

Minutes of Meeting

Environmental Committee Meeting
April 24, 1997
6:45 p.m.

Attendance:

Bruce Roberts, Council Member, Chairperson
Scott Thomasson, Mayor
Robert Scheckler, Council Member
Bob Olander, City Manager
Tim Heydon, Public Works Director
Tony Piasecki, Assistant City Manager

- Topic:**
1. Draft Engineering Report for the Barnes Creek Regional Detention Facility
 2. Draft Des Moines Creek Basin Plan

The meeting began with a discussion of the remaining questions regarding the Draft Engineering Report for the Barnes Creek Regional Detention Facility.

Briefing Highlights:

Two action items were requested of staff:

1. The first item was to review the detention facility outlet drainage to determine if it is feasible to relocate the stream away from or around the property immediately downstream of the facility. One concept was to route the discharge to the west side of the property and then east again to Barnes Creek (see attached sketch). This would entail construction of 700 feet of 36 inch pipe, three manholes, lowering the box culvert below S. 223rd Street by two feet, and a substantial amount of stream transition modification south of S 223rd Street. There could also be a problem with the Dept. of Fisheries because we would be eliminating approximately 130 feet of the stream.

The outlet drainage may be routed around the east side of the property thereby reducing some of the pipe length and slope issues, but this option may be less desirable because it creates another access road to the facility.

Our initial investigation reveals that this is probably not feasible--moving an existing stream would be expensive and very difficult to permit since it would be eliminating potential stream habitat. Staff recommends that this issue not be pursued further.

2. The second action item was to study expandable area to the north for current available detention and determine the cost for constructing the expansion with the rest of the facility. It was determined that the north expansion area could provide as much

as 1.37 acre-feet of additional storage (in addition to the 5.0 acre-feet of the main facility). However, the hydraulic modeling results showed that, without costly conveyance alterations, the area served by the north basin would not be able to collect enough runoff at this time to make it worthwhile. As future development and projects take place in the area, the additional detention will be useful.

A preliminary cost estimate prepared by the consultant showed that the expansion would add 40% to the cost of the main facility.

Staff recommends that the expansion area be retained as a detention site to be constructed at a time when future development within the basin changes the flow patterns.

The committee agreed with both of these recommendations.

The Final Engineering Report for the Barnes Creek Regional Detention Facility will be brought to the full council at the same time as approval is being requested for the engineering design contract.

The remainder of the committee meeting was spent briefly discussing the Draft Des Moines Creek Basin Plan. Three questions came up which will require further clarification at the next committee meeting:

1. More detailed information needs to be provided to the committee on how well the recommended detention/bypass system will work. There was some confusion as to how much improvement could be expected in the health of the stream due to the lower flows.
2. There were questions regarding the need for additional detention requirements on new development within the basin.
3. There was a question as to why the airport Industrial Waste System (IWS) was not included in more detail in the Basin Plan. A sub-topic along this same line was how the IWS line was permitted down the Des Moines Creek alignment since there was no known easement granted to the Port of Seattle.

These questions, along with any others the committee members may have, will be answered at the next Environmental Committee Meeting.