Sound Transit Geotechnical Borings
Mercer Slough Subpackage A
13-106776-LO

SOUND TRANSIT

February 7, 2013

David Pyle
Senior Land Use Planner
City of Bellevue
P.O. Box 90012
Bellevue, WA 98009-9012

Dear Mr. Pyle:

Sound Transit is pleased to submit this application for a Critical Areas Land Use Permit (Land Use Permit) to the City of Bellevue (the City) in accordance with LUC 20.25. The enclosed Land Use Permit application is in support of design of Sound Transit's East Link Extension Light Rail Project (Project). The work proposed in this application is included under the definition of an essential public facility [RCW 36.70A.200 (1)] and is included as an allowed activity (New or Expanded Essential Public Facilities) per LUC 20.25H.055.

This application provides details for four (4) exploratory geotechnical borings proposed within the Mercer Slough Complex. These geotechnical borings are key components of the critical path for design of the Project. The Project was chosen by the Sound Transit Board, The Federal Transit Administration (FTA), and the Washington State Department of Transportation (WSDOT) through a Record of Decision (ROD) on November 17, 2011. In addition, the City and Sound Transit have signed a Memorandum of Understanding (MOU) to work cooperatively towards completing the Project in the most efficient manner possible.

The items included as part of this application are as follows:

1. A summary of how the proposed work meets the performance standards listed in LUC 20.25H.055(B) – (See "Critical Areas Land Use Permit Application Performance Standard Summary")
2. A detailed map identifying all locations where drilling may occur within critical areas as defined by LUC 20.25H.025 – (See Attachment A)
3. A restoration plan that meets the requirements of LUC 20.25H.220.H. – (See Attachment C)

Approval of this Land Use Permit application is critical to Sound Transit's progression of final design for the Project and ensuring the Project stays on schedule and within budget.

We look forward to your determination on this application.

Sincerely,

Terry Beals
Sound Transit Permits Administrator

Enclosures

c: Ellie Ziegler, Joel Theodore, DOCC (East Link: Segment E330)

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Pierce County Executive

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Joni Earl

Central Puget Sound Regional Transit Authority • Union Station
401 S. Jackson St., Seattle WA 98104-2826 • 206-398-5000 • 1-800-201-4900 • www.soundtransit.org

05/31/2012

CRITICAL AREAS LAND USE PERMIT

_____ **Critical Areas Land Use Permit**: Authorization to disturb, develop or otherwise modify a critical area, critical area buffer, or critical area structure setback as allowed under prescribed standards outlined in *Land Use Code* section 20.25H. Includes applications for reasonable use or for uses or development otherwise allowed in critical areas. **(LO)**

_____ **Critical Areas Land Use Permit With Critical Areas Report**: Authorization to disturb, develop or otherwise modify a critical area, critical area buffer, or critical area structure setback using the critical areas report process. **(LO)**

Site Address:		**Date:**
FOR OFFICE USE ONLY: This section to be completed prior to application submittal by the planner in the Development Services.		
Planner:_____ ☐ Allowed use or development ☐ Structure setback modification ☐ Critical area buffer averaging ☐ Modification of critical area, critical area buffer, or critical area structure setback via Critical Areas Report ☐ Modification of performance standards for habitat for species of local importance via Critical Areas Report ☐ Reasonable use Comments:	☐ Stream ☐ Wetland ☐ Geologic Hazard Area ☐ Area of Special Flood Hazard ☐ Habitat Associated with Species of Local Importance ☐ Critical Areas offsite within 100 feet ☐ Shoreline	*Check below if applicable*: ☐ SEPA Review ☐ Includes Shoreline Permit

APPLICATION DOCUMENTS: Submit the document copies specified for your application type.

Initial for waiver		**Critical Areas Land Use Permit**	**Critical Areas Land Use Permit With Critical Areas Report**
	This Chart	1	1
	Application	1	1
	"Bill To" Form	1	1
	Boundary & Topographic Survey	2	2
	Site Plan B Including Delineated Critical Areas, Critical Areas Buffers, Critical Areas Structure Setbacks, and Complete Tree Inventory, and Flood Plain Base Flood Elevation	2	2
	Narrative Description (See Footnote A)	2	
	Critical Areas Report (Includes Narrative Description – See Footnote A)		2

		Critical Areas Land Use Permit	Critical Areas Land Use Permit With Critical Areas Report
	Geotechnical Study	2	2
	Wetland Study	2	2
	Wetland Rating Forms	2	2
	Stream Study	2	2
	Vegetation Management Plan	2	2
	Habitat Assessment	2	2
	Mitigation, Restoration, or Enhancement Plan	2	2
	Electronic Documents on CD	1	1
	Environmental Checklist	2	2
	Other Requirements	Information submitted in support of modification of a critical area, buffer, setback or performance standard may be subject to confirmation by the City at additional cost to the applicant. Landscape Installation and Maintenance Assurance Device may be required as part of underlying permit approval.	
	Fees	Permit Processing provides current fee information (425-452-4898). Fees are due at submittal; additional fees may be due in monthly billings.	

Footnotes

[A] Provide a narrative describing the project that includes the following (all are required unless not applicable and waived by an Environmental Planner):

- A description of the project site, including landscape features, existing development, and site history as applicable.
- A description of how the design constitutes the minimum necessary impact to the critical area.
- A description of why there is no feasible alternative with less impact to the critical area, critical area buffer, or critical area structure setback.
- A description of alternatives considered and why the alternative selected is preferred.
- A summary of how the proposal meets each of the decision criteria contained in *Land Use Code* Section 20.30P.
- A summary of how the proposal meets each of the criteria and performance standards contained in *Land Use Code* Section 20.25H associated with the critical area you are modifying.
- A summary of how the proposal meets each of the criteria contained in *Land Use Code* Section 20.25H.230 as required for applications proposing a modification through the use the Critical Areas Report process.

Please Note

The property owner bears the responsibility for the accuracy and completeness of all information provided with or affecting the application submittal.

If the property contains or is adjacent to Critical Areas: streams, wetlands, geohazard areas, floodplains, lakes, ponds, or other water resources, and coal mine hazard areas, additional information may be required.

Critical area information may be subject to confirmation by the City at **additional cost** to the applicant. See a planner for details.

The city may require additional information as needed. If you have any questions concerning your application submittal, visit or call Development Services (425-452-6800) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 a.m. to 4 p.m.).

The city will provide reasonable assistance with physical access, communication, or other needs related to a disability. Assistance for the hearing impaired: Dial 711.

Fees

Fees are based on the published hourly rate and fee schedule adopted at the time of application submittal. Application submittal requires a minimum fee deposit. Billing is based on time spent in review of and in response to the applicant request and is reflective of the quality of the application submittal items.

Critical Areas Land Use Application Required Application Documents Summary

Application Documents	Critical Areas Land Use Permit (Included/Not Applicable)	Location in Application
City Supplied Submittal Chart	Included	See Pages 1 and 2
Application	Included	See Page 4
"Bill To" Form	Included	See Pages 5 and 6
Boundary & Topographic Survey	Included	Included in Site Plan B
Site Plan B Including Delineated Critical Areas, Critical Areas Buffers, Critical Areas Structure Setbacks, and Complete Tree Inventory, and Flood Plain Base Flood Elevation	Included	See Attachment A
Narrative Description (See Footnote A of Submittal Chart)	Included	Not Applicable
Critical Areas Report (Includes Narrative Description)	Not Required	Not Applicable
Geotechnical Study	Not Included	Please refer to the East Link Project FEIS, July 2011, Section 4.11 and Appendix F4.11 for Geotechnical Study Information
Wetland Study	Not Included	Please refer to the East Link Project FEIS, July 2011, Section 4.8 and Appendix H3 for Wetland Study Information
Wetland Rating Forms	Not Included	Wetland Rating Forms can be found on City of Bellevue Public Website
Stream Study	Not Included	Please refer to the East Link Project FEIS, July 2011, Section 4.9 and Appendix H3 for Stream Study Information
Vegetation Management Plan	Not Included	Not Applicable
Habitat Assessment	Not Included	Please refer to the East Link Project FEIS, July 2011, Section 4.8 and Appendix H3 for Wetland Study Information
Mitigation, Restoration, or Enhancement Plan	Included	See Attachment C for Restoration Plan for geotechnical borings.
Electronic Documents on CD	Included	See CD
Environmental Checklist	Not Included	This work is SEPA exempt as identified under WAC 197-11-800(17) and under the provisions of BCC 22.20.032.D.

FEIS = Final Environmental Impact Statement

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Development Services
Permit Processing 425-452-4898

Application for LAND USE APPROVAL

APPLICATION DATE	TECH	CIP PROJ #	PROJECT FILE #
☐ Administrative Conditional Use-LA ☐ Boundary Line Adjustment-LW ☐ Planned Unit Development-LK ☐ Planned Unit Dev Combined w/Plat-LK ☐ Conditional Use-LB ☐ Conditional Use Shoreline Mgmt-WA/WG ☐ Design Review-LD ☐ Final Plat-LG	☐ Binding Site Plan-LF ☐ Final Short Plat-LF ☐ Land Use Approval Amendment-LI ☐ Land Use Exemption-LJ ☐ Critical Land Use Permit Admin-LO ☐ Preliminary Plat-LL ☐ Antenna no Building Permit w/SEPA-CA		☐ Preliminary Short Plat-LN ☐ Preliminary SEPA Review-LM ☐ Shoreline Development-WG ☐ Shoreline Exemption w/o SEPA-WD ☐ Shoreline Exemption w/SEPA-WE ☐ Shoreline Variance-WF ☐ Variance-LS

NOTICE OF COMPLETENESS: Your application is considered complete 29 days after submittal, unless otherwise notified.

1. **Property Address** 2820 Bellevue Way SE
   Project Name (if applicable) East Link Extension Zoning Parks
2. **Applicant** Sound Transit Tax Assessor # 7000100445
   Address 401 S. Jackson St. Phone (206) 398-5000
3. **Contact Person** Terry Beals City, State, Zip Seattle, WA 98104
   E-Mail Address terry.beals@soundtransit.org Phone (206) 398-5237
   Address 401 S. Jackson St. FAX # ( ) City, State, Zip Seattle, WA 98104
4. **Engineer/Architect/Surveyor** Alison Sparks
   Address 401 S. Jackson St. Phone (206) 398-5024
   City, State, Zip Seattle, WA 98104
5. Description of proposed project, use, exemption, or variance
   Geotechnical borings in support of the design of a new link light rail essential public facility. See Attachment B for more information.
   Proposed Building Gross Square Footage 0 Proposed Structure Parking Gross Square Footage 0
6. **Nature of Project (if applicable)**
   Current use of property and existing improvements Publicly held Wetland and buffer with no improvements.
   Identify any adjacent water area/wetlands or significant natural features (i.e., streams, wetlands, views, significant trees, water bodies, etc) on or within 200 feet of the property.
   Mercer Slough Wetland
7. If **SHORT PLAT or SUBDIVISION** Application: Total Acreage N/A Number of Proposed Lots N/A
   Has this property been previously subdivided? If yes, Date _____ Recording # _____
   If this is a Final Plat or Final Short Plat, what is the Preliminary project file # N/A
8. If **SHORELINE MANAGEMENT**: Total cost or fair market value of the project (whichever is higher) $ N/A
   If a single family residence or pier is proposed, is it intended for the owner's own personal use? ☐Yes ☐No
   If Shoreline Variance, the development will be located:
   ☐ Landward ☐ Waterward
   of the ordinary high water mark.
   AND/OR
   ☐ Outside ☐ Inside areas designated as marshes, bogs or swamps by the Dept. of Ecology. (Chapter. 173.22. WAC)

BCC 23.10.033 - Agreement regarding vested rights: The filing of an application for any of these required approvals prior to the filing of a valid and complete application for a building permit shall not establish or create a vested right to proceed with construction of any proposed project.

I certify that I am the owner or owners authorized agent. If acting as an authorized agent, I further certify that I am authorized to act as the Owners agent regarding the property at the above-referenced address for the purpose of filing applications for decision, permits, or review under the Land Use Code and other applicable Bellevue City Codes and I have full power and authority to perform on behalf of the Owner all acts required to enable the City to process and review such applications.

I certify that the information on this application is true and correct and that the applicable requirements of the City of Bellevue, RCW and the State Environmental Policy Act (SEPA) will be met.

Signature Terry Beals (Owner or Owners Agent) Date 2/8/2013

Revised 10/17/08

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City of Bellevue

Bill To Form

Permit/Approval #

Your application is a type that requires deposit(s) and may have billable hours.
This means you may receive bills in the mail for review or inspection time spent on your project, in addition to the fees you pay at submittal or will be required to pay at or prior to issuance.

Please send the bills to:

Name/Company: Sound Transit

Attention: Terry Beals

Billing Address: 401 S. Jackson St

City, State and Zip: Seattle, WA 98104

10-digit Phone #: 206-398-5237

- For address changes: Notify Billing Customer Service (425-452-6860)
- For ownership changes: The new owner must provide Billing Customer Service with the ownership transfer date before any billing information can be changed.
- For billing liability changes: Contact Billing Customer Service (425-452-6860)
- City/School/Agency Projects: Please use "City Applicant / Other Agency Form"

Signature: Terry Beals Date: 2/8/2013

Sound Transit Geotechnical Borings
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City of Bellevue

City Applicant / Other Agency Form

Permit/Approval #

This form is only applicable if you are a City of Bellevue Department, or an outside agency listed below, and you are requesting to be billed for submittal and issuance fees. Check the appropriate agency on the list below. If you are not listed below, all application fees must be paid by check, cash, or credit card at the time of application.

CIP / Work Order / Purchase Order / Reference Number:	

City Project Information **Other Agency Project Information**

Check One	Department	Row Sequence #	Check One	Agency	PO #	Row Sequence #
	COB Parks	294978		Bellevue Schools		114044
	COB Transportation	295060		KC Dept Of Trans	KC 100	541675
	COB Fire	295099		KC Solid Waste	KC 200	568614
	COB Utilities	295034		KC Wastewater	KC 300	749926
	COB Info Services	532938		City of Redmond		541621
	COB Arts	532935		Issaquah Schools		308963
	COB Info Tech	552341	X	Sound Transit		552268
	COB Facilities	295032		PO 98884 for Stage III, Linda Smith 206 689-4922		
	COB PCD	744833				
	COB Police	903897				

Project Manager: Terry Beals Phone Number: 206-398-5237

Internal Use Only: If the application requires a deposit, create a second line in the AMANDA People Screen and add the "Bill To" using the same People RSN as above.

Critical Areas Land Use Permit Application Performance Standard Summary

This summary describes how the proposed geotechnical borings will meet the applicable performance standard listed as part of the City of Bellevue Land Use Code, LUC 20.25. The project responses to the performance standards are shown below in italicized, bold font.

Wetlands

LUC 20.25H.055.C.2

2. New and Expanded Uses or Development. As used in this section, "facilities and systems" is a general term that encompasses all structures and improvements associated with the allowed uses and development described in the table in subsection B of this section:

a. New or expanded facilities and systems are allowed within the critical area or critical area buffer only where no technically feasible alternative with less impact on the critical area or critical area buffer exists. A determination of technically feasible alternatives will consider:

i. The location of existing infrastructure;

The proposed geotechnical borings are in support of the design of a new essential public facility, East Link Extension Project. The locations of the borings are along the environmentally cleared alignment, evaluated through the July 2011 Final Environmental Impact Statement (FEIS) and subsequent Record of Decision (ROD). Please see Table 1 for the appropriate FEIS reference section for this item.

ii. The function or objective of the proposed new or expanded facility or system;

The proposed geotechnical borings are in support of the design of a new essential public facility, East Link Extension Project. The locations of the borings are along the environmentally cleared alignment, evaluated through the July 2011 Final Environmental Impact Statement (FEIS) and subsequent ROD. Please see Table 1 for the appropriate FEIS reference section for this item.

iii. Demonstration that no alternative location or configuration outside of the critical area or critical area buffer achieves the stated function or objective, including construction of new or expanded facilities or systems outside of the critical area;

The proposed geotechnical borings are in support of the design of a new essential public facility, East Link Extension Project. The locations of the borings are along the environmentally cleared alignment, evaluated through the July 2011 Final Environmental Impact Statement (FEIS) and subsequent ROD. Please see Table 1 for the appropriate FEIS reference section for this item.

Geotechnical exploration locations have been chosen to reduce the amount of impact to critical areas and their buffers to the greatest extent possible. However, in certain areas, exploration locations could not be moved outside of these areas without compromising the quality of data to be gathered. Reducing the quality of data could result in over-engineering and additional impacts to critical areas.

iv. Whether the cost of avoiding disturbance is substantially disproportionate as compared to the environmental impact of proposed disturbance; and

The proposed geotechnical borings are in support of the design of a new essential public facility, East Link Extension Project. The locations of the borings are along the environmentally cleared alignment, evaluated through the July 2011 Final Environmental Impact Statement (FEIS) and subsequent ROD. Please see Table 1 for the appropriate FEIS reference section for this item.

v. The ability of both permanent and temporary disturbance to be mitigated.

The proposed geotechnical borings are in support of the design of a new essential public facility, East Link Extension Project. The locations of the borings are along the environmentally cleared alignment, evaluated through the July 2011 Final Environmental Impact Statement (FEIS) and subsequent ROD. Please see Table 1 for the appropriate FEIS reference section for this item.

b. If the applicant demonstrates that no technically feasible alternative with less impact on the critical area or critical area buffer exists, then the applicant shall comply with the following:

i. Location and design shall result in the least impacts on the critical area or critical area buffer;

Geotechnical exploration locations have been chosen to reduce the amount of impact to critical areas and their buffers to the greatest extent possible. However, in certain areas, exploration locations could not be moved outside of these areas without compromising the quality of data to be gathered. Reducing the quality of data could result in over-engineering and additional impacts to critical areas. Please see Table 1 for the appropriate FEIS reference section for this item.

ii. Disturbance of the critical area and critical area buffer, including disturbance of vegetation and soils, shall be minimized;

Minor clearing may be required to create an access path to the exploration location as well as a work area for the equipment and associated personnel. Impacts to surrounding vegetation and

soils will be reduced to the greatest extent possible. Please see Table 1 for the appropriate FEIS reference section for this item.

iii. Disturbance shall not occur in habitat used for salmonid rearing or spawning or by any species of local importance unless no other technically feasible location exists;

The proposed work is not expected to impact a habitat used for salmonid rearing or spawning or by any species of local importance. No in-water work is proposed as a part of the geotechnical explorations. Please see Table 1 for the appropriate FEIS reference section for this item.

iv. Any crossing over of a wetland or stream shall be designed to minimize critical area and critical area buffer coverage and critical area and critical area buffer disturbance, for example by use of bridge, boring, or open cut and perpendicular crossings, and shall be the minimum width necessary to accommodate the intended function or objective; provided, that the Director may require that the facility be designed to accommodate additional facilities where the likelihood of additional facilities exists, and one consolidated corridor would result in fewer impacts to the critical area or critical area buffer than multiple intrusions into the critical area or critical area buffer;

No structured crossings of a wetland or stream are proposed as part of the geotechnical exploration work. Please see Table 1 for the appropriate FEIS reference section for this item.

v. All work shall be consistent with applicable City of Bellevue codes and standards;

All work will meet applicable City of Bellevue codes and standards.

vi. The facility or system shall not have a significant adverse impact on overall aquatic area flow peaks, duration or volume or flood storage capacity, or hydroperiod;

The proposed work is not expected to impact overall aquatic area flow peaks, duration or volume or flood storage capacity or hydroperiod. Please see Table 1 for the appropriate FEIS reference section for this item.

vii. Associated parking and other support functions, including, for example, mechanical equipment and maintenance sheds, must be located outside critical area or critical area buffer except where no feasible alternative exists; and

Impacts to critical areas are temporary and will only be for required for equipment to complete the work. Any additional mechanical equipment, including support vehicles, will be located outside the critical area or critical buffer except where no feasible alternative exists. Please see Table 1 for the appropriate FEIS reference section for this item.

viii. Areas of new permanent disturbance and all areas of temporary disturbance shall be mitigated and/or restored pursuant to a mitigation and restoration plan meeting the requirements of LUC 20.25H.210.

Temporary disturbance impacts will be mitigated with the appropriate erosion and sediment control best management practices (BMPs) and restored using common re-vegetation methods such as hydroseeding where applicable. Please refer to Table 1 for further mitigation information related to construction of the East Link Extension project.

LUC 20.25H.100

Development on sites with a wetland or wetland critical area buffer shall incorporate the following performance standards in design of the development, as applicable:

A. Lights shall be directed away from the wetland.

Work is expected to be conducted during daylight hours. In the event that nighttime work is required, lights will be directed away from the wetland to the extent possible.

B. Activity that generates noise such as parking lots, generators, and residential uses, shall be located away from the wetland, or any noise shall be minimized through use of design and insulation techniques.

Where exploration locations fall adjacent or within the wetland boundary, noise generating equipment will be placed outside of the boundary where feasible. Please refer to Table 1 for further noise impact information related to construction of the East Link Extension project.

C. Toxic runoff from new impervious area shall be routed away from the wetlands.

No new impervious area is included as part of the proposed exploration work. Borings will be backfilled per Washington State Depart of Ecology regulations. In the event that a piezometer is installed, the boring will covered with a flush mounted cap for monitoring access. During construction of the Project, the boring will abandoned per Washington State Department of Ecology regulations. Typically the backfill consists of low permeability bentonite or a cement-bentonite mixture. Impacted surfaces will be re-vegetated using hydroseeding or other methods for restoration. Please refer to Table 1 for further impervious area runoff information related to construction of the East Link Extension project.

D. Treated water may be allowed to enter the wetland critical area buffer.

Any water meeting NPDES construction water quality standards may be allowed to enter the wetland critical area buffer. Please refer to Table 1 for further treated water information related to construction of the East Link Extension project.

E. The outer edge of the wetland critical area buffer shall be planted with dense vegetation to limit pet or human use.

Any impacts associated to the proposed work will be restored to near pre-exploration condition, or to the extent possible. Disturbed vegetated areas will be stabilized with the appropriate BMPs prior to work beginning and seeded upon completion. Alteration to the existing outer edge of the wetland critical area buffer is not included as part of this work, except where an exploration location is identified. Please refer to Table 1 for further information regarding mitigation/restoration for critical area buffer edges.

F. Use of pesticides, insecticides and fertilizers within 150 feet of the edge of the stream buffer shall be in accordance with the City of Bellevue's "Environmental Best Management Practices," now or as hereafter amended. (Ord. 5680, 6-26-06, § 3)

No pesticides, insecticides or fertilizers will be used in support of the exploration work.

Table 1 – East Link Project
City of Bellevue Land Use Code FEIS Reference Chart

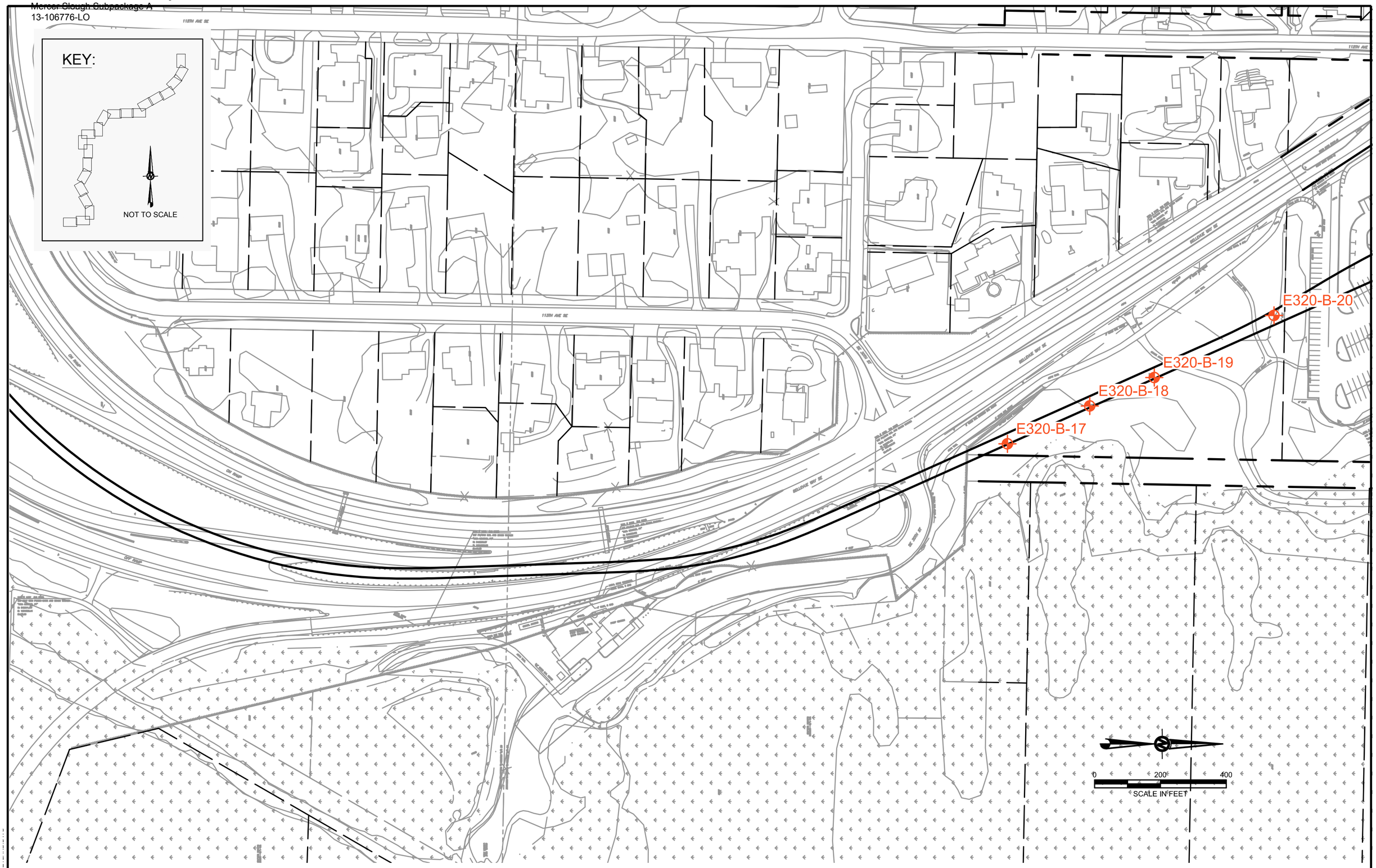
LUC 20.25H.055. C.2 (Wetlands)	***Item***	***FEIS Reference (Section)***	***FEIS Appendix/Backup Report Reference***
…a.i	Existing Infrastructure	2.3.1, 2.3.2, 3.3.2, 3.4.2, 3.5.2, 3.6.2, 3.7.2. 3.8.2, 3.9.1	N.A.
…a.ii	Function/objective of proposed system	1.1.2	N.A.
…a.iii	Alternatives	2.3	N.A.
…a.iv	Cost Analysis	6.2	N.A.
…a.v	Mitigation	4.8.4	Appendix C, Appendix H3, Appendix I
…b.i	Impacts to Critical Areas	2.3.2, 2.5, 4.8.3, 4.8.4	Appendix C, Appendix H3
…b.ii	Disturbance of Critical Areas	4.8.2, 4.8.3, 4.11.2, 4.11.3	Appendix C, Appendix H3
…b.iii	Disturbance of Salmonid Habitat	4.8.3	Appendix H3
…b.iv	Wetland/stream crossings	4.8.3	Appendix H3
…b.v	COB Codes and Standards	N.A.	N.A.
…b.vi	Impact to aquatic systems	4.9.2, 4.9.3. 4.9.4	Appendix H3
…b.vii	Parking	2.3.2	Appendix G1
…b.viii	Mitigation	2.5, 4.8.4	Appendix H3, Appendix I

LUC 20.25H.100 (Wetlands)	***Item***	***FEIS Reference (Section)***	***FEIS Appendix/Backup Report Reference***
…A	Light	N.A.	N.A.
…B	Noise	4.7.3, 4.8.3	Appendix H2
…C	Water Quality	4.9.3, 4.9.4	Appendix H3
…D	Water Quality	4.9.3, 4.9.4	Appendix H3
…E	Wetland Mitigation	2.5, 4.8.4	Appendix I, Appendix H3

…F	Pesticide Use	N.A.	N.A.

Attachment A

East Link Phase 2 Proposed Exploration Sites



SOURCE:

1. TOPOGRAPHY FROM FILES PROVIDED BY H-J-H.
2. BORINGS FROM SHANNON & WILSON, JUNE, 2012.

LEGEND:

PROPOSED BORING SITE

NOT FOR CONSTRUCTION

No.	DATE	DSN	CHK	APP	REVISION
A	MM-DD-YY	XXX	XXX	XXX	DESCRIPTION

DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
APPROVED BY: XXX

SUBMITTED BY:

FINAL DESIGN PARTNERS.

DATE:

APPROVED BY:

LINE IS 0.5" AT FULL SCALE

SOUNDTRANSIT

DATE:

SCALE:

FILENAME:

CONTRACT UNIT (CUD):

DATE:

LINK LIGHT RAIL PROJECT
EAST CORRIDOR
BELLEVUE TO REDMOND

EAST LINK PHASE 2
PROPOSED EXPLORATION SITES

DRAWING No.:

SHEET No.: REV: A

F-03

Attachment B

Detailed Information Packages for Proposed Explorations

SOUND TRANSIT/EASTLINK
ROW PERMIT APPLICATION
E320-B-17, E320-B-18, E320-B-19,
AND E320-B-20
PARCEL NUMBER #7000100445, EL105

1. **Work Area**
   a. Explorations designated E320-B-17, E320-B-18, E320-B-19, and E320-B-20 are planned to be performed on City of Bellevue Parks property on parcel number #7000100445 (EL 105) south of the South Bellevue Park and Ride as shown on the Site plan, Figure 5, and the enclosed Exploration Plan. The location of the explorations as shown is approximate and may be moved once we visit the site and underground utilities are located.
2. **Work Description**
   a. The geotechnical borings are planned to be about 100 feet deep, 8 inches in diameter, and will be constructed using mud-rotary drilling techniques. A vibrating wire piezometer will be installed at boring E320-B-18.
3. **Schedule**
   a. The geotechnical borings are each expected to take approximately one and one half days.
4. **Direction of Work**
   a. This permit is for multiple explorations. Work will generally proceed from north to south.
5. **Temporary Erosion and Sediment Control Plan**
   a. Soil cuttings from the drilling operation will be drummed and removed from the site. Caution will be used by the drillers and site personnel to prevent unnecessary tracking of soil outside the work zone. A well monument flush with the ground surface will be installed to protect the piezometer in boring E320-B-18. The work zone surface will be returned, as close as practical, to pre-drilled condition prior to completion of work.
6. **Site Access**
   a. Access for the geotechnical borings will be from a maintenance road along SE Bellvue Way, as shown on Figure 5.
7. **Traffic Control Plan**
   a. A traffic control plan is not required for geotechnical borings E320-B-17, E320-B-18, E320-B-19, and E320-B-20.
8. **Hazardous Materials Procedures**

a. Hazardous materials are not anticipated to be encountered at this site. If field conditions differ from what is anticipated and field staff identifies soil or groundwater that is possibly contaminated, HJH will be notified immediately.

b. A spill kit will be available at the work site in the event of a spill of fuel or hydraulic fluid. Contaminated materials will be disposed of at an appropriate disposal facility

9. Vegetation Removal

a. Vegetation clearing will be required for the geotechnical boring E320-B-17. Site reconnaissance indicated that this site will require brush and blackberry clearing and tree branch trimming to create an 8-foot-wide path for drill rig access and 12-footwide by 20-foot-long work zone around the boring locations. Vegetation disturbance will be reduced to the extent practical. Vegetation limbs cut will be less than 4 inches in diameter. Blackberries and shrubs that are disturbed as a part of establishing access will not have their roots removed. Straw and cut vegetation will be spread across the access path, boring location, and disturbed soils after completing the boring.

10. Communication Plan

a. Geotechnical consultant Shannon & Wilson will contact Sound Transit Community Outreach anytime Shannon & Wilson personnel or subcontractors will be conducting field work. Shannon & Wilson will communicate the type of work being done, the general location of the work, and the amount of time the work is expected to take. Shannon & Wilson will give at least 72 hours advance notice to the outreach department prior to any exploration work.

b. Community Outreach will inform property owners of work in the area prior to explorations. Members of the public seeking specific information about the work and why it is being conducted will be directed to call Blake Jones with the ST Community Outreach Department at (206) 398-5470.

11. Unexpected Discovery Procedures

a. If an unexpected discovery of human remains, bones, pottery or other materials are unearthed, work will be stopped immediately and HJH notified in any case.

b. If human remains are discovered, the coroner's office and local law enforcement will be notified immediately as stipulated in Revised Code of Washington 68.50.645.

c. In the event of an unexpected discovery of pottery or other such materials, HJH may designate a qualified person to access the site prior to continuation of work.

Figure 1: Approximate location of geotechnical boring E320-B-17 marked with orange arrow.

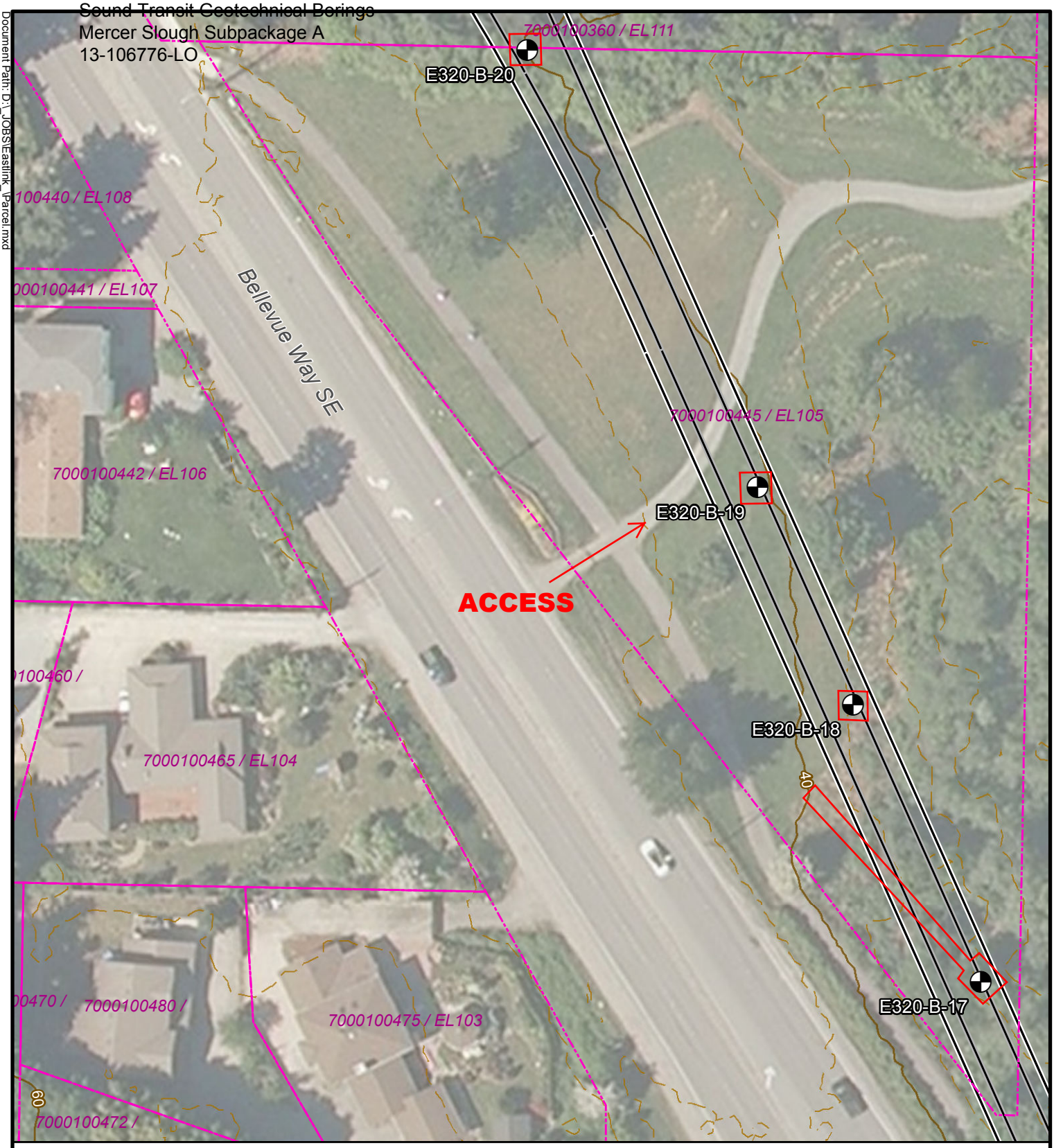
Figure 2: Approximate location of geotechnical boring E320-B-18 marked with orange arrow.

Figure 3: Approximate location of geotechnical boring E320-B-19 marked with orange arrow. Access for borings on this parcel is through the gate shown in the background.

Figure 4: Approximate location of geotechnical boring E320-B-20 marked with orange arrow.

Sound Transit Geotechnical Borings
Mercer Slough Subpackage A
13-106776-LO

Document Path: D:_JOBS\Eastlink_Parcel.mxd



LEGEND

Area of Temporary Disturbance

Proposed Alignment

Parcel

KC TAX ID

N
W E
S

0 30 60
Feet

Sound Transit East Link
Bellevue, WA

SITE MAP

January 2013 21-1-21720-001

SHANNON & WILSON, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

FIG. 5

Attachment C

Restoration for Areas of Temporary Disturbance

Requirements Summary

Critical Areas Land Use Permit Application Restoration Plan Requirements Summary

This summary describes how the proposed geotechnical borings will meet the Restoration for Areas of Temporary Disturbance as listed as part of the City of Bellevue Land Use Code, LUC 20.25H.220.H. The project responses to the code requirements are shown below in italicized, bold font.

Restoration Plan

LUC 20.25H.220.H – Restoration for Areas of Temporary Disturbance

The Director may impose conditions for the restoration of areas of temporary disturbance included as part of an approved Critical Areas Land Use Permit or use or development allowed under LUC 20.25H.055, without requiring the restoration plan and other measures described in this section, so long as the following requirements are satisfied:

1. All areas of temporary disturbance shall be identified in the plans approved with the Critical Areas Land Use Permit or allowed use or development and shall be the minimum necessary to allow the completion of the approved use or development. For uses and development involving the repair or renovation of existing structures that can be accessed from non-critical area or critical area buffer, the minimum necessary area of temporary disturbance shall be no greater than 10 feet around the perimeter of the existing structure. Proposals involving areas of greater disturbance shall require a full restoration plan under this section. The Director may impose conditions requiring areas of temporary disturbance to be marked in the field through the use of markers, fencing, or other means;

   Areas of temporary disturbance have been identified in the supporting exhibits included as part of Attachment B.

2. The condition of the areas of temporary disturbance existing prior to undertaking any development activity shall be documented with the proposal. The Director may require photographic evidence, site plans showing the size, location and type of existing vegetation, or other materials to document existing conditions;

   Pre-existing condition photographs are included as part of Attachment B.

3. The Director shall impose a condition that the area be restored to existing conditions prior to the final approval of the work performed, or within 30 days following completion of the work if no final approval is required; and

   Any necessary clearing will be restored through re-vegetation such as hydroseeding to return the area to as close to existing conditions as possible. Please refer to the July 2011 East Link Project Final Environmental Impact Statement for mitigation details related to construction of the East Link Project.

4. The Director shall impose a condition requiring monitoring of the restored area and additional restoration to achieve existing conditions, consistent with subsection D of this section; provided that the Director may reduce the monitoring period to not let than one year from the completion of the original restoration.

   Only temporary disturbance is proposed as a part of this application. Disturbed areas will be re-vegetated such as hydroseeding upon completion of the work. Monitoring is not anticipated to be required as a full mitigation plan, including monitoring details, will be supplied prior to construction of the East Link Extension project.