City of Bellevue
Development Services Department
Land Use Staff Report

Proposal Name:	Sound Transit East Link Exploratory Soil Borings and Survey Data Collection
Proposal Address:	Multiple Locations – City Wide
Proposal Description:	Approval of Critical Areas Land Use Permit to perform exploratory borings and survey work. Portions of proposed work to be located within the Critical Areas Overlay District and the Shoreline Overlay District. Work involves the mobilization of drilling equipment to areas located within critical areas or critical area buffers, completion of borings, and removal of equipment. Work may include temporary vegetation removal (clearing). Areas of disturbed vegetation within Critical Areas or their buffers to be restored consistent with LUC 20.25H.220(H) and the City's Critical Areas Handbook. Approval includes 11 boring locations.
Folder Number:	09-124534-LO
Decision Included:	Critical Areas Land Use Permit (Process II. LUC 20.30P)
Planner:	David Pyle, Land Use Planner
Director's Decision:	**Approval with Conditions** Michael A. Brennan, Director Development Services Department By: _____ Carol V. Helland, Land Use Director

Application Date:	9/09/2009
Notice of Application Publication Date:	9/10/2009
Notice of Decision Date:	10/29/2009
Project Appeal Deadline:	11/12/2009

For information on how to appeal a proposal, visit Development Services Center at City Hall or call (425) 452-6800. Comments on State Environmental Policy Act (SEPA) Determinations can be made with or without appealing the proposal within the noted comment period for a SEPA Determination. Appeal of the Decision must be received in the City's Clerk's Office by 5 PM on the date noted for appeal of the decision.

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1. Boring Site Plans
2. Boring Locator Log
3. Letter of Shoreline Exemption
4. Comment Letters – In File

I. Proposal Description

A. General Description

Sound Transit has submitted application for Critical Areas Land Use Permit for geotechnical exploration activities required for preliminary design of the Sound Transit East Link Project. Sound Transit is proposing the completion of borings within the City of Bellevue, between I-90 in south Bellevue and to the eastern boundary of Bellevue with Redmond, in the area associated with the Segment A through D alignments of the East Link Project. These borings will be used to assess subsurface soil and groundwater conditions, which is needed to aid in the design of multiple transit stations, elevated and at-grade track systems, and a possible tunneled section.

A majority of the proposed geotechnical explorations would occur primarily within City of Bellevue right-of-way. There are also borings proposed within WSDOT right-of-way and on private properties. Borings will be drilled to depths ranging from about 25 to 200 feet. Sound Transit consultants have indicated that 11 soil borings would need to occur within City of Bellevue defined critical areas buffers associated with Lake Washington, Mercer Slough, and Sturtevant Creek. No boring will occur within Critical Areas. The actual drilling locations of the borings could change up to 50 feet from the locations indicated depending on conflicts with buried utilities, access issues, or right-of-entry requirements. In situations where boring locations must change, the boring location must be moved further away from critical areas or their buffers. Boring site plans are included as Attachment 1. A boring locator log identifying the 11 borings located within Critical Area Buffers is included as Attachment 2.

Most of the proposed geotechnical borings are located in urbanized areas. For these locations local streets will provide transportation access to exploration sites and site clearing and preparation will not be needed. Up to 10 explorations will be located in wetland buffer areas associated with the Mercer Slough. No work will occur in Lake Washington, wetlands, or stream channels. Explorations in wetland buffer locations may require some minor site clearing of shrubs and/or brush in order to provide access for the drill rig and must be limited to the minimum necessary. No trees are expected to be removed although if removed must be replaced at a 3:1 ratio and in accordance with the City's Critical Areas Handbook. In many locations the wetland buffers are within maintained and mowed grasses or parking lots. Restoration of all disturbed areas will occur in accordance with Bellevue Land Use Code 20.25H.220.H. <u>See related conditions of approval in Section VII below.</u>

B. Description of Activity

The boreholes that would be drilled as part of this activity range from 4 to 8 inches in diameter. From start to finish, each soil boring requires approximately 1 to 3 days to complete depending on the exploration depth. The area needed to conduct the boring

activity is about two truck lengths, situated either side-by-side or end-to-end or about 600 square feet, although equipment size varies and area of impact can be much smaller. The drill rig and support truck are generally sited on the shoulder of a roadway, in a parking lot, or a vacant site. The drilling equipment involves a drilling system mounted on a truck or a tracked vehicle. The drill system is used to advance the boring to the necessary depth by rotating an auger or drill tool into the soil. Soil cuttings are brought to the surface by the rotating auger flights or by drill fluid circulation. Soil sampling generally occurs at regular 5-foot intervals using a steel sampler lowered to the sampling depth inside the augers or borehole, and then driven into the soil using a rig-mounted hammer. Temporary disturbance associated with the mobilization and operation of drilling equipment must be restored within 30 days following the completion of drilling activity at each site in accordance with LUC 20.25H.220.H. See related conditions of approval in Section VII below.

Groundwater monitoring wells (piezometers) will be installed in about half of the proposed borings. The locations with monitoring wells are identified with a “p” in the boring locator sheets included as Attachment 1. The monitoring wells are used to record changes in groundwater elevation with time. Each well will involve grouting a polyvinyl chloride (PVC) pipe into the drilled borehole. A flush-mounted, locking valve cover is installed at the top of the piezometer to prevent access by the public. The design of the piezometer is such that surface water cannot access the monitoring system. The piezometers could remain in place for up to eight years to allow for groundwater monitoring over a period sufficient to provide meaningful design data and the site surrounding each piezometer must be restored upon removal. The placement and operation of a piezometer at a boring location does not relieve the applicant from restoring areas of temporary disturbance within Critical areas buffers related to the mobilization and operation of drilling equipment within 30 days following the completion of drilling activity for each site as described above. See related conditions of approval in Section VII below.

C. Best Management Practices

The exploration program would adhere to standard best management practices (BMPs) at each exploration location. The BMPs address the prevention of erosion, sedimentation, and leaching of contaminants into surface waters, wetlands, and drainage systems. These BMPs follow the recommendations of state and local agencies.

During the boring process, the following BMPs will be implemented to minimize the potential for environmental impacts:

- A small pile of generally damp-to-wet soil would accumulate at the top of the boring around the auger. This pile of soil cuttings is kept to a minimum size by shoveling the soil into barrels as it approaches the ground surface. For unpaved, grassy areas, plastic sheeting would be placed on the ground to control cuttings and aid in site clean up. See related conditions of approval in Section VII below.

- To provide additional protection against fluids and sediment from the drilling process entering the stormwater drainage system or any nearby body of water, sandbags would be placed down gradient of the boring operation in a configuration that would prevent the bypass of unfiltered water. Drilling would not take place during heavy rainfall events. On-site personnel would monitor runoff to capture possible runoff of drilling fluids and sediment. See related conditions of approval in Section VII below.

- All material that is removed from the boring, including cuttings, water, and the core samples, would be placed in sample bags or watertight drums. Drummed soil will be removed from the site at the end of each day and disposed of at an approved disposal facility. Sample bags with soil samples will be taken from the site and stored in a warehouse facility for later inspection or testing. Each soil boring will generate approximately two drums of waste, depending on the final boring depth. See related conditions of approval in Section VII below.

- After the borings are complete the soil boring holes will be filled with bentonite chips or a bentonite cement mixture, in accordance with Washington State Department of Ecology standards. The hole will be sealed to prevent potential cross contamination of groundwater aquifers. There would be no increase in impervious surfaces associated with this geotechnical activity. At the conclusion of each soil boring, holes drilled in pavement are patched using concrete. Holes drilled in a grassy area would be patched using the grass which is cut out prior to drilling. The site is cleaned with shovels and a hand broom. See related conditions of approval in Section VII below.

- Explorations in proximity (i.e., less than 250 ft) to bodies of water would utilize special, environmental sampling agents (e.g., vegetable oil) instead of oil-based lubrication typically used in the boring process. Additionally, dry drilling methods would be employed, unless geologic conditions require the wet methods, which use water (possibly mixed with bentonite) as a drilling aid. See related conditions of approval in Section VII below.

Best management practices will be implemented to ensure that sediments do not enter the critical areas. The total area of disturbance will be minimized and only minor clearing of vegetation is anticipated. The majority of the proposed geotechnical borings within critical areas are associated with areas of mowed grass. Geotechnical explorations will not occur within the wetlands, and no permanent impacts to either the wetlands or wetland buffers are anticipated. Where temporary impacts are possible, each site will be photo documented prior to disturbance and following restoration. Monitoring of restoration will vary based on restoration requirements, where restoration is required submittal of a monitoring report at one year is required to ensure the site is properly restored.

D. Stormwater Drainage Systems

Topography of the area for the proposed soil borings is generally flat to sloping due to the geologic history and development of the exploration sites. Surface water at the exploration sites comes from precipitation or overland runoff and will infiltrate into the ground or enter into the stormwater drainage system before reaching the bodies of water listed in this letter. The proposed soil borings are not expected to have any effect on stormwater collection and drainage systems. See related conditions of approval in Section VII below.

E. Limit of Authority Under This Permit

Review and approval under this Critical Areas Land Use Permit is limited to those boring sites located within a critical area or critical area buffer as defined by LUC 20.25H.025 and LUC 20.25H.035. Although the activities under review as part of this permit application are part of a larger action (Citywide boring activity associated with Sound Transit East Link design for segments A-D), the review completed and approval granted under this Critical Areas Land Use Permit is limited to those boring locations and vegetation removal (blackberry) areas that are located within a critical area or critical area buffer. All other sites and work locations related to this project not located in a critical area or critical area buffer are outside of the authority of this permit, and are subject to compliance with City of Bellevue codes and ordinances through review and permit under a clearing and grading permit or a right of way use permit. See related conditions of approval in Section VII below.

II. Environmental Review/Permits Required

A. Critical Areas Overlay District

The work proposed is included under the definition of an essential public facility [RCW 36.70A.200(1)] and the proposed boring is included as an allowed activity (new or expanded essential public facilities) within the Critical Areas Overlay District, however specific performance standards must be met and the action requires review through a Critical Areas Land Use Permit as identified in LUC 20.25H.055. Restoration for all areas of temporary disturbance is required per LUC 20..25H.220.H. The applicant must provide a summary of how the project meets the performance standards listed, a detailed map identifying all location where drilling may occur within critical areas, and must include a restoration plan that meets the requirements of LUC 20.25H.220.H for all critical areas or buffers disturbed. Critical Areas Land Use Permits are Process II Administrative Permits and require the publishing of a notice of application with an open comment period (14 days) and also publishing of a notice of decision with an open appeal period (14 days).

B. SEPA

The proposed scope of work is SEPA exempt as identified under BCC 22.02.032 and WAC 197-11-800(17). SEPA review for this activity is not required.

C. Shoreline Overlay District

The proposed activity is considered exempt from Shoreline Substantial Development Permit under LUC 20.25E.050 and WAC 173-27-040(2)(M). A shoreline exemption has been granted and is included as Attachment 3.

D. Clearing and Grading Permit

The proposed boring activity will require a Clearing and Grading Permit (Type GH) and will require erosion control and restoration for all areas of temporary disturbance per the Critical Areas Land Use Permit. A Clearing and Grading Permit is required after the Critical Areas Land Use Permit has been issued and before beginning work. <u>See related conditions of approval in Section VII below.</u>

III. Consistency with Critical Areas Overlay District Land Use Code Requirements – LUC 20.25H

A. General Performance Standards – LUC 20.25H.055.C.2

Finding: This is a proposal to investigate soils and groundwater to assist in the study of possible design for the Sound Transit East Link Light Rail project. There is not permanent disturbance proposed as part of this data collection exercise. All areas of temporary disturbance will be restored in accordance with LUC 20.25H.210. The applicant has modified the proposed boring locations to eliminate the need to perform borings within known wetland or stream areas. Likewise boring locations have been modified to have the minimum impact on wetland or stream buffers and have been sited in areas where minimal vegetation modification is required. The applicant has demonstrated that there is no technically feasible alternative or alternate plan for boring locations with less impact on critical areas or related buffers. The performance standards of LUC 20.25H.055.C.2 have been met.

B. Stream and Wetland Performance Standards – LUC 20.25H.080.A and LUC 20.25H.100

Finding: The proposed boring activity has been designed to comply with the established performance standards for work performed within the proximity of a Type F and S stream or wetland system. The proposal has been modified so that no drilling or data collection will occur within a known stream or wetland and will be limited to work in the buffers or outside of a critical area. Similarly, boring locations have been modified to have the minimum impact on buffers and have been sited in areas where minimal vegetation modification is required. No permanent disturbance is expected and all areas cleared or impacted as part of this project will be restored in accordance with LUC 20.25H.210. The applicant has demonstrated that the performance standards of LUC 20.25H.080.A and LUC 20.25H.100 have been met.

C. Restoration For Areas of Temporary Disturbance – LUC 20.25H.220.H

Finding: This proposal involves the mobilization of drilling equipment to areas located within critical areas or critical area buffers, completion of borings, and removal of equipment. Work may include temporary vegetation removal (clearing) to locate and operate the drilling equipment. Areas of disturbed vegetation within Critical Areas or their buffers to be restored consistent with LUC 20.25H.220(H) and the City's Critical Areas Handbook and must be monitored for a period of one year. See related conditions of approval in Section VII below.

IV. Public Notice and Comment

Application Date:	September 9, 2009
Public Notice (500 feet):	September 10, 2009
Minimum Comment Period:	September 24, 2009

The Notice of Application for this city wide project was published in the City of Bellevue weekly permit bulletin on May 28, 2009. A total of six inquiries were made on the project and five individuals provided comment (one inquiry was made for more information). Comments received on the proposal generally ranged from concern about disturbance of critical areas to stated opposition of the Sound Transit East Link Light Rail project. One of the comment letters was from Seattle Public Utilities (SPU) related to concern about underground utilities, three of the five comment letters received were stating concern over the potential for environmental degradation, and one comment letter was received related to this projects standing with regard to exemptions from SEPA and Shoreline substantial Development Permit review. Comment letters are included as Attachment 4. Site management practices intended to limit and mitigate possible impacts to critical areas and their buffers is included in Section I above. Citations from the Revised Code of Washington and Washington Administrative Code that grant this project exemption from SEPA and Shoreline Substantial Development Permit Review are included in Section II above.

It should be noted that this proposal to complete exploration borings and survey data collection is meant to assist in the preliminary design of potential alignment alternatives and in support of the completion of the SEIS currently under development by Sound Transit for the East Link Project. While specific areas of the City are being studied through borings and survey work as part of this Critical Areas Land Use Permit, this is in no way an indication or endorsement of a preferred alignment. The scope of this permit is limited to data collection and survey work to supplement data records where previous study has not been completed. Comments related to the Sound Transit East Link Light Rail project should be directed to the SEIS review process currently underway by Sound Transit.

V. Decision Criteria

A. Critical Areas Land Use Permit Decision Criteria 20.30P

The Director may approve or approve with modifications an application for a critical areas land use permit if:

i. The proposal obtains all other permits required by the Land Use Code;

Finding: A clearing and grading permit is required. See related condition of approval in Section VII of this report.

ii. The proposal utilizes to the maximum extent possible the best available construction, design and development techniques which result in the least impact on the critical area and critical area buffer;

Finding: The proposal has been modified so that no drilling or data collection will occur within a known stream or wetland and will be limited to work in the buffers or outside of a critical area. Similarly, boring locations have been modified to have the minimum impact on buffers and have been sited in areas where minimal vegetation modification is required. No permanent disturbance is expected and all areas of disturbed vegetation within Critical Areas or their buffers must be restored consistent with LUC 20.25H.220.H and the City's Critical Areas Handbook and monitored for a period of one year following restoration installation. Clearing and grading permit plans must demonstrate adequate protection of the critical area and buffer. Replanting must be in accordance with the City's Critical Areas Handbook. See related condition of approval in Section VII of this report.

iii. The proposal incorporates the performance standards of Part 20.25H to the maximum extent applicable, and ;

Finding: The applicant has demonstrated that the performance standards of LUC 20.25H.080.A and LUC 20.25H.100 have been met. See Section III above.

iv. The proposal will be served by adequate public facilities including street, fire protection, and utilities; and;

Finding: This is a proposal to collect data through exploratory borings and survey work to assist in the study of alternatives for the Sound Transit East Link Light Rail project. No permanent development is approved as part of this permit. Drilling and survey work do not typically rely on public services for operation outside of equipment mobilization on public streets with licensed vehicles. No additional demand on public facilities is expected. A City of Bellevue Transportation Department Right of Way permit for street use is required to complete borings and data collection in the public

Right of Way. See related condition of approval in Section VII of this report.

v. The proposal includes a mitigation or restoration plan consistent with the requirements of LUC Section 20.25H.210; and

Finding: The applicant is required to submit a final restoration plan as part of the associated clearing and grading permit that meets the requirements of LUC 20.25H.220.H. See related condition of approval in Section VII of this report.

vi. The proposal complies with other applicable requirements of this code.

Finding: As discussed above, the proposal complies with all applicable requirements of the Land Use Code and applicable Bellevue City Codes.

VI. Conclusion and Decision

After conducting the various administrative reviews associated with this proposal, including Land Use Code consistency, SEPA, City Code and Standard compliance reviews, the Development Services Department Director does hereby **approve with conditions** the proposal to perform exploratory borings and survey work at locations within the Critical Areas Overlay District as described in this report.

Note- Expiration of Approval: In accordance with LUC 20.30P.150 a Critical Areas Land Use Permit automatically expires and is void if the applicant fails to file for a Clearing and Grading Permit or other necessary development permits within one year of the effective date of the approval.

VII. Conditions of Approval

The applicant shall comply with all applicable Bellevue City Codes and Ordinances including but not limited to:

Applicable Ordinances	Contact Person
Clearing and Grading Code- BCC 23.76	David Pyle, 425-452-2973
Land Use Code- BCC 20.25H	David Pyle, 425-452-2973
Noise Control- BCC 9.18	David Pyle, 425-452-2973

The following conditions are imposed under the Bellevue City Code referenced:

1. Restoration Plan: All areas of disturbed vegetation within Critical Areas or their buffers must be restored consistent with LUC 20.25H.220(H) and the City's Critical Areas Handbook and monitored for a period of one year following restoration installation. Prior to commencement of boring activity at a site where vegetation removal is expected, the applicant shall photo document site conditions prior to boring

activity, after boring completion, and shall submit a plan for restoration for each site disturbed indicating how restoration activity will restore the site to it's original condition. The plan must also include prescribed maintenance activities to ensure plant survival and must include monitoring requirements (including reporting) to document success/failure for a period of one year following restoration.

Authority: Land Use Code 20.25H.220.H
Reviewer: David Pyle, Development Services Department

2. Clearing and Grading Permit Required: Prior to the commencement of the construction activity, a Clearing and Grading Permit is required and must comply with BCC 23.76.

Authority: Bellevue City Code 23.76.025.1
Reviewer: David Pyle, Development Services Land Use Division

3. Rainy Season restrictions: Due to the proximity to Critical Areas, no clearing and grading activity may occur during the rainy season, which is defined as November 1 through April 30 without authorization of the Development Services Department Clearing and Grading Inspector.

Authority: Bellevue City Code 23.76.093.A
Reviewer: David Pyle, Development Services Land Use Division

4. Pesticides, Insecticides, and Fertilizers: The use of pesticides, insecticides, and fertilizers in is prohibited in accordance with the City of Bellevue's "Environmental Best Management Practices".

Authority: Bellevue City Code 23.76.100
Reviewer: David Pyle, Development Services Land Use Division

5. Noise Control: Noise related to construction is exempt from the provisions of BCC 9.18 between the hours of 7 am to 6 pm Monday through Friday and 9 am to 6 pm on Saturdays, except for Federal holidays and as further defined by the Bellevue City Code. Noise emanating from construction is prohibited on Sundays or legal holidays unless expanded hours of operation are specifically authorized in advance. Requests for construction hour extension must be done in advance with submittal of a construction noise expanded exempt hours permit.

Authority: Bellevue City Code 9.18
Reviewer: David Pyle, Development Services Land Use Division

6. Erosion and Sediment Control: All boring sites must be managed according

to an approved erosion control plan to be evaluated during review of clearing and grading permit. Erosion and sediment control best management practices include the installation of silt fencing around the work area and covering exposed soils to prevent migration of soils to the adjacent critical areas.

Authority: Bellevue City Code 23.76.090
Reviewer: David Pyle, Development Services Land Use Division

7. Pre-Construction Meeting: Prior to the commencement of construction, a pre-construction meeting is required with the City's Clearing and Grading Inspector to review permit and construction requirements, including erosion control practices.

Authority: Bellevue City Code 23.76
Reviewer: David Pyle, Development Services Land Use Division

8. Right of Way Permit Required: A City of Bellevue Right of Way Permit is required for all activity within the public Right of Way.

Authority: Bellevue City Code 14.30
Reviewer: David Pyle, Development Services Department

9. Right of Entry Agreements Required: Prior to commencement of construction on private property, Right of Entry agreements must be obtained and submitted to the City's Permit Center.

Authority: Bellevue City Code 23.76
Reviewer: David Pyle, Development Services Department

10. Boring Location Revisions: Boring locations may be moved if the revised location does not locate the boring in an area where more impact is required and does not locate the work within a critical area.

Authority: Land Use Code 20.30.P
Reviewer: David Pyle, Development Services Department

11. Number of Borings Within Critical Areas Buffers: The number of borings allowed under this permit within Critical areas buffers is 11. See Attachment 2 for a boring locator sheet that identifies the location of allowed borings.

Authority: Land Use Code 20.30.P
Reviewer: David Pyle, Development Services Department

12. Tree Removal: Tree removal related to the mobilization and operation of

drilling equipment is prohibited accept where no feasible alternative to avoid tree removal exists. Any trees removed must be replaced at a ratio of 3:1 and be done in accordance with the City's Critical Areas Handbook.

Authority: Land Use Code 20.30.P
Reviewer: David Pyle, Development Services Department

13. Timing For Restoration Activity: Temporary disturbance associated with the mobilization and operation of drilling equipment must be restored within 30 days following the completion of drilling activity at each site in accordance with LUC 20.25H.220.H.

Authority: Land Use Code 20.25H.220.H
Reviewer: David Pyle, Development Services Department

14. Groundwater Monitoring Wells: Piezometers could remain in place for up to eight years (with property owner permission) to allow for groundwater monitoring over a period sufficient to provide meaningful design data. The site surrounding each piezometer must be restored upon removal. The placement and operation of a piezometer at a boring location does not relieve the applicant from restoring areas of temporary disturbance within Critical areas buffers related to the mobilization and operation of drilling equipment within 30 days following the completion of drilling activity for each site as required.

Authority: Land Use Code 20.25H.220.H
Reviewer: David Pyle, Development Services Department

15. Site Management BMPs: Best management practices will be implemented to ensure that sediments do not enter the critical areas. The total area of disturbance will be minimized and only minor clearing of vegetation is anticipated. Site management practices must be reviewed and approved as part of the Clearing and Grading Permit and reviewed with the Clearing and Grading Inspector as part of the Pre-Construction Meeting.

Authority: Bellevue City Code 23.76
Reviewer: David Pyle, Development Services Department

16. Spill Management: In the event of a spill a report must be immediately filed with the City of Bellevue Clearing and Grading Inspector and the Washington State Department of Ecology and appropriate clean-up action taken.

Authority: Bellevue City Code 23.76
Reviewer: David Pyle, Development Services Department

Index Grid 14

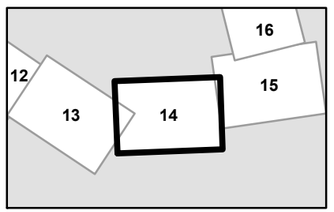
1:2,400 Series
East Link Project
September 2009

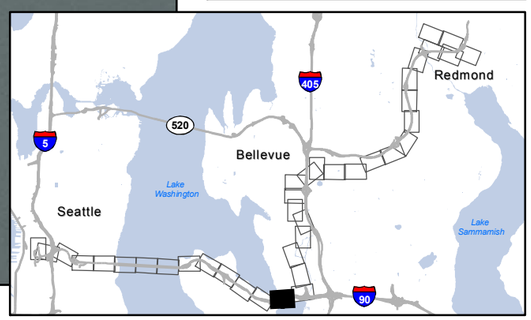
- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
- Area 250 ft From Shorelines, Streams and other Water Bodies
- Parcel with PIN

Aerial Photo: Sound Transit (2005)

N

0 100 200 Feet





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Index Grid 15

1:2,400 Series
East Link Project
September 2009

- Proposed Boring Location
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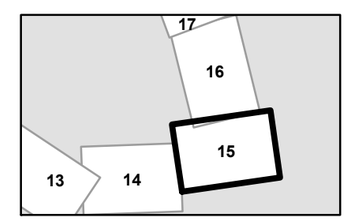

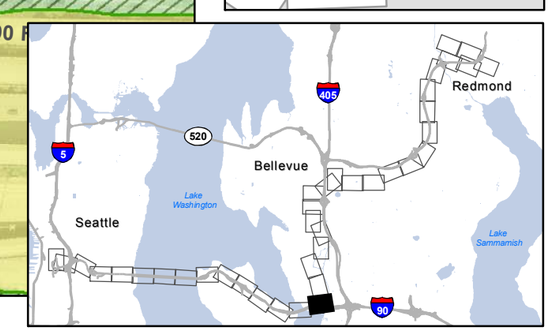

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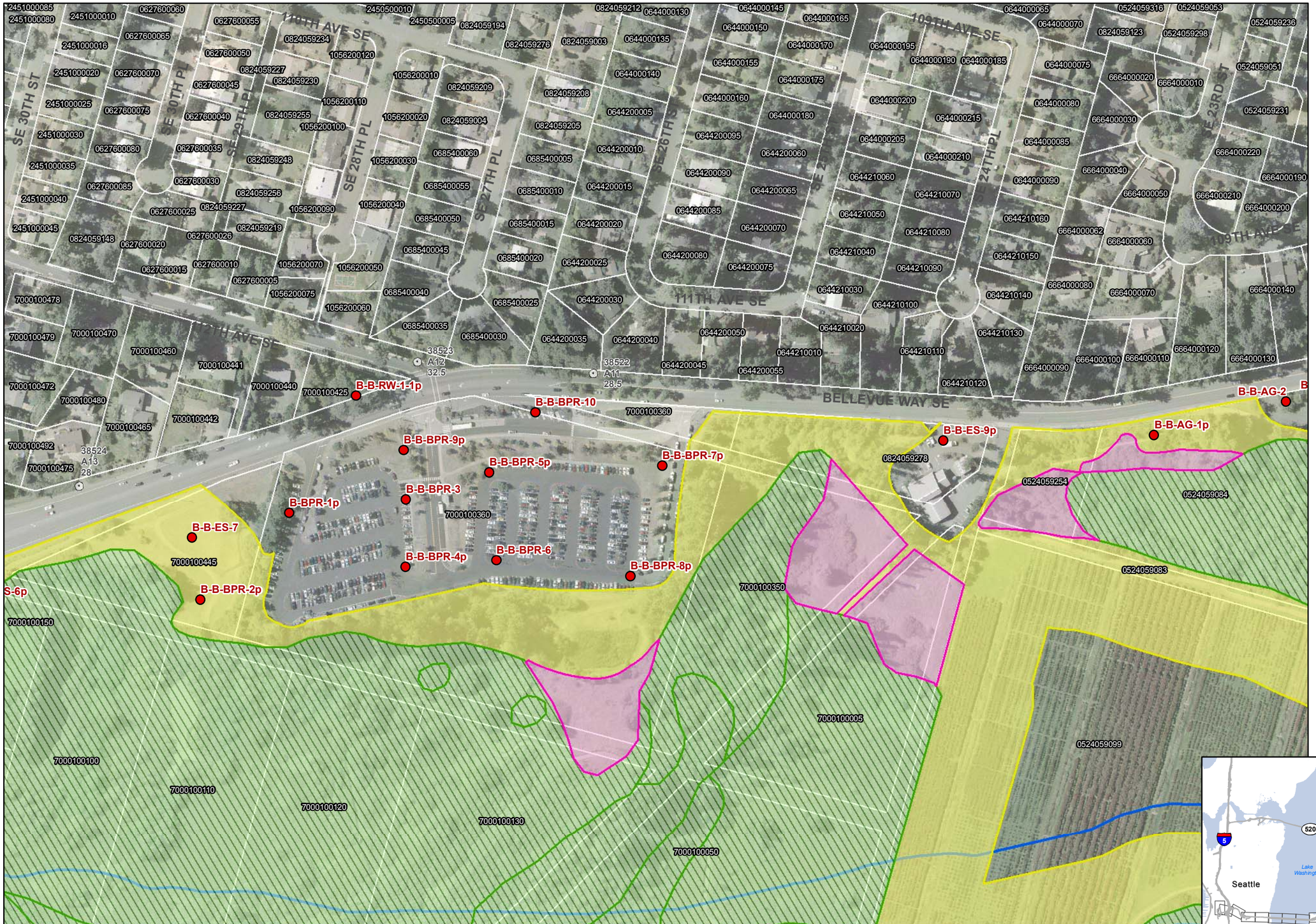

Index Grid 16

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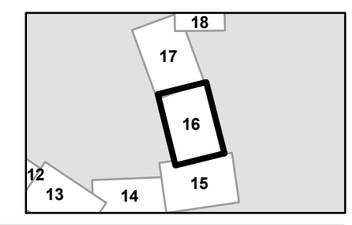

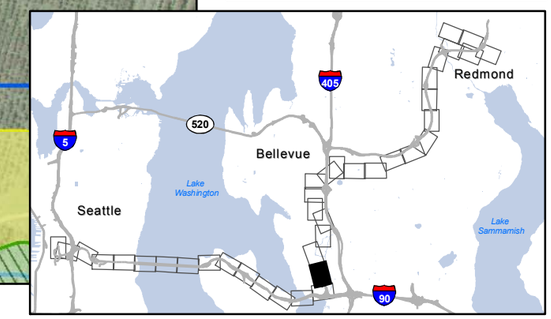

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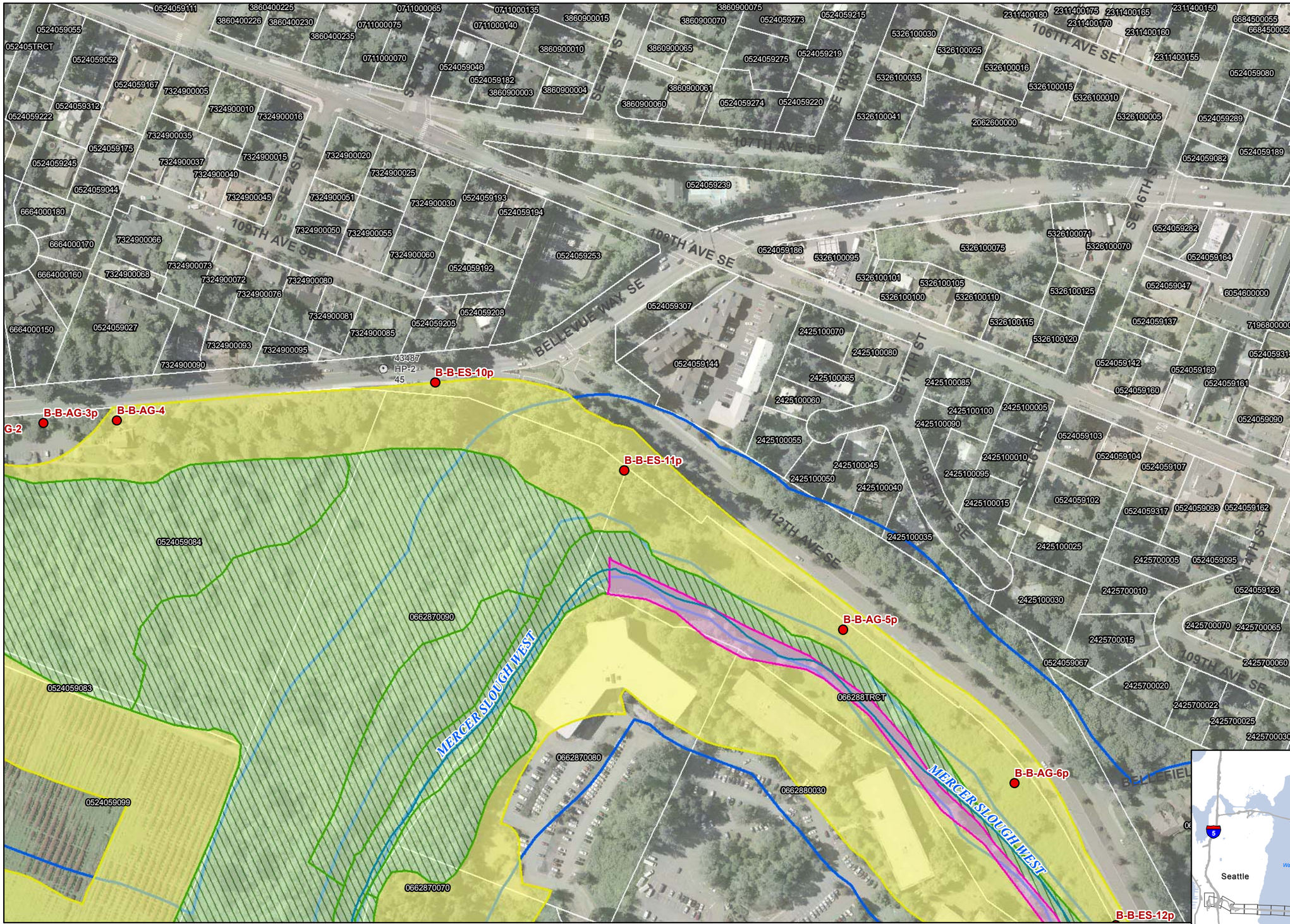

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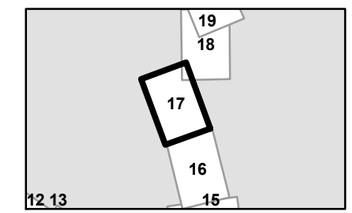
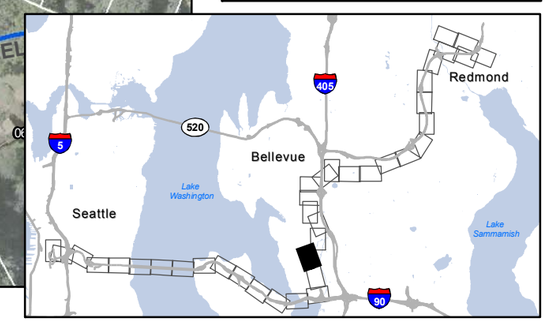
0 100 200 Feet





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Index Grid 18

1:2,400 Series
East Link Project
September 2009

- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
- Area 250 ft From Shorelines, Streams and other Water Bodies
- Parcel with PIN

Aerial Photo: Sound Transit (2005)

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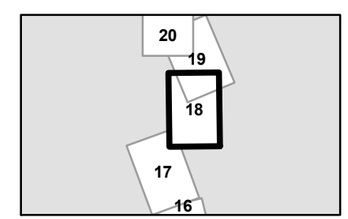

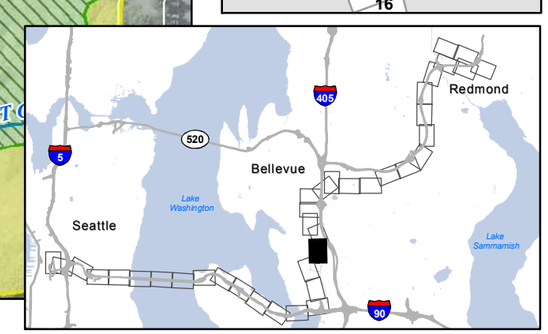

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Index Grid 19

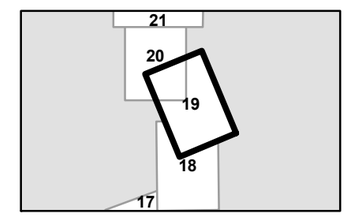
1:2,400 Series
East Link Project
September 2009

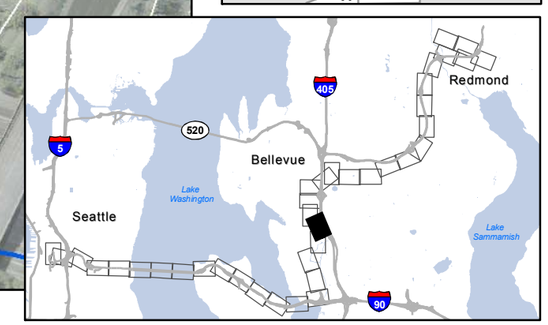
- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
- Area 250 ft From Shorelines, Streams and other Water Bodies
- Parcel with PIN

Aerial Photo: Sound Transit (2005)

N

0 100 200 Feet





B-B-ES-16p
B-C-ES-1p
B-C-ES-2
B-C-ES-3
B-C-ES-4p
B-C-EMS-1
B-C-EMS-2p
B-C-PT-1p

STURTEVANT CREEK
111TH AVE SE
112TH AVE SE
114TH AVE SE
110TH AVE SE
110TH PL SE
109TH AVE SE
SE 4TH ST
SE 6TH ST
SE 2ND ST
MAIN ST
I-405 FRWY
LAKE HILLS CONNECTOR RD

\\SIMBA\PROJ\SOUNDTRANSIT\341526\GIS\MAPFILES\CIVIL\GEOTECH\MAPBOOKS\MB_GEOTECH_11X17_200K_BELLEVUE.MXD DMORIN1 9/14/2009

Index Grid 20

1:2,400 Series
East Link Project
September 2009

- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
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- Parcel with PIN

Aerial Photo: Sound Transit (2005)

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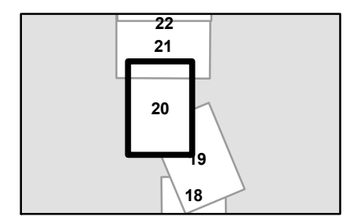

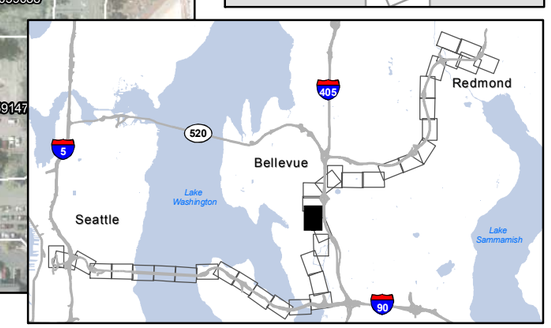

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Index Grid 21

1:2,400 Series
East Link Project
September 2009

- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
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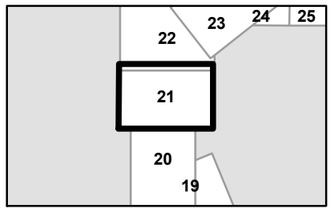
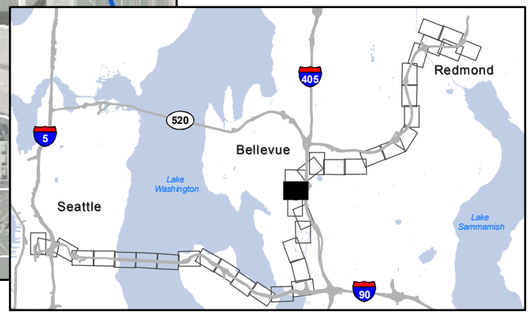
Aerial Photo: Sound Transit (2005)

N

0 100 200 Feet





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Index Grid 22

1:2,400 Series
East Link Project
September 2009

- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
- Area 250 ft From Shorelines, Streams and other Water Bodies
- Parcel with PIN

Aerial Photo: Sound Transit (2005)

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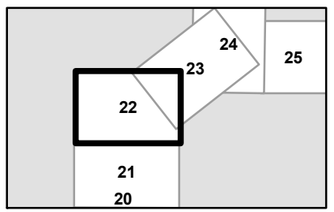

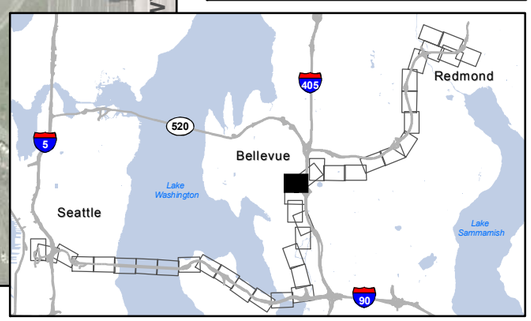

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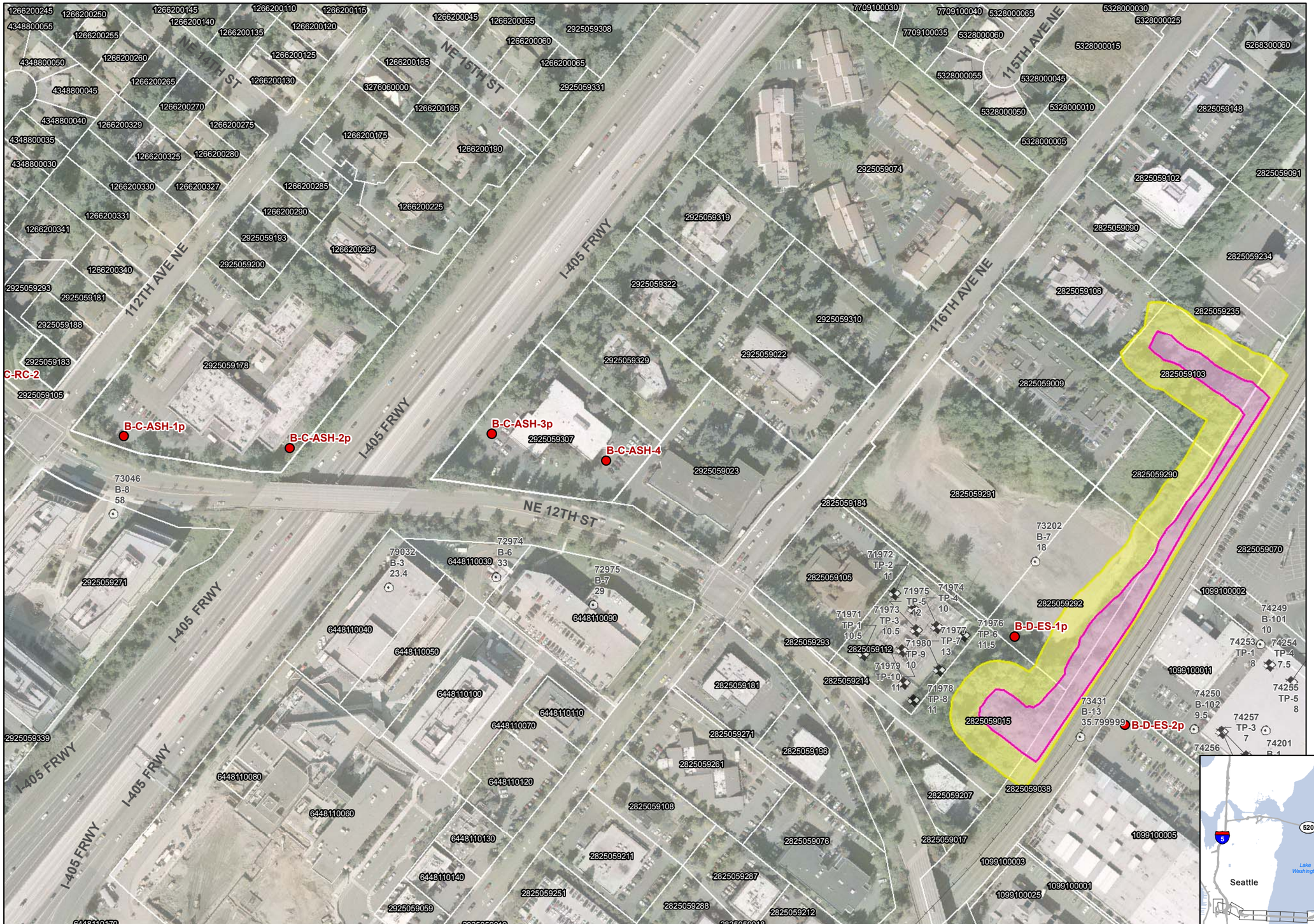


Index Grid 23

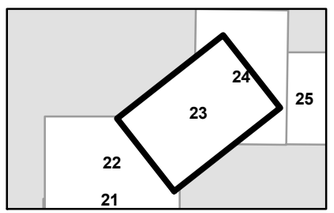
1:2,400 Series
East Link Project
September 2009

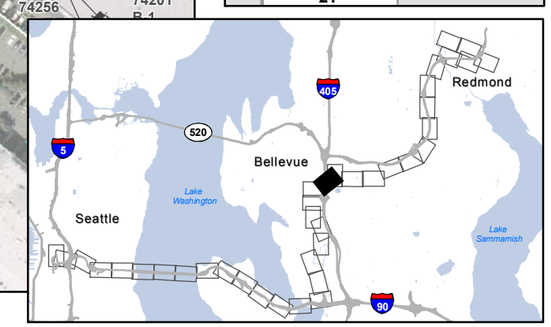
- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
- Area 250 ft From Shorelines, Streams and other Water Bodies
- Parcel with PIN

Aerial Photo: Sound Transit (2005)

N

0 100 200 Feet





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Index Grid 24

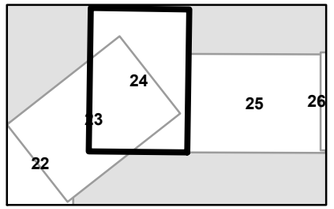
1:2,400 Series
East Link Project
September 2009

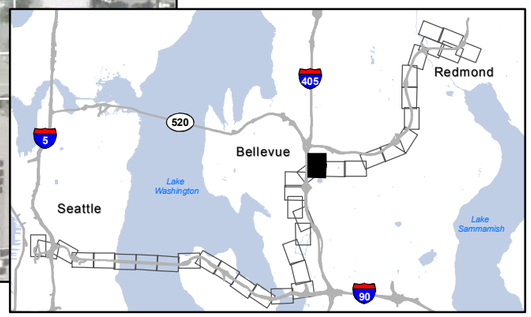
- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
- Wetland (Field Collection 2007)
- Wetland Buffer
- 100 ft Stream Buffer
- Area 250 ft From Shorelines, Streams and other Water Bodies
- Parcel with PIN

Aerial Photo: Sound Transit (2005)

N

0 100 200 Feet





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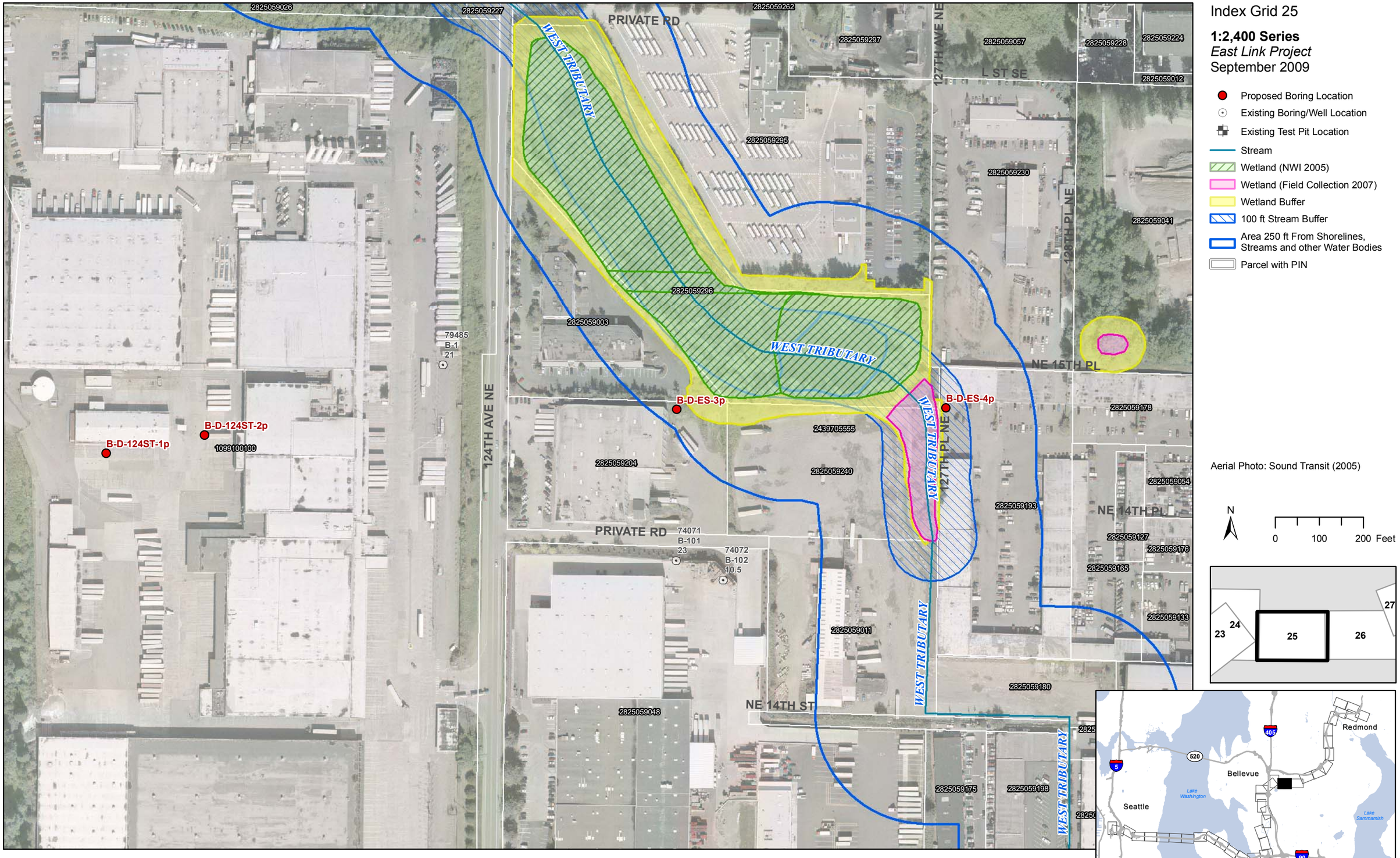

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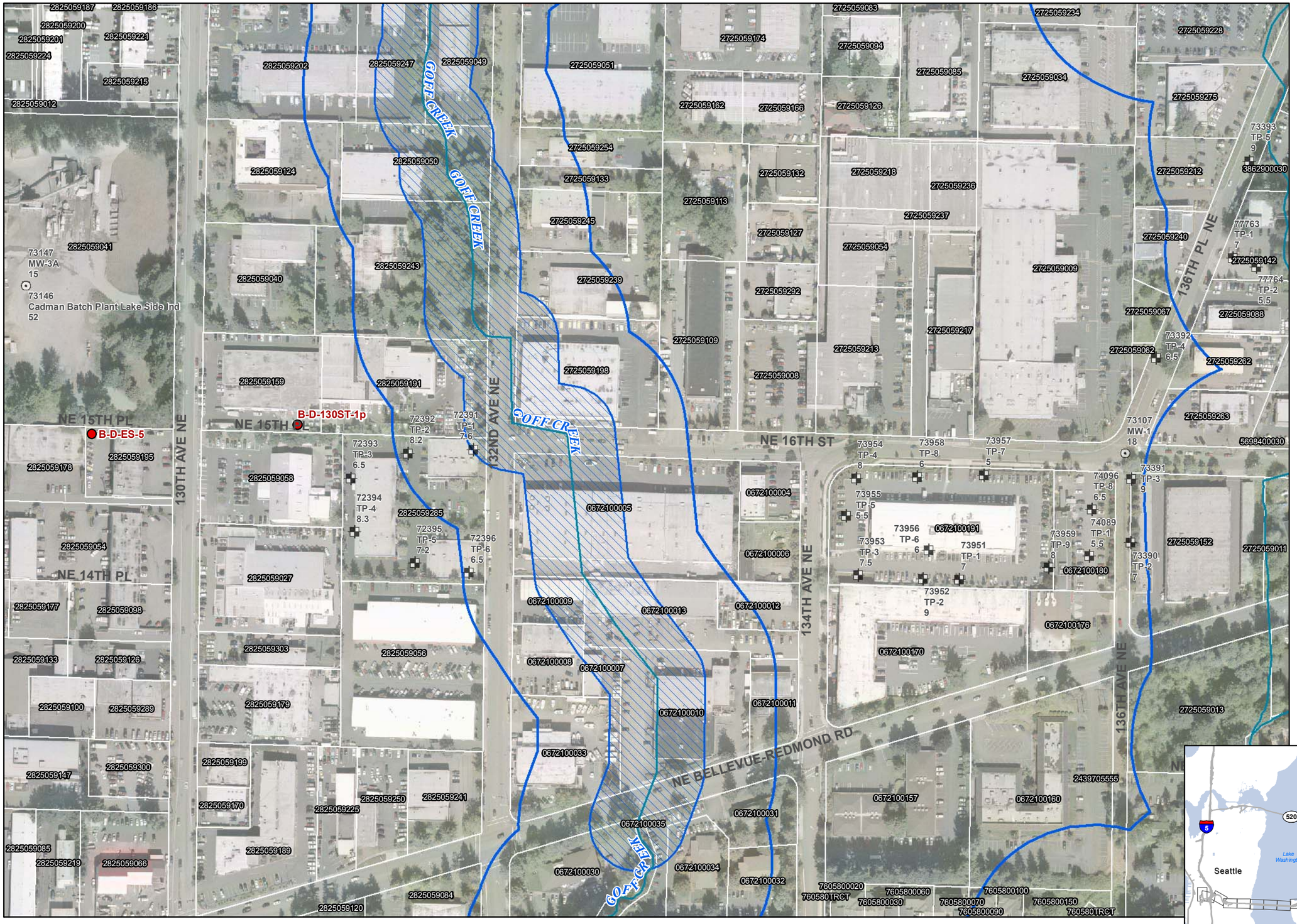

Index Grid 26

1:2,400 Series
East Link Project
September 2009

- Proposed Boring Location
- Existing Boring/Well Location
- Existing Test Pit Location
- Stream
- Wetland (NWI 2005)
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- Wetland Buffer
- 100 ft Stream Buffer
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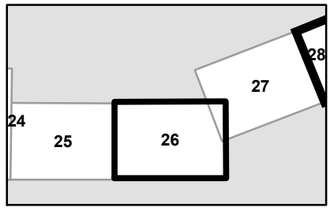
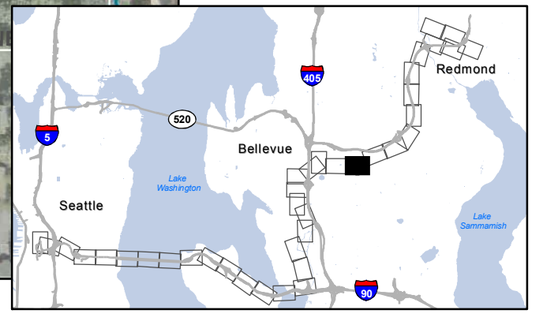
Aerial Photo: Sound Transit (2005)

N

0 100 200 Feet





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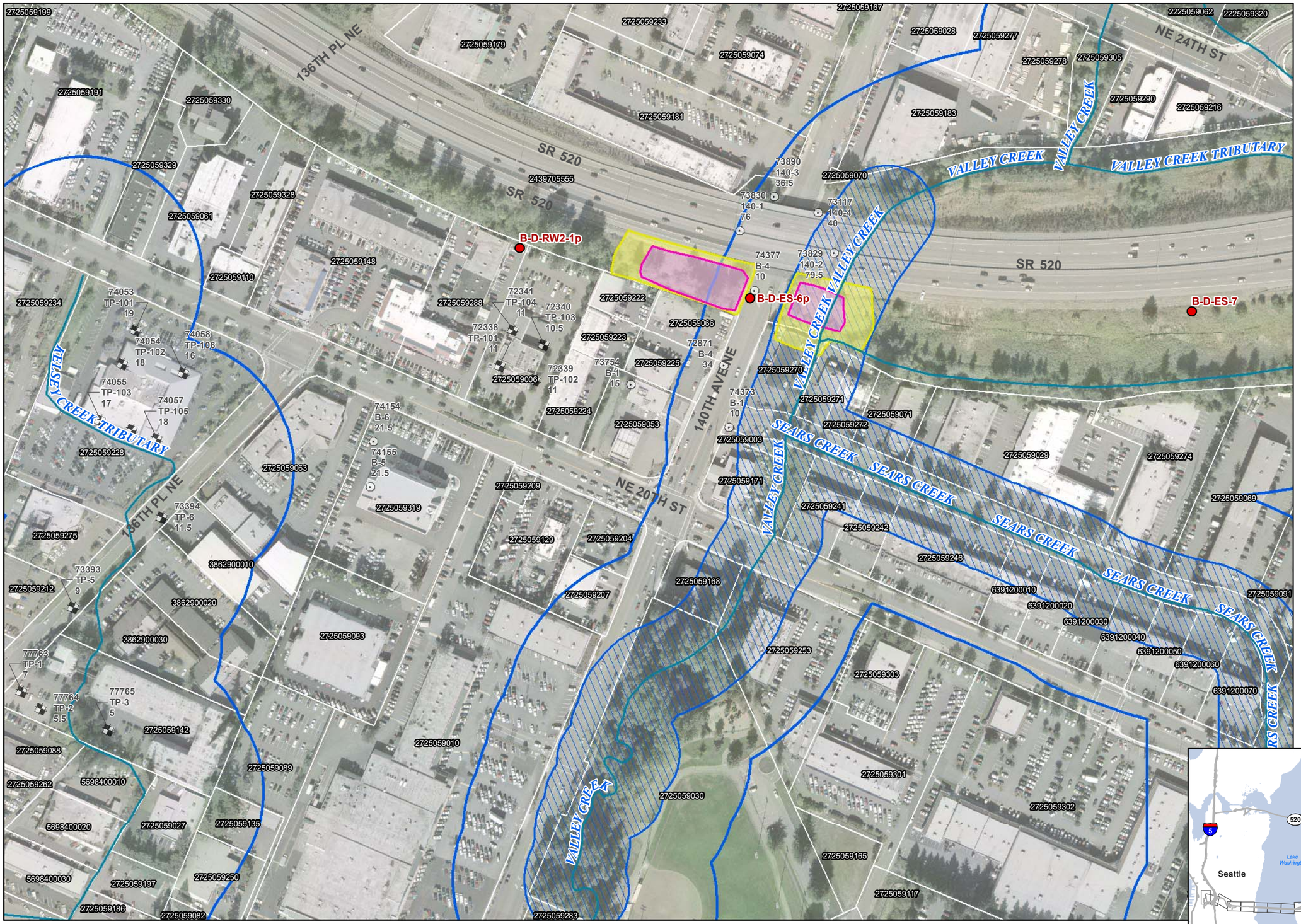

Index Grid 27

1:2,400 Series
East Link Project
September 2009

- Proposed Boring Location
- Existing Boring/Well Location
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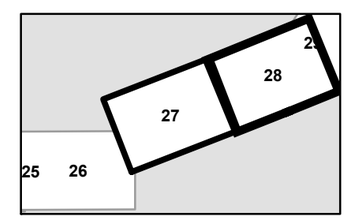
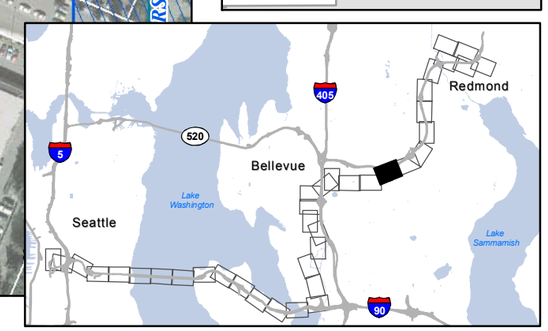
Aerial Photo: Sound Transit (2005)

N

0 100 200 Feet





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Index Grid 28

1:2,400 Series
East Link Project
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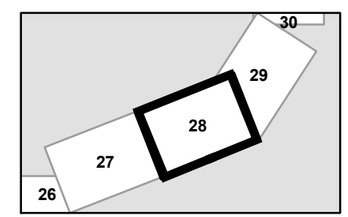
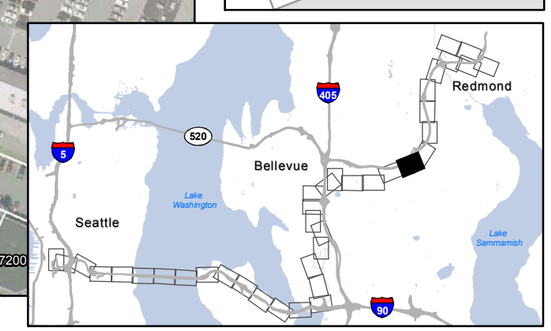
N

0 100 200 Feet





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Attachment 2 - East Link Project Geotechnical Critical Areas Borings Locator Sheet

Table 1. Summary of Exploration Locations Within Critical Area Buffers for Segment A				
Soil Boring ID	**Figure Number**	**Parcel Number**	**Site Address**	**Zoning**
N/A	N/A	N/A	N/A	N/A

Table 2. Summary of Exploration Locations Within Critical Area Buffers for Segment B				
Soil Boring ID	**Figure Number**	**Parcel Number**	**Site Address**	**Zoning**
B-B-ES-7	16	7000100445	SOUTH OF SOUTH BELLEVUE PARK & RIDE	R-1
B-B-ES-10p	17	N/A	COB ROW	N/A
B-B-ES-11p	18	0662870090	EAST OF BELLEVUE WAY SE	R-1
B-B-ES-12p	18	066288TRCT	EAST OF 112th AVENUE SE	O
B-B-BPR-2p	16	7000100445	SOUTH OF SOUTH BELLEVUE PARK & RIDE	R-1
B-B-AG-1p	16	0524059084	2102 BELLEVUE WAY SE	R-1
B-B-AG-4	17	0524059084	2102 BELLEVUE WAY SE	R-1
B-B-AG-5p	17	066288TRCT	EAST OF 112th AVENUE SE	O
B-B-AG-6p	17	066288TRCT	EAST OF 112th AVENUE SE	O

Table 3. Summary of Exploration Locations Within Critical Area Buffers for Segment C				
Soil Boring ID	**Figure Number**	**Parcel Number**	**Site Address**	**Zoning**
B-C-ES-3	19	3225059061	300 112TH AVE SE	OLB

Table 4. Summary of Exploration Locations Within Critical Area Buffers for Segment D				
Soil Boring ID	**Figure Number**	**Parcel Number**	**Site Address**	**Zoning**
B-D-ES-4p	25	2825059193	12750 NE 15th PL	LI

City of Bellevue

Post Office Box 90012 ▪ Bellevue, Washington ▪ 98009 9012

Exemption from Shoreline Management
Substantial Development Permit Requirement

To: Ellie Ziegler
Senior Environmental Planner
Sound Transit Legal Department / Environmental Compliance Division
Union Station
401 S. Jackson Street
Seattle, WA 98104-2826

Re: Sound Transit East Link Exploratory Soil Borings and Survey Data Collection

File Numbers: 09-124811-WD / 09-124811-GH

SEPA Determination: This proposal is exempt under WAC 197-11-800(17) as information collection and research. Basic data collection, research, resource evaluation, requests for proposals (RFPs), and the conceptual planning of proposals shall be exempt. These may be strictly for information-gathering, or as part of a study leading to a proposal that has not yet been approved, adopted or funded; this exemption does not include any agency action that commits the agency to proceed with such a proposal.

The proposal to undertake the following activity:

Approval of Critical Areas Land Use Permit to perform exploratory borings and survey work. Portions of proposed work to be located within the Critical Areas Overlay District and the Shoreline Overlay District. Work involves the mobilization of drilling equipment to areas located within the City's Shoreline Overlay District, completion of borings, and removal of equipment. Work may include temporary vegetation removal (clearing). Areas of disturbed vegetation within Critical Areas or their buffers to be restored consistent with LUC 20.25H.220(H) and the City's Critical Areas Handbook.

Within the upland associated with **Lake Washington** and/or associated wetlands;

Is exempt from the requirement of a substantial development permit because:

The activity is categorized as site exploration and investigation activities that are prerequisite to preparation of an application for development authorization under the Shoreline Management Act [WAC 173-27-040(2)(M)].

Inconsistent	Consistent	
	X	Policies of the State Shoreline Management Act (RCW 90.58)
	X	The Bellevue Shoreline Master Program and Comprehensive Plan

Date: 10/28/2008 Signed: [signature]

Note: This exemption does not authorize construction to begin. All other required local, state or federal permits must be obtained before construction can begin. All land use code, building code, City shoreline code and other City regulations must be complied with.

CC: DOE, Attn: David Radabaugh, 3190 160th Avenue SE, Bellevue, WA 98008-5452
Dept. of Fish and Wildlife, Attn: Alisa Bieber, 1775 12th Ave. NW Suite 201, Issaquah, WA 98027