DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110TH AVENUE NE, P.O. BOX 90012
BELLEVUE, WA 98009-9012

DETERMINATION OF NON-SIGNIFICANCE

PROPONENT: City of Bellevue Utilities
LOCATION OF PROPOSAL: 501 W Lake Sammamish Pkwy NE

DESCRIPTION OF PROPOSAL: Application for a Clearing and Grading permit to remove and replace an existing stormwater pond retaining wall and remove accumulated sediment.

FILE NUMBER: 16-132094-GD

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Development Services Department. This information is available to the public on request.

☐ There is no comment period for this DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's office by 5:00 p.m. on _____.

☒ This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on August 25, 2016.

☐ This DNS is issued under WAC 197-11-340(2) and is subject to a 14-day comment period from the date below. Comments must be submitted by 5 p.m. on _____. This DNS is also subject to appeal. A written appeal must be filed in the City Clerk's Office by 5 p.m. on _____.

This DNS may be withdrawn at any time if the proposal is modified so as to have significant adverse environmental impacts; if there is significant new information indicating a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project); or if the DNS was procured by misrepresentation or lack of material disclosure.

Environmental Coordinator

8/11/16
Date

OTHERS TO RECEIVE THIS DOCUMENT:
☐ State Department of Fish and Wildlife / Stewart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
☐ State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
☐ Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
☐ Attorney General ecyolyef@atg.wa.gov
☐ Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us

SEPA Checklist Annotated by Nick Whipple on 7/21/2016

City of Bellevue Submittal Requirements	27

ENVIRONMENTAL CHECKLIST

10/9/2009

Thank you in advance for your cooperation and adherence to these procedures. 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).

INTRODUCTION
Purpose of the 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 City of Bellevue identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the City decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. 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." Giving 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 Planner in the Permit Center 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. Include reference to any reports on studies that you are aware of which are relevant to the answers you provide. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.

Use of a Checklist for Nonproject Proposals: *A nonproject proposal includes plans, policies, and programs where actions are different or broader than a single site-specific proposal.*

For nonproject proposals, complete the Environmental Checklist even though you may answer "does not apply" to most questions. In addition, complete the Supplemental Sheet for Nonproject Actions available from Permit Processing.

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.

Attach an 8 ½" x 11 vicinity map which accurately locates the proposed site.

BACKGROUND INFORMATION

Property Owner: City of Bellevue

Proponent: City of Bellevue

Contact Person: Vanaja Rajah P.E. Senior Utilities Engineer
(If different from the owner. All questions and correspondence will be directed to the individual listed.)

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

Phone: (425) 452-4881

Proposal Title: Site #19-Stormwater Dig and Repair

Proposal Location: 501 W. Lake Sammamish Parkway NE
(Street address and nearest cross street or intersection) Provide a legal description if available.
Parcel 7526900150
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: Replacement of retaining wall for existing stormwater detention pond, removal of accumulated sediment
2. Acreage of site: 0.22 acres
3. Number of dwelling units/buildings to be demolished: 0
4. Number of dwelling units/buildings to be constructed: 0
5. Square footage of buildings to be demolished: 0
6. Square footage of buildings to be constructed: 0
7. Quantity of earth movement (in cubic yards): 66 CY
8. Proposed land use: Stormwater Detention Pond for City of Bellevue Utilities Department
9. Design features, including building height, number of stories and proposed exterior materials:
   New wall will be a geogrid wall approximately 8 feet in height
10. Other

Estimated date of completion of the proposal or timing of phasing:

Construction shall take place between August 1st, 2016 and October 1st, 2016

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

No

NW 7/21/2016

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

A clearing and grading permit application has been prepared for the work that includes a Construction Stormwater Pollution Prevention Plan (CSWPP).

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.

No

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.

Clearing and Grading Permit Application is to filed concurrently with this SEPA application

Application date: 5/13/2016, file number 16-32094-GD

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)? Greater than 15%

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.

Gravelly sandy loam

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

No

NW 7/21/2016

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

The existing wall will be removed and replaced consisting of removal and replacement of approximately 42 CY of material. Approximately 22 CY of accumulated sediment from the pond will be removed.

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

No

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

0%

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

A stabilized construction entrance will be used to access the site, a Baker Tank will be used to remove sediment during the pond dewatering process, the roadway will be swept free of sediment daily.

Erosion Control per BCC 23.76

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.

Just exhaust from construction equipment

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:

None

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 man-made stream that flows to the pond eventually outfalls to Lake Sammamish approximately 500 feet downstream of the ssite

(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.

The project does require dewatering of the pond and a temporary bypass of the man-made stream.

NW 7/21/2016

(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 22 CY of accumulated sediment will be removed from the pond.

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

The existing man-made stream will require a bypass from the pond inlet to the pond outlet. The schedule has been chosen to complete work during the dry season thereby minimizing the quantity of diverted flow.

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

No

(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.

No

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.

No

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.

The existing man-made stream will require a bypass from the pond inlet to the pond outlet. The schedule has been chosen to complete work during the dry season thereby minimizing the quantity of diverted flow.

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

No

NW 7/21/2016

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

A stabilized construction entrance will be used to access the site, a Baker Tank will be used to remove sediment during the pond dewatering process, the roadway will be swept free of sediment daily.

Impacts minimized per BCC 23.76

4. Plants

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

- [x] deciduous tree: alder, maple, aspen, other
- [x] evergreen tree: fir, cedar, pine, other
- [x] shrubs
- [x] grass
- [ ] pasture
- [ ] crop or grain
- [x] wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- [x] water plants: water lily, eelgrass, milfoil, other
- [ ] other types of vegetation

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

A minimal amount of grassed area and small shrubs will be removed in order to allow construction equipment access to the wall location.

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

None

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

None

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:

- [x] Birds: hawk, heron, eagle, songbirds, other:
- [ ] Mammals: deer, bear, elk, beaver, other:
- [ ] Fish: bass, salmon, trout, herring, shellfish, other:

NW 7/21/2016

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

No

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

No

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

None

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.

None

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

No

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:

None

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.

No

(1) Describe special emergency services that might be required.

None

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

None

b. Noise

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

Heavy construction equipment will be used throughout the project (backhoe, dump truck ect.)

(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.

Noise associated with construction activity will temporarily occur. No long-term effects.

Use of any diesel, pneumatic, or gasoline-powered equipment that is not properly muffled or silenced is prohibited.

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

Working hours will be limited to those allowed by the City of Bellevue Municipal Code.

Sounds created by construction activity are limited to the hours between 7 a.m. to 6 p.m. on weekdays and 9 a.m. and 6 p.m. on Saturdays and prohibited on Sundays and other legal holidays (See BCC 9.18)

8. Land and Shoreline Use

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

The site is a stormwater detention pond. Adjacent parcels are single family residences.

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

No

c. Describe any structures on the site.

No

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

No

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

The current zoning is single family residential.

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

City-owned property for utility use

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.

No

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

Zero

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

Zero

NW 7/21/2016

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:

None

9. Housing

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

None

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

None

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

None

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?

None

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

None

NW 7/21/2016

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?

No

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

No

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

No

12. Recreation

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

Aquatic activities on Lake Sammamish

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

No

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

None

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.

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

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.

West Lake Sammamish Parkway runs along the site. The entrance to the site is off of this roadway.

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

Yes

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

None

NW 7/21/2016

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.

Less than one per week-City staff will periodically inspect the pond.

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.

While there are utilities in the adjacent street, there are not any on site.

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.

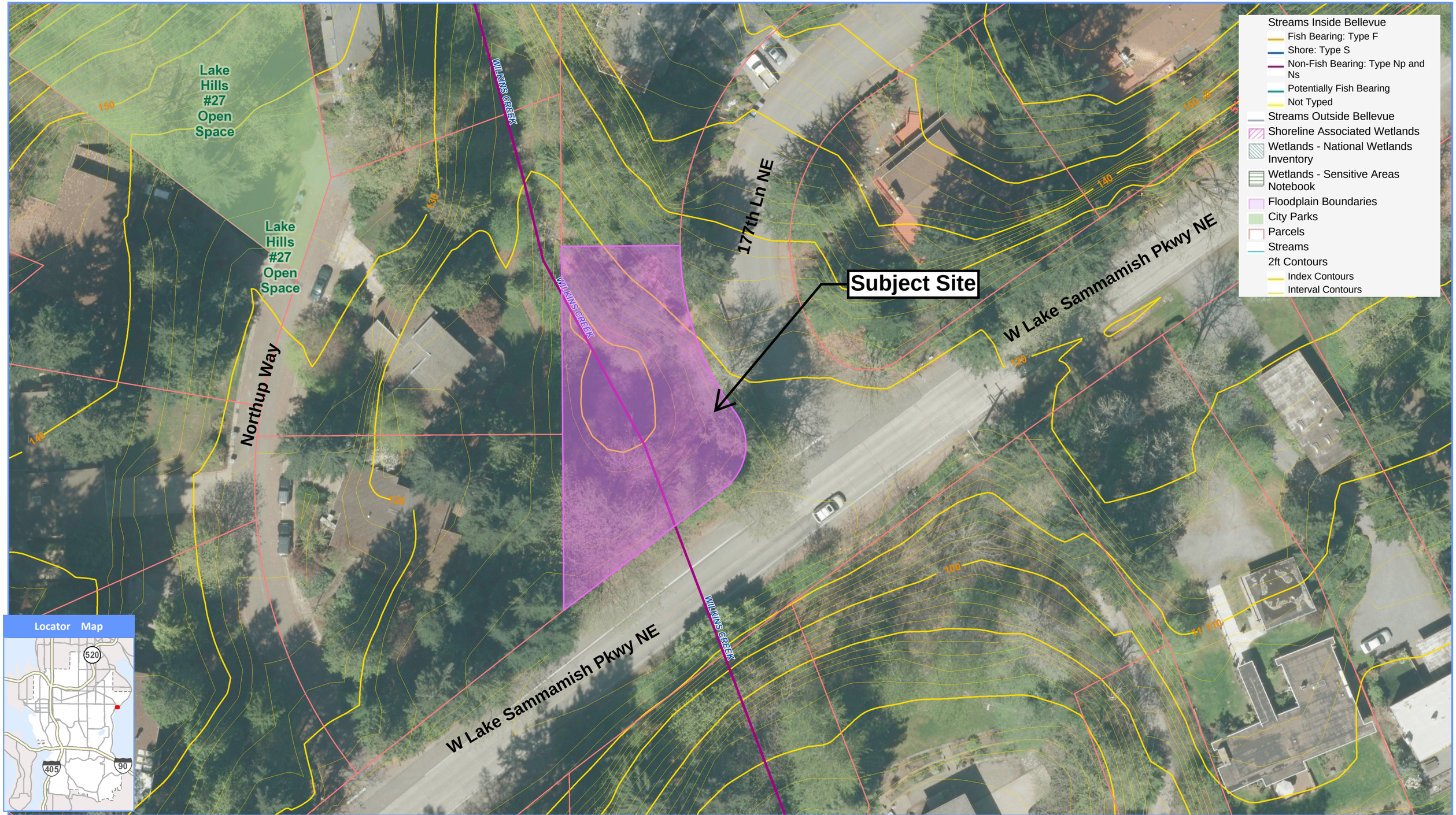
None

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..... P.E. .....Date Submitted..... 4/28/16

NW 7/21/2016



501 W. Lake Sammamish Pkwy NE

City of Bellevue Stormwater Pond Wall Replacement

0 40 80

Scale 1: 480 Feet

Map Generated on: 06/09/2016

The City of Bellevue does not guarantee that the information on this map is accurate or complete. This data is provided on an "as is" basis and disclaims all warranties.

CITY OF BELLEVUE

UTILITIES DEPARTMENT

STORM POND RETROFIT
501 WESTLAKE SAMMAMISH PARKWAY

MAYOR
JOHN STOKES

DEPUTY MAYOR
JOHN CHELMINIAK

CITY MANAGER
BRAD MIYAKE

UTILITIES DIRECTOR
NAV OTAL

CITY COUNCIL
CONRAD LEE
JENNIFER ROBERTSON
LYNNE ROBINSON
VANDANA SLATTER
KEVIN WALLACE

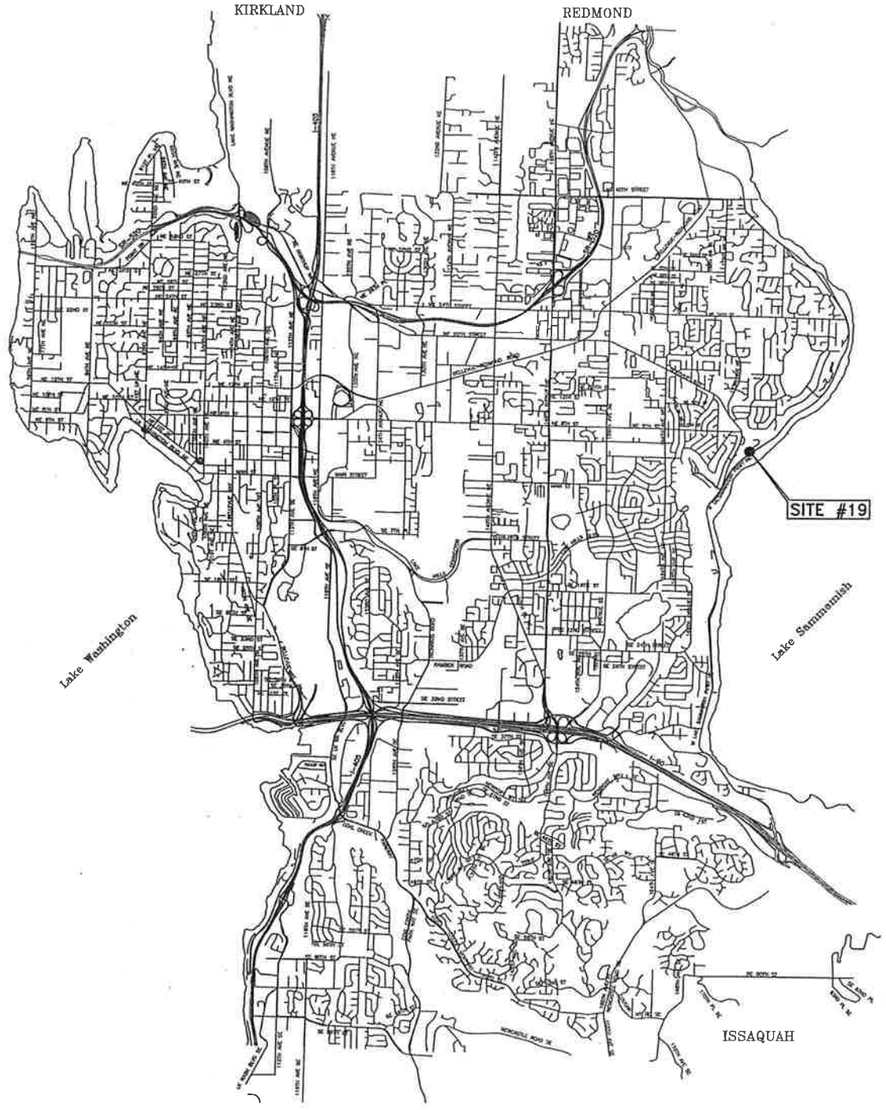
BUSINESS UNIT
NO. 281690093

BID NO. 14124

C.I.P. D-64

SHEET INDEX:

SHEET	TITLE
1	COVER SHEET
2	SITE #19 WO 366845
3	SITE #19 TRAFFIC CONTROL PLAN



PROJECT LOCATION MAP
NOT TO SCALE

PERMIT REVIEW SET-NOT FOR CONSTRUCTION

NO.	REVISION	DATE

PACE
An Engineering Services Company
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
p. 425.827.2014 | f. 425.827.5043
Civil | Structural | Planning | Surveying
paceengrs.com

JOHN RUSSELL FORD
STATE OF WASHINGTON
20442
REGISTERED
PROFESSIONAL ENGINEER

ROBIN D. NELSON
STATE OF WASHINGTON
32199
REGISTERED
PROFESSIONAL ENGINEER

CITY OF BELLEVUE / WASHINGTON

STORM POND RETROFIT
501 WEST LAKE SAMMAMISH PARKWAY
CITY OF BELLEVUE
COVER SHEET

SCALE:	DATE:
AS SHOWN	4/28/16
DESIGNED BY:	CHECKED BY:
JF	RN

JOB NUMBER
14429.00

DWG NAME:
P14429_CS 2

SHEET 1 OF 3

FILE NAME: P:\P14\14429 BELLEVUE DIG AND REPAIR\CAD\SHEETS\P14429_CS 2.DWG
SAVE TIME: 4/28/2016 2:29:57 PM
PLOT TIME: 4/28/2016 2:30:32 PM
USER NAME: DOUG FARRIS
XREF FILES: PACE34X22

SEQUENCE OF CONSTRUCTION:

1. ALL WORK WILL BE PERFORMED IN DRY CLIMATE BETWEEN MAY 1ST AND OCT. 1ST.
2. CONTRACTOR SHALL FURNISH GEOTEXTILE WALL SYSTEM SUBMITTALS INCLUDING ALL WALL MATERIALS AND BACKFILL TO CITY AND ENGINEER FOR APPROVAL.
3. CONTRACTOR SHALL ATTEND PER-CONSTRUCTION MEETING.
4. CONTRACTOR SHALL REMOVE ALL WATER FROM POND.
5. CONTRACTOR TO INSTALL TSEC BMPS AND HIGH VISIBILITY FENCE AT PERIMETER OF THE SITE.
6. CONTRACTOR TO REMOVE EXISTING SEDIMENT, SILT, DEBRIS AND EXISTING WALL.
7. CONTRACTOR SHALL EXCAVATE FOR NEW GEOTEXTILE WALL SYSTEM. EXCESS MATERIAL SHALL BE HAULED OFF SITE.
8. CONSULTANT GEOTECH SHALL INSPECT WALL BASE SUBGRADE BEFORE WALL CONSTRUCTION.
9. CONTRACTOR SHALL STAKE LOCATION OF NEW GEOTEXTILE RETAINING WALL.
10. CONTRACTOR SHALL OVEREXCAVATE AND INSTALL FOUNDATION MATERIAL AS DIRECTED BY CITY.
11. CONTRACTOR SHALL BUILD NEW GEOTEXTILE RETAINING WALL INCLUDING ALL NEW IMPORTED FILL MATERIAL.
12. CONTRACTOR SHALL SEED AND MULCH ALL DISTURBED AREAS.
13. CONTRACTOR SHALL REMOVE ANY EXCESS MATERIAL LEFT ON SITE THAT WAS USED FOR CONSTRUCTION. THIS INCLUDES CONSTRUCTION MATERIAL, EQUIPMENT AND ANY OTHER ITEMS OR FACILITIES USE DURING CONSTRUCTION.

GENERAL NOTES:

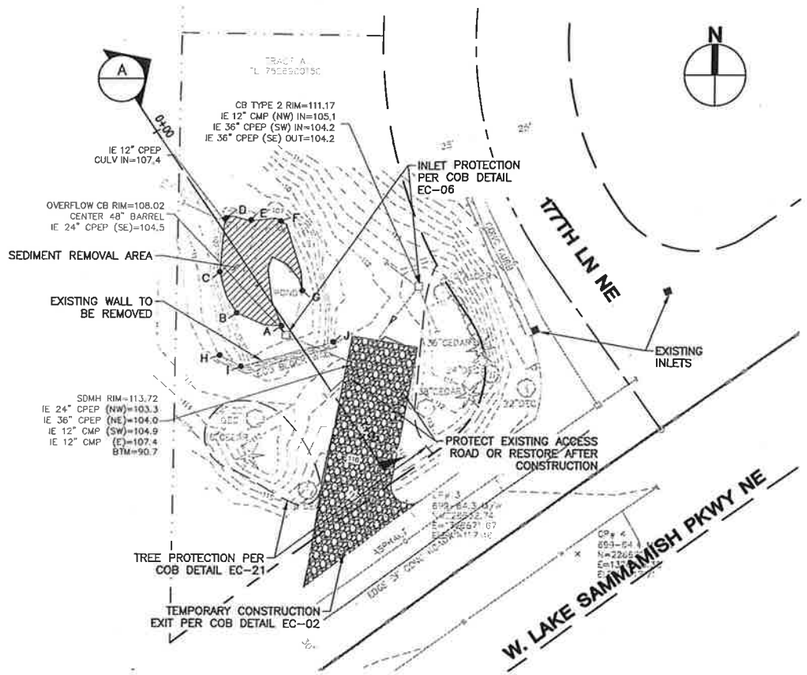
1. THIS PLAN FURNISHES THE CONCEPT AND INTENT OF THE RETAINING WALL REPLACEMENT. THE CONTRACTOR SHALL FURNISH THE PROPOSED GEOTEXTILE RETAINING WALL SYSTEM INCLUDING; MANUFACTURE AND WALL DETAILS (WALL BATTER, BASE WIDTH, BACK SLOPE, WALL FILL MATERIAL, TOE EMBEDMENT, SHOTCRETE MATERIAL AND THICKNESS, AND ANY OTHER DETAILS). SEE GEOTECHNICAL DESIGN PARAMETERS UNDER APPENDIX _ IN CONTRACT SPECIFICATIONS.
2. ALL DESIGN SUBMITTALS SHALL BE STAMPED AND SIGNED BY THE CONTRACTORS LICENSED STATE OF WASHINGTON CIVIL OR STRUCTURAL ENGINEER.
3. ACCEPTABLE GEOTEXTILE RETAINING WALL SYSTEM MANUFACTURES INCLUDE; TENCATE MIRAFI AND TENSAR SIERRASCAPE. SEE TECHNICAL SPEC & SPECIAL PROVISIONS FOR GRAVEL BORROW WALL FILL MATERIAL.
4. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF BELLEVUE (COB) AND THE PROJECT SPECIFICATIONS.
5. CONSTRUCTION OF DEWATERING (GROUNDWATER) SYSTEMS SHALL BE IN ACCORDANCE WITH THE COB STANDARD SPECIFICATIONS. DURING EXCAVATION, EXCAVATIONS SHALL BE KEPT FREE OF WATER. THE CONTRACTOR SHALL CONTROL SURFACE RUN-OFF SO AS TO PREVENT ENTRY OR COLLECTION OF WATER IN EXCAVATIONS. THE STATIC WATER LEVEL WITHIN THE EXCAVATION SHALL BE DRAWN DOWN A MINIMUM OF 1 FOOT BELOW THE BOTTOM OF THE EXCAVATION SO AS TO MAINTAIN THE UNDISTURBED STATE OF THE FOUNDATION SOILS AND ALLOW ACCEPTABLE PLACEMENT OF ANY BEDDING OR BACKFILL TO THE REQUIRED DENSITY.

   THE CONTRACTOR SHALL FURNISH, INSTALL, AND OPERATE ALL NECESSARY EQUIPMENT TO KEEP EXCAVATIONS FREE FROM WATER DURING CONSTRUCTION. DEWATERING SYSTEMS SHALL BE CONTRACTOR DESIGNED AND OPERATED SO AS TO PREVENT ANY REMOVAL OR FLOWING OF NATIVE SOILS. DISPOSAL OF THE WATER SHALL NOT CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, OR NUISANCE TO THE PUBLIC AND SHALL BE APPROVED BY COB. DISCHARGE TO THE COB STORM DRAIN SYSTEM SHALL MEET STATE ECOLOGY TURBIDITY REQUIREMENTS. SUFFICIENT PUMPING AND POWER EQUIPMENT IN GOOD WORKING CONDITION SHALL BE AVAILABLE AT ALL TIMES.
6. EXCAVATION, TRENCHING AND SHORING FOR ALL UTILITY WORK EXISTING AND NEW SHALL BE IN ACCORDANCE WITH CHAPTER 296-155 WAC PART N OF THE STATE OF WASHINGTON LABOR AND INDUSTRIES SAFETY AND HEALTH, AND WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (RCW CHPTR. 49.17). THE CONTRACTOR'S TRENCH SAFETY SYSTEM SHALL BE A PROTECTIVE SYSTEM DESIGNED AND MAINTAINED BY A COMPETENT PERSON AND SHALL MEET ACCEPTED ENGINEERING REQUIREMENTS OR PRACTICES. THIS TRENCH SAFETY SYSTEM MAY REQUIRE THE USE OF A SUPPORT SYSTEM IN LOCATIONS NOT DESIGNATED IN THE CONTRACT AS REQUIRING A SUPPORT SYSTEM.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, CONFINED SPACE PROTECTION, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT. ALL SECTIONS OF THE COB STANDARD SPECIFICATIONS, TRAFFIC CONTROL. THE CITY STANDARDS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL APPLY.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) OR AS MODIFIED BY THE TRAFFIC ENGINEER. ALL WORK REQUIRING LANE CLOSURES MUST BE PRE-APPROVED. FIRE, PEDESTRIAN, BICYCLE, AND VEHICULAR ACCESS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT WHEN CONTRACTOR HAS PERMISSION TO CLOSE AN ACCESS. PEDESTRIAN ACCESS MUST BE MAINTAINED IN ACCORDANCE WITH ADA REQUIREMENTS DURING ANY SIDEWALK CLOSURES. IF THE TEMPORARY TRAFFIC CONTROLS INVOLVE COUNTY OR CITY ROADS, CONTRACTOR SHALL CONTACT THE APPROPRIATE PUBLIC WORKS DEPARTMENT.

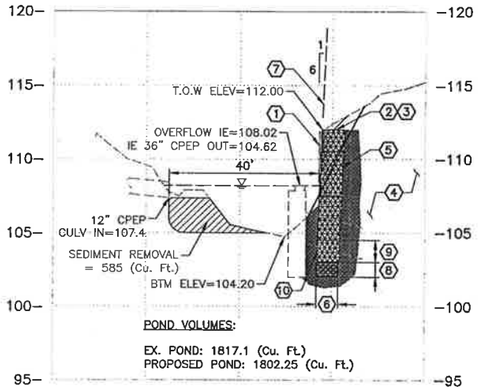
COORDINATE TABLES:

SEDIMENT REMOVAL AREA			
POINT	NORTHING	EASTING	ELEVATION
A	226684.02	1326635.81	105.00
B	226687.53	1326623.74	105.33
C	226698.67	1326619.01	107.88
D	226713.37	1326623.65	107.36
E	226713.86	1326627.35	107.75
F	226712.61	1326635.33	106.20
G	226693.66	1326641.26	105.00

EXISTING TOE OF WALL			
POINT	NORTHING	EASTING	ELEVATION
H	226675.97	1326619.16	110.95
I	226672.93	1326625.02	109.57
J	226679.74	1326649.69	110.90



PLAN



SECTION A-A

UTILITY CONFLICT NOTE:

CAUTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT THE ENGINEER TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

EROSION CONTROL NOTES:

1. ALL CLEARING & GRADING CONSTRUCTION MUST BE IN ACCORDANCE WITH CITY OF BELLEVUE (COB) CLEARING & GRADING CODE, CLEARING & GRADING DEVELOPMENT STANDARDS, LAND USE CODE, UNIFORM BUILDING CODE, PERMIT CONDITIONS, AND ALL OTHER APPLICABLE CODES, ORDINANCES, AND STANDARDS. THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THESE REQUIREMENTS. ANY VARIANCE FROM ADOPTED EROSION CONTROL STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY OF BELLEVUE DEVELOPMENT SERVICES (DSD) PRIOR TO CONSTRUCTION.
2. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
3. A COPY OF THE APPROVED PLANS AND DRAWINGS MUST BE ON-SITE DURING CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR OBTAINING ANY OTHER REQUIRED OR RELATED PERMITS PRIOR TO BEGINNING CONSTRUCTION.
4. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
7. ALL LOCATIONS OF EXISTING UTILITIES HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD, THEREFORE, BE CONSIDERED ONLY APPROXIMATE AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS AND TO DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
8. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
9. CLEARING SHALL BE LIMITED TO THE AREAS WITHIN THE APPROVED DISTURBANCE LIMITS. EXPOSED SOILS MUST BE COVERED AT THE END OF EACH WORKING DAY WHEN WORKING FROM OCTOBER 1ST THROUGH APRIL 30TH. FROM MAY 1ST THROUGH SEPTEMBER 30TH, EXPOSED SOILS MUST BE COVERED AT THE END OF EACH CONSTRUCTION WEEK AND ALSO AT THE THREAT OF RAIN.
10. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
11. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT.
12. THE CONTRACTOR MUST MAINTAIN A SWEEPER ON SITE DURING EARTHWORK AND IMMEDIATELY REMOVE SOIL THAT HAS BEEN TRACKED ONTO PAVED AREAS AS RESULT OF CONSTRUCTION.
13. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
14. ANY EXCAVATED MATERIAL REMOVED FROM THE CONSTRUCTION SITE AND DEPOSITED ON PROPERTY WITHIN THE CITY LIMITS MUST BE DONE IN COMPLIANCE WITH A VALID CLEARING & GRADING PERMIT. LOCATIONS FOR THE MOBILIZATION AREA AND STOCKPILED MATERIAL MUST BE APPROVED BY THE CLEARING AND GRADING INSPECTOR AT LEAST 24 HOURS IN ADVANCE OF ANY STOCKPILING.
15. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT.
16. FINAL SITE GRADING MUST DIRECT DRAINAGE AWAY FROM ALL BUILDING STRUCTURES AT A MINIMUM 5% SLOPE, PER THE INTERNATIONAL RESIDENTIAL CODE (IRC) R401.3.
17. TEMPORARY SETTLEMENT TANKS SHALL BE PROVIDED TO DEWATER THE STORM POND. ALLOW 60 MINUTES OF RESIDENCE TIME WITHOUT INFLOW OR OUTFLOW PRIOR TO DISCHARGING. FILL AND EMPTY EACH TANK SEPARATELY. SAMPLE EFFLUENT FOR CONFORMANCE WITH KING COUNTY STANDARDS PRIOR TO DISCHARGE. LOCATION TBD BY CONTRACTOR AND APPROVED BY COB.

KEYED NOTES:

(1) EXISTING WALL TO BE REMOVED.

(2) NEW GEOTEXTILE RETAINING WALL SYSTEM.

(3) TOP OF NEW WALL ELEV= 112.00, MATCH EXISTING WALL ELEVATION. DAYLIGHT GRADE AT MAX 4:1 SLOPE

(4) EXISTING NATIVE MATERIAL.

(5) BACKSLOPES AND LIMIT OF EXCAVATION FOR NEW WALL. THIS DETAIL SHALL BE SHOWN WITH DIMENSIONS ON THE CONTRACTOR'S SUBMITTAL DRAWING.

(6) NEW WALL BASE WIDTH. THIS DETAIL SHALL BE SHOWN WITH DIMENSIONS ON THE CONTRACTOR'S SUBMITTAL DRAWING.

(7) FACE OF WALL BATTER, 6V:1H IS SHOWN, BUT MIGHT VARY DEPENDING UPON WALL MFG. THIS DETAIL SHALL BE SHOWN WITH DIMENSIONS ON THE CONTRACTOR'S SUBMITTAL DRAWING.

(8) OVER EXCAVATION AND FOUNDATION MATERIAL FILL INCLUDING FABRIC. SEE PROJECT MANUAL FOR BACKFILL SPECIFICATIONS. THIS DETAIL SHALL BE SHOWN WITH DIMENSIONS ON THE CONTRACTOR'S SUBMITTAL DRAWING.

(9) WALL TOE EMBEDMENT. THIS DETAIL SHALL BE SHOWN WITH DIMENSIONS ON THE CONTRACTOR'S SUBMITTAL DRAWING.

(10) FACE OF WALL TOE EMBEDMENT SHALL ALIGN WITH FACE OF EXISTING RETAINING WALL. CONTRACTOR TO APPLY SHOTCRETE (CEMENT BASED) TO FACE OF WALL BELOW ELEV. 109, MINIMUM 1½" THICK.

VERT. 0 2.5 5 10 Scale In Feet

HORIZ. 0 10 20 40 Scale In Feet

PERMIT REVIEW SET-NOT FOR CONSTRUCTION

CALL BEFORE YOU DIG 811 UNDERGROUND SERVICE (USA)

NO.	SYM.	REVISION	DATE

PACE
An Engineering Services Company
11255 Kirkland Way Suite 300
Kirkland, WA 98033
p. 425.827.2014 | f. 425.827.5043
Civil | Structural | Planning | Survey
paceengrs.com

JOHN RUSSELL FORD, STATE OF WASHINGTON, 50442, REGISTERED PROFESSIONAL ENGINEER

ROBIN D. NELSON, STATE OF WASHINGTON, 36199, REGISTERED PROFESSIONAL ENGINEER

CITY OF BELLEVUE / WASHINGTON

STORM POND RETROFIT
501 WEST LAKE SAMMAMISH PARKWAY
CITY OF BELLEVUE
SITE #19 WO 366845

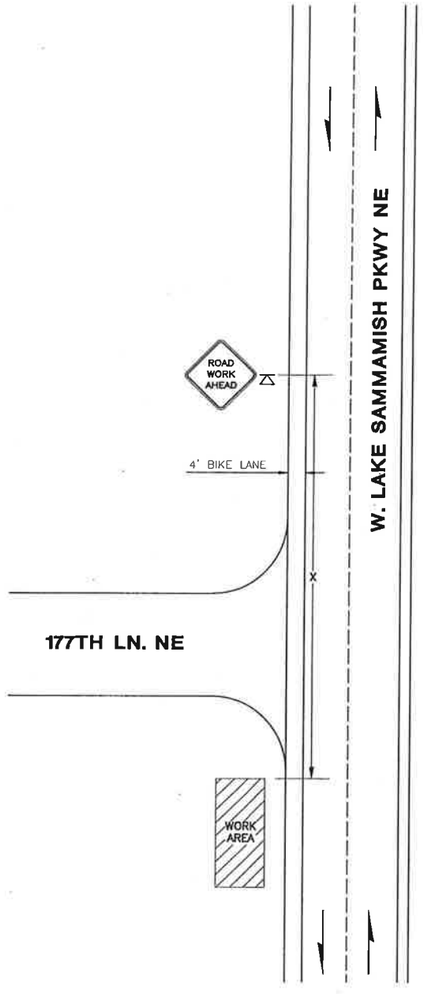
SCALE:	DATE:
1" = 20'	4/28/16
DESIGNED BY:	CHECKED BY:
JF	RN

JOB NUMBER 14429.00

DWG NAME: P14429_SD10

SHEET 2 OF 3

FILE NAME: P:\P14\14429 BELLEVUE DIG AND REPAIR\CAD\SHEETS\P14429_SD10.DWG
SAVE TIME: 4/28/2016 2:29:46 PM
PLOT TIME: 4/28/2016 2:29:33 PM
USER NAME: ROBIN NELSON
XREF FILES: DNBPLT, DNBPLT, X14429_SITE19, 14429-00-11-SRV, X14429_TB



WORK BEYOND SHOULDER
NTS

SIGN SPACING = X (feet)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.

(2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

(3) EXISTING SPEED LIMIT ALONG WEST LAKE SAMMAMISH PARKWAY NE IS 35 MPH

(4) CONTRACTOR SHALL ACCESS THE WORK SITE ONLY FROM SOUTH AND NO U-TURN ALONG WEST LAKE SAMMAMISH PARKWAY NE IS ALLOWED.

(5) ANY TIME CONTRACTOR BACKS INTO WEST LAKE SAMMAMISH PARKWAY NE, FLAGGERS SHALL BE PRESENT AT ALL THREE LOCATIONS SHOWN.

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH B (FEET)	155	200	250	305	360	425	495	570	645	730

LEGEND

FLAGGING STATION

SIGN LOCATION

CHANNELIZING DEVICES

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

FILE NAME: P:\P14\14429 BELLEVUE DIG AND REPAIR\CAD\SHEETS\P14429_SD10.DWG
SAVE TIME: 4/28/2016 2:29:45 PM
PLOT TIME: 4/28/2016 2:33 PM
USER NAME: DOUG HARRIS
XREF FILES: DNSPLT, DNSPLT, X14429_SITE19, 14429-00-11-SRV, X14429_TB,

PERMIT REVIEW SET—NOT FOR CONSTRUCTION

CALL BEFORE YOU DIG 811
UNDERGROUND SERVICE (USA)

DATE | REVISION | SYM

PACE
An Engineering Services Company
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
p. 425.827.2014 | f. 425.827.5043
Civil | Structural | Planning | Survey
paceengrs.com

JOHN RUSSELL FORSA
STATE OF WASHINGTON
50442
REGISTERED
PROFESSIONAL ENGINEER

ROBIN D. NELSON
STATE OF WASHINGTON
53199
REGISTERED
PROFESSIONAL ENGINEER

CITY OF BELLEVUE / WASHINGTON

STORM POND RETROFIT
501 WEST LAKE SAMMAMISH PARKWAY
CITY OF BELLEVUE
SITE #19 TRAFFIC CONTROL PLAN

SCALE:	DATE:
AS SHOWN	4/28/16
DESIGNED BY:	CHECKED BY:
JF	RN

JOB NUMBER
14429.00
DWG NAME:
P14429_SD10
SHEET 3 OF 3