



DEVELOPMENT SERVICES
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 11-103595-LO

Project Name/Address: COB – SE 48th PI. Outfall Repair
SE 48th PI and Coal Creek Parkway

Planner: Reilly Pittman

Phone Number: 425-452-4350

Minimum Comment Period: February 24, 2011

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

City of Bellevue Submittal Requirements

27a

ENVIRONMENTAL CHECKLIST

1/26/2011

If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call Development Services (425-452-6800) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

BACKGROUND INFORMATION

Property Owner: City of Bellevue

Proponent: Public Utilities

Contact Person: Bruce Jensen, P.E.

(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: 450 110th Ave. NE., P.O Box 90012, Bellevue, WA 98009-9012

Phone: 425.452.7240

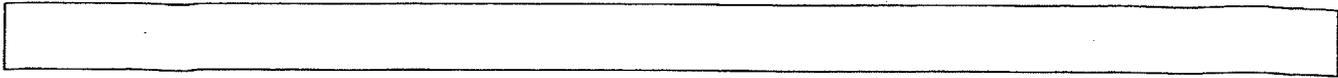
Proposal Title: Coal Creek Parkway – Se 48th Pl. Outfall Repair Project

Proposal Location: 5000 Coal Creek Parkway SE, 1,150 feet northwest of intersection with Forest Drive. (Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: The Coal Creek Parkway - SE 48th Place Outfall Repair Project consists of improvements to the existing heavily eroded hillside, as well as to the existing 24-inch diameter CMP that crosses under Coal Creek Parkway SE. The proposed improvements to the 24 inch CMP consists of slip-lining with a new 22 inch outside diameter (OD) HDPE pipe, back filling and compacting the void with new imported gravel borrow and extending the HDPE pipe to the toe of the slope and terminating at a bubble up structure to the existing open channel conveyance.
2. Acreage of site: 0.11Ac
3. Number of dwelling units/buildings to be demolished: NA
4. Number of dwelling units/buildings to be constructed: NA
5. Square footage of buildings to be demolished: NA
6. Square footage of buildings to be constructed: NA
7. Quantity of earth movement (in cubic yards): 400 cubic yards
8. Proposed land use: NA
9. Design features, including building height, number of stories and proposed exterior materials: Storm water repair project. No buildings are proposed.
10. Other



Estimated date of completion of the proposal or timing of phasing: Estimated construction completion May 2011.

Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. No plans for future additions/expansions.

List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. A planting restoration plan has been prepared for the site in accordance with the City of Bellevue Critical Areas Handbook.

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.
None.

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.
City of Bellevue Clearing and Grading permit.

Please provide one or more of the following exhibits, if applicable to your proposal.
(Please check appropriate box(es) for exhibits submitted with your proposal):

- Land Use Reclassification (rezone) Map of existing and proposed zoning
- Preliminary Plat or Planned Unit Development
Preliminary plat map
- ◆ Clearing & Grading Permit
Plan of existing and proposed grading
Development plans
- Building Permit (or Design Review)
Site plan
Clearing & grading plan
- Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site: Flat Rolling Hilly ◆ Steep slopes Mountains Other
- b. What is the steepest slope on the site (approximate percent slope)?

Vertical cuts due to erosion in the area to be filled. Outside of the erosion, the steepest slope is 67%

- c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Soils on-site identified by USDA soil survey as AkF - Alderwood and Kitsap soils of silty loam typically found on steep slopes of at least 40 percent, RP

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
No signs of unstable soils with respect to landslides and sloughing. There is severe erosion at the outfall of the existing culvert.

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Fill will be placed and compacted on the hillside to restore the roadway embankment to its original grade.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The proposed project is designed to repair and eliminate the erosion located at the outfall of the existing pipe.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

No additional impervious surfacing is proposed as part of this project.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Geocoir Dewoke 700 material will be used in addition to native plantings to stabilize the exposed soils after construction.

2. AIR

- a. What types of emissions to the air would result from the proposal (i.e. dust, automobile odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Automobile and construction equipment exhaust as well as dust will result only during the construction of the project. The project will not increase the number of vehicle trips on Coal Creek Parkway.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
None.

- c. Proposed measures to reduce or control emissions or other impacts to the air, if any:

The contractor may use water to control dust during the backfilling activities.

3. WATER

a. Surface

- (1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Coal Creek a type F stream is located 30 feet westerly from the edge of the project site.

- (2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If Yes, please describe and attach available plans.

Yes, all work described above will be within 200 feet of Coal Creek.

- (3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

Approximately 400 cubic yards of import fill will be placed in the eroded area.

- (4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

Temporary diversions around the construction area are anticipated. Work will be scheduled during the summer months to reduce the amount of bypass required.

- (5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

The proposed work is outside of the 100-year floodplain.

- (6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

None anticipated.

b. Ground

- (1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

No.

- (2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None.

c. Water Runoff (Including storm water)

(1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

There will be no additional runoff from the project. Stormwater runoffs from off site will be bypassed around the work area during construction. The existing discharge locations will be maintained during and after construction.

(2) Could waste materials enter ground or surface waters? If so, generally describe.
Potential for spills from construction equipment to enter the ground or surface water including oil, hydraulic oil, and fuel.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:
Contractor is responsible for developing and maintaining a construction stormwater pollution prevention plan to reduce and eliminate any potential discharge of waste during construction.

4. Plants

a. Check or circle types of vegetation found on the site:

◆ deciduous tree: alder, maple, aspen, other

◆ evergreen tree: fir, cedar, pine, other

◆ shrubs

◆ grass

pasture

crop or grain

wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other

water plants: water lily, eelgrass, milfoil, other

other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Four trees are scheduled to be removed from the embankment in order to safely perform the work and will be left on site for habitat features. Construction access, a track hoe limited to one trip in to the toe of the slope to deliver and set a type 2 catch basin structure, will temporarily alter the grass vegetation.

c. List threatened or endangered species known to be on or near the site.
Salmon in Coal Creek.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The proposal includes a planting restoration plan to re-establish native plants selected from the City of Bellevue critical Areas Handbook in the disturbed area.

5. ANIMALS

a. Check or circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

() Birds: hawk, heron, eagle, songbirds, other:

() Mammals: deer, bear, elk, beaver, other:

() Fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.
Salmon in Coal Creek.

c. Is the site part of a migration route? If so, explain.
Unknown.

d. Proposed measures to preserve or enhance wildlife, if any:
Stabilize the road embankment and reduce erosion and sediment load entering Coal Creek.

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy need? Describe whether it will be used for heating, manufacturing, etc.

NA

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

NA

c. What kinds of energy conservation features are included in the plans of the proposal? List other proposed measures to reduce or control energy impacts, if any:

NA

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.
There is a potential for a spill of oil, fuel or hydraulic oil from the contractors equipment and vehicles during construction activities.

(1) Describe special emergency services that might be required.
None.

(2) Proposed measures to reduce or control environmental health hazards, if any.
The contractor is required to develop and maintain a construction stormwater pollution and spill countermeasure plan during construction of the proposal.

b. Noise

(1) What types of noise exist in the area which may affect your project (for example, traffic, equipment, operation, other)?
Traffic noise from Coal Creek Parkway.

(2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Short term noise from construction equipment and vehicles is anticipated during the work hours of 7 am to 7 pm. No long term change to the traffic noise will occur due to this proposal.

Noise per BCC 9.18, RP

(3) Proposed measures to reduce or control noise impacts, if any:
Construction equipment and vehicles are required to use mufflers to reduce the noise levels.

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?
Native growth open space and public right-of-way.

b. Has the site been used for agriculture? If so, describe.
No.

c. Describe any structures on the site.
None.

d. Will any structures be demolished? If so, what?
No.

e. What is the current zoning classification of the site?
Parks Open Space

R-1 zoning, RP

f. What is the current comprehensive plan designation of the site?
Parks Open Space

g. If applicable, what is the current shoreline master program designation of the site?

NA

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Project site is within the Coal Creek sensitive area buffer.

Includes steep slope critical areas. RP

i. Approximately how many people would reside or work in the completed project?

NA

j. Approximately how many people would the completed project displace?

NA

k. Proposed measures to avoid or reduce displacement impacts, if any:

NA

i. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

NA

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

NA

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

NA

c. Proposed measures to reduce or control housing impacts, if any:

NA

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

NA

b. What views in the immediate vicinity would be altered or obstructed?

NA

c. Proposed measures to reduce or control aesthetic impacts, if any:

NA

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
NA
- b. Could light or glare from the finished project be a safety hazard or interfere with views?
NA
- c. What existing off-site sources of light or glare may affect your proposal?
NA
- d. Proposed measures to reduce or control light or glare impacts, if any:
NA

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
Parks Open Space.
- b. Would the proposed project displace any existing recreational uses? If so, describe.
NA
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
NA

13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.
None known.
- b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site.
None known.
- c. Proposed measures to reduce or control impacts, if any:
None.

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.
Site is located adjacent to Coal Creek Parkway SE. No public access is available nor proposed for the site.
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?
Public transit operates on Coal Creek Parkway.
- c. How many parking spaces would be completed project have? How many would the project eliminate?

None.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

No additional vehicle trips will occur due to the completed project.

g. Proposed measures to reduce or control transportation impacts, if any:

None.

15. Public Services

a. Would the project result in an increased need for the public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

NA

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

NA

Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature

Mark Cross

Date Submitted

Jan 28, 2011

Coal Creek Parkway - SE 48th Place Outfall Repair Project City of Bellevue Critical Area Land Use Permit Narrative

The City of Bellevue Utilities Department is applying for permits for The Coal Creek Parkway - SE 48th Place Outfall Repair Project. The project is located on Coal Creek Parkway approximately 1,150 feet northwest of the intersection with Forest Drive SE (approximately 5000 Coal Creek parkway SE).

The Coal Creek Parkway - SE 48th Place Outfall Repair Project consists of improvements to the existing heavily eroded hillside, as well as to the existing 24-inch diameter CMP that crosses under Coal Creek Parkway SE. The proposed improvements to the 24 inch CMP consists of slip-lining with a new 22 inch outside diameter (OD) HDPE pipe, backfilling and compacting the void with new imported gravel borrow and extending the HDPE pipe to the toe of the slope and terminating at a bubble up structure to the existing open channel conveyance.

Coal Creek Parkway SE is a four-lane north-south arterial with curb and gutter on both sides of the street, a 5 foot wide sidewalk along the east edge of roadway, and a dedicated bike lane adjacent to the southbound lanes. The existing 24 inch CMP conveys stormwater runoffs from the 36 acre upstream basin, ultimately discharging to Coal Creek roughly 100 feet westerly of the Parkway. During construction one southbound lane will be closed for construction access to the site.

The project is subject to SEPA and a checklist is being prepared for submittal to the City for review and processing. The proposed improvements will eliminate the erosion of the roadway embankment due to the point discharge onto the embankment from the 24-inch CMP. The drainage outfall is not a fish bearing stream as the grades across Coal Creek Parkway are impassable by fish. Coal Creek is a type F fish bearing stream with 100 foot buffers from the top of bank. The proposed work is within this 100 foot buffer of Coal Creek thus is subject to City of Bellevue Land Use Code Sections 20.25H.055C.2, 20.25H.080.A and 20.25H.080.B. No work will occur within 30 feet of Coal Creek.

New and expanded facilities are allowed only when no other technically feasible alternative with less impact on the critical area exists. The existing infrastructure is a 24-inch culvert beneath Coal Creek Parkway. The outfall location on the roadway embankment has caused severe erosion to occur. The proposed expansion of the storm drainage infrastructure is to extend the new HDPE pipe to the bottom of the road embankment and discharge the stormwater into an energy dissipater (bubble up structure). This extension of the storm drain pipe is required to allow restoration of the eroded embankment and protect the embankment from future erosion and potential undercutting of the roadway. The 24-inch CMP storm drainage pipe is located at the bottom of a 36 acre drainage basin. The culvert beneath Coal Creek is not able to be relocated to another location due local topography. The existing erosion needs to be backfilled and stabilized regardless of the location of the outfall, thus the added effort to install the extension of the pipe to the bottom of the slope will not significantly increase the disturbance to the sensitive area buffer.

As explained above there is no technically feasible alternative with less impact on the critical area. Therefore the design shall comply with City Land Use Code 20.25H.055.C.2.b. The location of the design is established at the existing outfall and eroded embankment, with no other practical location to collect and safely convey the water across the roadway. The disturbance to the critical area is

limited to only the grading necessary to fill the void created in the embankment and install the energy dissipater at the toe of the embankment. Construction access will be from the Coal Creek Parkway right-of-way where the imported backfill material will be delivered and placed in the void from above via the right-of-way with the exception of the delivery and placement of the energy dissipater. To place the energy dissipater a track hoe will carry the type II catch basin from the existing Seattle Public Utility (SPU) right-of-way to the site. The SPU right-of-way is improved with a gravel road for access to their existing water main that crosses Coal Creek. The track hoe will make one trip to the project site to deliver and install the energy dissipater then will walk out on the same path. The access from the SPU gravel road is approximately 190 feet to the project site and is level with an established grassy vegetative cover. The disturbance of the track hoe making one trip in and out is expected to be very minimal. Any disturbance that exposes soils due to the access of the track hoe will be protected with hog fuel mulch. The remainder of the project area will be restored by filling the eroded void with approximately 400 cubic yards of gravel borrow and installing the HDPE pipe. The pipe will be covered with 12 inches of gravel borrow. Geocoir Dekowe 700 will be placed on the surface of the gravel borrow to stabilize the exposed soil and then restored with native plantings selected from the City of Bellevue Critical Areas Handbook.

The proposed project does not entail a utility crossing of the stream. All work will be consistent with City of Bellevue standards and will be reviewed and approved for construction by City representatives. The facility will not have an adverse affect on stream flows and volumes, the improvements will simply safely convey the stormwater runoffs down the roadway embankment and discharge them to the existing open channel prior to entering Coal Creek. A planting restoration plan has been prepared for the site using the City of Bellevue Critical Areas Handbook.

In summary, the proposed project is being installed to rectify an existing erosion issue. The proposed improvements do not include new development activity or new impervious surfacing and will not increase the accessibility to the stream therefore the performance standards set forth in City of Bellevue Land Use Code Section 20.25H.080 apply to type S or F streams or associated critical area buffer are not applicable to the project.

CITY OF BELLEVUE UTILITIES

COAL CREEK PARKWAY - SE 48TH PL OUTFALL REPAIR 2010 C.I.P. NEED

BID NO. NEED

INDEX TO DRAWINGS:

- SHEET 1 COVER SHEET & DRAWING INDEX
- SHEET 2 EXISTING CONDITION
- SHEET 3 SITE PLAN
- SHEET 4 PROFILE
- SHEET 5 SECTION AND DETAILS
- SHEET 6 TESC BMP'S STANDARD DETAILS

MAJOR:

DON DAVIDSON

DEPUTY MAYOR:

CONRAD LEE

CITY MANAGER:

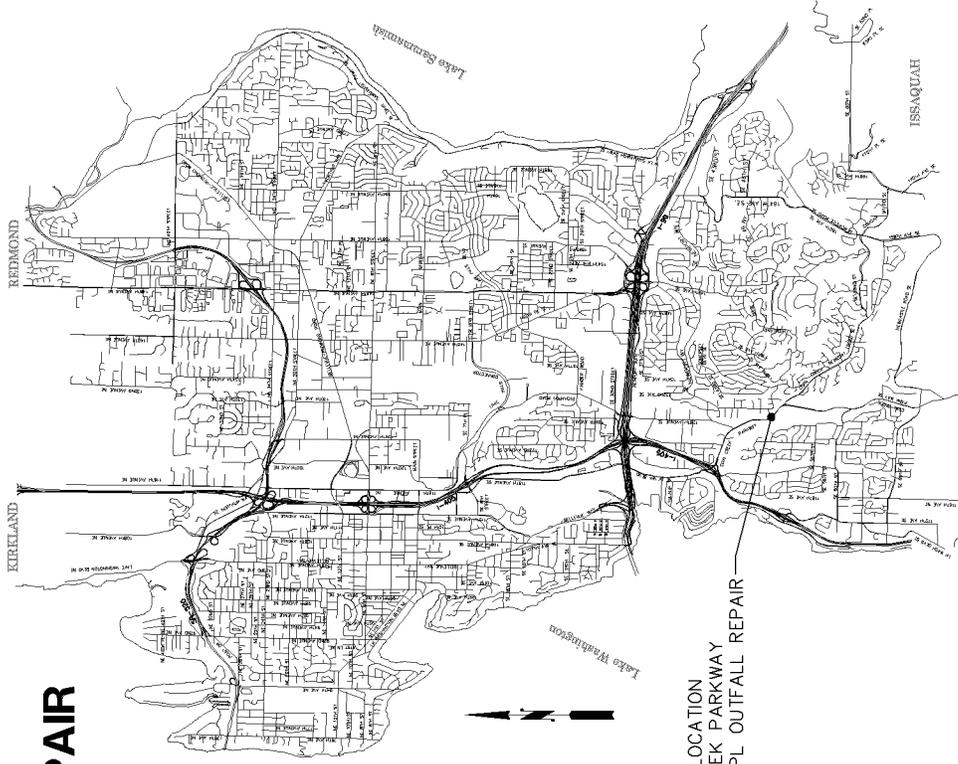
STEVE SARKOZY

DIRECTOR OF UTILITIES:

DENNIS VIDMAR

CITY COUNCIL:

- CLAUDIA BALDUCCI
- JOHN CHELMINIAK
- GRANT DEGINGER
- JENNIFER ROBERTSON
- KEVIN WALLACE



PROJECT LOCATION
COAL CREEK PARKWAY
SE 48TH PL OUTFALL REPAIR

PROJECT LOCATION
NOT TO SCALE



NO. DATE BY APPR

REVISIONS



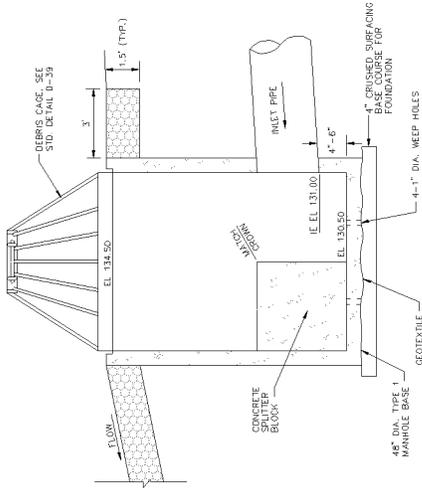
HAMMOND COLLIER
WADE LIVINGSTONE
SEATTLE (206) 652-2564
WENATCHER (509) 662-1762
OWAK (509) 826-5861

| | | | |
|-----------------|------|-------------|------|
| DESIGN MANAGER | DATE | APPROVED BY | DATE |
| PROJECT MANAGER | DATE | DESIGNED BY | DATE |
| | | DRAWN BY | DATE |
| | | CHECKED BY | DATE |

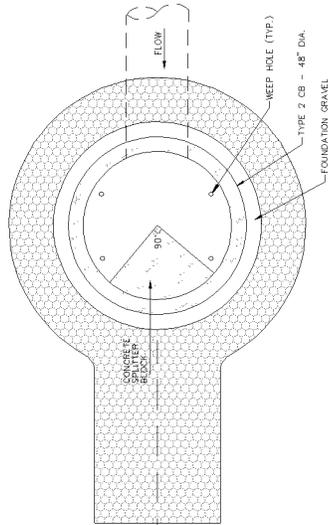


City of Bellevue
UTILITIES

CITY OF BELLEVUE UTILITIES
COAL CREEK PARKWAY
SE 48TH PLACE OUTFALL REPAIR
COVER SHEET AND DRAWING INDEX
SECTION: 21-24-5 SH: 1 OF 5



ELEVATION



PLAN

ENERGY DISSIPATOR
NTS



811
Know what's below.
Call before you dig.

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WENATCHEE
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Approved By

| | |
|-----------------|------|
| REGION MANAGER | DATE |
| PROJECT MANAGER | DATE |

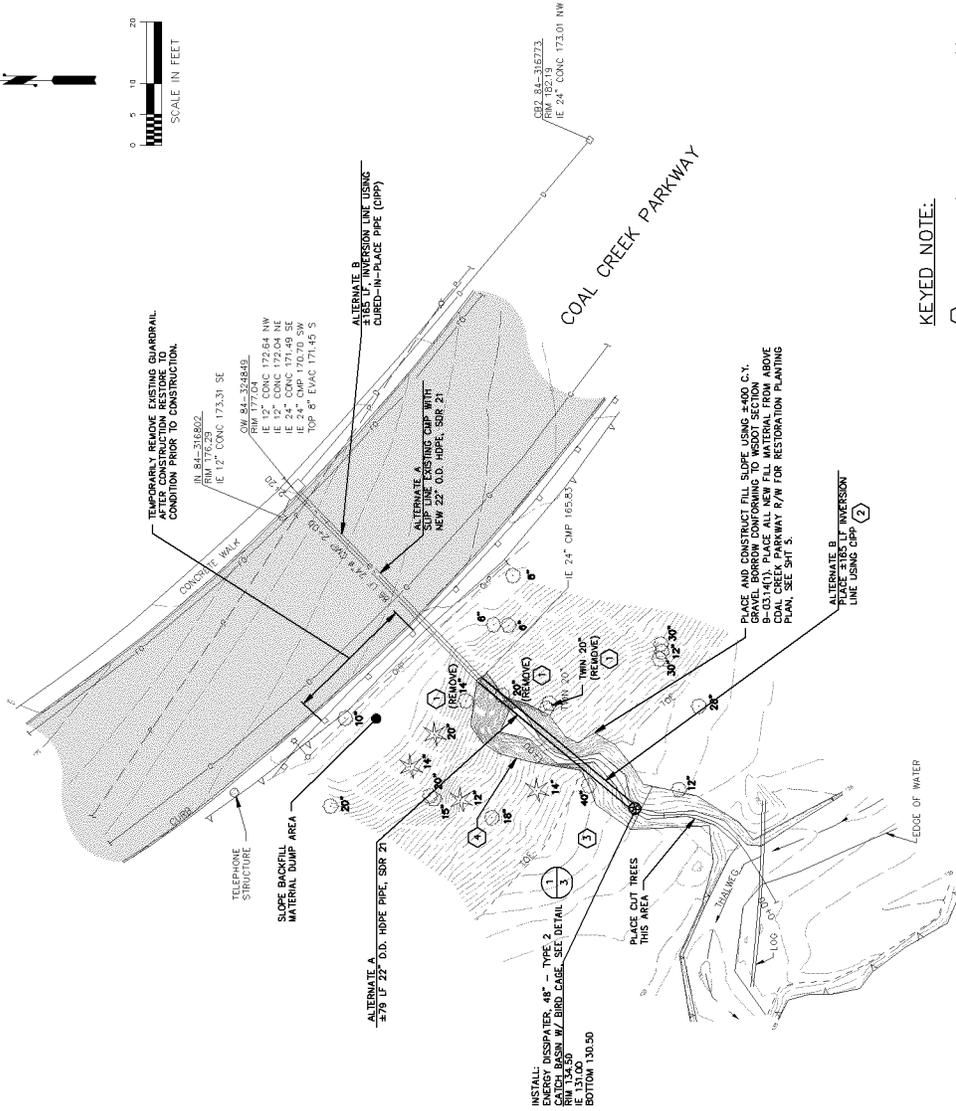
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City of Bellevue
UTILITIES

CITY OF BELLEVUE UTILITIES
COAL CREEK PARKWAY
SE 48\"/>

SECTION: 21-24-5 SHT 3 OF 6



KEYED NOTE:

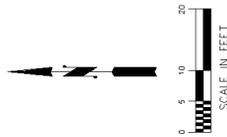
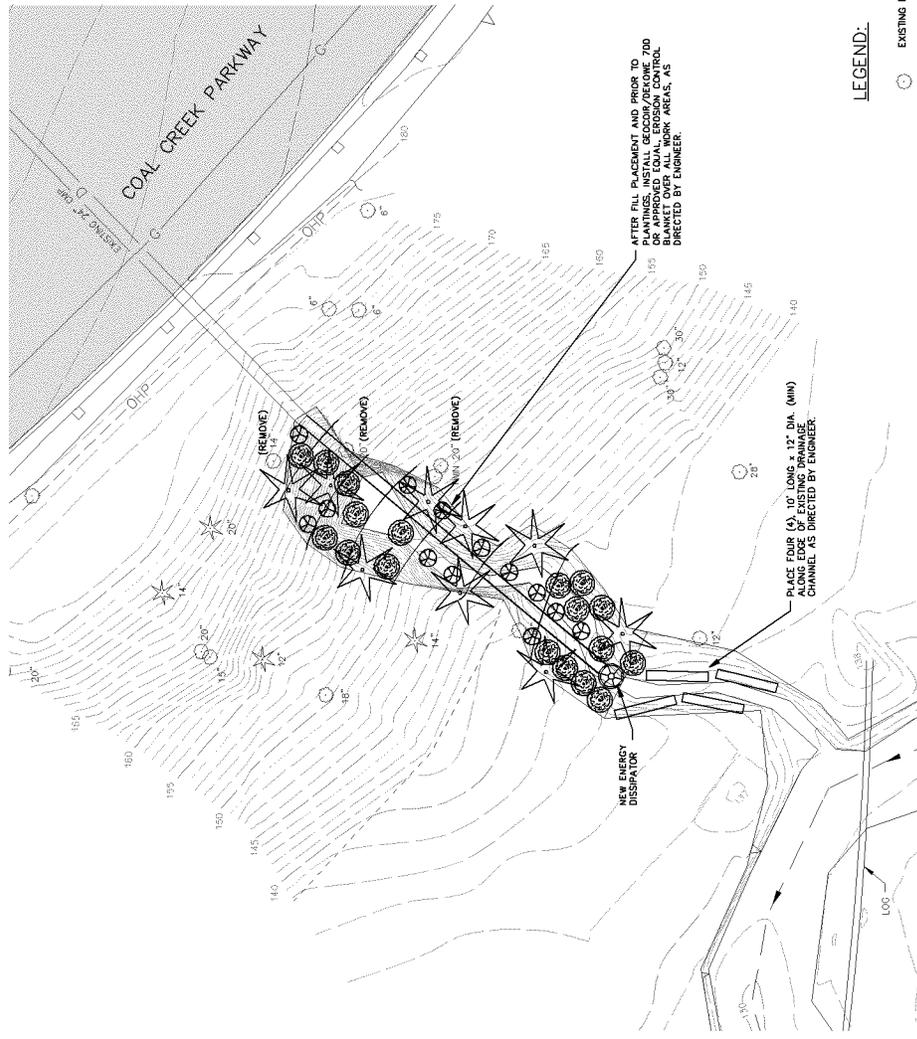
- 1 CUT TREES INTO 10' LENGTHS AND PLACE FOUR (4) IN AND ALONG EXISTING CHANNEL AS DIRECTED BY ENGINEER.
- 2 USE HALF SECTION OF 21\"/>

PLAN
SCALE: 1\"/>

NEW PLANT LEGEND

| SYMBOL | NAME (LATIN) | SIZE | QUANTITY | SPACING |
|--------|---|------------|----------|---------|
| | W.P. CEDAR, DOUG. FIR OR HEMLOCK | 1-2 GALLON | 9 | * |
| | WESTERN SERVICE BERRY (AMELANCHER ALTISSIMA) | 1 GALLON | 18 | 3 FT |
| | OSBERRY (OMELIA CEPASIFORMIS) | 1 GALLON | 13 | 3 FT |
| | SWORD FERN (POLYSTICHUM MUNITUM) | - | 50 | 36" |
| | WLD. GRASS (ASARUM CALDATUM) | - | 100 | 24" |

* AS DIRECTED BY ENGINEER



LEGEND:

- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- EXISTING CONTOURS
- FINISHED CONTOURS
- GUARDRAIL
- ASPHALT PAVEMENT

AFTER FILL PLACEMENT AND PRIOR TO PLANTINGS, INSTALL GEOTEXTILE/GEOTEXTILE BLANKET OVER ALL WORK AREAS, AS DIRECTED BY ENGINEER.

PLACE FOUR (4) 10' LONG x 12' DIA. CHANNEL AT THIS POINT. CHANNEL AS DIRECTED BY ENGINEER.

FILL SLOPE RESTORATION/PLANTING PLAN
SCALE: 1"=10'



HAMMOND COLLIER
WADE LIVINGSTONE
OMAK
SEATTLE
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WENATCHEE
(509) 665-1762
(509) 835-3861

811
Know what's Below.
Call before you dig.

| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
| | | | |
| | | | |
| | | | |

Approved By

DESIGN MANAGER: _____ DATE: _____
PROJECT MANAGER: _____ DATE: _____

PLSS SHOW
DESIGNED BY: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

GENERAL NOTES

- * ANY EXCAVATED MATERIAL REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED ON PROPERTY WITHIN THE CITY LIMITS MUST BE DONE IN COMPLIANCE WITH A VALID FILL PERMIT. LOCATIONS FOR STOCKPILED MATERIAL SHALL BE IDENTIFIED AND APPROVED BY THE INSPECTOR AT LEAST 24 HOURS IN ADVANCE OF ANY DUMPING.
- * THOSE CHECKED WITH BOXES ARE THE MINIMUM REQUIRED. 6 TO BE ASSUMED PRIOR TO ANY CLEARING OR GRADING. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED BY THE ENGINEER AS WEATHER CONDITIONS CHANGE. THE CITY OF BELLEVUE CLEARING AND GRADING CODE CHAPTER 22.1 C08 DEVELOPMENT STANDARDS; COB STANDARD DETAILS CD-1 THROUGH CD-10; AND THE CITY OF BELLEVUE STANDARD DETAILS FOR STORMWATER MANAGEMENT MANUAL FOR THE PAVED SOUND BASIN.

TEMPORARY EROSION CONTROL

CLEARING SHALL BE LIMITED TO THE AREA OF CONSTRUCTION ACTIVITY. DURING THE WETTER SEASON (OCTOBER THROUGH APRIL 30), THE TIME OF EXPOSURE SHALL NOT EXCEED 14 DAYS. FROM MAY 1 THROUGH SEPTEMBER 30, THE TIME OF EXPOSURE SHALL NOT BE MORE THAN 5 DAYS. THE TIME OF EXPOSURE SHALL NOT EXCEED 14 DAYS. THE CITY OF BELLEVUE CLEARING AND GRADING CODE CHAPTER 22.1 C08 DEVELOPMENT STANDARDS; COB STANDARD DETAILS CD-1 THROUGH CD-10; AND THE CITY OF BELLEVUE STANDARD DETAILS FOR STORMWATER MANAGEMENT MANUAL FOR THE PAVED SOUND BASIN.

- PLASTIC COVERING.
- SLOPE PROTECTION.
- SILT FENCE.

SEDIMENT TRAPPING

PERMITS SHALL BE OBTAINED FROM THE PORTLAND DEPARTMENT OF ECOLOGY, WASTEWATER FROM PORTLAND OPERATIONS SHALL NOT BE DISCHARGED TO STORM DRAINAGE SYSTEMS OR SURFACE WATERS. A HOLDING AREA AWAY FROM THE SEDIMENT POND MUST BE PROVIDED TO STORE MATERIALS TO BE REMOVED FROM THE SITE. MATERIALS FROM CUTTING OPERATIONS SHALL BE PREVENTED FROM ENTERING THE STORM DRAINAGE SYSTEM OR SURFACE WATERS.

- CATCH BASIN INSERT
- SLOPE CHECK DAM.

TEMPERARY CONSTRUCTION SEQUENCE

A TEMPORARY EROSION & CONTROL PLAN AND WRITTEN CONSTRUCTION SEQUENCE DESCRIBING HOW CONSTRUCTION AND EROSION CONTROL WILL PROGRESS. RESTORATION BY THE CONTRACTOR SHALL BE COMPLETED PRIOR TO THE RECONSTRUCTION BEGINNING. WILL BE REVIEWED WITH THE ENGINEER AT THE RECONSTRUCTION MEETING.

BMP MAINTENANCE

REGULARLY INSPECT INCLUDING ON WEEDS. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION BMP'S AND MAINTAIN THEM PER THE WASHINGTON STATE STORMWATER MANAGEMENT MANUAL FOR THE PAVED SOUND BASIN AND THE DEVELOPMENT STANDARDS SO THAT THEY REMAIN EFFECTIVE. ALL BMP'S MUST BE PERMANENTLY SIGNED, DATED, AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.

PERMANENT EROSION CONTROL

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED USING THE FOLLOWING METHODS:

- HYDROSEEDING.
- MULCHING/VEGETATION (SEE PLANS).
- SLOPE PROTECTION.

EASEMENTS

ALL PUBLIC AND PRIVATE EASEMENTS SHALL BE PROTECTED, AND ALL EASEMENT RIGHTS MAINTAINED.

UNDERGROUND UTILITY LINES

WHERE THE EXISTING UNDERGROUND UTILITY LINES ARE MORE THAN 24 INCHES DEEPER THAN CAN BE CLOSED IN A SINGLE DAY, OR MORE THAN 200 FEET, WHICHEVER IS LESS. EXCAVATED MATERIAL SHALL BE PLACED ON THE DOWNHILL SIDE OF THE TRENCH WHERE EXCAVATION IS BEING PERFORMED. EXCAVATED MATERIAL SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ADJUTING. TRENCHES SHALL BE CLOSED AT THE END OF EACH DAY UNLESS OTHERWISE ALLOWED BY THE ENGINEER. ALL EXCAVATIONS SHALL BE PROTECTED AND MAINTAINED PER THE STORMWATER MANAGEMENT MANUAL FOR THE PAVED SOUND BASIN, THE COB DEVELOPMENT STANDARDS AND STANDARD DETAILS. THE BMP'S SHALL BE MAINTAINED DAILY.



Know what's below.
Call before you dig.

NO DATE BY JAPR REVISIONS

| NO. | DATE | BY | JAPR | REVISIONS |
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HAMMOND COLLIER WADE LIVINGSTONE
 OMAK
 SEATTLE WENATCHEE
 (206) 632-2544 (509) 826-5861 (509) 826-5861

Approved By

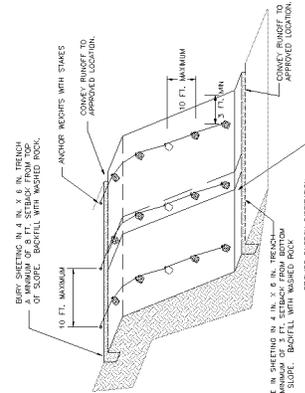
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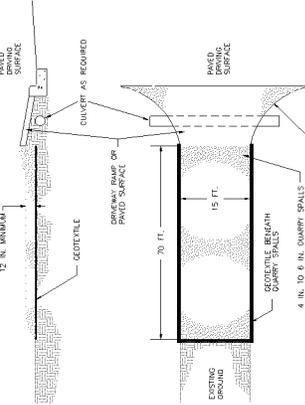
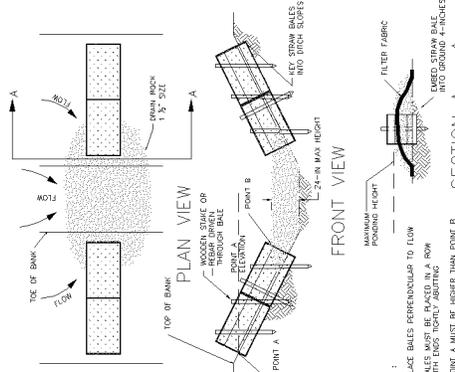
City of Bellevue UTILITIES

CITY OF BELLEVUE UTILITIES
 COAL CREEK PARKWAY
 8E 48TH PLACE
 TESC BMP'S STANDARD DETAILS
 SECTION 21-24-5 SH 6 OF 6



- NOTES:
1. TILES, SANGRIPS, OR EQUIVALENT MAY BE USED TO WEIGHT PLASTIC SHEETING.
 2. SEAMS BETWEEN SHEETS MUST OVERLAP A MINIMUM OF 12 IN. AND BE WEIGHTED OR TIED.
 3. PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MIL.
 4. DUE TO PORE BURNOUT CAUSED BY PLASTIC SHEETING, THIS METHOD SHALL NOT BE USED FOR SLOPE PROTECTION.
 5. CONSTRUCT BERM OR SLOPE AT TOP OF SLOPE AS DIRECTED BY THE CLEARING AND GRADING CONTRACTOR.
 6. CONSTRUCT DITCH AT BASE OF SLOPE AS REQUIRED BY CITY CLEARING AND GRADING INSPECTOR. DISMOUNT TO APPROVED LOCATION.

PLASTIC COVERING FOR SLOPES & STOCKPILES



- NOTES:
1. INSERT SHALL BE REMOVED AND REPAVED WHEN SOIL IS BURIED ON THE SURFACE OF THE PAV OR AS DIRECTED BY THE CITY CLEARING AND GRADING INSPECTOR.
 2. PAV THICKNESS SHALL BE INCREASED IF SOIL CONDITIONS DICTATE OR PER THE DIRECTION OF THE CITY CLEARING AND GRADING INSPECTOR.
 3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.

TEMPORARY CONSTRUCTION EXIT - PLAT/COMMERCIAL

CATCH BASIN INLET PROTECTION INSERT

BASIS OF BEARINGS:

(MAD 83/87) FOR THIS SURVEY DERIVED FROM THE FOLLOWING CITY OF BELLEVUE HORIZONTAL CONTROL MONUMENTS:

- STA. 1622: FOUND CONC. MON IN CASE
 N 1311988.08
 E 1311988.08
- STA. 1618: FOUND CONC. MON IN CASE
 N 205022.43
 E 1311405.92

HAVING A BEARING OF N45°40'52"W

BENCHMARK:

(MAD 88) ELEVATIONS FOR THIS SURVEY DERIVED FROM THE FOLLOWING CITY OF BELLEVUE VERTICAL CONTROL MONUMENTS:
 BENCHMARK 37: TOP OF NE BOLT IN STREET LIGHT BASE
 ELEV. 207.30'

SEMI-PERVIOUS CHECK DAM