



DEVELOPMENT SERVICES DEPARTMENT  
ENVIRONMENTAL COORDINATOR  
450 110<sup>th</sup> 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. 12-117271-GH  
Project Name/Address: Lakemont Bridge Lewis Creek Tributary Stabilization  
Under Lakemont Boulevard – Bridge #3  
Planner: Kevin LeClair  
Phone Number: 425-452-2928  
**Minimum Comment Period: July 26, 2012**

Materials included in this Notice:

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

To be reviewed under Bellevue Permit  
file # 12-117271-LO  
Reviewer: Kevin LeClair  
Contact: kleclair@bellevuewa.gov  
425-452-2928

**WAC 197-11-960 Environmental checklist.**

ENVIRONMENTAL CHECKLIST

*Purpose of checklist:*

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

*Instructions for applicants:*

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

*Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: **Lewis Creek Restoration at Lakemont Blvd SE**

Retitled: Lakemont Bridge Lewis  
Creek Tributary Stabilization

2. Name of applicant: **City of Bellevue**

3. Address and phone number of applicant and contact person:

**Steve C Costa, P.E.**  
**450 – 110th Avenue NE**  
**Bellevue, WA 98009**

4. Date checklist prepared: **6/26/12**

5. Agency requesting checklist: **City of Bellevue**

6. Proposed timing or schedule (including phasing, if applicable):

**The current target for construction is fall 2012 ahead of the rainy season. If this window is not met then the project will be weathered over for construction in 2013 during the dry season.**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

**Does not apply**

The site will be monitored following construction to ensure stabilization methods and restoration have been successful.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

**Biological Evaluation Report by GeoEngineers (6/12)**

**Draft Critical Areas Report by GeoEngineers (5/12)**

**Geotechnical Engineering and Geomorphic by GeoEngineers (5/12)**

**Geotechnical Consultation Memorandum by GeoEngineers (2/07)**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

**Does not apply**

10. List any government approvals or permits that will be needed for your proposal, if known.

**Right of Way Use Permit (TK)**

**Critical Areas Land Use Permit (LO)**

**Clearing and Grading in Critical Areas Permit (GH)**

**Hydraulic Permit Approval (HPA)**

**Section 404**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

**The City of Bellevue is proposing to stabilize an unnamed tributary to Lewis Creek where it passes underneath Lakemont Boulevard at Lakemont Bridge No. 3 (bridge closest to the top of the hill). Significant down-cutting and bank failure has created a deep incision in the unnamed tributary, and the ongoing erosion threatens to undermine the bridge abutments. Although the unnamed tributary is classified as non-fish seasonal channel, the ongoing erosion also affects downstream aquatic habitat in Lewis Creek. Stabilization of the eroded stream banks and bridge abutments will be accomplished by infilling the incised area with quarry spalls. A gabion wall will also be constructed at the corner of the southwest bridge abutment. The affected portion of the unnamed tributary covers about 175 linear feet or 13,000 square feet.**

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

**The proposed work location is where the unnamed tributary crosses under Lakemont Boulevard SE at Bridge No. 3 (approximately 1500 feet east of the 171st Avenue SE intersection).**

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

- a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other . . . . .
- b. What is the steepest slope on the site (approximate percent slope)?

**The unnamed tributary has a gradient of about 19 percent underneath Bridge No 3 with deep incisions varying from 10 to 20 feet. The left bank face is vertical for about 7 feet before sloping back to meet the adjacent bridge abutment. The right bank face has a 60 percent gradient and is nearly 20 feet high at the downstream end.**

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

**The site is located within an area mapped as Blakely Formation bedrock (Tb) that consists of medium to coarse grained sandstone, conglomerate and minor siltstone. The bedrock ranges from fresh to highly weathered near the ground surface. The western corner of the southern bridge abutment is set in glacial till (Qvt), composed of a dense mixture of sand, silty, gravel and cobbles, or an unmapped colluvium composed of the Blakely Formation and till.**

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

**GeoEngineers visited the site in January 2007 at the request of the City of Bellevue. Down-cutting and bank failure was observed at that time. GeoEngineers issued a Draft Geotechnical Memorandum, dated February 9, 2007, describing the site conditions and presenting conceptual mitigation measures. The City of Bellevue monitored the site for increases in erosion and threats to the bridge abutments.**

**GeoEngineers revisited the site in October 2011 at the request of the City of Bellevue. The site had deteriorated to its current condition where a substantial amount of soil beneath the bridge has been displaced undermining of the bridge abutments in some areas. The City installed temporary mitigation measures consisting of sandbags and erosion mat with the intent of constructing a permanent mitigation scheme in the dry season.**

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

**Approximately 300 cubic yards of earth will be temporarily removed from the hillside adjacent to Lakemont Boulevard in order to create a construction access to the unnamed tributary. One the repair work is complete the hillside will be restored using the native material that was removed.**

**Approximately 810 cubic yards of quarry spalls will be used to infill the channel. The infill will prevent future channel incision and buttress the failing and eroded bridge abutment slopes. The spalls will be of sufficient size (potentially 4 to 8 inches) to resist flows in the unnamed tributary. The spalls will be placed at an inclination of 1½:1 (horizontal to vertical) against the abutment slopes. A minimum amount of spalls will be used to reduce potential impacts to the existing channel profile. Quarry spalls are commonly available.**

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

**Erosion could occur during the creation of the construction access, clearing and preparation of the channel, and infilling activities. Note the unnamed tributary also has an ongoing erosion problem which this proposal will repair.**

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

**Does not apply**

The project site is largely covered by impervious surface from bridge deck.

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

**A Construction Stormwater Pollution Prevention Plan (CWSPPP) and a Temporary Erosion and Sediment Control (TESC) Plan will be prepared to address and mitigate potential erosion during construction. Standard Best Management Practices (BMPs) will be used to prevent soil erosion and turbid stormwater discharge from migrating beyond the immediate work area and will be installed prior to any earth-disturbing work. The BMPs will include silt fencing and a stream bypass system. The stream bypass system will create a dry working condition to minimize the risk of stormwater runoff from the work area. Flows from the unnamed tributary will be impounded at a location upstream of the work area using a sand bag dam, or similar, routed around the work area, and released downstream from the work area. An energy dissipation device will be installed at the stream bypass system outfall to avoid unnecessary erosion and/or scour. A similar impoundment area will also be installed at the downstream end of the work area to catch any stormwater runoff from construction activities.**

2. **Air**

Erosion control BMPs are required per BCC 23.76

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

**Does not apply**

There will be short term emissions created by equipment carrying out the proposed stabilization.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

**Does not apply**

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

**Does not apply**

The contractor's equipment will be required to be in good operating condition in order to limit excessive emissions to the environment.

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.

**The proposed project is within an unnamed tributary to Lewis Creek and the confluence with Lewis Creek is about 95 feet downstream from the site.**

The tributary is classified as a Type N stream, Lewis Creek is a Type F (fish-bearing) stream.

- 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.

**Stabilization of the eroded stream banks and bridge abutments will be accomplished by infilling the incised area with quarry spalls. A gabion wall will also be constructed at the corner of the southwest bridge abutment. To help mitigate the seepage induced erosion of the north abutment soils, the slope should be covered with an erosion mat and/or vegetated.**

- 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 810 cubic yards of quarry spalls will be used to infill the channel. Quarry spalls are commonly available.**

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

**The BMPs will include a stream bypass system. The stream bypass system will create a dry working condition to minimize the risk of stormwater runoff from the work area. Flows from the unnamed tributary will be impounded at a location upstream of the work area using a sand bag dam, or similar, routed around the work area, and released downstream from the work area. An energy dissipation device will be installed at the stream bypass system outfall to avoid unnecessary erosion and/or scour.**

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

There are no floodplains within the project area.

**Does not apply**

- 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.

**Does not apply**

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

**Does not apply**

- 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.

**Does not apply**

c. Water runoff (including stormwater):

- 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.

The unnamed tributary receives water from a wetland located in the residential neighborhood northeast of the site as well as surface water runoff from nearby residential homes and Lakemont Boulevard. The unnamed tributary terminates at the confluence with Lewis Creek approximately 95 feet downstream from Lakemont Bridge No. 3.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Since the majority of this proposal involves infilling the possibility of having waste construction materials is small. In regards to any construction equipment used onsite, the CSWPPP and TESC Plan will address accidental releases of waste material such as fuel leaks or spills of petroleum fuel products.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any: Required per BCC 23.76

A CWSPPP and TESC Plan will be prepared to address and mitigate potential erosion during construction. BMPs will be used to prevent soil erosion and turbid stormwater discharge from migrating beyond the immediate work area and will be installed prior to any earth-disturbing work. The BMPs will include silt fencing and a stream bypass system. The stream bypass system will create a dry working condition to minimize the risk of stormwater runoff from the work area. Flows from the unnamed tributary will be impounded at a location upstream of the work area using a sand bag dam, or similar, routed around the work area, and released downstream from the work area. An energy dissipation device will be installed at the stream bypass system outfall to avoid unnecessary erosion and/or scour. A similar impoundment area will also be installed at the downstream end of the work area to catch any stormwater runoff from construction activities.

The project will comply with the State of Washington Water Quality Standards identified in WAC 173-201A. Sediment migration will be monitored visually and turbidity measurements will be taken by the contractor during construction. If there is a risk that measured turbidity could exceed the relevant background criteria the work will be halted until the condition is no longer present and the cause of the sediment discharge has been addressed. It is anticipated that the project will not impact water quality downstream of the site beyond allowable limits.

#### 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, bullrush, 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?

Construction access requires removal of some of the smaller deciduous trees along the northeast corner of the bridge

c. List threatened or endangered species known to be on or near the site.

Does not apply

There are no known threatened or endangered species on or near the project site.

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

**Disturbed areas will be stabilized and vegetated in accordance with the site restoration plan. Ground surface treatment will include placement of composted mulch, seeding, and/or planting native plant materials.**

**5. Animals**

a. 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: **Merlin, Pileated woodpecker**

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.

Does not apply

There are no known threatened or endangered species on or near the project site.

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

Does not apply

d. Proposed measures to preserve or enhance wildlife, if any:

Does not apply

Work will be conducted in the late -summer to early-fall to minimize impacts to fish species.

**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 needs? Describe whether it will be used for heating, manufacturing, etc.

Does not apply

The project will require the use of gasoline and diesel fuel to operate the equipment necessary to complete the project.

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

Does not apply

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

Does not apply

**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.

Does not apply

**REVIEWED**  
By Kevin LeClair at 1:59 pm, Jul 09, 2012

1) Describe special emergency services that might be required.

**Does not apply**

2) Proposed measures to reduce or control environmental health hazards, if any:

**Does not apply**

As part of the required Construction Stormwater Pollution Prevention Plan, a spill response plan will be required to ensure toxic or hazardous materials are prevented from entering the nearby stream.

**b. Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

**Traffic**

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

The site is located within the largely undeveloped area of the Lewis Creek Canyon with single family residential homes around the perimeter and above the work area. Vehicles traveling along Lakemont Boulevard characterize background noise levels at approximately 64.5 dBA. The trees surrounding the site will reduce noise at an approximate rate of 7.5 dBA per doubling distance (WSDOT, 2012).

The project will utilize typical diesel-powered earth moving and material handling equipment, such as, skid steers, small excavators, and trucks. This type of equipment is expected to generate point source noise of up to 92 decibels (dBA) at a distance of 50 feet (WSDOT, 2012). The hours for construction activity in the City of Bellevue are generally Monday through Friday, 7:00am to 6:00pm. The inspector assigned to the project may alter the work hours to a more suitable time with approval by the City of Bellevue ROW Use Office.

3) Proposed measures to reduce or control noise impacts, if any:

**Does not apply**

**8. Land and shoreline use**

a. What is the current use of the site and adjacent properties?

**Roadway and open space**

b. Has the site been used for agriculture? If so, describe.

**Does not apply**

c. Describe any structures on the site.

Lakemont Bridge No. 3 crosses the work area and the unnamed tributary. The bridge deck contains three lanes, bike lanes, a sidewalk, and safety railing. Abutment walls and gabions make up the supports beneath the bridge deck.

d. Will any structures be demolished? If so, what?

**Does not apply**

e. What is the current zoning classification of the site?

**Residential, 5 units per acre (R-5)**

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

**Public Facilities (PF), Single-family Low-density (SF-L)**

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

**Does not apply**

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

**Steep slopes (over 40%), Urban Natural Open Space**

also Stream Critical Area and Critical Area Buffer.

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

**Does not apply**

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

**Does not apply**

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

**Does not apply**

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

**Does not apply**

**9. Housing**

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

**Does not apply**

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

**Does not apply**

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

**Does not apply**

**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?

**Does not apply**

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

**Does not apply**

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

**Does not apply**

**11. Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

**Does not apply**

b. Could light or glare from the finished project be a safety hazard or interfere with views?

**Does not apply**

c. What existing off-site sources of light or glare may affect your proposal?

**Does not apply**

d. Proposed measures to reduce or control light and glare impacts, if any:

**Does not apply**

**12. Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity?

**Sidewalk and bike lanes along Lakemont Boulevard, Lewis Creek trail system**

b. Would the proposed project displace any existing recreational uses? If so, describe.

**Does not apply**

**No displacement will occur.**

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

**Does not apply**

**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.

**Does not apply**

None are known to exist.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

**Does not apply**

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

**Does not apply**

**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.

**Lakemont Boulevard SE crosses over the site via Lakemont Bridge No. 3**

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

**The nearest transit stop is at the NE 171<sup>st</sup> Street intersection approximately 1500 feet east of the site**

c. How many parking spaces would the completed project have? How many would the project eliminate?

**Does not apply**

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).

**Does not apply**

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

**Does not apply**

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

**Does not apply**

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

**Does not apply**

**15. Public services**

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

**Does not apply**

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

**Does not apply**

**16. Utilities**

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

**Does not apply**

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.

**Does not apply**

**C. SIGNATURE**

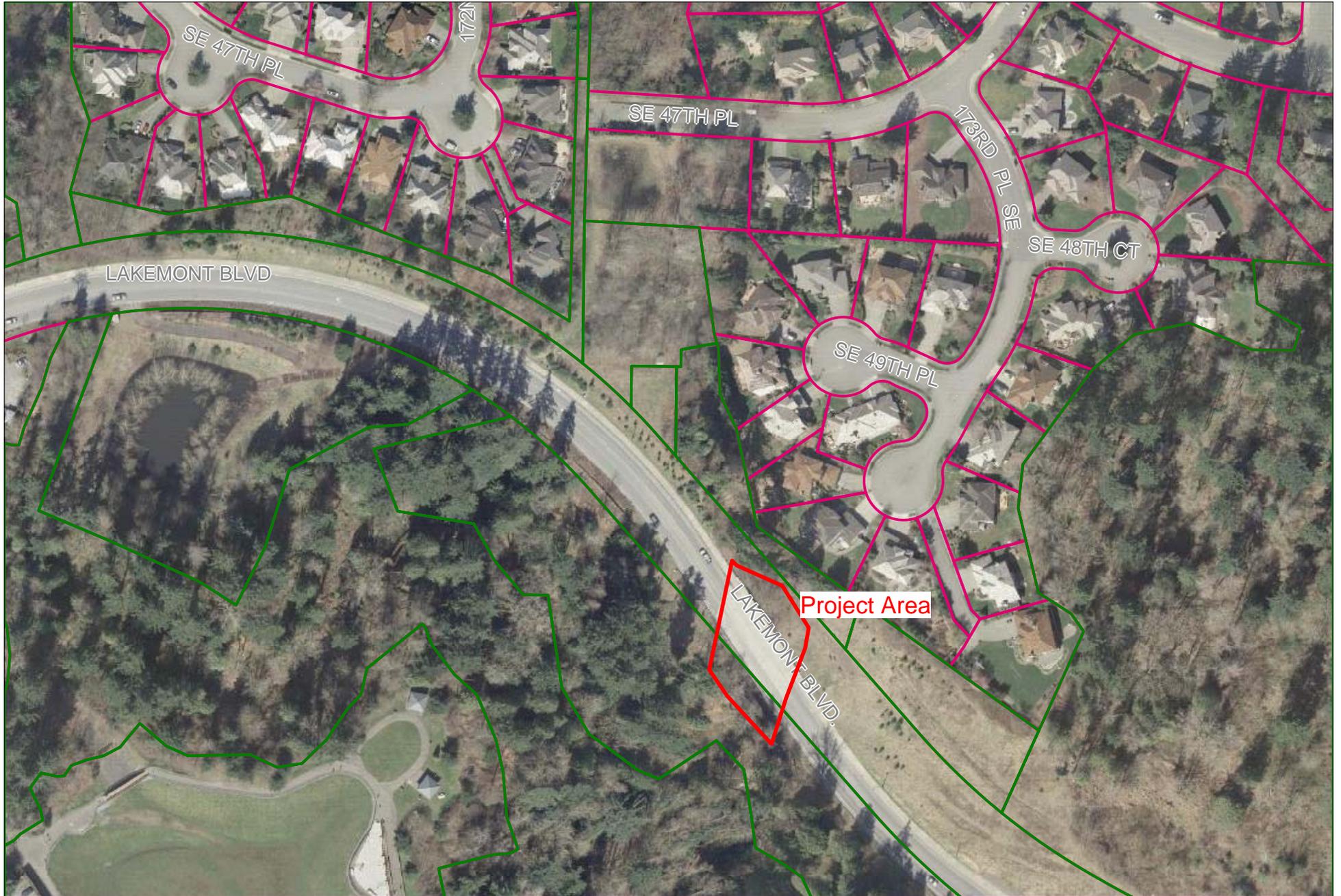
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:  .....

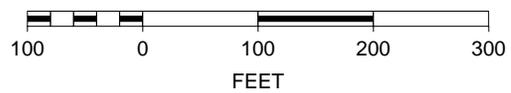
Date Submitted: 7/2/12 .....

**REVIEWED**  
By Kevin LeClair at 2:10 pm, Jul 09, 2012

# Lakemont Bridge Lewis Creek Tributary Stabilization 12-117271-LO



SCALE 1 : 1,986



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# CITY OF BELLEVUE TRANSPORTATION DEPARTMENT

## LEWIS CREEK TRIBUTARY RESTORATION AT LAKEMONT BLVD SE

**CITY MANAGER**  
STEVE SARKOZY

**DEPUTY MAYOR**  
JENNIFER ROBERTSON

**MAYOR**  
CONRAD LEE

**CITY COUNCIL**  
CLAUDIA BALDUCCI  
JOHN CHELMINIAK  
DON DAVIDSON  
JOHN STOKES  
KEVIN WALLACE

**DIRECTOR OF TRANSPORTATION**  
DAVID BERG

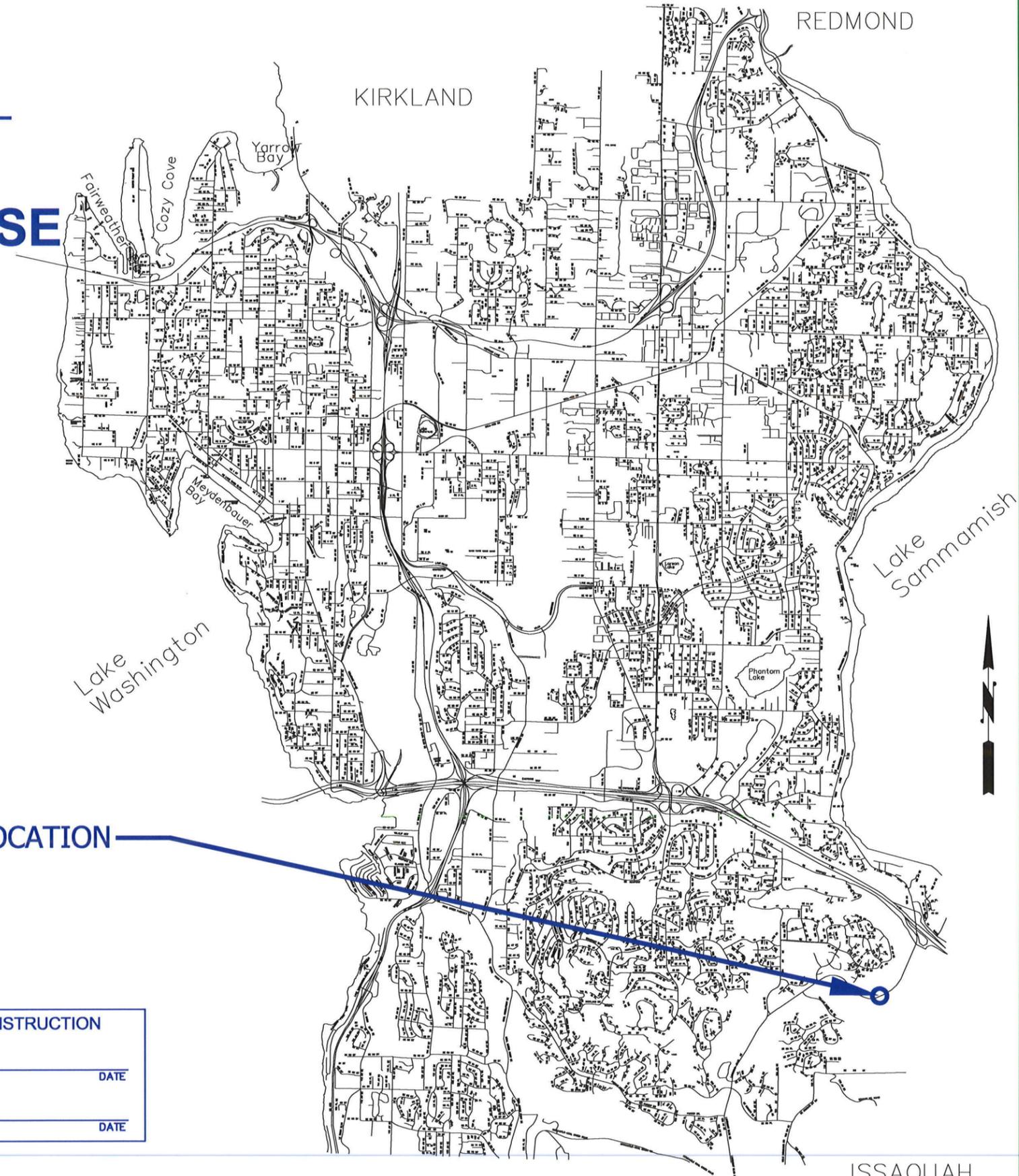
### SCHEDULE OF DRAWINGS

SHEET	DRAWINGS
1	COVER SHEET
2	SITE PREPARATION AND EROSION CONTROL PLAN
3	CIVIL PLAN AND PROFILE
4	TYPICAL SECTIONS & DETAILS
5	LANE CLOSURE & TRAFFIC CONTROL PLAN

**30% DESIGN**

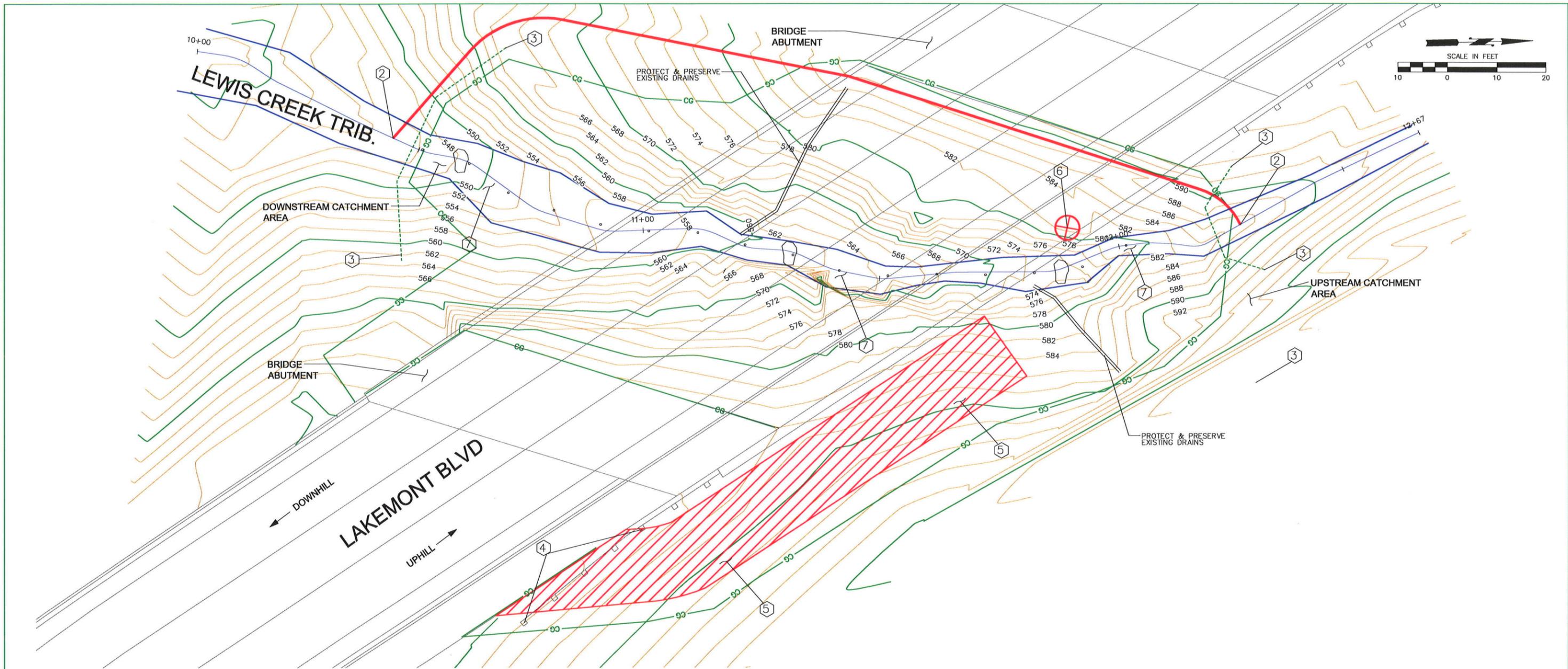
**C.I.P. NUMBER PW-M-1  
BID NUMBER XXXXX**

APPROVED FOR CONSTRUCTION	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE



**PROJECT LOCATION**

ISSAQUAH

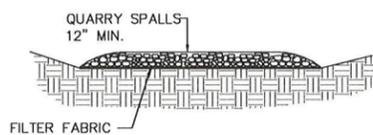


**SITE PREPARATION EROSION CONTROL GENERAL NOTES**

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. PROVIDE, INSTALL, AND MAINTAIN TEMPORARY CHAIN LINK FENCE AROUND LIMITS OF THE PROJECT SITE FOR THE DURATION OF CONSTRUCTION.
3. THE CONTRACTOR SHALL SUBMIT A FINAL TESC PLAN AND CSWPPP REFLECTING THE CONTRACTORS OPERATIONS PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE PROVIDE A TURBIDITY MONITORING PLAN AND MONITOR TURBIDITY THROUGHOUT THE PROJECT AS REQUIRED BY THE CITY OF BELLEVUE CLEAR AND GRADE PERMIT.
5. THE CONTRACTOR SHALL PREPARE AND SUBMIT A BYPASS PLAN TO THE CITY FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE BYPASS PLAN SHALL INCLUDE LOCATION OF FLOW DIVERSION, BYPASS PIPE SIZE AND MATERIAL, PUMP SIZE, EMERGENCY PROCEDURES FOR HIGH FLOW EVENTS INCLUDING ADDITIONAL PIPES AND PUMPS.
6. USE OF HEAVY EQUIPMENT SHALL BE LIMITED TO THE WORK AREAS DELINEATED ON THE PLAN.
7. FOR CENTERLINE AND SITE RESTORATION INFORMATION, SEE SHEET 3.

**LEGEND**

-  TREE STUMP TO BE REMOVED
-  APPROX. HAUL ROAD LOCATION
-  APPROX. CLEAR AND GRUBB LIMITS/WORK LIMITS
-  SILT FENCE



**TEMPORARY HAUL ROAD SECTION**  
NOT TO SCALE

**SITE PREPARATION AND EROSION CONTROL NOTES**

- ① PROVIDE AND INSTALL CATCH BASIN INLET PROTECTION PER COB STD. DWG. NO. EC-6.
- ② PROVIDE AND INSTALL TEMPORARY DRAINAGE BYPASS AROUND THE WORK AREA. PRIOR TO THE START OF THE CLEARING AND EXCAVATION. SEE GENERAL NOTE 5 FOR ADDITIONAL REQUIREMENTS.
- ③ PROVIDE AND INSTALL SILT FENCE PER WSDOT STD. PLAN NO. 1-30.15-00.
- ④ REMOVE EXISTING GUARDRAIL TERMINAL. STRAIGHT SECTIONS OF GUARDRAIL TO REMAIN
- ⑤ CONSTRUCT TEMPORARY HAUL ROAD PER SECTION, THIS SHEET.
- ⑥ REMOVE TREE STUMP.
- ⑦ CLEAR CHANNEL AND SLOPES OF ROCKS, DEBRIS, AND VEGETATION WITHIN THE LIMITS SHOWN.

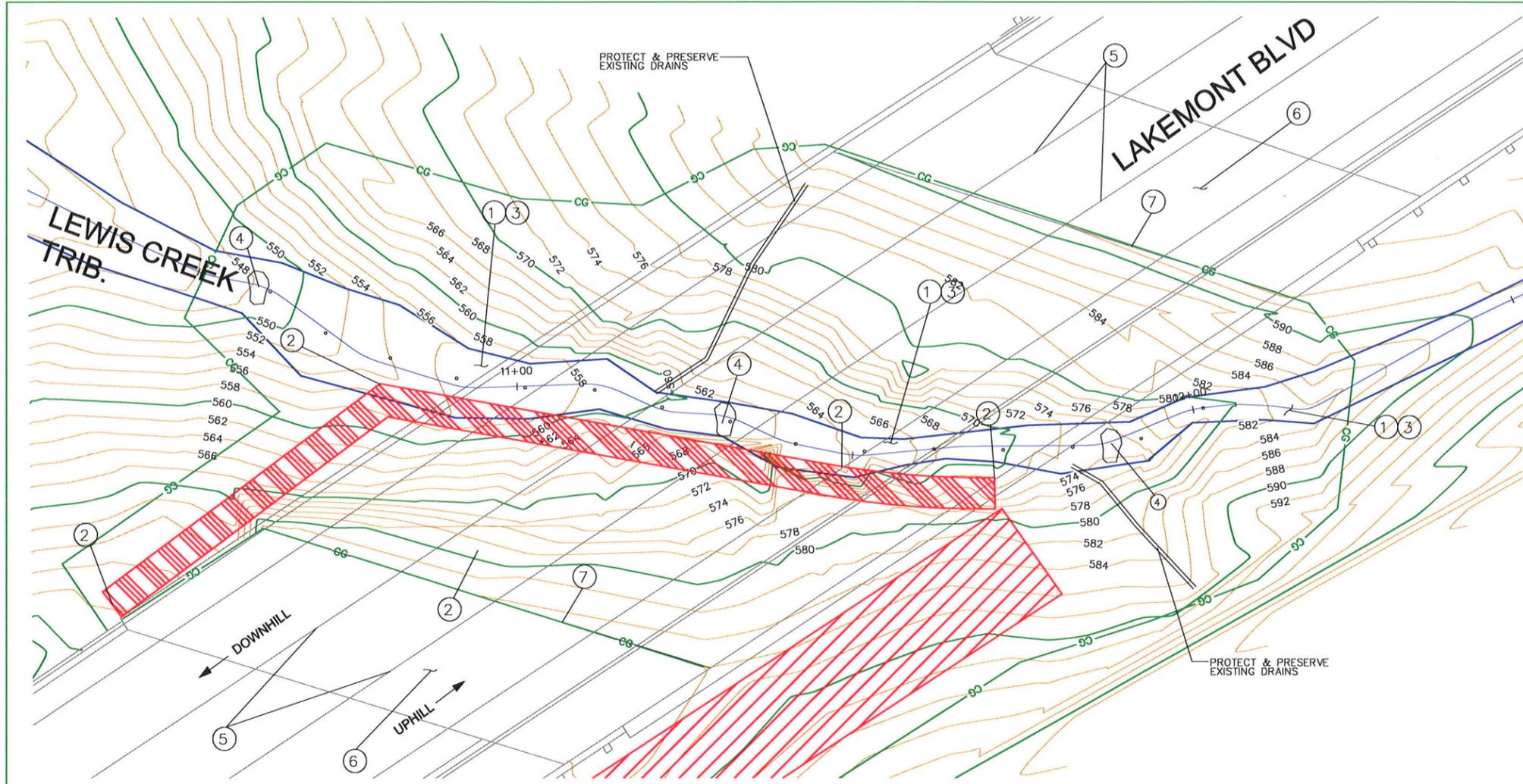
NO.	DATE	BY	APPR.	REVISIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE

CM/SC	08/12
DESIGNED BY	DATE
C. Masek	08/12
DRAWN BY	DATE
S. Costa	08/12
CHECKED BY	DATE

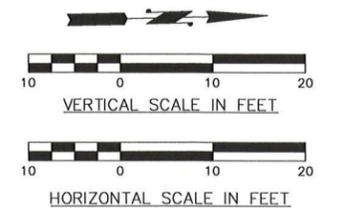


**LEWIS CREEK TRIBUTARY RESTORATION AT LAKEMONT BLVD SE**



**LEGEND**

- 2 MAN ROCK
- APPROX. HAUL ROAD LOCATION
- APPROX. CLEAR AND GRUBB LIMITS/WORK LIMITS
- GABION WALL



**CONSTRUCTION NOTES**

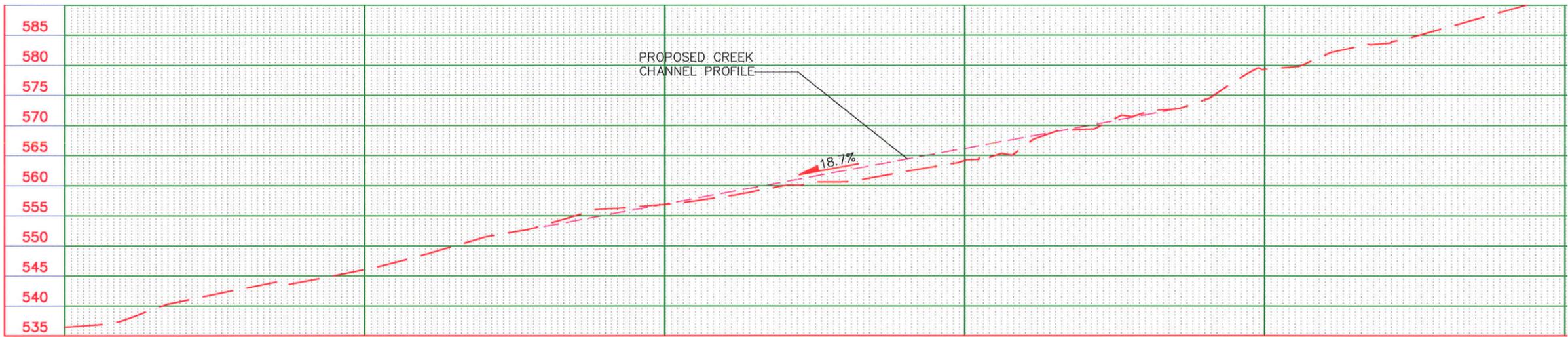
- ① EXCAVATE AND GRADE NEW STREAMBED CHANNEL AT 1.5:1 SLOPE PER PROFILE THIS SHEET, AND GRADING TABLES & TYPICAL STREAM SECTIONS, SHEET 4.
- ② EXCAVATE AND CONSTRUCT GABION WALL PER WSDOT STD. PLAN NO. D-6 AND DETAILS, SHEET 4.
- ③ PROVIDE AND INSTALL 4"-8" QUARRY SPALLS AT A SLOPE OF 1.5:1. DEPTH OF QUARRY SPALLS IN PROPOSED STREAMBED CHANNEL TO BE 12"-18" DEEP. SEE TYPICAL STREAM CROSS SECTION, THIS SHEET.
- ④ PROVIDE AND INSTALL 2 MAN ROCK IN STREAM CHANNEL OR CONSTRUCT CONCRETE CHECK DAM PER DETAIL, SHEET 4.
- ⑤ REMOVE EXISTING RAISED PAVEMENT MARKINGS FROM BRIDGE DECK AND PRESSURE THE BRIDGE DECK.
- ⑥ PRESSURE WASH, SHOT BLAST AND SEAL EXISTING BRIDGE DECK.
- ⑦ REMOVE EXISTING BRIDGE EXPANSION JOINT AND REPLACE WITH NEW ELASTOMERIC COMPRESSION SEAL MANUFACTURED BY DS BROWN, WATSON BOWMAN ACME OR APPROVED EQUAL.

**CONSTRUCTION GENERAL NOTES**

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. PROVIDE, INSTALL, AND MAINTAIN TEMPORARY CHAIN LINK FENCE AROUND PROJECT SITE FOR THE DURATION OF CONSTRUCTION.
3. USE OF HEAVY EQUIPMENT SHALL BE LIMITED TO THE WORK AREAS DELINEATED ON THE PLAN.
4. FOR SITE PREPARATION AND EROSION CONTROL PLAN, SEE SHEET 2.

**TRAFFIC CONTROL NOTES**

1. TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
2. WORK HOURS FOR CONSTRUCTION INCLUDING LANE CLOSURES WILL BE 7 AM TO 6 PM MONDAY THROUGH FRIDAY.
3. CONTRACTOR SHALL PROVIDE PROJECT SPECIFIC TRAFFIC CONTROL PLAN AT LEAST 10 DAYS PRIOR TO CONSTRUCTION.
4. THE CITY HAS PROVIDED A TRAFFIC CONTROL PLAN FOR THE CLOSURE OF THE UPHILL RIGHT LANE FOR STAGING CONSTRUCTION ON SHEET X. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLAN REFLECTING THEIR WORK ACTIVITIES IF THEY DIFFER FROM THE TRAFFIC CONTROL PLANS SHOWN IN THE CONTRACT PLANS. REVISED TRAFFIC CONTROL PLANS SHALL APPROVED BY THE CITY AND SHALL BE SUBMITTED LEAST 10 DAYS PRIOR TO CONSTRUCTION.



546.01	546.009	556.88	556.880	564.17	564.174	579.32	579.317	591.16
10+50		11+00		11+50		12+00		12+

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**Approved By**

TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE

CM/SC 06/12  
 DESIGNED BY C. Masek 06/12  
 DRAWN BY S. Costa 06/12  
 CHECKED BY DATE

**City of Bellevue**  
Transportation Department

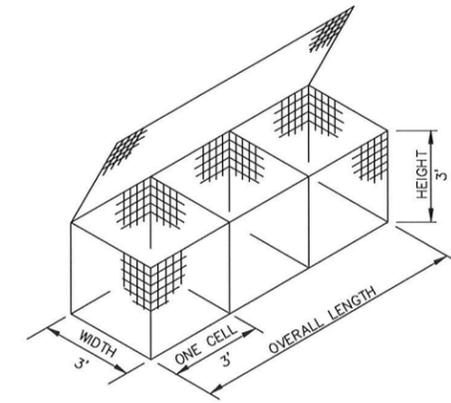
**LEWIS CREEK TRIBUTARY RESTORATION AT LAKEMONT BLVD SE**

**TABLE 1: STREAMBED CENTERLINE CONTROL**

TO BE ADDED AFTER DESIGN IS FINALIZED

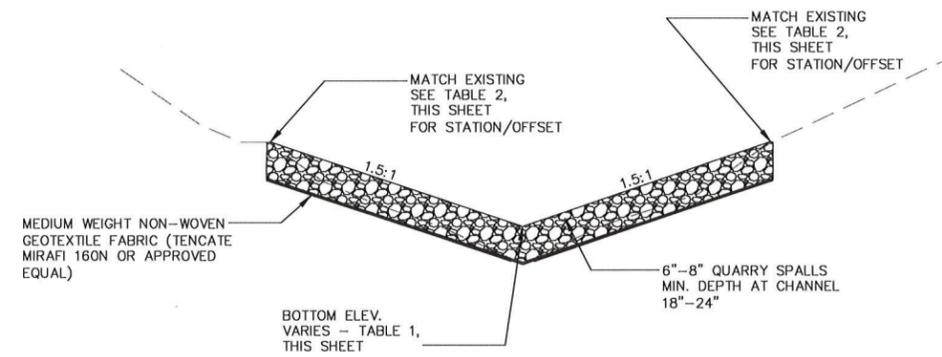
**TABLE 2: GRADING AND MATCH POINT TABLE**

TO BE ADDED AFTER DESIGN IS FINALIZED

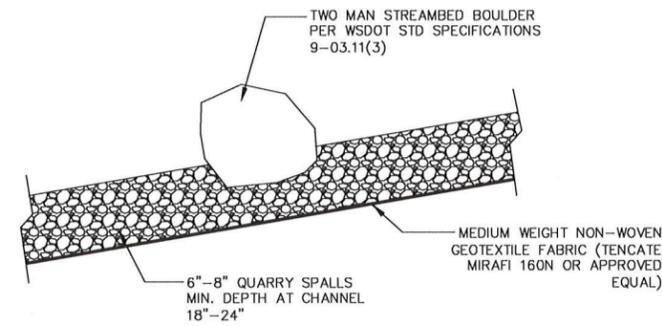


UNIT A - 2 CELL GABION = 6'  
 UNIT B - 3 CELL GABION = 9'  
 UNIT C - 4 CELL GABION = 12'

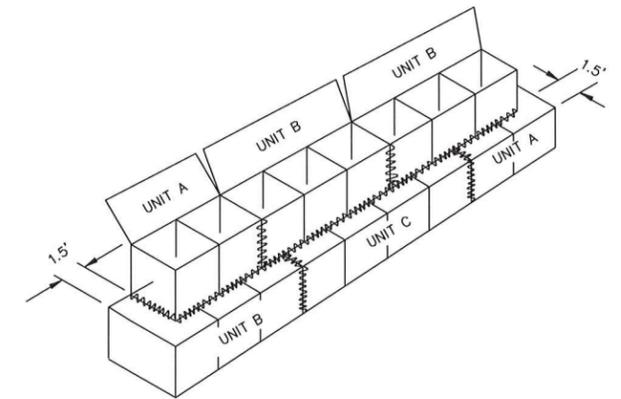
**TYPICAL GABION BASKET**  
 NOT TO SCALE



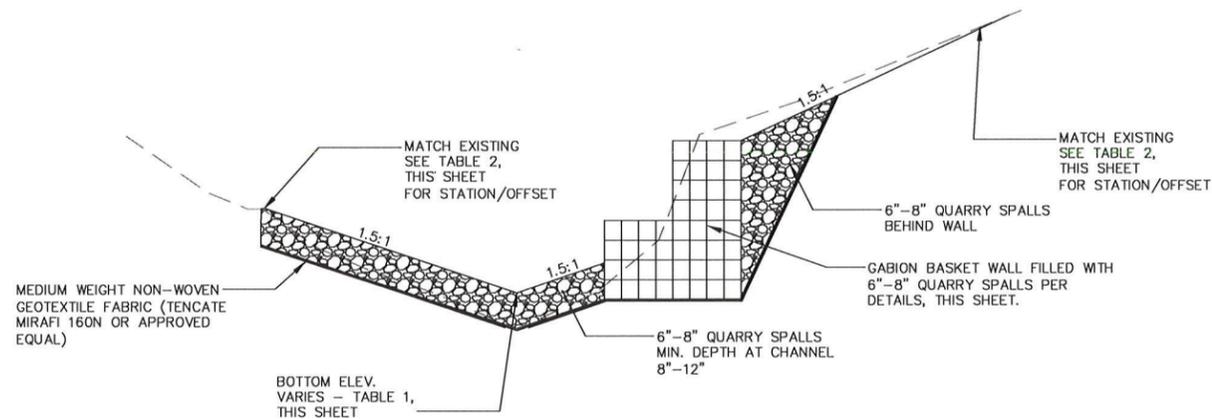
**TYPICAL STREAM SECTION WITHOUT GABION WALL**  
 NOT TO SCALE



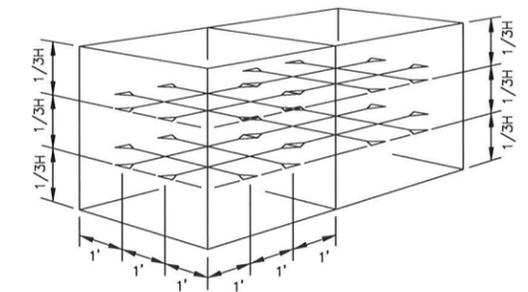
**BOULDER FLOW CONTROL PLACEMENT DETAIL**  
 NOT TO SCALE



**TYPICAL GABION STACKING AND FASTENING DETAIL**  
 NOT TO SCALE



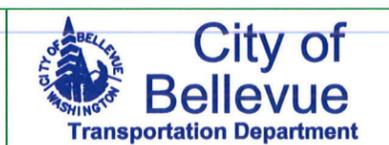
**TYPICAL STREAM SECTION WITH GABION WALL**  
 NOT TO SCALE



**TYPICAL GABION CONNECTING WIRE DETAILS**  
 NOT TO SCALE

NO.	DATE	BY	APPR.	REVISIONS

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PROJECT MANAGER	DATE	C. Masek	06/12
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	DATE	S. Costa	06/12
	DATE	CHECKED BY	DATE



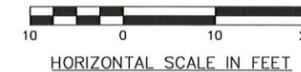
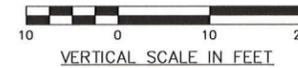
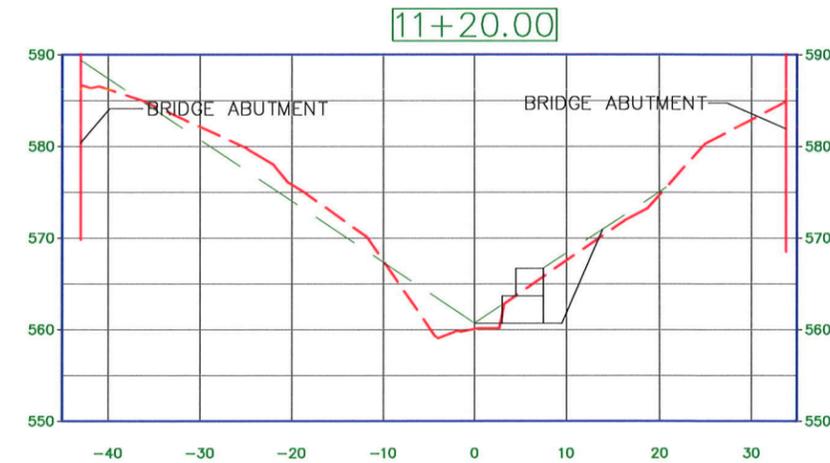
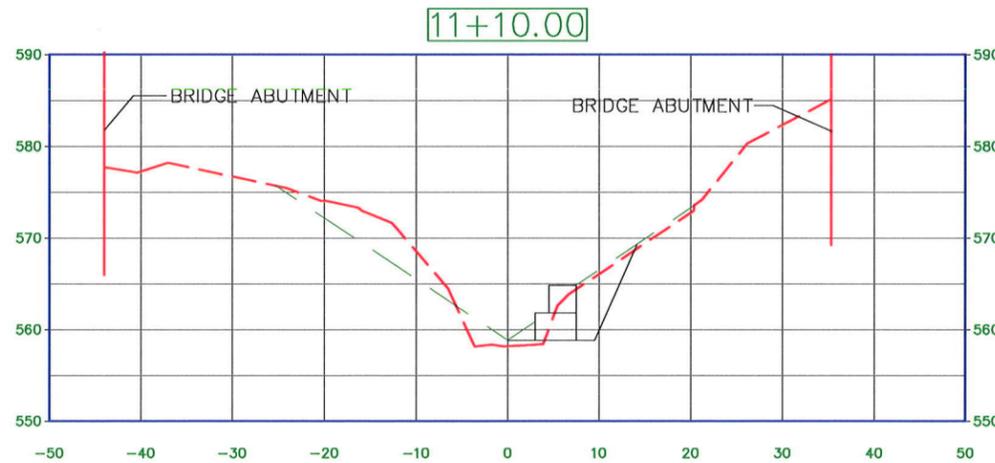
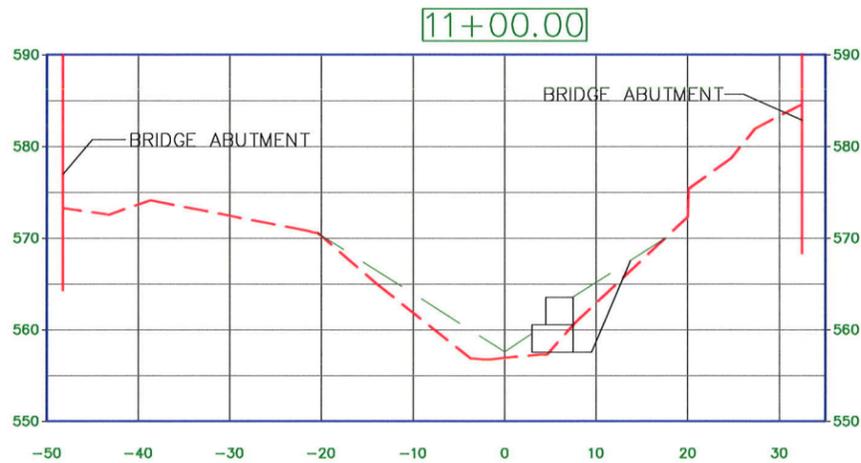
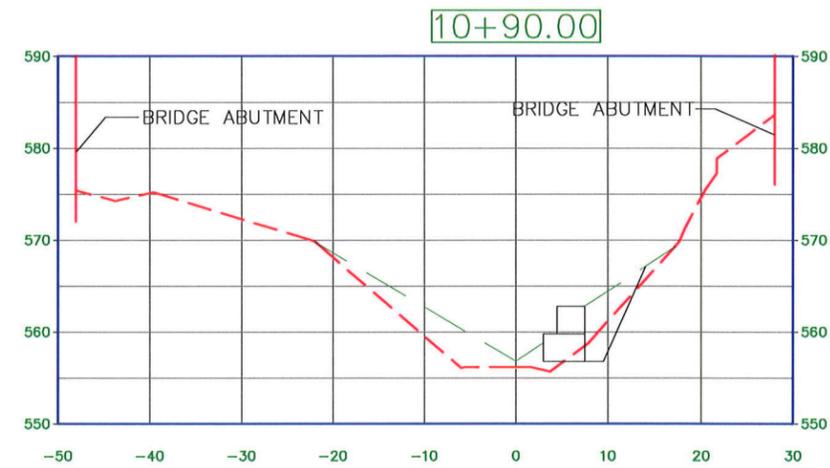
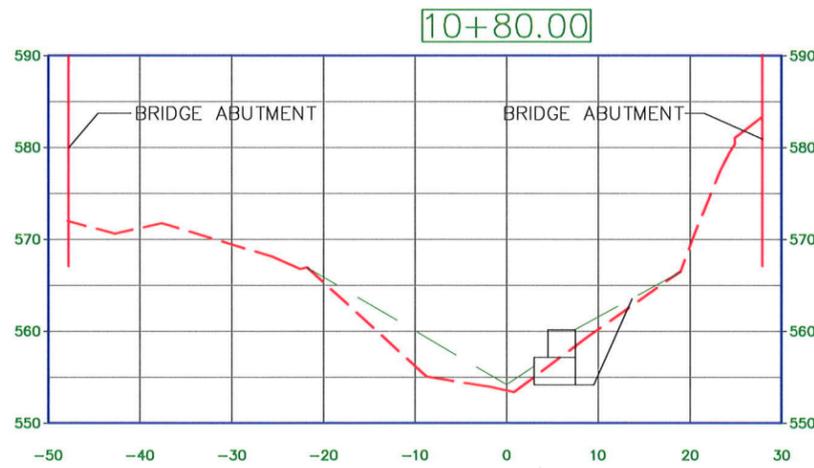
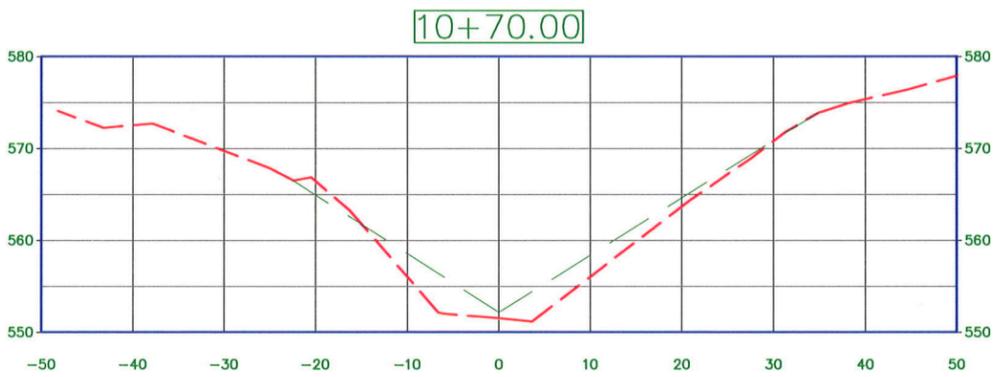
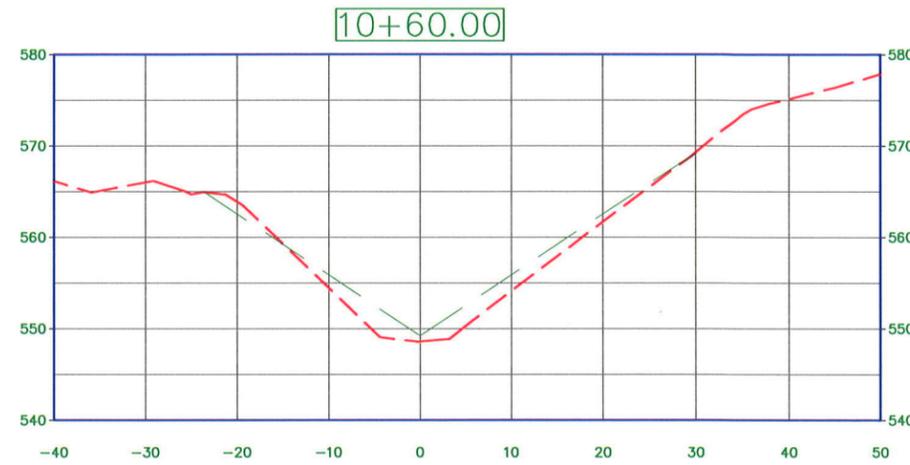
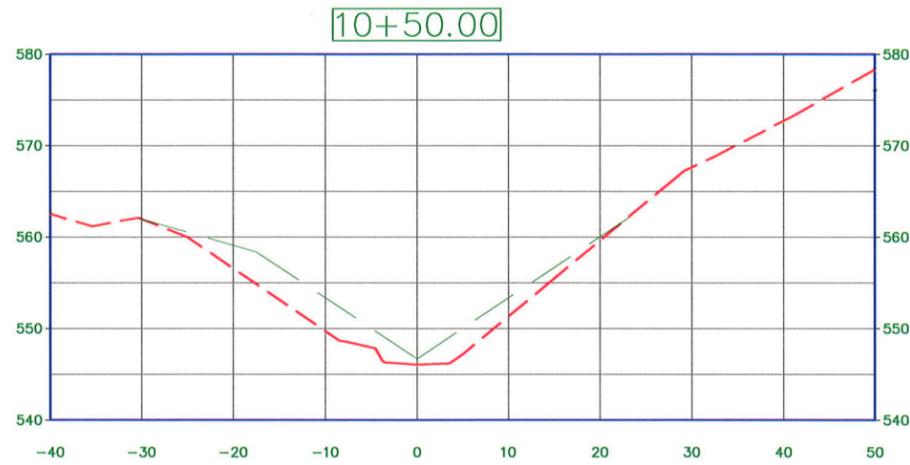
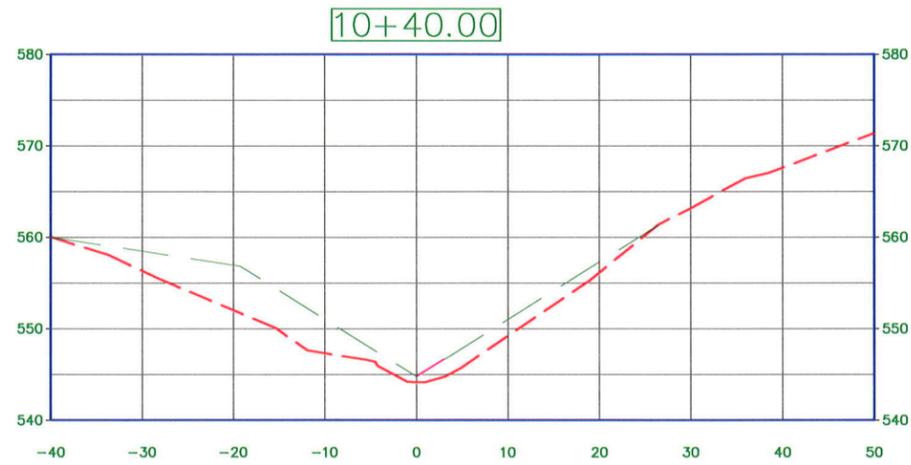
**LEWIS CREEK TRIBUTARY RESTORATION AT LAKEMONT BLVD SE**



To be developed later.

NO.	DATE	BY	APPR.	REVISIONS					

<b>Approved By</b>									
TRANSPORTATION DESIGN MANAGER	DATE	CM/SC	06/12	 <b>City of Bellevue</b> Transportation Department	<b>LEWIS CREEK TRIBUTARY RESTORATION AT LAKEMONT BLVD SE</b>	<b>LANE CLOSURE &amp; CONTROL PLAN</b>			
DESIGNED BY	DATE	C. Masek	06/12			SHT <u>5</u> OF <u>5</u>			
PROJECT MANAGER	DATE	S. Costa	06/12						
CHECKED BY	DATE								



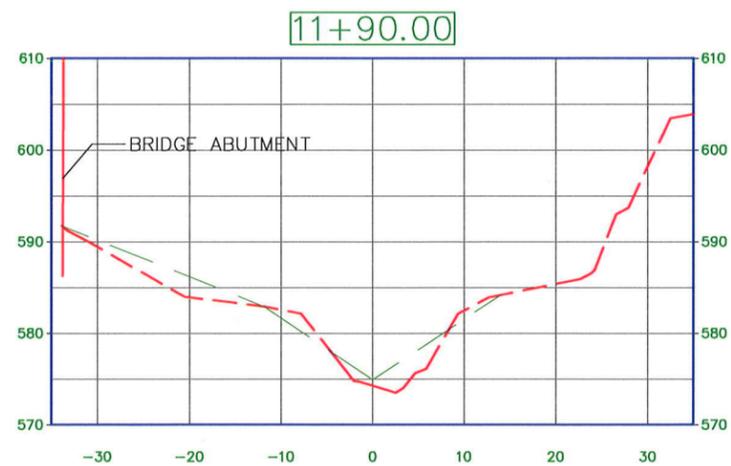
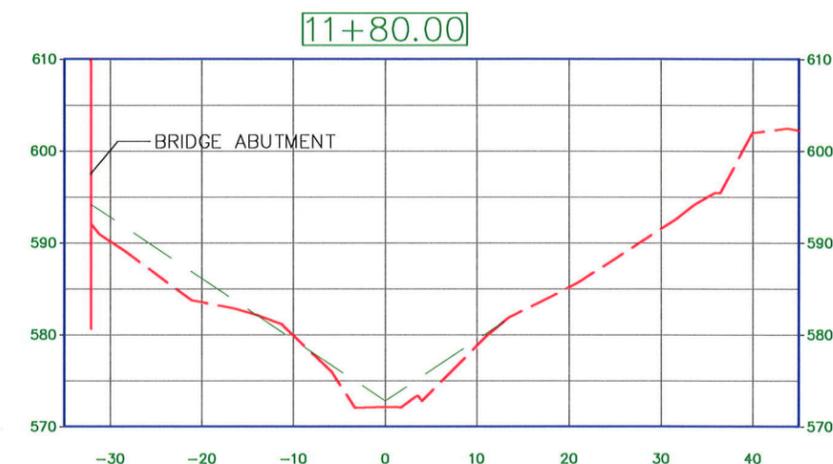
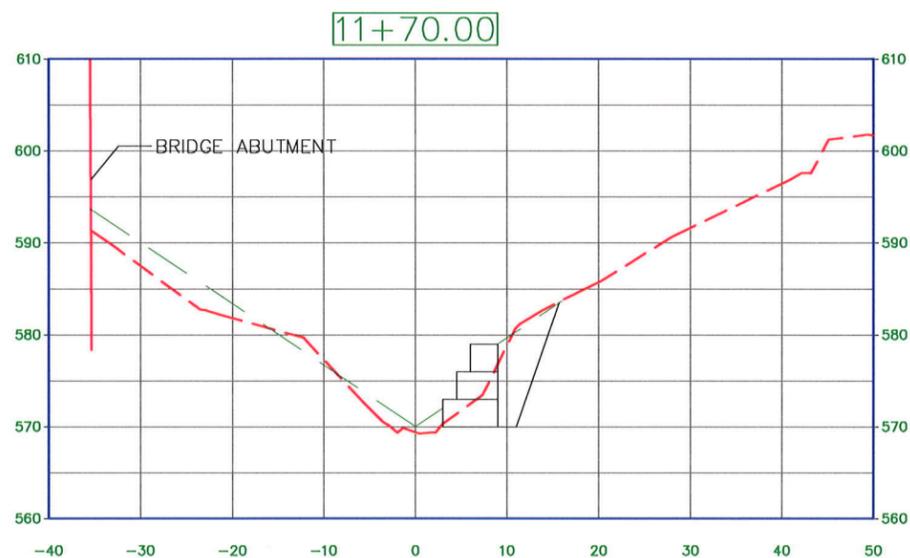
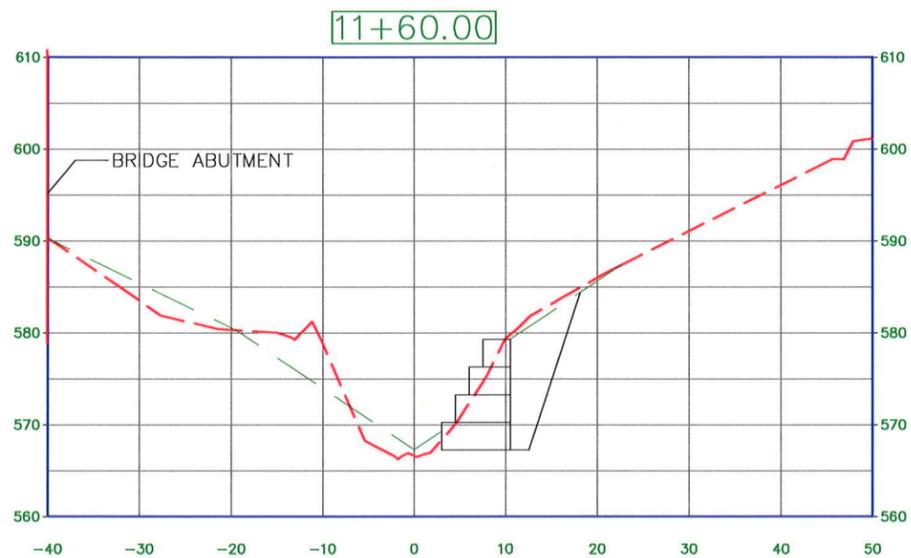
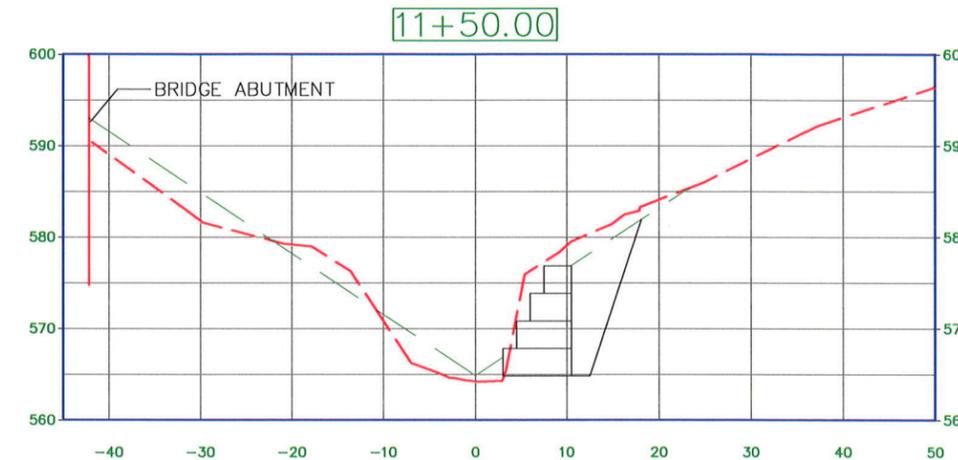
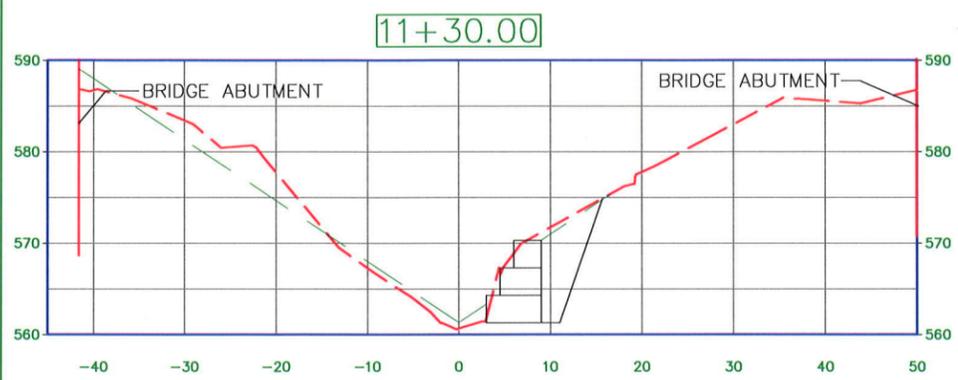
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TRANSPORTATION DESIGN MANAGER	DATE	DESIGNED BY	DATE
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**LEWIS CREEK RESTORATION AT LAKEMONT BLVD SE**

**CROSS SECTIONS**



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**LEWIS CREEK RESTORATION AT  
LAKEMONT BLVD SE**

CROSS SECTIONS