Contours on 3/18/2025
Figure 7 Groundwater Elevation Contours on 6/27/2025
Figure 8 Groundwater Sample Analysis Results, 2024–2025 Reporting Period

LIST OF TABLES

Table 1 Groundwater Depths and Elevations
Table 2 Groundwater Analytical Results Since 2012

LIST OF APPENDICES

Appendix A Historical Analytical Results for Groundwater through May 2012
Appendix B Groundwater Sampling Logs
Appendix C Laboratory Analytical Reports and Data Quality Review Memos for Groundwater Samples
Appendix D Discharge Monitoring Reports
Appendix E Historical Trend Plots for TPH-G and Benzene

LIST OF ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
City	City of Des Moines
CUL	cleanup level
DMR	discharge monitoring report
Ecology	Washington State Department of Ecology
EIM	Environmental Information Management
FID	flame ionization detector
GAC	granular activated carbon
ISCO	In-situ chemical oxidation
MIHPT	membrane interface hydraulic profiling tool
MTCA	Model Toxics Control Act
PID	photoionization detector
site	City of Des Moines Department of Public Works maintenance facility located at 21650 11th Avenue South in Des Moines, Washington
TPH	total petroleum hydrocarbons
TPH-G	total petroleum hydrocarbons as gasoline
VCP	Voluntary Cleanup Program
VOCs	volatile organic compounds
WSP	WSP USA Inc.

1 INTRODUCTION

This report summarizes the results of operations, monitoring, maintenance, investigations, and compliance activities associated with the groundwater recovery and treatment system at the City of Des Moines (City) Department of Public Works maintenance facility located at 21650 11th Avenue South in Des Moines, Washington (the site) (Figure 1). This report documents the results of activities completed during the 2024–2025 reporting period, extending from July 1, 2024, through June 30, 2025 (third quarter 2024 through second quarter 2025). WSP USA Environment & Infrastructure Inc. (WSP) prepared this report and performed the work described herein on behalf of the City.

The site is undergoing soil and groundwater remediation as part of the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP). The site has been designated VCP site #NW0529. The work documented in this report was undertaken in accordance with the monitoring program specified by Ecology Discharge Permit #ST0007451, which authorizes the discharge of industrial wastewater to the Midway Sewer District wastewater treatment plant, subject to the terms and conditions of the permit.

Work was conducted during the 2024–2025 reporting period under Discharge Permit #ST0007451, issued on February 24, 2021, and effective on April 1, 2021, with an expiration date of March 31, 2026. This permit was terminated early in the first quarter of 2025, following four consecutive years of zero discharge.

1.1 BACKGROUND

In July 1992, the City removed two underground storage tanks from the site: one 4,000-gallon gasoline tank and one 1,000-gallon diesel fuel tank. Approximately 1,500 cubic yards of petroleum-contaminated soil were excavated from the area where the underground storage tanks were located (Figure 2). Soils were excavated in proximity to the underground storage tanks and in the area labeled ”Former Excavation Behind Shop” in Figure 2. The City stored the excavated soil in windrows on site, regularly turning the piles until hydrocarbon vapors decreased to an average concentration of 200 parts per million. At that point, the stockpiles were covered and allowed to passively remediate.

Soil samples were collected from the unexcavated area just southeast of the former underground storage tanks in 1994, between wells MW-3, MW-8, and MW-7 (Figure 2). Results indicated that these soils contained petroleum hydrocarbons and related constituents at concentrations above Model Toxics Control Act (MTCA) Method A cleanup levels (CULs). The City notified Ecology of the exceedances and implemented a remedial action to address the contaminated soil and groundwater at the site under Ecology’s VCP.

From 1993 to 2009, 15 wells (MW-1 through MW-15) were installed at the site (Figure 2). A groundwater recovery and treatment system was installed to prevent off-site migration of constituents of concern. On May 22, 2008, at Ecology’s request, the groundwater recovery system and in-well air diffusing system were shut down.

The original groundwater recovery and treatment system was rebuilt in March 2009. The groundwater recovery and treatment system rebuild objectives included expediting the cleanup of the source area and preventing off-site migration of constituents of concern to the east and south beyond the property lines (the site is bounded on the south by City Water District property). To achieve these objectives, wells MW-3, MW-13, MW-14, and MW-15 were set up as recovery wells and air diffusers were installed in wells MW-7, MW-11, and MW-12 to expedite cleanup through aerobic bioremediation. Recovery wells MW-3 and MW-13 were equipped with pneumatically operated pumps, and wells MW-14 and MW-15 were equipped with a peristaltic pump.

Recovered groundwater was treated by an ex-situ air sparge and granular activated carbon (GAC) system in the remediation compound. Figure 3 shows a schematic of the remediation system. Vapor from the air sparge unit was pushed through lead and lag vapor-phase GAC filters before being discharged through a 4-inch-diameter polyvinyl chloride stack located on the shop building adjacent to the remediation compound. The rebuilt groundwater recovery and treatment system operated from 2009 until the first quarter of 2014. During that period, groundwater was extracted primarily through MW-3 and MW-13, and the air diffuser in MW-11 was not used due to low levels of total petroleum hydrocarbons (TPH) detected in the surrounding wells.

The air diffusers operated in wells MW-7 and MW-12 until the air compressor failed in early 2014. The air compressor that operated the pumps at MW-3 and MW-13 also failed, resulting in no groundwater recovery and treatment during March 2014. In August 2014, the groundwater recovery and treatment system was reconfigured with one recovery well (MW-3) and six diffuser wells (MW-7 and MW-11 through MW-15). The system began running continuously in September 2014. The regenerative blower used for the air sparge system experienced intermittent electrical issues throughout 2014 and 2015. The rotary vane compressor that supplied air to the diffuser system also failed in late 2014. The 2015 annual report noted that the rotary vane air compressor was removed from service in February 2015 due to an electrical issue with the motor. The groundwater treatment and diffuser systems were reconfigured to replace the faulty air compressor and regenerative blower with one vacuum pump unit in October and November 2015. Diffusers in MW-7, MW-11, and MW-12 were also removed then. At the end of the 2020–2021 reporting period, the groundwater recovery and treatment system vacuum pump failed, and the system was turned off. The system has remained off since this failure. The current status and future plans of the groundwater recovery and treatment system is further discussed in Section 2.2.

A subsurface soil investigation was conducted in April 2022 in accordance with the Soil Investigation Work Plan (Wood, 2023). During the investigation, twelve membrane interface hydraulic profiling tool (MIHPT)soundings and three confirmation borings were advanced to 10-17 feet below ground surface (bgs) in the areas surrounding MW-13, MW-14, and MW-15. A MIHPT probe equipped with a flame ionization detector (FID), a photoionization detector (PID), and a halogen-specific detector recorded real-time volatile organic compound (VOC) concentrations, hydraulic conductivity, and electrical conductivity with depth. Continuous lithologic logging documented subsurface conditions and depth to groundwater. Discrete soil samples were screened in the field using a PID and were submitted for lab analysis of total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethylbenzene, and xylenes (BTEX). Comparison of the MIHPT data against the confirmation sample results demonstrated a strong correlation between FID/PID responses and contaminant concentration. Results of the investigation indicated remnant soil contamination south of the shop and upgradient of MW-14.

In April 2024 WSP oversaw In Situ Chemical Oxidation (ISCO) injections at the site, as outlined in WSP's October 2023 work plan submitted to Ecology (WSP, 2023). In advance of the injections, an application was submitted to and approved by the Ecology Water Quality Underground Injection Control Program. Sodium persulfate was injected between 4 and 11 feet bgs at twenty-three injection points around wells MW-13, MW-14, and MW-15. Injection points were concentrated upgradient of MW-14 and south of the shop, an area which yielded elevated PID/FID readings during the 2022 MIHPT investigation. Depths of injection were also guided by MIHPT data in this manner. Post-injection monitoring showed only minor water level fluctuations in nearby wells with no surface breakthrough. Groundwater was analyzed for dissolved arsenic during quarterly sampling events immediately prior to and following injections and exhibited no significant increase.

Historic groundwater quality data collected before 2012 is presented in Appendix A. For more information on the site background, refer to the remediation system upgrade report (AGRA, 1995) and the City of Des Moines Public Works Facility – Treatment Facility Operating Plan (AMEC, 2009).

1.2 OVERVIEW OF GROUNDWATER AND REMEDIATION SYSTEM MONITORING

Historic groundwater monitoring for each monitoring well is as follows:

- ***MW-1*** – Groundwater samples from this well were most recently collected in January 1994. Site constituents of concern were not detected above the laboratory's reporting limits; therefore, this well was not sampled in subsequent sampling events.
- ***MW-2*** – Groundwater samples from this well were most recently collected in January 1994, August 1996, and August 1997. Site constituents of concern were not detected above the laboratory's reporting limits; therefore, this well was not sampled in subsequent sampling events.
- ***MW-3*** – Groundwater samples from this well were collected semi-annually from January 1994 through February 2008 and have been sampled quarterly since February 2010.

- ***MW-4 and MW-5*** – Groundwater samples from these wells were collected semi-annually from January 1994 through August 1997 and then quarterly beginning in March 2012 per Ecology's request to verify that constituents of concern were not being transported into drinking water wells located south of the site.
- ***MW-6*** – Groundwater samples from this well were collected semi-annually from January 1994 through August 1996, annually from August 1997 through August 2000, and then quarterly beginning in February 2010.
- ***MW-7, MW-8, MW-9, and MW-10*** – Groundwater samples from these wells were collected semi-annually from January 1995 through February 2008 and quarterly from February 2010 through November 2010. Consistent sampling of these wells stopped in November 2010 because no VOCs or TPH were detected above reporting limits for at least four consecutive quarterly sampling events.
- ***MW-11*** – Groundwater samples from this well were collected semi-annually from January 1995 through February 2008. Consistent sampling of this well stopped in February 2008 because no VOCs or TPH were detected above reporting limits for six consecutive annual sampling events.
- ***MW-12*** – Groundwater samples from this well were collected semi-annually from January 1995 through February 2008 and quarterly from February 2010 through May 2014. Consistent sampling of this well stopped in May 2014 because no VOCs or TPH were detected above reporting limits for four consecutive quarterly sampling events.
- ***MW-13*** – Groundwater samples from this well were collected semi-annually from September 1998 through February 2008 and have been sampled quarterly since February 2010.
- ***MW-14 and MW-15*** – Groundwater samples from this well have been collected quarterly since February 2010.

No samples were collected at any monitoring wells between February 2008 and February 2010.

Routine activities at the site included quarterly groundwater monitoring and sampling of selected monitoring wells to track remediation progress. Quarterly sampling of discharge water from the remediation system, in compliance with Discharge Permit #ST0007451, was not completed as the system did not discharge during the 2024–2025 reporting period. Discharge Permit #ST0007451 required quarterly discharge monitoring reports (DMRs), even if the groundwater recovery and treatment system did not discharge during the quarterly monitoring period. The DMRs are due on the 28th day of the month following each quarterly monitoring period:

- Quarter 1: January through March with DMR due April 28;
- Quarter 2: April through June with DMR due July 28;
- Quarter 3: July through September with DMR due October 28; and
- Quarter 4: October through December with DMR due January 28.

Discharge Permit #ST0007451 was discontinued in the first quarter of 2025, following four consecutive years of zero effluent discharge from the remediation system. As such, no DMRs were submitted for the first and second quarters of 2025.

2 GROUNDWATER MONITORING AND REMEDIATION SYSTEM

This section describes the groundwater monitoring program and the status of the groundwater remediation system during the 2024–2025 reporting period.

2.1 GROUNDWATER MONITORING

The quarterly sampling events occurred in September and December 2024 and March and June 2025. WSP staff conducted quarterly water-level monitoring and groundwater sampling in accordance with project-specific sampling protocols. Groundwater samples are generally collected from monitoring wells on a quarterly basis. Quarterly samples were collected from the following wells: MW-3, MW-4, MW-5, MW-6, MW-13, MW-14, and MW-15. Wells are sampled by low-flow methods using a peristaltic pump and dedicated tubing.

2.1.1 WATER LEVELS

Water levels were measured in the selected monitoring wells using an electronic oil/water interface probe and were recorded to the nearest 0.01 foot during each event. Water levels are measured in all wells sampled during each sampling event. The water level data for the site since August 2011 are presented in Table 1. Groundwater contour maps generated from water level measurements during each quarter of the 2024-2025 reporting period are presented in Figures 4-7.

2.1.2 GENERAL PARAMETER FIELD MEASUREMENTS

General field parameters, including temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction (redox) potential, and turbidity, were measured in the field for each monitoring well during sampling events. Each well was purged and monitored with a flow-through cell until field parameters stabilized in accordance with U.S. Environmental Protection Agency low-flow sampling guidelines (EPA, 1996). Groundwater sampling logs for the sampling events conducted during the 2024–2025 reporting period can be found in Appendix B.

2.1.3 GROUNDWATER SAMPLING

Groundwater monitoring wells were purged before collecting samples using a peristaltic pump with dedicated tubing. Groundwater samples were analyzed for the following constituents of concern:

- TPH as gasoline (TPH-G) by Ecology Method NWTPH-Gx;
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by U.S. Environmental Protection Agency Method 8021B;

WSP delivered groundwater samples under chain-of-custody procedures to OnSite Environmental, Inc., in Redmond, Washington. Table 2 presents the groundwater sample analytical results, and Appendix C includes copies of the laboratory analytical reports and data quality review reports.

2.2 GROUNDWATER REMEDIATION SYSTEM

2.2.1 GROUNDWATER REMEDIATION SYSTEM STATUS

On June 2, 2021, WSP staff noticed that the vacuum pump motor had failed during the previous reporting period. During subsequent site visits, WSP staff determined that much of the groundwater recovery and treatment system equipment and infrastructure would need to be replaced before the system could be restarted. The groundwater recovery and treatment system was turned off for the remainder of the 2020–2021 reporting period and has remained off since.

At this time, WSP and the City have decided to decommission the groundwater recovery and treatment system as its components were approaching the end of their expected lifespan and concentrations of site constituents of concern in extraction well MW-3 appear to be stabilizing below MTCA Method A Cleanup Levels (CULs). Midway Sewer District approved of the system's decommissioning following location and sealing of the system's discharge point to the sanitary sewer.

2.2.2 GROUNDWATER REMEDIATION SYSTEM MONITORING

Because the groundwater recovery and treatment system did not operate, no groundwater was discharged during the 2024–2025 reporting period; therefore, routine monitoring of the system's effluent was not performed. The DMRs submitted to Ecology for the 2024–2025 reporting period stated that no groundwater was discharged; these DMRs are presented in Appendix D. No incidents of non-compliance occurred during the 2024–2025 reporting period.

3 RESULTS

This section discusses the groundwater elevation data, groundwater monitoring analytical results, groundwater treatment system analytical results, and the status of the Environmental Information Management (EIM) database for the Site.

3.1 GROUNDWATER ELEVATION DATA

Groundwater elevation data are presented in Table 1. Figures 4 through 7 present interpreted potentiometric surface maps of shallow groundwater beneath the site for September and December 2024 and March and June 2025, respectively. The groundwater gradient directions observed during this reporting period were generally consistent with the easterly gradient directions observed in previous years. Groundwater elevations at the site continued to fluctuate seasonally. Groundwater elevations were highest during December 2024 and March 2025 sampling events (wet months) and lowest during the September 2024 and June 2025 sampling events (dry months) because the groundwater table at the site is shallow and affected by surface water infiltration.

3.2 GROUNDWATER ANALYTICAL RESULTS

Table 2 presents the groundwater analytical results and the MTCA Method A groundwater CULs. Figure 8 shows the TPH-G and BTEX concentrations at each well for the 2024–2025 reporting period.

This section discusses the groundwater monitoring analytical data and trends for the constituents of concern for the 2024–2025 reporting period. Groundwater trend plots are included in Appendix E for the wells in which TPH-G or benzene have been detected above the CUL over the past eight years (MW-3, MW-13, MW-14, and MW-15).

Results of groundwater monitoring during the 2024–2025 reporting period yielded the following findings:

- **MW-3:** No MTCA CUL exceedances occurred during this timeframe. TPH-G and ethylbenzene were detected in September and December 2024 at less than two times their respective laboratory reporting limits. Benzene was detected below two times the reporting limit in September 2024 and June 2025. Toluene was below reporting limits each quarter. Total xylenes were detected at two times the reporting limit in December 2024. Trend charts suggest that TPH-G and benzene concentrations have begun to stabilize below their respective MTCA CULs (Figure E-1 in Appendix E).
- **MW-4, MW-5, and MW-6:** No detectable levels of TPH-G or BTEX were present in groundwater samples from these wells during any of the monitoring events during the 2024–2025 reporting period.
- **MW-13:** In September 2024 benzene exceeded the MTCA CUL, and ethylbenzene and total xylenes were detected below MTCA CULs. TPH-G and toluene were below laboratory reporting limits in September 2024. All analytical results for December 2024, March 2025, and June 2025 were below laboratory reporting limits. Trend charts demonstrate that TPH-G concentration has stabilized below the MTCA CUL and benzene concentration has mostly stabilized below respective MTCA CUL with occasional exceedances during dry season sampling (September) (Figure E-2 in Appendix E).
- **MW-14:** TPH-G and benzene were below laboratory reporting limits in September 2024 and June 2025 and exceeded MTCA CUL in December 2024 and March 2025. Toluene, ethylbenzene, and total xylenes were below the laboratory reporting limits during the September 2024 and June 2025 events and were detected below the MTCA CULs during the December 2024 and March 2025 events. Trend charts suggest that TPH-G and benzene concentrations are fluctuating in MW-14 (Figure E-3 in Appendix E).
- **MW-15:** No TPH-G or BTEX compounds were detected above the laboratory reporting limit during any of the four monitoring events in the 2024–2025 reporting period. Figure E-4 in Appendix E shows that TPH-G and benzene have been reported below their respective MTCA CULs since August 2013 and have stabilized below their respective MTCA CULs.

3.3 EIM DATABASE UPLOAD

Groundwater monitoring data from 2019 through the first quarter of 2025 has been successfully uploaded to Ecology's EIM database. This dataset includes validated analytical results from routine sampling events and is now accessible or review and regulatory reference.

4 CONCLUSIONS

In general, groundwater concentrations of the site's constituents of concern have been trending downward and are below their MTCA CULs. The exception to this is groundwater in MW-14, which has intermittently exceeded MTCA Method A CULs for TPH-G and/or benzene in recent years.

The groundwater recovery and treatment system has not operated since the 2020-2021 reporting period due to decreasing concentrations of constituents of concern in MW-3 and MW-14, and the need for repairs. The City of Des Moines and WSP have agreed to permanently decommission the system and plan to disassemble the infrastructure within the next year.

The City and WSP will evaluate the options of further remedial efforts of the contaminated soil upgradient of MW-14 as identified in the 2022 MIHPT investigation. Possible activities include excavation or additional injections.

Per communication with Ecology, WSP will begin decommissioning monitoring wells that have not been included in the active monitoring network for the past ten years. WSP will continue to sample monitoring wells MW-3, MW-4, MW-5, MW-6, MW-13, MW-14, and MW-15 pending technical assistance from Ecology allowing for a reduction in the number of wells sampled quarterly. WSP recommends reducing the active monitoring network to MW-13, MW-14, and MW-15 while continuing water level monitoring in MW-3, MW-4, MW-5, and MW-6.

The annual report for the 2025–2026 reporting period will be submitted by July 31, 2026.

5 REFERENCES

AGRA Earth & Environmental, Inc. (AGRA), 1995, Remediation System Upgrade (Task 1 & Task 2), City of Des Moines Public Works Maintenance Facility, Des Moines, Washington, February 10.

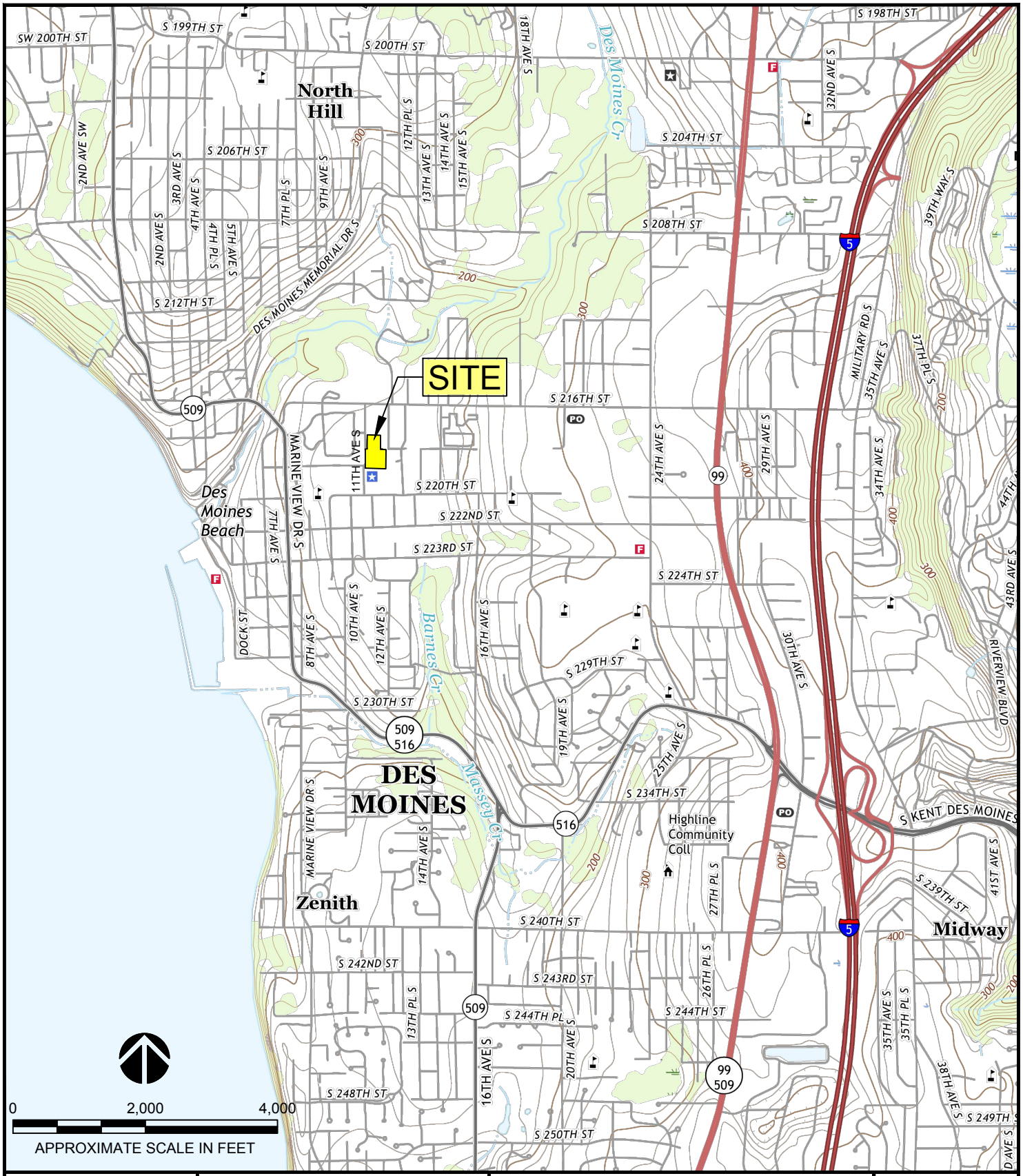
AMEC Earth & Environmental, Inc. (AMEC), 2009, City of Des Moines Public Works Facility – Treatment Facility Operating Plan, December 4.

U.S. Environmental Protection Agency (EPA), 1996, Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, EQASOP-GW 001, July 30 (Revised January 19, 2010).

Wood Environment & Infrastructure Solutions, Inc. (Wood), 2022. Soil Investigation Work Plan, City of Des Moines Department of Public Works—21650 11th Ave S. Des Moines, Washington, April 11.

WSP USA Environment & Infrastructure Inc. (WSP), 2023, Work Plan for the Injection of Treatment Solutions, City of Des Moines Public Work Facility—21650 11th Avenue South, Voluntary Cleanup Program #NW0529, October 23.

FIGURES



CLIENT

CITY OF DES MOINES
Sails With Pride

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

PROJECT
CITY OF DES MOINES
PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

DATE
JULY 2025

SCALE
AS SHOWN

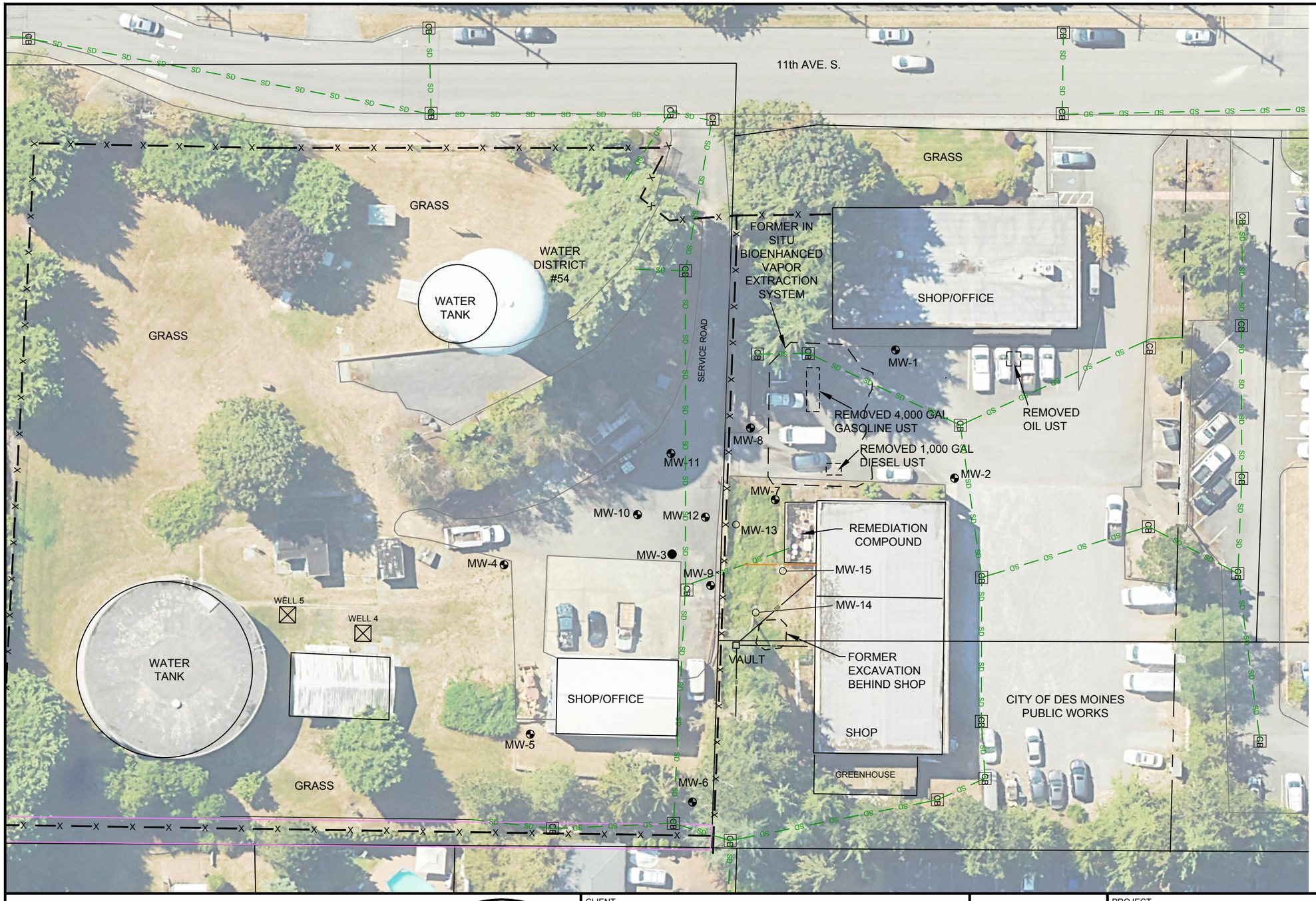
TITLE
SITE LOCATION

PROJECT NO.
US0043858.1881

FIGURE
1

DRAWN BY: APS CHECKED BY: WY

F:\City of DesMoines WA\99_PROJECTS\US0033175.4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-2024Base_250715.dwg - SiteLocation - Jul. 30, 2025 9:39am - USSD715014



LEGEND

- MW-6 — MONITORING WELL LOCATION
- MW-13 — DIFFUSER WELL LOCATION
- MW-3 — RECOVERY WELL LOCATION
- CB — CATCH BASIN / STORMWATER SEWER LINE
- SD — STORM CONVEYANCE LINE
- SS — SANITARY SEWER LINE
- P — UNDERGROUND POWER LINE
- MUNICIPAL WATER WELL
- PARCEL LINE
- X — FENCE LINE

0 40 80

APPROXIMATE SCALE IN FEET

CITY OF DES MOINES
Staffs With Pride

CLIENT
CITY OF DES MOINES

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

PROJECT
CITY OF DES MOINES
PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

TITLE
SITE PLAN

DATE
JULY 2025

SCALE
AS SHOWN

PROJECT NO.
US0043858.1881

FIGURE
2

DRAWN BY: APS CHECKED BY: WY

F:\City of DesMoines WA\99_PROJECTS\US0033175.4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-2024Base_250715.dwg - SITE PLAN - Jul. 30, 2025 9:41am - USSD715014

POWER SOURCE

LOAD CENTER 230V-1PH-60A

CONTROL PANEL

230V

110V

110V

110V 1-PH WEATHER RATED RECEPTACLE

KO TANK

WATER RETURN LINE

POWER JUNCTION BOX

VAPOR GAC SYSTEM

V GAC

V GAC

F

4" SCH 40 PVC VENT STACK TO ATMOSPHERE

EFFLUENT AIR SAMPLE PORT

BUILDING WALL

INFLUENT SAMPLE PORT

AIR

PI

FM INF-1

WELL FILTER

EFF-1 FM

PI

LIQUID GAC SYSTEM

EFF-2 FM

EFFLUENT SAMPLE PORT

TO SEWER SYSTEM DISCHARGE 1 1/2" PVC

PI

BETWEEN SAMPLE PORT

PRIMARY SPARGE TANK

AUTOMATIC FLOAT CONTROLLED SUMP PUMPS

SECONDARY CONTAINMENT TANK

LS HIGH

LS LOW

SP

MW-3

GROUNDWATER RECOVERY WELL

D

D

MW-13

MW-14

MW-15

DIFFUSER WELLS

LEGEND

- BALL VALVE (NORMALLY OPEN)
- BALL VALVE (NORMALLY CLOSED)
- GATE VALVE
- CHECK VALVE
- UNION VALVE
- PRESSURE RELIEF VALVE
- PRESSURE INDICATOR (PI)
- LABCOCK VALVE SAMPLE PORT
- NEEDLE VALVE
- QUICK DISCONNECT COUPLING
- 3-WAY MOTOR ACTUATED VALVE
- AIR FILTER (F)
- FLOW METER (FM)
- DATA LOGGER (D)
- LEVEL SWITCH (LS)
- WATER LINE
- AIR LINE
- POWER LINES (230 - 110 VAC)
- SENSOR LINES (LOW VOLTAGE DC)
- SP SUBMERSIBLE WELL PUMP
- HIGH LEVEL FLOAT SENSOR
- QUICK CONNECT CAMLOCK

CITY OF DES MOINES — Seattle With Pride

CLIENT: CITY OF DES MOINES

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

PROJECT: CITY OF DES MOINES
PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

TITLE: REMEDIATION SYSTEM SCHEMATIC

DATE: JULY 2025

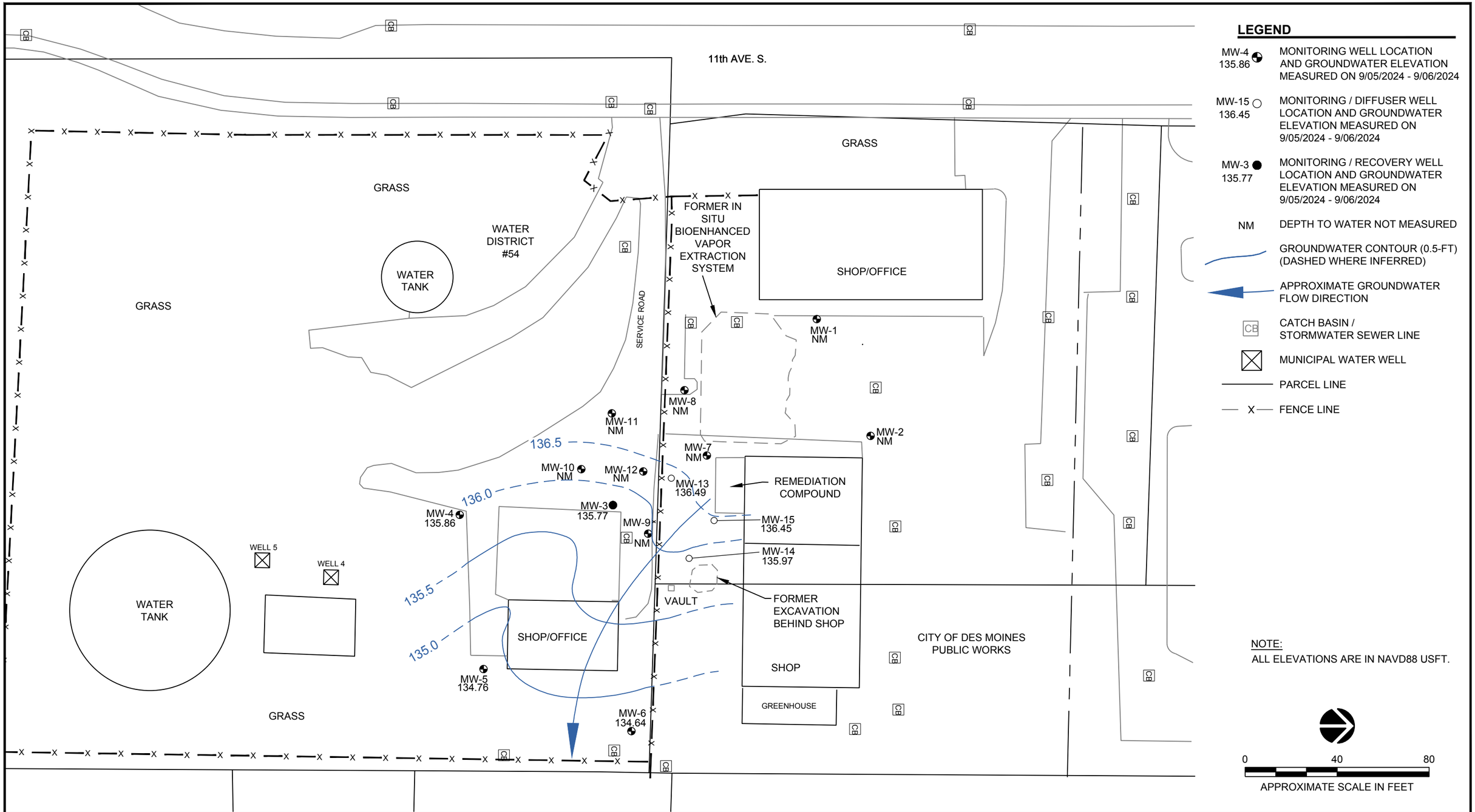
SCALE: NOT TO SCALE

PROJECT NO.: US0043858.1881

FIGURE: 3

DRAWN BY: APS CHECKED BY: WY

F:\City of DesMoines WA\99_PROJECTS\US0033175.4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-2024Base_250715.dwg - SystemSchematic - Jul. 30, 2025 9:43am - USSD715014



CLIENT
CITY OF DES MOINES
DEPARTMENT OF PUBLIC WORKS

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

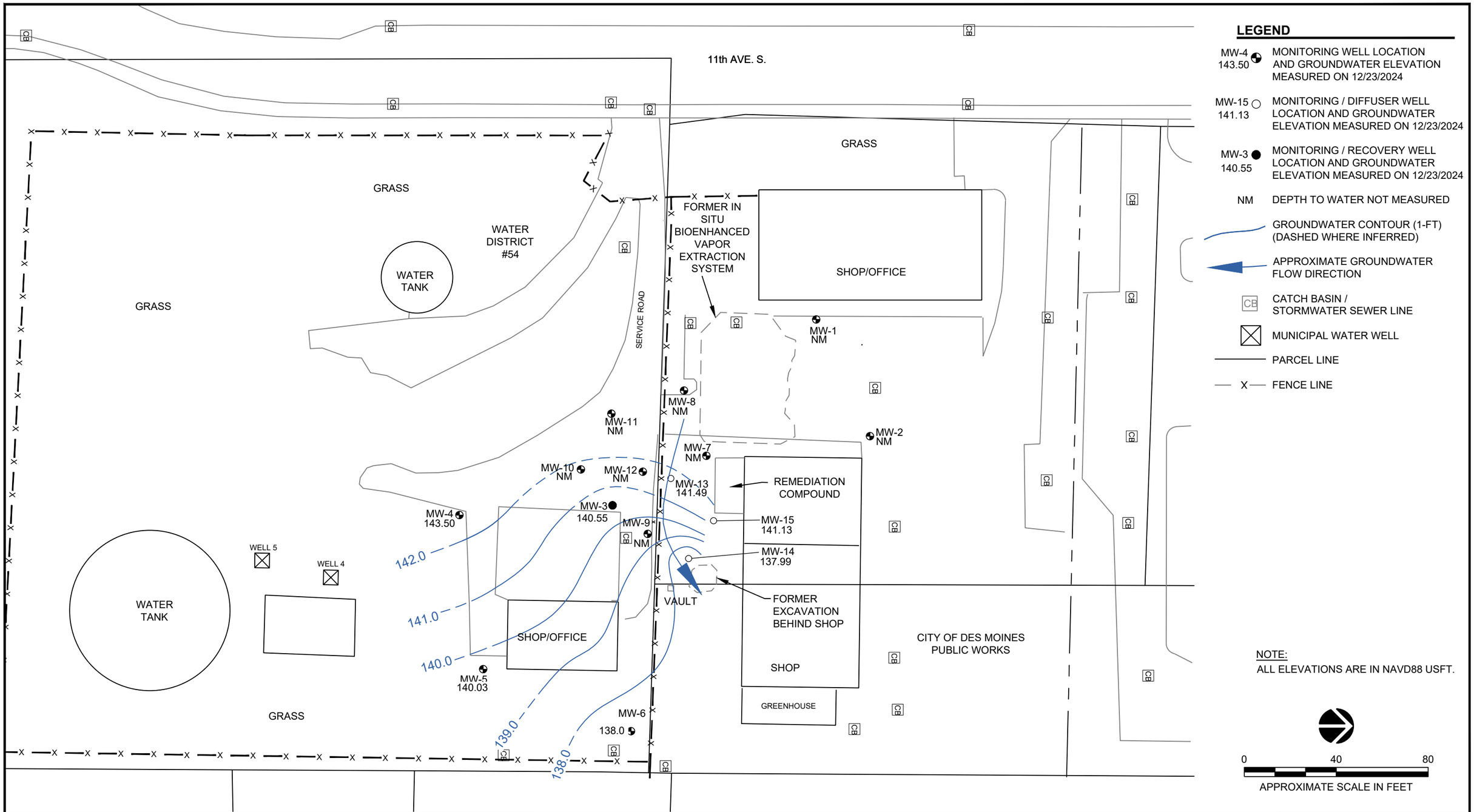
PROJECT
CITY OF DES MOINES
PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

TITLE
GROUNDWATER ELEVATION CONTOURS
ON 9/05/2024 - 9/06/2024

DATE: JULY 2025
SCALE: AS SHOWN
PROJECT NO.: US0033175.4784
FIGURE: 4

DRAWN BY: APS CHECKED BY: JP

F:\City of DesMoines WA\99_PROJECTS\US0033175.4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-2024Contours_250715.dwg - 3q24 - Jul. 30, 2025 7:31am - USSD715014



CLIENT
CITY OF DES MOINES
DEPARTMENT OF PUBLIC WORKS

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

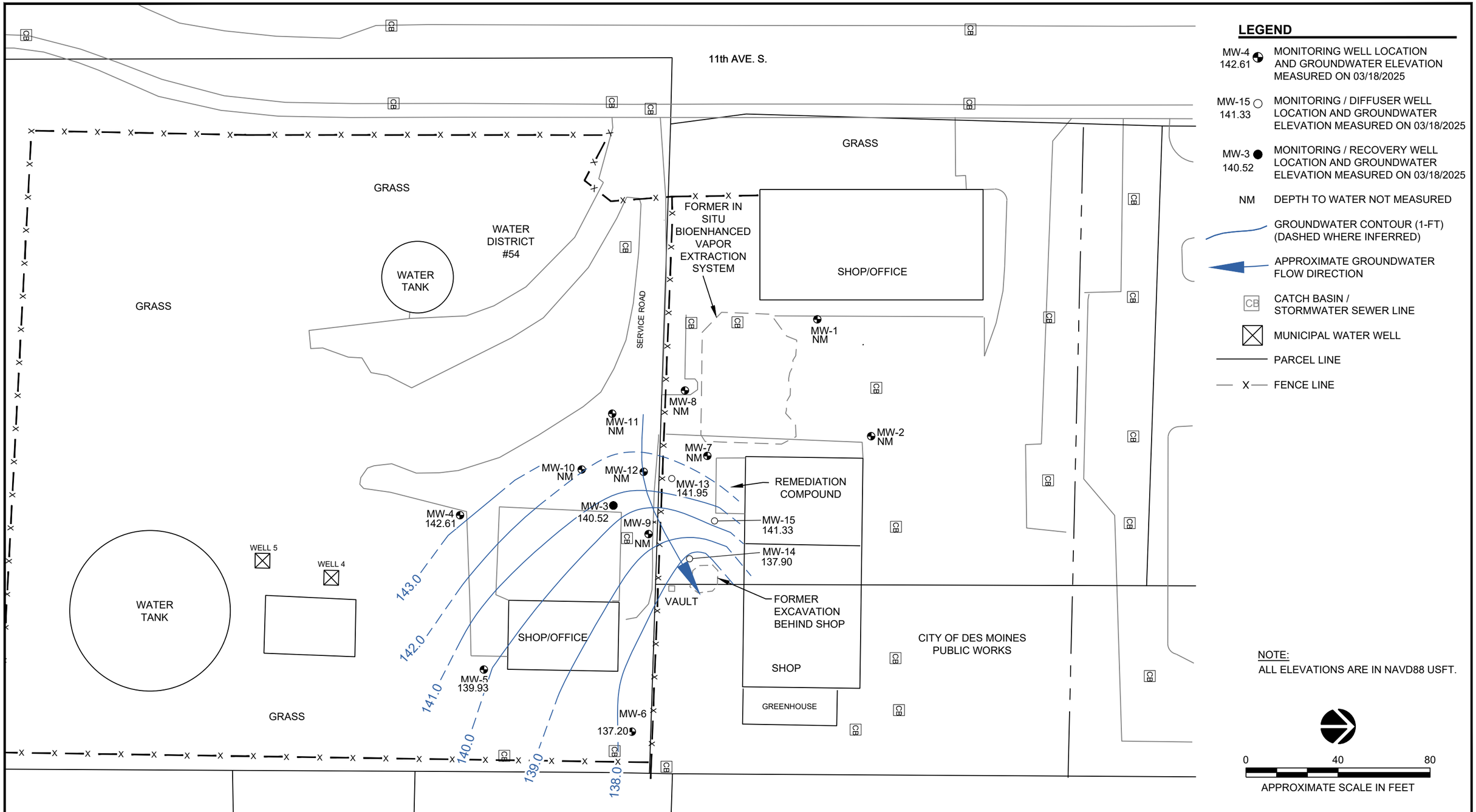
PROJECT
CITY OF DES MOINES
PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

TITLE
GROUNDWATER ELEVATION CONTOURS
ON 12/23/2024

DATE: JULY 2025
SCALE: AS SHOWN
PROJECT NO.: US0043858.1881
FIGURE: 5

DRAWN BY: APS CHECKED BY: CJ

F:\City of DesMoines WA\99_PROJECTS\US0033175,4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-2024Contours_250715.dwg - 4q24 - Jul, 31, 2025 8:05am - USSD715014



CLIENT
CITY OF DES MOINES
DEPARTMENT OF PUBLIC WORKS

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

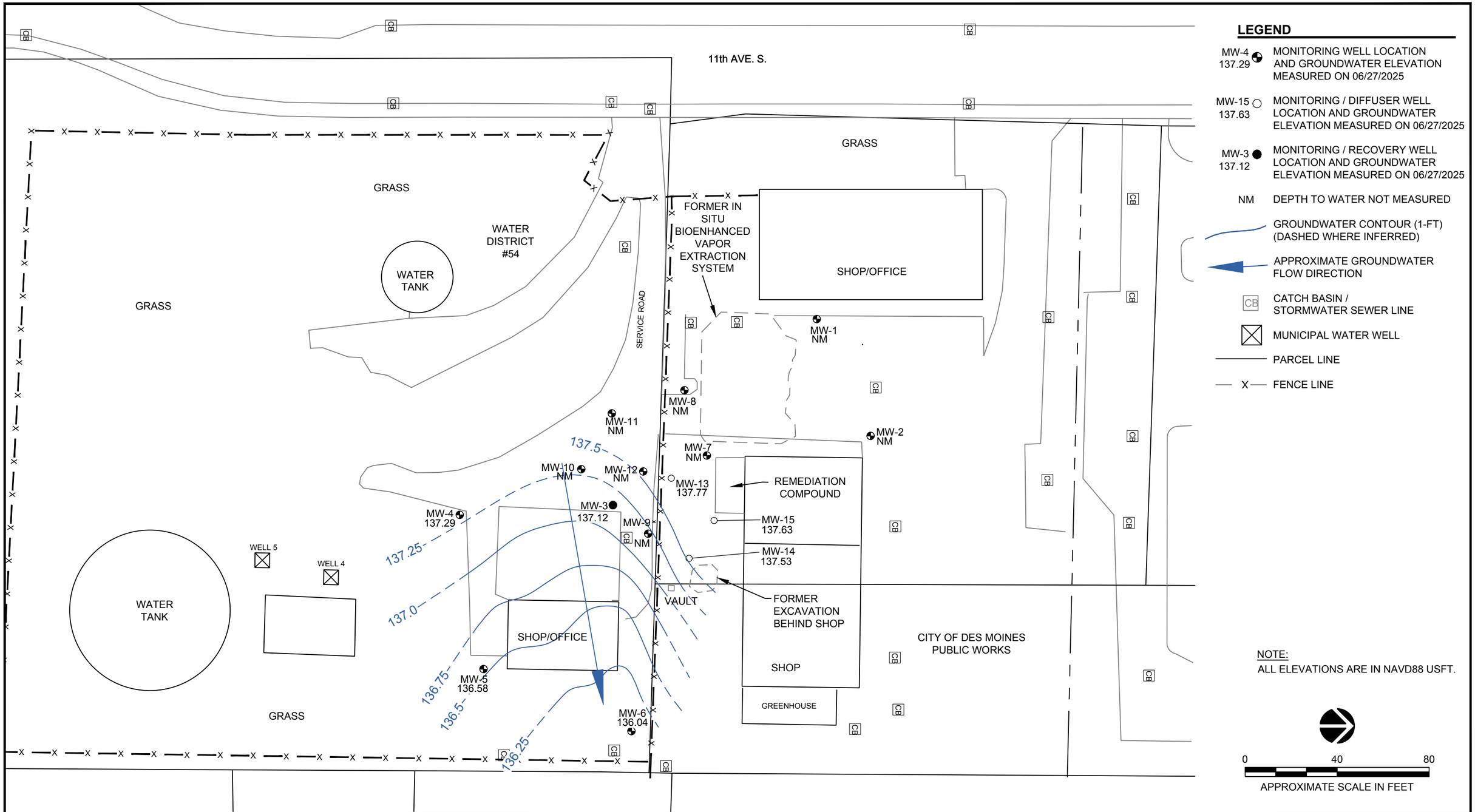
PROJECT
CITY OF DES MOINES
PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

TITLE
GROUNDWATER ELEVATION CONTOURS
ON 03/18/2025

DATE: JULY 2025
SCALE: AS SHOWN
PROJECT NO.: US0043858.1881
FIGURE: 6

DRAWN BY: APS CHECKED BY: CJ

F:\City of DesMoines WA\99_PROJECTS\US0033175,4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-2024Contours_250715.dwg - 1q25 - Jul, 31, 2025 8:06am - USSD715014



CLIENT
CITY OF DES MOINES
DEPARTMENT OF PUBLIC WORKS

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

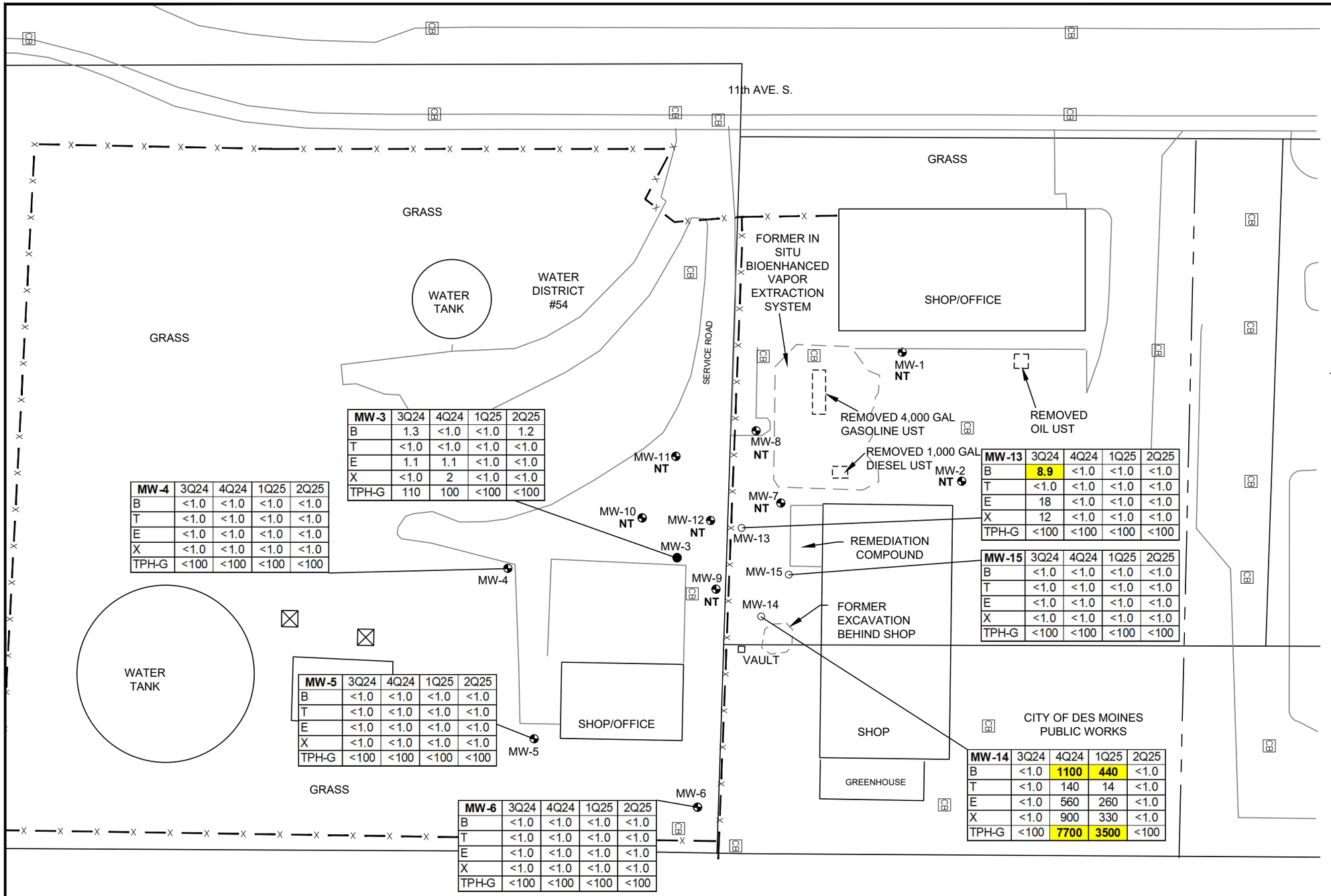
PROJECT
CITY OF DES MOINES
PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

TITLE
GROUNDWATER ELEVATION CONTOURS
ON 06/27/2025

DATE: JULY 2025
SCALE: AS SHOWN
PROJECT NO.: US0043858.1881
FIGURE: 7

DRAWN BY: APS CHECKED BY: CJ

F:\City of DesMoines WA\99_PROJECTS\US0033175.4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-2024Contours_250715.dwg - 2q25 - Jul. 30, 2025 9:45am - USSD715014



MW-3	3Q24	4Q24	1Q25	2Q25
B	1.3	<1.0	<1.0	1.2
T	<1.0	<1.0	<1.0	<1.0
E	1.1	1.1	<1.0	<1.0
X	<1.0	2	<1.0	<1.0
TPH-G	110	100	<100	<100

MW-4	3Q24	4Q24	1Q25	2Q25
B	<1.0	<1.0	<1.0	<1.0
T	<1.0	<1.0	<1.0	<1.0
E	<1.0	<1.0	<1.0	<1.0
X	<1.0	<1.0	<1.0	<1.0
TPH-G	<100	<100	<100	<100

MW-5	3Q24	4Q24	1Q25	2Q25
B	<1.0	<1.0	<1.0	<1.0
T	<1.0	<1.0	<1.0	<1.0
E	<1.0	<1.0	<1.0	<1.0
X	<1.0	<1.0	<1.0	<1.0
TPH-G	<100	<100	<100	<100

MW-6	3Q24	4Q24	1Q25	2Q25
B	<1.0	<1.0	<1.0	<1.0
T	<1.0	<1.0	<1.0	<1.0
E	<1.0	<1.0	<1.0	<1.0
X	<1.0	<1.0	<1.0	<1.0
TPH-G	<100	<100	<100	<100

MW-13	3Q24	4Q24	1Q25	2Q25
B	**8.9**	<1.0	<1.0	<1.0
T	<1.0	<1.0	<1.0	<1.0
E	18	<1.0	<1.0	<1.0
X	12	<1.0	<1.0	<1.0
TPH-G	<100	<100	<100	<100

MW-15	3Q24	4Q24	1Q25	2Q25
B	<1.0	<1.0	<1.0	<1.0
T	<1.0	<1.0	<1.0	<1.0
E	<1.0	<1.0	<1.0	<1.0
X	<1.0	<1.0	<1.0	<1.0
TPH-G	<100	<100	<100	<100

MW-14	3Q24	4Q24	1Q25	2Q25
B	<1.0	**1100**	**440**	<1.0
T	<1.0	140	14	<1.0
E	<1.0	560	260	<1.0
X	<1.0	900	330	<1.0
TPH-G	<100	**7700**	**3500**	<100

LEGEND

- MW-6 ⊕ MONITORING WELL LOCATION
- MW-15 ○ MONITORING / DIFFUSER WELL LOCATION
- MW-3 ● MONITORING / RECOVERY WELL LOCATION
- CB CATCH BASIN / STORMWATER SEWER LINE
- ⊠ MUNICIPAL WATER WELL
- PARCEL LINE
- FENCE LINE

ABBREVIATIONS:

- B BENZENE BY EPA METHOD 8021B
- T TOLUENE BY EPA METHOD 8021B
- E ETHYLBENZENE BY EPA METHOD 8021B
- X TOTAL XYLENES BY EPA METHOD 8021B
- TPH -G WASHINGTON TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (ECOLOGY METHOD NWTPH-G)
- 3Q24 SAMPLES TAKEN 09/05/2024
- 4Q24 SAMPLES TAKEN 12/23/2024
- 1Q25 SAMPLES TAKEN 03/18/2025
- 2Q25 SAMPLES TAKEN 06/27/2025
- NT NOT TESTED
- **BOLD** EXCEEDS MODEL TOXICS CONTROL ACT (MTCA) METHOD A CLEANUP LEVELS
  - B = 5
  - T = 1,000
  - E = 700
  - X = 1,000
  - TPH -G = 1,000 (800 IF DETECTABLE BENZENE IS PRESENT)

"<" INDICATES ANALYTE NOT DETECTED AT REPORTING LIMIT INDICATED

NOTES:

1. FOR DUPLICATE SAMPLES, THE HIGHER VALUE IS SHOWN.
2. ALL CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)

0 40 80

APPROXIMATE SCALE IN FEET

DRAWN BY: APS CHECKED BY: JP

CLIENT: CITY OF DES MOINES

WSP USA
18300 Redmond Way, Suite 200
Redmond, Washington 98052

PROJECT: CITY OF DES MOINES PUBLIC WORKS FACILITY
21650 11th Avenue S, Des Moines, Washington

TITLE: GROUNDWATER SAMPLE ANALYSIS RESULTS 2024-2025 REPORTING PERIOD

DATE: JULY 2025

SCALE: AS SHOWN

PROJECT NO.: US0043858.1881

FIGURE: 8

F:\City of DesMoines WA\99_PROJECTS\US0033175.4784 2024 Operations\PublicWorksFacility 21650 11th Ave S\02_PRODUCTION\DWG\DesMoines_GW-SampAnalysis-20250715.dwg – ANNUAL – Jul. 31, 2025 7:54am – USSD715014

TABLES

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-1[2] 143.605	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	NM	NA
	5/17/2012	NM	NA
	8/23/2012	NM	NA
	11/27/2012	NM	NA
	2/13/2013	NM	NA
	5/14/2013	NM	NA
	8/20/2013	NM	NA
	11/14/2013	NM	NA
	2/20/2014	NM	NA
	5/13/2014	NM	NA
	8/12/2014	NM	NA
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	NM	NA
	5/23/2017	NM	NA
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-2[2] 143.796	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	NM	NA
	5/17/2012	NM	NA
	8/23/2012	NM	NA
	11/27/2012	NM	NA
	2/13/2013	NM	NA
	5/14/2013	NM	NA
	8/20/2013	NM	NA
	11/14/2013	NM	NA
	2/20/2014	NM	NA
	5/13/2014	NM	NA
	8/12/2014	NM	NA
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	NM	NA
	5/23/2017	NM	NA
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-3[3] 143.904	8/16/2011	16.43	127.47
	11/11/2011	17.50	126.40
	2/16/2012	9.75	134.15
	5/17/2012	10.02	133.88
	8/23/2012	10.01	133.89
	11/27/2012	8.36	135.54
	2/13/2013	10.06	133.84
	5/14/2013	11.62	132.28
	8/20/2013	10.36	133.54
	11/14/2013	9.63	134.27
	2/20/2014	10.02	133.88
	5/13/2014	4.34	139.56
	8/12/2014	10.40	133.50
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	NM	NA
	5/23/2017	NM	NA
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/29/2018	NM	NA
	12/19/2018	NM	NA
	2/25/2019	NM	NA
	6/26/2019	7.61	136.29
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	5.45	138.45
	8/25/2020	NM	NA
	11/24/2020	4.33	139.57
	2/26/2021	NM	NA
	6/15/2021	5.95	137.95
	9/30/2021	9.00	134.90
	12/16/2021	3.64	140.26
	3/14/2022	3.80	140.10
	5/23/2022	4.19	139.71
	8/29/2022	8.46	135.44
	12/15/2022	4.32	139.58
	3/22/2023	4.24	139.66
	6/21/2023	6.80	137.10
	9/19/2023	9.97	133.93
	12/20/2023	3.85	140.05
	3/6/2024	3.40	140.50
	6/12/2024	NM	NA
	9/5/2024	8.13	135.77
	12/23/2024	3.38	140.52
	3/18/2025	3.35	140.55
	3/18/2025	6.78	137.12

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-4 146.936	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	NM	NA
	5/17/2012	6.41	140.53
	8/23/2012	10.81	136.13
	11/27/2012	5.65	141.29
	2/13/2013	5.75	141.19
	5/14/2013	7.54	139.40
	8/20/2013	12.86	134.08
	11/14/2013	6.54	140.40
	2/20/2014	6.62	140.32
	5/13/2014	4.83	142.11
	8/12/2014	11.66	135.28
	11/24/2014	6.01	140.93
	2/18/2015	5.29	141.65
	5/13/2015	8.51	138.43
	8/19/2015	NM	NA
	11/19/2015	5.40	141.54
	2/18/2016	3.88	143.06
	5/19/2016	9.60	137.34
	8/24/2016	13.20	133.74
	11/17/2016	4.65	142.29
	2/23/2017	4.30	142.64
	5/23/2017	6.53	140.41
	8/29/2017	12.52	134.42
	11/30/2017	4.37	142.57
	2/26/2018	5.57	141.37
	5/31/2018	9.23	137.71
	8/29/2018	13.24	133.70
	12/19/2018	5.63	141.31
	2/25/2019	4.65	142.29
	6/26/2019	10.28	136.66
	8/28/2019	12.44	134.50
	12/17/2019	7.56	139.38
	3/23/2020	5.72	141.22
	6/2/2020	7.66	139.28
	8/25/2020	11.38	135.56
	11/24/2020	5.29	141.65
	2/26/2021	3.17	143.77
	6/15/2021	5.67	141.27
	9/30/2021	11.94	135.00
	12/16/2021	4.10	142.84
	3/14/2022	4.72	142.22
	5/23/2022	5.22	141.72
	8/29/2022	10.67	136.27
	12/15/2022	5.45	141.49
	3/22/2023	5.41	141.53
	6/21/2023	9.42	137.52
	9/19/2023	12.36	134.58
	12/20/2023	4.86	142.08
	3/6/2024	4.27	142.67
	6/12/2024	8.17	138.77
	9/5/2024	11.08	135.86
	12/23/2024	4.33	142.61
	3/18/2025	3.44	143.50
	3/18/2025	9.65	137.29

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-5 143.884	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	NM	NA
	5/17/2012	5.15	138.73
	8/23/2012	9.67	134.21
	11/27/2012	4.34	139.54
	2/13/2013	4.68	139.20
	5/14/2013	8.02	135.86
	8/20/2013	11.32	132.56
	11/14/2013	5.48	138.40
	2/20/2014	5.59	138.29
	5/13/2014	3.97	139.91
	8/12/2014	10.74	133.14
	11/24/2014	4.93	138.95
	2/18/2015	4.20	139.68
	5/13/2015	6.53	137.35
	8/19/2015	12.50	131.38
	11/19/2015	4.05	139.83
	2/18/2016	3.46	140.42
	5/19/2016	7.35	136.53
	8/24/2016	12.10	131.78
	11/17/2016	4.30	139.58
	2/23/2017	3.95	139.93
	5/23/2017	5.08	138.80
	8/29/2017	11.21	132.67
	11/30/2017	3.98	139.90
	2/26/2018	4.68	139.20
	5/31/2018	7.21	136.67
	8/29/2018	11.95	131.93
	12/19/2018	4.20	139.68
	2/25/2019	4.23	139.65
	6/26/2019	8.05	135.83
	8/28/2019	10.61	133.27
	12/17/2019	5.56	138.32
	3/23/2020	4.96	138.92
	6/2/2020	5.79	138.09
	8/25/2020	9.61	134.27
	11/24/2020	4.48	139.40
	2/26/2021	3.57	140.31
	6/15/2021	6.30	137.58
	9/30/2021	8.39	135.49
	12/16/2021	4.02	139.86
	3/14/2022	4.34	139.54
	5/23/2022	4.67	139.21
	8/29/2022	8.60	135.28
	12/15/2022	4.58	139.30
	3/22/2023	4.60	139.28
	6/21/2023	7.05	136.83
	9/19/2023	10.90	132.98
	12/20/2023	4.51	139.37
	3/6/2024	3.64	140.24
	6/12/2024	6.65	137.23
	9/5/2024	9.12	134.76
	12/23/2024	3.95	139.93
	3/18/2025	3.85	140.03
	3/18/2025	7.30	136.58

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-6 140.321	8/16/2011	7.01	133.31
	11/11/2011	6.22	134.10
	2/16/2012	2.36	137.96
	5/17/2012	3.50	136.82
	8/23/2012	6.48	133.84
	11/27/2012	5.39	134.93
	2/13/2013	3.21	137.11
	5/14/2013	5.39	134.93
	8/20/2013	9.78	130.54
	11/14/2013	4.04	136.28
	2/20/2014	3.52	136.80
	5/13/2014	2.80	137.52
	8/12/2014	8.30	132.02
	11/24/2014	4.29	136.03
	2/18/2015	2.96	137.36
	5/13/2015	4.27	136.05
	8/19/2015	10.06	130.26
	11/19/2015	2.80	137.52
	2/18/2016	2.25	138.07
	5/19/2016	4.75	135.57
	8/24/2016	9.41	130.91
	11/17/2016	NM	NA
	2/23/2017	3.00	137.32
	5/23/2017	2.50	137.82
	8/29/2017	8.81	131.51
	11/30/2017	2.79	137.53
	2/26/2018	3.38	136.94
	5/31/2018	4.58	135.74
	8/29/2018	9.51	130.81
	12/19/2018	3.02	137.30
	2/25/2019	2.96	137.36
	6/26/2019	5.30	135.02
	8/28/2019	8.21	132.11
	12/17/2019	3.86	136.46
	3/23/2020	2.33	137.99
	6/2/2020	3.68	136.64
	8/25/2020	7.05	133.27
	11/24/2020	3.22	137.10
	2/26/2021	2.75	137.57
	6/15/2021	3.93	136.39
	9/30/2021	6.14	134.18
	12/16/2021	2.95	137.37
	3/14/2022	3.05	137.27
	5/23/2022	3.21	137.11
	8/29/2022	6.21	134.11
	12/15/2022	3.18	137.14
	3/22/2023	6.47	133.85
	6/21/2023	4.51	135.81
	9/19/2023	7.90	132.42
	12/20/2023	3.01	137.31
	3/6/2024	2.79	137.53
	6/12/2024	3.81	136.51
	9/5/2024	5.68	134.64
	12/23/2024	3.12	137.20
	3/18/2025	2.59	137.73
	3/18/2025	4.28	136.04

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-7 144.805	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	3.32	141.49
	5/17/2012	NM	NA
	8/23/2012	NM	NA
	11/27/2012	NM	NA
	2/13/2013	NM	NA
	5/14/2013	NM	NA
	8/20/2013	NM	NA
	11/14/2013	NM	NA
	2/20/2014	NM	NA
	5/13/2014	NM	NA
	8/12/2014	NM	NA
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	3.19	141.62
	5/23/2017	NM	NA
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/29/2018	NM	NA
	12/19/2018	NM	NA
	2/25/2019	NM	NA
	6/26/2019	NM	NA
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-8 146.13	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	3.52	142.62
	5/17/2012	NM	NA
	8/23/2012	NM	NA
	11/27/2012	NM	NA
	2/13/2013	NM	NA
	5/14/2013	NM	NA
	8/20/2013	NM	NA
	11/14/2013	NM	NA
	2/20/2014	NM	NA
	5/13/2014	NM	NA
	8/12/2014	NM	NA
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	NM	NA
	5/23/2017	NM	NA
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/29/2018	NM	NA
	12/19/2018	NM	NA
	2/25/2019	NM	NA
	6/26/2019	NM	NA
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-9 142.959	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	NM	NA
	5/17/2012	NM	NA
	8/23/2012	NM	NA
	11/27/2012	NM	NA
	2/13/2013	NM	NA
	5/14/2013	NM	NA
	8/20/2013	NM	NA
	11/14/2013	NM	NA
	2/20/2014	NM	NA
	5/13/2014	NM	NA
	8/12/2014	NM	NA
	11/24/2014	NM	NA
	2/18/2015	3.99	138.97
	5/13/2015	NM	NA
	8/19/2015	14.06	128.90
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	2.45	140.51
	5/23/2017	NM	NA
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/29/2018	NM	NA
	12/19/2018	NM	NA
	2/25/2019	NM	NA
	6/26/2019	NM	NA
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-10 145.637	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	3.46	142.18
	5/17/2012	NM	NA
	8/23/2012	NM	NA
	11/27/2012	NM	NA
	2/13/2013	NM	NA
	5/14/2013	NM	NA
	8/20/2013	NM	NA
	11/14/2013	NM	NA
	2/20/2014	NM	NA
	5/13/2014	NM	NA
	8/12/2014	NM	NA
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	NM	NA
	5/23/2017	5.05	140.59
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/29/2018	NM	NA
	12/19/2018	NM	NA
	2/25/2019	NM	NA
	6/26/2019	NM	NA
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-11 146.867	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	4.38	142.49
	5/17/2012	NM	NA
	8/23/2012	NM	NA
	11/27/2012	NM	NA
	2/13/2013	NM	NA
	5/14/2013	NM	NA
	8/20/2013	NM	NA
	11/14/2013	NM	NA
	2/20/2014	NM	NA
	5/13/2014	NM	NA
	8/12/2014	NM	NA
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	NM	NA
	5/23/2017	5.34	141.53
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/29/2018	NM	NA
	12/19/2018	NM	NA
	2/25/2019	NM	NA
	6/26/2019	7.92	138.95
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-12 144.453	8/16/2011	9.45	135.00
	11/11/2011	8.71	135.74
	2/16/2012	3.45	141.00
	5/17/2012	5.28	139.17
	8/23/2012	8.71	135.74
	11/27/2012	7.56	136.89
	2/13/2013	4.43	140.02
	5/14/2013	7.66	136.79
	8/20/2013	8.82	135.63
	11/14/2013	8.62	135.83
	2/20/2014	8.30	136.15
	5/13/2014	3.62	140.83
	8/12/2014	9.03	135.42
	11/24/2014	NM	NA
	2/18/2015	NM	NA
	5/13/2015	NM	NA
	8/19/2015	NM	NA
	11/19/2015	NM	NA
	2/18/2016	NM	NA
	5/19/2016	NM	NA
	8/24/2016	NM	NA
	11/17/2016	NM	NA
	2/23/2017	2.47	141.98
	5/23/2017	4.91	139.54
	8/29/2017	NM	NA
	11/30/2017	NM	NA
	2/26/2018	NM	NA
	5/31/2018	NM	NA
	8/29/2018	NM	NA
	12/19/2018	NM	NA
	2/25/2019	NM	NA
	6/26/2019	NM	NA
	8/28/2019	NM	NA
	12/17/2019	NM	NA
	3/23/2020	NM	NA
	6/2/2020	NM	NA
	8/25/2020	NM	NA
	11/24/2020	NM	NA
	2/26/2021	NM	NA
	6/15/2021	NM	NA
	9/30/2021	NM	NA
	12/16/2021	NM	NA
	3/14/2022	NM	NA
	5/23/2022	NM	NA
	8/29/2022	NM	NA
	12/15/2022	NM	NA
	3/22/2023	NM	NA
	6/21/2023	NM	NA
	9/19/2023	NM	NA
	12/20/2023	NM	NA
	3/6/2024	NM	NA
	6/12/2024	NM	NA
	9/5/2024	NM	NA
	12/23/2024	NM	NA
	3/18/2025	NM	NA
	6/27/2025	NM	NA

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-13[4] 144.800	8/16/2011	NM	NA
	11/11/2011	NM	NA
	2/16/2012	8.39	136.41
	5/17/2012	9.72	135.08
	8/23/2012	8.50	136.30
	11/27/2012	8.22	136.58
	2/13/2013	8.52	136.28
	5/14/2013	NM	NA
	8/20/2013	8.69	136.11
	11/14/2013	8.21	136.59
	2/20/2014	8.39	136.41
	5/13/2014	4.15	140.65
	8/12/2014	9.18	135.62
	11/24/2014	5.42	139.38
	2/18/2015	4.48	140.32
	5/13/2015	6.47	138.33
	8/19/2015	11.28	133.52
	11/19/2015	3.46	141.34
	2/18/2016	2.82	141.98
	5/19/2016	6.75	138.05
	8/24/2016	10.32	134.48
	11/17/2016	3.46	141.34
	2/23/2017	3.60	141.20
	5/23/2017	5.19	139.61
	8/29/2017	9.90	134.90
	11/30/2017	3.39	141.41
	2/26/2018	4.99	139.81
	5/31/2018	6.87	137.93
	8/29/2018	10.92	133.88
	12/19/2018	3.47	141.33
	2/25/2019	3.54	141.26
	6/26/2019	7.65	137.15
	8/28/2019	9.88	134.92
	12/17/2019	5.97	138.83
	3/23/2020	5.07	139.73
	6/2/2020	4.91	139.89
	8/25/2020	8.99	135.81
	11/24/2020	3.82	140.98
	2/26/2021	3.10	141.70
	6/15/2021	5.25	139.55
	9/30/2021	9.20	135.60
	12/16/2021	3.55	141.25
	3/14/2022	4.00	140.80
	5/23/2022	5.28	139.52
	8/29/2022	8.56	136.24
	12/15/2022	4.46	140.34
	3/22/2023	4.12	140.68
	6/21/2023	7.01	137.79
	9/19/2023	10.00	134.80
	12/20/2023	4.00	140.80
	3/6/2024	3.47	141.33
	6/12/2024	5.84	138.96
	9/6/2024	8.31	136.49
	12/23/2024	2.85	141.95
	3/18/2025	3.31	141.49
	3/18/2025	7.03	137.77

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-14[4] 143.245	8/16/2011	8.63	134.62
	11/11/2011	11.38	131.87
	2/16/2012	4.20	139.05
	5/17/2012	8.28	134.97
	8/23/2012	3.67	139.58
	11/27/2012	3.42	139.83
	2/13/2013	5.45	137.80
	5/14/2013	3.99	139.26
	8/20/2013	3.72	139.53
	11/14/2013	4.72	138.53
	2/20/2014	4.97	138.28
	5/13/2014	5.96	137.29
	8/12/2014	8.15	135.10
	11/24/2014	4.62	138.63
	2/18/2015	5.22	138.03
	5/13/2015	5.93	137.32
	8/19/2015	9.81	133.44
	11/19/2015	5.52	137.73
	2/18/2016	NM	NA
	5/19/2016	5.66	137.59
	8/24/2016	9.40	133.85
	11/17/2016	5.46	137.79
	2/23/2017	NM	NA
	5/23/2017	4.22	139.03
	8/29/2017	9.71	133.54
	11/30/2017	5.24	138.01
	2/26/2018	5.15	138.10
	5/31/2018	5.82	137.43
	8/29/2018	9.77	133.48
	12/19/2018	5.34	137.91
	2/25/2019	4.74	138.51
	6/26/2019	6.34	136.91
	8/28/2019	8.66	134.59
	12/17/2019	5.70	137.55
	3/23/2020	5.19	138.06
	6/2/2020	5.41	137.84
	8/25/2020	7.98	135.27
	11/24/2020	5.11	138.14
	2/26/2021	4.48	138.77
	6/15/2021	5.54	137.71
	9/30/2021	5.71	137.54
	12/16/2021	4.99	138.26
	3/14/2022	4.89	138.36
	5/23/2022	4.97	138.28
	8/29/2022	7.50	135.75
	12/15/2022	5.59	137.66
	3/22/2023	5.29	137.96
	6/21/2023	5.69	137.56
	9/19/2023	8.86	134.39
	12/20/2023	5.18	138.07
	3/6/2024	4.94	138.31
	6/12/2024	5.34	137.91
	9/6/2024	7.28	135.97
	12/23/2024	5.35	137.90
	3/18/2025	5.26	137.99
	6/27/2025	5.72	137.53

TABLE 1: GROUNDWATER DEPTHS AND ELEVATIONS [1]

City of Des Moines Public Works Facility, Des Moines, Washington

Monitoring Well ID and Elevation (feet)[1]	Date	Depth to Water (feet)	Groundwater Elevation[1]
MW-15[4] 143.901	8/16/2011	16.31	127.59
	5/17/2012	16.19	127.71
	8/23/2012	3.82	140.08
	11/27/2012	3.63	140.27
	2/13/2013	5.32	138.58
	8/20/2013	3.95	139.95
	2/20/2014	5.01	138.89
	5/13/2014	4.52	139.38
	8/12/2014	8.24	135.66
	11/24/2014	5.81	138.09
	2/18/2015	3.41	140.49
	5/13/2015	5.99	137.91
	8/19/2015	9.86	134.04
	11/19/2015	3.01	140.89
	2/18/2016	NM	NA
	5/19/2016	5.95	137.95
	11/17/2016	2.78	141.12
	2/23/2017	NM	NA
	11/30/2017	2.82	141.08
	2/26/2018	4.03	139.87
	5/31/2018	6.10	137.80
	12/19/2018	2.64	141.26
	2/25/2019	3.10	140.80
	6/26/2019	6.78	137.12
	8/28/2019	8.85	135.05
	12/17/2019	4.29	139.61
	3/23/2020	4.68	139.22
	6/2/2020	3.10	140.80
	8/25/2020	8.02	135.88
	11/24/2020	2.98	140.92
	2/26/2021	2.72	141.18
	6/15/2021	2.96	140.94
	9/30/2021	5.54	138.36
	12/16/2021	2.88	141.02
	3/14/2022	3.04	140.86
	5/23/2022	3.87	140.03
	8/29/2022	7.73	136.17
	12/15/2022	2.97	140.93
	3/22/2023	3.10	140.80
	6/21/2023	6.29	137.61
	9/19/2023	9.08	134.82
	12/20/2023	3.06	140.84
	3/6/2024	2.88	141.02
	6/12/2024	5.23	138.67
	9/6/2024	7.45	136.45
	12/23/2024	2.57	141.33
	3/18/2025	2.77	141.13
	6/27/2025	6.27	137.63

Notes:

1. All elevations are in NAVD88 US FT
2. This monitoring well is no longer sampled because groundwater samples never contained constituents of concern above laboratory reporting limits.
3. Historical recovery well.
4. Historical diffuser well.

Abbreviations:

NA = not applicable

NM = not measured

TABLE 2: GROUNDWATER ANALYTICAL RESULTS SINCE 2012 [1, 2]

City of Des Moines Public Works Facility, Des Moines, Washington

Results reported in micrograms per liter (µg/L)

Monitoring Well ID	Sampling Date	Sample ID	TPH-G[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	m,p-Xylene[4]	o-Xylene[4]	Total Xylenes[4]
MTCA Method A Cleanup Levels			*1,000/800* [5]	*5*	*1,000*	*700*	*NA*	*NA*	*1,000*
MW-1[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2[6]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3[7]	8/23/2012	MW3-082312	**40,000**	**66**	**3,000**	**830**	2,900	1,000	**3,900**
	11/27/2012	MW3-11272012	**3,300**	4.0	13	150	390	230	620
	2/13/2013	MW3-021313	**3,300**	4.1	7.9	180	270	65	335
	2/13/2013	DUP-01	**3,400**	4.1	12	170	250	74	324
	5/14/2013	MW3-51413	**4,900**	**9.1**	620	140	540	310	850
	8/20/2013	MW3-082013	**37,000**	**54**	**6,800**	**1,800**	5,600	2,000	**7,600**
	8/20/2013	DUP-1-082013	**46,000**	**72**	**7,800**	**2,000**	6,400	2,300	**8,700**
	11/14/2013	MW3-111413	**5,700**	<4.0	6.5	160	580	240	820
	2/20/2014	MW3-022014	590	<1.0	17	7.3	66	39	105
	5/13/2014	MW3-051314	**3,700**	<4.0	<4.0	150	290	150	440
	8/12/2014	MW3-081214	**19,000**	**9.0**	280	**810**	2,700	570	**3,270**
	8/12/2014	DUP-081214	**19,000**	**8.9**	280	**890**	2,900	620	**3,520**
	11/24/2014	MW3-112414	**4,600**	3.3	22	180	650	310	960
	11/24/2014	DUP-112414	**4,600**	3.2	22	150	550	260	810
	11/24/2014 [8]	INF-H2O-112414	**20,000**	**7.4**	13	580	2,500	820	**3,320**
	2/18/2015	MW3-021815	**15,000**	**6.1**	8.1	550	2,000	350	**2,350**
	5/13/2015	MW3-051315	**4,500**	2.4	4.3	300	1,000	330	**1,330**
	11/19/2015	MW3-111915	**8,800**	**38**	16	350	1,100	190	**1,290**
	2/18/2016	MW3-021816	**3,200**	<4.0	<4.0	84	240	87	327
	5/19/2016	MW-3-051916	**10,000**	**7.4**	9.4	380	1,100	340	**1,440**
	8/24/2016 [8]	INF-082416	**18,000**	**48**	77	**1,500**	1,900	240	**2,140**
	2/23/2017 [8]	INF-022317	**6,800**	<4.0	14	200	620	250	870
	5/23/2017 [8]	MW3-052317	**9,400 J**	<4.0	4.9	300	730	300	**1,030**
	11/30/2017 [8]	MW-3-113017	**5,100 J**	4.6 J	<4.0 J	170 J	320 J	190 J	510 J
	2/26/2018 [8]	MW-3-02262018	**4,300 J**	1.1	<1.0	89	360	110	470
	5/31/2018 [8]	MW-3-053118	**4,900 J**	1.1	2.4	170	340	110	450
	8/29/2018 [8]	MW-3-082918	**12,000**	**13**	130	620	730	76	806
	12/19/2018 [8]	INF-121918	**2,100**	3.2	<1.0	63	140	59	199
	2/25/2019 [8]	MW-3-022519	**4,000**	1.2	1.4	95	400	130	530
	6/26/2019	MW-3-062619	**2,400**	1.3	<1.0	94	140	60	200
	8/28/2019 [8]	MW-3-082819	**11,000**	**9.1**	29	500	830	96	926
	12/17/2019 [8]	MW-3-121719	**6,000**	< 4.0	<4.0	160	320	120	440
	3/23/2020 [8]	MW-3-032320	630	**6.1**	3.4	7.6	21	12	33
	6/2/2020	MW-3-060220	460	<1.0	<1.0	25	6.8	11	17.8
	6/18/2020 [8]	MW-3-061820	**7,200**	<4.0	<4.0	250	740	130	870
	8/25/2020	MW-3-082520	**5,000**	4.6	15	190	360	73	433
	11/24/2020	MW-3-112420	**1,900**	1.2	1.9	89	110	73	183
	2/26/2021 [8]	MW-3-022621	**1,600**	1.2	<1.0	37	62	68	130
	6/15/2021	MW-3-061521	310	<1.0	<1.0	12	3.3	13	16.3
	6/15/2021	DUP-061521	300	<1.0	<1.0	11	3.2	13	16.2
	9/30/2021	MW-3-093021	370	<1.0	<1.0	15	47	24	71
	12/16/2021	MW-3-121621	300	1.3	<1.0	13	6.0	10	16
	12/16/2021	DUP-121621	<400	<4.0	<4.0	11	5.0	8.9	13.9
	3/14/2022	MW-3-031422	690	2.6	<1.0	21	18	8.2	26.2
	3/14/2022	DUP-031422	710	2.5	<1.0	21	19	8.4	27.4
	5/23/2022	MW-3-052322	460	2	<1.0	24	5	4.2	9.0
	8/29/2022	MW-3-082922	**8,200**	5	<1.0	290	770.0	220	990
	8/29/2022	DUP-082922	**8,000**	5	<1.0	260	720.0	210	930
	12/15/2022	MW-3-121522	280	1.1	<1.0	3.5	2	5.2	7
	12/15/2022	DUP-121522	260	1.1	<1.0	3.1	2	5.1	7.1
	3/22/2023	MW-3-032223	470	2	<1.0	9	5	4	9
	6/21/2023	MW-3-062123	**1,100**	3.0	<1.0	32	46.0	23	69.0
	9/19/2023	MW-3-091923	370	2.5	<1.0	18	12.0	2.5	14.5
	12/20/2023	MW-3-122023	240	1.1	<1.0	1.3	2.9	1.3	4.2
	3/6/2024	MW-3-030624	140	1.1	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2024	MW-3-06122024	NA	NA	NA	NA	NA	NA	NA
	9/5/2024	MW-3-09052024	110	1.3	<1.0	1.1	<1.0	<1.0	<1.0
	12/23/2024	MW-3-122324	100	<1.0	<1.0	1.1	2	<1.0	2
	3/18/2025	MW-3-031825	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/27/2025	MW-3-062725	<100	1.2	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2: GROUNDWATER ANALYTICAL RESULTS SINCE 2012 [1, 2]

City of Des Moines Public Works Facility, Des Moines, Washington

Results reported in micrograms per liter (µg/L)

Monitoring Well ID	Sampling Date	Sample ID	TPH-G[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	m,p-Xylene[4]	o-Xylene[4]	Total Xylenes[4]
MTCA Method A Cleanup Levels			*1,000/800* [5]	*5*	*1,000*	*700*	*NA*	*NA*	*1,000*
MW-4	8/23/2012	MW4-082312	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/27/2012	MW4-11272012	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/13/2013	MW4-021313	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2013	MW4-51413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/20/2013	MW4-082013	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	MW4-111413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/20/2014	MW4-022014	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2014	MW4-051314	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/12/2014	MW4-081214	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2014	MW4-112414	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2015	MW4-021815	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2015	MW4-051315	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/19/2015	MW4-081915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2015	MW4-111915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2016	MW4-021816	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2016	MW-4-051916	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/2016	MW-4-082416	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2016	MW-4-111716	<100	<0.20	<1.0	<0.20	<0.40	<0.20	<0.60
	2/23/2017	MW-4-022317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2017	MW-4-052317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2017	MW4082917	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2017	MW-4-113017	<100 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J
	2/26/2018	MW-4-02262018	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2018	MW-4-053118	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2018	MW-4-082918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2018	MW-4-121918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/25/2019	MW-4-022519	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/26/2019	MW-4-062619	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2019	MW-4-082819	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2019	MW-4-121719	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2020	MW-4-032320	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/2/2020	MW-4-060220	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/25/2020	MW-4-082520	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2020	MW-4-112420	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/26/2021	MW-4-022621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2021	MW-4-061521	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2021	MW-4-093021	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2021	MW-4-121621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/14/2022	MW-4-031422	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2022	MW-4-052322	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2022	MW-4-082922	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2022	MW-4-121522	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/22/2023	MW-4-032223	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/21/2023	MW-4-062123	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/19/2023	MW-4-091923	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2023	MW-4-122023	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/6/2024	MW-4-030624	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2024	MW-4-06122024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/5/2024	MW-4-09052024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/23/2024	MW-4-122324	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2025	MW-4-031825	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/27/2025	MW-4-062725	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2: GROUNDWATER ANALYTICAL RESULTS SINCE 2012 [1, 2]

City of Des Moines Public Works Facility, Des Moines, Washington

Results reported in micrograms per liter (µg/L)

Monitoring Well ID	Sampling Date	Sample ID	TPH-G[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	m,p-Xylene[4]	o-Xylene[4]	Total Xylenes[4]
MTCA Method A Cleanup Levels			*1,000/800* [5]	*5*	*1,000*	*700*	*NA*	*NA*	*1,000*
MW-5	8/23/2012	MW5-082312	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/27/2012	MW5-11272012	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/13/2013	MW5-021313	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2013	MW5-51413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/20/2013	MW5-082013	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	MW5-111413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/20/2014	MW5-022014	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2014	MW5-051314	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/12/2014	MW5-081214	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2014	MW5-112414	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2015	MW5-021815	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2015	MW5-051315	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/19/2015	MW5-081915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2015	MW5-111915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2016	MW5-021816	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2016	MW-5-051916	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/2016	MW-5-082416	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2016	MW-5-111716	<100	<0.20	<1.0	<0.20	<0.40	<0.20	<0.60
	2/23/2017	MW-5-022317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2017	MW-5-052317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2017	MW5082917	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2017	MW-5-113017	<100 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J
	2/26/2018	MW-5-02262018	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2018	MW-5-053118	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2018	MW-5-082918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2018	MW-5-121918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/25/2019	MW-5-022519	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/26/2019	MW-5-062619	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2019	MW-5-082819	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2019	MW-5-121719	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2020	MW-5-032320	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/2/2020	MW-5-060220	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/25/2020	MW-5-082520	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2020	MW-5-112420	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/26/2021	MW-5-022621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2021	MW-5-061521	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2021	MW-5-093021	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2021	MW-5-121621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/14/2022	MW-5-031422	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2022	MW-5-052322	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2022	MW-5-082922	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2022	MW-5-121522	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/22/2023	MW-5-032223	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/21/2023	MW-5-062123	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/19/2023	MW-5-091923	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2023	MW-5-122023	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/6/2024	MW-5-030624	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2024	MW-5-06122024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/5/2024	MW-5-09052024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/23/2024	MW-5-122324	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2025	MW-5-031825	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/27/2025	MW-5-0602725	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2: GROUNDWATER ANALYTICAL RESULTS SINCE 2012 [1, 2]

City of Des Moines Public Works Facility, Des Moines, Washington

Results reported in micrograms per liter (µg/L)

Monitoring Well ID	Sampling Date	Sample ID	TPH-G[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	m,p-Xylene[4]	o-Xylene[4]	Total Xylenes[4]
MTCA Method A Cleanup Levels			*1,000/800* [5]	*5*	*1,000*	*700*	*NA*	*NA*	*1,000*
MW-6	8/23/2012	MW6-082312	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/27/2012	MW6-11272012	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/13/2013	MW6-021313	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2013	MW6-51413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/20/2013	MW6-082013	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	MW6-111413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/20/2014	MW6-022014	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2014	MW6-051314	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/12/2014	MW6-081214	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2014	MW6-112414	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2015	MW6-021815	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2015	MW6-051315	<400	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	8/19/2015	MW6-081915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2015	MW6-111915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2016	MW6-021816	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2016	MW-6-051916	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/2016	MW-6-082416	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/23/2017	MW-6-022317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2017	MW-6-052317	<400 J	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	8/29/2017	MW6082917	<400	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	11/30/2017	DUP-113017	<100 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J
	11/30/2017	MW-6-113017	<100 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J
	2/26/2018	MW-6-02262018	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/26/2018	DUP-02262018	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2018	MW-6-053118	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2018	DUP-053118	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2018	MW-6-082918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2018	MW-6-121918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/25/2019	MW-6-022519	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/26/2019	MW-6-062619	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2019	MW-6-082819	<400	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	12/17/2019	MW-6-121719	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2020	MW-6-032320	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/2/2020	MW-6-060220	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/25/2020	MW-6-082520	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2020	MW-6-112420	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/26/2021	MW-6-022621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2021	MW-6-061521	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2021	MW-6-093021	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2021	MW-6-121621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/14/2022	MW-6-031422	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2022	MW-6-052322	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2022	MW-6-082922	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2022	MW-6-121522	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/22/2023	MW-6-032223	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/21/2023	MW-6-062123	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/19/2023	MW-6-091923	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2023	MW-6-122023	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/6/2024	MW-6-030624	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2024	MW-6-06122024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/5/2024	MW-6-09052024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/23/2024	MW-6-122324	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2025	MW-6-031825	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/27/2025	MW-6-062725	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-7	2/23/2017	MW-7-022317	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-8[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-9	2/18/2015	MW9-021815	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/23/2017	MW-9-022317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-10[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-11[9]	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-12[9]	8/23/2012	MW12-082312	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/27/2012	MW12-11272012	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/13/2013	MW12-021313	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2013	MW12-51413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/20/2013	MW12-082013	340	2.3	5.9	5.4	11	10	21
	11/14/2013	MW12-111413	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/20/2014	MW12-022014	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2014	MW12-051314	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/23/2017	MW-12-022317	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2: GROUNDWATER ANALYTICAL RESULTS SINCE 2012 [1, 2]

City of Des Moines Public Works Facility, Des Moines, Washington

Results reported in micrograms per liter (µg/L)

Monitoring Well ID	Sampling Date	Sample ID	TPH-G[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	m,p-Xylene[4]	o-Xylene[4]	Total Xylenes[4]
MTCA Method A Cleanup Levels			*1,000/800* [5]	*5*	*1,000*	*700*	*NA*	*NA*	*1,000*
MW-13[10]	8/23/2012	MW13-082312	**15,000**	**46**	600	430	1,200	560	**1,760**
	8/23/2012	DUP-082312	**11,000**	**53**	720	310	1,100	420	**1,520**
	11/27/2012	MW13-112712	260	2.5	6.7	8.8	29	7.3	36
	11/27/2012	DUP-112712	290	2.7	7.2	9.4	31	7.6	39
	2/13/2013	MW13-021313	**7,300**	**7.2**	53	210	770	160	930
	5/14/2013	MW13-51413	**20,000**	**75**	**4,700**	460	1,600	700	**2,300**
	5/14/2013	Dup-51413	**21,000**	**61**	**4,100**	540	2,000	2,000	**4,000**
	8/20/2013	MW13-082013	**19,000**	**35**	**2,000**	**770**	2,500	770	**3,270**
	11/14/2013	MW13-111413	**2,200**	**5.6**	120	66	250	110	360
	2/20/2014	MW13-022014	**2,600**	**9**	66	90	110	140	250
	5/13/2014	MW13-051314	<100	<1.0	<1.0	<1.0	1	<1.0	1
	8/12/2014	MW13-081214	**24,000**	**240.0**	**5,300**	**1,100**	3,100	1,300	**4,400**
	11/24/2014	MW13-112414	<100	<1.0	<1.0	1.7	4	1.8	5.5
	2/18/2015	MW13-021815	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2015	MW13-051315	<400	<4.0	36	15	45	17	62
	8/19/2015	MW13-081915	**25,000**	**250**	**4,600**	**1,300**	4,200	1,900	**6,100**
	11/19/2015	MW13-111915	200	<1.0	<1.0	10	31	14	45
	2/18/2016	MW13-021816	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2016	DUP-021816	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2016	MW-13-051916	<100	<1.0	<1.0	1	1	<1.0	1.3
	8/24/2016	MW-13-082416	**21,000**	**260**	**2,400**	**880**	2,600	1,200	**3,800**
	8/24/2016	MW-16-082416	**23,000**	**270**	**2,600**	**970**	2,800	1,300	**4,100**
	11/17/2016	MW-13-111716	<100	<0.20	<1.0	1.6	14	9.2	23.2
	2/23/2017	MW-13-022317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/23/2017	MW-131-022317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2017	MW-13-052317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2017	DUP-052317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2017	MW13082917	**2,400**	**84**	210	100	240	110	350
	11/30/2017	MW-13-113017	<100 J	<1.0 J	<1.0 J	<1.0 J	4.1 J	2.6 J	6.7 J
	2/26/2018	MW-13-02262018	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2018	MW-13-053118	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2018	MW-13-082918	**3,100**	**110**	260	110	280	160	440
	12/19/2018	MW-13-121918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/19/2018	DUP-121918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/25/2019	MW-13-022519	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/25/2019	DUP-022519	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/26/2019	MW-13-062619	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2019	MW-13-082819	<400	**17**	<4.0	<4.0	4.0	<4.0	4.0
	12/17/2019	MW-13-121719	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2020	MW-13-032320	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/2/2020	MW-13-060220	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/25/2020	MW-13-082520	210	<1.0	70	<1.0	<1.0	<1.0	<1.0
	8/25/2020	DUP-082520	260	<1.0	86	<1.0	<1.0	<1.0	<1.0
	11/24/2020	MW-13-112420	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/26/2021	MW-13-022621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/15/2021	MW-13-061521	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2021	MW-13-093021	<100	1.8	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2021	MW-13-121621	<100	<1.0	1.1	<1.0	<1.0	<1.0	<1.0
	3/14/2022	MW-13-031422	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2022	MW-13-052322	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2022	MW-13-082922	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2022	MW-13-121522	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/22/2023	MW-13-032223	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/21/2023	MW-13-062123	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/19/2023	MW-13-091923	<100	3.1	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2023	MW-13-122023	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/6/2024	MW-13-030624	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2024	MW-13-06122024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/5/2024	MW-13-09052024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/23/2024	MW-13-122324	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2025	MW-13-031825	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/27/2025	MW-13-062725	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2: GROUNDWATER ANALYTICAL RESULTS SINCE 2012 [1, 2]

City of Des Moines Public Works Facility, Des Moines, Washington

Results reported in micrograms per liter (µg/L)

Monitoring Well ID	Sampling Date	Sample ID	TPH-G[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	m,p-Xylene[4]	o-Xylene[4]	Total Xylenes[4]
MTCA Method A Cleanup Levels			*1,000/800* [5]	*5*	*1,000*	*700*	*NA*	*NA*	*1,000*
MW-14[10]	8/23/2012	MW14-082312	<100	**26**	<1.0	<1.0	<1.0	2.6	2.6
	11/27/2012	MW14-11272012	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/13/2013	MW14-021313	**7,900**	**38**	80	210	1,800	520	**2,320**
	5/14/2013	MW14-51413	370	2	2	15	45	11	56
	8/20/2013	MW14-082013	120	1.5	<1.0	1.9	<1.0	2.7	2.7
	11/14/2013	MW14-111413	310	**370**	3.8	7.4	4	<1.0	4.4
	2/20/2014	MW14-022014	**8,500**	**210**	85	640	1,700	190	**1,890**
	5/13/2014	MW14-051314	**7,500**	**180**	39	500	750	50	800
	8/12/2014	MW14-081214	**820**	**23**	<4.0	54	20	4	24
	11/24/2014	MW14-112414	**1,600**	**230**	21	120	99	10	109
	2/18/2015	MW14-021815	**9,100**	**200**	44	**810**	1,700	64	**1,764**
	5/13/2015	MW14-051315	**5,000**	**140**	20	310	450	45	495
	5/13/2015	DUP-051315	**6,100**	**140**	21	310	430	46	476
	8/19/2015	MW14-081915	310	**7.8**	<1.0	9.2	12	6.4	18
	8/19/2015	DUP-081915	230	**6.2**	<1.0	7	8	4.9	13
	11/19/2015	MW14-111915	<100	**28**	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2016	MW-14-051916	350	1.7	<1.0	14	36	2.6	38.6
	5/19/2016	DUP-051916	330	1.5	<1.0	13	33	2.5	36
	8/24/2016	MW-14-082416	<100	**46**	<1.0	1.7	2.3	1.7	4.0
	11/17/2016	MW-14-111716	<400	**210**	<5.0	9.0	7.0	<1.0	7.0
	5/23/2017	MW-14-052317	<100 J	2.4	<1.0	6.3	8.6	1.7	10
	8/29/2017	MW14082917	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2017	DUP-082917	<100	1.1	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2017	MW-14-113017	290 J	**51 J**	2.3 J	12 J	13 J	<1.0 J	13 J
	2/26/2018	MW-14-02262018	**7,200 J**	**95**	25	620	1,200	9.5	**1,210**
	5/31/2018	MW-14-053118	**1,000 J**	**54**	3.1	34	36	1.3	37
	8/29/2018	MW-14-082918	150	**52**	5.8	2.4	7.0	3.5	10.5
	8/29/2018	DUP-082918	140	**45**	5.9	2.5	7.4	3.6	11.0
	12/19/2018	MW-14-121918	<100	**58**	<1.0	<1.0	1.4	<1.0	1.4
	2/25/2019	MW-14-022519	**5,800**	**98**	41	440	720	44	764
	6/26/2019	MW-14-062619	190	2.9	<1.0	4.5	3.3	<1.0	3.3
	6/26/2019	DUP-062619	190	3.0	<1.0	4.5	3.0	<1.0	3.0
	8/28/2019	MW-14-082819	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2019	DUP-082819	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2019	MW-14-121719	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2019	DUP-121719	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2020	MW-14-032320	**3,300**	**45**	10	150	340	2.3	342.3
	3/23/2020	DUP-032320	**3,330**	**45**	10	160	340	2.2	342.2
	6/2/2020	MW-14-060220	**1,400**	**92**	13	99	53	1.8	54.8
	6/2/2020	DUP-060220	**1,500**	**93**	13	88	57	2.0	59
	8/25/2020	MW-14-082520	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2020	MW-14-112420	250	**29**	1.3	3.6	1.4	<1.0	1.4
	11/24/2020	DUP-112420	250	**30**	1.3	4.2	1.5	<1.0	1.5
	2/26/2021	MW-14-022621	**4,600**	**57**	14	190	580	<10	580
	2/26/2021	DUP-022621	**4,800**	**59**	15	200	610	<10	610
	6/15/2021	MW-14-061521	220	3.6	<1.0	6.5	3.5	<1.0	3.5
	9/30/2021	MW-14-093021	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2021	DUP-093021	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2021	MW-14-121621	**1,400**	**44**	8.1	110	180	<4.0	180
	3/14/2022	MW-14-031422	**2,700**	**56**	17	78	270	<1.0	270
	5/23/2022	MW-14-052322	**2,100**	**86**	16	120	140	4.2	144
	5/23/2022	DUP-052322	**2,200**	**89**	16	120	160.0	4.1	164
	8/29/2022	MW-14-082922	**1,100**	**33**	4.8	20	38	2.1	40
	12/15/2022	MW-14-121522	<100	**5.6**	<1.0	<1.0	<1.0	<1.0	<1.0
	3/22/2023	MW-14-032223	**4,000**	**62**	18	120	350	6.1	356
	3/22/2023	DUP-032223	**4,100**	**63**	18	120	340	5.8	346
	6/21/2023	MW-14-062123	280	2	<1.0	7.7	7	<1.0	7
	6/21/2023	DUP-062123	320	2.2	<1.0	8.5	8	<1.0	8
	9/19/2023	MW-14-091923	140	**6.2**	<1.0	1.4	<1.0	<1.0	<1.0
	9/19/2023	MW-DUP-091923	120	4.8	<1.0	1.1	<1.0	<1.0	<1.0
	12/20/2023	MW-14-122023	580	**17**	4	23	21.0	<1.0	21
	12/20/2023	MW-DUP-122023	540	**17**	3.6	20	17.0	<1.0	17
	3/6/2024	MW-14-030624	**2,700**	**58**	14	96	220.0	3.1	223.1
	3/6/2024	MW-DUP-030623	**2,600**	**58**	14	100	230.0	2.5	232.5
	6/12/2024	MW-14-06122024	230	**12 J**	1.3	9.5 J	8.5 J	<1.0	8.5
	6/12/2024	MW-DUP-06122024	160	**8.4 J**	<1.0	6.3 J	5.9 J	<1.0	160.0
	9/5/2024	MW-14-09052024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/5/2024	MW-DUP-09052024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/23/2024	MW-14-122324	**7,700**	**1100**	140	560	900	99	999
	12/23/2024	MW-DUP-122324	**7,700**	**1100**	140	580	920.0	98	1,018
	3/18/2025	MW-14-031825	**3,200**	**430**	12	260	320.0	3.9	324
	3/18/2025	MW-DUP-031825	**3,500**	**440**	14	260	330.0	4.7	335
	6/27/2025	MW-14-062725	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/27/2025	MW-DUP-062725	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 2: GROUNDWATER ANALYTICAL RESULTS SINCE 2012 [1, 2]

City of Des Moines Public Works Facility, Des Moines, Washington

Results reported in micrograms per liter (µg/L)

Monitoring Well ID	Sampling Date	Sample ID	TPH-G[3]	Benzene[4]	Toluene[4]	Ethylbenzene[4]	m,p-Xylene[4]	o-Xylene[4]	Total Xylenes[4]
MTCA Method A Cleanup Levels			*1,000/800* [5]	*5*	*1,000*	*700*	*NA*	*NA*	*1,000*
MW-15[10]	8/23/2012	MW15-082312	**1,200**	**1,500**	12	52	42	8	50
	11/27/2012	MW15-11272012	**7,100**	**1,100**	600	500	600	140	740
	2/13/2013	MW15-021313	**14,000**	**87.0**	330	320	1,700	440	**2,140**
	5/14/2013	MW15-51413	**7,000**	**100**	41	390	1,400	140	**1,540**
	8/20/2013	MW15-082013	660	2.5	1.4	41	53	7.8	60.8
	11/14/2013	MW15-111413	<100	3.3	<1.0	<1.0	<1.0	<1.0	<1.0
	11/14/2013	Dup-1-111413	<100	3.2	<1.0	<1.0	<1.0	<1.0	<1.0
	2/20/2014	MW15-022014	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/20/2014	Dup-1-022014	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2014	MW15-051314	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/12/2014	MW15-081214	**910**	4.5	10	61	84	<4.0	84
	11/24/2014	MW15-112414	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2015	MW15-021815	<100	<1.0	<1.0	<1.0	2	6.6	9
	2/18/2015	DUP-021815	<100	<1.0	<1.0	<1.0	3	7.9	10.4
	5/13/2015	MW15-051315	<400	<4.0	<4.0	<4.0	8	22	29.7
	8/19/2015	MW15-081915	**1,300**	<4.0	230	34	54	55	109
	11/19/2015	MW15-111915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2015	DUP-111915	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2016	MW-15-051916	<100	<1.0	2	<1.0	3	8.9	12
	8/24/2016	MW-15-082416	330	1.8	45	5.4	8.5	8.8	17.3
	11/17/2016	MW-15-111716	<100	<0.20	<1.0	<0.20	<0.40	1.3	1.3
	11/17/2016	MW-16-111716	<100	<0.20	<1.0	<0.20	<0.40	0.81	0.81
	5/23/2017	MW-15-052317	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2017	MW15082917	<400	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	11/30/2017	MW-15-113017	<100 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J	<1.0 J
	2/26/2018	MW-15-02262018	<100 J	<1.0	<1.0	6.0	12	<1.0	12
	5/31/2018	MW-15-053118	<100 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2018	MW-15-082918	<100	1.8	2.9	1.5	4.0	2.8	6.8
	12/19/2018	MW-15-121918	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/25/2019	MW-15-022519	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/26/2019	MW-15-062619	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/28/2019	MW-15-082819	<400	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
	12/17/2019	MW-15-121719	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2020	MW-15-032320	<100	<1.0	<1.0	<1.0	2.2	<1.0	2.2
	6/2/2020	MW-15-060220	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/25/2020	MW-15-082520	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/24/2020	MW-15-112420	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/26/2021	MW-15-022621	<100	<1.0	<1.0	2.0	6.4	<1.0	6.4
	6/15/2021	MW-15-061521	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/30/2021	MW-15-093021	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2021	MW-15-121621	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/14/2022	MW-15-031422	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/23/2022	MW-15-052322	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/29/2022	MW-15-082922	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2022	MW-15-121522	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/22/2023	MW-15-032223	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/21/2023	MW-15-062123	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/19/2023	MW-15-091923	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2023	MW-15-122023	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/6/2024	MW-15-030624	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/12/2024	MW-15-06122024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/5/2024	MW-15-09052024	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/23/2024	MW-15-122324	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2025	MW-15-031825	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2025	MW-15-062725	<100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes

1. Data qualifiers are as follows:
   J = The value is an estimate, but considered usable for monitoring purposes.
2. **Bold** signifies detections exceeding the applicable cleanup level.
3. TPH-G analyzed by Ecology Method NWTPH-Gx.
4. Benzene, toluene, ethylbenzene, and xylenes analyzed by U.S. Environmental Protection Agency Method 8021.
5. Cleanup level dependent on presence of benzene. Lower value applies if detectable level of benzene was present in the sample.
6. This monitoring well is no longer sampled because samples collected from it never contained constituents of concern above laboratory reporting limits.
7. Recovery well.
8. Sample collected from recovery and treatment system influent manifold.
9. This monitoring well is no longer sampled because samples collected from it were below laboratory reporting limits for all site constituents of concern for four consecutive quarters.
10. Diffuser wells. Diffuser system non-operational after 2021.

Abbreviations

< = analyte was not detected at or above the laboratory practical quantitation limit presented
DUP = duplicate
Ecology = Washington State Department of Ecology
MTCA = Model Toxics Control Act
NA = not applicable
TPH-G = total petroleum hydrocarbons as gasoline

APPENDIX A

HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-1	1/25/1994	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.0
	4/26/1994	NT	NT	NT	NT	NT	NT	NT	NT
	1/17/1995	NT	NT	NT	NT	NT	NT	NT	NT
	4/25/1995	NT	NT	NT	NT	NT	NT	NT	NT
	7/25/1995	NT	NT	NT	NT	NT	NT	NT	NT
	10/30/1995	NT	NT	NT	NT	NT	NT	NT	NT
	11/26/1996	NT	NT	NT	NT	NT	NT	NT	NT
	2/26/1997	NT	NT	NT	NT	NT	NT	NT	NT
	6/6/1997	NT	NT	NT	NT	NT	NT	NT	NT
	8/25/1997	NT	NT	NT	NT	NT	NT	NT	NT
	11/24/1997	NT	NT	NT	NT	NT	NT	NT	NT
	2/25/1998	NT	NT	NT	NT	NT	NT	NT	NT
	9/11/1998	NT	NT	NT	NT	NT	NT	NT	NT
	2/2/1999	NT	NT	NT	NT	NT	NT	NT	NT
	8/31/1999	NT	NT	NT	NT	NT	NT	NT	NT
	2/10/2000	NT	NT	NT	NT	NT	NT	NT	NT
	8/30/2000	NT	NT	NT	NT	NT	NT	NT	NT
	3/1/2001	NT	NT	NT	NT	NT	NT	NT	NT
	8/29/2001	NT	NT	NT	NT	NT	NT	NT	NT
	2/28/2002	NT	NT	NT	NT	NT	NT	NT	NT
	8/29/2002	NT	NT	NT	NT	NT	NT	NT	NT
	2/27/2003	NT	NT	NT	NT	NT	NT	NT	NT
	9/26/2003	NT	NT	NT	NT	NT	NT	NT	NT
	8/27/2004	NT	NT	NT	NT	NT	NT	NT	NT
	3/11/2005	NT	NT	NT	NT	NT	NT	NT	NT
	8/31/2005	NT	NT	NT	NT	NT	NT	NT	NT
	2/16/2006	NT	NT	NT	NT	NT	NT	NT	NT
	8/25/2006	NT	NT	NT	NT	NT	NT	NT	NT
	2/22/2007	NT	NT	NT	NT	NT	NT	NT	NT
	8/30/2007	NT	NT	NT	NT	NT	NT	NT	NT
	2/14/2008	NT	NT	NT	NT	NT	NT	NT	NT

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-2	01/25/94	NT	NT	NT	<50	1.3	<0.50	<0.50	<1.0
	04/26/94	NT	NT	NT	NT	NT	NT	NT	NT
	01/17/95	NT	NT	NT	NT	NT	NT	NT	NT
	04/25/95	NT	NT	NT	NT	NT	NT	NT	NT
	07/25/95	NT	NT	NT	NT	NT	NT	NT	NT
	10/30/95	NT	NT	NT	NT	NT	NT	NT	NT
	08/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	11/26/96	NT	NT	NT	NT	NT	NT	NT	NT
	02/26/97	NT	NT	NT	NT	NT	NT	NT	NT
	06/06/97	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/97	NT	NT	NT	ND	ND	ND	ND	ND
	11/24/97	NT	NT	NT	NT	NT	NT	NT	NT
	02/25/98	NT	NT	NT	NT	NT	NT	NT	NT
	09/11/98	NT	NT	NT	NT	NT	NT	NT	NT
	02/02/99	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/99	NT	NT	NT	NT	NT	NT	NT	NT
	02/10/00	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/00	NT	NT	NT	NT	NT	NT	NT	NT
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	NT	NT	NT	NT	NT
	02/28/02	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/02	NT	NT	NT	NT	NT	NT	NT	NT
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	NT	NT	NT	NT	NT
	08/27/04	NT	NT	NT	NT	NT	NT	NT	NT
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	NT	NT	NT	NT	NT
	02/16/06	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	NT	NT	NT	NT	NT
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-3	01/25/94	**1,300**	NT	NT	**110,000**	**13,000**	**26,000**	**2,200**	**11,000**
	04/26/94	NT	500*	210	**126,000**	**10,200**	**26,000**	**1,900**	**11,300**
	07/28/94	NT	500*	<500	**81,000**	**7,100**	**16,000**	**2,000**	**9,600**
	10/25/94	NT	NT	NT	**67,900**	**10,400**	**18,000**	**1,400**	**6,710**
	01/17/95	NT	NT	NT	**52,600**	**4,200**	**15,000**	**850**	**4,590**
	04/25/95	NT	NT	NT	**47,000**	**2,700**	**7,900**	**520**	**3,000**
	07/25/95	NT	NT	NT	**69,000**	**9,200**	**13,000**	**45**	**6,000**
	10/30/95	NT	NT	NT	**31,000**	**6,100**	**8,000**	**820**	**3,700**
	02/27/96	NT	NT	NT	**39,000**	**4,200**	**8,500**	**790**	**4,100**
	05/29/96	NT	NT	NT	**43,000**	**1,000**	**11,000**	**910**	**5,000**
	08/27/96	NT	NT	NT	**42,000**	**6,100**	**6,200**	**900**	**3,700**
	11/26/96	NT	NT	NT	**26,000**	**2,600**	**4,800**	**310**	**3,600**
	02/26/97	NT	NT	NT	**28,000**	**2,800**	**5,500**	**570**	**3,960**
	06/06/97	NT	NT	NT	**22,000**	**420**	**4,100**	**520**	**3,700**
	08/25/97	NT	NT	NT	**9,400**	**1,000**	**1,400**	**190**	**1,600**
	11/24/97	NT	NT	NT	**11,000**	**990**	**1,300**	**250**	**2,200**
	02/25/98	NT	NT	NT	**20,000**	**94.0**	**2,500**	**660**	**2,100**
	09/11/98	NT	NT	NT	**19,000**	**3,100**	**2,200**	**620**	**2,400**
	02/02/99	NT	NT	NT	**29,000**	**1,500**	**5,300**	**950**	**3,900**
	08/31/99	NT	NT	NT	**32,000**	**3,100**	**4,200**	**1,300**	**4,900**
	02/10/00	NT	NT	NT	61.1	<0.50	1.63	0.63	4.32
	08/30/00	NT	NT	NT	**22,000**	**3,600**	**1,500**	**1,100**	**3,500**
	03/01/01	NT	NT	NT	**14,300**	**338**	**1,400**	**260**	**1,730**
	08/29/01	NT	NT	NT	**33,000**	**1,300**	**2,500**	**1,100**	**4,500**
	02/28/02	NT	NT	NT	**2,000**	**88.0**	**140**	**50**	**450**
	08/29/02	NT	NT	NT	**40,000**	**1,100**	**2,300**	**1,500**	**5,900**
	02/27/03	NT	NT	NT	**23,000**	**510**	**1,500**	**580**	**3,450**
	09/26/03	NT	NT	NT	830	<1.0	18	18	**124**
	08/27/04	NT	NT	NT	**3,400**	**47.0**	38	150	460
	03/11/05	NT	NT	NT	**9,300**	**14.0**	200	270	**1,810**
	08/31/05	NT	NT	NT	**2,000**	**130**	46	100	208
	02/16/06	NT	NT	NT	**5,600**	**26.0**	300	210	**1,080**
	08/25/06	NT	NT	NT	**12,000**	**210**	160	410	**2,290**
	02/22/07	NT	NT	NT	**8,000**	**180**	170	300	**1,900**
	08/30/07	NT	NT	NT	**24,000**	**470**	<100	610	**1,900**
	02/14/08	NT	NT	NT	**1,200**	**34.0**	4.6	75	197
	02/17/10	NT	NT	NT	**4,800**	1.7	32	140	800
	02/17/10	NT	NT	NT	**4,700**	1.6	31	120	670
	05/13/10	NT	NT	NT	**79,000**	**330**	**12,000**	**2,100**	**10,200**
	08/31/10	NT	NT	NT	**8,100**	**390**	640	220	960
	11/16/10	NT	NT	NT	**4,900**	3.0	14	140	720
	11/16/10	NT	NT	NT	**4,800**	3.3	13	140	750
	05/27/11	NT	NT	NT	**29,000**	**120**	**5,200**	**1,100**	**5,400**
	08/16/11	NT	NT	NT	**3,300**	**370**	19	87	423
	08/16/11	NT	NT	NT	**4,000**	**400**	20	99	503
	11/11/11	NT	NT	NT	**3,500**	**500**	13	50	359.7
	11/11/11	NT	NT	NT	**3,500**	**500**	10	51	418.6
	02/16/12	NT	NT	NT	**3,400**	<4.0	7.4	140	560
	05/17/12	NT	NT	NT	**11,000**	**7.5**	14	300	**1,260**
	05/17/12	NT	NT	NT	**11,000**	**6.0**	13	290	**1,380**

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-4	01/25/94	NT	NT	NT	<50	<0.50	1.0	<0.50	<1.0
	04/26/94	NT	<100	<200	<2.5	<0.05	<0.050	<0.050	<0.05
	07/28/94	NT	<500	<500	<50	<0.50	<0.50	<0.50	<0.50
	10/25/94	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	01/17/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	04/24/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	07/25/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	10/30/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	02/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	05/29/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	07/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	11/26/96	NT	NT	NT	NT	NT	NT	NT	NT
	02/26/97	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	06/06/97	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/97	NT	NT	NT	ND	ND	ND	ND	ND
	11/24/97	NT	NT	NT	NT	NT	NT	NT	NT
	02/25/98	NT	NT	NT	NT	NT	NT	NT	NT
	09/11/98	NT	NT	NT	NT	NT	NT	NT	NT
	02/02/99	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/99	NT	NT	NT	NT	NT	NT	NT	NT
	02/10/00	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/00	NT	NT	NT	NT	NT	NT	NT	NT
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	NT	NT	NT	NT	NT
	02/28/02	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/02	NT	NT	NT	NT	NT	NT	NT	NT
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	NT	NT	NT	NT	NT
	08/27/04	NT	NT	NT	NT	NT	NT	NT	NT
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	NT	NT	NT	NT	NT
	02/16/06	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	NT	NT	NT	NT	NT
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT
	03/07/12	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/17/12	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-5	01/25/94	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.0
	04/26/94	NT	<100	<200	<2.5	<0.05	<0.050	<0.050	<0.05
	07/28/94	NT	<500	<500	<50	<0.50	<0.50	<0.50	<0.50
	10/25/94	NT	NT	NT	58.0	<0.50	2.5	0.80	4.5
	01/17/95	NT	NT	NT	<50	<0.50	2.5	<0.50	2.4
	04/24/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	07/25/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	10/30/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	02/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	08/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	11/26/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	02/26/97	NT	NT	NT	NT	NT	NT	NT	NT
	06/06/97	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	08/25/97	NT	NT	NT	ND	ND	ND	ND	ND
	11/24/97	NT	NT	NT	ND	ND	ND	ND	ND
	02/25/98	NT	NT	NT	NT	NT	NT	NT	NT
	09/11/98	NT	NT	NT	NT	NT	NT	NT	NT
	02/02/99	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/99	NT	NT	NT	NT	NT	NT	NT	NT
	02/10/00	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/00	NT	NT	NT	NT	NT	NT	NT	NT
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	NT	NT	NT	NT	NT
	02/28/02	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/02	NT	NT	NT	NT	NT	NT	NT	NT
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	NT	NT	NT	NT	NT
	08/27/04	NT	NT	NT	NT	NT	NT	NT	NT
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	NT	NT	NT	NT	NT
	02/16/06	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	NT	NT	NT	NT	NT
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT
	03/07/12	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/17/12	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-6	01/25/94	NT	NT	NT	<50	<0.50	0.51	<0.50	<1.0
	04/26/94	NT	<100	<200	<2.5	<0.05	<0.050	<0.050	<0.05
	07/28/94	NT	<500	<500	<50	<0.50	<0.50	<0.50	<0.50
	10/25/94	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	01/17/95	NT	NT	NT	<50	<0.50	0.60	<0.50	<0.50
	04/24/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	07/25/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	10/30/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	02/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	08/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	11/26/96	NT	NT	NT	NT	NT	NT	NT	NT
	02/26/97	NT	NT	NT	NT	NT	NT	NT	NT
	06/06/97	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/97	NT	NT	NT	ND	ND	ND	ND	ND
	11/24/97	NT	NT	NT	NT	NT	NT	NT	NT
	02/25/98	NT	NT	NT	NT	NT	NT	NT	NT
	09/11/98	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.50
	02/02/99	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/99	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.50
	02/10/00	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/00	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.50
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	NT	NT	NT	NT	NT
	02/28/02	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/02	NT	NT	NT	NT	NT	NT	NT	NT
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	NT	NT	NT	NT	NT
	08/27/04	NT	NT	NT	NT	NT	NT	NT	NT
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	NT	NT	NT	NT	NT
	02/16/06	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	NT	NT	NT	NT	NT
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT
	02/17/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/13/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/31/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	11/16/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/27/11	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/16/11	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	11/11/11	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	02/16/12	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/17/12	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-7	01/17/95	NT	NT	NT	**95,400**	**11,500**	**28,000**	**1,800**	**9,250**
	04/24/95	NT	NT	NT	**170,000**	**10,000**	**28,000**	**2,100**	**12,000**
	07/25/95	NT	NT	NT	**120,000**	**3,900**	**19,000**	**1,900**	**10,000**
	10/30/95	NT	NT	NT	**96,000**	**6,300**	**21,000**	**2,200**	**13,000**
	02/27/96	NT	NT	NT	**98,000**	**6,400**	**17,000**	**2,300**	**11,000**
	05/29/96	NT	NT	NT	**82,000**	**3,600**	**14,000**	**2,500**	**12,000**
	08/27/96	NT	NT	NT	**120,000**	**2,300**	**17,000**	**2,200**	**11,000**
	11/26/96	NT	NT	NT	**14,000**	**400**	**1,600**	500	**2,200**
	02/26/97	NT	NT	NT	**45,000**	**1,000**	**4,200**	**1,500**	**6,600**
	06/06/97	NT	NT	NT	**50,000**	**1,800**	**6,700**	**2,200**	**8,900**
	08/25/97	NT	NT	NT	**53,000**	**2,100**	**6,400**	**2,600**	**11,000**
	11/24/97	NT	NT	NT	**4,900**	**220**	780	280	810
	02/25/98	NT	NT	NT	**25,000**	**480**	**3,100**	**680**	**3,000**
	09/11/98	NT	NT	NT	**54,000**	**2,700**	**7,800**	**1,400**	**5,900**
	02/02/99	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.50
	08/31/99	NT	NT	NT	**2,020**	**42.7**	120	150	244
	02/10/00	NT	NT	NT	**2,100**	**44.3**	430	120	470
	08/30/00	NT	NT	NT	**4,400**	**440**	590	240	570
	03/01/01	NT	NT	NT	**2,900**	**6.12**	320	09.9	388
	08/29/01	NT	NT	NT	380	<1.0	13	11	37.4
	02/28/02	NT	NT	NT	120	<1.0	3.8	3.4	10
	08/29/02	NT	NT	NT	<100	<1.0	<1.0	<1.0	1.6
	02/27/03	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	09/26/03	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/27/04	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	03/11/05	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/31/05	NT	NT	NT	<400	<4.0	<4.0	<4.0	<4.0
	02/16/06	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/25/06	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	02/22/07	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	/22/2007 (Duplica	NT	NT	NT	<100	<1.0	<1.0	<1.0	2.3
	08/30/07	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	/30/2007 (Duplica	NT	NT	NT	<100	<1.0	<1.0	<1.0	1.0
	02/14/08	NT	NT	NT	<100	<1.0	<1.0	<1.0	1.0
	/14/08 (Duplicate	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	02/17/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/13/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/31/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	11/15/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-8	01/17/95	NT	NT	NT	203	0.70	<0.50	1.2	6.9
	04/24/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	07/25/95	NT	NT	NT	770	0.86	<0.50	7.0	16
	10/30/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	02/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	08/27/96	NT	NT	NT	65.4	<0.50	2.21	<0.50	5.54
	11/26/96	NT	NT	NT	NT	NT	NT	NT	NT
	02/26/97	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	06/06/97	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/97	NT	NT	NT	ND	ND	ND	ND	ND
	11/24/97	NT	NT	NT	NT	NT	NT	NT	NT
	02/25/98	NT	NT	NT	NT	NT	NT	NT	NT
	09/11/98	NT	NT	NT	NT	NT	NT	NT	NT
	02/02/99	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.50
	08/31/99	NT	NT	NT	NT	NT	NT	NT	NT
	02/10/00	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/00	NT	NT	NT	NT	NT	NT	NT	NT
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	NT	NT	NT	NT	NT
	02/28/02	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/02	NT	NT	NT	NT	NT	NT	NT	NT
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	NT	NT	NT	NT	NT
	08/27/04	NT	NT	NT	NT	NT	NT	NT	NT
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	NT	NT	NT	NT	NT
	02/16/06	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	NT	NT	NT	NT	NT
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT
	02/17/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/13/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/31/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	11/15/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-9	01/17/95	NT	NT	NT	**1,560**	**400**	85	75	200
	04/24/95	NT	NT	NT	**11,000**	**1,400**	**1,600**	240	890
	07/25/95	NT	NT	NT	**33,000**	**8,500**	**2,900**	**870**	**4,300**
	10/30/95	NT	NT	NT	**2,500**	**1,500**	110	170	570
	02/27/96	NT	NT	NT	**1,260**	**510**	11	97.5	227
	08/27/96	NT	NT	NT	**15,000**	**5,000**	320	**860**	**2,100**
	11/26/96	NT	NT	NT	NT	NT	NT	NT	NT
	02/26/97	NT	NT	NT	**2,050**	**810**	42	180	405
	06/06/97	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/97	NT	NT	NT	**7,400**	**1,700**	**1,600**	310	**1,200**
	11/24/97	NT	NT	NT	NT	NT	NT	NT	NT
	02/25/98	NT	NT	NT	578	65.1	19.8	42	69.4
	09/11/98	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.50
	02/02/99	NT	NT	NT	<50	<0.50	<0.50	<0.50	<1.50
	08/31/99	NT	NT	NT	**21,000**	**3,800**	200	**940**	**3,400**
	02/10/00	NT	NT	NT	**1,300**	**240**	38	66	130
	08/30/00	NT	NT	NT	**5,500**	**1,200**	310	230	840
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	**1,200**	**140**	11	65	164
	02/28/02	NT	NT	NT	**980**	**220**	3.2	65	131.9
	08/29/02	NT	NT	NT	380	**100**	1.2	16	39.6
	02/27/03	NT	NT	NT	**2,300**	**130**	7.5	130	294.2
	09/26/03	NT	NT	NT	**1,600**	**270**	8.1	94	105.8
	08/27/04	NT	NT	NT	520	**8.1**	6.3	26	85
	03/11/05	NT	NT	NT	<100	<1.0	3.4	1.0	4.1
	08/31/05	NT	NT	NT	**12,000**	**210**	48	**910**	**1,820**
	02/16/06	NT	NT	NT	<100	4.1	<1.0	4.4	<1.0
	08/25/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	NT	NT	NT	NT	NT
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT
	02/17/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/13/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/31/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	11/16/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-10	01/17/95	NT	NT	NT	**1,800**	4.2	3.0	1.0	4.4
	04/24/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	07/25/95	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	10/30/95	NT	NT	NT	<50	**6.0**	<0.50	<0.50	2.6
	02/27/96	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	08/27/96	NT	NT	NT	104	<0.50	13.1	<0.50	13.9
	11/26/96	NT	NT	NT	NT	NT	NT	NT	NT
	02/26/97	NT	NT	NT	<50	<0.50	<0.50	<0.50	<0.50
	06/06/97	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/97	NT	NT	NT	ND	ND	ND	ND	ND
	11/24/97	NT	NT	NT	NT	NT	NT	NT	NT
	02/25/98	NT	NT	NT	NT	NT	NT	NT	NT
	09/11/98	NT	NT	NT	NT	NT	NT	NT	NT
	02/02/99	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/99	NT	NT	NT	NT	NT	NT	NT	NT
	02/10/00	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/00	NT	NT	NT	NT	NT	NT	NT	NT
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	NT	NT	NT	NT	NT
	02/28/02	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/02	NT	NT	NT	NT	NT	NT	NT	NT
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	NT	NT	NT	NT	NT
	08/27/04	NT	NT	NT	NT	NT	NT	NT	NT
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/25/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/16/06	NT	NT	NT	NT	NT	NT	NT	NT
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	NT	NT	NT	NT	NT
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT
	02/17/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/13/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/31/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	11/16/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-11	01/17/95	NT	NT	NT	**1,320**	<0.50	25	22	270
	04/24/95	NT	NT	NT	**2,000**	<0.50	1.3	21	180
	07/25/95	NT	NT	NT	**18,000**	<0.50	95	220	**2,400**
	10/30/95	NT	NT	NT	**89,000**	**52**	440	**4,000**	**17,000**
	02/27/96	NT	NT	NT	**2,510**	1.59	1.26	51.3	220
	05/29/96	NT	NT	NT	**2,390**	<0.50	0.64	23	126
	08/27/96	NT	NT	NT	**13,000**	5.0	8.5	220	**1,000**
	11/26/96	NT	NT	NT	**2,240**	3.11	2.33	40.6	207
	02/26/97	NT	NT	NT	**2,800**	<0.50	0.62	49.6	227.3
	06/06/97	NT	NT	NT	523	**7.89**	<0.50	7.91	32.5
	08/25/97	NT	NT	NT	**5,000**	ND	2.11	23.4	320
	11/24/97	NT	NT	NT	157	ND	ND	1.64	9.23
	02/25/98	NT	NT	NT	NT	NT	NT	NT	NT
	09/11/98	NT	NT	NT	**2,700**	<2.5	<2.5	44	150
	02/02/99	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/99	NT	NT	NT	**1,520**	<0.50	0.50	12.7	62.8
	02/10/00	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/00	NT	NT	NT	642	0.58	2.76	1.35	17.3
	03/01/01	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/01	NT	NT	NT	**1,100**	2.9	<1.0	11	40.2
	02/28/02	NT	NT	NT	NT	NT	NT	NT	NT
	08/29/02	NT	NT	NT	260	1.2	<1.0	2.2	10.6
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	610	2.1	<1.0	9.2	29.3
	08/27/04	NT	NT	NT	<100	<1.0	<1.0	<1.0	1.7
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	270	1.2	<1.0	2.5	5.9
	02/16/06	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/25/06	NT	NT	NT	150	<1.0	<1.0	1.2	3.0
	02/22/07	NT	NT	NT	NT	NT	NT	NT	NT
	08/30/07	NT	NT	NT	140	1.3	<1.0	1.8	3.8
	02/14/08	NT	NT	NT	NT	NT	NT	NT	NT

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-12	01/17/95	NT	NT	NT	**159,000**	**4,980**	**25,000**	**4,000**	**21,900**
	04/24/95	NT	NT	NT	**110,000**	**2,900**	**13,000**	**1,800**	**9,500**
	07/25/95	NT	NT	NT	**170,000**	**5,100**	**29,000**	**2,700**	**6,000**
	10/30/95	NT	NT	NT	**130,000**	**6,200**	**31,000**	**2,700**	**19,000**
	02/27/96	NT	NT	NT	**3,900**	**1,400**	**5,000**	**890**	**4,400**
	05/29/96	NT	NT	NT	**36,000**	**310**	**3,400**	**980**	**5,300**
	08/27/96	NT	NT	NT	**190,000**	**4,800**	**34,000**	**2,900**	**15,000**
	11/26/96	NT	NT	NT	**40,000**	**220**	**3,500**	**920**	**6,500**
	02/26/97	NT	NT	NT	**46,000**	**610**	**3,500**	**720**	**4,200**
	06/06/97	NT	NT	NT	**44,000**	**710**	**6,000**	**1,200**	**6,700**
	08/25/97	NT	NT	NT	**76,000**	**1,900**	**16,000**	**2,300**	**12,000**
	11/24/97	NT	NT	NT	**150,000**	**1,800**	**11,000**	**5,000**	**23,000**
	02/25/98	NT	NT	NT	**170,000**	**580**	**15,000**	**3,900**	**25,000**
	09/11/98	NT	NT	NT	**83,000**	**2,700**	**11,000**	**1,200**	**8,800**
	02/02/99	NT	NT	NT	**40,000**	**97**	**4,300**	**1,100**	**6,800**
	08/31/99	NT	NT	NT	**120,000**	**970**	**21,000**	**3,700**	**21,000**
	02/10/00	NT	NT	NT	**100,000**	**320**	**13,000**	**2,400**	**17,000**
	08/30/00	NT	NT	NT	**130,000**	**350**	**7,700**	**4,600**	**27,000**
	03/01/01	NT	NT	NT	**101,000**	**1,070**	**18,000**	**1,700**	**11,200**
	08/29/01	NT	NT	NT	**47,000**	**350**	**3,600**	**710**	**4,300**
	02/28/02	NT	NT	NT	**50,000**	**570**	**7,200**	**900**	**5,100**
	08/29/02	NT	NT	NT	**33,000**	**96**	**1,500**	510	**2,900**
	02/27/03	NT	NT	NT	**13,000**	**26**	240	130	710
	09/01/03	NT	NT	NT	**17,000**	**70**	980	260	**1,420**
	08/27/04	NT	NT	NT	**5,200**	**54**	**1,700**	**970**	**5,200**
	03/11/05	NT	NT	NT	**5,400**	**19**	**1,100**	**1,100**	**5,400**
	08/31/05	NT	NT	NT	**15,000**	**67**	**1,200**	320	**1,470**
	02/16/06	NT	NT	NT	**13,000**	**34**	760	260	**1,410**
	08/25/06	NT	NT	NT	**27,000**	**200**	**3,400**	540	**2,870**
	02/22/07	NT	NT	NT	**47,000**	**230**	**4,500**	**800**	**4,700**
	08/30/07	NT	NT	NT	**24,000**	**170**	**2,700**	470	**1,800**
	02/14/08	NT	NT	NT	210	<1.0	<1.0	1.3	7.7
	02/17/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/13/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/31/10	NT	NT	NT	1,000	<4.0	6.1	18	66.0
	11/16/10	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	05/27/11	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	08/16/11	NT	NT	NT	<100	<1.0	<1.0	<1.0	4.3
	11/11/11	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0
	02/16/12	NT	NT	NT	<100	<1.0	8.4	1.5	8.5
	05/17/12	NT	NT	NT	<100	<1.0	<1.0	<1.0	<1.0

Table A-1: HISTORICAL ANALYTICAL RESULTS FOR GROUNDWATER THROUGH MAY 2012[1]

City of Des Moines, Des Moines, Washington

All concentrations in micrograms per liter (µg/L)

Monitoring Well	Date Sampled	TPH-D by NWTPH-D[2]	TPH-D by NWTPH-Dx[3] (diesel)	TPH-O by NWTPH-Dx[4] (heavy oil)	TPH-G by NWTPH-Gx[5]	Benzene[6]	Toluene[6]	Ethylbenzene[6]	Total Xylenes[6]
MTCA Method A Cleanup Levels		500	500	500	1,000/800	5	1000	700	1000
MW-13	09/11/98	NT	NT	NT	**140,000**	**8,900**	**23,000**	**2,400**	**13,000**
	02/02/99	NT	NT	NT	**6,300**	**6.4**	480	110	980
	08/31/99	NT	NT	NT	**140,000**	**14,000**	**36,000**	**2,400**	**14,000**
	02/10/00	NT	NT	NT	**20,000**	**29**	**3,500**	450	**2,800**
	08/30/00	NT	NT	NT	**116,000**	**1,700**	**1,700**	**920**	**2,320**
	03/01/01	NT	NT	NT	**48,400**	**1,240**	**11,000**	500	**6,170**
	08/29/01	NT	NT	NT	**110,000**	**2,200**	**15,000**	**2,300**	**11,600**
	02/28/02	NT	NT	NT	**1,900**	**7.1**	77	21	250
	08/29/02	NT	NT	NT	**110,000**	**2,100**	**20,000**	**2,500**	**12,600**
	02/27/03	NT	NT	NT	NT	NT	NT	NT	NT
	09/26/03	NT	NT	NT	**93,000**	**2,200**	**11,000**	**2,100**	**11,100**
	08/27/04	NT	NT	NT	**3,900**	**54**	42	180	510
	03/11/05	NT	NT	NT	NT	NT	NT	NT	NT
	08/31/05	NT	NT	NT	**3,800**	**29**	510	50	**3,960**
	02/16/06	NT	NT	NT	**76,000**	**780**	**12,000**	**2,100**	**10,600**
	08/25/06	NT	NT	NT	**5,300**	**41**	670	96	590
	02/22/07	NT	NT	NT	<100	<1.0	1.8	<1.0	3.3
	08/30/07	NT	NT	NT	**83,000**	**1,400**	**14,000**	**2,300**	**10,700**
	02/14/08	NT	NT	NT	**91,000**	**730**	**14,000**	**2,000**	**108,000**
	02/17/10	NT	NT	NT	**33,000**	**240**	**8,000**	**1,400**	**6,800**
	05/13/10	NT	NT	NT	**83,000**	**340**	**11,000**	**2,300**	**10,700**
	05/13/10	NT	NT	NT	**83,000**	**340**	**12,000**	**2,300**	**10,800**
	08/31/10	NT	NT	NT	**68,000**	**180**	**7,600**	**1,900**	**8,100**
	11/16/10	NT	NT	NT	**9,000**	**110**	1,000	270	**1,220**
	05/27/11	NT	NT	NT	**16,000**	**58**	**2,200**	490	**2,550**
	05/17/12	NT	NT	NT	**44,000**	**140**	**8,000**	**1,900**	**8,100**
MW-14	02/16/10	NT	NT	NT	**6,000**	**490**	480	150	850
	05/13/10	NT	NT	NT	**7,500**	**3,000**	90	490	840
	08/31/10	NT	NT	NT	**1,200**	**200**	18	94	103
	11/16/10	NT	NT	NT	**4,400**	**2,000**	45	340	325
	05/27/11	NT	NT	NT	**3,400**	**700**	82	250	550
	08/16/11	NT	NT	NT	**5,300**	**980**	31	320	613
	11/11/11	NT	NT	NT	**7,400**	**1,300**	39	470	**1,180**
	02/16/12	NT	NT	NT	<100	1.6	<1.0	2.1	6.7
	05/17/12	NT	NT	NT	**3,700**	**650**	39	370	343
MW-15	02/17/10	NT	NT	NT	**18,000**	**110**	**3,100**	500	**3,020**
	05/13/10	NT	NT	NT	**3,900**	**80**	23	310	353
	08/31/10	NT	NT	NT	**3,800**	**67**	17	270	299
	08/31/10	NT	NT	NT	**3,600**	**440**	160	98	449
	11/16/10	NT	NT	NT	170	**97**	2.4	21	18.2
	05/27/11	NT	NT	NT	**3,900**	**580**	150	120	750
	08/16/11	NT	NT	NT	**8,200**	**1,200**	93	290	920
	11/11/11	NT	NT	NT	**4,400**	**240**	24	140	350
	02/16/12	NT	NT	NT	**4,400**	**410**	**1,400**	**810**	**3,320**
	02/16/12	NT	NT	NT	**4,100**	**420**	**1,300**	**770**	**3,160**
	05/17/12	NT	NT	NT	<100	**22**	<1.0	1.3	5.0

Notes

1. **Bold** indicates concentration is above applicable MTCA cleanup level.
2. Total petroleum hydrocarbons, diesel range, by Ecology Method NWTPH-D.
3. Total petroleum hydrocarbons, diesel range (C12-C24), by Ecology Method NWTPH-D Extended.
4. Total petroleum hydrocarbons, heavy oil range (C24-C32), by Ecology Method NWTPH-D Extended.
5. Total petroleum hydrocarbons, gasoline range, by Ecology Method NWTPH-Gx. Cleanup level is 1,000 µg/L if no benzene is detected, and 800 µg/L if benzene is detected.
6. Benzene, toluene, ethylbenzene, and total xylenes, by EPA Method 8021B.

Abbreviations

* = Peaks were detected within the retention time window of diesel, but it appears to be gasoline extending into the diesel range.
< = Indicates analyte not detected at or above the indicated laboratory reporting limit.
Ecology = Washington State Department of Ecology
EPA = Environmental Protection Agency
MTCA = Model Toxics Control Act
ND = not detected
NT = not tested
TPH-D = total petroleum hydrocarbons as diesel
TPH-O = total petroleum hydrocarbons as heavy oil
TPH-G = total petroleum hydrocarbons as gasoline

APPENDIX B

GROUNDWATER SAMPLING LOGS

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-4

Project Name: City of Des Moines

Date: 09/5/2024

Project Number: US0033175.4784 **Weather Conditions:** Sunny, 75°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5, from N

WELL INFORMATION

Casing Diameter (in): 4 **Groundwater Elevation (ft):** 135.85

Top of Casing Elevation (ft): 146.93 **Depth of Well Casing (ft):**

Initial Depth to Water (ft): 11.08 **Actual Purge Volume (gal):** 2gal

Wellhead Condition: poor

PURGING MEASUREMENTS

±0.1 ±3% ±3% ±10mV ±10% ±10% or ≤5

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L) ✓	Turbidity (NTUs)	Notes
11.21	09:25	6.21	0.401	14.6	88.2	1.59	15.3	
11.31	09:29	6.17	0.391	14.7	84.0	1.02	15.6	turned pump ↓
11.40	09:33	6.16	0.385	15.1	75.4	0.78	9.4	
11.48	09:37	6.17	0.384	15.0	68.9	0.68	9.9	
11.57	09:41	6.18	0.384	15.1	66.0	0.64	10.8	
11.66	09:45	6.19	0.384	15.1	53.5	0.61	14.3	
11.72	09:49	6.18	0.384	15.1	56.7	0.58	15.7	
11.78	09:53	6.18	0.385	15.1	58.9	0.57	15.2	

Sample ID No.: MW-4-09052024

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 09:23 **Sample Collection Time:** 10:00

Purge Completion Time: 9:53 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 125 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations:

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-5

Project Name: City of Des Moines

Date: 09/5/2024

Project Number: US0033175.4784 **Weather Conditions:** Sunny, 75°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5, from N

WELL INFORMATION

Casing Diameter (in): 4
Top of Casing Elevation (ft): 143.88
Initial Depth to Water (ft): 9.12
Wellhead Condition:

Groundwater Elevation (ft): 134.76
Depth of Well Casing (ft): ~20
Actual Purge Volume (gal): 1.5gal

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L)	Turbidity (NTUs)	Notes
9.25	12:16	6.21	0.237	15.6	84.1	2.13	19.1	
9.31	12:20	6.13	0.231	16.3	71.0	1.24	15.5	
9.35	12:24	6.13	0.225	16.3	70.7	1.00	11.7	
9.40	12:28	6.13	0.223	16.2	72.9	0.85	12.0	
9.47	12:32	6.19	0.222	16.0	66.2	0.74	15.7	
9.54	12:36	6.13	0.220	16.1	71.1	0.67	16.8	
9.62	12:40	6.13	0.221	16.0	75.4	0.66	17.2	

Sample ID No.: MW-5-09052024

Water Level Ind. Model & No.: Solinst Oil/Water Interface
ORP/DO Meter Model & No.: YSI Pro DSS
Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell
Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 12:14
Purge Completion Time: 12:40
Average Purge Rate (mL/min): 125
Analytical Lab: Onsite Environmental

Sample Collection Time: 12:45
Purging Method: Low Flow
Sample Containers Used: 3x40 mL VOA
Chemical Analyses: TPH-Gx, BTEX

Other Field Observations:
replaced tubing, faint petroleum odor when sampling?

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-6

Project Name: City of Des Moines

Date: 09/5/2024

Project Number: US0033175.4784 **Weather Conditions:** 80°F, sunny

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** 15mph, from N

WELL INFORMATION

Casing Diameter (in): 4 **Groundwater Elevation (ft):** 134.64

Top of Casing Elevation (ft): 140.32 **Depth of Well Casing (ft):**

Initial Depth to Water (ft): 5.68 **Actual Purge Volume (gal):** 1gal

Wellhead Condition: fair/poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
5.76	13:00	6.16	0.306	14.3	104.7	3.07	10.9	
5.83	13:04	6.07	0.291	13.8	93.6	1.14	9.2	
5.91	13:08	6.05	0.283	13.8	88.8	0.85	7.4	
5.98	13:11	6.07	0.281	13.8	87.5	0.84	6.7	
6.03	13:14	6.08	0.281	13.8	87.2	0.88	6.8	

Sample ID No.: MW-6-09052024 ****EXTRA VOLUME FOR MS/MSD****

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 12:58 **Sample Collection Time:** 13:15

Purge Completion Time: 13:15 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 120 **Sample Containers Used:** 6x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations:

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-3

Project Name: City of Des Moines

Date: 09/5/2024

Project Number: US0033175.4784 **Weather Conditions:** Sunny 85°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** 135.77

Top of Casing Elevation (ft): 143.90 **Depth of Well Casing (ft):** _____

Initial Depth to Water (ft): 8.13 **Actual Purge Volume (gal):** 0.75gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L)	Turbidity (NTUs) ✓	Notes
8.19	13:50	6.24	0.388	18.5	3.2	1.57	6.8	
8.23	13:53	6.20	0.370	19.4	-7.7	1.01	4.7	
8.27	13:56	6.21	0.366	19.9	-12.9	0.82	4.7	
8.30	13:59	6.21	0.366	19.5	-15.9	0.77	4.9	
8.34	14:02	6.22	0.366	19.4	-19.2	0.68	4.6	
8.36	14:06	6.22	0.366	19.3	-20.7	0.64	4.6	
8.38	14:09	6.23	0.364	19.4	-21.2	0.62	4.4	

Sample ID No.: MW-3-09052024

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 13:47 **Sample Collection Time:** 14:10

Purge Completion Time: 14:10 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 110 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: _____

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-13

Project Name: City of Des Moines

Date: 09/6/2024

Project Number: US0033175.4784 **Weather Conditions:** Sunny, 70°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph, from N

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** 136.49

Top of Casing Elevation (ft): 144.80 **Depth of Well Casing (ft):** ~18

Initial Depth to Water (ft): 8.31 **Actual Purge Volume (gal):** 1.5 gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L) ✓	Turbidity (NTUs)	Notes
8.60	9:43	5.23	2.136	15.2	83.1	1.57	116.1	
8.65	9:46	5.21	2.132	15.4	90.5	1.00	89.9	
8.70	9:49	5.27	2.125	15.5	87.2	0.85	62.8	
8.75	9:52	5.23	2.121	15.5	95.3	0.76	41.3	
8.81	9:55	5.24	2.115	15.5	97.7	0.74	30.2	
8.88	9:58	5.26	2.112	15.6	99.4	0.73	28.0	
8.93	10:01	5.29	2.113	15.6	100.2	0.70	28.4	

Sample ID No.: MW-13-09052024

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 9:40 **Sample Collection Time:** 10:10

Purge Completion Time: 10:03 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 130 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: Original tubing too long - sucking sed from bottom, cut by 3ft but bottom sed already disturbed and ↑ turbidity @ begin of purge

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-14

Project Name: City of Des Moines

Date: 09/6/2024

Project Number: US0033175.4784 **Weather Conditions:** Sunny 80°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph, from N

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** 135.97

Top of Casing Elevation (ft): 143.25 **Depth of Well Casing (ft):** _____

Initial Depth to Water (ft): 7.28 **Actual Purge Volume (gal):** 0.75 gal

Wellhead Condition: poor; ant infestation, black widow(s) present and active

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
7.86	11:12	6.70	0.970	16.0	47.3	1.32	41.8	
8.16	11:15	6.72	0.984	16.0	46.2	1.26	39.4	
8.27	11:20	6.75	0.986	15.9	45.3	1.01	26.2	
8.39	11:23	6.75	0.971	15.8	47.0	0.90	22.0	
8.50	11:26	6.77	0.954	15.7	42.3	0.75	18.1	
8.58	11:29	6.76	0.954	15.7	47.2	0.69	18.5	
8.62	11:32	6.76	0.960	15.7	49.7	0.67	17.3	

Sample ID No.: MW-14-09052024 **DUP Sample ID No.:** MW-DUP-09052024

Time: 00:00

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 11:10 **Sample Collection Time:** 11:40

Purge Completion Time: 11:34 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 120 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations:

well began to dewater during sampling

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-15

Project Name: City of Des Moines

Date: 09/6/2024

Project Number: US0033175.4784 **Weather Conditions:** Sunny, 75°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph, from N

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** 136.45

Top of Casing Elevation (ft): 143.90 **Depth of Well Casing (ft):** _____

Initial Depth to Water (ft): 7.45 **Actual Purge Volume (gal):** 1 gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L) ✓	Turbidity (NTUs) ✓	Notes
8.15	10:23	5.58	0.595	14.6	96.6	1.76	20.5	
8.32	10:26	5.54	0.545	15.1	92.3	1.03	13.7	
8.48	10:29	5.53	0.532	15.1	91.9	0.85	10.9	
8.58	10:32	5.53	0.528	15.1	91.5	0.77	13.3	
8.87	10:35	5.53	0.524	15.1	92.3	0.70	11.7	
9.06	10:38	5.55	0.521	15.1	81.8	0.64	10.7	
9.24	10:41	5.54	0.528	15.1	84.5	0.62	9.9	

Sample ID No.: MW-15-09052024

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 10:21 **Sample Collection Time:** 10:45

Purge Completion Time: 10:42 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 120 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: _____

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-3

Project Name: City of Des Moines

Date: 12/23/2024

Project Number: US0033175.4784

Weather Conditions: partly cloudy, 45°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins

Wind/Direction: to NW, <5mph

WELL INFORMATION

Casing Diameter (in): 4"

Top of Casing Elevation (ft): 143.90

Initial Depth to Water (ft): 3.35'

Wellhead Condition: ~~fair~~ fair to poor - debris in vault, very diff. to open vault lid, black widow infestation

Groundwater Elevation (ft): _____

Depth of Well Casing (ft): _____

Actual Purge Volume (gal): 1 gal

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv)	DO (mg/L)	Turbidity (NTUs) ✓	Notes
3.57	12:47	6.53	0.337	12.8	284.7	4.28	5.81	
3.70	12:52	6.43	0.348	12.6	274.7	1.54	4.06	
3.76	12:55	6.42	0.348	12.8	265.6	1.17	3.98	
3.81	12:58	6.42	0.348	12.9	257.9	1.00	3.89	
3.85	13:01	6.42	0.347	12.9	247.8	0.86	3.96	
3.90	13:04	6.42	0.346	12.9	241.2	0.79	3.78	
3.91	13:07	6.42	0.345	13.0	234.4	0.74	3.88	

Sample ID No.: MW-3-~~09052024~~ 122324

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 12:43

Purge Completion Time: 13:09

Average Purge Rate (mL/min): 125

Analytical Lab: Onsite Environmental

Sample Collection Time: 13:10

Purging Method: Low Flow

Sample Containers Used: 3x40 mL VOA

Chemical Analyses: TPH-Gx, BTEX

Other Field Observations: faint odor of petroleum while purging

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-4

Project Name: City of Des Moines

Date: 12/23/2024

Project Number: US0033175.4784
Weather Conditions: Sunny, 40°F
Location: City of Des Moines Public Works
Sampler: Jacklyn Perkins
Wind/Direction: to NW, <5

WELL INFORMATION

Casing Diameter (in): 4"
Top of Casing Elevation (ft): 146.93
Initial Depth to Water (ft): 4.33'
Wellhead Condition: poor - no plug, broken pvc, no gasket, no bolts

Groundwater Elevation (ft):
Depth of Well Casing (ft):
Actual Purge Volume (gal): 1gal

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L) ✓	Turbidity (NTUs) ✓	Notes
4.66	0942	6.65	0.452	12.3	217.0	3.42	55.05	slight yellow tint
4.76	0947	6.56	0.331	12.0	213.3	3.66	28.98	
4.85	0951	6.53	0.313	12.2	212.8	3.66	25.46	
4.94	0954	6.52	0.308	12.3	215.3	3.62	26.03	
5.04	0957	6.59	0.305	12.2	215.9	3.55	24.98	

Sample ID No.: MW-4-~~09052024~~ 122324

Water Level Ind. Model & No.: Solinst Oil/Water Interface
ORP/DO Meter Model & No.: YSI Pro DSS
Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell
Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 0938
Purge Completion Time: 0959
Average Purge Rate (mL/min): 125
Analytical Lab: Onsite Environmental
Other Field Observations: nearby parking on gravel for past ~6 months (several vehicles daily)

Sample Collection Time: 1010
Purging Method: Low Flow
Sample Containers Used: 3x40 mL VOA
Chemical Analyses: TPH-Gx, BTEX

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-5

Project Name: City of Des Moines

Date: 12/23/2024

Project Number: US0033175.4784 Weather Conditions: Sunny, 45°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins Wind/Direction: to NW, <5mph

WELL INFORMATION

Casing Diameter (in): 4" Groundwater Elevation (ft): _____

Top of Casing Elevation (ft): 143.88 Depth of Well Casing (ft): _____

Initial Depth to Water (ft): 3.95 Actual Purge Volume (gal): ~~to NW, <~~ 1.5gal

Wellhead Condition: poor - ~~no~~ plug, non-functional, no gasket, no bolts

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L) ✓	Turbidity (NTUs) ✓	Notes
4.17	10:37	6.70	0.188	11.7	225.0	8.05	9.01	
4.31	10:42	6.44	0.188	11.6	234.0	5.96	6.24	
4.38	10:46	6.42	0.186	11.6	236.8	5.72	4.99	
4.45	10:49	6.41	0.186	11.6	239.1	5.63	4.65	
4.48	10:53	6.40	0.186	11.8	241.9	5.53	4.59	

Sample ID No.: MW-5-~~09052024~~ 12232024

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 10:33 Sample Collection Time: 11:00

Purge Completion Time: 10:55 Purging Method: Low Flow

Average Purge Rate (mL/min): _____ Sample Containers Used: 3x40 mL VOA

Analytical Lab: Onsite Environmental Chemical Analyses: TPH-Gx, BTEX

Other Field Observations: ponded water up to edge of pvc casing, bailed out prior to purging

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-6

Project Name: City of Des Moines

Date: 12/23/2024

Project Number: US0033175.4784
Weather Conditions: sunny, 45°F
Location: City of Des Moines Public Works
Sampler: Jacklyn Perkins
Wind/Direction: to NW, <5mph

WELL INFORMATION

Casing Diameter (in): 4"
Top of Casing Elevation (ft): 140.32
Initial Depth to Water (ft): 3.12'
Wellhead Condition: fair to poor - no gasket, no bolts, debris inside
Groundwater Elevation (ft): 137.20'
Depth of Well Casing (ft):
Actual Purge Volume (gal): 1gal

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
3.26	11:40	6.42	0.326	11.6	278.9	3.33	4.38	
3.26	11:45	6.38	0.327	11.7	272.2	1.37	4.43	
3.26	11:49	6.39	0.328	11.6	267.4	1.15	4.45	
3.26	11:52	6.39	0.326	11.7	261.8	0.96	3.88	
3.26	11:55	6.39	0.324	11.6	259.0	0.89	3.67	
3.26	11:58	6.39	0.323	11.6	255.5	0.84	4.24	

Sample ID No.: MW-6-~~09052024~~ 122324

EXTRA VOLUME FOR MS/MSD

Water Level Ind. Model & No.: Solinst Oil/Water Interface
ORP/DO Meter Model & No.: YSI Pro DSS
Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell
Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 11:37
Purge Completion Time: 11:59
Average Purge Rate (mL/min): 150
Analytical Lab: Onsite Environmental
Other Field Observations: water to top of monument upon opening, bailed out, plug works well pump died after 1 run, rest of runs contain some orgs material

Sample Collection Time: 12:00
Purging Method: Low Flow
Sample Containers Used: 6x40 mL VOA
Chemical Analyses: TPH-Gx, BTEX

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-13

Project Name: City of Des Moines

Date: 12/23/2024

Project Number: US0033175.4784

Weather Conditions: Overcast, 50°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins

Wind/Direction: to west, <5mph

WELL INFORMATION

Casing Diameter (in): 2"

Top of Casing Elevation (ft): 144.80

Initial Depth to Water (ft): ↑

Wellhead Condition: 2.85' ↑ poor - debris, blackwidows in monument, no plug, monument ext. rusted thru

Groundwater Elevation (ft): _____

Depth of Well Casing (ft): _____

Actual Purge Volume (gal): 1.5 gal

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L)	Turbidity (NTUs)	Notes
3.26	1403	5.72	0.697	11.9	317.0	5.81	10.98	slight yellowish
3.37	1408	5.38	0.724	11.9	323.1	2.57	8.40	
3.41	1411	5.34	0.726	11.7	321.0	2.11	8.23	
3.43	1414	5.33	0.724	11.6	318.3	1.82	7.64	
3.45	1417	5.32	0.719	11.6	315.7	1.70	7.36	
3.50	1420	5.31	0.720	11.5	312.5	1.59	7.00	

Sample ID No.: MW-13-~~09052024~~ 122324

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 1400

Purge Completion Time: 1422

Average Purge Rate (mL/min): 175

Analytical Lab: Onsite Environmental

Sample Collection Time: 1430

Purging Method: Low Flow

Sample Containers Used: 3x40 mL VOA

Chemical Analyses: TPH-Gx, BTEX

Other Field Observations:

slight yellowish tinge to purge + sampled water

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-14

Project Name: City of Des Moines

Date: 12/23/2024

Project Number: US0033175.4784 Weather Conditions: cloudy, 40°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins Wind/Direction: to West, <5mph

WELL INFORMATION

Casing Diameter (in): 2" Groundwater Elevation (ft): _____

Top of Casing Elevation (ft): 143.25 Depth of Well Casing (ft): _____

Initial Depth to Water (ft): 5.35' Actual Purge Volume (gal): 1gal

Wellhead Condition: fair - black widow infestation

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
5.40	15:23	6.35	0.996	12.5	78.6	4.77	5.56	
5.40	15:28	6.53	1.098	12.2	86.7	1.44	5.45	
5.41	15:33	6.53	1.155	12.1	90.4	0.91	6.17	cleared bubbles
5.42	15:36	6.54	1.163	12.2	92.5	0.85	6.65	
5.42	15:39	6.55	1.166	12.1	94.8	0.81	6.30	

Sample ID No.: MW-14-~~09052024~~ 122324

DUP Sample ID No.: MW-DUP-~~09052024~~ 122324

Time: 00:00

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: _____ Sample Collection Time: 15:45

Purge Completion Time: _____ Purging Method: Low Flow

Average Purge Rate (mL/min): 150 Sample Containers Used: 3x40 mL VOA

Analytical Lab: Onsite Environmental Chemical Analyses: TPH-Gx, BTEX

Other Field Observations:

no odor noted, ORP readings possibly off (possible glitchy sensor)

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-15

Project Name: City of Des Moines

Date: 12/23/2024

Project Number: US0033175.4784 Weather Conditions: Overcast, 45°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins Wind/Direction: to west, <5mph

WELL INFORMATION

Casing Diameter (in): 2" Groundwater Elevation (ft): .33

Top of Casing Elevation (ft): 143.90 Depth of Well Casing (ft):

Initial Depth to Water (ft): 2.57' Actual Purge Volume (gal): 1.5gal

Wellhead Condition: poor - ext. damaged/caved in, black window rests

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
2.91	14:43	5.71	0.538	12.3	314.5	5.05	9.65	yellowish tinge
2.98	14:48	5.64	0.557	12.2	308.4	1.45	7.57	
3.00	14:53	5.65	0.554	12.2	303.4	1.05	7.47	
3.03	14:54	5.65	0.552	12.1	300.4	0.88	6.99	
3.04	14:57	5.67	0.550	12.0	299.2	0.76	6.78	
3.05	15:00	5.69	0.550	12.0	298.7	0.66	6.91	
3.06	15:03	5.67	0.543	11.9	298.2	0.64	6.82	
3.10	15:06	5.66	0.538	11.9	296.6	0.64	7.13	

Sample ID No.: MW-15-~~09052024~~ 122324

Water Level Ind. Model & No.: Solinst Oil/Water Interface

ORP/DO Meter Model & No.: YSI Pro DSS

Purge Equipment Used: Peristaltic Pump, dedicated tubing, flow thru cell

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 14:41 Sample Collection Time: 1500

Purge Completion Time: 15:08 Purging Method: Low Flow

Average Purge Rate (mL/min): 175 Sample Containers Used: 3x40 mL VOA

Analytical Lab: Onsite Environmental Chemical Analyses: TPH-Gx, BTEX

Other Field Observations:

yellowish tinge to purged and sampled water, no odor

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-4

Project Name: City of Des Moines

Date: 03/18/2025

Project Number: US0043858.1881 **Weather Conditions:** Sunny

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** from S, <5mph

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 3.44 **Actual Purge Volume (gal):** 0.5 gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
3.84	9:34	6.70	0.339	10.8	89.6	4.32	15.40	
4.06	9.38	6.66	0.339	10.9	115.6	4.07	15.59	
4.24	9:42	6.65	0.339	11.0	123.6	4.00	16.47	turned ↓
4.39	9:46	6.66	0.339	10.8	129.4	3.94	14.96	

Sample ID No.: MW-4-03182025

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 9:32 **Sample Collection Time:** 09:50

Purge Completion Time: 9:47 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 250 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: parked cars above well, sheen on wtr in casing measured by indicator

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-5

Project Name: City of Des Moines

Date: 03/18/2025

Project Number: US0043858.1881 **Weather Conditions:** 55°F Sunny

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from S

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** - _____

Top of Casing Elevation (ft): - _____ **Depth of Well Casing (ft):** - _____

Initial Depth to Water (ft): 3.85 **Actual Purge Volume (gal):** 0.25 gal

Wellhead Condition: good

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
4.05	10:28	6.46	0.221	10.4	139.9	3.48	3.33	
4.14	10:33	6.46	0.221	10.1	141.5	2.78	2.31	
4.22	10:37	6.46	0.220	10.4	142.3	2.61	2.74	

Sample ID No.: MW-5-03182025

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 10:25 **Sample Collection Time:** 10:40

Purge Completion Time: 10:38 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 200 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: _____

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-6

Project Name: City of Des Moines

Date: 03/18/2025

Project Number: US0043858.1881 **Weather Conditions:** 55°F Sunny

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from S.

WELL INFORMATION

Casing Diameter (in): 2"
Top of Casing Elevation (ft): -
Initial Depth to Water (ft): 2.59
Wellhead Condition: poor

Groundwater Elevation (ft): -
Depth of Well Casing (ft): -
Actual Purge Volume (gal): 0.5gal

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	±3% SC (ms/cm)	± Temp. (°C)	±10mV ORP (mv)	±10% DO (mg/L)	±10% Turbidity (NTUs)	Notes
2.82	11:15	6.70	0.376	10.6	150.4	1.66	14.23	
2.97	11:19	6.71	0.379	10.5	144.2	0.43	9.92	
3.04	11:23	6.72	0.379	10.5	137.0	0.20	7.72	
3.12	11:27	6.72	0.380	10.5	130.3	0.10	8.00	
3.17	11:31	6.72	0.379	10.6	124.5	0.04	8.01	

Sample ID No.: MW-6-03182025 **MS/MSD****
Water Level Ind. Model & No.: Solinst Water Level Meter
ORP/DO Meter Model & No.: YSI PRO DSS
Purge Equipment Used: Peristaltic Pump
Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 11:12
Purge Completion Time: 11:33
Average Purge Rate (mL/min): 180
Analytical Lab: Onsite Environmental
Other Field Observations: ~~Metal cover, none on top~~

Sample Collection Time: 11:40
Purging Method: Low Flow
Sample Containers Used: 6x40 mL VOA
Chemical Analyses: TPH-Gx, BTEX

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-3

Project Name: City of Des Moines

Date: 03/18/2025

Project Number: US0043858.1881 **Weather Conditions:** Sunny, 50°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph, to N

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** - _____

Top of Casing Elevation (ft): - _____ **Depth of Well Casing (ft):** - _____

Initial Depth to Water (ft): 3.35 **Actual Purge Volume (gal):** 1gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
3.40	12:14	6.56	0.390	12.0	-98.7	1.87	4.19	
3.56	12:18	6.57	0.390	11.8	-112.4	0.45	2.77	
3.70	12:22	6.59	0.389	11.8	-118.0	0.16	2.84	
3.84	12:26	6.59	0.389	11.7	-124.0	0.03	2.84	

Sample ID No.: MW-3-03182025

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 12:12 **Sample Collection Time:** 12:30

Purge Completion Time: 12:28 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 200 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: _____

GROUNDWATER SAMPLING I OG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-13

Project Name: City of Des Moines

Date: 03/18/2025

Project Number: US0043858.1881 **Weather Conditions:** Sunny, 50°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from S

WELL INFORMATION

Casing Diameter (in): 2" **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 3.31 **Actual Purge Volume (gal):** 0.5gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
3.62	13:27	5.86	0.575	11.3	89.3	2.27	15.33	
3.79	13:32	5.85	0.558	11.1	104.4	1.16	12.78	
3.81	13:36	5.85	0.554	11.0	104.9	1.01	11.28	
3.92	13:40	5.84	0.552	10.9	105.2	0.94	12.25	
4.00	13:44	5.84	0.556	10.9	106.3	0.90	11.50	

Sample ID No.: MW-13-03182025

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 13:24 **Sample Collection Time:** 13:45

Purge Completion Time: 13:45 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 200 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations:

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-15

Project Name: City of Des Moines

Date: 03/18/2025

Project Number: US0043858.1881 **Weather Conditions:** Sunny, 50°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from South

WELL INFORMATION

Casing Diameter (in): 2" **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 2.77' **Actual Purge Volume (gal):** 1gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
3.19	14:12	6.03	0.316	11.5	127.2	1.37	10.28	
3.20	14:16	6.05	0.286	11.3	130.7	0.69	9.43	
3.21	14:20	6.06	0.285	11.3	130.5	0.46	9.89	
3.41	14:24	6.06	0.288	11.2	131.0	0.28	10.10	
3.52	14:28	6.06	0.289	11.1	132.0	0.24	10.44	

Sample ID No.: MW-15-03182025 ~~**DUP Sample ID No.:**~~ ~~Time:~~

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 14:09 **Sample Collection Time:** 14:30

Purge Completion Time: 14:29 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 200 mL/min **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: sheen on water in casing - measured by indicator

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-~~15~~ 14

Project Name: City of Des Moines

Date: 03/18/2025

Project Number: US0043858.1881
Location: City of Des Moines Public Works
Sampler: Jacklyn Perkins

Weather Conditions: 55°F, sunny
Wind/Direction: <5mph from south

WELL INFORMATION

Casing Diameter (in): 2"
Top of Casing Elevation (ft): -
Initial Depth to Water (ft): 5.26
Wellhead Condition: poor

Groundwater Elevation (ft): -
Depth of Well Casing (ft): -
Actual Purge Volume (gal): 1.5gal

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
5.54	14:56	6.65	0.800	12.1	-92.0	2.06	4.75	
5.60	15:00	6.71	0.957	11.7	-114.8	0.45	8.38	
5.58	15:04	6.72	1.082	11.6	-114.3	0.29	9.21	
5.58	15:08	6.72	1.075	11.7	-105.3	0.36	6.72	
5.58	15:12	6.72	1.105	11.4	-96.7	0.53	10.78	
5.57	15:16	6.71	1.105	11.3	-90.0	0.72	11.53	
5.57	15:20	6.70	1.087	11.3	-84.0	0.85	12.49	
5.57	15:24	6.70	1.068	11.3	-82.1	0.93	11.34	
5.57	15:28	6.70	1.061	11.3	-81.7	0.87	10.94	

Sample ID No.: MW-15-03182025
DUP = MW-DUP-031825
Time: 00:00
Water Level Ind. Model & No.: Solinst Water Level Meter
ORP/DO Meter Model & No.: YSI PRO DSS
Purge Equipment Used: Peristaltic Pump
Sampling Equipment Used: Peristaltic Pump, deulicated tubing

Purge Start Time: 14:54
Purge Completion Time: 15:29
Average Purge Rate (mL/min): 180
Analytical Lab: Onsite Environmental
Other Field Observations: petroleum odor from purged water

Sample Collection Time: 15:30
Purging Method: Low Flow
Sample Containers Used: 3x40 mL VOA
Chemical Analyses: TPH-Gx, BTEX

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-3

Project Name: City of Des Moines

Date: 06/27/2025

Project Number: US0043858.1881 **Weather Conditions:** Cloudy, 60°F, humid

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from S

WELL INFORMATION

Casing Diameter (in): 6" 4" **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 6.78 **Actual Purge Volume (gal):** 0.5 gal

Wellhead Condition:

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
6.96	11:58	6.42	0.375	14.8	-511.1	1.79	2.85	
7.12	12:01	6.38	0.375	14.8	-548.4	1.18	3.10	turned ↓ pump
7.26	12:04	6.36	0.375	15.3	-543.9	0.86	3.16	
7.32	12:07	6.35	0.376	15.2	-545.6	0.78	3.01	
7.38	12:10	6.35	0.377	15.3	-545.0	0.73	2.98	

Sample ID No.: MW-3-062725

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 11:57 **Sample Collection Time:** 1215

Purge Completion Time: 12:11 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 250 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: Moderate petroleum odor @ start of purge, ~~disappeared~~ ~~as purging continued~~

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-4

Project Name: City of Des Moines

Date: 06/27/2025

Project Number: US0043858.1881 **Weather Conditions:** cloudy, 55°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from S

WELL INFORMATION

Casing Diameter (in): 4" **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 9.65 **Actual Purge Volume (gal):** 1gal

Wellhead Condition: poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
9.80	0945	6.43	0.411	13.0	-487.9	2.20	13.42	
9.94	0948	6.36	0.410	13.0	-546.8	1.12	11.79	turned ↓ pump
10.08	0951	6.37	0.410	13.1	-556.5	0.89	10.18	
10.20	0954	6.37	0.409	13.0	-559.8	0.79	11.02	
10.32	0957	6.37	0.409	13.0	-557.9	0.77	10.66	
10.45	1000	6.37	0.409	12.9	-562.4	0.74	9.87	

Sample ID No.: MW-4-062725

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 0942 **Sample Collection Time:** 1000

Purge Completion Time: 1000 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 125 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations:

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-5

Project Name: City of Des Moines

Date: 06/27/2025

Project Number: US0043858.1881 **Weather Conditions:** overcast, 60°F

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from S

WELL INFORMATION

Casing Diameter (in): 4" **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 7.30 **Actual Purge Volume (gal):** 1gal

Wellhead Condition: fair to poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv)	DO (mg/L) ✓	Turbidity (NTUs) ✓	Notes
7.50	1025	6.54	0.251	13.3	-387.6	2.22	3.21	
7.57	1028	6.34	0.252	13.5	-469.5	1.29	2.90	
7.62	1031	6.27	0.252	13.4	-506.1	0.90	2.83	
7.67	1034	6.26	0.251	13.3	-519.8	0.85	2.92	
7.674	1037	6.25	0.250	13.2	-533.4	0.79	3.02	
7.80	1040	6.24	0.249	13.2	-534.6	0.74	3.00	
7.85	1043	6.24	0.249	13.1	-536.4	0.71	3.28	

Sample ID No.: MW-5-062725

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 10:23 **Sample Collection Time:** 1045

Purge Completion Time: 10:44 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 150 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations:

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-6

Project Name: City of Des Moines

Date: 06/27/2025

Project Number: US0043858.1881 **Weather Conditions:** overcast, 60°F, humid

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** <5mph from S

WELL INFORMATION

Casing Diameter (in): 4" **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 4.28 **Actual Purge Volume (gal):** 1.75gal

Wellhead Condition: fair to poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
4.59	11:14	6.46	0.357	12.4	-507.6	1.54	24.59	
4.66	11:17	6.42	0.358	12.4	-531.2	0.98	19.32	organic floaters
4.76	11:20	6.41	0.358	12.4	-539.7	0.86	18.58	turned pump
4.91	11:23	6.39	0.353	12.3	-548.0	0.78	17.63	
5.03	11:26	6.42	0.353	12.4	-552.2	0.73	16.89	

Sample ID No.: MW-6-062725 **MS/MSD****

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 11:10 **Sample Collection Time:** ~~11:30~~ 11:45

Purge Completion Time: 11:28 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 150 **Sample Containers Used:** 6x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: miswrote time as 11:45 on bottles.

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-13

Project Name: City of Des Moines

Date: 06/27/2025

Project Number: US0043858.1881 **Weather Conditions:** cloudy, 60°F, humid

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** 10mph, from S

WELL INFORMATION

Casing Diameter (in): 2" **Groundwater Elevation (ft):** -

Top of Casing Elevation (ft): - **Depth of Well Casing (ft):** -

Initial Depth to Water (ft): 7.03 **Actual Purge Volume (gal):** 0.75 gal

Wellhead Condition: fair to poor

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
7.38	13:32	6.10	0.741	14.1	-504.9	1.18	18.71	
7.54	13:35	6.06	0.728	13.5	-550.2	0.89	19.61	turned ↓ pump
7.59	13:38	6.03	0.725	13.7	-552.7	0.79	17.79	
7.89	13:41	5.97	0.673	13.6	-481.8	0.77	13.43	turned ↑ pump
7.99	13:44	6.06	0.645	13.6	-487.1	0.76	10.29	
8.12	13:47	5.97	0.662	13.6	-534.0	0.69	9.64	
8.20	13:50	5.96	0.686	13.6	-540.9	0.66	8.89	
8.34	13:53	5.96	0.701	13.7	-542.1	0.63	8.17	

Sample ID No.: MW-13-062725

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 13:29 **Sample Collection Time:** 14:00

Purge Completion Time: 13:55 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 150 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: moderate petroleum odor during purging

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-14

Project Name: City of Des Moines

Date: 06/27/2025

Project Number: US0043858.1881 **Weather Conditions:** Cloudy, 60°F, humid

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** 10mph from S

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** - _____

Top of Casing Elevation (ft): - _____ **Depth of Well Casing (ft):** - _____

Initial Depth to Water (ft): 5.72 **Actual Purge Volume (gal):** 1.25gal

Wellhead Condition: fair

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units)	SC (ms/cm)	Temp. (°C)	ORP (mv)	DO (mg/L)	Turbidity (NTUs)	Notes
6.24	1507	6.41	0.541	14.2	-237.0	4.83	12.76	
6.67	1510	6.48	0.539	14.0	-255.0	3.95	128.62	cloudy white
6.81	1513	6.52	0.542	14.0	-268.7	3.59	114.10	"
7.08	1516	6.53	0.547	13.8	-278.5	3.06	156.72	"
7.64	1519	6.52	0.562	13.7	-294.7	2.68	146.42	"
7.87	1521	6.64	0.570	13.6	-301.9	2.21	164.08	"
8.00	1524	6.54	0.578	13.5	-335.8	2.04	73.31	clearer
8.15	1527	6.53	0.587	13.5	-359.1	1.64	51.75	
8.32	1530	6.53	0.590	13.4	-365.5	1.36	47.89	
8.41	1533	6.52	0.593	13.4	-375.4	1.26	45.32	
8.58	1536	6.52	0.600	13.4	-377.9	1.16	44.66	

Sample ID No.: MW-14-062725 **DUP Sample ID No.:** MW-DUP-062725

Time: 00:00

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 1506 **Sample Collection Time:** 1540

Purge Completion Time: 1537 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 150 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: _____

GROUNDWATER SAMPLING LOG
Low Flow Sampling

MONITORING WELL/PIEZOMETER NUMBER MW-15

Project Name: City of Des Moines

Date: 06/27/2025

Project Number: US0043858.1881 **Weather Conditions:** partly sunny, 65°F, humid

Location: City of Des Moines Public Works

Sampler: Jacklyn Perkins **Wind/Direction:** 10mph from S

WELL INFORMATION

Casing Diameter (in): _____ **Groundwater Elevation (ft):** - _____

Top of Casing Elevation (ft): - _____ **Depth of Well Casing (ft):** - _____

Initial Depth to Water (ft): 6.27 **Actual Purge Volume (gal):** 0.5 gal

Wellhead Condition: fair

PURGING MEASUREMENTS

WL (ft btoc)	Time	pH (std. units) ✓	SC (ms/cm) ✓	Temp. (°C) ✓	ORP (mv) ✓	DO (mg/L)	Turbidity (NTUs) ✓	Notes
7.18	14:15	5.98	0.353	13.8	-459.2	1.99	11.59	
8.16	14:18	5.98	0.352	13.9	-487.4	1.17	12.88	turned pump
8.55	14:21	5.98	0.350	14.0	-498.6	0.87	13.42	
8.74	14:24	5.97	0.351	14.0	-508.6	0.77	14.94	
9.05	14:27	5.96	0.350	13.9	-518.4	0.70	15.67	
9.43	14:30	5.95	0.347	14.0	-510.1	0.67	15.88	

Sample ID No.: MW-15-062725

Water Level Ind. Model & No.: Solinst Water Level Meter

ORP/DO Meter Model & No.: YSI PRO DSS

Purge Equipment Used: Peristaltic Pump

Sampling Equipment Used: Peristaltic Pump, dedicated tubing

Purge Start Time: 14:13 **Sample Collection Time:** 1430

Purge Completion Time: 14:30 **Purging Method:** Low Flow

Average Purge Rate (mL/min): 125 **Sample Containers Used:** 3x40 mL VOA

Analytical Lab: Onsite Environmental **Chemical Analyses:** TPH-Gx, BTEX

Other Field Observations: Yellowish tinge to purged water/sample

APPENDIX C

LABORATORY ANALYTICAL REPORTS AND DATA QUALITY REVIEW MEMOS FOR GROUNDWATER SAMPLES

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

September 16, 2024

Leah Vigoren
WSP USA Inc.
18300 Redmond Way, Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project US0033175.4784
Laboratory Reference No. 2409-057

Dear Leah:

Enclosed are the analytical results and associated quality control data for samples submitted on September 6, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 16, 2024
Samples Submitted: September 6, 2024
Laboratory Reference: 2409-057
Project: US0033175.4784

Case Narrative

Samples were collected on September 5 and 6, 2024 and received by the laboratory on September 6, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 16, 2024
Samples Submitted: September 6, 2024
Laboratory Reference: 2409-057
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4-09052024**					
Laboratory ID:	09-057-01					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*61-122*				
Client ID:	**MW-5-09052024**					
Laboratory ID:	09-057-02					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*61-122*				
Client ID:	**MW-6-09052024**					
Laboratory ID:	09-057-03					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 16, 2024
Samples Submitted: September 6, 2024
Laboratory Reference: 2409-057
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-09052024**					
Laboratory ID:	09-057-04					
Benzene	**1.3**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**1.1**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**110**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*61-122*				
Client ID:	**MW-13-09052024**					
Laboratory ID:	09-057-05					
Benzene	**8.9**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**18**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**12**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**3.5**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*61-122*				
Client ID:	**MW-14-09052024**					
Laboratory ID:	09-057-06					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 16, 2024
Samples Submitted: September 6, 2024
Laboratory Reference: 2409-057
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-DUP-09052024**					
Laboratory ID:	09-057-07					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*61-122*				
Client ID:	**MW-15-09052024**					
Laboratory ID:	09-057-08					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*61-122*				
Client ID:	**Trip Blanks**					
Laboratory ID:	09-057-09					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 16, 2024
Samples Submitted: September 6, 2024
Laboratory Reference: 2409-057
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0910W1					
Benzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Toluene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Ethylbenzene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
m,p-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
o-Xylene	**ND**	1.0	EPA 8021B	9-10-24	9-10-24	
Gasoline	**ND**	100	NWTPH-Gx	9-10-24	9-10-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: September 16, 2024
Samples Submitted: September 6, 2024
Laboratory Reference: 2409-057
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	09-057-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*87*	*89*	*61-122*			
MATRIX SPIKES											
Laboratory ID:	09-057-03										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**50.2**	**51.7**	50.0	50.0	ND	**100**	**103**	75-125	3	15	
Toluene	**48.4**	**49.6**	50.0	50.0	ND	**97**	**99**	75-125	2	15	
Ethylbenzene	**49.0**	**50.0**	50.0	50.0	ND	**98**	**100**	75-125	2	15	
m,p-Xylene	**48.6**	**49.5**	50.0	50.0	ND	**97**	**99**	75-125	2	15	
o-Xylene	**48.6**	**49.4**	50.0	50.0	ND	**97**	**99**	75-125	2	15	
Surrogate:											
Fluorobenzene						*92*	*86*	*61-122*			
SPIKE BLANKS											
Laboratory ID:	SB0910W1										
	SB		SB		SB						
Benzene	**54.2**		50.0		**108**			81-117	NA	NA	
Toluene	**52.1**		50.0		**104**			85-116	NA	NA	
Ethylbenzene	**52.6**		50.0		**105**			84-116	NA	NA	
m,p-Xylene	**52.0**		50.0		**104**			85-115	NA	NA	
o-Xylene	**52.5**		50.0		**105**			86-116	NA	NA	
Surrogate:											
Fluorobenzene					*119*			*61-122*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: WSP
Project Number: US00331754784
Project Name: City of Des Moines Public Works
Project Manager: Leah Vigoren
Sampled by: Jacklyn Perkins

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 09-057

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ / 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	MW-4-09052024	9/5	1000	AQ	3		X																				
2	MW-5-09052024		12:45	AQ	3		X																				
3	MW-6-09052024 (MS/MSD)		13:15	AQ	6		X																				
4	MW-3-09052024		14:10	AQ	3		X																				
5	MW-13-09052024	9/6	10:10	AQ	3		X																				
6	MW-14-09052024		11:40	AQ	3		X																				
7	MW-DUP-09052024		00:00	AQ	3		X																				
8	MW-15-09052024		10:45	AQ	3		X																				
9	Trip blanks	—	—	AQ	3		X																				

	Signature	Company	Date	Time
Relinquished		WSP	9/6/24	16:00
Received		OSE	9/6/24	1600
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Spike blank analysis on all organics run trips

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

Memo

To:	Leah Vigoren	Project:	US0033175.4784
From:	Jacklyn Perkins	c:	Project File
Tel:	(425) 608-1907		
Fax:			
Date:	October 8, 2024		

Subject: City of Des Moines Public Works 3rd Quarter 2024 Groundwater Sampling Summary Data Quality Review, Sample Delivery Group 2409-057

This memorandum presents a summary data quality review for analyses of seven primary groundwater samples, and one groundwater sample duplicate collected on September 5 and September 6, 2024; all samples were collected from the City of Des Moines Public Works Maintenance Facility in Des Moines, Washington. A trip blank associated with this sample delivery group was submitted to the laboratory on September 6, 2024. WSP submitted samples to OnSite Environmental, Inc. (OnSite), in Redmond, Washington, a laboratory accredited by the Washington State Department of Ecology. Upon receipt by OnSite, the sample jar information was compared to the chain-of-custody form. The temperatures of the coolers were recorded as part of the check-in procedure and were below the maximum acceptable temperature of 6 degrees Celsius.

The samples were analyzed for the following analytes:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021B; and
- Total petroleum hydrocarbons as gasoline (TPH-G) by Washington State Department of Ecology Method NWTPH-Gx.

The samples and the analyses performed on the samples are presented below.

Sample Location	Field Sample ID	Laboratory Sample ID	Requested Analyses
MW-4	MW-4-09052024	09-057-01	All
MW-5	MW-5-09052024	09-057-02	All
MW-6	MW-6-09052024	09-057-03	All
MW-3	MW-3-09052024	09-057-04	All
MW-13	MW-13-09052024	09-057-05	All
MW-14	MW-14-09052024	09-057-06	All
MW-15	MW-15-09052024	09-057-08	All
MW-14	MW-DUP-09052024	09-057-07	All
Trip Blank	Trip Blank	12-363-09	All

WSP performed a Stage 2A validation of the data provided by OnSite. The Stage 2A review includes review of the quality control (QC) results in the laboratory's analytical reports but does not include review or validation of the analytical instrument performance or raw analytical data. This data quality review has been performed in general accordance with the National Functional Guidelines for Superfund Organic Methods Data Review (EPA, 2020).

The laboratory's certified analytical report and supporting documentation were reviewed to assess data package deliverable completeness; compliance with chain-of-custody and holding-time criteria; presence or absence of laboratory contamination as demonstrated by laboratory blanks; accuracy and bias as demonstrated by recovery

WSP USA Inc. (WSP)
18300 Redmond Way, Ste 200
Redmond, WA 98052
425-883-0777
wsp.com

of laboratory control samples (LCS), matrix spike (MS) samples, and surrogate spikes; analytical precision as the relative percent difference (RPD) of analyte concentrations between laboratory duplicates, MS and MS duplicates (MSDs), and field duplicates; reporting limits; laboratory flags; and conformance to analytical method requirements.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error. If data qualification was required, data were qualified in general accordance with the definitions and use of data qualifier flags outlined in the EPA guidance document (EPA, 2020).

The following qualifiers may be added to the data:

- U: The analyte was analyzed for but was not detected above the reported sample quantitation limit.
- J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, with a possible high bias.
- UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R: The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ORGANIC ANALYSES

Samples were analyzed for BTEX and TPH-G by the methods introduced above, and results were evaluated for the following quality assurance/QC criteria:

1. Holding Times – Acceptable
2. Laboratory Blank – Acceptable
3. Trip blank – Acceptable
4. LCS Accuracy – Acceptable
5. Laboratory Duplicates – Acceptable
6. MS/MSD – Acceptable
7. Surrogate Recoveries – Acceptable
8. Data Reporting and Analytical Procedures – Acceptable
9. Field Duplicates – Acceptable

   One field duplicate was submitted for each analysis during this sampling event. Primary and duplicate results are summarized in the table below. The RPD is not calculated if both the primary and duplicate results are not five times greater than the reporting limit of the primary sample, as indicated in the table below by "NC." In these instances, the absolute value of the difference between the primary and field duplicate should not exceed the reporting limit.

Sample ID/ Field Duplicate ID	Analyte	Primary Results (µg/L)	Duplicate Results (µg/L)	Reporting Limit (µg/L)	RPD (%)
MW-14-09052024/ MW-DUP-09052024	Benzene	ND	ND	1.0	NC
	Toluene	ND	ND	1.0	NC
	Ethylbenzene	ND	ND	1.0	NC
	m,p-Xylene	ND	ND	1.0	NC
	o-Xylene	ND	ND	1.0	NC
	TPH-G	ND	ND	100	NC

Abbreviations:
µg/L = micrograms per liter
NC = not calculated
ND = not detected at practical quantitation limit
RPD = relative percent difference
TPH-G = total petroleum hydrocarbons as gasoline

10. Laboratory Flags and Reporting Limits – Acceptable

OVERALL ASSESSMENT OF DATA

The OnSite Sample Delivery Group 2409-057 is 100 percent complete. No problems were identified, and analytical performance was within specified limits. No data were rejected or qualified during validation, and the data are considered to be fully usable.

REFERENCES

U.S. Environmental Protection Agency (EPA), 2020, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-20-005, November.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 7, 2025

Leah Vigoren
WSP USA Inc.
18300 Redmond Way, Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project US0033175.4784
Laboratory Reference No. 2412-363

Dear Leah:

Enclosed are the analytical results and associated quality control data for samples submitted on December 23, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 7, 2025
Samples Submitted: December 23, 2024
Laboratory Reference: 2412-363
Project: US0033175.4784

Case Narrative

Samples were collected on December 23, 2024 and received by the laboratory on December 23, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 7, 2025
Samples Submitted: December 23, 2024
Laboratory Reference: 2412-363
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4-122324**					
Laboratory ID:	12-363-01					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**ND**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-122*				
Client ID:	**MW-5-122324**					
Laboratory ID:	12-363-02					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**ND**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*61-122*				
Client ID:	**MW-6-122324**					
Laboratory ID:	12-363-03					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**ND**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*101*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 7, 2025
Samples Submitted: December 23, 2024
Laboratory Reference: 2412-363
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-122324**					
Laboratory ID:	12-363-04					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**1.1**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**2.0**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**100**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*79*	*61-122*				
Client ID:	**MW-13-122324**					
Laboratory ID:	12-363-05					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**ND**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*61-122*				
Client ID:	**MW-15-122324**					
Laboratory ID:	12-363-06					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**ND**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 7, 2025
Samples Submitted: December 23, 2024
Laboratory Reference: 2412-363
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-14-122324**					
Laboratory ID:	12-363-07					
Benzene	**1100**	50	EPA 8021B	1-3-25	1-3-25	
Toluene	**140**	50	EPA 8021B	1-3-25	1-3-25	
Ethylbenzene	**560**	50	EPA 8021B	1-3-25	1-3-25	
m,p-Xylene	**900**	50	EPA 8021B	1-3-25	1-3-25	
o-Xylene	**99**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**7700**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*108*	*61-122*				
Client ID:	**MW-DUP-122324**					
Laboratory ID:	12-363-08					
Benzene	**1100**	50	EPA 8021B	1-3-25	1-3-25	
Toluene	**140**	50	EPA 8021B	1-3-25	1-3-25	
Ethylbenzene	**580**	50	EPA 8021B	1-3-25	1-3-25	
m,p-Xylene	**920**	50	EPA 8021B	1-3-25	1-3-25	
o-Xylene	**98**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**7700**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*108*	*61-122*				
Client ID:	**Trip Blanks**					
Laboratory ID:	12-363-09					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**ND**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 7, 2025
Samples Submitted: December 23, 2024
Laboratory Reference: 2412-363
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0102W1					
Benzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Toluene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-2-25	1-2-25	
Gasoline	**ND**	100	NWTPH-Gx	1-2-25	1-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*61-122*				
Laboratory ID:	MB0103W1					
Benzene	**ND**	1.0	EPA 8021B	1-3-25	1-3-25	
Toluene	**ND**	1.0	EPA 8021B	1-3-25	1-3-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	1-3-25	1-3-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	1-3-25	1-3-25	
o-Xylene	**ND**	1.0	EPA 8021B	1-3-25	1-3-25	
Gasoline	**ND**	100	NWTPH-Gx	1-3-25	1-3-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*81*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 7, 2025
Samples Submitted: December 23, 2024
Laboratory Reference: 2412-363
Project: US0033175.4784

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	12-363-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*101*	*97*	*61-122*			
MATRIX SPIKES											
Laboratory ID:	12-363-03										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**48.6**	**49.4**	50.0	50.0	ND	**97**	**99**	75-125	2	15	
Toluene	**48.2**	**49.5**	50.0	50.0	ND	**96**	**99**	75-125	3	15	
Ethylbenzene	**47.2**	**49.1**	50.0	50.0	ND	**94**	**98**	75-125	4	15	
m,p-Xylene	**46.7**	**49.4**	50.0	50.0	ND	**93**	**99**	75-125	6	15	
o-Xylene	**46.2**	**49.0**	50.0	50.0	ND	**92**	**98**	75-125	6	15	
Surrogate:											
Fluorobenzene						*105*	*103*	*61-122*			
SPIKE BLANKS											
Laboratory ID:	SB0102W1										
	SB		SB			SB					
Benzene	**51.3**		50.0			**103**		81-117	NA	NA	
Toluene	**52.4**		50.0			**105**		85-116	NA	NA	
Ethylbenzene	**53.2**		50.0			**106**		84-116	NA	NA	
m,p-Xylene	**52.8**		50.0			**106**		85-115	NA	NA	
o-Xylene	**52.9**		50.0			**106**		86-116	NA	NA	
Surrogate:											
Fluorobenzene						*86*		*61-122*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: WSP, USA
Project Number: US0033175.4784
Project Name: City of Des Moines Public Works
Project Manager: Leah Vigoren, Jacklyn Perkins
Sampled by: Jacklyn Perkins

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 12-363

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	MW-4-122324	12/23	10:00	AQ	3		X																				
2	MW-5-122324	↓	11:00	↓	3		X																				
3	MW-6-122324 (MS/MSD)		12:00		6		X																				
4	MW-3-122324		13:10		3		X																				
5	MW-13-122324		1430		3		X																				
6	MW-15-122324		1520		3		X																				
7	MW-14-122324		1525		3		X																				
8	MW-DUP-122324		00:00		3		X																				
9	Trip blanks	—	—	W	3		X																				

	Signature	Company	Date	Time
Relinquished		WSP	12/23/24	17:30
Received		CORE	12/23/24	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
run spike blank analysis on all orgx

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

Memo

To:	Leah Vigoren	Project:	US0033175.4784
From:	Jacklyn Perkins	c:	Project File
Tel:	(425) 608-1907		
Date:	January 14, 2025		

Subject: City of Des Moines Public Works 4th Quarter 2024 Groundwater Sampling Summary Data Quality Review, Sample Delivery Group 2412-363

This memorandum presents a summary data quality review for analyses of seven primary groundwater samples, and one groundwater sample duplicate collected on December 23, 2024; all samples were collected from the City of Des Moines Public Works Maintenance Facility in Des Moines, Washington. A trip blank associated with this sample delivery group was submitted to the laboratory on December 23, 2024. WSP submitted samples to OnSite Environmental, Inc. (OnSite), in Redmond, Washington, a laboratory accredited by the Washington State Department of Ecology. Upon receipt by OnSite, the sample jar information was compared to the chain-of-custody form. The temperatures of the coolers were recorded as part of the check-in procedure and were below the maximum acceptable temperature of 6 degrees Celsius.

The samples were analyzed for the following analytes:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021B; and
- Total petroleum hydrocarbons as gasoline (TPH-G) by Washington State Department of Ecology Method NWTPH-Gx.

The samples and the analyses performed on the samples are presented below.

Sample Location	Field Sample ID	Laboratory Sample ID	Requested Analyses
MW-4	MW-4-122324	12-363-01	All
MW-5	MW-5-122324	12-363-02	All
MW-6	MW-6-122324	12-363-03	All
MW-3	MW-3-122324	12-363-04	All
MW-13	MW-13-122324	12-363-05	All
MW-14	MW-14-122324	12-363-07	All
MW-15	MW-15-122324	12-363-06	All
MW-14	MW-DUP-122324	12-363-08	All
Trip Blank	Trip Blank	12-363-09	All

WSP performed a Stage 2A validation of the data provided by OnSite. The Stage 2A review includes review of the quality control (QC) results in the laboratory's analytical reports but does not include review or validation of the analytical instrument performance or raw analytical data. This data quality review has been performed in general accordance with the National Functional Guidelines for Superfund Organic Methods Data Review (EPA, 2020).

The laboratory's certified analytical report and supporting documentation were reviewed to assess data package deliverable completeness; compliance with chain-of-custody and holding-time criteria; presence or absence of laboratory contamination as demonstrated by laboratory blanks; accuracy and bias as demonstrated by recovery of laboratory control samples (LCS), matrix spike (MS) samples, and surrogate spikes; analytical precision as the

WSP USA Inc. (WSP)
18300 Redmond Way, Ste 200
Redmond, WA 98052
425-883-0777
wsp.com

relative percent difference (RPD) of analyte concentrations between laboratory duplicates, MS and MS duplicates (MSDs), and field duplicates; reporting limits; laboratory flags; and conformance to analytical method requirements.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error. If data qualification was required, data were qualified in general accordance with the definitions and use of data qualifier flags outlined in the EPA guidance document (EPA, 2020).

The following qualifiers may be added to the data:

- U: The analyte was analyzed for but was not detected above the reported sample quantitation limit.
- J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, with a possible high bias.
- UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R: The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ORGANIC ANALYSES

Samples were analyzed for BTEX and TPH-G by the methods introduced above, and results were evaluated for the following quality assurance/QC criteria:

1. Holding Times – Acceptable
2. Laboratory Blank – Acceptable
3. Trip blank – Acceptable
4. LCS Accuracy – Acceptable
5. Laboratory Duplicates – Acceptable
6. MS/MSD – Acceptable
7. Surrogate Recoveries – Acceptable
8. Data Reporting and Analytical Procedures – Acceptable
9. Field Duplicates – Acceptable

   One field duplicate was submitted for each analysis during this sampling event. Primary and duplicate results are summarized in the table below. The RPD is not calculated if both the primary and duplicate results are not five times greater than the reporting limit of the primary sample, as indicated in the table below by "NC." In these instances, the absolute value of the difference between the primary and field duplicate should not exceed the reporting limit.

Sample ID/ Field Duplicate ID	Analyte	Primary Results (µg/L)	Duplicate Results (µg/L)	Reporting Limit (µg/L)	RPD (%)
MW-14-122324/ MW-DUP-122324	Benzene	1100	1100	1.0	0
	Toluene	140	140	1.0	0
	Ethylbenzene	560	580	1.0	3.5
	m,p-Xylene	900	920	1.0	2.2
	o-Xylene	99	98	1.0	1.0
	TPH-G	7700	7700	100	0

Abbreviations:
µg/L = micrograms per liter
NC = not calculated
ND = not detected at practical quantitation limit
RPD = relative percent difference
TPH-G = total petroleum hydrocarbons as gasoline

10. Laboratory Flags and Reporting Limits – Acceptable

OVERALL ASSESSMENT OF DATA

The OnSite Sample Delivery Group 2412-363 is 100 percent complete. No problems were identified, and analytical performance was within specified limits. No data were rejected or qualified during validation, and the data are considered to be fully usable.

REFERENCES

U.S. Environmental Protection Agency (EPA), 2020, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-20-005, November.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 26, 2025

Leah Vigoren
WSP USA Inc.
18300 Redmond Way, Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project US0043858.1881
Laboratory Reference No. 2503-241

Dear Leah:

Enclosed are the analytical results and associated quality control data for samples submitted on March 18, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

Case Narrative

Samples were collected on March 18, 2025 and received by the laboratory on March 18, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4-031825**					
Laboratory ID:	03-241-01					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*70*	*61-122*				
Client ID:	**MW-5-031825**					
Laboratory ID:	03-241-02					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*70*	*61-122*				
Client ID:	**MW-6-031825**					
Laboratory ID:	03-241-03					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*70*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-031825**					
Laboratory ID:	03-241-04					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*67*	*61-122*				
Client ID:	**MW-13-031825**					
Laboratory ID:	03-241-05					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*72*	*61-122*				
Client ID:	**MW-15-031825**					
Laboratory ID:	03-241-06					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*73*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-14-031825**					
Laboratory ID:	03-241-07					
Benzene	**430**	10	EPA 8021B	3-20-25	3-20-25	
Toluene	**12**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**260**	10	EPA 8021B	3-20-25	3-20-25	
m,p-Xylene	**320**	10	EPA 8021B	3-20-25	3-20-25	
o-Xylene	**3.9**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**3200**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*94*	*61-122*				
Client ID:	**MW-DUP-031825**					
Laboratory ID:	03-241-08					
Benzene	**440**	10	EPA 8021B	3-20-25	3-20-25	
Toluene	**14**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**260**	10	EPA 8021B	3-20-25	3-20-25	
m,p-Xylene	**330**	10	EPA 8021B	3-20-25	3-20-25	
o-Xylene	**4.7**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**3500**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*93*	*61-122*				
Client ID:	**Trip Blanks**					
Laboratory ID:	03-241-09					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*68*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0319W1					
Benzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Toluene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-19-25	3-19-25	
Gasoline	**ND**	100	NWTPH-Gx	3-19-25	3-19-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*69*	*61-122*				
Laboratory ID:	MB0320W2					
Benzene	**ND**	1.0	EPA 8021B	3-20-25	3-20-25	
Toluene	**ND**	1.0	EPA 8021B	3-20-25	3-20-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	3-20-25	3-20-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	3-20-25	3-20-25	
o-Xylene	**ND**	1.0	EPA 8021B	3-20-25	3-20-25	
Gasoline	**ND**	100	NWTPH-Gx	3-20-25	3-20-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*84*	*61-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-241-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*70*	*72*	*61-122*			
MATRIX SPIKES											
Laboratory ID:	03-241-03										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**46.0**	**47.7**	50.0	50.0	ND	**92**	**95**	75-125	4	15	
Toluene	**45.0**	**48.2**	50.0	50.0	ND	**90**	**96**	75-125	7	15	
Ethylbenzene	**45.1**	**48.5**	50.0	50.0	ND	**90**	**97**	75-125	7	15	
m,p-Xylene	**45.6**	**48.6**	50.0	50.0	ND	**91**	**97**	75-125	6	15	
o-Xylene	**47.5**	**49.2**	50.0	50.0	ND	**95**	**98**	75-125	4	15	
Surrogate:											
Fluorobenzene						*81*	*77*	*61-122*			
SPIKE BLANKS											
Laboratory ID:	SB0319W1										
	SB		SB			SB					
Benzene	**47.4**		50.0			**95**		81-117	NA	NA	
Toluene	**47.7**		50.0			**95**		85-116	NA	NA	
Ethylbenzene	**48.3**		50.0			**97**		84-116	NA	NA	
m,p-Xylene	**48.2**		50.0			**96**		85-115	NA	NA	
o-Xylene	**49.4**		50.0			**99**		86-116	NA	NA	
Surrogate:											
Fluorobenzene						*73*		*61-122*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

GASOLINE RANGE ORGANICS
NWTPH-Gx
CONTINUING CALIBRATION SUMMARY

Lab ID	True Value (ppm)	Calc. Value	Percent Difference	Control Limits
CCVH0319G-1	5.00	4.89	2	+/- 20%
CCVH0319G-2	5.00	4.75	5	+/- 20%
CCVH0320G-1	5.00	5.30	-6	+/- 20%
CCVG0320G-2	5.00	5.25	-5	+/- 20%

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 26, 2025
Samples Submitted: March 18, 2025
Laboratory Reference: 2503-241
Project: US0043858.1881

BTEX
EPA 8021B
CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
Benzene	CCVH0319B-1	50.0	48.3	3	+/- 20
Toluene	CCVH0319B-1	50.0	48.9	2	+/- 20
Ethylbenzene	CCVH0319B-1	50.0	49.4	1	+/- 20
m,p-Xylene	CCVH0319B-1	50.0	50.0	0	+/- 20
o-Xylene	CCVH0319B-1	50.0	50.6	-1	+/- 20
Benzene	CCVH0319B-2	50.0	48.5	3	+/- 20
Toluene	CCVH0319B-2	50.0	49.4	1	+/- 20
Ethyl Benzene	CCVH0319B-2	50.0	49.8	0	+/- 20
m,p-Xylene	CCVH0319B-2	50.0	49.6	1	+/- 20
o-Xylene	CCVH0319B-2	50.0	50.3	-1	+/- 20
Benzene	CCVH0319B-3	50.0	48.5	3	+/- 20
Toluene	CCVH0319B-3	50.0	49.2	2	+/- 20
Ethylbenzene	CCVH0319B-3	50.0	49.7	1	+/- 20
m,p-Xylene	CCVH0319B-3	50.0	49.6	1	+/- 20
o-Xylene	CCVH0319B-3	50.0	50.7	-1	+/- 20
Benzene	CCVH0320B-1	50.0	50.8	-2	+/- 20
Toluene	CCVH0320B-1	50.0	52.0	-4	+/- 20
Ethylbenzene	CCVH0320B-1	50.0	52.9	-6	+/- 20
m,p-Xylene	CCVH0320B-1	50.0	53.0	-6	+/- 20
o-Xylene	CCVH0320B-1	50.0	53.0	-6	+/- 20
Benzene	CCVH0320B-2	50.0	50.0	0	+/- 20
Toluene	CCVH0320B-2	50.0	51.2	-2	+/- 20
Ethylbenzene	CCVH0320B-2	50.0	52.1	-4	+/- 20
m,p-Xylene	CCVH0320B-2	50.0	51.8	-4	+/- 20
o-Xylene	CCVH0320B-2	50.0	52.3	-5	+/- 20
Benzene	CCVG0320B-3	50.0	50.8	-2	+/- 20
Toluene	CCVG0320B-3	50.0	51.8	-4	+/- 20
Ethylbenzene	CCVG0320B-3	50.0	52.5	-5	+/- 20
m,p-Xylene	CCVG0320B-3	50.0	52.5	-5	+/- 20
o-Xylene	CCVG0320B-3	50.0	52.8	-6	+/- 20

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: WSP, USA
Project Number: US00043858.1881
Project Name: City of Des Moines Public Works
Project Manager: Leah Vigoren
Sampled by: Jacklyn Perkins

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 03-241

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	MS/MSD				% Moisture
1	MW-4-031825	3/18	0950	AQ	3		X																				
2	MW-5-031825	↓	1040	↓	3		X																				
3	MW-6-031825		1140		6		X																X				
4	MW-3-031825		1230		3		X																				
5	MW-13-031825		13:45		3		X																				
6	MW-15-031825		14:30		3		X																				
7	MW-14-031825		15:30		3		X																				
8	MW-DUP-031825	↓	00:00	↓	3		X																				
9	Trip Blanks	—	—	AQ	3		X																				

	Signature	Company	Date	Time
Relinquished		WSP	3/18	17:30
Received		CBE	3/18/18	1730
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
• spike blank analysis on all organics

Data Package: Standard ☐ Level III ☐ Level IV ☒
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

Sample/Cooler Receipt and Acceptance Checklist

Client: WSP

Client Project Name/Number: US0043858.1881

OnSite Project Number: 03-241

Initiated by: MV

Date Initiated: 3/18/25

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature: 0
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)		
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup / Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	(Yes)	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	(Yes)	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	(Yes)	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	(#)		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

//SERVER\OSE\Administration\forms\cooler_checklist.xls

Memo

To:	Leah Vigoren	Project:	US0043858.1881
From:	Jacklyn Perkins	c:	Project File
Tel:	(425) 608-1907		
Fax:			
Date:	April 4, 2025		

Subject: City of Des Moines Public Works 1st Quarter 2025 Groundwater Sampling Summary Data Quality Review, Sample Delivery Group 2503-241

This memorandum presents a summary data quality review for analyses of seven primary groundwater samples, and one groundwater sample duplicate collected on March 18, 2025; all samples were collected from the City of Des Moines Public Works Maintenance Facility in Des Moines, Washington. A trip blank associated with this sample delivery group was submitted to the laboratory on March 18, 2025. WSP submitted samples to OnSite Environmental, Inc. (OnSite), in Redmond, Washington, a laboratory accredited by the Washington State Department of Ecology. Upon receipt by OnSite, the sample jar information was compared to the chain-of-custody form. The temperatures of the coolers were recorded as part of the check-in procedure and were below the maximum acceptable temperature of 6 degrees Celsius.

The samples were analyzed for the following analytes:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by United States Environmental Protection Agency (EPA) Method 8021B; and
- Total petroleum hydrocarbons as gasoline (TPH-G) by Washington State Department of Ecology Method NWTPH-Gx.

The samples and the analyses performed on the samples are presented below.

Sample Location	Field Sample ID	Laboratory Sample ID	Requested Analyses
MW-4	MW-4-031825	03-241-01	All
MW-5	MW-5-031825	03-241-02	All
MW-6	MW-6-031825	03-241-03	All
MW-3	MW-3-031825	03-241-04	All
MW-13	MW-13-031825	03-241-05	All
MW-14	MW-14-031825	03-241-07	All
MW-15	MW-15-031825	03-241-06	All
MW-14	MW-DUP-031825	03-241-08	All
Trip Blank	Trip Blank	03-241-09	All

WSP performed a Stage 2A validation of the data provided by OnSite. The Stage 2A review includes review of the quality control (QC) results in the laboratory's analytical reports but does not include review or validation of the analytical instrument performance or raw analytical data. This data quality review has been performed in general accordance with the National Functional Guidelines for Superfund Organic Methods Data Review (EPA, 2020).

The laboratory's certified analytical report and supporting documentation were reviewed to assess data package deliverable completeness; compliance with chain-of-custody and holding-time criteria; presence or absence of laboratory contamination as demonstrated by laboratory blanks; accuracy and bias as demonstrated by recovery of laboratory control samples (LCS), matrix spike (MS) samples, and surrogate spikes; analytical precision as the relative percent difference (RPD) of analyte concentrations between laboratory duplicates, MS and MS duplicates

WSP USA Inc. (WSP)
18300 Redmond Way, Ste 200
Redmond, WA 98052
425-883-0777
wsp.com

(MSDs), and field duplicates; reporting limits; laboratory flags; and conformance to analytical method requirements.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error. If data qualification was required, data were qualified in general accordance with the definitions and use of data qualifier flags outlined in the EPA guidance document (EPA, 2020).

The following qualifiers may be added to the data:

- U: The analyte was analyzed for but was not detected above the reported sample quantitation limit.
- J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample, with a possible high bias.
- UJ: The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R: The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ORGANIC ANALYSES

Samples were analyzed for BTEX and TPH-G by the methods introduced above, and results were evaluated for the following quality assurance/QC criteria:

1. Holding Times – Acceptable
2. Laboratory Blank – Acceptable
3. Trip blank – Acceptable
4. LCS Accuracy – Acceptable
5. Laboratory Duplicates – Acceptable
6. MS/MSD – Acceptable
7. Surrogate Recoveries – Acceptable
8. Data Reporting and Analytical Procedures – Acceptable
9. Field Duplicates – Acceptable

   One field duplicate was submitted for each analysis during this sampling event. Primary and duplicate results are summarized in the table below. The RPD is not calculated if both the primary and duplicate results are not five times greater than the reporting limit of the primary sample, as indicated in the table below by "NC." In these instances, the absolute value of the difference between the primary and field duplicate should not exceed the reporting limit.

Sample ID/ Field Duplicate ID	Analyte	Primary Results (µg/L)	Duplicate Results (µg/L)	Reporting Limit (µg/L)	RPD (%)
MW-14-031825/ MW-DUP-031825	Benzene	430	440	1.0	2.3
	Toluene	12	14	1.0	15
	Ethylbenzene	260	260	1.0	0
	m,p-Xylene	320	330	1.0	3.1
	o-Xylene	3.9	4.7	1.0	NC
	TPH-G	3200	3500	100	9

Abbreviations:
µg/L = micrograms per liter
NC = not calculated
ND = not detected at practical quantitation limit
RPD = relative percent difference
TPH-G = total petroleum hydrocarbons as gasoline

10. Laboratory Flags and Reporting Limits – Acceptable

OVERALL ASSESSMENT OF DATA

The OnSite Sample Delivery Group 2503-241 is 100 percent complete. No problems were identified, and analytical performance was within specified limits. No data were rejected or qualified during validation, and the data are considered to be fully usable.

REFERENCES

U.S. Environmental Protection Agency (EPA), 2020, U.S. EPA National Functional Guidelines for Superfund Organic Methods Data Review: EPA 540-R-20-005, November.

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 8, 2025

Leah Vigoren
WSP USA Inc.
18300 Redmond Way, Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project US0043858.1881
Laboratory Reference No. 2506-392

Dear Leah:

Enclosed are the analytical results and associated quality control data for samples submitted on June 27, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 8, 2025
Samples Submitted: June 27, 2025
Laboratory Reference: 2506-392
Project: US0043858.1881

Case Narrative

Samples were collected on June 27, 2025 and received by the laboratory on June 27, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 8, 2025
Samples Submitted: June 27, 2025
Laboratory Reference: 2506-392
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4-062725**					
Laboratory ID:	06-392-01					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*62-122*				
Client ID:	**MW-5-062725**					
Laboratory ID:	06-392-02					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*62-122*				
Client ID:	**MW-6-062725**					
Laboratory ID:	06-392-03					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*90*	*62-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 8, 2025
Samples Submitted: June 27, 2025
Laboratory Reference: 2506-392
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3-062725**					
Laboratory ID:	06-392-04					
Benzene	**1.2**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*98*	*62-122*				
Client ID:	**MW-13-062725**					
Laboratory ID:	06-392-05					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*62-122*				
Client ID:	**MW-15-062725**					
Laboratory ID:	06-392-06					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*62-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 8, 2025
Samples Submitted: June 27, 2025
Laboratory Reference: 2506-392
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-14-062725**					
Laboratory ID:	06-392-07					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*62-122*				
Client ID:	**MW-DUP-062725**					
Laboratory ID:	06-392-08					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*62-122*				
Client ID:	**Trip Blanks**					
Laboratory ID:	06-392-09					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*62-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 8, 2025
Samples Submitted: June 27, 2025
Laboratory Reference: 2506-392
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0701W3					
Benzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Toluene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Ethylbenzene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
m,p-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
o-Xylene	**ND**	1.0	EPA 8021B	7-1-25	7-1-25	
Gasoline	**ND**	100	NWTPH-Gx	7-1-25	7-1-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*62-122*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 8, 2025
Samples Submitted: June 27, 2025
Laboratory Reference: 2506-392
Project: US0043858.1881

GASOLINE RANGE ORGANICS/BTEX
NWTPH-Gx/EPA 8021B
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-392-03										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethylbenzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*90*	*91*	*62-122*			
MATRIX SPIKES											
Laboratory ID:	06-392-03										
	MS	MSD	MS	MSD		MS	MSD				
Benzene	**45.5**	**42.9**	50.0	50.0	ND	**91**	**86**	75-125	6	15	
Toluene	**43.5**	**41.1**	50.0	50.0	ND	**87**	**82**	75-125	6	15	
Ethylbenzene	**46.0**	**44.5**	50.0	50.0	ND	**92**	**89**	75-125	3	15	
m,p-Xylene	**46.3**	**44.9**	50.0	50.0	ND	**93**	**90**	75-125	3	15	
o-Xylene	**46.2**	**44.6**	50.0	50.0	ND	**92**	**89**	75-125	4	15	
Surrogate:											
Fluorobenzene						*100*	*93*	*62-122*			
SPIKE BLANKS											
Laboratory ID:	SB0701W1										
	SB		SB			SB					
Benzene	**47.2**		50.0			**94**		80-120	NA	NA	
Toluene	**45.3**		50.0			**91**		80-116	NA	NA	
Ethylbenzene	**48.8**		50.0			**98**		81-117	NA	NA	
m,p-Xylene	**49.2**		50.0			**98**		81-116	NA	NA	
o-Xylene	**49.5**		50.0			**99**		81-116	NA	NA	
Surrogate:											
Fluorobenzene						*93*		*62-122*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: WSP, USA
Project Number: US0043858.1881
Project Name: City of Des Moines
Project Manager: Leah Vigoren
Sampled by: Jacklyn Perkins

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 06-392

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021 ☒ 8260 ☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	MS/MSD				% Moisture
1	MW-4-062725	6/27	10:00	AQ	3		X																				~~X~~
2	MW-5-062725	↓	10:45	↓	3		↓																				↓
3	MW-6-062725		11:45		6																		X				
4	MW-3-062725		12:15		3																						
5	MW-13-062725		14:00		3																						
6	MW-15-062725		14:30		3																						
7	MW-14-062725		15:40		3																						
8	MW-DUP-062725	↓	00:00		3																						
9	Trip Blanks	—	—	↓	3		↓																				

	Signature	Company	Date	Time
Relinquished		WSP	6/27/25	17:25
Received		OSE	6/27/25	1725
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
- spike blank analysis on all organics

Data Package: Standard ☒ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

APPENDIX D

DISCHARGE MONITORING REPORTS

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# ST0007451 - DMR Submission Id: 1956663 - 11/8/2024 3:12:34 PM

Company Name	Signer Name	System Name
WSP	Leah Vigoren	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for WSP	Copy of Record WSP Friday November 8 2024

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

uYXMPF+qk9e8hh7XxRMRlWtOWiY3FF43N9Wyn/xxvmV3NeFwV2j61xf4plpdgeaxTqU
+Uiw9giJDOXTqSAB6yl3NIOxsQSEKZg3EDWw6m5w=

Report Received: 2024-11-08 15:12
Page 1 of 1 Pages

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: ST0007451 **Permittee:** DES MOINES DEPT OF PUBLIC WORKS

Facility County: King **Receiving Waterbody:**

Monitoring Period: 07/01/2024 - 09/30/2024 **Outfall:** 001 - Midway Sewer District WWTP **Version:** 1

Week	Monitoring Point	Flow Gallons/Day (gpd) Monthly Metered/Recorded	pH Standard Units Quarterly Metered/Recorded	Benzene Micrograms/L (ug/L) Quarterly Grab	BTEX (benzene +toluene + ethylybenzene + xylene) Micrograms/L (ug/L) Quarterly Grab	NWTPHGx Gasoline (NWTPH Gx) (volatile) Milligrams/L (mg/L) Quarterly Grab	Lead Total Micrograms/L (ug/L) Quarterly Grab
		001	001	001	001	001	001
Daily Minimum							
			>= 5.0 (RO)				
Daily Maximum							
			<= 10.0 (RO)	<= 5 (RO)	<= 100 (RO)	<= 1 (RO)	<= 15 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Leah Vigoren
Signature

11/8/2024 3:12:31 PM
Date

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebDMR - Permit# ST0007451 - DMR Submission Id: 1956667 - 11/8/2024 3:18:01 PM

Company Name	Signer Name	System Name
WSP	Leah Vigoren	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for WSP	Copy of Record WSP Friday November 8 2024

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only

UjWLKkY548bGC5Ll71OAciZN23dE4VVIX9zCUUxI03FOubZR9geXNQzKv0ru6VN5gJcpfce3ifv0uJcCkZmrWXr1eB7gJ688/Dg0fvOZnrE=

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: ST0007451 **Permittee:** DES MOINES DEPT OF PUBLIC WORKS

Facility County: King **Receiving Waterbody:**

Monitoring Period: 10/01/2024 - 12/31/2024 **Outfall:** 001 - Midway Sewer District WWTP **Version:** 1

Week	Monitoring Point	Flow Gallons/Day (gpd) Monthly Metered/Recorded	pH Standard Units Quarterly Metered/Recorded	Benzene Micrograms/L (ug/L) Quarterly Grab	BTEX (benzene +toluene + ethylybenzene + xylene) Micrograms/L (ug/L) Quarterly Grab	NWTPHGx Gasoline (NWTPH Gx) (volatile) Milligrams/L (mg/L) Quarterly Grab	Lead Total Micrograms/L (ug/L) Quarterly Grab
		001	001	001	001	001	001
Daily Minimum							
			>= 5.0 (RO)				
Daily Maximum							
			<= 10.0 (RO)	<= 5 (RO)	<= 100 (RO)	<= 1 (RO)	<= 15 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

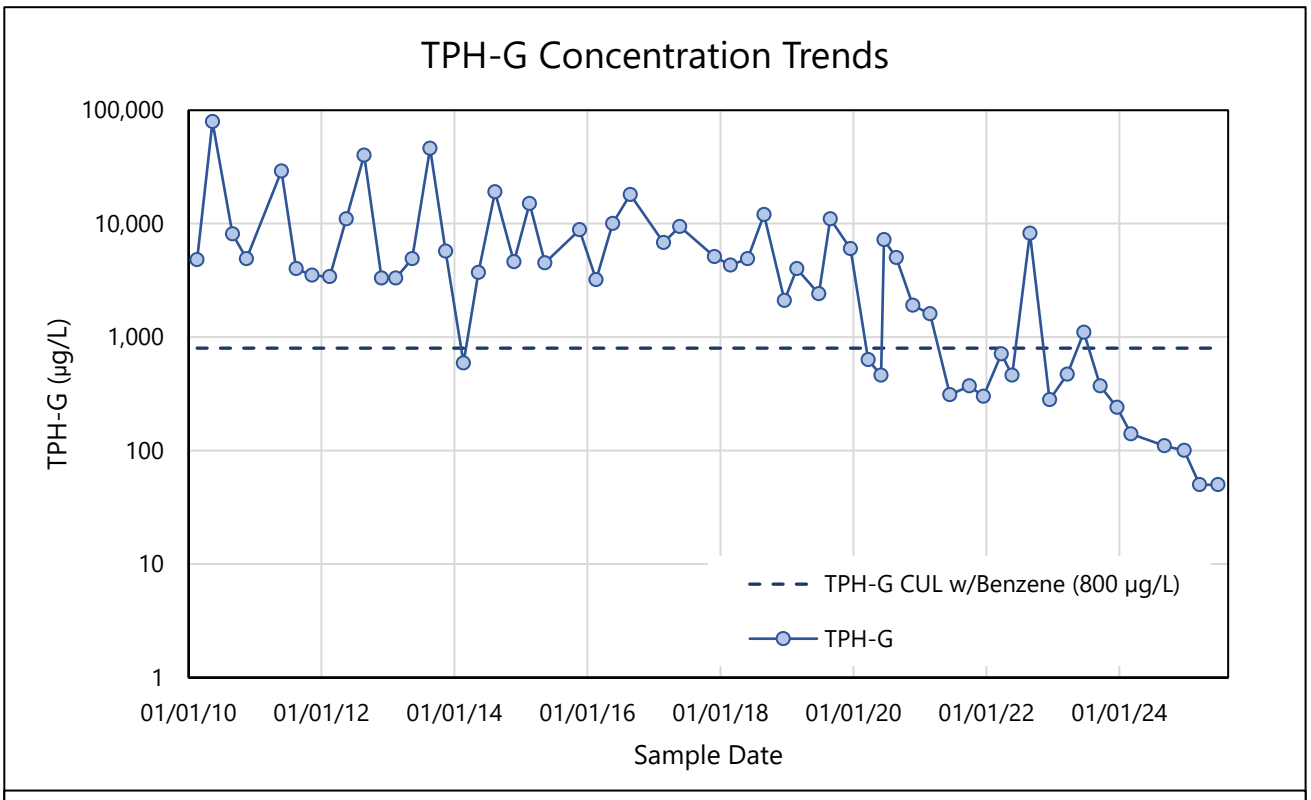
Leah Vigoren
Signature

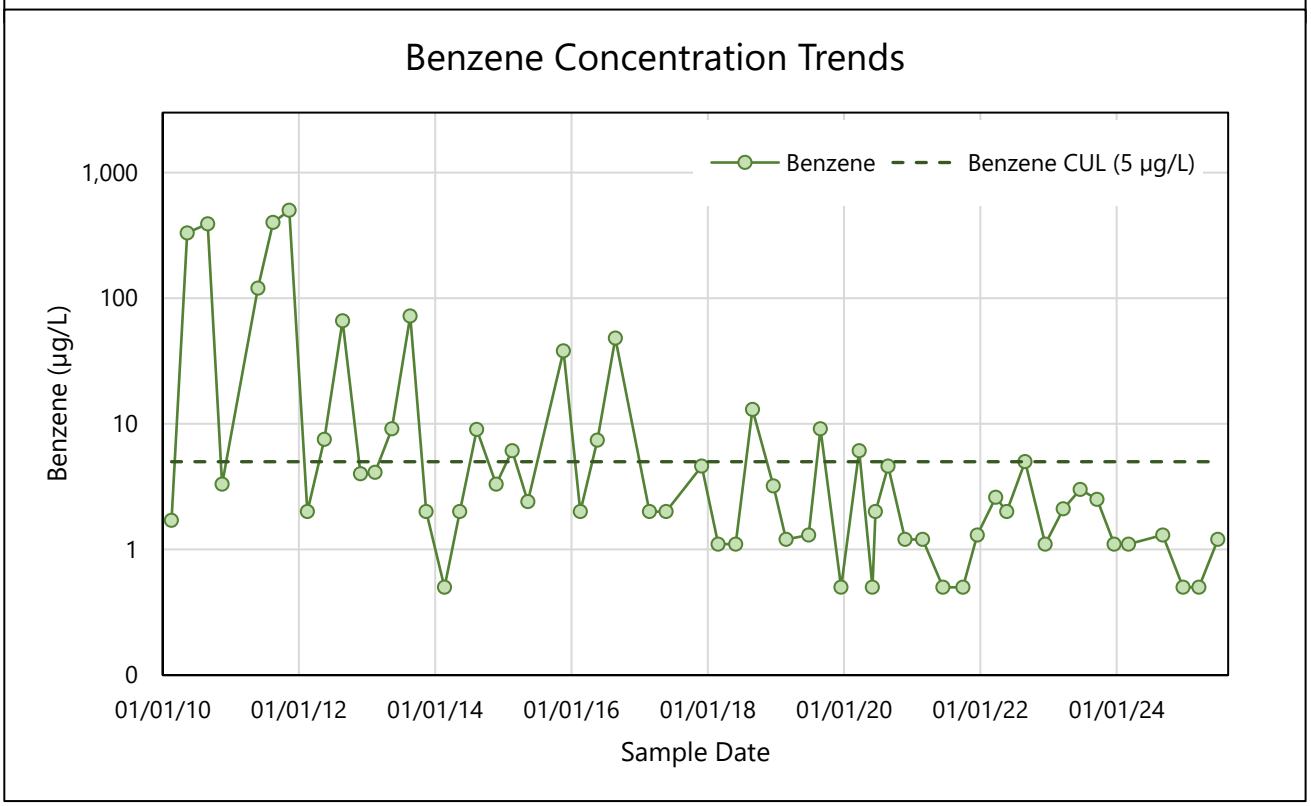
11/8/2024 3:17:59 PM
Date

APPENDIX E

HISTORICAL TREND PLOTS FOR TPH-G AND BENZENE

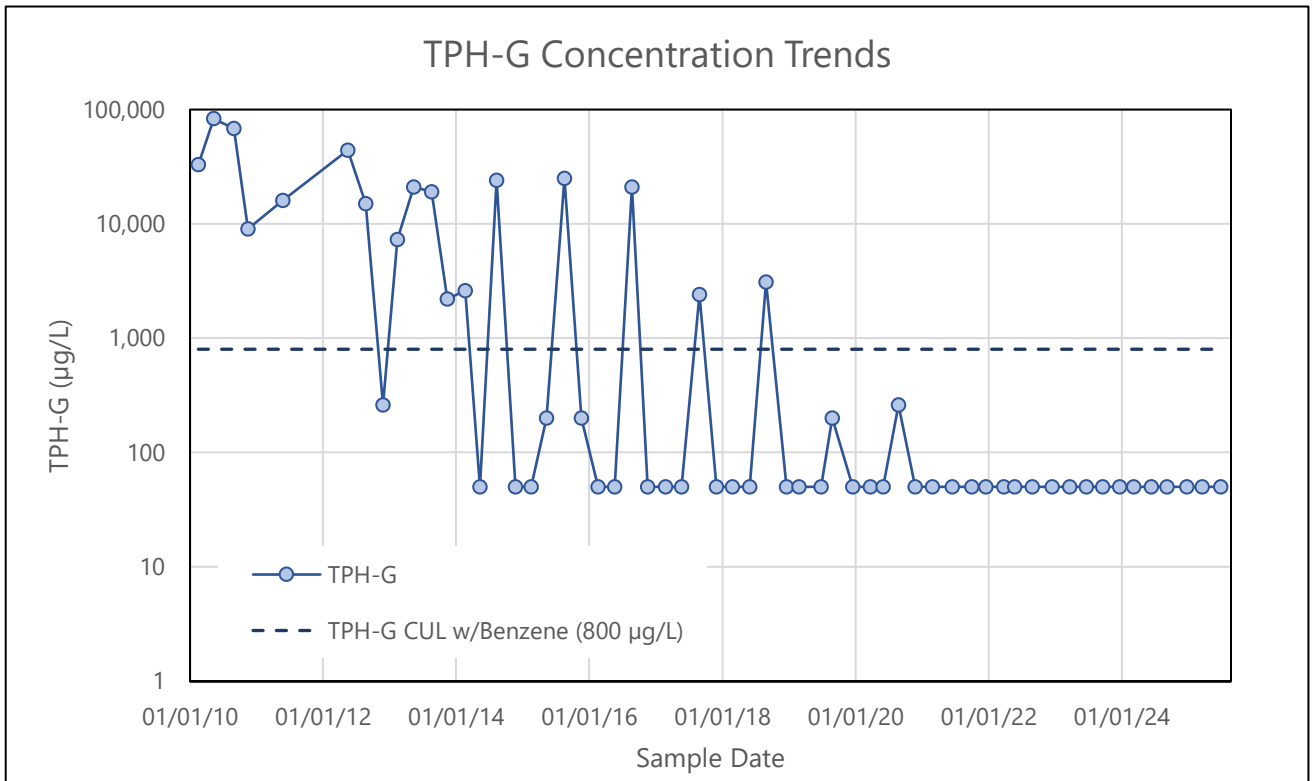
https://wsponlinenam.sharepoint.com/sites/US-City-of-Des-Moine/Shared Documents/Reports/Trend Plots/00_Des Moines Trend Plots thru 20

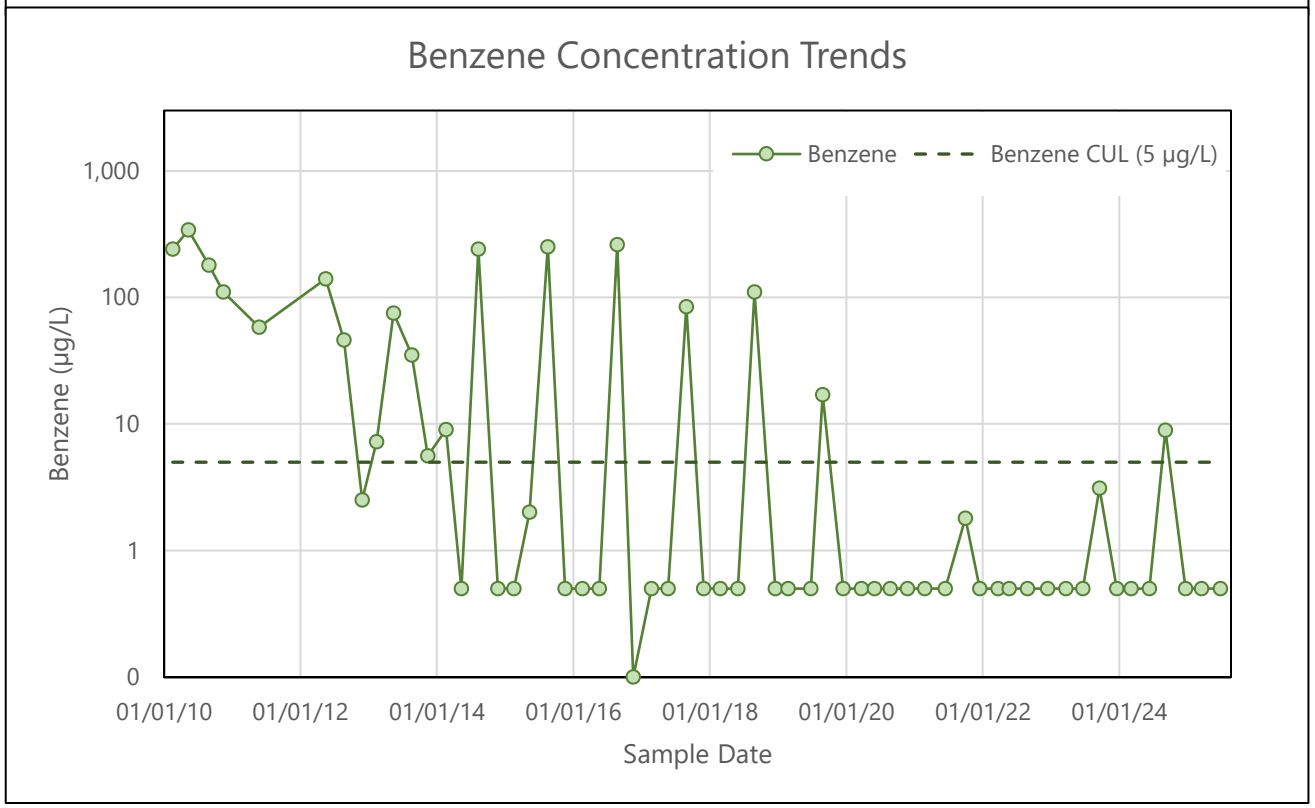




Note: non-detected values shown at one-half the reporting limit

wsp	MW-3 HISTORICAL TREND PLOTS TPH-G AND BENZENE City of Des Moines Public Works	Project No. US0043858.188 Figure E-1

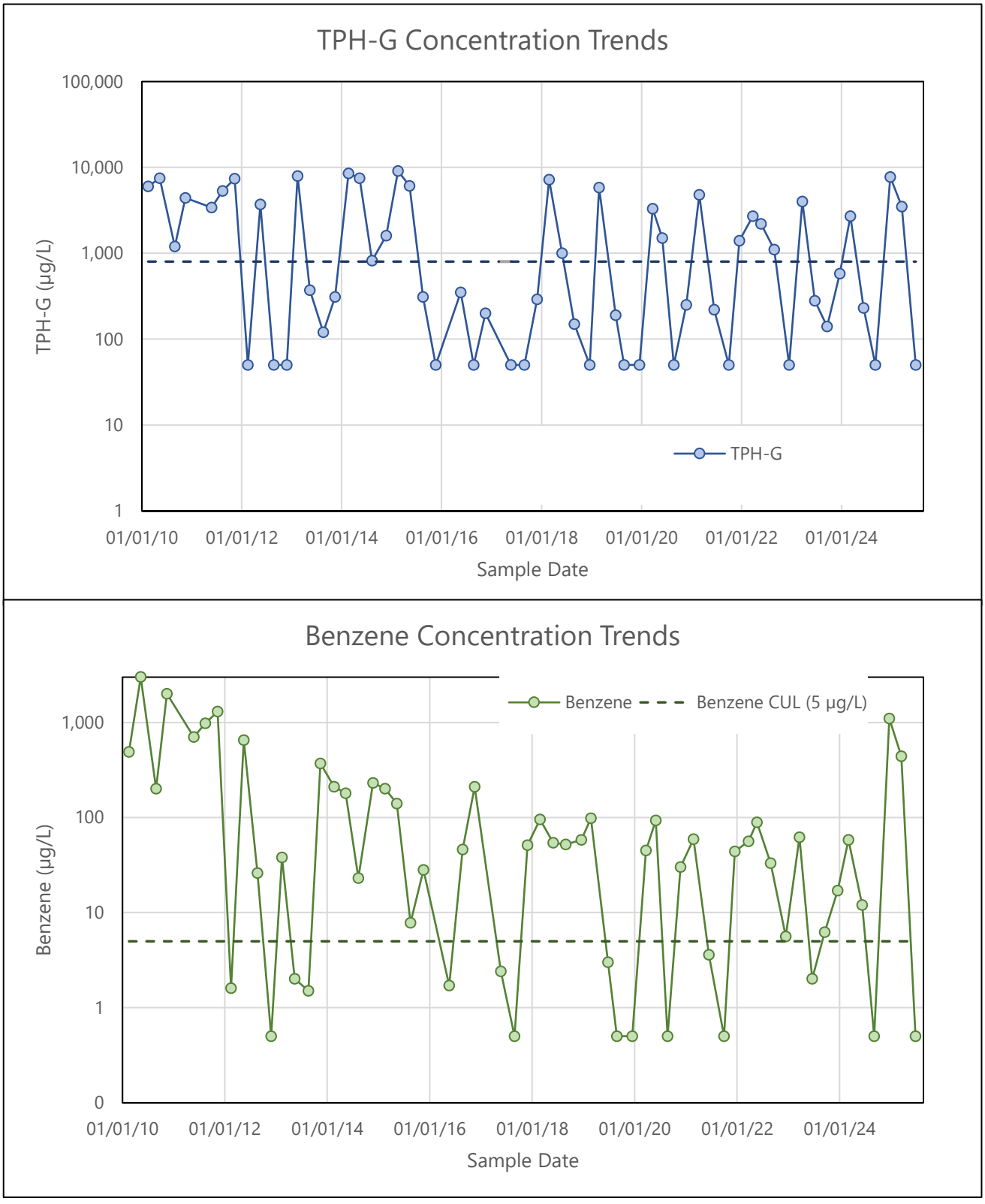




Note: non-detected values shown at one-half the reporting limit

wsp	MW-13 HISTORICAL TREND PLOTS TPH-G AND BENZENE City of Des Moines Public Works	Project No. US0043858.188 Figure E-2

C:\Users\USAL717121\Desktop\20250805\Jacklyn\Appendix E (trend plots)\00_Des Moines Trend Plots thru 06272025.xlsx



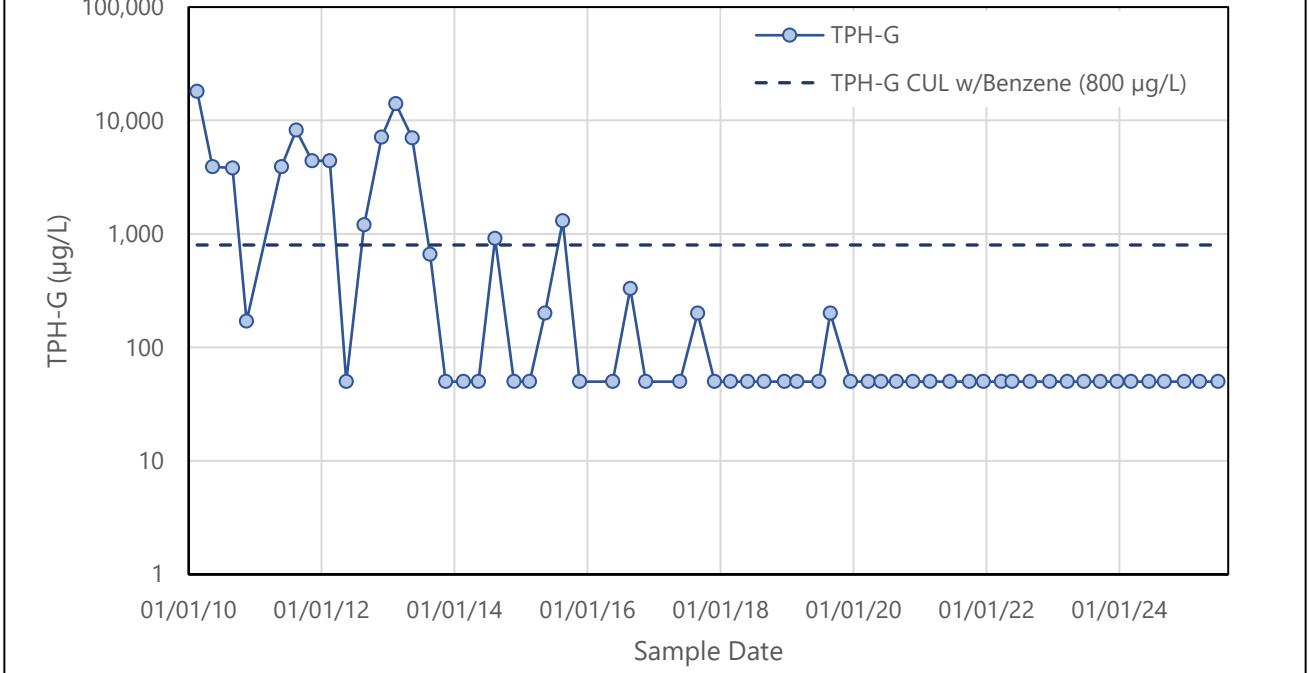
Note: non-detected values shown at one-half the reporting limit

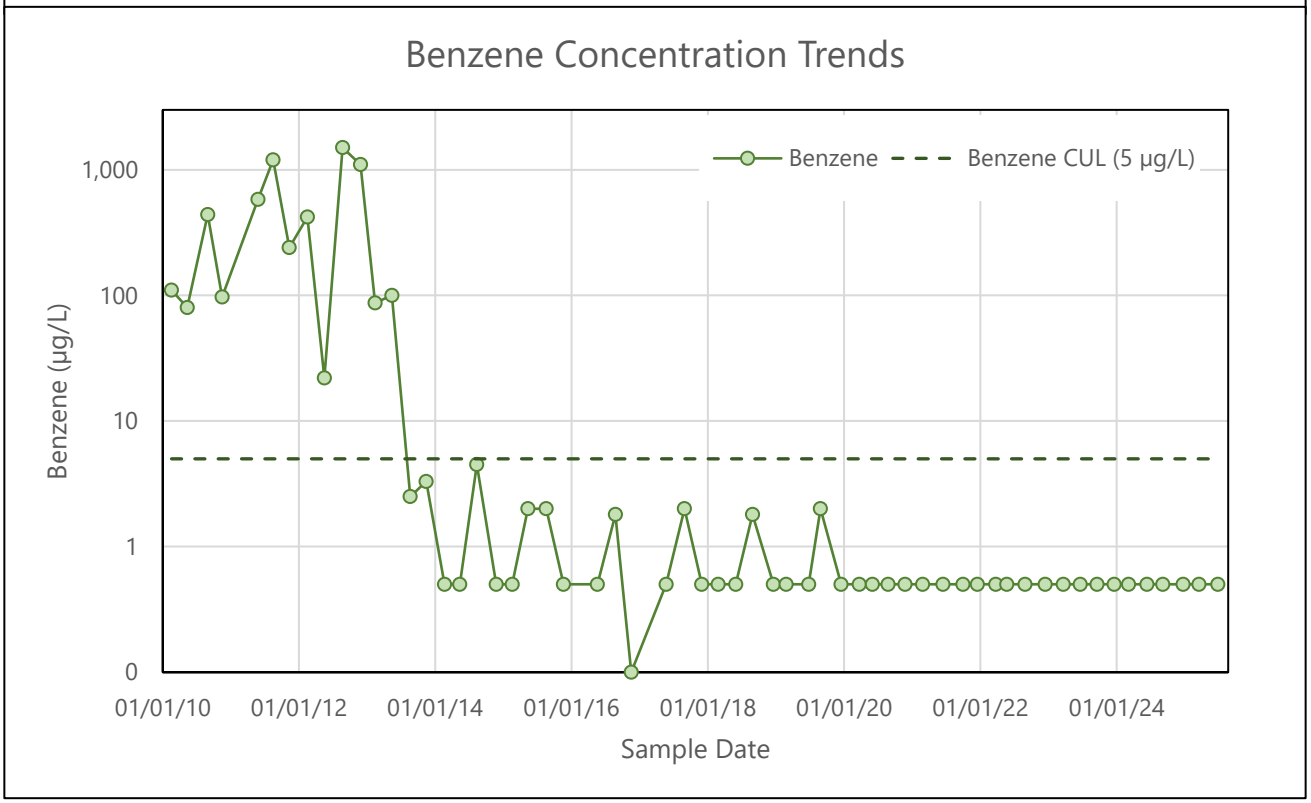
MW-14 HISTORICAL TREND PLOTS
TPH-G AND BENZENE
City of Des Moines Public Works

Project No.
US0043858.188

Figure
E-3

C:\Users\USAL717121\Desktop\20250805\Jacklyn\Appendix E (trend plots)\00_Des Moines Trend Plots thru 06272025.xlsx





Note: non-detected values shown at one-half the reporting limit

MW-15 HISTORICAL TREND PLOTS
TPH-G AND BENZENE
City of Des Moines Public Works

Project No.
US0043858.188

Figure
E-4

C:\Users\USAL717121\Desktop\20250805\Jacklyn\Appendix E (trend plots)\00_Des Moines Trend Plots thru 06272025.xlsx

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Barnes Creek Trail Project - Joint Utility Trench Agreement with Comcast**

ATTACHMENTS:
1. Joint Utility Trench Agreement
2. CIP Budget Sheet

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Public Works

DATE SUBMITTED:
August 17, 2026

CLEARANCES:
Finance
Public Works

Purpose and Recommendation

The purpose of this agenda item is to seek City Council approval for a Joint Trench Utility Agreement with Comcast (Attachment 1) for construction related to the Barnes Creek Trail (South 240th Street – 16th Ave S to 20th Ave S) Project. The following motion will appear on the Consent Agenda:

Motion: "I move to approve the Joint Trench Utility Agreement with Comcast for the Barnes Creek Trail Project and further authorize the City Manager to sign said Joint Trench Utility Agreement substantially in the form as submitted."

Strategic Plan Priority

Natural and Built Environment

Background

The Barnes Creek Trail – South 240th Street Improvements Project is a key infrastructure initiative that connects two critical elements of the City of Des Moines' long-term transportation plans. It will complete the unfinished South Segment of the Barnes Creek Trail between 16th Ave S and Highline College, as well as Segment 2 of the South 240th Street Corridor Improvements between 16th Ave S and 20th Ave S.

During the project's design phase, City staff met with utility providers (including Comcast) to share the proposed plans. The City asked them to identify any potential

utility conflicts with the planned improvements and requested their input and coordination to resolve issues early and avoid construction delays.

Comcast owns and operates communication utilities under a franchise agreement along South 240th Street. During the utility coordination, Comcast was notified of the City's intent to relocate the aerial utilities to an underground joint trench shared with the City and PSE. Comcast agreed to pay a fair and reasonable share of the cost to move their facilities underground into the joint utility trench.

Discussion

A Joint Utility Trench Agreement to incorporate Comcast's facilities into the City project would be mutually beneficial. This would allow the construction of the project to be less disruptive to the public than if Comcast undertook their undergrounding work separately, as there is limited available space within the existing right-of-way due to other utility facilities such as Highline water lines and City stormwater conveyance pipes and basins.

Comcast agrees to re-imburse the City for the actual and reasonable cost share for specific bid items under Schedule D "Franchise Utility Improvements" attached in Exhibit A.

Alternatives

The City Council could elect not to enter into a Joint Utility Trench Agreement with Comcast. Comcast would then have to find a suitable underground pathway for their facilities and extensive delays to the project would result as the existing utility poles would not be able to be removed until underground facilities have been placed. Additionally, the City would not want to see the planned newly installed pavement or sidewalk removed to place Comcast facilities underground causing additional roadway and sidewalk closures to the public.

Financial Impact

The City's adopted CIP Budget Worksheet (Attachment 2) assumes revenue from Comcast to help support the Schedule D bid items of the construction contract.

Recommendation

Staff recommends adoption of the motion.

JOINT UTILITY TRENCH AGREEMENT

Between the City of Des Moines and Comcast
for the
Barnes Creek Trail South Segment
South 240th Street – 16th Avenue to 20th Avenue

THIS joint utility trench agreement (the "Agreement ") is entered into between the City of Des Moines, a Washington municipal corporation ("City"), and Comcast Cable Communications Management, LLC, a Delaware limited liability company ("Comcast"). This Agreement may refer to Comcast or to City each as a "Party" or together as the "Parties" to this Agreement.

RECITALS

WHEREAS, the City is undertaking a capital improvement project known as the Barnes Creek Trail South Segment – South 240th Street – 16th to 20th . (hereinafter referred to as the "Project"); and

WHEREAS, Comcast owns and operates certain utilities located along South 240th Street right-of-way and within and adjacent to the limits of the Project and Comcast has a franchise agreement with the City to operate in said right-of-way; and

WHEREAS, it is the City's belief that pursuant to the franchise agreement adopted by Ordinance 1327, (effective date of August 30, 2003), the right-of-way improvements require Comcast to underground its facilities that are currently located above ground; and

WHEREAS, relocation requires trenching within the right-of-way and the Parties recognize the efficiencies of entering into an agreement whereby one trench will be dug for all of the affected parties to relocate their facilities; and

WHEREAS, integrating Comcast's work into the City's Project would be more expedient, less expensive, and less disruptive to the public than undertaking both the City's and Comcast's projects separately; and

WHEREAS, the Parties mutually desire to establish a formal arrangement under which Comcast will pay the City in exchange for the City's incorporating Comcast's work into the City's Project; and

WHEREAS, the Parties desire to enter into this Agreement for the purpose of defining their respective rights, obligations, costs and liabilities regarding this undertaking; and

WHEREAS, the City Council of the City of Des Moines has taken appropriate action to approve the City's entry into this Agreement; and

WHEREAS, Comcast has taken appropriate action to approve Comcast's entry into this Agreement;

NOW THEREFORE, in consideration of the terms, conditions, covenants and performances contained herein, or attached and incorporated and made part hereof, the Parties agree as follows:

AGREEMENT

1. SCOPE OF WORK.

The City will advertise for construction bids and enter into a contract with Contractor (hereinafter defined) for the construction of a joint utility trench (the "JUT") which shall include power and/or communication facilities for the City, Comcast, and PSE. The JUT will generally be constructed along the south side of South 240th Street between 16th Avenue and 20th Avenue South.

2. TERM AND TERMINATION.

This Agreement shall commence on August 27, 2026 (the "Effective Date") and shall continue for a period of 24 (twenty-four) months, unless earlier terminated pursuant to this Agreement.

In the event that either Party materially defaults in the performance of its obligations herein, notice shall be given by the non-defaulting Party of its intent to terminate the Agreement for cause, to be effective thirty (30) days thereafter, unless that cause is cured within thirty (30) days after the defaulting Party receives such notice, provided, however that a longer period is permitted by agreement of the Parties or if such cure requires a longer period and the defaulting Party continues to diligently pursue such cure.

3. CONTRACTOR REQUIREMENTS.

The independent contractor hired by the City to perform this work shall be referred to as "Contractor" in this Agreement. Contractor, pursuant to a contract with the City, shall excavate the JUT, install City, PSE, and Comcast facilities, install the bedding material, backfill and compact the JUT, and perform any restoration required by the City, all to be performed in a good and workmanlike manner consistent with industry standards. The City represents that any such contract shall further require of Contractor that the work be conducted in conformity with (i) the applicable procedures and requirements of the Parties as described herein; (ii) all applicable laws, ordinances and regulations of any governmental authority, and; (iii) all applicable terms and provisions of the National Electric Safety Code, as may be amended, supplemented or replaced from time to time, including but not limited to those pertaining to protection and separation of conductors buried in earth.

4. RESPONSIBILITIES OF THE PARTIES.

A. **Comcast**

1. Comcast shall provide to the City, and assume full responsibility for, engineering drawings, specifications, construction standards, and quantities in accordance with acceptable industry standards and City Franchise. The drawings shall show in detail

the location and elevation of the conduits, JUT, and vaults, and shall include a general traffic control plan for activities not associated with installation of facilities within the Contractor controlled JUT area.

2. Comcast shall obtain a permit from the City for the underground relocation of Comcast's facilities.

3. Comcast shall be responsible for supplying all materials necessary for the construction or installation of its new conduit and vault system within the JUT area. Comcast will deliver all of these materials to the job site for installation by Contractor. Comcast will arrange with Contractor any required material storage and/or security until the materials are installed.

4. Comcast shall, after receiving notice from the City, provide inspection services needed for overseeing the proper installation of its new conduit and vault system within the JUT area. Any problems identified by Comcast during the installation shall be promptly reported to the City. Comcast shall cooperate in providing timely inspections so that progress of the work is not delayed.

5. Final Inspection and Acceptance. When Comcast's new conduit and vault system within the JUT area is completed by Contractor, the City will provide Comcast written notice of its completion and request "Final Inspection" and "Acceptance" from Comcast. Provided that the proper pull rope is placed inside Comcast conduits by Contractor during placement, within fourteen (14) calendar days of the City's notice Comcast will complete a Final Inspection of the new system. Comcast shall give notice of Acceptance to the City within three (3) working days of completing the Final Inspection. In the event that Comcast determines that the work has not been completed per design, Comcast shall specify in writing what work remains to be done or what corrections need to be made, also within three (3) working days of completing Final Inspection. The City will notify Comcast when such identified items are completed, where upon Comcast shall again commence Final Inspection under the process set forth herein. Comcast shall not begin work on the conduit and vault system inside or outside of the JUT area, until the notice of Final Acceptance has been provided to the City. Comcast shall be responsible for any delay costs incurred by the City resulting solely from Comcast's failure to meet the Final Inspection and Acceptance schedule.

6. Schedule for Comcast Relocation Work. Following Comcast's Final Acceptance of the new conduit and vault system within the JUT area, Comcast will have twenty-two (22) working days to initiate placement of its facilities and request activation of its Power Supplies by PSE. Upon activation of Power Supplies by PSE, a second twenty-two (22) working day period will commence during which Comcast will complete placement of facilities, need additional 4 weeks to schedule and make necessary cut-overs, and 1 week to remove overhead facilities.

7. Comcast shall provide and install all other conduits, vaults, equipment, and other materials necessary for Comcast located outside of the JUT area.

8. Comcast will provide all materials and labor to install its facilities in the new conduit and vault system within the JUT (including, but not limited to splicing cable; performing cut-over of and transferring existing Comcast customers and facilities to the new underground system where applicable; and removing existing Comcast facilities that) as well as work outside the JUT area (including, but not limited to, labor to perform service cutover from the existing system to the newly constructed system). Comcast will be responsible for providing all traffic control associated with the pulling of Comcast cables and associated equipment, and the removal of Comcast's existing facilities. Traffic control and other permits needed for pulling cables and installing other associated equipment will be obtained from the City by Comcast. The Parties understand and agree that these materials and any labor to complete work pursuant to this subsection are outside the scope of this Agreement and not subject to prevailing wage laws and requirements or Build America, Buy America, Buy American, or similar domestic preferencing requirements imposed by federal law or the FHWA, including, but not limited to FHWA federal funding requirements and 23 CFR 635.410.

9. Comcast will notify the City in writing when Comcast's installation of its facilities within the JUT area is complete and the system has been activated.

10.

11. Comcast will pay its proportionate share of the JUT costs as described in Section 5 of this Agreement.

12. All rights, title, and interest in and to the portion of the facilities and associated equipment installed by Comcast or by Contractor on Comcast's behalf, including any associated equipment, shall at all times remain with Comcast. The Parties hereto acknowledge and agree that Comcast shall in no event be required to remove its respective, affected aerial facilities prior to completion of the underground facilities in accordance with this Agreement.

13. Comcast shall maintain continued coordination with the City and Contractor regarding the installation of Comcast's facilities. This coordination shall include, but not be limited to, the following:

    a. Comcast representatives shall attend the pre-construction meeting.
    b. Comcast representatives shall attend weekly construction meetings.
    c. Comcast representatives shall provide timing of when and where its materials will be delivered to the job site.
    d. Comcast shall provide a project schedule, including time and duration of work, for Comcast work to install facilities not associated with the JUT area.
    e. Comcast shall coordinate with other utility companies included in the JUT solely with respect to the placement of its facilities. This may include the stacking of conduits with another utility, and locating conduits below or around other vaults.

B. **City**

1. The City shall prepare drawings and specifications for excavation of the JUT. The

City will advertise for bids, evaluate bids, award a contract, and monitor Contractor's activities.

2. The City's contract shall provide for all necessary excavation, bedding, backfill, off-site disposal, and site restoration for the Project, along with the coordination of other utilities participating in the Project. The City shall be reimbursed by Comcast for Comcast's proportionate share of the JUT costs as described in Section 5 of this Agreement.
3. Contractor shall install Comcast provided vault and conduit materials necessary for the supporting structure within the JUT area. Upon completion of the new conduit and vault system within the joint utility area, Contractor will proof the duct and leave a pull-rope in place. The City shall be reimbursed by Comcast for the costs of installing the Comcast provided materials as described in Section 5 of this Agreement.
4. Contractor shall provide all flagging and traffic control for the JUT excavation and backfilling activity. The City shall be reimbursed by Comcast for Comcast's proportionate share of flagging and traffic control costs associated with the JUT construction as described in Section 5 of this Agreement.
5. The City shall document quantities as Contractor proceeds with excavation, installation, and backfill and will provide detailed invoices to Comcast for work undertaken in connection with this Agreement.
6. The City shall maintain continued coordination with Comcast regarding the installation of Comcast's facilities. This coordination shall include but not be limited to the following:

    a. The City's representatives shall attend the pre-construction meeting.
    b. The City's representatives shall attend weekly construction meetings.
    c. The City shall provide Comcast a copy of Contractor's proposed work schedule showing date, location, and extent of work to be performed. This schedule shall be subject to change at any time.
    d. Comcast shall be given a ten (10) day notice that Contractor is beginning construction.

7. After completion of the project, the City shall provide Comcast "as-built" drawings. Upon receipt of the as-built drawings, Comcast shall have ten (10) calendar days review and comment on the as-built drawings and to accept or reject the as-built drawings. If Comcast does not provide comments on the as-built drawings within the ten (10) day period set forth above, the as-built drawings shall be deemed accepted by Comcast.

5. COST ALLOCATION.

Exhibit A, attached to this Agreement, is an estimate of Comcast's proportionate share of the JUT costs. The costs shown on Exhibit A are an estimate only. The final breakdown of costs for the items specified below will be based on the actual, reasonable quantities of work performed by Contractor times the contract unit costs for each work item, and will be subject to final review and

mutual approval by Comcast and the City.

A. **Joint Utility Trench Costs.**

Comcast agrees to pay the City its proportionate share of the JUT costs, including trench, bedding, and backfill, commensurate with its proportionate share of trench usage as shown in Exhibit A attached hereto and incorporated by this reference. JUT costs will be finalized after completion of construction to account for actual, reasonable construction costs, and the City will provide Comcast with a copy of the applicable Contractor pay estimates for final payment to be made to the City, which will be subject to final review and mutual approval by Comcast and the City.

B. **Conduit and Vault Installation.**

Comcast agrees to pay for the excavation, site preparation, and installation for its conduit and vaults that are outside the JUT area separately and in addition to any JUT costs, survey costs, and traffic control costs discussed herein. These additional costs shall be actual, reasonable, and preliminarily determined from the bid price accepted by the City. The cost to excavate for and install Comcast's vaults will be finalized after completion of construction to account for actual, reasonable construction costs, and will be subject to final review and mutual approval by Comcast and the City.

C. **Street Crossings.**

Comcast agrees to pay the City for the actual, reasonable installation costs for Contractor to install Comcast's conduits in street crossings. These costs are in addition to the JUT costs outlined in Section 5.A, and will be subject to final review and mutual approval by Comcast and the City.

D. **Survey.**

Comcast agrees to pay its proportionate share of the actual, reasonable costs for the City's surveyor to provide vault locations and elevations and any other survey data that may be required to locate and place Comcast facilities, subject to final review and mutual approval by Comcast and the City.

E. **Traffic Control.**

Comcast agrees to pay the City its proportionate share of the actual, reasonable traffic control costs associated with the construction of the JUT, commensurate with its proportionate share of trench usage as shown in Exhibit A attached hereto and incorporated by this reference.

F. **Administration Costs.**

Comcast agrees to reimburse the City for Comcast's prorated share of the City's project administration and management costs. Comcast's prorated share of these costs is anticipated to be $30,000.

G. **Additional Expenses.**

Comcast agrees to pay its proportionate share of any actual, reasonable additional expenses incurred due to Comcast's approved change requests requiring additional trench depth or width or for any other unforeseen conditions that are attributable to errors in Comcast's design or conflicts not accounted for in Comcast's design, and to dewatering for ground water. Any changes to Comcast's portion of work perceived as necessary by Contractor must be approved by Comcast in advance. Comcast will not pay for any share of additional expenses incurred due solely to approved change requests from other JUT users and/or the City. Comcast shall be responsible for its prorated costs share of public utility easements, if required, to accommodate Comcast equipment.

H. **Claims by Contractor.**

Responsibility for the cost of any claims made by Contractor allegedly caused by Comcast shall be subject to good faith negotiations between the Parties. Any resulting payment agreement will be subject to final review and mutual approval by Comcast and the City.

I. **Invoice.**

Upon proper completion of the trench work, Comcast agrees to pay the City within sixty (60) days of receiving a correct invoice from the City for amounts that the City has been invoiced by Contractor for work that has been completed by Contractor and approved by Comcast and which Comcast has agreed to pay under this Agreement.

J. **Defective or Unauthorized Work.**

Comcast shall promptly notify the City of any defective or unauthorized work performed by the Contractor, upon Comcast inspection pursuant to Section A.6 and prior to the City's approval of the Contractor's pay estimate for such work. Comcast reserves the right to withhold payment for any such work. Defective or unauthorized work includes, without limitation, work and materials that do not conform to the requirements of this Agreement and extra work and materials furnished without Comcast's approval. As the contracting agency, the City will provide notification to the Contractor of such defective or unauthorized work and will not make payment to the Contractor for defective or unauthorized Work. The City shall hold the Contractor solely responsible to immediately remedy, remove, replace, or dispose of defective or unauthorized Work or materials and hold the Contractor solely responsible to bear all costs of doing so. If the Contractor fails to remove defective or unauthorized work, the City will take action as outlined in the City's Public Works Contract with the Contractor.

K. **Final Payment/Waiver of Claims.**

The making of final payment by Comcast shall constitute a waiver of claims by the City and Contractor, except those previously and properly made and identified by City or Contractor as unsettled at the time request for final payment is made.

L. **Withdrawal from Agreement.**

Should Comcast elect not to participate in the JUT, it will be the responsibility of Comcast to relocate its facilities for the Project within thirty (30) days of Contractor's completion of the JUT. Comcast's new facilities must be located in the public right-of-way and construction of these facilities can in no way delay Contractor's work on the JUT. The City cannot accept delays in the schedule due to Comcast electing not to participate in the JUT.

6. CHANGES.

After the City executes a contract with Contractor, Comcast shall submit any changes requested to be performed by Contractor to the City. The City shall submit this to Contractor; obtain a price from Contractor to perform the work, and notify Comcast of this price. Prices supplied by Contractor for Comcast change orders shall be in conformance with the 25% limit in subsection 1-04.6 of the WSDOT Standard Specifications. Comcast shall have 48 hours from receiving the price from the City within which to respond. If Comcast chooses not to accept Contractor's price then this work shall only be performed by Comcast according to a mutually agreed upon schedule with Contractor so as not to cause delay to Contractor.

7. INDEMNIFICATION; LIENS; ENCUMBRANCES AND LIABILITY.

Each Party (the "Indemnifying Party") shall defend, indemnify and hold the other Party, its officers, officials, employees and contractors (collectively, "Indemnitees") harmless from any and all third-party claims, injuries, damages, losses or suits including reasonable legal costs and attorney fees, to the extent directly caused by performance of any work required under this Agreement by the Indemnifying Party, whether performed by the Indemnifying Party, its officers, officials, employees or contractors (including Contractor in the case of the City), except for injuries and damages caused by the negligence or willful misconduct of the Indemnitees.

Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Parties, its officials, employees and contractors, a Party's liability hereunder shall be only to the extent of the Party's negligence. The provisions of this section shall survive the expiration or termination of this Agreement.

No Party, directly or indirectly, shall create or impose any lien on the property of another, or on the rights or title relating thereto, or any interest therein, or in this Agreement. Each Party shall promptly, at its own expense, take such action as may be necessary to duly discharge any lien created by it on the property of another.

Except as expressly provided herein, NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR ANY INCIDENTAL, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO ANY LOSS OF USE, LOSS OF BUSINESS OR LOSS OF PROFIT; provided, however, there shall be no limitation on a Party's liability to the other for any fines or penalties imposed on the other Party by any court of competent jurisdiction or federal, state or local administrative agency resulting from the failure of the Party to comply with any term or condition of this Agreement or any valid and applicable law, rule or

regulation.

8. INSURANCE.

The contract between the City and Contractor shall require that Contractor procure and maintain for the duration of the project insurance of the types and in the amounts described below against Contractor's liabilities for claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work by Contractor, its representatives, employees, subconsultants or subcontractors.

A. Automobile Liability

Insurance with limits no less than $1,000,000 combined single limit per accident for bodily injury and property damage; and

B. **Commercial General Liability**

Insurance written on an occurrence basis with limits no less than $1,000,000 single limit per occurrence and $2,000,000 general aggregate for personal injury, bodily injury and property damage. Coverage shall include but not be limited to: blanket contractual; products/completed operations; property damage; explosion, collapse and underground (XCU.

C. Excess Liability

Insurance with limits not less than $1,000,000 per occurrence and aggregate. The total limits required herein may be met through any combination of primary and excess liability policies.

Any payment of deductible or self-insured retention shall be the sole responsibility of Contractor. Contractor, its officials, employees, and volunteers shall be designated as additional insureds on the Commercial General, Automobile, and Excess Liability insurance policy required of each Party, as respects work performed by or on behalf of the named insured Parties under this Agreement and a copy of the Certificate of Insurance shall be provided to the Parties prior to commencement of construction by Contractor. Contractor's insurance shall provide for severability of interests with respect to each additional insured party. The required insurance shall be primary and non-contributory with respect to any insurance or self-insurance programs maintained by the Parties.

Contractor's insurance shall include a waiver of subrogation in favor of the Parties.

Contractor shall provide the Parties with at least thirty (30) days' prior written notice of any cancellation, non-renewal, or material modification of the required insurance policies.

9. FRANCHISE AGREEMENT.

The City and Comcast agree that as to future projects, by entering into this Agreement, neither Party has waived any rights it may have under the existing franchise agreements between the City and Comcast, and the City and Comcast expressly herein reserve such rights. Notwithstanding anything in this Agreement to the contrary, Comcast's participation in the JUT activity

contemplated in this Agreement, and its very participation in this Agreement, shall in no event be construed as acceptance, affirmation, or ratification of the City's construction of Comcast's obligation to underground and enter into a writing pursuant to the franchise agreement, and the Parties understand and agree that the terms and conditions of this Agreement shall not be considered as a basis for future undergrounding projects that may be franchise required.

10. MISCELLANEOUS.

A. Compliance with Laws

The Parties shall comply with all applicable federal, state and local laws, rules and regulations throughout every aspect in the performance of this Agreement.

B. Nonwaiver of Breach

The failure of a Party to insist upon strict performance of any of the terms and rights contained herein, or to exercise any option herein conferred in one or more instances, shall not be constructed to be a waiver or relinquishment of those terms and rights and they shall remain in full force and effect.

C. Governing Law

This Agreement shall be governed and construed in accordance with the laws of the State of Washington. If any dispute arises between the Parties or between any Party and Contractor under any of the provisions of this Agreement, resolution of that dispute shall be available only through the jurisdiction, venue and rules of the King County Superior Court, King County, Washington or a federal court with jurisdiction over King County, Washington.

D. Attorney's Fees

To the extent not inconsistent with RCW 39.04.240, in any claim or lawsuit for damages arising from the Parties' performance of this Agreement, each Party shall be responsible for payment of its own legal costs and attorney's fees incurred in defending or bringing such claim or lawsuit; however, nothing in this subsection shall limit a Party's right to indemnification under Section 7 of this Agreement.

E. Written Notice

All communications regarding this Agreement shall be sent to the Parties at the addresses listed on the signature page of this Agreement, unless otherwise notified. Any written notice shall become effective upon delivery, but in any event three (3) calendar days after the date of mailing by registered or certified mail, and shall be deemed sufficiently given if sent to the addressee at the address stated on this Agreement.

F. Dispute Resolution and Governing Law

1. Alternative Dispute Resolution. If a dispute arises from or relates to this Agreement or the breach hereof, then the Parties shall use their best efforts to first settle the

dispute in an amicable manner through direct discussions between the Parties. If any such dispute cannot be resolved through direct discussions between the Parties, then the Parties shall attempt to settle the dispute by mediation administered by a mediator under American Arbitration Association ("AAA") rules or policies for mediation before resorting to arbitration. The mediator may be selected by agreement of the Parties or through the AAA. Following mediation, or upon written agreement of the Parties to waive mediation, any unresolved controversy or claim arising from or relating to this Agreement or breach hereof shall be settled through binding arbitration which shall be conducted in accordance with the then current Commercial Arbitration Rules of the AAA (the "AAA Rules"). The arbitrator may be selected by agreement of the Parties or through the AAA. All fees and expenses for mediation or arbitration shall be borne by the Parties equally. However, each Party shall bear the expense of its own Counsel, experts, witnesses and preparation of evidence. Any award made by the arbitrator will be in accordance with applicable law, will be in writing, and will state the reasons upon which it is based. The arbitrator will have no power to modify or abridge the terms of this Agreement. The award of the arbitrator will be final, and judgment on the award may be entered by any court having jurisdiction to do so. Neither party shall appeal the award to any court. Once the arbitrator has been selected, it will have exclusive jurisdiction to hear applications for such relief, or modifications thereof, except that any interim measures or injunctive relief ordered by the arbitral panel may be immediately and specifically enforced by a court of competent jurisdiction. Unless otherwise agreed by the Parties or required by law, the Parties, the arbitrators, and AAA will maintain the confidentiality of all documents, communications, proceedings, and awards provided, produced, or exchanged pursuant to an arbitration conducted under this Section.

2. Applicable Law and Jurisdiction: This Agreement shall be governed by the laws of the State of Washington. Although the Parties have agreed to and designated the primary dispute resolution method set forth in Section 10.F.1 above, any other claim, dispute or action shall be commenced exclusively in the King County Superior Court or the United States District Court, Western District of Washington as appropriate. In the event of any claim or lawsuit for damages arising from the Parties' performance of this Agreement, each party shall pay all its legal costs and attorney fees incurred in defending or bringing such claim or lawsuit, in addition to any other recovery or award provided by law, provided however nothing in this paragraph shall be construed to limit either Party's right to indemnification under Section 7 of this Agreement.

G. Modification

No waiver, alteration, or modification of any of the provisions of this Agreement shall be binding unless in writing and signed by a duly authorized representative of each affected Party.

H. Severability

If any one or more sections, sub-sections, or sentences of this Agreement are held to be unconstitutional or invalid, that decision shall not affect the validity of the remaining portion of this Agreement and the remainder shall remain in full force and effect.

I. Relationship

It is understood and agreed that no agency, employment, joint venture, co-employer or partnership is created by this Agreement. No Party hereto shall have the power or authority to act for another in any manner to create obligations or debts which would be binding upon the other Party. No Party shall be responsible for any obligation or expense whatsoever of the other Party except as set forth herein.

J. Force Majeure

Parties shall not be deemed to be in breach of this Agreement if unable to perform their respective obligations hereunder as a result of the occurrence of an event of "force majeure," which shall include, but not be limited to, acts of God, acts of the government of the United States or of any state or political subdivision thereof, strikes, civil riots or disturbances, fire, floods, explosions, earthquakes, wind, storms, hurricanes, lightning, pandemics, epidemics, or other similar catastrophes or other causes beyond the Parties' reasonable control. The scope of events of force majeure shall not extend to payment of money owed hereunder.

K. Disclosure

Both Parties agree that, to the extent allowable under RCW Chapter 42.56, all information with respect to this Agreement will be kept confidential and will be used for internal company purposes only. Neither Party shall, without the prior written consent of the other Party: (a) issue any press release or make any other public announcement regarding this Agreement or any relation between the City and Comcast; or (b) use the name, trademarks, or other proprietary identifying symbol of the other Party or its affiliates. Such consent by Comcast may be given only by the Executive Vice President of Corporate Communications or his or her designee. Any purported consent by any other person, including any Comcast sales or customer service representative, is void and of no effect.

L. Assignment

Neither Party shall assign this Agreement or any of its rights or obligations hereunder without the prior written consent of the other, which consent will not be unreasonably withheld or delayed. Notwithstanding the foregoing, either may assign all or part of this Agreement immediately, without the prior written consent of the other Party (a) to any entity that controls, is controlled by, or is in common control with a Party or (b) to any successor in interest to a Party or (c) if necessary to satisfy the rules, regulations and/or orders of any federal, state or local governmental agency or body.

M. Entire Agreement

The written provisions and terms of this Agreement, together with any attached Exhibits, supersede all prior verbal statements by any representative of either Party, and those statements shall not be construed as forming a part of or altering in any manner this Agreement. This Agreement and any attached Exhibits contain the entire Agreement between the Parties. Should any language in any Exhibit to this Agreement conflict with any language contained in this

Agreement, the terms of this Agreement shall prevail.

[Signature Page Follows]

IN WITNESS WHEREOF, the Parties below have executed this Agreement as of the date set forth below to be effective as of the Effective Date.

Comcast Cable Communications Management, LLC

By:_____
Print Name: _____
Title: _____
Date: _____

City of Des Moines

By: _____
Print Name: _____
Title: _____
Date: _____

At the Direction of the Des Moines City Council taken during open public meeting on the day of , 2025.

APPROVED AS TO FORM:

_____
Des Moines City Attorney

NOTICES TO BE SENT TO:

Comcast

Comcast
Attn: Kyle Kinney
410 Valley Ave NW
Puyallup, WA 98371
(253) 288-7533 (Office)
(206) 293-3838 (Cell)
(253) 288-7500 (Fax)

NOTICES TO BE SENT TO:

City of Des Moines

City of Des Moines
Attn: Tommy Owen
21650 11th Avenue South
Des Moines, WA 98198
(206) 870-6870 (Office)
(206) 406-2334 (Cell)
(206) 870-6596 (Fax)

With a copy of notices to Comcast to:

Comcast Cable Communications Management, LLC
One Comcast Center
1701 JFK Blvd.
Philadelphia, PA 19103
Attn: Cable Law Department – Operations
Legal_Notices@comcast.com

EXHIBIT A

Des Moines Barnes Creek Trail Project S 240th (16th to 20th)
FRANCHISE UTILITY TAKE-OFF - PERCENTAGES OF FULL SCH B - FRANCHISE SCHEDULE
BASED ON PERCENTAGE PROPOSED CONDUITS FOR PROECT DESIGN - Engineer's Estimate
Cost Share Prices are dependent on actual awarded Contractor unit prices. Bids opened 7/29/25
REV: July 31, 2025

PSOMAS

							LUMEN			COMCAST			PSE (60%)			PSE CITY SHARE (40%)			CITY FULL RESPONSIBILITY			
No.	Spec No.	Description	Total Quantity	Unit	Unit Cost	Total	%	Quant	Cost Total	%	% / Quant	Cost Total	%	% / Quant	Cost Total	%	% / Quant	Cost Total	%	% / Quant	Cost Total	Total Check
		SCHEDULE D - FRANCHISE UTILITY IMPROVEMENTS																				
115	1-04	Minor Change	1	EST	$ 25,000.00	$ 25,000.00				33%	0.33	$ 8,134.90	40%	0.405	$ 10,119.06	27%	0.270	$ 6,746.04				$ 25,000.00
116	1-05	Roadway Surveying	1	LS	$ 10,530.00	$ 10,530.00				33%	0.33	$ 3,426.42	40%	0.405	$ 4,262.15	27%	0.270	$ 2,841.43				$ 10,530.00
117	1-07	Resolution of Utility Conflicts	1	EST	$ 20,000.00	$ 20,000.00				33%	0.33	$ 6,507.92	40%	0.405	$ 8,095.25	27%	0.270	$ 5,396.83				$ 20,000.00
118	1-09	Mobilization	1	LS	$ 52,570.00	$ 52,570.00				33%	0.33	$ 17,106.06							67%	0.675	$ 35,463.94	$ 52,570.00
119	1-10	Project Temporary Traffic Control	1	LS	$ 2,500.00	$ 2,500.00				33%	0.33	$ 813.49	40%	0.405	$ 1,011.91	27%	0.270	$ 674.60				$ 2,500.00
120	1-10	Traffic Control Supervisor	1	LS	$ 13,710.00	$ 13,710.00				33%	0.33	$ 4,461.18	40%	0.405	$ 5,549.29	27%	0.270	$ 3,699.53				$ 13,710.00
121	1-10	Pedestrian Traffic Control	1	LS	$ 3,820.00	$ 3,820.00				33%	0.33	$ 1,243.01	40%	0.405	$ 1,546.19	27%	0.270	$ 1,030.80				$ 3,820.00
122	1-10	Flaggers	1300	HR	$ 66.00	$ 85,800.00				33%	423.01	$ 27,918.96	40%	526.191	$ 34,726.62	27%	350.794	$ 23,152.42				$ 85,800.00
123	1-10	Portable Changeable Message Sign	2000	HR	$ 2.00	$ 4,000.00				33%	650.79	$ 1,301.58	40%	809.525	$ 1,619.05	27%	539.683	$ 1,079.37				$ 4,000.00
124	1-10	Contractor Provided Uniformed Police Officer	300	HR	$ 130.00	$ 39,000.00				33%	97.62	$ 12,690.44	40%	121.429	$ 15,785.74	27%	80.953	$ 10,523.83				$ 39,000.00
125	2-02	Removal of Structure and Obstruction	1	LS	$ 19,310.00	$ 19,310.00							40%	0.40	$ 7,815.96	27%	0.27	$ 5,210.64	33%	0.325	628339.3%	$ 19,310.00
126	2-03	Unsuitable Foundation Excavation Incl. Haul	74	CY	$ 42.00	$ 3,108.00				33%	24.08	$ 1,011.33	40%	29.952	$ 1,258.00	27%	19.968	$ 838.67				$ 3,108.00
127	2-05	Utility Potholing	100	EA	$ 460.00	$ 46,000.00													100.00%	100.000	$ 46,000.00	$ 46,000.00
128	2-09	Shoring or Extra Excavation Class B	1	LS	$ 13,640.00	$ 13,640.00				33%	0.33	$ 4,438.40							67%	0.675	$ 9,201.60	$ 13,640.00
129	4-04	Crushed Surfacing Top Course for Trench Backfill	1091	CY	$ 151.00	$ 164,741.00				33%	355.01	$ 53,606.03							67%	735.993	$ 111,134.97	$ 164,741.00
130	5-04	HMA for Utility Trench Cl. 1/2" PG 58H-22	279	TN	$ 266.00	$ 74,214.00				33%	90.79	$ 24,148.92							67%	188.215	$ 50,065.08	$ 74,214.00
131	7-05	Adjust Sanitary Sewer Manhole Cone	1	EA	$ 655.00	$ 655.00													100.00%	1.000	$ 655.00	$ 655.00
132	8-35	Adjust Franchise Utility Vault	5	EA	$ 1,940.00	$ 9,700.00				20%	1.00	$ 1,940.00							80%	4.000	$ 7,760.00	$ 9,700.00
133	8-35	Franchise Utility Coordination	1	LS	$ 460.00	$ 460.00				33%	0.33	$ 149.68							67%	0.675	$ 310.32	$ 460.00
134	8-35	Lumen Utility Coordination	1	LS	$ 460.00	$ 460.00	100.00%	1.000	$ 460.00												$ -	$ 460.00
135	8-35	Sand Bedding Incl. Haul	1455	TN	$ 31.00	$ 45,105.00				33%	473.45	$ 14,676.98							67%	981.549	$ 30,428.02	$ 45,105.00
136	8-35	Extra Trench Excavation Incl. Haul	70	CY	$ 42.00	$ 2,940.00				33%	22.78	$ 956.66							67%	47.222	$ 1,983.34	$ 2,940.00
137	8-35	Install 2" Diameter Conduit - PSE Power	1250	LF	$ 5.00	$ 6,250.00							60%	750.000	$ 3,750.00	40%	500.000	$ 2,500.00				$ 6,250.00
138	8-35	Install 3" Diameter Conduit - PSE Power	920	LF	$ 6.00	$ 5,520.00							60%	552.000	$ 3,312.00	40%	368.000	$ 2,208.00				$ 5,520.00
139	8-35	Install 4" Diameter Conduit - PSE Power	4300	LF	$ 6.00	$ 25,800.00							60%	2580.000	$ 15,480.00	40%	1720.000	$ 10,320.00				$ 25,800.00
140	8-35	Install 6" Diameter Conduit - PSE Power	3400	LF	$ 7.00	$ 23,800.00							60%	2040.000	$ 14,280.00	40%	1360.000	$ 9,520.00				$ 23,800.00
141	8-35	Install Handhole - PSE	10	EA	$ 514.00	$ 5,140.00							60%	6.000	$ 3,084.00	40%	4.000	$ 2,056.00				$ 5,140.00
142	8-35	Install Junction Box - PSE	4	EA	$ 561.00	$ 2,244.00							60%	2.400	$ 1,346.40	40%	1.600	$ 897.60				$ 2,244.00
143	8-35	Install Vault - PSE	6	EA	$ 2,888.00	$ 17,328.00							60%	3.600	$ 10,396.80	40%	2.400	$ 6,931.20				$ 17,328.00
144	8-35	Install Pull Vault - PSE	1	EA	$ 3,777.00	$ 3,777.00							60%	0.600	$ 2,266.20	40%	0.400	$ 1,510.80				$ 3,777.00
145	8-35	Install Switch - PSE	2	EA	$ 4,044.00	$ 8,088.00							60%	1.200	$ 4,852.80	40%	0.800	$ 3,235.20				$ 8,088.00
146	8-35	Install 2" Diameter Conduit - Comcast	920	LF	$ 5.00	$ 4,600.00				100.00%	920.000	$ 4,600.00										$ 4,600.00
147	8-35	Install 4" Diameter Conduit - Comcast	4700	LF	$ 6.00	$ 28,200.00				100.00%	4700.000	$ 28,200.00										$ 28,200.00
148	8-35	Install Vault - Comcast	14	EA	$ 1,100.00	$ 15,400.00				100.00%	14.000	$ 15,400.00										$ 15,400.00
149	8-35	Install Pedestal - Comcast	6	EA	$ 540.00	$ 3,240.00				100.00%	6.000	$ 3,240.00										$ 3,240.00
150	8-35	Install 6" Diameter Conduit - PSE Power Relocation	1520	LF	$ 7.00	$ 10,640.00							100.00%	1520.000	$ 10,640.00							$ 10,640.00
151	8-35	Fluidized Thermal Backfill - PSE Power Relocation	80	CY	$ 294.00	$ 23,520.00							100.00%	80.000	$ 23,520.00							$ 23,520.00
152	8-36	Electrical Service Conversion	6	EA	$ 6,520.00	$ 39,120.00													100.00%	6.000	$ 39,120.00	$ 39,120.00
153	8-36	Property Restoration for Franchise Utility	1	EST	$ 20,000.00	$ 20,000.00													100.00%	1.000	$ 20,000.00	$ 20,000.00
154	8-36	Private Service Trench	400	LF	$ 25.00	$ 10,000.00													100.00%	400.000	$ 10,000.00	$ 10,000.00
					Schedule B SubTotal	$ 889,930.00			$ 460.00			$ 235,971.95			$ 184,719.43			$ 100,372.96			$ 368,405.66	$ 889,930.00
					Tax @ 10.2%	$ 90,772.86			$ 46.92			$ 24,069.14			$ 18,841.38			$ 10,238.04			$ 37,577.38	$ 90,772.86
					Schedule B Total	$ 980,702.86			$ 506.92			$ 260,041.09			$ 203,560.82			$ 110,611.00			$ 405,983.04	$ 980,702.86

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Barnes Creek Trail	Project #	TRCIP0008
	- Previous Project #	319.345

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Widen S. 240th Street roadway to three lanes at the intersections of 16th Ave and 20th Ave S. and provide a multi-use trail on the north side (Barnes Creek Trail), bike lane on the south side, transit stops, curb, gutter, and planter strips where feasible. Trail will provide connectivity between the Barnes Creek Trail on 16th Ave S. and Highline College.

Justification/Benefits: The need for pedestrian and bicycle facilities along S. 240th St. and continuation of the Barnes Creek Trail is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. S. 240th St. has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway corridor. The Barnes Creek Trail multi-use path will ultimately connect Highline College to South 216th St. via S. 240th St, 16th Ave S., and adjacent historic SR509 right-of-way between Kent Des Moines Rd., and S. 216th St.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	1,932	4	1,936	1,933	2	3	-	-	-	-	-	-
Land & Right of Way	279	-	279	276	-	3	-	-	-	-	-	-
Construction	7,521	618	8,139	690	960	7,236	213	-	-	-	-	-
Contingency	590	(13)	577			577						
Total Expenditures	10,322	609	10,931	2,899	962	7,819	213	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
KING COUNTY PARK LEVY	288	-	288	288	-							
TRANSPORTATION CIP FUND	69	-	69	69	-							
TRAFFIC IMPACT FEE - CITY WIDE	190	-	190	190	-	-						
REET 1	764	-	764	764	-							
PRIVATE CONTRIBUTIONS	35	-	35	35	-							
STREET PAVEMENT FUND	705	609	1,314	107	-	1,207						
TRANSPORTATION BENEFIT DISTRCT	505	-	505	-	-	505						
FEDERAL GRANTS CMAQ-FHWA (SEC)	379	-	379	379	-							
FEDERAL GRANTS (UNSECURED)	-	-	-	-	-							
PRIVATE CONTRIBUTION - LUMEN	1	-	1	-	-	1						
PRIVATE CONTRIBUTION - COMCAST	290	-	290	-	-	290						
PRIVATE CONT - PSE SCH 74	204	-	204	-	-	204						
KING COUNTY CONSERVATION GRANT	45	-	45	45	-							
SOUND TRANSIT SYSTEM ACC GRNT	1,985	-	1,985	-	-	1,985						
KING COUNTY METRO (SECURED)	118	-	118	118	-							
HIGHLINE WATER DISTRICT ILA	944	-	944	-	317	944						
TIB GRANT (SECURED)	300	-	300	300	-							
WSDOT GRANT	3,500	-	3,500	612	-	2,888						
Total Funding	10,322	609	10,931	2,907	317	8,024	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Capital Improvements Plan**

ATTACHMENTS:
1. 2027-2032 CIP 6 Year Plan (2)
2. Draft Resolution No 26-098
3. 2027-2032 Capital Improvements Plan PowerPoint

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Finance

DATE SUBMITTED:
August 03, 2026

CLEARANCES:
Finance
Public Works
Marina

Purpose and Recommendation

The purpose of this agenda item is to present the City of Des Moines 2027–2032 Capital Improvements Plan (CIP), included as Attachment 1, for City Council discussion.

Motion: "I move to adopt Draft Resolution No. 26-098 approving the City of Des Moines 2027 - 2032 Capital Improvements Plan."

Strategic Plan Priority

Natural and Built Environment

Background

The City of Des Moines 2027–2032 Capital Improvements Plan provides a multi-year list of proposed major capital and major repair expenditures for the City. The plan sets funding strategies not only for the coming year but for the full six-year period, projecting future needs for major construction, land acquisition, and equipment that improve the cultural environment, capital infrastructure, and recreational opportunities available to Des Moines residents.

Capital expenditures include buildings, land, major equipment, and other commodities of significant value (greater than $25,000) with a useful life of at least five years. Anticipated major repairs and maintenance greater than $25,000 are also included.

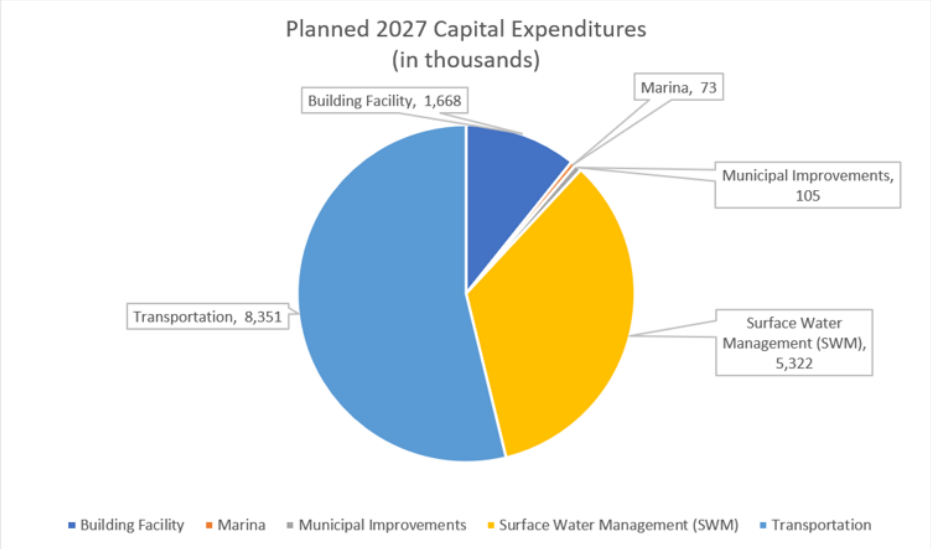
Discussion

The total budget for all projects included in the Capital Improvements Plan (CIP) is $220,393,000, with $215,294,000 in identified funding. Of this amount, $49,072,000 represents grant funding that has not yet been secured, resulting in a confirmed funding total of $166,222,000. Approximately $5,097,000 in additional funding remains to be identified. **Expenditures are not made without funding secured.** It is not unusual for cities to have CIPs that are not fully funded; they serve both as a comprehensive list of projects the City intends to pursue and, in the near term, as a plan for projects that are ready and funded. A summary of project expenditures and funding sources is provided on pages 9–14 of the plan.

During preliminary discussion on the CIP at the August Study Session, the City Council expressed a desire for the projects to be prioritized. For this year, we have included information in the associated powerpoint indicating the top five projects in each category. For the CIP adoption next year, we will prioritize the entire list of projects as high, medium and low.

Planned capital expenditures for 2027 are about $15,519,000 allocated among the following categories:

1) Marina Capital Improvements
2) Building Facility Projects
3) Municipal Capital Improvements
4) Surface Water Management Capital Projects
5) Transportation Capital Projects



Major Category	Master Project ID	Project Name	2027 Planned Expenditures (In Thousands)
Building Facility Projects	BDCIP0004	Founders' Lodge	121
Building Facility Projects	BDCIP0012	Service Center Material Storage Improvements	33
Building Facility Projects	BDCIP0017	Citywide Mechanical & HVAC Equipment and Roofing Replacements	53
Building Facility Projects	BDCIP0018	City Fiber Loop Completion	1,390
Building Facility Projects	BDCIP0021	IT Main Office HVAC System	71
Building Facility Projects Total			**1,668**
Marina Capital Improvements	MACIP0003	Dock Electrical Replacements	61
Marina Capital Improvements	MACIP0011	Marina Small Projects	12
Marina Capital Improvements Total			**73**
Municipal Capital Improvements	MCCIP0035	Redondo Esplanade Improvements	26
Municipal Capital Improvements	MCCIP0036	Cliff Ave Connector	26
Municipal Capital Improvements	MCCIP0040	Parks Maintenance (Levy Funded)	53
Municipal Capital Improvements Total			**105**
Surface Water Management Capital	SWCIP0019	Service Center Material Storage Improvments	11
Surface Water Management Capital	SWCIP0020	5th Ave/212th Street Pipe Upgrade	1,494
Surface Water Management Capital	SWCIP0024	Des Moines Creek Estuary Restoration	309
Surface Water Management Capital	SWCIP0029	6th Pl/287th Street Pipe Replacement	1,270
Surface Water Management Capital	SWCIP0032	KDM/16th Ave B Pipe Project	425
Surface Water Management Capital	SWCIP0033	Pipe Repair and Replacement Project Program	457
Surface Water Management Capital	SWCIP0035	MVD Pond Retrofit	1,112
Surface Water Management Capital	SWCIP0036	13th Ave S Bioswale Retrofit	50
Surface Water Management Capital	SWCIP0039	Beach Park Hillside Pipe Replacement	194
Surface Water Management Capital Total			**5,322**
Transportation Projects	TRCIP0001	ADA Compliance Program	62
Transportation Projects	TRCIP0002	Guardrail Program	28
Transportation Projects	TRCIP0003	Street Pavement Preservation	1,106
Transportation Projects	TRCIP0006	S 224th St Improvements	243
Transportation Projects	TRCIP0008	Barnes Creek Trail	213
Transportation Projects	TRCIP0012	Arterial Traffic Calming	280
Transportation Projects	TRCIP0021	North Hill Elementary Walkway Improvements	4,121
Transportation Projects	TRCIP0026	S 223rd Strt Complete Street Impr	637
Transportation Projects	TRCIP0027	24th Ave S Improvements - Segment 1	943
Transportation Projects	TRCIP0028	Safe Streets for All	718
Transportation Projects Total			**8,351**
Grand Total			**15,519**

Funding Status of CIP Projects

As previously noted, it is common for Capital Improvements Plans to include projects at various stages of funding—ranging from fully funded projects scheduled to begin in the near term, to projects with identified but unsecured grant funding, and longer-term projects for which funding has yet to be determined.

The following schedules summarize the funding status of CIP projects. Because many projects have multiple funding sources, a single project may appear in more than one schedule to reflect its mix of secured funding, unsecured grant funding, and funding that has not yet been identified.

CITY OF DES MOINES

CIP PROJECT FUNDING: 2027-2032

(Amounts in Thousands)

SECURED FUNDING

CIP Category	Master Project ID	Project Name	Project Status	Sum of Total Budget
Building Facility Project	BDCIP0004	Founders' Lodge	Active	479
	BDCIP0007	LED Exterior Lighting	Active	94
	BDCIP0011	City Hall Canopy Repairs	Active	107
	BDCIP0012	Service Center Material Storage Improvements	Active	327
	BDCIP0017	Citywide Mechanical & HVAC Equipment and Roofing Replacement	Active	413
	BDCIP0019	Activity Center Roof & Solar	Closing	247
	BDCIP0020	PW Service Center and PD Vehicle Gates	Active	48
	BDCIP0021	IT Main Office HVAC System	Active	71
Marina Capital Improvements	MACIP0001	Marina Dredging	Closing	501
	MACIP0003	Dock Electrical Replacements	Active	246
	MACIP0005	Marina Dock Replacement	Closing	13,117
	MACIP0007	Tenant Restroom Replacement	Active	1,578
	MACIP0008	CSR Roof Replacement	Closing	78
	MACIP0010	Marina Dock Ferry Electrification	Active	117
	MACIP0011	Marina Small Projects	Active	24
	MACIP0012	Seawall and Esplanade	Active	34,070
Park Facility & Playground Projects	MCCIP0001	DMBP Sun Home Lodge Rehab	Active	200
	MCCIP0005	Field House Play Equipment	Closing	740
	MCCIP0012	Redondo Fishing Pier	Closing	5,588
	MCCIP0015	Midway Park	Active	5,418
	MCCIP0018	Redondo Restroom	Active	2,612
	MCCIP0024	Police HVAC	Active	707
	MCCIP0031	N. Side Redondo Floats	Active	540
	MCCIP0034	Midway Park Youth Soccer Field	Active	464
	MCCIP0035	Redondo Esplanade Improvements	Active	66
	MCCIP0036	Cliff Ave Connector	Active	62
	MCCIP0037	SJU Light Repair	Closing	15
	MCCIP0038	Field House Lighting Upgrades	Closing	76
	MCCIP0039	Field House Exterior Painting	Closing	74
	MCCIP0040	Parks Maintenance (Levy Funded)	Active	414
Waterfront Facility Projects	MCCIP0021	Marina, Beach Park Paid Parking	Closing	360
	MCCIP0030	Marina Steps & Promenade	Active	12,610
General Services	MCCIP0041	City Hall Suite A Restroom & Kitchen	Active	254
Surface Water Management	SWCIP0002	24th Ave Pipeline Replacement/Upgrade	Closing	1,203
	SWCIP0015	DMMD 208th to 212th Pipe Project	Closing	1,634
	SWCIP0018	S. 200th St. Drainage Improvements	Active	193
	SWCIP0019	Service Center Material Storage Improvments	Active	102
	SWCIP0020	5th Ave/212th Street Pipe Upgrade	Active	1,806
	SWCIP0021	216th Pl./ Marine View Dr. Pipe Upgrade	Closing	621
	SWCIP0024	Des Moines Creek Estuary Restoration	Active	672
	SWCIP0025	Massey Creek Pocket Estuary and Fish Passage	Closing	133
	SWCIP0029	6th Pl/287th Street Pipe Replacement	Active	1,686
	SWCIP0030	232nd St (10th to 14th) Pipe Project	Active	1,245
	SWCIP0031	16th Ave S Ditch Decommissioning & Stormwater Improvement	Active	1,428
	SWCIP0032	KDM/16th Ave B Pipe Project	Active	1,865
	SWCIP0033	Pipe Repair and Replacement Project Program	Active	3,732
	SWCIP0035	MVD Pond Retrofit	Active	225
	SWCIP0037	Wooton Park Parcel Acquisition	Closing	133
	SWCIP0039	Beach Park Hillside Pipe Replacement	Active	202
	SWCIP0040	North Hill Storm Improvements	Active	2,339
	SWCIP0041	Midway Storm Improvements	Active	1,044
	SWCIP0042	Saltwater Highlands Pond Retrofit	Active	572
	SWCIP0043	240th Street (MVD to 11th Pl) Pipe Project	Active	570
	SWCIP0044	Marina Steps Bioretention Planters	Active	177

SECURED FUNDING

CIP Category	Master Project ID	Project Name	Project Status	Sum of Total Budget
Arterial Street Repaving	TRCIP0003	Street Pavement Preservation	Active	13,400
Street Operating Projects	TRCIP0001	ADA Compliance Program	Active	680
	TRCIP0002	Guardrail Program	Active	245
Transportation - Capital Projects	TRCIP0006	S 224th St Improvements	Active	914
	TRCIP0007	Downtown Alley Improvement	Active	791
	TRCIP0008	Barnes Creek Trail	Active	10,931
	TRCIP0009	16th Ave - Seg 5A	Active	204
	TRCIP0010	24th Ave S. Improvements Project (Segment 2)	Closing	9,988
	TRCIP0011	Marine View Dr / South 240th St. Intersection Improvement	Active	672
	TRCIP0012	Arterial Traffic Calming	Active	1,183
	TRCIP0016	South 240th Street Improvements - Segment 1	Active	250
	TRCIP0021	North Hill Elementary Walkway Improvements	Active	6,021
	TRCIP0023	Kent-Des Moines Rd - Seg 2	Active	1,054
	TRCIP0024	30th Ave S Improvements - South Segments	Active	980
	TRCIP0025	South 240th Street Improvements - Segment 3	Active	3,405
	TRCIP0026	S 223rd Strt Complete Street Impr	Active	916
	TRCIP0027	24th Ave S Improvements - Segment 1	Active	9,337
	TRCIP0028	Safe Streets for All	Active	1,952
				166,222

UNSECURED GRANTS

Funding Source Name	Master Project ID	Project Name	Project Status	Sum of Total Budget
Local Grants (Unsecured)	MCCIP0001	DMBP Sun Home Lodge Rehab	Active	43
	MCCIP0015	Midway Park	Active	250
	SWCIP0024	Des Moines Creek Estuary Restoration	Active	555
	SWCIP0037	Wooton Park Parcel Acquisition	Closing	324
	TRCIP0016	South 240th Street Improvements - Segment 1	Active	3,980
	TRCIP0023	Kent-Des Moines Rd - Seg 2	Active	5,815
Local Grants (Unsecured) Total				**10,967**
State Grants (Unsecured)	MCCIP0001	DMBP Sun Home Lodge Rehab	Active	774
	MCCIP0015	Midway Park	Active	500
	MCCIP0035	Redondo Esplanade Improvements	Active	2,106
	MCCIP0036	Cliff Ave Connector	Active	3,086
	SWCIP0024	Des Moines Creek Estuary Restoration	Active	12,842
	SWCIP0035	MVD Pond Retrofit	Active	1,113
	SWCIP0036	13th Ave S Bioswale Retrofit	Active	247
	TRCIP0011	Marine View Dr / South 240th St. Intersection Improvement	Active	1,506
	TRCIP0016	South 240th Street Improvements - Segment 1	Active	3,320
	TRCIP0023	Kent-Des Moines Rd - Seg 2	Active	400
	TRCIP0024	30th Ave S Improvements - South Segments	Active	5,610
	TRCIP0025	South 240th Street Improvements - Segment 3	Active	2,485
State Grants (Unsecured) Total				**33,989**
Federal Grants (Unsecured)	MCCIP0015	Midway Park	Active	4,116
Federal Grants (Unsecured) Total				**4,116**
				49,072

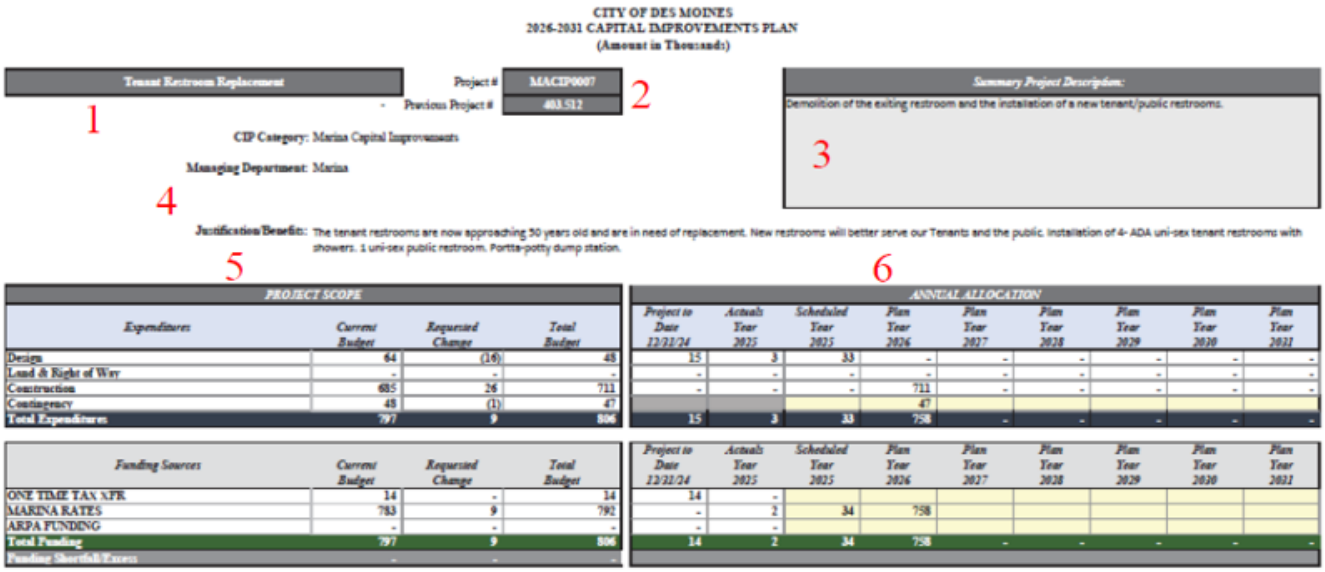
NO FUNDING SOURCE IDENTIFIED

Funding Source Name	Master Project ID	Project Name	Project Status	Total Unfunded
No Funding Source Identified	BDCIP0013	Service Center Fueling Station Canopy & Fuel Tank Replacement	Active	1,742
No Funding Source Identified	BDCIP0018	City Fiber Loop Completion	Active	1,390
No Funding Source Identified	MCCIP0024	Police HVAC	Active	1,320
No Funding Source Identified	MCCIP0028	City Hall Parking Lot	Active	548
No Funding Source Identified	TRCIP0024	30th Ave S Improvements - South Segments	Active	56
No Funding Source Identified	TRCIP0026	S 223rd Strt Complete Street Impr	Active	41
				5,097

Guide to Reading the Capital Improvements Plan

The CIP document consists of an initial overview and introduction including sections on criteria, the purpose of a CIP, relevant policies, the CIP process, and expenditure and revenue summaries. The second half of the document consists of a project sheet for each individual project.

Below is a guide to reading the individual project sheets:



CITY OF DES MOINES
2026-2031 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Tenant Restroom Replacement — 1

Project # MACIP0007 — 2
Previous Project # 403.512

Summary Project Description: — 3
Demolition of the exiting restroom and the installation of a new tenant/public restrooms.

CIP Category: Marina Capital Improvements
Managing Department: Marina — 4

Justification/Benefit: The tenant restrooms are now approaching 50 years old and are in need of replacement. New restrooms will better serve our Tenants and the public. Installation of 4- ADA uni-sex tenant restrooms with showers. 1 uni-sex public restroom. Portta-potty dump station. — 5

PROJECT SCOPE — 6

Expenditures	Current Budget	Requested Change	Total Budget
Design	64	(16)	48
Land & Right of Way	-	-	-
Construction	685	26	711
Contingency	48	(1)	47
Total Expenditures	797	9	806

ANNUAL ALLOCATION

Expenditures	Project to Date 12/31/24	Actuals Year 2025	Scheduled Year 2025	Plan Year 2026	Plan Year 2027	Plan Year 2028	Plan Year 2029	Plan Year 2030	Plan Year 2031
Design	15	3	33	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-
Construction	-	-	-	711	-	-	-	-	-
Contingency				47					
Total Expenditures	15	3	33	758	-	-	-	-	-

Funding Sources	Current Budget	Requested Change	Total Budget
ONE TIME TAX XFR	14	-	14
MARINA RATES	783	9	792
ARPA FUNDING	-	-	-
Total Funding	797	9	806
Funding Shortfall/Excess	-	-	-

Funding Sources	Project to Date 12/31/24	Actuals Year 2025	Scheduled Year 2025	Plan Year 2026	Plan Year 2027	Plan Year 2028	Plan Year 2029	Plan Year 2030	Plan Year 2031
ONE TIME TAX XFR	14	-							
MARINA RATES	-	2	34	758					
ARPA FUNDING	-	-							
Total Funding	14	2	34	758	-	-	-	-	-
Funding Shortfall/Excess									

1) Project Name
2) Project Number
3) Summary Project Description
4) Information including
   a. CIP Category,
   b. Managing Department,
   c. Justification/Benefit of the project.
5) Project Scope including
   a. Types of Expenditures
   b. Description of Funding Sources
   c. Total Budget for Project
6) Annual Allocation
   a. Details timing of expenditures and uses of funds

Project sheets appear in the plan in order by category first (BDCIP, MACIP, MCCIP, SWCIP, TRCIP), then project number.

Recommendation

Staff recommends adopting the Capital Improvements Plan.

CAPITAL IMPROVEMENTS PLAN

2027-2032

Des Moines

WATERLAND CITY

8/27/2026

(This Page is Intentionally Left Blank)

CITY OF DES MOINES

2027 – 2032

CAPITAL IMPROVEMENTS PLAN

TABLE OF CONTENTS

Introduction....1
Overview....1
CIP Project Criteria....2
Why Plan for Capital Facilities?....2

Financial Policies and Revenue Sources....3
Revenue Policies and Sources....3
Debt Management Policies....3

Capital Improvements Plan Process....4
Capital Project Evaluation Criteria....5

Summary Sheets
CIP Project Expenditure Summary....9
CIP Project Revenue Summary....11
CIP Revenue Source Summary....13
CIP Revenue Source Project Detail....15

Individual Project Sheets (Projects Appear in Alphanumeric Order)
Building Facility Projects (BDCIP)....21
Marina Capital Improvements (MACIP)....31
Municipal Capital Improvements (MCCIP)....39
Surface Water Management Capital Projects (SWCIP)....57
Transportation Projects (TRCIP)....79

Glossary of Terms....97

(This Page is Intentionally Left Blank)

INTRODUCTION

This document is the City of Des Moines's 2027-2032 Capital Improvements Plan. The Capital Improvements Plan provides a multi-year list of proposed major capital and major repair expenditures for the city. This plan attempts to set funding strategies not only for the current year, but also for the next five years to project future needs for major construction, land acquisition and equipment needs that improve the cultural environment, capital infrastructure and recreational opportunities for the citizens of Des Moines. Capital expenditures are viewed not only in the context of how much the new project will cost, but also what impact the project will have on the city's operating budget.

OVERVIEW

Capital facilities planning and financing is subject to the State of Washington Growth Management Act of 1990 (GMA). The GMA requires communities to adopt comprehensive plans designed to guide the orderly development of growth over the next twenty years.

In accordance with GMA, the city has prepared its 2027-2032 Capital Improvements Plan ("CIP"). This plan provides long-range policy guidance for the development of capital improvements and identification of major repairs to accommodate orderly growth, set policy direction for capital improvements and ensure that needed capital facilities are provided in a timely manner.

The GMA requires the following elements in long term capital planning:

1. An inventory of existing publicly-owned capital facilities showing locations and capacities.
2. A forecast of the future needs for such capital facilities.
3. The proposed locations and capacities of expanded or new capital facilities.
4. A minimum six-year plan that will finance such capital facilities within projected funding capacities and clearly identifies sources of public money for such purposes.
5. A requirement to reassess the land-use element if probable funding falls short of meeting existing needs.

The 2027-2032 CIP is the result of step 4 listed above.

For financial and accounting purposes, municipal capital and operating funds are divided into two broad categories: general governmental and proprietary. General governmental activities are supported primarily by taxes and user fees, while proprietary activities rely primarily on fees generated from the sale of goods and services for their operations. Capital improvements for police, parks, and transportation are traditionally general governmental in nature, while those for surface water and marina are proprietary.

Revenue sources for general governmental capital improvements are constrained by legal limits on tax rates that can be charged to raise funds for capital improvements, and on the amount of general obligation debt (capacity) that can be issued to raise funds for capital improvements. Proprietary funds' revenue sources are less restricted in that user fees could be increased or revenue-backed debt issued with the approval of the legislative body.

In addition, general governmental capital funding for improvements that rely on voter-approved bond issues creates certainty of when or if certain projects will take place.

CIP PROJECT CRITERIA

Capital expenditures include expenditures for buildings, land, major equipment, and other commodities that are of significant value (greater than $25,000) and have a useful life of at least five years. Anticipated major repairs/maintenance greater than $25,000 have also been included. The next year of capital spending and projects which do not meet the capital criteria are included in the annual Operating Budget.

The Capital Improvements Plan (CIP) lists each proposed project to be undertaken, the year in which it will be started, the amount expected to be expended in each year and the proposed method of financing these expenditures. Based on these details, summaries of project activities in each year can be prepared, as well as summaries of financial requirements, such as amounts of general obligation bonds to be issued, amounts of general operation funds required and any anticipated intergovernmental support, etc.

The capital improvements budget is enacted annually based on the capital improvements plan. It appropriates funding for the projects in the first year of the capital improvements plan as well as any projects started but not yet complete.

Flexibility is built into the capital improvements plan to allow for delay of projects when financing constraints make it impossible to allow for funding of the entire array of projects and to move future projects forward when financial availability makes it possible. The CIP is updated at least annually.

WHY PLAN FOR CAPITAL FACILITIES?

Project planning provides several advantages to the community:

- It facilitates repair or replacement of existing facilities before they fail. Failure is almost always more costly, time- consuming and disruptive than planned repair or replacement.

- It focuses community and the City Council's attention to priorities, goals, needs and capabilities. There are always more needs and competing projects than available funds. A good project plan forces the city to consciously set priorities between competing projects and interests.

- It provides a framework for decisions about community growth and development. Long-range planning for infrastructure needs allows the community to accommodate reasonable growth in new facilities while maintaining existing infrastructure, based on goals established through the planning process.

- It promotes a more efficient government operation. Coordination of projects can minimize disruption and reduce scheduling problems and conflicts between several projects. Related projects, such as sidewalks, drainage and roads, can be planned simultaneously.

- It helps distribute costs more equitably over a longer period of time, avoiding the need to impose spikes in tax financing. For example, new projects can be scheduled as current debt levels decline.

- It enhances opportunities for outside financial assistance. Adequate lead time allows for the opportunity to explore all avenues of outside grant funding with federal, state, and local financial assistance programs.

- It serves as an effective community education tool in conveying to the public that the City Council has made decisions that affect the future of the city and in its implementation provides guidance for development of the community.

FINANCIAL POLICIES & REVENUE SOURCES

The City Council has adopted policies that encourage fiscal responsibility while establishing reliable sources of funding for project expenditures on an ongoing basis. Described below are policies and revenues sources which support the CIP process.

Revenue Policies and Sources

- In 2012 City Council adopted Ordinance No. 1561 which was later amended by Ordinance No. 1637 in 2015, which defines one-time revenues and restricts the use of those identified one-time revenues to fund municipal capital improvements projects.

- Rate studies in proprietary funds are conducted periodically to determine the adequacy of user charges and annual contributions for capital improvements. The Surface Water Management Utility completed its latest rate study in 2015. In November 2015 the City Council approved Ordinance No. 1627 adopting a five-year plan for rate increases as proposed by the Surface Water Management Utility Rate Study. The rate increase is a combination of an increase related to the CCI/CPI inflation index and a fixed rate increase after applying the CCI/CPI inflation index. In June 2017, the City Council approved Ordinance No. 1685 adopting increases in Marina rates effective July 1, 2017, and January 1 for each succeeding year through 2020.

- Park in-lieu fees from single-family subdivisions and multi-family developments are used for the acquisition and development of neighborhood parks determined necessary as a consequence of the proposed development, or for designated community parks.

- Transportation Impact Fees are used to pay for past and future payments of capital expenditures for growth related transportation improvements and are also available to repay the debt service on bonds or loans financed for growth related transportation improvements

Debt Management Policies:

- The city shall determine the most advantageous financing method for all new projects. Whenever possible, the city shall identify alternative sources of funding and shall examine the availability of all sources in order to minimize the level of debt.

- Pay-as-you-go financing of capital improvements shall be utilized whenever possible.

- The city shall utilize intergovernmental contribution, when available, to finance capital improvements that are consistent with the goals and priorities of the city.

- The scheduled maturities of long-term obligations shall not exceed the expected useful life of the capital project or asset financed.

CAPITAL IMPROVEMENTS PLAN PROCESS

The capital improvements plan process is built around the following eight steps:

1. *Establish administrative and policy framework for capital programming and budgeting.* The first step in implementing an effective capital improvements planning and budget process is to establish the underlying organizational and policy framework within which the process operates. All requests for capital improvements projects are submitted to the Finance Department.

2. *Prepare inventory of existing facilities.* Each governmental unit compiles an inventory of its own physical plant. This helps to indicate the eventual need for renewal, replacements, expansion or retirement of some of the physical plant. This often is accomplished through a master plan process.

3. *Review the status of on-going projects*. The estimated costs of these projects are reviewed to ensure accuracy and monitor the funding necessary to complete the project.

4. *Perform financial analysis and financial programming.* Financial analysis involves the determination of the City of Des Moines' financial capability for major expenditures by examining past, present and future revenue, expenditures and municipal debt. The selection and scheduling of funding sources of theses major expenditures is known as financial programming. Some of the important objectives of financial programming include:

- Smoothing the tax rate impacts
- Maintaining a preferred balance of debt service and current expenditures
- Determining debt capacity and appropriate debt service levels
- Maximizing intergovernmental aid relative to local expenditures

The intent is to come up with a level of project expenditures which the municipality can safely afford over the next several years while maintaining a minimal impact of the property tax rate and other municipal revenues.

5. *Compile and evaluate project requests*. Once the Finance Department has completed reviewing and summarizing the CIP requests, the CIP requests are then presented to the City Council Committees (Environment Committee for Surface Water Management capital projects; Municipal Facilities Committee for Parks, Administrative and Maintenance Facilities, and Marina capital projects; Transportation Committee for Transportation capital projects) for review and prioritization based on the criteria contained in the Capital Project Criteria section.

6. *Adopt the capital program and budget.* The City Council as a whole, reviews, modifies and adopts the Capital Improvements Plan by the end of the second quarter. Continuing projects plus projects listed in the CIP to start the next fiscal year are included in the Operating Budget which council adopts before the end of the current year.

7. *Monitoring the Capital Project Budget.* Monitoring the approved capital project budget requires appropriate actions from the Finance Department. Since capital projects often involve time-consuming activities such as bidding, site selection, and lengthy purchasing and construction delays, the actual implementation of projects may be completed somewhat later than the designated year. If funds are incomplete, it may be desirable to split the project over two funding years. An example of this would be

completing the Engineering design and bid specification development in one year and the actual construction in the second year.

8. *Modifications.* Significant change in project scope, time or costs requires a budget amendment by the City Council.

CAPITAL PROJECT EVALUATION CRITERIA

Legal. A State or Federal mandate may require a project be implemented. Court orders and judgments concerning annexation property owners' rights, environmental protection, etc. are examples of legal requirements which may affect project prioritization.

Safety. Benefit to the environment, safety or public health of the community is evaluated. For example, all street projects concern public safety, but streets for which documented evidence of existing safety hazards are given higher priority.

Comprehensive Plan. Consistency with the city's Comprehensive Plan is important. Capital projects may directly or indirectly relate to comprehensive plan and should be consistent with the comprehensive plan.

Funding. The extent to which outside funding is available for a project or purchase is evaluated.

Related Project. Sometimes projects in one category are essential to the success of those in others. Related projects proposed by other departments or governmental jurisdictions may even affect a savings to a particular project. Coordination of street projects with utility programs within the city (or those planned by other jurisdictions) can reduce costs and minimize public inconvenience. A surface water line replacement needed in three years may be given a higher priority in order to coincide with a street resurfacing project needed immediately.

Efficiencies. Projects which substantially improve the quality of service at the same operating cost, or eliminate obsolete and inefficient facilities, or lower operating costs are given higher priority.

Economic Impact. A project may affect the local economy. Increases or decreases in property valuations may occur. Rapid growth in the area may increase the city's land acquisition costs if the project is deferred.

Public Support. Projects are generally more easily implemented if there is public demand and support for them.

(This Page is Intentionally Left Blank)

SUMMARY LISTING OF PROJECT EXPENDITURES AND FUNDING SOURCES

(This Page is Intentionally Left Blank)

CITY OF DES MOINES

CIP EXPENDITURE SUMMARY: 2027-2032

(Amounts in Thousands)

Major Category	CIP Category	Master Project ID	Project Status	Project Name	Total Current Budget	Total Requested Change	Sum of Total Budget	Project to Date 12/31/2025	Plan Year 2026	Plan Year 2027	Plan Year 2028	Plan Year 2029	Plan Year 2030	Plan Year 2031	Plan Year 2032
Building Facility Projects	Building Facility Project	BDCIP0004	Active	Founders' Lodge	357	122	479	74	284	121	-	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0007	Active	LED Exterior Lighting	90	4	94	-	-	-	-	94	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0011	Active	City Hall Canopy Repairs	102	5	107	-	-	-	-	107	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0012	Active	Service Center Material Storage Improvements	405	(78)	327	-	-	33	294	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0013	Active	Service Center Fueling Station Canopy & Fuel Tank Replacement	1,643	99	1,742	-	-	-	245	1,497	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0017	Active	Citywide Mechanical & HVAC Equipment and Roofing Replacements	350	63	413	-	50	53	56	59	62	65	68
Building Facility Projects	Building Facility Project	BDCIP0019	Closing	Activity Center Roof & Solar	247	-	247	230	17	-	-	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0020	Active	PW Service Center and PD Vehicle Gates	48	-	48	-	48	-	-	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0021	Active	IT Main Office HVAC System	-	71	71	-	-	71	-	-	-	-	-
Building Facility Projects	**Building Facility Project Total**				**3,242**	**286**	**3,528**	**304**	**399**	**278**	**595**	**1,757**	**62**	**65**	**68**
Building Facility Projects	Technology Projects	BDCIP0018	Active	City Fiber Loop Completion	1,390	-	1,390	-	-	1,390	-	-	-	-	-
Building Facility Projects	**Technology Projects Total**				**1,390**	**-**	**1,390**	**-**	**-**	**1,390**	**-**	**-**	**-**	**-**	**-**
Building Facility Projects Total					**4,632**	**286**	**4,918**	**304**	**399**	**1,668**	**595**	**1,757**	**62**	**65**	**68**
Marina Capital Improvements	Marina Capital Improvements	MACIP0001	Closing	Marina Dredging	857	(356)	501	501	-	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0003	Active	Dock Electrical Replacements	246	-	246	2	-	61	61	122	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0005	Closing	Marina Dock Replacement	13,117	-	13,117	10,634	2,483	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0007	Active	Tenant Restroom Replacement	806	772	1,578	18	1,560	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0008	Closing	CSR Roof Replacement	79	(1)	78	78	-	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0010	Active	Marina Dock Ferry Electrification	-	117	117	-	117	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0011	Active	Marina Small Projects	-	24	24	-	12	12	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0012	Active	Seawall and Esplanade	-	34,070	34,070	-	-	-	3,030	-	-	-	31,040
Marina Capital Improvements	**Marina Capital Improvements Total**				**15,105**	**34,626**	**49,731**	**11,233**	**4,172**	**73**	**3,091**	**122**	**-**	**-**	**31,040**
Marina Capital Improvements Total					**15,105**	**34,626**	**49,731**	**11,233**	**4,172**	**73**	**3,091**	**122**	**-**	**-**	**31,040**
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0001	Active	DMBP Sun Home Lodge Rehab	1,017	-	1,017	50	-	-	-	142	-	-	825
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0005	Closing	Field House Play Equipment	752	(10)	742	742	-	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0012	Closing	Redondo Fishing Pier	5,588	-	5,588	2,331	3,257	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0015	Active	Midway Park	6,367	3,917	10,284	3,201	242	-	6,841	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0018	Active	Redondo Restroom	2,612	-	2,612	2,481	131	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0024	Active	Police HVAC	1,912	115	2,027	-	-	-	242	1,785	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0028	Active	City Hall Parking Lot	517	31	548	-	-	-	-	49	499	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0031	Active	N. Side Redondo Floats	475	65	540	16	524	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0034	Active	Midway Park Youth Soccer Field	30	434	464	27	53	-	384	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0035	Active	Redondo Esplanade Improvements	40	2,132	2,172	40	-	26	306	1,800	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0036	Active	Cliff Ave Connector	36	3,112	3,148	37	-	26	356	2,729	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0037	Closing	SJU Light Repair	15	-	15	15	-	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0038	Closing	Field House Lighting Upgrades	15	61	76	-	76	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0039	Closing	Field House Exterior Painting	-	74	74	-	74	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0040	Active	Parks Maintenance (Levy Funded)	-	414	414	-	51	53	56	59	62	65	68
Municipal Capital Improvements	**Park Facility & Playground Projects Total**				**19,376**	**10,345**	**29,721**	**8,940**	**4,408**	**105**	**8,185**	**6,564**	**561**	**65**	**893**
Municipal Capital Improvements	Waterfront Facility Projects	MCCIP0021	Closing	Marina, Beach Park Paid Parking	360	-	360	354	6	-	-	-	-	-	-
Municipal Capital Improvements	Waterfront Facility Projects	MCCIP0030	Active	Marina Steps & Promenade	12,888	(278)	12,610	1,483	11,127	-	-	-	-	-	-
Municipal Capital Improvements	**Waterfront Facility Projects Total**				**13,248**	**(278)**	**12,970**	**1,837**	**11,133**	**-**	**-**	**-**	**-**	**-**	**-**
Municipal Capital Improvements	General Services	MCCIP0041	Active	City Hall Suite A Restroom & Kitchen	-	254	254	-	254	-	-	-	-	-	-
Municipal Capital Improvements	**General Services Total**				**-**	**254**	**254**	**-**	**254**	**-**	**-**	**-**	**-**	**-**	**-**
Municipal Capital Improvements Total					**32,624**	**10,321**	**42,945**	**10,777**	**15,795**	**105**	**8,185**	**6,564**	**561**	**65**	**893**
Surface Water Management Capital	Surface Water Management	SWCIP0002	Closing	24th Ave Pipeline Replacement/Upgrade	1,335	(132)	1,203	1,189	14	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0015	Closing	DMMD 208th to 212th Pipe Project	1,770	(136)	1,634	1,575	59	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0018	Active	S. 200th St. Drainage Improvements	51	142	193	-	193	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0019	Active	Service Center Material Storage Improvments	102	-	102	-	-	11	91	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0020	Active	5th Ave/212th Street Pipe Upgrade	1,813	(7)	1,806	-	312	1,494	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0021	Closing	216th Pl./ Marine View Dr. Pipe Upgrade	631	(10)	621	597	24	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0024	Active	Des Moines Creek Estuary Restoration	18,731	(4,662)	14,069	419	497	309	208	12,636	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0025	Closing	Massey Creek Pocket Estuary and Fish Passage	132	1	133	130	3	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0029	Active	6th Pl/287th Street Pipe Replacement	1,623	63	1,686	288	128	1,270	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0030	Active	232nd St (10th to 14th) Pipe Project	1,245	-	1,245	-	-	-	281	964	-	-	-

Surface Water Management Capital	Surface Water Management	SWCIP0031	Active	16th Ave S Ditch Decommissioning & Stormwater Improvement	1,428	-	1,428	25	1,403	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0032	Active	KDM/16th Ave B Pipe Project	1,864	1	1,865	-	32	425	1,408	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0033	Active	Pipe Repair and Replacement Project Program	3,077	655	3,732	172	495	457	479	502	526	551	551
Surface Water Management Capital	Surface Water Management	SWCIP0035	Active	MVD Pond Retrofit	1,238	100	1,338	72	154	1,112	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0036	Active	13th Ave S Bioswale Retrofit	234	13	247	-	-	50	197	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0037	Closing	Wooton Park Parcel Acquisition	486	(29)	457	441	16	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0039	Active	Beach Park Hillside Pipe Replacement	64	138	202	8	-	194	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0040	Active	North Hill Storm Improvements	2,339	-	2,339	-	-	-	-	434	1,905	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0041	Active	Midway Storm Improvements	1,044	-	1,044	-	-	-	-	-	263	781	-
Surface Water Management Capital	Surface Water Management	SWCIP0042	Active	Saltwater Highlands Pond Retrofit	572	-	572	-	-	-	-	-	96	476	-
Surface Water Management Capital	Surface Water Management	SWCIP0043	Active	240th Street (MVD to 11th Pl) Pipe Project	-	570	570	-	-	-	-	-	-	175	395
Surface Water Management Capital	Surface Water Management	SWCIP0044	Active	Marina Steps Bioretention Planters	-	177	177	-	177	-	-	-	-	-	-
Surface Water Management Capital	**Surface Water Management Total**				**39,779**	**(3,115)**	**36,664**	**4,916**	**3,507**	**5,322**	**2,664**	**14,536**	**2,790**	**1,983**	**946**
Surface Water Management Capital Total					**39,779**	**(3,115)**	**36,664**	**4,916**	**3,507**	**5,322**	**2,664**	**14,536**	**2,790**	**1,983**	**946**
Transportation Projects	Arterial Street Repaving	TRCIP0003	Active	Street Pavement Preservation	12,322	1,078	13,400	4,963	1,051	1,106	1,156	1,206	1,256	1,306	1,356
Transportation Projects	**Arterial Street Repaving Total**				**12,322**	**1,078**	**13,400**	**4,963**	**1,051**	**1,106**	**1,156**	**1,206**	**1,256**	**1,306**	**1,356**
Transportation Projects	Street Operating Projects	TRCIP0001	Active	ADA Compliance Program	484	196	680	219	39	62	62	72	72	72	82
Transportation Projects	Street Operating Projects	TRCIP0002	Active	Guardrail Program	228	17	245	40	37	28	28	28	28	28	28
Transportation Projects	**Street Operating Projects Total**				**712**	**213**	**925**	**259**	**76**	**90**	**90**	**100**	**100**	**100**	**110**
Transportation Projects	Transportation - Capital Projects	TRCIP0006	Active	S 224th St Improvements	914	-	914	1	-	243	670	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0007	Active	Downtown Alley Improvement	791	-	791	2	789	-	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0008	Active	Barnes Creek Trail	10,322	609	10,931	2,899	7,819	213	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0009	Active	16th Ave - Seg 5A	204	-	204	-	-	-	-	-	204	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0010	Closing	24th Ave S. Improvements Project (Segment 2)	9,988	-	9,988	8,653	1,335	-	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0011	Active	Marine View Dr / South 240th St. Intersection Improvement	2,178	-	2,178	56	-	-	-	-	585	1,537	-
Transportation Projects	Transportation - Capital Projects	TRCIP0012	Active	Arterial Traffic Calming	848	335	1,183	239	129	280	107	107	107	107	107
Transportation Projects	Transportation - Capital Projects	TRCIP0016	Active	South 240th Street Improvements - Segment 1	7,550	-	7,550	-	-	-	-	950	6,600	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0021	Active	North Hill Elementary Walkway Improvements	5,422	599	6,021	1,011	889	4,121	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0023	Active	Kent-Des Moines Rd - Seg 2	7,269	-	7,269	-	-	-	-	-	-	995	6,274
Transportation Projects	Transportation - Capital Projects	TRCIP0024	Active	30th Ave S Improvements - South Segments	6,156	490	6,646	-	-	-	1,096	5,550	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0025	Active	South 240th Street Improvements - Segment 3	5,890	-	5,890	-	-	-	-	-	940	4,950	-
Transportation Projects	Transportation - Capital Projects	TRCIP0026	Active	S 223rd Strt Complete Street Impr	1,381	(424)	957	320	-	637	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0027	Active	24th Ave S Improvements - Segment 1	-	9,337	9,337	-	515	943	5,774	2,105	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0028	Active	Safe Streets for All	-	1,952	1,952	-	61	718	-	1,173	-	-	-
Transportation Projects	**Transportation - Capital Projects Total**				**58,913**	**12,898**	**71,811**	**13,181**	**11,537**	**7,155**	**7,647**	**9,885**	**8,436**	**7,589**	**6,381**
Transportation Projects Total					**71,947**	**14,189**	**86,136**	**18,403**	**12,664**	**8,351**	**8,893**	**11,191**	**9,792**	**8,995**	**7,847**
Grand Total					**164,087**	**56,306**	**220,393**	**45,633**	**36,537**	**15,519**	**23,427**	**34,170**	**13,205**	**11,108**	**40,794**

CITY OF DES MOINES
CIP REVENUE SUMMARY: 2026-2031
(Amounts in Thousands)

Major Category	CIP Category	Master Project ID	Project Status	Project Name	Total Current Budget	Total Requested Change	Sum of Total Budget	Project to Date 12/31/2025	Plan Year 2026	Plan Year 2027	Plan Year 2028	Plan Year 2029	Plan Year 2030	Plan Year 2031	Plan Year 2032
Building Facility Projects	Building Facility Project	BDCIP0004	Active	Founders' Lodge	357	122	479	70	288	121	-	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0007	Active	LED Exterior Lighting	90	4	94	-	-	-	-	94	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0011	Active	City Hall Canopy Repairs	102	5	107	-	-	-	-	107	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0012	Active	Service Center Material Storage Improvements	405	(78)	327	-	-	43	284	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0013	Active	Service Center Fueling Station Canopy & Fuel Tank Replacement	66	(66)	-	-	-	-	-	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0017	Active	Citywide Mechanical & HVAC Equipment and Roofing Replacements	350	63	413	-	50	53	56	59	62	65	68
Building Facility Projects	Building Facility Project	BDCIP0019	Closing	Activity Center Roof & Solar	247	-	247	245	2	-	-	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0020	Active	PW Service Center and PD Vehicle Gates	48	-	48	-	48	-	-	-	-	-	-
Building Facility Projects	Building Facility Project	BDCIP0021	Active	IT Main Office HVAC System	-	71	71	-	-	71	-	-	-	-	-
Building Facility Projects	**Building Facility Project Total**				**1,665**	**121**	**1,786**	**315**	**388**	**288**	**340**	**260**	**62**	**65**	**68**
Building Facility Projects	Technology Projects	BDCIP0018	Active	City Fiber Loop Completion	-	-	-	-	-	-	-	-	-	-	-
Building Facility Projects	**Technology Projects Total**				**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Building Facility Projects Total					**1,665**	**121**	**1,786**	**315**	**388**	**288**	**340**	**260**	**62**	**65**	**68**
Marina Capital Improvements	Marina Capital Improvements	MACIP0001	Closing	Marina Dredging	857	(356)	501	799	(298)	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0003	Active	Dock Electrical Replacements	246	-	246	120	4	61	61	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0005	Closing	Marina Dock Replacement	13,117	-	13,117	13,003	114	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0007	Active	Tenant Restroom Replacement	806	772	1,578	16	1,562	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0008	Closing	CSR Roof Replacement	79	(1)	78	77	1	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0010	Active	Marina Dock Ferry Electrification	-	117	117	-	117	-	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0011	Active	Marina Small Projects	-	24	24	-	12	12	-	-	-	-	-
Marina Capital Improvements	Marina Capital Improvements	MACIP0012	Active	Seawall and Esplanade	-	34,070	34,070	-	-	-	3,030	-	-	-	31,040
Marina Capital Improvements	**Marina Capital Improvements Total**				**15,105**	**34,626**	**49,731**	**14,015**	**1,512**	**73**	**3,091**	**-**	**-**	**-**	**31,040**
Marina Capital Improvements Total					**15,105**	**34,626**	**49,731**	**14,015**	**1,512**	**73**	**3,091**	**-**	**-**	**-**	**31,040**
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0001	Active	DMBP Sun Home Lodge Rehab	1,017	-	1,017	49	-	-	-	142	-	-	826
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0005	Closing	Field House Play Equipment	752	(12)	740	739	1	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0012	Closing	Redondo Fishing Pier	5,588	-	5,588	4,807	781	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0015	Active	Midway Park	6,367	3,917	10,284	3,199	242	-	6,843	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0018	Active	Redondo Restroom	2,612	-	2,612	2,474	138	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0024	Active	Police HVAC	1,159	(452)	707	-	-	-	242	465	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0028	Active	City Hall Parking Lot	-	-	-	-	-	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0031	Active	N. Side Redondo Floats	475	65	540	15	525	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0034	Active	Midway Park Youth Soccer Field	30	434	464	26	54	-	384	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0035	Active	Redondo Esplanade Improvements	40	2,132	2,172	39	1	26	306	1,800	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0036	Active	Cliff Ave Connector	36	3,112	3,148	36	-	26	356	2,730	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0037	Closing	SJU Light Repair	15	-	15	15	-	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0038	Closing	Field House Lighting Upgrades	-	76	76	-	76	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0039	Closing	Field House Exterior Painting	-	74	74	-	74	-	-	-	-	-	-
Municipal Capital Improvements	Park Facility & Playground Projects	MCCIP0040	Active	Parks Maintenance (Levy Funded)	-	414	414	-	51	53	56	59	62	65	68
Municipal Capital Improvements	**Park Facility & Playground Projects Total**				**18,091**	**9,760**	**27,851**	**11,399**	**1,943**	**105**	**8,187**	**5,196**	**62**	**65**	**894**
Municipal Capital Improvements	Waterfront Facility Projects	MCCIP0021	Closing	Marina, Beach Park Paid Parking	360	-	360	360	-	-	-	-	-	-	-
Municipal Capital Improvements	Waterfront Facility Projects	MCCIP0030	Active	Marina Steps & Promenade	12,888	(278)	12,610	8,390	4,220	-	-	-	-	-	-
Municipal Capital Improvements	**Waterfront Facility Projects Total**				**13,248**	**(278)**	**12,970**	**8,750**	**4,220**	**-**	**-**	**-**	**-**	**-**	**-**
Municipal Capital Improvements	General Services	MCCIP0041	Active	City Hall Suite A Restroom & Kitchen	-	254	254	-	254	-	-	-	-	-	-
Municipal Capital Improvements	**General Services Total**				**-**	**254**	**254**	**-**	**254**	**-**	**-**	**-**	**-**	**-**	**-**
Municipal Capital Improvements Total					**31,339**	**9,736**	**41,075**	**20,149**	**6,417**	**105**	**8,187**	**5,196**	**62**	**65**	**894**
Surface Water Management Capital	Surface Water Management	SWCIP0002	Closing	24th Ave Pipeline Replacement/Upgrade	1,335	(132)	1,203	1,187	16	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0015	Closing	DMMD 208th to 212th Pipe Project	1,770	(136)	1,634	1,571	63	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0018	Active	S. 200th St. Drainage Improvements	51	142	193	-	193	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0019	Active	Service Center Material Storage Improvments	102	-	102	-	-	11	91	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0020	Active	5th Ave/212th Street Pipe Upgrade	1,813	(7)	1,806	-	313	1,493	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0021	Closing	216th Pl./ Marine View Dr. Pipe Upgrade	631	(10)	621	594	27	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0024	Active	Des Moines Creek Estuary Restoration	18,731	(4,662)	14,069	417	449	308	208	12,687	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0025	Closing	Massey Creek Pocket Estuary and Fish Passage	132	1	133	129	4	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0029	Active	6th Pl/287th Street Pipe Replacement	1,623	63	1,686	287	128	1,271	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0030	Active	232nd St (10th to 14th) Pipe Project	1,245	-	1,245	-	-	-	281	964	-	-	-

Surface Water Management Capital	Surface Water Management	SWCIP0031	Active	16th Ave S Ditch Decommissioning & Stormwater Improvement	1,428	-	1,428	24	1,404	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0032	Active	KDM/16th Ave B Pipe Project	1,864	1	1,865	-	32	425	1,408	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0033	Active	Pipe Repair and Replacement Project Program	3,077	655	3,732	167	500	457	479	502	526	551	550
Surface Water Management Capital	Surface Water Management	SWCIP0035	Active	MVD Pond Retrofit	1,238	100	1,338	71	154	1,113	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0036	Active	13th Ave S Bioswale Retrofit	234	13	247	-	-	50	197	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0037	Closing	Wooton Park Parcel Acquisition	486	(29)	457	478	(21)	-	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0039	Active	Beach Park Hillside Pipe Replacement	64	138	202	8	-	194	-	-	-	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0040	Active	North Hill Storm Improvements	2,339	-	2,339	-	-	-	-	434	1,905	-	-
Surface Water Management Capital	Surface Water Management	SWCIP0041	Active	Midway Storm Improvements	1,044	-	1,044	-	-	-	-	-	263	781	-
Surface Water Management Capital	Surface Water Management	SWCIP0042	Active	Saltwater Highlands Pond Retrofit	572	-	572	-	-	-	-	-	96	476	-
Surface Water Management Capital	Surface Water Management	SWCIP0043	Active	240th Street (MVD to 11th Pl) Pipe Project	-	570	570	-	-	-	-	-	-	175	395
Surface Water Management Capital	Surface Water Management	SWCIP0044	Active	Marina Steps Bioretention Planters	-	177	177	-	177	-	-	-	-	-	-
Surface Water Management Capital	**Surface Water Management Total**				**39,779**	**(3,116)**	**36,663**	**4,933**	**3,439**	**5,322**	**2,664**	**14,587**	**2,790**	**1,983**	**945**
Surface Water Management Capital Total					**39,779**	**(3,116)**	**36,663**	**4,933**	**3,439**	**5,322**	**2,664**	**14,587**	**2,790**	**1,983**	**945**
Transportation Projects	Arterial Street Repaving	TRCIP0003	Active	Street Pavement Preservation	12,322	1,078	13,400	4,958	1,056	1,106	1,156	1,206	1,256	1,306	1,356
Transportation Projects	**Arterial Street Repaving Total**				**12,322**	**1,078**	**13,400**	**4,958**	**1,056**	**1,106**	**1,156**	**1,206**	**1,256**	**1,306**	**1,356**
Transportation Projects	Street Operating Projects	TRCIP0001	Active	ADA Compliance Program	484	196	680	219	39	62	62	72	72	72	82
Transportation Projects	Street Operating Projects	TRCIP0002	Active	Guardrail Program	228	17	245	37	40	28	28	28	28	28	28
Transportation Projects	**Street Operating Projects Total**				**712**	**213**	**925**	**256**	**79**	**90**	**90**	**100**	**100**	**100**	**110**
Transportation Projects	Transportation - Capital Projects	TRCIP0006	Active	S 224th St Improvements	914	-	914	760	154	-	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0007	Active	Downtown Alley Improvement	791	-	791	516	275	-	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0008	Active	Barnes Creek Trail	10,322	609	10,931	2,907	8,024	-	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0009	Active	16th Ave - Seg 5A	204	-	204	204	-	-	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0010	Closing	24th Ave S. Improvements Project (Segment 2)	9,988	-	9,988	9,500	488	-	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0011	Active	Marine View Dr / South 240th St. Intersection Improvement	2,178	-	2,178	55	-	-	-	-	390	1,733	-
Transportation Projects	Transportation - Capital Projects	TRCIP0012	Active	Arterial Traffic Calming	848	335	1,183	237	131	280	107	107	107	107	107
Transportation Projects	Transportation - Capital Projects	TRCIP0016	Active	South 240th Street Improvements - Segment 1	7,550	-	7,550	87	-	-	-	950	6,513	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0021	Active	North Hill Elementary Walkway Improvements	5,422	599	6,021	1,009	4,495	517	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0023	Active	Kent-Des Moines Rd - Seg 2	7,269	-	7,269	-	-	-	-	-	-	995	6,274
Transportation Projects	Transportation - Capital Projects	TRCIP0024	Active	30th Ave S Improvements - South Segments	6,100	490	6,590	-	490	490	110	5,500	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0025	Active	South 240th Street Improvements - Segment 3	5,890	-	5,890	-	-	-	-	-	940	4,950	-
Transportation Projects	Transportation - Capital Projects	TRCIP0026	Active	S 223rd Strt Complete Street Impr	336	580	916	318	-	598	-	-	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0027	Active	24th Ave S Improvements - Segment 1	-	9,337	9,337	-	515	943	5,774	2,105	-	-	-
Transportation Projects	Transportation - Capital Projects	TRCIP0028	Active	Safe Streets for All	-	1,952	1,952	-	61	718	-	1,173	-	-	-
Transportation Projects	**Transportation - Capital Projects Total**				**57,812**	**13,902**	**71,714**	**15,593**	**14,633**	**3,546**	**5,991**	**9,835**	**7,950**	**7,785**	**6,381**
Transportation Projects Total					**70,846**	**15,193**	**86,039**	**20,807**	**15,768**	**4,742**	**7,237**	**11,141**	**9,306**	**9,191**	**7,847**
Grand Total					**158,734**	**56,560**	**215,294**	**60,219**	**27,524**	**10,530**	**21,519**	**31,184**	**12,220**	**11,304**	**40,794**

CITY OF DES MOINES

CIP REVENUE SOURCE SUMMARY: 2027-2032

(Amounts in Thousands)

Funding Source Name	Actuals to Date Prior Year	Actuals Current Year	Plan Year 2026	Plan Year 2027	Plan Year 2028	Plan Year 2029	Plan Year 2030	Plan Year 2031	Plan Year 2032	Total 6 Year Plan
General Fund Transfer	545	-	-	-	-	-	-	-	-	545
Arterial Pavement Fund	15	-	-	-	-	-	-	-	-	15
Franchise Fees	5,169	-	1,812	217	200	-	-	-	-	7,398
ASE (Automated Speed Enforcement) Transfer	514	-	105	222	1,074	1,218	-	-	-	3,133
Transportation Benefit District Fund Transfer	1,520	4	1,755	850	600	650	700	750	800	7,625
Debt Proceeds	24,448	-	-	-	-	-	-	-	31,040	55,488
REET 1	856	14	2,593	114	477	501	62	65	77	4,745
REET 2	401	1	1,145	121	-	165	-	-	-	1,832
King County Park Levy	770	-	256	105	440	59	62	65	68	1,825
Park in-Lieu	284	-	69	-	-	-	-	-	-	353
One Time Tax	147	-	344	-	-	-	-	-	-	491
Traffic in-Lieu	594	-	490	490	-	-	570	3,252	-	5,396
Traffic Impact Fees - City Wide	1,126	-	63	239	1,000	700	-	495	59	3,682
Traffic Impact Fees - Pac Ridge	606	-	-	-	-	-	-	-	-	606
Marina Rates	2,441	1	1,411	73	3,091	-	-	-	-	7,016
Surface Water Utility	3,320	142	2,700	3,859	2,267	1,900	2,790	1,983	945	19,764
Surface Water Utility - Cost Reimbursement	6	-	192	-	-	-	-	-	-	198
Facility Repair & Replace Fund Transfer	-	-	48	71	105	201	-	-	-	425
Local Grants (Secured)	3,991	314	2,219	150	1,250	-	-	-	-	7,610
Local Grants (Unsecured)	324	-	360	150	295	470	3,510	-	5,858	10,967
State Grants (Secured)	9,221	379	7,969	1,280	3,500	350	-	-	-	22,320
State Grants (Unsecured)	-	-	-	1,163	1,624	23,197	3,400	3,431	1,174	33,989
Federal Grants (Secured)	840	-	173	500	727	1,010	-	-	-	3,250
Federal Grants (Unsecured)	-	-	-	-	4,116	-	-	-	-	4,116
Private Contributions	451	-	726	-	-	-	363	500	-	2,040
Interlocal Agreement	2,398	604	1,174	-	-	-	-	-	-	3,572
Fund Balance	41	-	-	-	-	-	-	-	-	41

Legal Settlements	13	230	876	-	-	-	-	-	-	889
Redondo Speed Enforcement	73	13	1,043	926	753	763	763	763	773	5,857
Marina Building Maintenance Fees	36	1	1	-	-	-	-	-	-	37
	60,219	**1,703**	**27,524**	**10,530**	**21,519**	**31,184**	**12,220**	**11,304**	**40,794**	**215,294**

CITY OF DES MOINES

CIP REVENUE SOURCE PROJECT DETAIL: 2027-2032

(Amounts in Thousands)

Funding Source Name	Master Project ID	Project Name	Project Status	Total Current Budget	Total Requested Change	Sum of Total Budget	Project to Date 12/31/2025	Plan Year 2026	Plan Year 2027	Plan Year 2028	Plan Year 2029	Plan Year 2030	Plan Year 2031	Plan Year 2032
General Fund Transfer	TRCIP0001	ADA Compliance Program	Active	-	-	-	-	-	-	-	-	-	-	-
	TRCIP0007	Downtown Alley Improvement	Active	393	-	393	393	-	-	-	-	-	-	-
	TRCIP0012	Arterial Traffic Calming	Active	152	-	152	152	-	-	-	-	-	-	-
General Fund Transfer Total				**545**	**-**	**545**	**545**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Arterial Pavement Fund	TRCIP0003	Street Pavement Preservation	Active	15	-	15	15	-	-	-	-	-	-	-
Arterial Pavement Fund Total				**15**	**-**	**15**	**15**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Franchise Fees	TRCIP0003	Street Pavement Preservation	Active	2,655	-	2,655	2,655	-	-	-	-	-	-	-
	TRCIP0008	Barnes Creek Trail	Active	705	609	1,314	107	1,207	-	-	-	-	-	-
	TRCIP0010	24th Ave S. Improvements Project (Segment 2)	Closing	2,594	(883)	1,711	2,406	(695)	-	-	-	-	-	-
	TRCIP0021	North Hill Elementary Walkway Improvements	Active	1,323	195	1,518	1	1,300	217	-	-	-	-	-
	TRCIP0027	24th Ave S Improvements - Segment 1	Active	-	200	200	-	-	-	200	-	-	-	-
Franchise Fees Total				**7,277**	**121**	**7,398**	**5,169**	**1,812**	**217**	**200**	**-**	**-**	**-**	**-**
Redondo Zone Parking Fund Transfer	MCCIP0031	N. Side Redondo Floats	Active	-	-	-	-	-	-	-	-	-	-	-
Redondo Zone Parking Fund Transfer Total				**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
ASE (Automated Speed Enforcement) Transfer	TRCIP0001	ADA Compliance Program	Active	132	-	132	132	-	-	-	-	-	-	-
	TRCIP0010	24th Ave S. Improvements Project (Segment 2)	Closing	254	-	254	254	-	-	-	-	-	-	-
	TRCIP0012	Arterial Traffic Calming	Active	15	-	15	15	-	-	-	-	-	-	-
	TRCIP0021	North Hill Elementary Walkway Improvements	Active	205	-	205	113	92	-	-	-	-	-	-
	TRCIP0027	24th Ave S Improvements - Segment 1	Active	-	2,135	2,135	-	2	4	1,074	1,055	-	-	-
	TRCIP0028	Safe Streets for All	Active	-	392	392	-	11	218	-	163	-	-	-
ASE (Automated Speed Enforcement) Transfer Total				**606**	**2,527**	**3,133**	**514**	**105**	**222**	**1,074**	**1,218**	**-**	**-**	**-**
Transportation Benefit District Fund Transfer	TRCIP0003	Street Pavement Preservation	Active	4,996	1,074	6,070	1,520	500	550	600	650	700	750	800
	TRCIP0007	Downtown Alley Improvement	Active	250	-	250	-	250	-	-	-	-	-	-
	TRCIP0008	Barnes Creek Trail	Active	505	-	505	-	505	-	-	-	-	-	-
	TRCIP0021	North Hill Elementary Walkway Improvements	Active	500	300	800	-	500	300	-	-	-	-	-
Transportation Benefit District Fund Transfer Total				**6,251**	**1,374**	**7,625**	**1,520**	**1,755**	**850**	**600**	**650**	**700**	**750**	**800**
Debt Proceeds	MACIP0005	Marina Dock Replacement	Closing	11,524	-	11,524	11,524	-	-	-	-	-	-	-
	MCCIP0012	Redondo Fishing Pier	Closing	4,454	-	4,454	4,454	-	-	-	-	-	-	-
	MCCIP0018	Redondo Restroom	Active	-	-	-	-	-	-	-	-	-	-	-
	MCCIP0021	Marina, Beach Park Paid Parking	Closing	360	-	360	360	-	-	-	-	-	-	-
	MCCIP0030	Marina Steps & Promenade	Active	8,110	-	8,110	8,110	-	-	-	-	-	-	-
	MACIP0012	Seawall and Esplanade	Active	-	31,040	31,040	-	-	-	-	-	-	-	31,040
Debt Proceeds Total				**24,448**	**31,040**	**55,488**	**24,448**	**-**	**-**	**-**	**-**	**-**	**-**	**31,040**
REET 1	BDCIP0004	Founders' Lodge	Active	70	-	70	70	-	-	-	-	-	-	-
	BDCIP0012	Service Center Material Storage Improvements	Active	-	222	222	-	-	43	179	-	-	-	-
	BDCIP0017	Citywide Mechanical & HVAC Equipment and Roofing Replacements	Active	350	63	413	-	50	53	56	59	62	65	68
	MCCIP0001	DMBP Sun Home Lodge Rehab	Active	155	-	155	4	-	-	-	142	-	-	9
	MCCIP0024	Police HVAC	Active	1,158	(616)	542	-	-	-	242	300	-	-	-
	MCCIP0028	City Hall Parking Lot	Active	-	-	-	-	-	-	-	-	-	-	-
	MCCIP0030	Marina Steps & Promenade	Active	1,750	410	2,160	-	2,160	-	-	-	-	-	-
	MCCIP0031	N. Side Redondo Floats	Active	-	181	181	-	181	-	-	-	-	-	-
	TRCIP0007	Downtown Alley Improvement	Active	-	25	25	-	25	-	-	-	-	-	-
	TRCIP0008	Barnes Creek Trail	Active	764	-	764	764	-	-	-	-	-	-	-
	TRCIP0021	North Hill Elementary Walkway Improvements	Active	-	-	-	-	-	-	-	-	-	-	-
	TRCIP0026	S 223rd Strt Complete Street Impr	Active	36	-	36	18	-	18	-	-	-	-	-
	SWCIP0044	Marina Steps Bioretention Planters	Active	-	177	177	-	177	-	-	-	-	-	-
REET 1 Total				**4,283**	**462**	**4,745**	**856**	**2,593**	**114**	**477**	**501**	**62**	**65**	**77**
REET 2	BDCIP0004	Founders' Lodge	Active	287	122	409	-	288	121	-	-	-	-	-
	MCCIP0005	Field House Play Equipment	Closing	242	(3)	239	238	1	-	-	-	-	-	-
	MCCIP0012	Redondo Fishing Pier	Closing	858	-	858	77	781	-	-	-	-	-	-
	MCCIP0015	Midway Park	Active	24	(1)	23	5	18	-	-	-	-	-	-
	MCCIP0018	Redondo Restroom	Active	78	-	78	44	34	-	-	-	-	-	-
	MCCIP0024	Police HVAC	Active	-	165	165	-	-	-	-	165	-	-	-

REET 2	TRCIP0002	Guardrail Program	Active	60	-	60	37	23	-	-	-	-	-	-
REET 2 Total				**1,549**	**283**	**1,832**	**401**	**1,145**	**121**	**-**	**165**	**-**	**-**	**-**
King County Park Levy	MCCIP0005	Field House Play Equipment	Closing	375	(9)	366	366	-	-	-	-	-	-	-
	MCCIP0034	Midway Park Youth Soccer Field	Active	30	434	464	26	54	-	384	-	-	-	-
	MCCIP0035	Redondo Esplanade Improvements	Active	40	26	66	39	1	26	-	-	-	-	-
	MCCIP0036	Cliff Ave Connector	Active	36	26	62	36	-	26	-	-	-	-	-
	MCCIP0037	SJU Light Repair	Closing	15	-	15	15	-	-	-	-	-	-	-
	TRCIP0008	Barnes Creek Trail	Active	288	-	288	288	-	-	-	-	-	-	-
	MCCIP0038	Field House Lighting Upgrades	Closing	-	76	76	-	76	-	-	-	-	-	-
	MCCIP0039	Field House Exterior Painting	Closing	-	74	74	-	74	-	-	-	-	-	-
	MCCIP0040	Parks Maintenance (Levy Funded)	Active	-	414	414	-	51	53	56	59	62	65	68
King County Park Levy Total				**784**	**1,041**	**1,825**	**770**	**256**	**105**	**440**	**59**	**62**	**65**	**68**
Park in-Lieu	MCCIP0015	Midway Park	Active	353	-	353	284	69	-	-	-	-	-	-
Park in-Lieu Total				**353**	**-**	**353**	**284**	**69**	**-**	**-**	**-**	**-**	**-**	**-**
One Time Tax	BDCIP0012	Service Center Material Storage Improvements	Active	200	(200)	-	-	-	-	-	-	-	-	-
	BDCIP0013	Service Center Fueling Station Canopy & Fuel Tank Replacement	Active	66	(66)	-	-	-	-	-	-	-	-	-
	MACIP0007	Tenant Restroom Replacement	Active	14	-	14	14	-	-	-	-	-	-	-
	MCCIP0021	Marina, Beach Park Paid Parking	Closing	-	-	-	-	-	-	-	-	-	-	-
	MCCIP0030	Marina Steps & Promenade	Active	500	(410)	90	-	90	-	-	-	-	-	-
	MCCIP0031	N. Side Redondo Floats	Active	126	(116)	10	10	-	-	-	-	-	-	-
	TRCIP0007	Downtown Alley Improvement	Active	148	(25)	123	123	-	-	-	-	-	-	-
	MCCIP0041	City Hall Suite A Restroom & Kitchen	Active	-	254	254	-	254	-	-	-	-	-	-
One Time Tax Total				**1,054**	**(563)**	**491**	**147**	**344**	**-**	**-**	**-**	**-**	**-**	**-**
Traffic in-Lieu	TRCIP0006	S 224th St Improvements	Active	154	-	154	154	-	-	-	-	-	-	-
	TRCIP0009	16th Ave - Seg 5A	Active	204	-	204	204	-	-	-	-	-	-	-
	TRCIP0010	24th Ave S. Improvements Project (Segment 2)	Closing	236	-	236	236	-	-	-	-	-	-	-
	TRCIP0011	Marine View Dr / South 240th St. Intersection Improvement	Active	617	-	617	-	-	-	-	-	270	347	-
	TRCIP0024	30th Ave S Improvements - South Segments	Active	490	490	980	-	490	490	-	-	-	-	-
	TRCIP0025	South 240th Street Improvements - Segment 3	Active	3,205	-	3,205	-	-	-	-	-	300	2,905	-
Traffic in-Lieu Total				**4,906**	**490**	**5,396**	**594**	**490**	**490**	**-**	**-**	**570**	**3,252**	**-**
Traffic Impact Fees - City Wide	TRCIP0008	Barnes Creek Trail	Active	190	-	190	190	-	-	-	-	-	-	-
	TRCIP0010	24th Ave S. Improvements Project (Segment 2)	Closing	881	-	881	881	-	-	-	-	-	-	-
	TRCIP0011	Marine View Dr / South 240th St. Intersection Improvement	Active	55	-	55	55	-	-	-	-	-	-	-
	TRCIP0023	Kent-Des Moines Rd - Seg 2	Active	554	-	554	-	-	-	-	-	-	495	59
	TRCIP0027	24th Ave S Improvements - Segment 1	Active	-	2,002	2,002	-	63	239	1,000	700	-	-	-
Traffic Impact Fees - City Wide Total				**1,680**	**2,002**	**3,682**	**1,126**	**63**	**239**	**1,000**	**700**	**-**	**495**	**59**
Traffic Impact Fees - Pac Ridge	TRCIP0006	S 224th St Improvements	Active	606	-	606	606	-	-	-	-	-	-	-
Traffic Impact Fees - Pac Ridge Total				**606**	**-**	**606**	**606**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Marina Rates	MACIP0001	Marina Dredging	Closing	857	(356)	501	799	(298)	-	-	-	-	-	-
	MACIP0003	Dock Electrical Replacements	Active	246	-	246	120	4	61	61	-	-	-	-
	MACIP0005	Marina Dock Replacement	Closing	1,593	-	1,593	1,479	114	-	-	-	-	-	-
	MACIP0007	Tenant Restroom Replacement	Active	792	772	1,564	2	1,562	-	-	-	-	-	-
	MACIP0008	CSR Roof Replacement	Closing	42	(1)	41	41	-	-	-	-	-	-	-
	MACIP0010	Marina Dock Ferry Electrification	Active	-	17	17	-	17	-	-	-	-	-	-
	MACIP0011	Marina Small Projects	Active	-	24	24	-	12	12	-	-	-	-	-
	MACIP0012	Seawall and Esplanade	Active	-	3,030	3,030	-	-	-	3,030	-	-	-	-
Marina Rates Total				**3,530**	**3,486**	**7,016**	**2,441**	**1,411**	**73**	**3,091**	**-**	**-**	**-**	**-**
Surface Water Utility	SWCIP0002	24th Ave Pipeline Replacement/Upgrade	Closing	1,335	(132)	1,203	1,187	16	-	-	-	-	-	-
	SWCIP0015	DMMD 208th to 212th Pipe Project	Closing	1,339	(136)	1,203	1,140	63	-	-	-	-	-	-
	SWCIP0018	S. 200th St. Drainage Improvements	Active	51	142	193	-	193	-	-	-	-	-	-
	SWCIP0019	Service Center Material Storage Improvments	Active	102	-	102	-	-	11	91	-	-	-	-
	SWCIP0020	5th Ave/212th Street Pipe Upgrade	Active	1,813	(7)	1,806	-	313	1,493	-	-	-	-	-
	SWCIP0021	216th Pl./ Marine View Dr. Pipe Upgrade	Closing	631	(10)	621	594	27	-	-	-	-	-	-
	SWCIP0024	Des Moines Creek Estuary Restoration	Active	195	(169)	26	2	8	8	8	-	-	-	-
	SWCIP0025	Massey Creek Pocket Estuary and Fish Passage	Closing	6	(1)	5	1	4	-	-	-	-	-	-
	SWCIP0029	6th Pl/287th Street Pipe Replacement	Active	1,374	63	1,437	41	125	1,271	-	-	-	-	-
	SWCIP0030	232nd St (10th to 14th) Pipe Project	Active	1,245	-	1,245	-	-	-	281	964	-	-	-
	SWCIP0031	16th Ave S Ditch Decommissioning & Stormwater Improvement	Active	1,428	-	1,428	24	1,404	-	-	-	-	-	-
	SWCIP0032	KDM/16th Ave B Pipe Project	Active	1,864	1	1,865	-	32	425	1,408	-	-	-	-
	SWCIP0033	Pipe Repair and Replacement Project Program	Active	3,077	655	3,732	167	500	457	479	502	526	551	550
	SWCIP0035	MVD Pond Retrofit	Active	-	38	38	2	36	-	-	-	-	-	-

Surface Water Utility	SWCIP0037	Wooton Park Parcel Acquisition	Closing	149	(16)	133	154	(21)	-	-	-	-	-	-
	SWCIP0039	Beach Park Hillside Pipe Replacement	Active	64	138	202	8	-	194	-	-	-	-	-
	SWCIP0040	North Hill Storm Improvements	Active	2,339	-	2,339	-	-	-	-	434	1,905	-	-
	SWCIP0041	Midway Storm Improvements	Active	1,044	-	1,044	-	-	-	-	-	263	781	-
	SWCIP0042	Saltwater Highlands Pond Retrofit	Active	572	-	572	-	-	-	-	-	96	476	-
	SWCIP0043	240th Street (MVD to 11th Pl) Pipe Project	Active	-	570	570	-	-	-	-	-	-	175	395
Surface Water Utility Total				**18,628**	**1,136**	**19,764**	**3,320**	**2,700**	**3,859**	**2,267**	**1,900**	**2,790**	**1,983**	**945**
Surface Water Utility - Cost Reimbursement	BDCIP0012	Service Center Material Storage Improvements	Active	100	(100)	-	-	-	-	-	-	-	-	-
	TRCIP0021	North Hill Elementary Walkway Improvements	Active	94	104	198	6	192	-	-	-	-	-	-
Surface Water Utility - Cost Reimbursement Total				**194**	**4**	**198**	**6**	**192**	**-**	**-**	**-**	**-**	**-**	**-**
Facility Repair & Replace Fund Transfer	BDCIP0007	LED Exterior Lighting	Active	90	4	94	-	-	-	-	94	-	-	-
	BDCIP0011	City Hall Canopy Repairs	Active	102	5	107	-	-	-	-	107	-	-	-
	BDCIP0012	Service Center Material Storage Improvements	Active	105	-	105	-	-	-	105	-	-	-	-
	BDCIP0013	Service Center Fueling Station Canopy & Fuel Tank Replacement	Active	-	-	-	-	-	-	-	-	-	-	-
	BDCIP0018	City Fiber Loop Completion	Active	-	-	-	-	-	-	-	-	-	-	-
	BDCIP0020	PW Service Center and PD Vehicle Gates	Active	48	-	48	-	48	-	-	-	-	-	-
	MCCIP0024	Police HVAC	Active	1	(1)	-	-	-	-	-	-	-	-	-
	BDCIP0021	IT Main Office HVAC System	Active	-	71	71	-	-	71	-	-	-	-	-
Facility Repair & Replace Fund Transfer Total				**346**	**79**	**425**	**-**	**48**	**71**	**105**	**201**	**-**	**-**	**-**
Local Grants (Secured)	MCCIP0001	DMBP Sun Home Lodge Rehab	Active	45	-	45	45	-	-	-	-	-	-	-
	MCCIP0015	Midway Park	Active	2,941	1,251	4,192	2,910	32	-	1,250	-	-	-	-
	SWCIP0024	Des Moines Creek Estuary Restoration	Active	500	146	646	415	81	150	-	-	-	-	-
	SWCIP0025	Massey Creek Pocket Estuary and Fish Passage	Closing	126	2	128	128	-	-	-	-	-	-	-
	SWCIP0029	6th Pl/287th Street Pipe Replacement	Active	249	-	249	246	3	-	-	-	-	-	-
	SWCIP0035	MVD Pond Retrofit	Active	236	(49)	187	69	118	-	-	-	-	-	-
	TRCIP0001	ADA Compliance Program	Active	15	-	15	15	-	-	-	-	-	-	-
	TRCIP0008	Barnes Creek Trail	Active	2,148	-	2,148	163	1,985	-	-	-	-	-	-
Local Grants (Secured) Total				**6,260**	**1,350**	**7,610**	**3,991**	**2,219**	**150**	**1,250**	**-**	**-**	**-**	**-**
Local Grants (Unsecured)	MCCIP0001	DMBP Sun Home Lodge Rehab	Active	43	-	43	-	-	-	-	-	-	-	43
	MCCIP0015	Midway Park	Active	-	250	250	-	-	-	250	-	-	-	-
	SWCIP0024	Des Moines Creek Estuary Restoration	Active	360	195	555	-	360	150	45	-	-	-	-
	SWCIP0037	Wooton Park Parcel Acquisition	Closing	337	(13)	324	324	-	-	-	-	-	-	-
	TRCIP0016	South 240th Street Improvements - Segment 1	Active	3,980	-	3,980	-	-	-	-	470	3,510	-	-
	TRCIP0023	Kent-Des Moines Rd - Seg 2	Active	5,815	-	5,815	-	-	-	-	-	-	-	5,815
Local Grants (Unsecured) Total				**10,535**	**432**	**10,967**	**324**	**360**	**150**	**295**	**470**	**3,510**	**-**	**5,858**
State Grants (Secured)	BDCIP0019	Activity Center Roof & Solar	Closing	190	-	190	188	2	-	-	-	-	-	-
	MCCIP0012	Redondo Fishing Pier	Closing	276	-	276	276	-	-	-	-	-	-	-
	MCCIP0018	Redondo Restroom	Active	2,534	-	2,534	2,430	104	-	-	-	-	-	-
	MCCIP0030	Marina Steps & Promenade	Active	2,248	(278)	1,970	-	1,970	-	-	-	-	-	-
	MCCIP0031	N. Side Redondo Floats	Active	349	-	349	5	344	-	-	-	-	-	-
	TRCIP0008	Barnes Creek Trail	Active	3,800	-	3,800	912	2,888	-	-	-	-	-	-
	TRCIP0010	24th Ave S. Improvements Project (Segment 2)	Closing	4,214	7	4,221	4,221	-	-	-	-	-	-	-
	TRCIP0021	North Hill Elementary Walkway Improvements	Active	3,000	-	3,000	889	2,111	-	-	-	-	-	-
	TRCIP0026	S 223rd Strt Complete Street Impr	Active	300	580	880	300	-	580	-	-	-	-	-
	MACIP0010	Marina Dock Ferry Electrification	Active	-	100	100	-	100	-	-	-	-	-	-
	TRCIP0027	24th Ave S Improvements - Segment 1	Active	-	5,000	5,000	-	450	700	3,500	350	-	-	-
State Grants (Secured) Total				**16,911**	**5,409**	**22,320**	**9,221**	**7,969**	**1,280**	**3,500**	**350**	**-**	**-**	**-**
State Grants (Unsecured)	MCCIP0001	DMBP Sun Home Lodge Rehab	Active	774	-	774	-	-	-	-	-	-	-	774
	MCCIP0015	Midway Park	Active	3,049	(2,549)	500	-	-	-	500	-	-	-	-
	MCCIP0030	Marina Steps & Promenade	Active	-	-	-	-	-	-	-	-	-	-	-
	MCCIP0035	Redondo Esplanade Improvements	Active	-	2,106	2,106	-	-	-	306	1,800	-	-	-
	MCCIP0036	Cliff Ave Connector	Active	-	3,086	3,086	-	-	-	356	2,730	-	-	-
	SWCIP0024	Des Moines Creek Estuary Restoration	Active	17,676	(4,834)	12,842	-	-	-	155	12,687	-	-	-
	SWCIP0025	Massey Creek Pocket Estuary and Fish Passage	Closing	-	-	-	-	-	-	-	-	-	-	-
	SWCIP0035	MVD Pond Retrofit	Active	1,002	111	1,113	-	-	1,113	-	-	-	-	-
	SWCIP0036	13th Ave S Bioswale Retrofit	Active	234	13	247	-	-	50	197	-	-	-	-
	TRCIP0011	Marine View Dr / South 240th St. Intersection Improvement	Active	1,506	-	1,506	-	-	-	-	-	120	1,386	-
	TRCIP0016	South 240th Street Improvements - Segment 1	Active	3,320	-	3,320	-	-	-	-	480	2,840	-	-
	TRCIP0023	Kent-Des Moines Rd - Seg 2	Active	400	-	400	-	-	-	-	-	-	-	400
	TRCIP0024	30th Ave S Improvements - South Segments	Active	5,610	-	5,610	-	-	-	110	5,500	-	-	-
	TRCIP0025	South 240th Street Improvements - Segment 3	Active	2,485	-	2,485	-	-	-	-	-	440	2,045	-

State Grants (Unsecured) Total				**36,056**	**(2,067)**	**33,989**	**-**	**-**	**1,163**	**1,624**	**23,197**	**3,400**	**3,431**	**1,174**
Federal Grants (Secured)	BDCIP0019	**Activity Center Roof & Solar**	Closing	57	-	57	57	-	-	-	-	-	-	-
	MACIP0007	**Tenant Restroom Replacement**	Active	-	-	-	-	-	-	-	-	-	-	-
	MCCIP0005	**Field House Play Equipment**	Closing	105	-	105	105	-	-	-	-	-	-	-
	MCCIP0015	**Midway Park**	Active	-	850	850	-	123	-	727	-	-	-	-
	MCCIP0030	**Marina Steps & Promenade**	Active	267	-	267	267	-	-	-	-	-	-	-
	TRCIP0001	**ADA Compliance Program**	Active	12	-	12	12	-	-	-	-	-	-	-
	TRCIP0008	**Barnes Creek Trail**	Active	379	-	379	379	-	-	-	-	-	-	-
	TRCIP0012	**Arterial Traffic Calming**	Active	20	-	20	20	-	-	-	-	-	-	-
	TRCIP0028	**Safe Streets for All**	Active	-	1,560	1,560	-	50	500	-	1,010	-	-	-
Federal Grants (Secured) Total				**840**	**2,410**	**3,250**	**840**	**173**	**500**	**727**	**1,010**	**-**	**-**	**-**
Federal Grants (Unsecured)	MCCIP0015	**Midway Park**	Active	-	4,116	4,116	-	-	-	4,116	-	-	-	-
	TRCIP0008	**Barnes Creek Trail**	Active	-	-	-	-	-	-	-	-	-	-	-
Federal Grants (Unsecured) Total				**-**	**4,116**	**4,116**	**-**	**-**	**-**	**4,116**	**-**	**-**	**-**	**-**
Private Contributions	MCCIP0005	**Field House Play Equipment**	Closing	30	-	30	30	-	-	-	-	-	-	-
	TRCIP0006	**S 224th St Improvements**	Active	154	-	154	-	154	-	-	-	-	-	-
	TRCIP0008	**Barnes Creek Trail**	Active	530	-	530	35	495	-	-	-	-	-	-
	TRCIP0010	**24th Ave S. Improvements Project (Segment 2)**	Closing	376	-	376	299	77	-	-	-	-	-	-
	TRCIP0016	**South 240th Street Improvements - Segment 1**	Active	250	-	250	87	-	-	-	-	163	-	-
	TRCIP0023	**Kent-Des Moines Rd - Seg 2**	Active	500	-	500	-	-	-	-	-	-	500	-
	TRCIP0025	**South 240th Street Improvements - Segment 3**	Active	200	-	200	-	-	-	-	-	200	-	-
Private Contributions Total				**2,040**	**-**	**2,040**	**451**	**726**	**-**	**-**	**-**	**363**	**500**	**-**
Interlocal Agreement	MCCIP0030	**Marina Steps & Promenade**	Active	-	-	-	-	-	-	-	-	-	-	-
	SWCIP0015	**DMMD 208th to 212th Pipe Project**	Closing	431	-	431	431	-	-	-	-	-	-	-
	TRCIP0003	**Street Pavement Preservation**	Active	764	-	764	764	-	-	-	-	-	-	-
	TRCIP0008	**Barnes Creek Trail**	Active	944	-	944	-	944	-	-	-	-	-	-
	TRCIP0010	**24th Ave S. Improvements Project (Segment 2)**	Closing	1,433	-	1,433	1,203	230	-	-	-	-	-	-
Interlocal Agreement Total				**3,572**	**-**	**3,572**	**2,398**	**1,174**	**-**	**-**	**-**	**-**	**-**	**-**
Fund Balance	TRCIP0001	**ADA Compliance Program**	Active	41	-	41	41	-	-	-	-	-	-	-
Fund Balance Total				**41**	**-**	**41**	**41**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Transportaion CIP Fund Balance	TRCIP0008	**Barnes Creek Trail**	Active	69	-	69	69	-	-	-	-	-	-	-
Transportaion CIP Fund Balance Total				**69**	**-**	**69**	**69**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Legal Settlements	MCCIP0030	**Marina Steps & Promenade**	Active	13	-	13	13	-	-	-	-	-	-	-
	TRCIP0010	**24th Ave S. Improvements Project (Segment 2)**	Closing	-	876	876	-	876	-	-	-	-	-	-
Legal Settlements Total				**13**	**876**	**889**	**13**	**876**	**-**	**-**	**-**	**-**	**-**	**-**
Redondo Speed Enforcement	TRCIP0001	**ADA Compliance Program**	Active	284	196	480	19	39	62	62	72	72	72	82
	TRCIP0002	**Guardrail Program**	Active	168	17	185	-	17	28	28	28	28	28	28
	TRCIP0003	**Street Pavement Preservation**	Active	3,892	4	3,896	4	556	556	556	556	556	556	556
	TRCIP0012	**Arterial Traffic Calming**	Active	661	335	996	50	131	280	107	107	107	107	107
	TRCIP0021	**North Hill Elementary Walkway Improvements**	Active	300	-	300	-	300	-	-	-	-	-	-
Redondo Speed Enforcement Total				**5,305**	**552**	**5,857**	**73**	**1,043**	**926**	**753**	**763**	**763**	**763**	**773**
Marina Building Maintenance Fees	MACIP0008	**CSR Roof Replacement**	Closing	37	-	37	36	1	-	-	-	-	-	-
Marina Building Maintenance Fees Total				**37**	**-**	**37**	**36**	**1**	**-**	**-**	**-**	**-**	**-**	**-**
				158,734	**56,560**	**215,294**	**60,219**	**27,524**	**10,530**	**21,519**	**31,184**	**12,220**	**11,304**	**40,794**

INDIVIDUAL PROJECT SHEETS

(This Page is Intentionally Left Blank)

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Founders' Lodge	Project #	BDCIP0004
Funding to MCCIP0030	Previous Project #	506.714

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Repair siding and paint the outside of the Founders' Lodge, replace roof, and interior improvements.

Justification/Benefits: The Founders' Lodge is a revenue producing city rental facility. The exterior paint is deteriorating due to the moist environment that causes moss and algae to grow on the siding and trim. Its current poorly maintained condition is not aesthetically appealing for users.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	18	-	18	18	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	309	107	416	56	4	254	106	-	-	-	-	-
Contingency	30	15	45			30	15					
Total Expenditures	357	122	479	74	4	284	121	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 1	70	-	70	70	-							
REET 2	287	122	409	-	-	288	121					
Total Funding	357	122	479	70	-	288	121	-	-	-	-	-
Funding Shortfall/Excess	-		-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

LED Exterior Lighting	Project #	BDCIP0007
-	Previous Project #	506.716

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Activity Center, PW Service Center, City Hall, PW Engineering, Police, SJU.

Justification/Benefits: This is both a maintenance and energy savings measure as well as a vandalism deterrent.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	7	-	7
Land & Right of Way	-	-	-
Construction	76	3	79
Contingency	7	1	8
Total Expenditures	90	4	94

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	-	-	-	7	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	79	-	-	-
					8			
-	-	-	-	-	94	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
Facility Repair & Replace Fund	90	4	94
Total Funding	90	4	94
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-				94			
-	-	-	-	-	94	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

City Hall Canopy Repairs	Project #	BDCIP0011
-	Previous Project #	506.721

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Repair the structural timbers and steel beams to prevent further deterioration while maintaining the same aesthetic look of the walkway.

Justification/Benefits: The existing walkway canopy has structural defects in the wooden timbers.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	27	1	28
Land & Right of Way	-	-	-
Construction	67	4	71
Contingency	8	-	8
Total Expenditures	102	5	107

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	-	-	-	28	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	71	-	-	-
					8			
-	-	-	-	-	107	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
Facility Repair & Replace Fund	102	5	107
Total Funding	102	5	107
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-				107			
-	-	-	-	-	107	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Service Center Material Storage Improvements	Project #	BDCIP0012
COMPANION PROJECT TO SWCIP0019	Previous Project #	506.722

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Companion project to SWCIP0019. Construct covered material storage bins with associated drainage facilities.

Justification/Benefits: The Department of Ecology has required the material storage areas in the service center to be covered as an element of the City's NPDES permit.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	41	(8)	33	-	-	-	33	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	364	(70)	294	-	-	-	-	294	-	-	-	-
Contingency	-	-	-									
Total Expenditures	405	(78)	327	-	-	-	33	294	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Facility Repair & Replace Fund	105	-	105	-	-			105				
One Time Tax XFR	200	(200)	-	-	-							
REET 1	-	222	222	-	-		43	179				
Total Funding	405	(78)	327	-	-	-	43	284	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Service Center Fueling Station Canopy & Fuel Tank Replacement	Project #	BDCIP0013
-	Previous Project #	506.723

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Construct canopy cover, concrete runnel improvements at service center fueling station, and fuel tank replacements.

Justification/Benefits: The Department of Ecology has required that the fueling station at the service center be covered as an element of the City's NPDES permit.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	231	14	245	-	-	-	-	245	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,284	77	1,361	-	-	-	-	-	1,361	-	-	-
Contingency	128	8	136						136			
Total Expenditures	1,643	99	1,742	-	-	-	-	245	1,497	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
One Time Tax	66	(66)	-	-	-							
NO FUNDING SOURCE IDENTIFIED	1,577	165	1,742					245	1,497			
Total Funding	1,643	99	1,742	-	-	-	-	245	1,497	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Citywide Mechanical & HVAC Equipment and Roofing Replacements	Project #	BDCIP0017
-	Previous Project #	-

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replacement of the Mechanical and HVAC Equipment at various City buildings. Most of our systems operate on discontinued refrigerant. We can't just switch refrigerants if we have a leak, and continue operating the same equipment - we must replace the equipment, and operate on a currently available refrigerant. Most of our HVAC systems are at or near the end of their useful service lives. The majority of our City buildings have roofing that needs replacement or recovering. We need to plan for these major replacements/repairs now.

Justification/Benefits: The current Mechanical and HVAC Equipment, along with the roofing systems are requiring increased maintenance due to the age of the components. The combined costs of these items exceed thetypical maintenance thresholds on an annual basis.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	25	25	-	24	25	-	-	-	-	-	-
Contingency	350	38	388			25	53	56	59	62	65	68
Total Expenditures	350	63	413	-	24	50	53	56	59	62	65	68

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 1	350	63	413	-	14	50	53	56	59	62	65	68
Total Funding	350	63	413	-	14	50	53	56	59	62	65	68
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

City Fiber Loop Completion	Project #	BDCIP0018
-	Previous Project #	-

CIP Category: Technology Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Completion of the City's fiber loop to provide operational functionality during accidental damages. Install new underground fiber from the SE corner of MVD/227th intersection to the existing fiber vault located in the south Marina parking lot.

Justification/Benefits: The completion of this loop will prevent inadvertent, unexpected outages; and provide for reliable system redundancy.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	56	-	56	-	-	-	56	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,306	-	1,306	-	-	-	1,306	-	-	-	-	-
Contingency	28	-	28				28					
Total Expenditures	1,390	-	1,390	-	-	-	1,390	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
FACILITY REPAIR & REPLACE FUND	-	-	-	-	-							
NO FUNDING SOURCE IDENTIFIED	1,390	-	1,390				1,390					
Total Funding	1,390	-	1,390	-	-	-	1,390	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Activity Center Roof & Solar	Project #	BDCIP0019
Closing 2026	Previous Project #	-

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Furnish and install a turnkey solar photovoltaics (PV) solar panel system rated for 47.045kW DC / 50 kW AC at standard test conditions on the roof of the Senior Activity Center. Installation of new roofing to support the installation of a solar array.

Justification/Benefits: Existing roofing is near end of life. New roofing needs to be installed to support the new solar array. The solar array will help to offset energy costs at this location.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	5	-	5	5	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	224	3	227	225	1	2	-	-	-	-	-	-
Contingency	18	(3)	15			15						
Total Expenditures	247	-	247	230	1	17	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
ARPA (ROOF ONLY)	57	-	57	57	-							
WA DEPT OF COMMERCE	190	-	190	188	-	2						
Total Funding	247	-	247	245	-	2	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

PW Service Center and PD Vehicle Gates	Project #	BDCIP0020
Closing 2026	Previous Project #	-

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
New gates and loop detection for both the Public Works Service Center and the Police Services Center

Justification/Benefits: These gates were repaired in 2025. The technicians performing the repairs informed staff that these gates are past their useful service lives, and need to be replaced.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	44	-	44	-	-	44	-	-	-	-	-	-
Contingency	4	-	4			4						
Total Expenditures	48	-	48	-	-	48	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
FACILITY REPAIR & REPLACEMENT	48	-	48	-	-	48						
Total Funding	48	-	48	-	-	48	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

IT Main Office HVAC System	Project #	BDCIP0021
New 2026	Previous Project #	0

CIP Category: Building Facility Project

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Install a new mini-split HVAC system to serve the IT main office. This space houses many critical servers and other heat-generating equipment. It needs to have its own cooling system similar to that of the PD server room.

Justification/Benefits: This will protect expensive temperature-sensitive equipment, and extend the lifespan of the equipment.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	64	64	-	-	-	64	-	-	-	-	-
Contingency	-	7	7				7					
Total Expenditures	-	71	71	-	-	-	71	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Facility Repair & Replace Fund	-	71	71	-	-		71					
Total Funding	-	71	71	-	-	-	71	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marina Dredging	Project #	MACIP0001
Closing 2026	Previous Project #	403.458

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
To dredge the entrance channel of the Des Moines Marina.

Justification/Benefits: The Des Moines Marina's entrance channel is in need of dredging every 10-12 years, and was previously done in 2009. As currents, tide fluctuation and the Des Moines creek all contribute to the in-fill causing the entrance channel to both become shallow and narrow making navigation constricted at times. Dredging is important to continue a safe navigable entrance, in and out of the Marina.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	319	-	319
Land & Right of Way	-	-	-
Construction	182	-	182
Contingency	356	(356)	-
Total Expenditures	857	(356)	501

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
319	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
182	-	-	-	-	-	-	-	-
501	-	-	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
MARINA RATES	857	(356)	501
Total Funding	857	(356)	501
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
799	-	(298)						
799	-	(298)	-	-	-	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Dock Electrical Replacements	Project #	MACIP0003
	Previous Project #	403.452

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
Install new shore power pedestals and distribution wiring on docks I,J,K.

Justification/Benefits: The new electrical wiring will reduce the risk of fire as well as provide upgraded service to Marina tenants. These docks are 45 years old and still have the original shore power boxes and wiring. Most of the shore power boxes have been upgraded to 30 amps from the original 15 amp service to meet the demands of the new boats but the wiring has not been replaced with larger wire size to accommodate the increased demand.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	2	-	2	2	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	244	-	244	-	-	-	61	61	122	-	-	-
Contingency	-	-	-									
Total Expenditures	246	-	246	2	-	-	61	61	122	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
MARINA RATES	246	-	246	120	-	4	61	61				
Total Funding	246	-	246	120	-	4	61	61	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marina Dock Replacement	Project #	MACIP0005
CLOSING 2026	Previous Project #	403.499

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:

This project creates a set aside to accumulate funds for the purchase of a full dock replacement. When sufficient funds are accumulated a replacement dock will be installed. Expenditures currently listed in 2021-2024 are intended for M, N, and possibly L dock replacements.

Justification/Benefits: The Des Moines Marinas Docks are now over 50 years old and in need of replacement. This Project is necessary as we move forward with Design, Engineering and discussions on reconfigurations in slip size, styles, and amenities associated with new construction. While all Docks are in need of replacement, due to the infrastructure set in place, M and N Dock will be the first in the replacement process.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	859	12	871	865	5	6	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	11,200	53	11,253	9,769	1,210	1,484	-	-	-	-	-	-
Contingency	1,058	(65)	993			993						
Total Expenditures	13,117	-	13,117	10,634	1,215	2,483	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
MARINA RATES	1,593	-	1,593	1,479	-	114						
MARINA BONDS	11,524	-	11,524	11,524	-							
Total Funding	13,117	-	13,117	13,003	-	114	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Tenant Restroom Replacement	Project #	MACIP0007
-	Previous Project #	403.512

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
Demolition of the exiting restroom and the installation of a new tenant/public restrooms.

Justification/Benefits: The tenant restrooms are now approaching 50 years old and are in need of replacement. New restrooms will better serve our Tenants and the public. Installation of 4- ADA uni-sex tenant restrooms with showers. 1 uni-sex public restroom.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	48	(28)	20
Land & Right of Way	-	-	-
Construction	711	772	1,483
Contingency	47	28	75
Total Expenditures	**806**	**772**	**1,578**

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
18	1	2	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	1,483	-	-	-	-	-	-
		75						
18	**1**	**1,560**	**-**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
ONE TIME TAX XFR	14	-	14
MARINA RATES	792	772	1,564
Total Funding	**806**	**772**	**1,578**
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
14	-							
2	1	1,562						
16	**1**	**1,562**	**-**	**-**	**-**	**-**	**-**	**-**

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

CSR Roof Replacement	Project #	MACIP0008
Closing 2026	Previous Project #	-

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
This CIP Project is to replace a City-owned building leased by CSR Boatyard. This building is now over 40+ years old and is leaking, and sluffing the roof coatings, causing difficulty for CSR to maintain their hard metal tate permits.

Justification/Benefits: CRS leases a building from the Marina. CSR has been a tenant of the Marina for over 25 years. This building is owned by the Marina and is now over 40+ years old and in need of replacement. It is stuffing roof coatings and leaking inside the building. The stuffing of heavy metals is having impacts on the boatyard maintaining their state heavy metal discharge permits.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	79	(1)	78	78	-	-	-	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	79	(1)	78	78	-	-	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
MARINA RATES	42	(1)	41	41	-							
BUILDING MAINTENANCE FEES	37	-	37	36	1	1						
Total Funding	79	(1)	78	77	1	1	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marina Dock Ferry Electrification	Project #	MACIP0010
New 2026	Previous Project #	0

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
To add power to north dock floats in guest moorage for electrification of vessels.

Justification/Benefits: This project will add the power and equipment to charge electric vessels in the future.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	-	4	4
Land & Right of Way	-	-	-
Construction	-	-	-
Contingency	-	113	113
Total Expenditures	-	117	117

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	3	4	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
		113						
-	3	117	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
MARINA RATES	-	17	17
WA ST DEPT OF COMMERCE GRANT	-	100	100
Total Funding	-	117	117
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	17						
-	-	100						
-	-	117	-	-	-	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marina Small Projects	Project #	MACIP0011
New 2026	Previous Project #	0

CIP Category: Marina Capital Improvements

Managing Department: Marina

Justification/Benefits: 0

Summary Project Description:
This project is meant for smaller capital projects under the $25K threshold for inclusion in the 6 Year CIP Plan. If the total value exceeds $25K, it should be included in the CIP Plan. Any project over $25K should have its own project.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	24	24	-	-	12	12	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	-	24	24	-	-	12	12	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
MARINA RATES	-	24	24	-	-	12	12					
Total Funding	-	24	24	-	-	12	12	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Seawall and Esplanade	Project #	MACIP0012
New 2026	Previous Project #	0

CIP Category: Marina Capital Improvements

Managing Department: Marina

Summary Project Description:
Planning and design phase of replacing the remaining seawall and esplanade (boardwalk) between CSR and A-Dock.

Justification/Benefits: The seawall is nearing the end of its useful life. Years of exposure to saltwater, tides, storms and daily use has caused significant deterioration resulting in increased maintenance needs and repair costs. The seawall is a critical infrastructure that protects the marina, parking areas, utilities and other City assets from erosion and shoreline damage. As it continues to deteriorate, the risk of failure increases, which could lead to expensive emergency repairs and disruptions to marina operations.
The boardwalk is also an important public access route used by tenants and visitors every day. Aging decking and structural components create safety concerns and require frequent maintenance. Replacing both the seawall and boardwalk is a proactive investment that protects City infrastructure, improves safety, reduces long-term maintenance costs and helps ensure the marina remains safe, functional, and accessible for years to come.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	4,040	4,040	-	-	-	-	3,030	-	-	-	1,010
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	30,030	30,030	-	-	-	-	-	-	-	-	30,030
Contingency	-	-	-									
Total Expenditures	-	34,070	34,070	-	-	-	-	3,030	-	-	-	31,040

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
MARINA RATES	-	3,030	3,030	-	-			3,030				
DEBT PROCEEDS	-	31,040	31,040	-	-							31,040
Total Funding	-	34,070	34,070	-	-	-	-	3,030	-	-	-	31,040
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Field House Play Equipment	Project #	MCCIP0005
Closed. Balanced in 2026	Previous Project #	310.071

CIP Category: Park Facility & Playground Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Replace a portion of the aging play structure. Park renovation will include ADA compliance. There is a companion project for the repair to the skate park and ballfield drainage.

Justification/Benefits: Replace a portion of the aging play structure for safety reasons. Field House Park was transferred to the city by King County in 1993. The portion of the play equipment currently on site was purchased by the Des Moines Rotary Club and installed at the Beach Park in 1996. Later it was removed and stored until repainted and reinstalled in 2008. Some of the equipment doesn't meet current Play Equipment safety and ADA standards and must be replaced.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	98	(2)	96	96	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	654	(8)	646	646	-	-	-	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	752	(10)	742	742	-	-	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 2	242	(3)	239	238	1	1						
KING COUNTY PARKS LEVY	375	(9)	366	366	-							
ARPA FUNDS	105	-	105	105	-							
PRIVATE CONTRIBUTIONS	30	-	30	30	-							
KING COUNTY GRANT (UNSECURED)	-	-	-	-	-							
Total Funding	752	(12)	740	739	1	1	-	-	-	-	-	-
Funding Shortfall/Excess	-	(2)	(2)									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

DMBP Sun Home Lodge Rehab	Project #	MCCIP0001
-	Previous Project #	310.056

CIP Category: Park Facility & Playground Projects

Managing Department: Parks, Recr & Sr Services

Summary Project Description:

Rehabilitation of the Sun Home Lodge for its continued use as a recreation facility. Will include lifting the building, connecting new utilities (electrical, gas, phone, cable, water and sewer), constructing a new foundation, decking, exterior stairway and minor interior improvements. Additional interior building remodel work would be completed in future phases. This project relies on funding support from King County and Washington State. $459K previously expended Picnic Shelter/Restroom funds will provide additional match for the project.

Justification/Benefits: King County has just announced that it will provide up to $20M bonds for the rehabilitation of historic properties. These funds and past Beach Park expenditures could provide match for a Washington Heritage Capital Grant to lift and construct a new foundation for the Sun Home Lodge. The Sun Home Lodge is in desperate need of life and safety repairs for its continued use as a recreation facility. Funds available will not provide for major interior remodel work. The Des Moines Beach Park is listed on the State and National Historic Register.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	50	-	50	50	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	900	-	900	-	-	-	-	-	142	-	-	758
Contingency	67	-	67									67
Total Expenditures	1,017	-	1,017	50	-	-	-	-	142	-	-	825

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 1	155	-	155	4	-				142			9
4CULTURE	45	-	45	45	-							
LOCAL GRANT - UNSECURED	43	-	43	-	-							43
WA ST GRANT - UNSECURED	774	-	774	-	-							774
Total Funding	1,017	-	1,017	49	-	-	-	-	142	-	-	826
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Redondo Fishing Pier	Project #	MCCIP0012
Closing 2026	Previous Project #	310.079

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replace Redondo Fishing Pier and remove existing timber piles.

Justification/Benefits: The fishing pier is now approximately 35 years old and the timber structure and substructure has reached the end of its useful life.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	841	27	868	852	15	16	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	3,295	1,242	4,537	1,479	3,035	3,058	-	-	-	-	-	-
Contingency	1,452	(1,269)	183			183						
Total Expenditures	5,588	-	5,588	2,331	3,050	3,257	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 2	858	-	858	77	-	781						
DEBT PROCEEDS	4,454	-	4,454	4,454	-							
DOC GRANT	276	-	276	276	-							
WA STATE APPROPRIATION (SECURE	-	-	-	-	-							
Total Funding	5,588	-	5,588	4,807	-	781	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Midway Park	Project #	MCCIP0015
	- Previous Project #	310.082

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Design and construction of Midway Park, incorporating recently acquired parcels.

Justification/Benefits: Midway Park is identified as a priority in the PRSS Master Plan. It is located within the Pacific Ridge neighborhood which is the most impacted neighborhood in the city on the Environmental Health and Disparities ranking.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	481	198	679	437	47	242	-	-	-	-	-	-
Land & Right of Way	2,490	-	2,490	2,490	-	-	-	-	-	-	-	-
Construction	3,149	3,568	6,717	274	-	-	-	6,443	-	-	-	-
Contingency	247	151	398					398				
Total Expenditures	6,367	3,917	10,284	3,201	47	242	-	6,841	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
PARK IN-LIEU	353	-	353	284	-	69						
REET 2	24	(1)	23	5	-	18						
FEDERAL ORLP GNT (UNSECURED)	-	4,116	4,116	-	-			4,116				
FEDERAL APPROPRIATION	-	850	850	-	-	123		727				
KC CONSERVATION FUTURES 2020	2,485	-	2,485	2,485	-							
KING COUNTY PARKS LEVY	-	1,000	1,000	-	-			1,000				
KC PARKS CAP & OPEN SPC GRANT	456	1	457	425	32	32						
KC YOUTH & AMATEUR SP GNT	-	250	250	-	-			250				
KC HEALTH COMM GNT (UNSECURED)	-	250	250	-	-			250				
WA STATE RCO GRANT (UNSECURED)	3,049	(2,549)	500	-	-			500				
Total Funding	6,367	3,917	10,284	3,199	32	242	-	6,843	-	-	-	-
Funding Shortfall/Excess	-	0	0									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Redondo Restroom	Project #	MCCIP0018
-	Previous Project #	310.086

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Demolish existing restroom and replace with smaller pre-fab structure across the street. Replace restroom foundation with surface similar to rest of plaza and add railings.

Justification/Benefits: The existing restrooms is approximately 35 years old and are functionally obsolete. The restrooms are built on a pier with all of the plumbing hanging below the structure where it can and has been destroyed by storms.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	113	(1)	112	112	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	2,369	131	2,500	2,369	16	131	-	-	-	-	-	-
Contingency	130	(130)	-									
Total Expenditures	2,612	-	2,612	2,481	16	131	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 2	78	-	78	44	-	34						
DEBT PROCEEDS	-	-	-	-	-							
STATE GRANT (RCO)	682	-	682	682	-							
STATE GRANT (DOC)	1,852	-	1,852	1,748	-	104						
Total Funding	2,612	-	2,612	2,474	-	138	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marina, Beach Park Paid Parking	Project #	MCCIP0021
Closing 2026	Previous Project #	310.407

CIP Category: Waterfront Facility Projects

Managing Department: Marina

Summary Project Description:
Upgrade Parking system.

Justification/Benefits: Paid Parking was installed throughout the Marina and Beach Park in 2017. The existing equipment has had ongoing problems for quite some time. We feel most of the problems are caused from inadequate machinery, lack of technical support and the harsh outdoor environment. We plan on implementing a user friendly pay and display system, similar to Redondo Paid Parking Project TRCIP0017. The existing equipment will remain in place for tenant access control, along with added afterhours safety and security for our customers and community.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	2	-	2	2	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	351	3	354	352	1	2	-	-	-	-	-	-
Contingency	7	(3)	4			4						
Total Expenditures	360	-	360	354	1	6	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
ONE TIME TAX	-	-	-	-	-							
BOND PROCEEDS	360	-	360	360	-							
Total Funding	360	-	360	360	-	-	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Police HVAC	Project #	MCCIP0024
-	Previous Project #	310.711

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replacement of the Mechanical and HVAC Equipment in the Police Department Building. Nearly all of the mechanical equipment was installed in 1996 and has reached its useful life. This project is a replacement of the current assets and beyond "maintenance" activity.

Justification/Benefits: The current HVAC equipment is requiring increased maintenance due to the age of the components. The combined costs for these items exceeds the typical maintenance thresholds on an annual basis.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	228	14	242	-	-	-	-	242	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,515	91	1,606	-	-	-	-	-	1,606	-	-	-
Contingency	169	10	179						179			
Total Expenditures	1,912	115	2,027	-	-	-	-	242	1,785	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
FACILITY REPAIR & REPLACE FUND	1	(1)	-	-	-							
REET 1	1,158	(616)	542	-	-			242	300			
REET 2	-	165	165	-	-				165			
NO FUNDING SOURCE IDENTIFIED	753	567	1,320						1,320			
Total Funding	1,912	115	2,027	-	-	-	-	242	1,785	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

City Hall Parking Lot	Project #	MCCIP0028
-	Previous Project #	310.087

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Rebuild Northwest, Southwest, Southern and Eastern City Hall parking lots. Provide ADA access to the Southwest

Justification/Benefits: A design for these parking lots was completed in 2007. The results of the design were that an overlay that would be insufficient to solve the existing degradation. As a result, a total rebuild of these parking lots needs to take place. The Western parking lots, as well as ADA ramp retrofits, will be included.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	46	3	49	-	-	-	-	-	49	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	437	26	463	-	-	-	-	-	-	463	-	-
Contingency	34	2	36							36		
Total Expenditures	517	31	548	-	-	-	-	-	49	499	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 1	-	-	-	-	-	-						
NO FUNDING SOURCE IDENTIFIED	517	31	548						49	499		
Total Funding	517	31	548	-	-	-	-	-	49	499	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marina Steps & Promenade	Project #	MCCIP0030
-	Previous Project #	-

CIP Category: Waterfront Facility Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This project is the first phase of the larger Marina District Master Plan that includes improvements to S. 223rd St. and other improvements described in SkyLab's Final Presentation to City Council on 1/26/2023. The project will include public access to the Marina Floor from Overlook Park and provide a pedestrian transitional public plaza to the waterfront.

Justification/Benefits: The Des Moines Marina Steps project will serve as a connector between Marine View Drive downtown businesses and the Marina floor. The vertical connection will provide for accessible and safe pedestrian access and serve as a community gathering place and recreational area for the community.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	1,427	89	1,516	1,450	52	66	-	-	-	-	-	-
Land & Right of Way	3	1	4	4	-	-	-	-	-	-	-	-
Construction	10,081	28	10,109	29	1,839	10,080	-	-	-	-	-	-
Contingency	1,377	(396)	981			981						
Total Expenditures	12,888	(278)	12,610	1,483	1,891	11,127	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
DEBT PROCEEDS	8,110	-	8,110	8,110	-							
REET 1	1,750	410	2,160	-	-	2,160						
ONE TIME TAX	500	(410)	90	-	-	90						
ARPA FUNDING	267	-	267	267	-							
LEGAL SETTLEMENT	13	-	13	13	-							
WA STATE DOE (SECURED)	278	(278)	-	-	-	-						
WA STATE DOC #1 (SECURED)	970	-	970	-	-	970						
WA STATE DOC #2 (SECURED)	1,000	-	1,000	-	-	1,000						
Total Funding	12,888	(278)	12,610	8,390	-	4,220	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

N. Side Redondo Floats	Project #	MCCIP0031
-	Previous Project #	-

CIP Category: Park Facility & Playground Projects

Managing Department: Marina

Summary Project Description:
This project is to replace the North side boarding floats at the Redondo Boat Launch. The previous floats were removed for safety reasons.

Justification/Benefits: The Redondo boat launch is the only launch between Tacoma and Seattle. The Marina was awarded a grant in the amount of $348,750.00 to replace the North side boarding floats at the Redondo Boat ramp. This will compliment the new South side boarding floats. This will also provide a wider and much safer launching facility. The City remains committed to providing a "Gateway" to Puget sound at the highest and safest way possible.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	10	10	20	16	4	4	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	66	66	-	-	66	-	-	-	-	-	-
Contingency	465	(11)	454			454						
Total Expenditures	**475**	**65**	**540**	**16**	**4**	**524**	**-**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REDONDO ZONE	-	-	-	-	-							
ONE TIME TAX	126	(116)	10	10	-							
REET 1	-	181	181	-	-	181						
RCO GRANT	349	-	349	5	-	344						
Total Funding	**475**	**65**	**540**	**15**	**-**	**525**	**-**	**-**	**-**	**-**	**-**	**-**
Funding Shortfall/Excess	**-**	**-**	**-**									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Midway Park Youth Soccer Field	Project #	MCCIP0034
-	Previous Project #	-

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
The Midway park project is part of the Des Moines park master plan and has been under development several years.

Justification/Benefits: The addition of a youth soccer facility adjacent to the park will provide for recreational sports opportunities in this underserved community.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	80	80	27	2	53	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	384	384	-	-	-	-	384	-	-	-	-
Contingency	30	(30)	-									
Total Expenditures	30	434	464	27	2	53	-	384	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
KING COUNTY PARKS LEVY	30	434	464	26	-	54		384				
Total Funding	30	434	464	26	-	54	-	384	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Redondo Esplanade Improvements	Project #	MCCIP0035
-	Previous Project #	-

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This project centers on improving pedestrian connectivity, upgrading park infrastructure, and creating inviting public spaces in the Redondo neighborhood that reflect the city's environmental values and commitment to accessibility. Conceptual design and alternatives exploration for future project to refresh the North Redondo Boardwalk

Justification/Benefits: As climate change continues to intensify shoreline hazards including flooding, habitat disruption, and property damage, this park-forward strategy aims to reimagine Redondo Beach Park as a sustainable waterfront that protects ecological systems while welcoming residents and visitors alike.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	40	332	372	40	-	-	26	306	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	1,800	1,800	-	-	-	-	-	1,800	-	-	-
Contingency	-	-	-									
Total Expenditures	**40**	**2,132**	**2,172**	**40**	**-**	**-**	**26**	**306**	**1,800**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
KC PARKS LEVY	40	26	66	39	-	1	26					
WA STATE GRANT (UNSECURED)	-	2,106	2,106	-	-			306	1,800			
Total Funding	**40**	**2,132**	**2,172**	**39**	**-**	**1**	**26**	**306**	**1,800**	**-**	**-**	**-**
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Cliff Ave Connector	Project #	MCCIP0036
-	Previous Project #	-

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Conceptual design and alternatives exploration for future project to refresh the connection between Overlook Park and the Marina as well as connect to Downtown

Justification/Benefits: Pedestrian access is limited and the Marina and Beach Park lack connection to the Downtown corridor.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	36	383	419	37	-	-	26	356	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	2,100	2,100	-	-	-	-	-	2,100	-	-	-
Contingency	-	629	629						629			
Total Expenditures	36	3,112	3,148	37	-	-	26	356	2,729	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
KC PARKS LEVY	36	26	62	36	-		26					
WA STATE GRANT (UNSECURED)	-	3,086	3,086	-	-			356	2,730			
Total Funding	36	3,112	3,148	36	-	-	26	356	2,730	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

SJU Light Repair	Project #	MCCIP0037
Closing 2026	Previous Project #	-

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
SJU sports complex is a keystone to the Des Moines parks and recreational program for the community.

Justification/Benefits: After years of service some of the sports lighting needed to be maintained and upgraded after malfunctioning.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Operating	15	-	15
Contingency	-	-	-
Total Expenditures	15	-	15

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
15	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
KC PARKS LEVY	15	-	15
Total Funding	15	-	15
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/2025	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
15	-							
15	-	-	-	-	-	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Field House Lighting Upgrades	Project #	MCCIP0038
New 2026	Previous Project #	0

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Remove and dispose of old 8' fluorescent gym lighting. Install new 2' LED gym lighting (25 new fixtures). Fill-in old lighting holes in ceiling. $68,085.89 total before PSE rebate.

Justification/Benefits: This new lighting will brighten up the gym, and will also provide energy savings.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Operating	15	56	71
Contingency	-	5	5
Total Expenditures	15	61	76

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	16	71	-	-	-	-	-	-
		5						
-	16	76	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
KING COUNTY PARKS LEVY		76	76
Total Funding	-	76	76
Funding Shortfall/Excess	(15)	15	-

Project to Date 12/31/2025	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	76						
-	-	76	-	-	-	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Field House Exterior Painting	Project #	MCCIP0039
New 2026	Previous Project #	0

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Necessary maintenance to preserve and protect the facilities.

Summary Project Description:
Painting the exterior of the Field House, and staining the Field House Picnic Shelter.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Operating	-	72	72
Contingency	-	2	2
Total Expenditures	-	74	74

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	4	72	-	-	-	-	-	-
		2						
-	4	74	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
KING COUNTY PARKS LEVY	-	74	74
Total Funding	-	74	74
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/2025	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	74						
-	-	74	-	-	-	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Parks Maintenance (Levy Funded)	Project #	MCCIP0040
New 2026	Previous Project #	0

CIP Category: Park Facility & Playground Projects

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Allows for handling of unexpected repairs and maintenance.

Summary Project Description:
Shirley B. Gordon fencing ($7,756.70), Kiddie Park fencing ($14,392.85), Kiddie Park play equipment repairs ($13,190.59), Field House Picnic Shelter re-roof ($12,916.80) for 2026. Future years maintenance programming.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Operating	-	414	414
Contingency	-	-	-
Total Expenditures	**-**	**414**	**414**

ANNUAL ALLOCATION									
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	16	51	53	56	59	62	65	68
-	**16**	**51**	**53**	**56**	**59**	**62**	**65**	**68**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
KING COUNTY PARKS LEVY	-	414	414
Total Funding	**-**	**414**	**414**
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/2025	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	51	53	56	59	62	65	68
-	**-**	**51**	**53**	**56**	**59**	**62**	**65**	**68**

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

City Hall Suite A Restroom & Kitchen	Project #	MCCIP0041
New 2026	Previous Project #	0

CIP Category: General Services

Managing Department: Plan, Build & PW Admin

Justification/Benefits: 0

Summary Project Description:

Demo the 3 existing restrooms and kitchen. Rework plumbing and electrical as needed to install new ADA compliant fixtures, flooring, paint, lighting, fans, and cabinetry. Also included in this scope is the replacement of the 3 existing sliding glass doors (Suite A kitchen, City Manager's office, North Conference Room).

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	-	-	-
Land & Right of Way	-	-	-
Construction	-	227	227
Contingency	-	27	27
Total Expenditures	**-**	**254**	**254**

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	227	-	-	-	-	-	-
		27						
-	**-**	**254**	**-**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
ONE TIME TAX	-	254	254
Total Funding	**-**	**254**	**254**
Funding Shortfall/Excess	**-**	**-**	**-**

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	254						
-	**-**	**254**	**-**	**-**	**-**	**-**	**-**	**-**

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

24th Ave Pipeline Replacement/Upgrade	Project #	SWCIP0002
Closing 2026	Previous Project #	451.815

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Replacement of existing storm drainage system on 24th Avenue from S. 224th to S. 227th Street with approximately 1100 feet of 36-inch pipe and from S. 223rd to S. 224th with approximately 570 feet of 24-inch diameter pipe. This project will coincide with the 24th Avenue S. Improvement Project (Transportation).

Justification/Benefits: During major storms the drainage system along the east side of 24th Avenue between S. 226th and S.227th overflows to the pipe system on the west side. These overflows bypass the trunk system which conveys flows to the City Park detention facility and flood properties south of 227th south of Pacific Middle School. This project is recommended in the 1992 Massey Creek Basin Plan and is identified as Projects No. 5 and 23 of the 2015 Surface Water Comprehensive Plan.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	162	-	162	162	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,173	(132)	1,041	1,027	13	14	-	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	1,335	(132)	1,203	1,189	13	14	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,324	(132)	1,192	1,176	13	16						
SWM CAPITAL FUND BALANCE	11	-	11	11	-							
Total Funding	1,335	(132)	1,203	1,187	13	16	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

DMMD 208th to 212th Pipe Project	Project #	SWCIP0015
Closing 2026	Previous Project #	451.842

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replace approximately 1500 feet of existing roadside ditch and corrugated metal pipe along the west side of Des Moines Memorial Drive from 208th Street to 212th Street. Includes installation of 14 manhole structures and minimal road restoration.

Justification/Benefits: The ditch and culvert system along the west side of Des Moines Memorial Drive is insufficient to convey a 25-year storm causing water to pool in the south bound lane of Des Moines Memorial Drive. This project proposes to replace the existing corrugated metal pipe and ditch system with approximately 1500 feet of new 18-inch pipe that would connect to the pipe replacement work made on Des Moines Memorial Drive in 2014. This project is a high priority project (CIP-18) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	156	-	156	156	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,415	63	1,478	1,419	1	59	-	-	-	-	-	-
Contingency	199	(199)	-			-						
Total Expenditures	**1,770**	**(136)**	**1,634**	**1,575**	**1**	**59**	**-**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,339	(136)	1,203	1,140	1	63						
HIGHLINE WATER DISTRICT	431	-	431	431	-							
Total Funding	**1,770**	**(136)**	**1,634**	**1,571**	**1**	**63**	**-**	**-**	**-**	**-**	**-**	**-**
Funding Shortfall/Excess	**-**	**(0)**	**(0)**									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

S. 200th St. Drainage Improvements	Project #	SWCIP0018
	- Previous Project #	451.844

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Stormwater improvements were installed at the intersection of 200th/DMMD in 2020 as part of the intersection upgrade. This project will include a stormwater facility and drainage within 200th Street that connects to the 2020 interesection improvements. This project will coincide with Transportation's Safe Routes to Schools project (S. 200th St. & 199th St. Improvements Segment 1).

Justification/Benefits: Stormwater is presently infiltrated via drywells at several locations along 200th Street. However, during major storms, these drywells are often overwelmed causing water to pool up within the roadway impacting traffic and access to the two schools. This project will extend the recently installed 200th/DMMD stormwater improvements to these drywell areas thereby eliminating the local flooding. A stormwater facility, likely an infiltration/treatment vault is needed to match the infiltration rates/capacity of the existing drywells with the overflows being discharged to the downstream conveyance system.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	51	142	193	-	-	193	-	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	51	142	193	-	-	193	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	51	142	193	-	-	193						
Total Funding	51	142	193	-	-	193	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Service Center Material Storage Improvments	Project #	SWCIP0019
COMPANION PROJECT TO BDCIP0012	Previous Project #	451.845

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Companion project to BDCIP0012. Construct covered material storage bins with associated drainage facilities. Surface Water Management will be contributing 25% of the overall cost.

Justification/Benefits: The Department of Ecology has required the material storage areas in the service center to be covered as an element of the City's NPDES permit.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	11	-	11
Land & Right of Way	-	-	-
Construction	81	-	81
Contingency	10	-	10
Total Expenditures	102	-	102

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	-	11	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	81	-	-	-	-
				10				
-	-	-	11	91	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
SURFACE WATER UTILITY	102	-	102
Total Funding	102	-	102
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-		11	91				
-	-	-	11	91	-	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

5th Ave/212th Street Pipe Upgrade	Project #	SWCIP0020
	- Previous Project #	451.847

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replacement of approximately 2,630 feet of cmp pipe with new 1,700 feet of 12-inch pipe and 930 feet of 18-inch pipe in the North Hill area in the vicinity of 212th Street and 5th Avenue South.

Justification/Benefits: This project will replace over 2,000 feet of aged corrugated metal pipe and upgrade over 900 feet of pipe to 18-inch pipe that has inadequate capacity during major storms. During two major storm events in 2013 and 2014, the pipe system overflowed creating significant erosion near the stairway at 212th Street and Des Moines Memorial Drive. The project will connect to the DMMD pipe upgrade installed in 2014. This project is identified as a high-priority project (CIP-16) in the 2015 Stormwater Comprehensive Plan.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	380	(148)	232	-	1	232	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,103	142	1,245	-	-	-	1,245	-	-	-	-	-
Contingency	330	(1)	329			80	249					
Total Expenditures	1,813	(7)	1,806	-	1	312	1,494	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,813	(7)	1,806	-	-	313	1,493					
Total Funding	1,813	(7)	1,806	-	-	313	1,493	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

216th Pl./ Marine View Dr. Pipe Upgrade	Project #	SWCIP0021
Closing 2026	Previous Project #	451.848

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:

This project proposes to upgrade the ditch along Des Moines Memorial Drive with 300 linear feet of new 18-inch diameter pipe and connecting to 170 linear feet of new larger 24-inch diameter storm system crossing the intersection of MVD (216th Place). The project also proposes to pipe the ditches on the west side of 6th Avenue connecting to the new pipe system on DMMD.

Justification/Benefits: Previous upgrades have occurred within the storm system downstream of the project and west of the project along 216th Place. This project proposes to upsize the 18-inch crossing at Marine View Drive to 24-inch as well as pipe the ditch along Des Moines Memorial Drive. Along the storm segment below MVD near the border of Normandy Park and Des Moines is a buried inaccessible structure that may become blocked with debris and cause backup and flooding of the intersection and overflow to areas of recent landslide activity. This project will be coordinated with the City of Normandy Park (cost share for the portion of project within Normandy Park not shown). This is a high-priority project (CIP-17) listed in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	132	-	132	132	-	-	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	467	22	489	465	1	24	-	-	-	-	-	-
Contingency	32	(32)	-									
Total Expenditures	**631**	**(10)**	**621**	**597**	**1**	**24**	**-**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	631	(10)	621	594	1	27						
Total Funding	**631**	**(10)**	**621**	**594**	**1**	**27**	**-**	**-**	**-**	**-**	**-**	**-**
Funding Shortfall/Excess	-	0	0									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Des Moines Creek Estuary Restoration	Project #	SWCIP0024
-	Previous Project #	451.852

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Phase I of this project would remove 500 feet of rock armoring near the mouth of Des Moines Creek and along shoreline areas adjacent to Des Moines Beach Park in order to restore natural beach slopes and allow natural sediment beach feeding from the shoreline bluffs north of the park. The stream channel would be re-constructed for a length of 25 to 50 feet. The stream mouth area would be planted with riparian and marsh vegetation. Phase II includes the removal of 250 feet of rock armoring and potential removal of the concrete seawall leading from the south side of the creek mouth to the marina.

Justification/Benefits: This project will protect and improve riparian vegetation improve tributary access, protect/increase vegetated shallow nearshore habitat, and protect/enhance the pocket estuary and tributary stream mouth of Des Moines Creek. These benefits translate to more navigable waters for fish to get further upstream which will enhance the ecosystem as well as enhance the recreational experience of the Des Moines Beach Park & trails.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	1,041	261	1,302	416	104	369	309	208	-	-	-	-
Land & Right of Way	4	(1)	3	3	-	-	-	-	-	-	-	-
Construction	16,686	(5,050)	11,636	-	-	-	-	-	11,636	-	-	-
Contingency	1,000	128	1,128			128			1,000			
Total Expenditures	18,731	(4,662)	14,069	419	104	497	309	208	12,636	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	195	(169)	26	2	-	8	8	8				
KC FLD REDCTION GRANT	250	(5)	245	245	-							
KC CWM GRANT	250	1	251	170	81	81						
KC FLD REDCTION GNT #2 (UNSEC)	150	-	150	-	-	150	-					
KC CWM GRANT #2 (UNSECURED)	210	-	210	-	-	210	-					
KC CWM GRANT #3 (2026)	-	150	150	-	-		150					
KC FR GRANT #3 (2026) (UNSEC)	-	195	195	-	-		150	45				
WA ST GRANT (UNSECURED)	17,521	(4,834)	12,687	-	-				12,687			
WA ST GRANT (UNSECURED)	155	-	155	-	-			155				
Total Funding	18,731	(4,662)	14,069	417	81	449	308	208	12,687	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Massey Creek Pocket Estuary and Fish Passage	Project #	SWCIP0025
Closing 2026	Previous Project #	451.853

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This project will improve riparian vegetation, remove armoring and fill, increase nearshore habitat and enhance pocket estuaries and the stream mouth of Massey Creek. This will be accomplished by removing 300 feet of rock line stream bank and small jetty, replacing two long box culverts that are identified as fish barriers, and creating a pocket estuary at the new mouth of the creek.

Justification/Benefits: Over the last 20 years, the City of Des Moines has heavily invested funds in the Massey/Barnes Creek drainage basin by installing habitat, installing detention facilities and removing culverts. Removal of the two significant barriers at the mouth of Massey Creek would further the City's efforts to remove fish barriers throughout the drainage basin and reduce flooding impacts. Several grant applicants for barrier removal upstream of this project have not scored well due to this significant barrier issue at the mouth, so this is a high priority project that will cascade into other barrier and flooding projects in the basin.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	132	1	133	130	2	3	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	132	1	133	130	2	3	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	6	(1)	5	1	-	4						
KC FLOOD REDUCTION GRANT	126	2	128	128	-							
WA STATE GRANT (UNSECURED)	-	-	-	-	-							
Total Funding	132	1	133	129	-	4	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

6th Pl/287th Street Pipe Replacement	Project #	SWCIP0029
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This project will install approximately 1670 ft of 12" 15 catch basins and 4 storm drain manholes. Install now storm systems along NW side of 4th Pl S, long SE side of S 287th St, and NW side of 6th Pl S. Install flow splitter at intersection of 4th Pl S and S 287th St. Drainage easements may be required. Replace 12th CMP with new 12th SD and install diversion structure.

Justification/Benefits: This is a high priority project (CIP-37) listed in the 2015 SWM Comprehensive Plan. This project wil reduce/eliminate localized flooding, replace aging CMP pipe and improve drainage conditions for this system of pipe.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	298	118	416	288	59	128	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,175	-	1,175	-	-	-	1,175	-	-	-	-	-
Contingency	150	(55)	95				95					
Total Expenditures	1,623	63	1,686	288	59	128	1,270	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,374	63	1,437	41	-	125	1,271					
KC FLD CNTRL GNT	249	-	249	246	3	3						
Total Funding	1,623	63	1,686	287	3	128	1,271	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

232nd St (10th to 14th) Pipe Project	Project #	SWCIP0030
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Install new stormwater conveyance system along north side of S 232nd St and east side of 10th Ave S consisting of approcimately 500 ft of 12" pipe, 1270 ft of 18" pipe, 2 catch basins, and 9 storm drain manholes. The conveyance system will outfall to Barnes Creek at the intersection of 10th Ave and S Kent Des Moines Road.

Justification/Benefits: This is a high priority project (CIP-26) listed in the 2015 SWM Comprehensive Plan. This project will replace ditch lines with piped conveyance and replace aging CMP pipe.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	206	-	206	-	-	-	-	206	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	864	-	864	-	-	-	-	-	864	-	-	-
Contingency	175	-	175					75	100			
Total Expenditures	1,245	-	1,245	-	-	-	-	281	964	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,245	-	1,245	-	-			281	964			
Total Funding	1,245	-	1,245	-	-	-	-	281	964	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

16th Ave S Ditch Decommissioning & Stormwater Improvement	Project #	SWCIP0031
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Decommission the ditch that flows from 16th Ave S West to S 258th St. Divert the flow to the existing system running North on 16th Ave S, upsizing pipe as needed for capacity. Project limits are not yet defined but will not go past S 253rd Pl to the North.

Justification/Benefits: This is a high priority project (CIP-34) listed in the 2015 SWM Comprehensive Plan. This project will separate public drainage infrastructure from private properly, and remove ditch lines in a difficult maintenance area.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	161	-	161	25	126	136	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,167	-	1,167	-	-	1,167	-	-	-	-	-	-
Contingency	100	-	100			100						
Total Expenditures	1,428	-	1,428	25	126	1,403	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,428	-	1,428	24	125	1,404						
Total Funding	1,428	-	1,428	24	125	1,404	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

KDM/16th Ave B Pipe Project	Project #	SWCIP0032
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Install a new stormwater conveyance system on west side of 16th Ave S consisting of approximately 1220 ft of 12" pipe and 6 catch basins. Replace the existing ditch along the north side of S Kent-Des Moines Rd (KDM) with approximately 935 ft of 36" pipe and 9 storm drain manholes. The new 16th Ave 5 storm conveyance will connect to the new 36" pipe to the existing storm system at KDM. The 36" storm system will outfall to Barnes Creek.

Justification/Benefits: This is a high priority project (CIP-25B) listed in the 2015 SWM Comprehensive Plan and will coordinated with projects CIP-4 and CIP-25A. This project will reduce localized flooding and replace ditch-line with piped conveyance to make maintenance easier along an principal arterial roadway.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	371	1	372	-	-	32	340	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,157	-	1,157	-	-	-	-	1,157	-	-	-	-
Contingency	336	-	336				85	251				
Total Expenditures	1,864	1	1,865	-	-	32	425	1,408	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,864	1	1,865	-	-	32	425	1,408				
Total Funding	1,864	1	1,865	-	-	32	425	1,408	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Pipe Repair and Replacement Project Program	Project #	SWCIP0033
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Repair or replacement of existing pipes. Locations from year to year will depend on field condition and staff prioritization.

Justification/Benefits: Each year, various issues arise with the existing stormwater drainage infrastructure that require small repairs/replacements. These issues are then assessed and put on a prioritized list of locations that need to be repaired/replaced.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	220	28	248	17	3	4	32	34	37	40	42	42
Land & Right of Way	2	-	2	2	-	-	-	-	-	-	-	-
Construction	2,855	627	3,482	153	82	491	425	444	465	486	509	509
Contingency	-	-	-									
Total Expenditures	**3,077**	**655**	**3,732**	**172**	**85**	**495**	**457**	**479**	**502**	**526**	**551**	**551**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY RATES	3,077	655	3,732	167	2	500	457	479	502	526	551	550
Total Funding	**3,077**	**655**	**3,732**	**167**	**2**	**500**	**457**	**479**	**502**	**526**	**551**	**550**
Funding Shortfall/Excess	**(0)**	**(0)**	**(0)**									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

MVD Pond Retrofit	Project #	SWCIP0035
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This project proposes adding a water quality component to the existing vintage stormwater pond at 22741 Marine View Dr. S. Water quality treatment is a priority at this location as it is adjacent to its receiving water and does not have space to increase its footprint for flow control. Therefore, the retrofit proposes to provide enhanced stormwater treatment using a large at grade custom sized proprietary water quality treatment system or by retrofitting the pond into a stormwater wetland.

Justification/Benefits: Project has been outlined in the 2023 Stormwater Management Action plan as a short-term retrofit project.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	226	-	226	72	50	154	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	932	101	1,033	-	-	-	1,033	-	-	-	-	-
Contingency	80	(1)	79				79					
Total Expenditures	**1,238**	**100**	**1,338**	**72**	**50**	**154**	**1,112**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	-	38	38	2	-	36						
KC FLOOD CTRL GNT	236	(49)	187	69	49	118						
WA STATE GRANT (UNSECURED)	1,002	111	1,113	-	-		1,113					
Total Funding	**1,238**	**100**	**1,338**	**71**	**49**	**154**	**1,113**	**-**	**-**	**-**	**-**	**-**
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

13th Ave S Bioswale Retrofit	Project #	SWCIP0036
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This project will retrofit an existing vintage stormwater biofiltration swale, expanding the width and length to provide current level basic treatment of the 7.1 acres before discharging into Barnes Creek. The footprint of the existing swale will be increased and bioretention soil mix will be amended to increase treatment capacity. Flow spreaders will likely be used at the inlet and along the length of the swale to dissipate energy and evenly distribute flow along the bottom of the swale. a flow splitter will be added upstream of the facility at S. 224th St.

Justification/Benefits: Project has been outlined in the 2023 Stormwater Management Action plan as a short-term retrofit project.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	42	1	43	-	-	-	43	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	152	5	157	-	-	-	-	157	-	-	-	-
Contingency	40	7	47				7	40				
Total Expenditures	234	13	247	-	-	-	50	197	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
WA STATE GRANT (UNSECURED)	234	13	247	-	-		50	197				
Total Funding	234	13	247	-	-	-	50	197	-	-	-	-
Funding Shortfall/Excess	-	(0)	(0)									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Wooton Park Parcel Acquisition	Project #	SWCIP0037
Closing 2026	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Parcel acquisition of two parcels along Redondo Way S directly adjacent to Wooton Park. (Parcel #s: 3222049019 & 3222049115)

Justification/Benefits: In alignment with the City's water quality permit, the existing tree canopy on the target parcels can support stormwater management and improve water quality in nearby receiving waters. These target parcels are directly adjacent to Redondo Creek. Additionally, the current Des Moines Comprehensive Plan emphasizes the importance of preserving tree canopy and greenspace. This open space, along with enhanced access to the outdoors, aligns with the priorities of both the Comprehensive Plan and the water quality goals, providing significant benefits to the Des Moines community.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	-	-	-	-	-	-	-	-	-	-	-
Land & Right of Way	465	(24)	441	441	-	-	-	-	-	-	-	-
Construction	21	(5)	16	-	-	16	-	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	486	(29)	457	441	-	16	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	149	(16)	133	154	-	(21)						
KC GRANT	337	(13)	324	324	-							
Total Funding	486	(29)	457	478	-	(21)	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Beach Park Hillside Pipe Replacement	Project #	SWCIP0039
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Replacement of approximately 65 feet of storm pipe on the Des Moines Beach Park trail leading to the Covenant Beach Estates neighborhood.

Justification/Benefits: The pipe was damaged in a landslide and a temporary pipe was installed. This project will replace that temporary pipe with a permanent asset.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	45	45	8	-	-	37	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	64	63	127	-	-	-	127	-	-	-	-	-
Contingency	-	30	30				30					
Total Expenditures	**64**	**138**	**202**	**8**	**-**	**-**	**194**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	64	138	202	8	-		194					
Total Funding	**64**	**138**	**202**	**8**	**-**	**-**	**194**	**-**	**-**	**-**	**-**	**-**
Funding Shortfall/Excess	**-**	**-**	**-**									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

North Hill Storm Improvements	Project #	SWCIP0040
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This new CIP combines 4 projects identified in the 2015 Comp Plan as medium ranked priorities. This combined project will replace approximate 860 feet of ditch line with 12 inch pipe and 6 catch basins. It will also replace approximately 3150 feet of aging infrastructure with new 12-24 inch pipe and more than 25 new storm drainage structures.

Justification/Benefits: This project will fund and combine four medium priorty projects from the 2015 Comprehensive Plan all located in the North Hill Neighborhood.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	384	-	384	-	-	-	-	-	384	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	1,515	-	1,515	-	-	-	-	-	-	1,515	-	-
Contingency	440	-	440						50	390		
Total Expenditures	2,339	-	2,339	-	-	-	-	-	434	1,905	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	2,339	-	2,339	-	-				434	1,905		
Total Funding	2,339	-	2,339	-	-	-	-	-	434	1,905	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Midway Storm Improvements	Project #	SWCIP0041
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This new CIP combines 3 projects in the Midway neighborhood identified in the 2015 Comp Plan as medium ranked priorities. This combined project will install approx. 1570 feet of new 12 inch storm pipe and 11 new storm drainage structures.

Justification/Benefits: This project will fund and combine three medium priorty projects from the 2015 Comprehensive Plan all located in the Midway regional neighborhood.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	213	-	213	-	-	-	-	-	-	213	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	581	-	581	-	-	-	-	-	-	-	581	-
Contingency	250	-	250							50	200	
Total Expenditures	1,044	-	1,044	-	-	-	-	-	-	263	781	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	1,044	-	1,044	-	-					263	781	
Total Funding	1,044	-	1,044	-	-	-	-	-	-	263	781	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Saltwater Highlands Pond Retrofit	Project #	SWCIP0042
-	Previous Project #	-

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
This project will replace the existing pond with a new stormwater detention/water quality facility.

Justification/Benefits: This project will fund this medium ranked pond retrofit project from the 2015 Comprehensive Plan.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	76	-	76	-	-	-	-	-	-	76	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	354	-	354	-	-	-	-	-	-	-	354	-
Contingency	142	-	142							20	122	
Total Expenditures	572	-	572	-	-	-	-	-	-	96	476	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	572	-	572	-	-					96	476	
Total Funding	572	-	572	-	-	-	-	-	-	96	476	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

240th Street (MVD to 11th Pl) Pipe Project	Project #	SWCIP0043
-	Previous Project #	0

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Summary Project Description:
On the N side of S 240th St, replace roadside ditches, remove driveway culverts with the new 12-inch storm system Connect into existing structures at the west and east ends of S 240th St. On the S side of S 240th St, install new 12-inch storm system. The project improvements will install approximately 1520 feet of 12-inch storm pipe and 14 catch basins.

Justification/Benefits: This project will fund a medium ranked capital improvement project that was identified in the 2015 SWM Comprehensive Plan.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	175	175	-	-	-	-	-	-	-	175	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	305	305	-	-	-	-	-	-	-	-	305
Contingency	-	90	90									90
Total Expenditures	-	570	570	-	-	-	-	-	-	-	175	395

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	-	570	570	-	-						175	395
Total Funding	-	570	570	-	-	-	-	-	-	-	175	395
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marina Steps Bioretention Planters	Project #	SWCIP0044
COMPANION PROJECT TO MCCIP0030	Previous Project #	0

CIP Category: Surface Water Management

Managing Department: Plan, Build & PW Admin

Justification/Benefits: 0

Summary Project Description:
Companion project to MCCIP0030.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	-	-	-
Land & Right of Way	-	-	-
Construction	-	177	177
Contingency	-	-	-
Total Expenditures	-	177	177

ANNUAL ALLOCATION									
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	177	-	-	-	-	-	-
-	-	177	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
REET 1	-	177	177
Total Funding	-	177	177
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	177						
-	-	177	-	-	-	-	-	-

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

ADA Compliance Program	Project #	TRCIP0001
	- Previous Project #	101.571.531

CIP Category: Street Operating Projects

Managing Department: Plan, Build & PW Admin

Justification/Benefits: Implementation of ADA Transition Plan.

Summary Project Description:

Installation of ADA Right-of-Way and facility improvements. The program prioritizes projects near public facilities, schools, in commercial areas, and locations with high amounts of pedestrian traffic. Special consideration is given to locations with past pedestrian accident history and where citizen complaints are received.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	52	19	71	32	-	3	6	6	6	6	6	6
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	432	177	609	187	-	36	56	56	66	66	66	76
Contingency	-	-	-			-	-	-	-	-	-	
Total Expenditures	484	196	680	219	-	39	62	62	72	72	72	82

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
AUTOMATED SPEED ENFORCMENT	132	-	132	132	-							
GENERAL FUND TRANSFER	-	-	-	-	-							
FUND BALANCE	41	-	41	41	-							
REDONDO SPEED ENFORCEMENT	284	196	480	19	-	39	62	62	72	72	72	82
ARPA FUNDING	12	-	12	12	-							
WCIA - RISK MITIGATION GRANT	15	-	15	15	-							
Total Funding	484	196	680	219	-	39	62	62	72	72	72	82
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Guardrail Program	Project #	TRCIP0002
	- Previous Project #	101.571.532

CIP Category: Street Operating Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Install new or replace outdated guardrail City wide.

Justification/Benefits: This program is specifically intended to target roadside safety on the City's street system. These locations are where guardrail is warranted (determined by the American Association of State Highway and Transportation Officials - AASHTO - Roadside Design Guide and City Policy) but where none exists, and where the existing guardrail does not meet current design standards and should be upgraded to enhance safety. Vehicle impact with substandard guardrail installations can potentially increase the severity of the collision.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	21	-	21
Land & Right of Way	-	-	-
Construction	207	17	224
Contingency	-	-	-
Total Expenditures	**228**	**17**	**245**

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
7	-	2	2	2	2	2	2	2
-	-	-	-	-	-	-	-	-
33	9	35	26	26	26	26	26	26
40	**9**	**37**	**28**	**28**	**28**	**28**	**28**	**28**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
REET 2	60	-	60
REDONDO SPEED ENFORCEMENT	168	17	185
Total Funding	**228**	**17**	**245**
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
37	-	23	-	-	-	-		
-	9	17	28	28	28	28	28	28
37	**9**	**40**	**28**	**28**	**28**	**28**	**28**	**28**

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Street Pavement Preservation	Project #	TRCIP0003
-	Previous Project #	102.102

CIP Category: Arterial Street Repaving

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Maintain and preserve the integrity of the City's existing roadway surfaces through a combination of pavement rehabilitation measures, such as chip seals, patches and overlays.

Justification/Benefits: The City's Comprehensive Transportation Plan has identified the Pavement Management Program as a high priority. A major component of this program are pavement maintenance and rehabilitation projects. These projects are intended to protect and preserve the surface condition and help maintain the structural integrity of roadways. With proper maintenance, asphalt pavement has a design life of 20 to 25 years. There are approximately 100 centerline miles of roadway. Given the design life of pavement, the Pavement Management Program should strive to maintain at least 4 to 5 centerline miles of roadway bi-annually, if resources are available.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	1,077	50	1,127	420	5	101	101	101	101	101	101	101
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	7,550	178	7,728	4,543	1	455	455	455	455	455	455	455
Contingency	3,695	850	4,545			495	550	600	650	700	750	800
Total Expenditures	12,322	1,078	13,400	4,963	6	1,051	1,106	1,156	1,206	1,256	1,306	1,356

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
STREET PAVEMENT FUND	15	-	15	15	-							
TRANSPORTATION BENEFIT DIST	4,996	1,074	6,070	1,520	4	500	550	600	650	700	750	800
FRANCHISE FEES	2,655	-	2,655	2,655	-							
REDONDO SPEED ENFORCEMENT	3,892	4	3,896	4	-	556	556	556	556	556	556	556
INTERLOCAL AGREEMENT	764	-	764	764	-							
Total Funding	12,322	1,078	13,400	4,958	4	1,056	1,106	1,156	1,206	1,256	1,306	1,356
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

S 224th St Improvements	Project #	TRCIP0006
-	Previous Project #	319.336

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Improvements identified for South 224th Street are for a "Type A" street including curbs, gutters, wide sidewalks, bike lanes, and a cul-de-sac street end to the east. This project includes design, environmental analysis, and preparation of plans, specifications, and estimates by a consultant. In-lieu fees have been obtained and will fund the design as well as the construction.

Justification/Benefits: This project has been identified as one of the Pacific Ridge Neighborhood Mitigation Project. Sidewalks are lacking completely on the north side of 224th Street and there is currently an incomplete section of sidewalk on the south side. This sidewalk will provide a safer pedestrian connection between 30th Ave South and Pacific Highway South.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	117	-	117	1	-	-	116	-	-	-	-	-
Land & Right of Way	96	-	96	-	-	-	96	-	-	-	-	-
Construction	632	-	632	-	-	-	-	632	-	-	-	-
Contingency	69	-	69				31	38				
Total Expenditures	914	-	914	1	-	-	243	670	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
TRAFFIC IMPACT FEE - PAC RIDGE	606	-	606	606	-							
TRAFFIC IMPACT FEE- SND TRNST	154	-	154	154	-							
PR CONTR- SOUND TRANSIT	154	-	154	-	-	154						
Total Funding	914	-	914	760	-	154	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Downtown Alley Improvement	Project #	TRCIP0007
-	Previous Project #	319.337

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Project will underground general utilities, overlay alley between 223rd and 227th, provide for urban design features and elements to create a vibrant, pedestrian friendly corridor.

Justification/Benefits: An active pedestrian alley provides economic benefit to the city by generating additional sales for local businesses which increases sales tax and B&O tax revenues to the city.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	102	-	102	2	-	100	-	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	445	-	445	-	-	445	-	-	-	-	-	-
Contingency	244	-	244			244						
Total Expenditures	**791**	**-**	**791**	**2**	**-**	**789**	**-**	**-**	**-**	**-**	**-**	**-**

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
ONE TIME TAX	148	(25)	123	123	-							
GENERAL FUND TRANSFER	393	-	393	393	-							
TRANSPORTATION BENEFIT DISTRCT	250	-	250	-	-	250						
REET 1	-	25	25	-	-	25						
Total Funding	**791**	**-**	**791**	**516**	**-**	**275**	**-**	**-**	**-**	**-**	**-**	**-**
Funding Shortfall/Excess	**-**	**-**	**-**									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Barnes Creek Trail	Project #	TRCIP0008
	- Previous Project #	319.345

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Widen S. 240th Street roadway to three lanes at the intersections of 16th Ave and 20th Ave S. and provide a multi-use trail on the north side (Barnes Creek Trail), bike lane on the south side, transit stops, curb, gutter, and planter strips where feasible. Trail will provide connectivity between the Barnes Creek Trail on 16th Ave S. and Highline College.

Justification/Benefits: The need for pedestrian and bicycle facilities along S. 240th St. and continuation of the Barnes Creek Trail is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. S. 240th St. has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway corridor. The Barnes Creek Trail multi-use path will ultimately connect Highline College to South 216th St. via S. 240th St, 16th Ave S., and adjacent historic SR509 right-of-way between Kent Des Moines Rd., and S. 216th St.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	1,932	4	1,936	1,933	2	3	-	-	-	-	-	-
Land & Right of Way	279	-	279	276	-	3	-	-	-	-	-	-
Construction	7,521	618	8,139	690	960	7,236	213	-	-	-	-	-
Contingency	590	(13)	577			577						
Total Expenditures	10,322	609	10,931	2,899	962	7,819	213	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
KING COUNTY PARK LEVY	288	-	288	288	-							
TRANSPORTATION CIP FUND	69	-	69	69	-							
TRAFFIC IMPACT FEE - CITY WIDE	190	-	190	190	-	-						
REET 1	764	-	764	764	-							
PRIVATE CONTRIBUTIONS	35	-	35	35	-							
STREET PAVEMENT FUND	705	609	1,314	107	-	1,207						
TRANSPORTATION BENEFIT DISTRCT	505	-	505	-	-	505						
FEDERAL GRANTS CMAQ-FHWA (SEC)	379	-	379	379	-							
FEDERAL GRANTS (UNSECURED)	-	-	-	-	-							
PRIVATE CONTRIBUTION - LUMEN	1	-	1	-	-	1						
PRIVATE CONTRIBUTION - COMCAST	290	-	290	-	-	290						
PRIVATE CONT - PSE SCH 74	204	-	204	-	-	204						
KING COUNTY CONSERVATION GRANT	45	-	45	45	-							
SOUND TRANSIT SYSTEM ACC GRNT	1,985	-	1,985	-	149	1,985						
KING COUNTY METRO (SECURED)	118	-	118	118	-							
HIGHLINE WATER DISTRICT ILA	944	-	944	-	604	944						
TIB GRANT (SECURED)	300	-	300	300	-							
WSDOT GRANT	3,500	-	3,500	612	210	2,888						
Total Funding	10,322	609	10,931	2,907	963	8,024	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

16th Ave - Seg 5A	Project #	TRCIP0009
-	Previous Project #	319.471

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:

South 272nd Street to approximately 1000 feet south of S 272nd Street. Install curbs, gutters, sidewalks, enclosed drainage system and bike lanes along both sides of the street. Improve existing lighting and install left turn lane. Cost estimates reflect overhead utilities. Undergrounding utilities would be a significant increase. This project coordinates with Segment 5B.

Justification/Benefits: The need for pedestrian facilities is identified in the City's Comprehensive Transportation Plan and 6 Yr TIP. This corridor has numerous single-family developments that generate pedestrian traffic along the shoulder of the road. It is used to access schools, parks, churches and shopping areas. 16th Ave is classified as a principal arterial and is identified as a pedestrian walkway route. Future growth will highlight the need for separated pedestrian facilities. This project also improves mobility and safety by adding left turn lanes and improving street lighting. The costs indicated in this worksheet reflect overhead utilities. Undergrounding of existing utilities would increase the cost dramatically. This project will be coordinated with Segment 5B.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	130	-	130	-	-	-	-	-	-	130	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-	-	-	-	-
Contingency	74	-	74							74		
Total Expenditures	204	-	204	-	-	-	-	-	-	204	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
TRAFFIC IN-LIEU	75	-	75	75	-							
IN-LIEU ASHTON (RECEIVED)	129	-	129	129	-							
Total Funding	204	-	204	204	-	-	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

24th Ave S. Improvements Project (Segment 2)	Project #	TRCIP0010
Closing 2026	Previous Project #	319.606

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Construct 3-lane roadway with bike lanes and sidewalks, two-way left turn lane, illumination, storm drainage, and pedestrian cross-walks from S. 224th Street to Kent-Des Moines Road. This project will be completed in conjunction with SWM's 24th Ave. Pipeline Replacement project extension to South 227th Street.

Justification/Benefits: Provides safer pedestrian and multi-modal mobility especially for school aged children. This project is adjacent to Midway Elementary and Pacific Middle School which has been identified as a top ranking priority project in the HEAL funded Safe Routes to School study/inventory.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	750	-	750	750	-	-	-	-	-	-	-	-
Land & Right of Way	566	(3)	563	563	-	-	-	-	-	-	-	-
Construction	7,214	571	7,785	7,340	440	445	-	-	-	-	-	-
Contingency	1,458	(568)	890			890	-	-	-	-		
Total Expenditures	9,988	-	9,988	8,653	440	1,335	-	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
AUTOMATED SPEED ENFORCEMENT	254	-	254	254	-	-	-	-	-	-		
ASE (UNSECURED)	-	-	-	-	-							
TRAFFIC IMPACT FEE - CITY WIDE	881	-	881	881	-	-	-	-	-	-		
ROW IN-LIEU	236	-	236	236	-	-	-	-	-	-		
STREET PAVEMENT FUND	2,594	(883)	1,711	2,406	-	(695)	-	-	-	-		
PSE SETTLEMENT	-	876	876	-	230	876						
HIGHLINE WATER DISTRICT ILA	1,320	-	1,320	1,090	-	230	-	-	-	-		
HIGHLINE SCHOOL DISTRICT - ILA	113	-	113	113	-							
CENTURYLINK AGREEMENT	376	-	376	299	-	77						
TIB GRANT (SECURED)	4,214	7	4,221	4,221	-							
Total Funding	9,988	-	9,988	9,500	230	488	-	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Marine View Dr / South 240th St. Intersection Improvement	Project #	TRCIP0011
-	Previous Project #	319.608

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Re-align intersection and install intersection improvement at the intersection of Marine View Drive and S 240th Street.

Justification/Benefits: The project will install an intersection improvement at this intersection which will reduce crash severity for all users, allowing safer mergers into circulating traffic, and provide more perception time for all users due to the lower vehicle speeds. There will be fewer overall conflict points and no left-turn conflicts. An environmental benefit minimizes delays with infrequent stops being required during off-peak periods. The improvement will provide an opportunity for pedestrian crossings of Marine View Drive under slower vehicle speed conditions.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	223	-	223	56	-	-	-	-	-	167	-	-
Land & Right of Way	223	-	223	-	-	-	-	-	-	223	-	-
Construction	1,537	-	1,537	-	-	-	-	-	-	-	1,537	-
Contingency	195	-	195							195		
Total Expenditures	2,178	-	2,178	56	-	-	-	-	-	585	1,537	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
TRAFFIC IN-LIEU	617	-	617	-	-					270	347	
TRAFFIC IMPACT FEES - CITY WID	55	-	55	55	-							
WA ST GRANT (UNSECURED)	1,506	-	1,506	-	-					120	1,386	
Total Funding	2,178	-	2,178	55	-	-	-	-	-	390	1,733	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Arterial Traffic Calming	Project #	TRCIP0012
-	Previous Project #	319.619

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:

Install arterial traffic calming devices such as permanent radar speed signs, road re-channelization, and other appropriate devices for use on arterial streets. These devices are intended for higher volume roads and emergency response routes which have different characteristics than local roads. Locations are yet to be determined and based on operational characteristics.

Justification/Benefits: Arterial traffic calming devices have been shown to potentially reduce operational speeds and bring awareness to the motoring public. Lower operating speeds can improve the traffic safety for vehicle users as well as pedestrians using adjacent facilities.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	151	4	155	78	7	11	11	11	11	11	11	11
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	499	(86)	413	161	-	36	36	36	36	36	36	36
Contingency	198	417	615			82	233	60	60	60	60	60
Total Expenditures	848	335	1,183	239	7	129	280	107	107	107	107	107

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
GENERAL FUND TRANSFER	152	-	152	152	-							
AUTOMATED SPEED ENFORCEMENT	15	-	15	15	-							
REDONDO SPEED ENFORCEMENT	661	335	996	50	4	131	280	107	107	107	107	107
ARPA FUNDING	20	-	20	20	-							
Total Funding	848	335	1,183	237	4	131	280	107	107	107	107	107
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

South 240th Street Improvements - Segment 1	Project #	TRCIP0016
-	Previous Project #	319.630

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Widen roadway to three lanes between 20th Ave S and the East City limits and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	505	-	505	-	-	-	-	-	505	-	-	-
Land & Right of Way	303	-	303	-	-	-	-	-	303	-	-	-
Construction	6,060	-	6,060	-	-	-	-	-	-	6,060	-	-
Contingency	682	-	682						142	540		
Total Expenditures	7,550	-	7,550	-	-	-	-	-	950	6,600	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
PRIVATE CONTRIBUTIONS	87	-	87	87	-							
PRIVATE CONTRIBUTIONS	163	-	163	-	-					163		
LOCAL GRANTS (UNSECURED)	3,980	-	3,980	-	-				470	3,510		
WA ST GRANT (UNSECURED)	3,320	-	3,320	-	-				480	2,840		
Total Funding	7,550	-	7,550	87	-	-	-	-	950	6,513	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

North Hill Elementary Walkway Improvements	Project #	TRCIP0021
	Previous Project #	319.620

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Installation of approximately 800 linear feet of curbs, gutter, sidewalks, ADA curb ramps, bike lane, storm drainage, retaining walls and driver radar feedback signs on both sides of South 200th St from 8th Avenue South to 10th Place South.

Justification/Benefits: The proposed walkway improvements support the City's non-motorized priority identified within the City's Comprehensive Transportation Plan and Safe Routes to School Project Report. South 200th Street is a high pedestrian corridor serving the North Hill Public Schools.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	651	145	796	637	45	159	-	-	-	-	-	-
Land & Right of Way	640	167	807	374	186	392	41	-	-	-	-	-
Construction	3,670	(34)	3,636	-	-	-	3,636	-	-	-	-	-
Contingency	461	321	782			338	444					
Total Expenditures	5,422	599	6,021	1,011	231	889	4,121	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
SURFACE WATER UTILITY	94	104	198	6	-	192						
AUTOMATED SPEED ENFORCEMENT	205	-	205	113	-	92						
REET 1	-	-	-	-	-							
STREET PAVEMENT FUND	1,323	195	1,518	1	-	1,300	217					
REDONDO SPEED ENFORCEMENT	300	-	300	-	-	300						
TRANSPORTATION BENEFIT DISTRCT	500	300	800	-	-	500	300					
WA ST SAFE ROUTES TO SCHOOL	3,000	-	3,000	889	169	2,111						
Total Funding	5,422	599	6,021	1,009	169	4,495	517	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Kent-Des Moines Rd - Seg 2	Project #	TRCIP0023
-	Previous Project #	319.625

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Widen roadway to 5 lanes between 24th Avenue South and Pacific Highway South and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along Kent-Des Moines Road is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. Kent-Des Moines Rd has numerous multi-family developments that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	490	-	490	-	-	-	-	-	-	-	490	-
Land & Right of Way	505	-	505	-	-	-	-	-	-	-	505	-
Construction	5,874	-	5,874	-	-	-	-	-	-	-	-	5,874
Contingency	400	-	400									400
Total Expenditures	7,269	-	7,269	-	-	-	-	-	-	-	995	6,274

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
TRAFFIC IMPACT FEE - CITY WIDE	554	-	554	-	-						495	59
PRIVATE CONTRIBUTIONS	500	-	500	-	-						500	
LOCAL GRANT (UNSECURED)	5,815	-	5,815	-	-							5,815
WA STATE GRANT (UNSECURED)	400	-	400	-	-							400
Total Funding	7,269	-	7,269	-	-	-	-	-	-	-	995	6,274
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

30th Ave S Improvements - South Segments	Project #	TRCIP0024
-	Previous Project #	319.629

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Roadway improvements to include full roadway reconstruction, bike lanes, sidewalk, and parking between S 224th St and Kent-Des Moines Road.

Justification/Benefits: The need for multimodal facilities the 30th Ave S is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. 30th Ave S has numerous multi-family developments that generate pedestrian traffic along the corridor. This is only anticipated to increase with the planned Sound Transit Light Rail extension, new station, and redevelopment that could occur as a result.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	606	-	606	-	-	-	-	606	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	5,050	-	5,050	-	-	-	-	-	5,050	-	-	-
Contingency	500	490	990					490	500			
Total Expenditures	6,156	490	6,646	-	-	-	-	1,096	5,550	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
TRAFFIC IN-LIEU- SOUND TRANSIT	350	350	700	-	-	350	350					
PRIVATE IN-LIEU	140	140	280	-	-	140	140					
WA ST GRANT (UNSECURED)	5,610	-	5,610	-	-			110	5,500			
NO FUNDING SOURCE IDENTIFIED	56	-	56					6	50			
Total Funding	6,156	490	6,646	-	-	490	490	116	5,550	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

South 240th Street Improvements - Segment 3	Project #	TRCIP0025
-	Previous Project #	319.631

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Widen roadway to three lanes between Marine View Drive and 16th Ave South and provide a continuous center turn lane, bike lanes, transit stops, curb, gutter and planters.

Justification/Benefits: The need for pedestrian and bicycle facilities along South 240th Street is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. South 240th Street has residential properties and Highline College that generate pedestrian and bicycle traffic along the shoulder of the road. Pedestrians use this route to access bus stops, Highline College, and the Pacific Highway Corridor. Roadway widening is needed to increase capacity as well as develop a complete street serving vehicles pedestrians, bicycles and transit.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	647	-	647	-	-	-	-	-	-	647	-	-
Land & Right of Way	253	-	253	-	-	-	-	-	-	253	-	-
Construction	4,747	-	4,747	-	-	-	-	-	-	-	4,747	-
Contingency	243	-	243							40	203	
Total Expenditures	5,890	-	5,890	-	-	-	-	-	-	940	4,950	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
TRAFFIC IN-LIEU	3,205	-	3,205	-	-					300	2,905	
PRIVATE CONTRIBUTIONS	200	-	200	-	-					200		
WA STATE GRANT (UNSECURED)	2,485	-	2,485	-	-					440	2,045	
Total Funding	5,890	-	5,890	-	-	-	-	-	-	940	4,950	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

S 223rd Strt Complete Street Impr	Project #	TRCIP0026
-	Previous Project #	-

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
A portion of S 223rd St will be re-developed to include water quality and pedestrian improvements that increase connectively between downtown and the Marina while improving the water quality of stormwater as it runs into Puget Sound.

Justification/Benefits: South 223rd Street, between Marine View Drive South and Cliff Avenue South, will be re-developed to include a pedestrian promenade that increase connectively between downtown and the North Marina waterfront. The project also constructs urban swales to improve water quality from stormwater runoff prior to reaching Puget Sound, and enhance the character and pedestrian experience of the corridor.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	1,379	(424)	955	318	-	-	637	-	-	-	-	-
Land & Right of Way	-	-	-	-	-	-	-	-	-	-	-	-
Construction	2	-	2	2	-	-	-	-	-	-	-	-
Contingency	-	-	-									
Total Expenditures	1,381	(424)	957	320	-	-	637	-	-	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
REET 1	36	-	36	18	-		18					
WA DEPT. OF COMMERCE	300	-	300	300	-							
WA ST DEPT OF ECOLOGY	-	580	580	-	-		580					
NO FUNDING SOURCE IDENTIFIED	1,045	(1,004)	41				41					
Total Funding	1,381	(424)	957	318	-	-	639	-	-	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

24th Ave S Improvements - Segment 1	Project #	TRCIP0027
New 2026	Previous Project #	0

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Construct 3-lane roadway with bike lanes and sidewalks, a two-way left turn lane, illumination system, storm drainage system, traffic calming measures and improved pedestrian crosswalks, between South 216th Street and South 223rd Street.

Justification/Benefits: The need for pedestrian and bicycle facilities along 24th Ave S. is identified in the City's Comprehensive Transportation Plan and the Six Year Transportation Improvement Plan. Provides safer pedestrian and multi-modal mobility especially for school aged childrenfor the nearby Midway Elementary and Pacific Middle School.

PROJECT SCOPE				*ANNUAL ALLOCATION*								
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
Design	-	1,002	1,002	-	-	383	619	-	-	-	-	-
Land & Right of Way	-	456	456	-	-	132	324	-	-	-	-	-
Construction	-	7,129	7,129	-	-	-	-	5,424	1,705	-	-	-
Contingency	-	750	750					350	400			
Total Expenditures	-	9,337	9,337	-	-	515	943	5,774	2,105	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*	*Project to Date 12/31/25*	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
AUTOMATED SPEED ENFORCEMENT	-	2,135	2,135	-	-	2	4	1,074	1,055			
STREET PAVEMENT FUND	-	200	200	-	-			200				
TRAFFIC IMPACT FEE - CITY WIDE	-	2,002	2,002	-	-	63	239	1,000	700			
TIB GRANT (SECURED)	-	5,000	5,000	-	-	450	700	3,500	350			
Total Funding	-	9,337	9,337	-	-	515	943	5,774	2,105	-	-	-
Funding Shortfall/Excess	-	-	-									

CITY OF DES MOINES
2027-2032 CAPITAL IMPROVEMENTS PLAN
(Amount in Thousands)

Safe Streets for All	Project #	TRCIP0028
New 2026	Previous Project #	0

CIP Category: Transportation - Capital Projects

Managing Department: Plan, Build & PW Admin

Summary Project Description:
Project proposes pedestrian crossing safety treatments, stop control conversion, signal timing upgrades and optimization, and implementation of neighborhood traffic calming measures.

Justification/Benefits: Proposed saftey measures support saftey improvements for all multi-modal roadway users.

PROJECT SCOPE			
Expenditures	*Current Budget*	*Requested Change*	*Total Budget*
Design	-	779	779
Land & Right of Way	-	-	-
Construction	-	1,053	1,053
Contingency	-	120	120
Total Expenditures	-	1,952	1,952

ANNUAL ALLOCATION								
Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	61	718	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	1,053	-	-	-
					120			
-	-	61	718	-	1,173	-	-	-

Funding Sources	*Current Budget*	*Requested Change*	*Total Budget*
AUTOMATED SPEED ENFORCEMENT	-	392	392
SS4A USDOT GRANT	-	1,560	1,560
Total Funding	-	1,952	1,952
Funding Shortfall/Excess	-	-	-

Project to Date 12/31/25	*Actuals Year 2026*	*Scheduled Year 2026*	*Plan Year 2027*	*Plan Year 2028*	*Plan Year 2029*	*Plan Year 2030*	*Plan Year 2031*	*Plan Year 2032*
-	-	11	218		163			
-	-	50	500		1,010			
-	-	61	718	-	1,173	-	-	-

GLOSSARY OF TERMS

ADA: Acronym for "Americans with Disabilities Act."

ARRA: Acronym for "American Recovery and Reinvestment Act" or commonly referred to as *The Stimulus* or *The Recovery Act*

ASARCO: Acronym for "American Smelting and Refining Company."

ASE: Acronym for "Automated Speed Enforcement" Program, which addresses traffic safety in school zones: 1) Woodmont Elementary School (16th Avenue South); and 2) Midway Elementary School and Pacific Middle School (24th Avenue South).

BFP: Boating Facilities Program state grant, administered by the Washington State Recreation and Conservation Office (RCO).

BRAC: Acronym for "Bridge Replacement Advisory Committee," which advises WSDOT's Highways and Local Programs (H&LP) Director to help inform the selection of bridge projects for funding from WSDOT's Highway Bridge Program (HBP).

CDBG: Acronym for "Community Development Block Grant."

CIP: Acronym for "Capital Improvement Plan."

CMAQ: Acronym for "Congestion Mitigation and Air Quality."

CTED: Acronym for "Community, Trade and Economic Development."

Capital Expenditure: An expenditure which leads to the acquisition of a physical asset with a cost between $5,000 and $25,000 and a useful life of at least one year. Such expenditures are charged through an individual department's operating budget and do not include those provided for in the Capital Improvement Plan project budget.

Capital Facility: A structure, improvement, piece of equipment or other major asset, including land, which has a useful life of at least five years. Capital facilities are provided by or for public purposes and services.

Capital Improvement: A project to create, expand, or modify a capital facility. The project may include design, permitting, environmental analysis, land acquisition, construction, landscaping, site improvements, initial furnishings and equipment and studies related to need and implementation. The project cost must exceed $25,000 and have a useful life of five years.

Capital Improvement Plan: An approach or technique for identifying and forecasting capital outlay decisions that a government expects to make over a six year period.

Capital Outlay: Expenditures that result in the acquisition of or addition to capital assets.

Capital Project: The largely one-time cost for acquisition, construction, improvement, replacement or renovation of land structures and improvements thereon.

Comprehensive Plan: A method to utilize and strengthen the existing role, processes, and powers of local governments to establish and implement comprehensive planning programs which guide and control future development.

Contingency: A budgetary reserve set aside for emergency or unanticipated expenditures.

DMLF: Acronym for "Des Moines Legacy Foundation."

DMMD: Acronym for "Des Moines Memorial Drive."

Debt: An obligation resulting from the borrowing

Debt Service: The payment of principal and interest on borrowed funds and required contributions to accumulate monies for future retirement of bonds.

Debt Reserve: Monies restricted for the payment of principal and interest on outstanding bonds, usually based on the average annual debt service due on the outstanding bonds. A bond covenant that provides additional security for bond holders.

DOE: Acronym for "Department of Ecology."

EDA: Acronym for "Economic Development Administration."

EECBG: Acronym for "Energy Efficiency and Conservation Block Grant Program" which provides funds used for energy efficiency and conservation programs and projects community wide, as well as renewable energy installations on government buildings.

Expenditure/Expense: This term refers to the outflow of funds paid for an asset obtained or goods and services obtained.

FEMA: Acronym for "Federal Emergency Management Agency."

FHWA: Acronym for "Federal Highway Administration."

Fund: A fiscal/accounting entity that is established to accomplish specific objectives and carry out specific activities. The operation of each fund is accounted for by providing a separate set of self-balancing accounts that comprise its assets, liabilities, fund equity, revenues and expenditures.

Fund Balance: Fund equity that reflects the accumulated excess of revenues and other financing sources over expenditures and other uses.

General Fund: The General Fund accounts for all revenues and expenditures not required to be accounted for in another fund. As is usual in state and local governments, it is the largest and most important accounting entity of the City.

General Governmental: The term describes funding and programs related to activities such as public safety, parks, transportation, and public health. Revenues to support such activities are generated primarily from taxes and user fees.

General Obligation Bonds: Bonds that finance a variety of public projects that are backed by the full faith and credit of the issuing government.

GIS: Acronym for “Geographical Information System.”

GO: Acronym for “General Obligation” Bonds.

Grant: A contribution by Federal, State, and other jurisdiction or organization to support a particular function.

HES: Acronym for “Hazard Elimination Safety.”

HOV: Acronym for “High Occupancy Vehicle.”

HSPF: Acronym for “Hydrological Simulation Program – Fortran.”

HVAC: Acronym for “Heating, Ventilating, and Air Conditioning.”

IAC: Acronym for Washington State Interagency Committee for Outdoor Recreation. This agency now is called Recreation and Conservation Office (RCO).

ILA: Acronym for “Interlocal Agreement”.

Impact Fees: A payment of money imposed by the City upon development activity as a condition of issuance of a building permit to pay for public facilities needed to serve new growth and development, and to mitigate the impacts of the development activity on the existing public facilities.

Infrastructure: The physical assets of a government (e.g., streets, bridges, water, sewer, storm systems, public buildings, parks, etc.).

In-Lieu: A payment alternative for funding capital expenditures.

Interfund Transfer: The movement of monies between funds of the same government entity.

ISTEA: Acronym for “Intermodal Surface Transportation Efficiency Act of 1991”.

KDM: Acronym for “Kent Des Moines” Road.

Level of Service: A quantifiable measure of the amount of public facility that is provided. Typically, measure of levels of service are expressed as ratios of facility capacity to demand.

LID: A Local Improvement District, or special assessments made against certain properties to defray part or all of the cost of a specific improvement or service deemed to primarily benefit those properties.

MCI: Acronym for “Municipal Capital Improvement” Fund.”

Ordinance: A formal legislative enactment by the governing body of a municipality. If it is not in conflict with any higher form of law, such as a state statute or constitutional provision, it has the full force and effect of law within the boundaries of the municipality to which it applies.

POS: Acronym for “Port of Seattle.”

PSE: Acronym for “Puget Sound Energy.”

Pac Hwy: Pacific Highway South.

Park In-Lieu Fees: A voluntary payment of money from a subdivision or multi-family development as an alternative to providing open space or park land for recreation purposes.

Pay-As-You-Go Basis: A term used to describe the financial policy of a government that finances all of its capital outlays from current revenues rather than borrowing. A government that pays for some improvements from current expenses and by borrowing is said to be on a modified pay-as-you-go basis.

Program: A distinct function of city government provided to the public or a function providing support to the direct services of other city departments.

Proprietary: The term describes funding and programs related to government owned public facilities that serve the public such as water, sewer, and surface water utilities, or recreation facilities such as marinas. Revenues to support such activities are generated primarily from user rates.

Public Facilities: Streets, roads, highways, bridges, sidewalks, street and road lighting systems, traffic signals, domestic water systems, storm and sanitary sewer systems, and parks and recreational facilities, including the necessary ancillary and support facilities under the ownership of the City of Des Moines or other government entity.

Public Services: Fire protection and suppression, law enforcement, public health, education, recreation, environmental protections, and other governmental services.

PWTF Loan: Acronym for “Public Works Trust Fund Loan”.

RAB: Acronym for “Round-a-bout.”

RCO: The Washington State Recreation and Conservation Office (formerly the Office of the Interagency Committee, also known as IAC).

REET: Acronym for “Real Estate Excise Tax”.

ROW: Right-of-Way

Resolution: A special or temporary order of a legislative body; an order of a legislative body requiring less legal formality than an ordinance or statute.

Revenue: Money that flows into the local government. It is recurring if it is received on a consistent basis (e.g., sales taxes and property taxes) and nonrecurring if it is received irregularly (e.g., federal and state grants).

Revenue Bonds: Revenue bonds are used for such public projects that will generate revenue producing facilities. Unlike general obligation bonds, revenue bonds are not backed by the full financial resources of the jurisdiction. Instead, security is offered by pledging revenues generated from the new facility.

SJUM: Acronym for "Steven J. Underwood Memorial" Park.

SRTS: Acronym for "Safe Routes to School."

STP: Acronym for "Surface Transportation Program."

SWM: Acronym for "Surface Water Management" Fund."

Tax: Compulsory charge levied by a government to finance services performed for the common benefit.

TEA21: Acronym for "Transportation Equity Act for the 21st Century."

TIA: Acronym for "Transportation Improvement Account."

TIB: Acronym for "Transportation Improvement Board," an independent state agency that makes and manages street construction and maintenance grants throughout Washington State.

TPP: Acronym for "Transportation Partnership Program."

User Fee: The payment of a fee for a direct receipt of a public service by the party benefiting from the service.

WRIA: Acronym for "Water Resource Inventory Area."

WSDOT: Acronym for "Washington State Department of Transportation."

DRAFT RESOLUTION NO. 26-098

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF DES MOINES, WASHINGTON, relating to capital improvements planning, adopting the 2026-2031 City of Des Moines Capital Improvements Plan, and superseding Resolution No. 1490.

WHEREAS, the City Council of the City of Des Moines adopted the 2026-2031 Capital Improvement Plan by Resolution No. 1490, and

WHEREAS, the City Council finds it to be in the public interest to adopt the 2027-2032 Capital Improvements Plan; now therefore,

THE CITY COUNCIL OF THE CITY OF DES MOINES RESOLVES AS FOLLOWS:

Sec. 1. The City of Des Moines Capital Improvements Plan 2027-2032 is adopted by reference, as a guide for future capital improvement projects and policies.

Sec. 2. The City Manager is directed to submit to the City Council, for approval or adoption, annual updates to the Des Moines Capital Improvements Plan at least once a year.

Sec. 3. The City Manager is directed to submit to the City Council, for approval or adoption, amendments to specific projects contained in the Capital Improvements Plan when any project exceeds or will exceed budgetary authorization.

Sec. 4. The City Manager is directed to submit to the City Council, for approval, significant changes to the scope of any project contained in the Capital Improvements Plan as adopted in this Resolution. Determinations regarding what constitutes a significant change in a CIP project shall rest with the City Manager, provided in all circumstances that the provisions of section 3 are enforced. Finally, three City Councilmembers may determine a significant change has occurred or is proposed to occur with respect to any project contained in the CIP, which determination shall bring the matter before the full City Council for approval or authorization.

Sec. 5. Any new capital project meeting the criteria for inclusion in the CIP shall not be authorized without review and amendment to the 2027-2032 Capital Improvement Plan by the City Council.

Sec. 6. Capital Improvements Plan projects identified in the Comprehensive Transportation Plan (CTP) as "Intersection and Roadway Capacity Improvement Projects" are eligible for funding by Transportation Impact Fees authorized under Ordinance No. 1322. Eligible projects shall be funded from Transportation Impact Fees, to the extent such funds are available, in the following priority order:

(1) Payment of debt service on bonds or loans for CTP-identified eligible projects.

(2) Reimbursement of past CIP transportation capital expenditures for CTP-identified eligible projects.

(3) Reimbursement of current CIP transportation capital expenditures for CTP-identified eligible projects.

(4) Use as matching funds required to obtain grants for CTP-identified eligible projects.

Sec. 7. Resolution No. 1490 is hereby superseded.

ADOPTED BY the City Council of the City of Des Moines, Washington this 27th day of August, 2026, and signed in authentication thereof this 27th day of August, 2026.

_____
M A Y O R

APPROVED AS TO FORM:

_____
City Attorney

ATTEST:

_____
City Clerk

Des Moines
WATERLAND CITY

2027-2032 Capital Improvements Plan

8/27/2026

DRAFT

Where the Projects come from:

Projects are added to the CIP based on:

- Asset condition assessments
- Failure/Criticality
- Service/ capacity defincies
- In accordance with approved Master Plans
- In accordance with regulatory obligations
- Alignment with Council goals & City strategic plan
- Staff input

DRAFT

Financial Overview

2027 – 2032 CIP

76 Projects

$220,393,000

DRAFT

Financial Overview

DRAFT

CIP Expenditures

	$166,222,000	Secured Funding
+	$ 49,072,000	Unsecured Grants
+	$ 5,097,000	Unidentified Funding
	$220,393,000	

DRAFT

Expenditure Overview

(In Thousands)

Major Category	2025 & Prior	2026	2027	2028	2029	2030	2031	2032	Total Costs
Building Facility Projects	304	399	1,668	595	1,757	62	65	68	4,918
Marina Capital Improvements	11,233	4,172	73	3,091	122	-	-	31,040	49,731
Municipal Capital Improvements	8,296	15,664	105	8,185	6,564	561	65	893	40,333
Surface Water Management Capital	4,916	3,507	5,322	2,664	14,536	2,790	1,983	946	36,664
Transportation Projects	18,403	12,664	8,351	8,893	11,191	9,792	8,995	7,847	86,136
Grand Total	**43,152**	**36,406**	**15,519**	**23,427**	**34,170**	**13,205**	**11,108**	**40,794**	**217,781**

DRAFT

Projects Overview

Fully Funded Projects	58
Partially Funded Projects	14
Unfunded Projects	4
Total Projects	76

DRAFT

Notable Closing Projects

(In Thousands)

Project Name	Total Budget
Activity Center Roof & Solar	247
Marina Dock Replacement	13,117
Redondo Fishing Pier	5,588
Marina, Beach Park Paid Parking	360
Field House Lighting Upgrades	76
Field House Exterior Painting	74
24th Ave Pipeline Replacement/Upgrade	1,203
DMMD 208th to 212th Pipe Project	1,634
216th Pl./ Marine View Dr. Pipe Upgrade	620
Massey Creek Pocket Estuary and Fish Passage	133
Wooton Park Parcel Acquisition	457
24th Ave S. Improvements Project (Segment 2)	9,988

DRAFT

Capital Project Priorities

TRANSPORTATION		FACILITIES/ PARKS		STORM WATER	
1. North Hill Safe Routes to Schools	Safety purposes State grant funded	1. Midway Park	Council identified goal Community equity	1. 6th/ 287th Street Pipe Replacement	System capacity Infrastructure failure
2. Pedestrian & Traffic Safety Grant Implementation (citywide)	Safety purposes Federal grant funded	2. City Hall kitchen and restroom replacement	Infrastructure failure Modernization	2. 5th/ 212th Street Pipe Project	Consistent with SWM Comp Plan
3. 24th Ave final phase (223rd to 216th)	Capacity driven Completion of a larger project (24th)	3. Beach Park hazardous building removal (Founders and sports shed)	Safety purposes	3. KDM/ 16th Ave S B Pipe Project	System capacity
4. Pavement Preservation Program	Maintenance driven Infrastructure failure	4. IT HVAC upgrades	Asset preservation and maintenance	4. Citywide CMP Replacement Project	Infrastructure failure System capacity
5. ADA Compliance Program	Safety purposes Regulatory mandate	5. Service Center material storage	Operational efficiency Stormwater mandate	5. Des Moines Creek Estuary	Council identified goal Infrastructure failure Environmental and ecological needs

DRAFT

Des Moines
WATERLAND CITY

Prioritization in Future Budgets

Beginning with next year's budget, the City will provide Council with a prioritized list organized by category.

Projects will be prioritized as High, Medium or Low.

Prioritization will be based on:

- Infrastructure need/criticality
- Pre-committed (legally/regulatory reqd)
- Consistency with adopted comprehensive or master plans

Projects will also be evaluated upon:

- Operating cost impact
- Funding leverage/opportunity
- Strategic Plan & Council goal alignment
- Sequencing dependencies

DRAFT

2027 Projects

Major Category	Master Project ID	Project Name	2027 Planned Expenditures (In Thousands)
Building Facility Projects	BDCIP0004	Founders' Lodge	121
Building Facility Projects	BDCIP0012	Service Center Material Storage Improvements	33
Building Facility Projects	BDCIP0017	Citywide Mechanical & HVAC Equipment and Roofing Replacements	53
Building Facility Projects	BDCIP0018	City Fiber Loop Completion	1,390
Building Facility Projects	BDCIP0021	IT Main Office HVAC System	71
Building Facility Projects Total			**1,668**
Marina Capital Improvements	MACIP0003	Dock Electrical Replacements	61
Marina Capital Improvements	MACIP0011	Marina Small Projects	12
Marina Capital Improvements Total			**73**
Municipal Capital Improvements	MCCIP0035	Redondo Esplanade Improvements	26
Municipal Capital Improvements	MCCIP0036	Cliff Ave Connector	26
Municipal Capital Improvements	MCCIP0040	Parks Maintenance (Levy Funded)	53
Municipal Capital Improvements Total			**105**
Surface Water Management Capital	SWCIP0019	Service Center Material Storage Improvments	11
Surface Water Management Capital	SWCIP0020	5th Ave/212th Street Pipe Upgrade	1,494
Surface Water Management Capital	SWCIP0024	Des Moines Creek Estuary Restoration	309
Surface Water Management Capital	SWCIP0029	6th Pl/287th Street Pipe Replacement	1,270
Surface Water Management Capital	SWCIP0032	KDM/16th Ave B Pipe Project	425
Surface Water Management Capital	SWCIP0033	Pipe Repair and Replacement Project Program	457
Surface Water Management Capital	SWCIP0035	MVD Pond Retrofit	1,112
Surface Water Management Capital	SWCIP0036	13th Ave S Bioswale Retrofit	50
Surface Water Management Capital	SWCIP0039	Beach Park Hillside Pipe Replacement	194
Surface Water Management Capital Total			**5,322**
Transportation Projects	TRCIP0001	ADA Compliance Program	62
Transportation Projects	TRCIP0002	Guardrail Program	28
Transportation Projects	TRCIP0003	Street Pavement Preservation	1,106
Transportation Projects	TRCIP0006	S 224th St Improvements	243
Transportation Projects	TRCIP0008	Barnes Creek Trail	213
Transportation Projects	TRCIP0012	Arterial Traffic Calming	280
Transportation Projects	TRCIP0021	North Hill Elementary Walkway Improvements	4,121
Transportation Projects	TRCIP0026	S 223rd Strt Complete Street Impr	637
Transportation Projects	TRCIP0027	24th Ave S Improvements - Segment 1	943
Transportation Projects	TRCIP0028	Safe Streets for All	718
Transportation Projects Total			**8,351**
Grand Total			**15,519**

DRAFT

Motion

"I move to adopt Draft Resolution No. 26 - 098 approving the City of Des Moines 2027 – 2032 Capital Improvements Plan."

DRAFT

DRAFT

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **Development Agreement Ordinance - 1st Reading**

ATTACHMENTS:
1. Draft Ordinance No. 26-030
2. Development Agreement Ordinance PowerPoint

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Community Development

DATE SUBMITTED:
July 16, 2026

CLEARANCES:
Community Development

Purpose and Recommendation

The purpose of this agenda item is for City Council to consider the proposed Development Agreement Draft Ordinance No. 26-030.

Motion: "I move to pass Draft Ordinance 26-030 to a second reading on the next available regular Council meeting agenda."

Strategic Plan Priority

Economic Vitality - Create an atmosphere where Des Moines is recognized as a great place for business investment.

Background

Staff is proposing an Ordinance to regulate Development Agreements. The Local Project Review Act RCW chapter 36.70B provides specific authority for development agreements, along with WAC 365-196-845. A development agreement is a voluntary contract between a local jurisdiction and person who owns or controls property within the jurisdiction, detailing the obligations of both parties and specifying the standards and conditions that will govern development of the property.

The Planning Commission reviewed the drafted Ordinance and held a public hearing on July 7, 2026. The Planning Commission recommended approval of the draft ordinance with minor modifications as shown as redlines on the attached ordinance.

Discussion

City staff are proposing a Draft Ordinance which includes a new chapter to DMMC Title 18 entitled “Development Agreements” to create regulations and process for all development agreement applications and their review and approval. With the proposed ordinance, all development agreements shall include (as applicable):

- Project components which define and detail the permitted uses, residential densities (minimum and maximum), nonresidential densities and intensities or building sizes
- Design standards such as architectural treatment, maximum heights, setbacks, landscaping, drainage and water quality requirements, road standards, and other development features
- Parking
- Provisions for affordable housing, if applicable
- Parks and common open space preservation
- Amount and payment of impact fees imposed or agreed to in accordance with any applicable provisions of state law, any reimbursement provisions, other financial contributions by the property owner, inspection fees or dedications
- Mitigation measures, development conditions and other requirements of Chapter 43.21C RCW
- Phasing
- Build-out or vesting periods for applicable standards
- Other appropriate development requirements or procedures which are based upon a City policy, rule, regulation or standard
- A preliminary site plan for the entire project, showing locations of critical areas and buffers, required open spaces, perimeter buffers, location and range of densities for residential development, and location and size of nonresidential development
- Conceptual plans for open space, recreation, parking, landscaping, lighting and building design

Additionally, the proposed Ordinance clarifies that a development agreement cannot authorize a deviation from:

- Building Codes
- Environmental Requirements/SEPA
- Surface Water Requirements

The proposed Ordinance requires development agreements to have a public hearing and recommendation from the Planning Commission with approval by the Council. The Public Hearing requires notice to all property owners within 300 feet of the subject property.

The Ordinance establishes a standard process for development agreements, making clear to applicants what to expect both from the process itself and with respect to what must be included in a development agreement. The Ordinance also clarifies the

limitations that apply to development agreements. Each agreement would remain specific to the individual project and site, and Council would retain authority over the terms of the agreement within the parameters established by this Ordinance. For example, based on the type, size, location, and phasing of a project, Council could require a development agreement with a ten-year term, with or without extensions, but could not approve a twenty-five-year term, because the proposed Ordinance sets a limit of twenty years.

Alternatives

1. Approve proposed ordinance as provided
2. Approve proposed ordinance with amendments
3. Do not approve the proposed ordinance

Financial Impact

Unknown

Recommendation

Planning Commissions recommends approval of the draft ordinance as provided herein.

CITY COUNCIL'S FIRST DRAFT 7/7/2026

DRAFT ORDINANCE NO. 26-030

AN ORDINANCE OF THE CITY OF DES MOINES, WASHINGTON relating to land use and adding a new chapter to Title 18 DMMC entitled "Development Agreements".

WHEREAS, a development agreement is binding upon the parties and their successors and provides assurances to the developer that regulation will not change during the term of the agreement, and

WHEREAS, the Local Project Review Act RCW chapter 36.70B provides specific authority for development agreements, along with WAC 365-196-845, and

WHEREAS, On May 21, 2026, the City submitted the proposed amendment to the Washington State Department of Commerce for its expedited 30-day review and received documentation of completion of the procedural requirement (Submittal ID 2026-S-12852), and

WHEREAS, the SEPA responsible official for the City of Des Moines has determined that the proposed ordinance is categorically exempt in accordance with the requirements of the State Environmental Policy Act (SEPA)under WAC 197-11-800(6) Land Use Decisions, and

WHEREAS, the Des Moines Planning Commission held a duly noticed public hearing on July 7, 2026, and

WHEREAS, based on the careful consideration of the facts and law, the City Council finds that the proposed amendments attached and incorporated herein should be approved as presented; now therefore,

THE CITY COUNCIL OF THE CITY OF DES MOINES ORDAINS AS FOLLOWS:

Sec. 1. Title.

This chapter shall be entitled "Development Agreements."

Sec. 2. Application.

This chapter shall be applicable to all zones in the City and all zoning actions, as specified in this Title.

Sec. 3. Purpose.

(1) The purpose of this development agreement chapter is to implement RCW 36.70B.170 which authorizes the City to enter into "development agreements" with persons having ownership or control of real property. In adopting such statute, the City Council concurs with the Washington State legislative findings.

(2) Additionally, the City Council finds that development agreements may be appropriate in certain circumstances as a means to consolidate numerous issues involved in complex development projects into a single controlling instrument, benefiting the City, its citizens, and members of the regulated public; and

(3) The City Council finds that the use of development agreements may further the objective of the comprehensive plan and development regulations adopted pursuant to the comprehensive plan.

Sec. 4. Authority.

This chapter is adopted pursuant to RCW 36.70B.170 through 36.70B.210 and other applicable laws.

Sec. 5. Application.

A person, firm, or corporation desiring a development agreement shall make application to the Director on forms approved by the City.

Sec. 6. General provisions.

(1) A development agreement shall be consistent with the applicable policies and goals of the City's comprehensive plan.

(2) A departure requested by the owner from the development standards of this code through a development agreement should be offset by the owner's provision of a benefit to the City of equal or greater value relative to the departure requested, as determined by the City. Equivalent value need not be measured monetarily and the proposed benefit need not be of the same type as the existing development standard requirement. For example, the benefit of a public open space dedication may be considered against the benefit

of a required street improvement. Future economic value to the City may be considered as a benefit.

(3) As applicable, the development agreement must specify the following:

(a) Project components which define and detail the permitted uses, residential densities (minimum and maximum), nonresidential densities and intensities or building sizes;

(b) Design standards such as architectural character/treatment, maximum heights, setbacks, landscaping, drainage and water quality requirements, road standards, and other development features;

(c) Parking;

(d) Provisions for affordable housing, if applicable;

(e) Parks and common open space preservation;

(f) Amount and payment of impact fees imposed or agreed to in accordance with any applicable provisions of state law, any reimbursement provisions, other financial contributions by the property owner, inspection fees or dedications;

(g) Mitigation measures, development conditions and other requirements of Chapter 43.21C RCW;

(h) Phasing;

(i) Build-out or vesting periods for applicable standards; and

(j) Other appropriate development requirements or procedures which are based upon a City policy, rule, regulation or standard.

(4) The development agreement shall also include the following:

(a) A preliminary site plan for the entire project, showing locations of critical areas and buffers, required

open spaces, perimeter buffers, property lines, easements, location and range of densities for residential development, and location and size of nonresidential development.

(b) Conceptual plans for open space, recreation, parking, landscaping, lighting and building design.

(5) A development agreement may obligate a party to dedicate land or easements, off-site improvements, or fund or provide services, infrastructure or other facilities.

(6) Subsequently adopted development standards which differ from those of an approved development agreement shall apply to the property subject to the development agreement only where necessary to address a serious threat to public health and safety. Subsequently adopted development standards which differ from those of an approved development agreement also shall apply following expiration of any phase or time period specified in the development agreement during which identified standards cannot be modified.

Sec. 7. Development standards, flexibility.

(1) A development agreement shall be consistent with applicable development regulations to the fullest extent possible; provided, a development agreement may allow development standards different from those otherwise imposed under the Des Moines Municipal Code in order to provide flexibility to achieve public benefits, respond to changing community needs, or encourage modifications that provide the functional equivalent or adequately achieve the purposes of otherwise applicable city standards. Any development standards approved pursuant to a development agreement that differ from those in this code shall not require any further zoning reclassification, variance from City standards or other City approval apart from development agreement approval. The development standards as approved through a development agreement shall apply to and govern the development and implementation of each covered site in lieu of any conflicting or different standards or requirements elsewhere in the Des Moines Municipal Code. Subsequently adopted standards that differ from those of a development agreement adopted by the City as provided in this chapter shall apply to the covered development project only where necessary to address imminent public health and safety hazards or where the development agreement specifies a time period or phase

after which certain identified standards can be modified. Determination of the appropriate standards for future phases which are not fully defined during the initial approval process may be postponed.

(2) A development agreement cannot authorize deviations from the following development standards:

(a) DMMC Title 14 - Buildings and Construction;

(b) Chapter 16.05 DMMC - SEPA, Chapter 16.10 DMMC – Environmentally Critical Areas, Chapter 16.15 DMMC – Flood Hazard Areas, and Chapter 16.20 DMMC – Shoreline Master Program;

(c) Chapter 11.08.060 DMMC – Surface water manuals

Sec. 8. Review process and fees.

(1) A duly noticed public hearing pursuant to RCW 36.70B.200 and recommendation on the development agreement shall be made to the City Council by the Planning Commission. The development agreement shall be subject to review and approval by the City Council based on the record of the Planning Commission hearing. The decision of the City Council to approve or reject a request for a development agreement shall be a discretionary, legislative act.

(2) The Department shall cause written public notice of the public hearing to be mailed to all owners of record of property located within 300 feet of the property that is the subject of the application.

(3) Fees for a development agreement review shall be as established by City schedule and collected at the time of the development agreement application.

Sec. 9. Exercise of City police power and contract authority.

As provided in RCW 36.70B.170(4), the execution of a development agreement is a proper exercise of the City's police

power and contract authority. Accordingly, a development agreement may obligate a party to fund or provide services, infrastructure, or other facilities. A development agreement shall reserve authority to impose new or different regulations to the extent required by a serious threat to public health and safety.

Sec. 10. Form.

Development agreements shall be consistent with RCW 36.70B.170 through 36.70B.210. All development agreements shall be in form and content as approved by the City Attorney.

Sec. 11. Enforceability.

The development agreement shall be binding on the parties and their successors. Unless amended or terminated by agreement of both parties to a development agreement, the agreement is enforceable during its term by a party to the agreement. Except as provided in section 6.F. of this ordinance, a development agreement and the development standards in the agreement govern during the term of the agreement, or for all or that part of the build-out period specified in the agreement. The development agreement shall not be subject to an amendment to a development regulation or a new development regulation adopted after the effective date of the agreement, except as provided in section 6.F. of this ordinance. Applications for building permits and other permits subject to DMMC Title 14, Buildings and Construction, shall be considered under the provisions of DMMC Title 14 that are in effect at the time of submittal of a valid and fully complete application. Any land use decision issued by the City pertaining to the property subject to the development agreement after the execution of the development agreement must be consistent with the agreement.

Sec. 12. Status, recording and amendment of development agreement.

(1) Development agreements are not "project permit applications" as defined in RCW 36.70B.020(4). Therefore, there is no deadline for processing a development agreement.

(2) The owner shall sign the development agreement before the public hearing on the development agreement. If a person or corporation has a "substantial beneficial interest in the

property" as specifically described below, the owner shall submit to the City Manager with the request for development agreement a document stating that such person or corporation concurs in the request and will not object to, contest or appeal any terms and conditions of the approved development agreement. A person or corporation having a "substantial beneficial interest in the property" shall include easement holders, lessees with a lease of one year or more, and persons or corporations with a recorded deed of trust or mortgage on the real property subject to the development agreement. The City Manager shall have the authority to determine whether other persons or corporations with an interest in the real property subject to the development agreement have a "substantial beneficial interest in the property." Within 20 calendar days of receiving written notice that the City Manager has determined that other persons or corporations have a "substantial beneficial interest in the property," the owner shall submit to the City Manager the document described above for each such person or corporation.

(3) The term of development agreements and extensions thereof shall be as follows:

(a) Development agreements may be approved for a maximum period of 20 years.

(b) In determining the appropriate term for a development agreement, the City Council should consider the type, size and location of development and phasing if proposed. The City Council may consider shorter terms with extensions.

(c) If extensions are authorized in a development agreement, the owner must request the extension at least 90 calendar days prior to expiration of the term or any extension. For development agreements associated with land use decisions, the City Manager may grant an extension for up to five years if the owner can satisfactorily show that, for a residential project, at least 50 percent of the residential units are constructed, or for nonresidential and mixed use projects, at least 50 percent of the gross floor area is constructed. All other requests for extensions shall be reviewed by the City Council, unless another process is expressly provided for in the development agreement.

(4) Following approval of a development agreement by the City Council, and execution of the same, the development agreement shall be recorded against the real property records with the King County recorder, at the applicant's expense and a copy provided to the City.

(5) Modifications of development agreements.

(a) The director may approve minor modifications to an existing development agreement. Minor modifications shall not:

(ii) reduce landscaping, buffering, or open space areas;

(iii) reduce setback requirements;

(iv) result in an increase in height of any structure;

(v) result in a change in ingress or egress;

(vi) increase any adverse impacts or undesirable effects;

(vii) significantly alter the project.

(b) All other modifications shall follow the same procedural requirements of the development agreement unless another process is expressly provided for in the development agreement. If approving or modifying the development agreement, the City Council shall authorize the City Manager to execute the amendment on behalf of the City.

Sec. 13. Codification. Sections 1 through 10 of this ordinance shall be codified as a new chapter in Title 18 DMMC entitled "Development Agreements."

Sec. 14. Severability - Construction.

(1) If a section, subsection, paragraph, sentence, clause, or phrase of this ordinance is declared unconstitutional or invalid

for any reason by any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance.

(2) If the provisions of this ordinance are found to be inconsistent with other provisions of the Des Moines Municipal Code, this ordinance is deemed to control.

Sec. 15. Effective date. This ordinance shall take effect and be in full force thirty (30) days after its passage and approval in accordance with law.

PASSED BY the City Council of the City of Des Moines this ____ day of _____, 2026 and signed in authentication thereof this ___ day of _____, 2026.

_____

_____
M A Y O R

APPROVED AS TO FORM:

_____
City Attorney

ATTEST:

_____
City Clerk

Published: _____

Effective Date: _____

Des Moines
WATERLAND CITY

Development Agreement Ordinance

REBECCA DEMING, COMMUNITY DEVELOPMENT DIRECTOR
City Council 8/13/2026

DRAFT

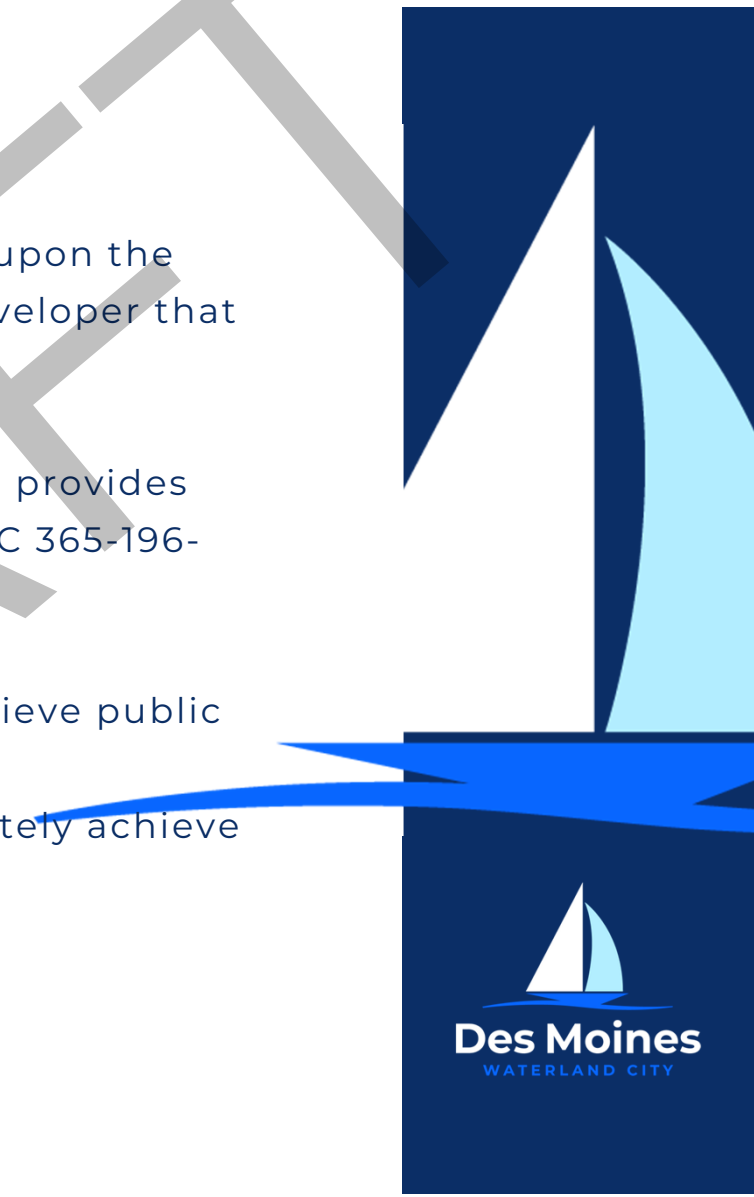
Development Agreements

Binding Agreement- A development agreement is binding upon the parties and their successors and provides assurances to the developer that regulation will not change during the term of the agreement.

Authority - The Local Project Review Act RCW chapter 36.70B provides specific authority for development agreements, along with WAC 365-196-845.

Benefits - Provide flexibility of development standards to achieve public benefits, respond to changing community needs, or encourage modifications that provide the functional equivalent or adequately achieve the purposes of otherwise applicable city standards.

DRAFT



Draft Ordinance: General Provisions

Development Agreement must specific the following (as applicable):

- Project components which define and detail the permitted uses, densities or building sizes.
- Design standards
- Parking
- Provisions for affordable housing, if applicable
- Parks and common open space preservation
- Amount and payment of impact fees
- Phasing
- Preliminary site plan
- Conceptual plans for open space, recreation, parking, landscaping, lighting and building design

DRAFT

Draft Ordinance: General Provisions

Other Provisions:

- A departure requested by the owner from the development standards of this code through a development agreement should be offset by the owner's provision of a benefit to the City of equal or greater value relative to the departure requested, as determined by the City
- Maximum term of 20 years
- Modifications:
  - Minor modification (Administrative)
    - Excludes:
      - Landscaping, buffering, or open space area reduction
      - Setback reduction
      - Height increase
      - Change in ingress or egress
      - Increase any adverse impacts
  - Other modifications (Council approval)

DRAFT

Draft Ordinance: Flexibility

Cannot authorize deviations from

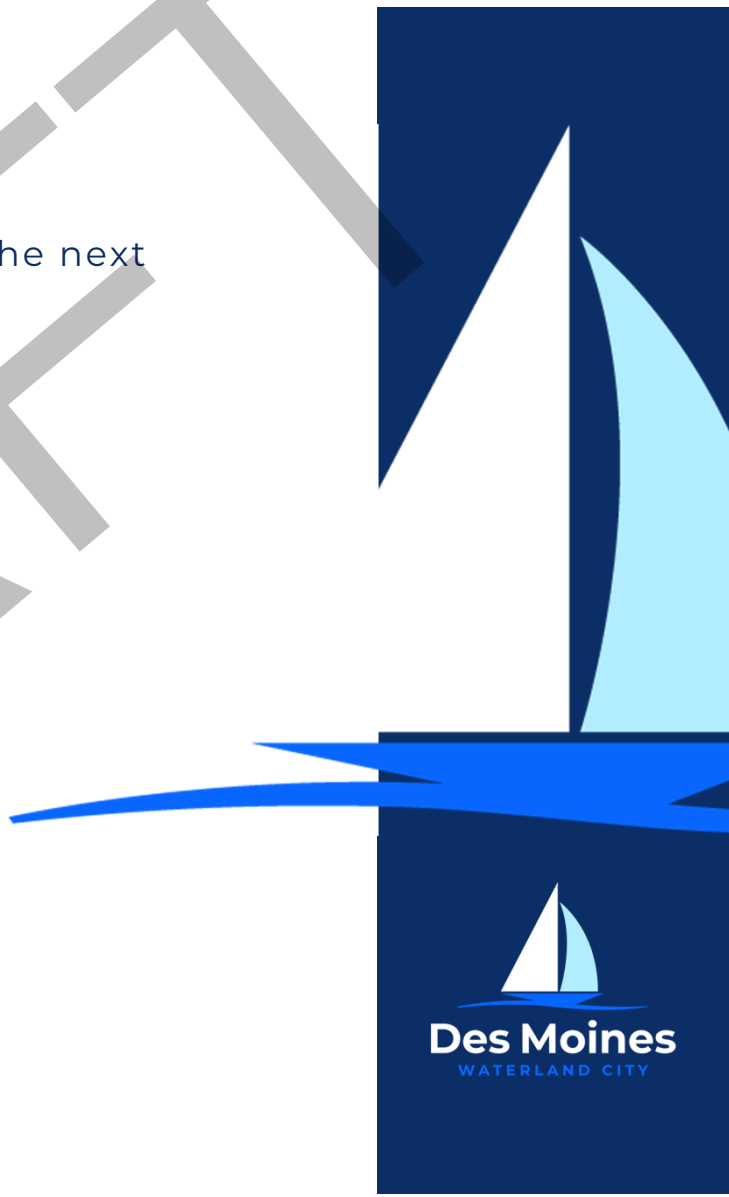
- Building Code: DMMC Title 14 - Buildings and Construction;
- Environmental requirements: Chapter 16.05 DMMC - SEPA, Chapter 16.10 DMMC – Environmentally Critical Areas, Chapter 16.15 DMMC – Flood Hazard Areas, and Chapter 16.20 DMMC – Shoreline Master Program;
- Surface Water: Chapter 11.08.060 DMMC – Surface water manuals;

DRAFT

Suggested Motion

"I move to pass Draft Ordinance 26-030 to a second reading on the next available regular Council meeting agenda."

DRAFT



DRAFT

City Council
AGENDA ITEM

BUSINESS OF THE CITY COUNCIL
City of Des Moines, WA

SUBJECT: **New Agenda Items for Consideration** - 10 Minutes

ATTACHMENTS:
None

FOR AGENDA OF:
August 27, 2026

DEPT OF ORIGIN:
Administration

DATE SUBMITTED:

CLEARANCES:

Purpose and Recommendation

Strategic Plan Priority

Background

Discussion

Alternatives

Financial Impact

Recommendation