



March 15th, 2019

Tricia Juhnke, PE
City Engineer
City of Shoreline
17500 Midvale Avenue N
Shoreline, WA 98133-4905

Subject: Letter of Concurrence – Street Ends and Balance Sheets

Dear Tricia:

The purpose of this letter is to seek concurrence between the City of Shoreline (City) and Sound Transit on frontage improvements and land dedication related to Sound Transit’s Lynnwood Link Extension project (project) pursuant to City code SMC 20.70.320. This letter also serves as concurrence for additional frontage improvements at three street ends (street ends) at 3rd Ave NE, NE 149th St, and NE 178th St. which are not currently part of the project design. The street ends are three specific locations where the City has indicated that additional frontage improvements are required to meet SMC 20.70.320.

The City and Sound Transit agree that Sound Transit will design and build additional roadway at the subject street ends (totaling approximately 11,000 SF of asphalt paving), and that no additional sidewalk/amenity zone/roadway or right of way dedication will be required to meet SMC 20.70.320. The City agrees to work with Sound Transit to develop a final design for the subject street ends that avoids or minimizes City requirements for additional drainage infrastructure, and is sized and located to avoid wetland impacts, while still meeting minimum City engineering design standards. The City and Sound Transit also commit to pursuing cost efficient options to meet City code, such as: applying Stormwater Manual flexibility to threshold determinations; and/or, allow the street ends to be built by another developer, within a mutually agreeable timeframe, whose project triggers the same frontage improvement code.

Attachment 1 (Balance Sheet) includes plan-view maps indicating each location where City code modifications or deviations are proposed from standard frontage improvement requirements. The Balance Sheet also provides corresponding tables with approximate square footage calculations of standard frontage improvements required by City code, deviations from frontage improvements included in the project’s current design (as previously agreed by the City and Sound Transit), and the related standard or modified right of way dedications or easements agreed upon between Sound Transit and Shoreline staff.

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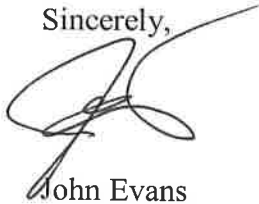
The Shoreline Municipal Code does not contemplate a linear public transit project like the project. As such, the City agrees that some code modifications and deviations are acceptable, as they meet the intent of the code and/or provide additional public benefits commensurate with the impacts of the project, where impacts exist. As proposed in the project's Special Use Permit (SUP) application, the code modifications and deviations from frontage improvements are justified by the project's limited impact on the subject streets, the extensive station-area roadway mitigation provided by the project, and Sound Transit's collaborative work with the City for the project to include shared-use path improvements that would be integrated into the City's Trail Along the Rail Project.

The City supports recommending the above approach and associated deviations and code modifications to the Hearing Examiner for the project's SUP application. This support is based in part on Sound Transit's collaboration with and inclusion of City-requested shared-use sidewalks and paths that are more expensive to design and build yet provide greater public benefit than standard frontage improvements by providing safer connections between neighborhoods and the new light rail stations.

Sound Transit and the City will pursue the contemplated frontage improvements and right of way dedications or easements addressed in this letter of concurrence consistent with the Funding and Intergovernmental Cooperative Agreement (Funding Agreement, dated Feb 2, 2018). These frontage improvements and dedications are a separate process from that which is required for street vacations identified in the Funding Agreement. Street vacations and compensation will be processed consistent with applicable federal, state, and local requirements as provided in the Funding Agreement.

The City's concurrence is indicated by signing below on both copies and returning one copy of this letter to Sound Transit. Sound Transit greatly appreciates your and the City's continued collaborative efforts to delivery high quality transit service to Shoreline. Please contact me at (206-903-7254), or Taylor Carroll at (206-689-4867) with any questions or concerns.

Sincerely,

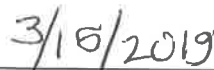


John Evans
North Corridor Development Manager
Sound Transit

Attachment 1: City of Shoreline ROW Dedication and Alternative Improvement Plan

City of Shoreline Concurrence:





Tricia Juhnke, PE, City Engineer, City of Shoreline

DATE

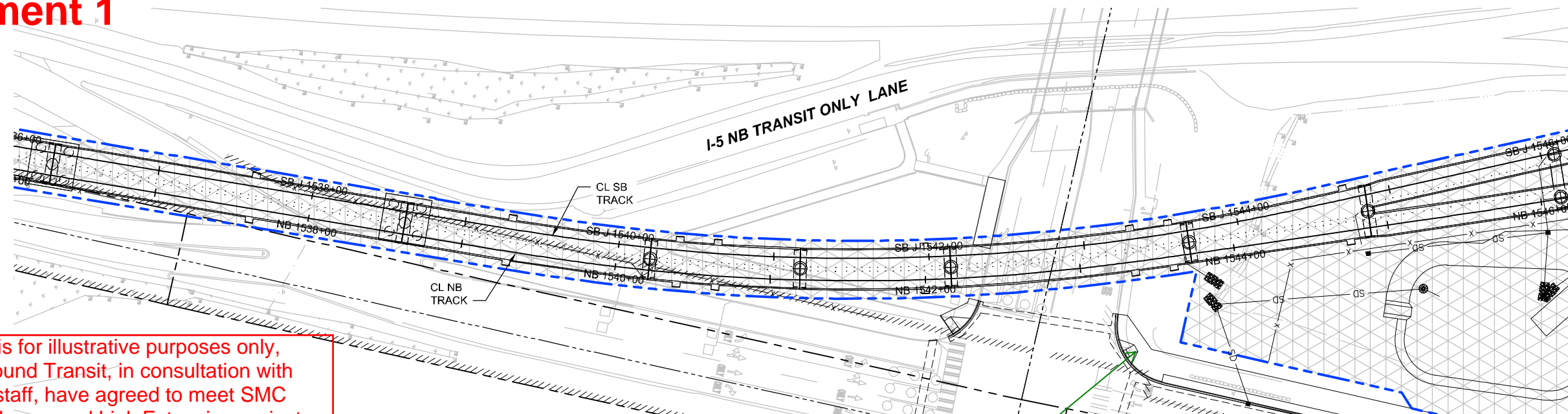
CC:

John Norris, Assistant City Manager, City of Shoreline
Juniper Nammi, Sound Transit Project Manager, City of Shoreline
Rod Kempkes, Executive Project Director, Sound Transit
Fred Wilhelm, Deputy Executive Project Director, Sound Transit
Patrice Hardy, North Corridor Government Relation Manager, Sound Transit
Taylor Carroll, Sound Transit Project Manager, Sound Transit
Fouad Chihab, North Corridor Design Manager, Sound Transit
Jon Jordan, Segment Design Manager, Sound Transit
Janni Baugh, Closing and Records Supervisor, Sound Transit

Attachment 1

NE 1/4 NW 1/4 SEC 20, T 26 N, R 4 E; W.M.

SE 1/4 SW 1/4 SEC 17, T 26 N, R 4 E; W.M.

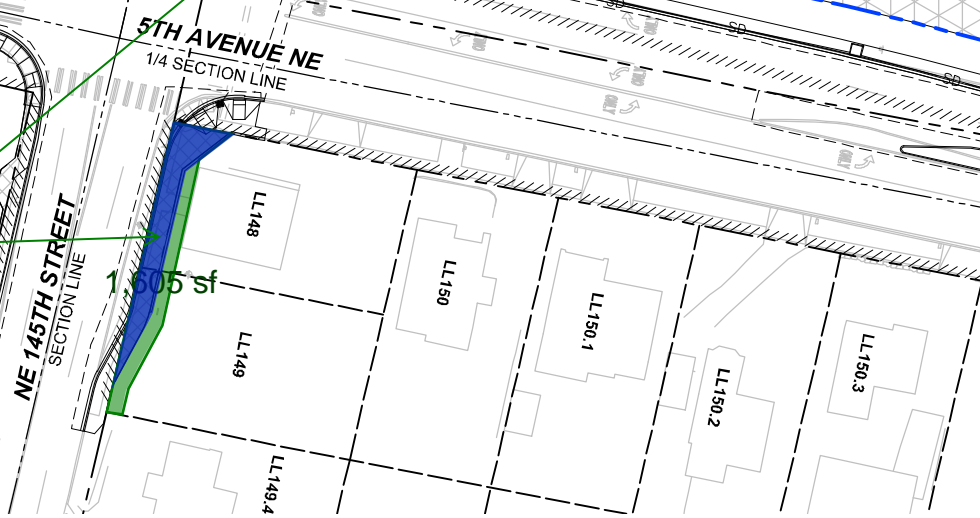


NOTE: This Plan is for illustrative purposes only, displaying how Sound Transit, in consultation with City of Shoreline staff, have agreed to meet SMC 20.70.320 for the Lynnwood Link Extension project through the City. It is the intent of Sound Transit to provide the identified infrastructure improvements, trail in lieu, and ROW dedications in the selected locations. Should design changes that affect this Plan be necessary, details will be subject to consultation with the City per applicable regulations. All details of the Plan will be verified and consistent with the Funding and Intergovernmental Cooperative Agreement, as the project advances through the City's permitting processes. Any reference to property subject to ROW Vacations and subsequent ROW dedications will be managed separately according to all applicable local, state, and federal regulations.

ST-COS ROW Balance Sheet #1 -
 Standard frontage improvements required within City Limits (~1,605 SF).
 Dedication to WSDOT within I-5 Limited Access Area (~928 SF) Limited Access Line adjustment needed.

- Deviation needed for 7' sidewalk and no amenity zone at northeast corner.
- Bike compatible ramps at northwest corner of intersection connecting to shared-use sidewalk north.

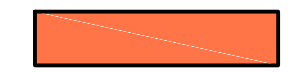
JACKSON PARK GOLF COURSE



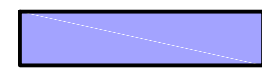
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SW 1/4 SE 1/4 SEC 17, T 26 N, R 4 E; W.M.

LEGEND



PROPERTY DEDICATED TO THE CITY PER SMC 20.70.120



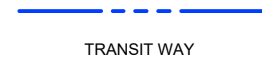
EASEMENT GRANTED TO THE CITY

2,314 sf

AREA OF MINIMUM ROW DEDICATION, MODIFIED BY STREET VACATION COMPENSATION AGREEMENT



STANDARD DEDICATION PER SMC 20.70.120 TO BE MODIFIED BY DEVIATION

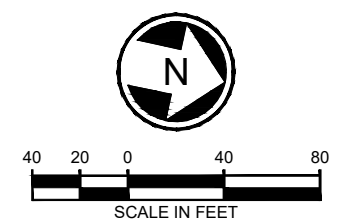


TRANSIT WAY

Balance Sheet # - Description of Standard ROW improvements or Improvement with Deviation/Code Modification.

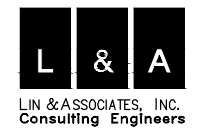
Page REVISED 4/9/2019

City of Shoreline - 2/10/2019 ROW Dedication and Alternate Improvement Plan



100% SUBMITTAL

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



SCALE: 1"=40'
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CONTRACT No.:
DATE: 05/26/2017

**SOUND TRANSIT
LYNNWOOD LINK EXTENSION**

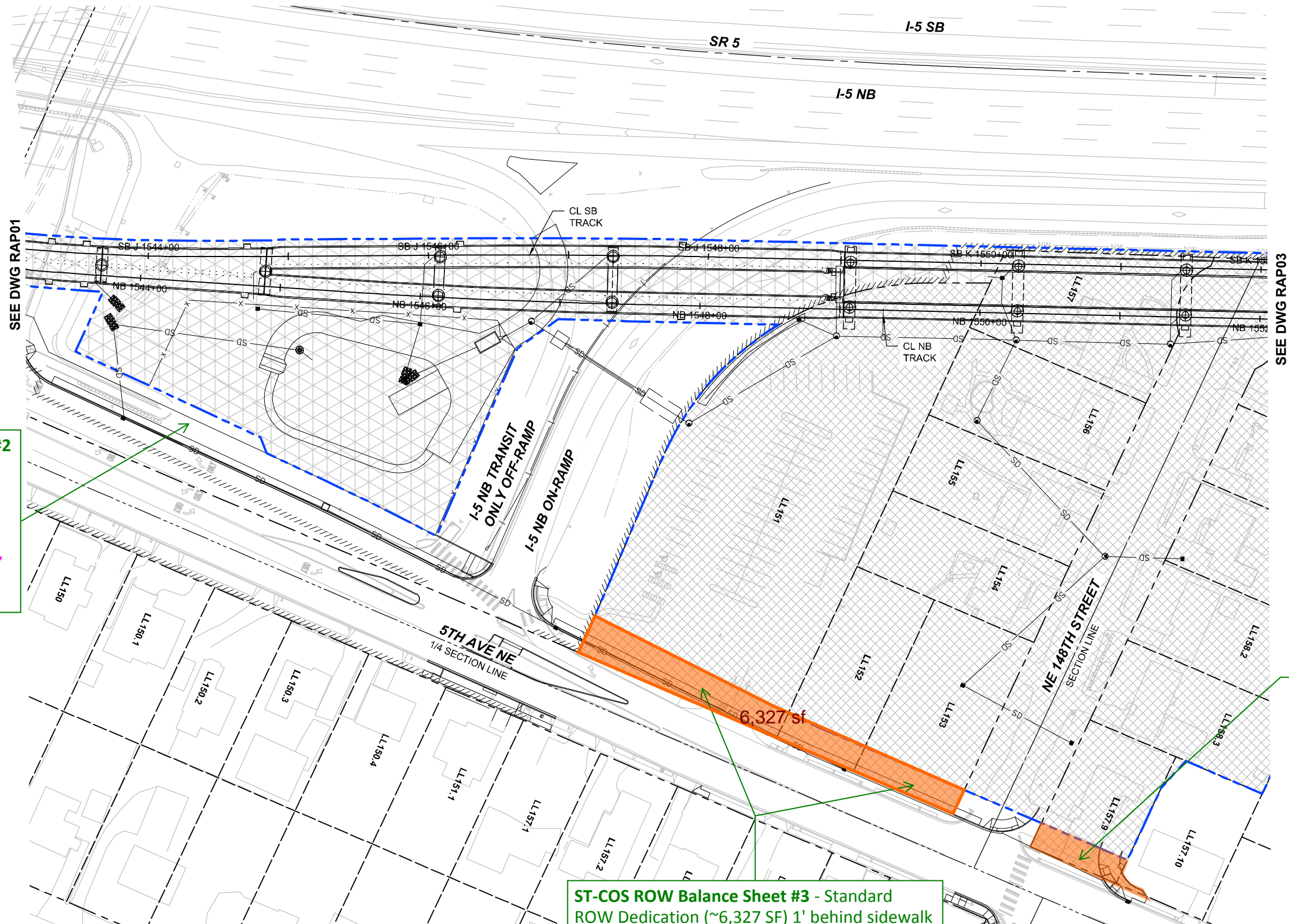
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RIGHT OF WAY ACQUISITION PLAN

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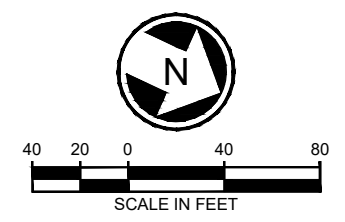
ST-COS ROW Balance Sheet #2
 - Standard Improvements of 14' sidewalk and 5' amenity zone.
 - No ROW Dedication needed, WSDOT ROW. Limited Access Line adjustment needed.

ST-COS ROW Balance Sheet #3 - Standard ROW Dedication (~6,327 SF) 1' behind sidewalk to City for Standard Frontage Improvements of 14' sidewalk and 5' amenity zone.
 - Limited Access Line adjustment needed.

See next sheet.

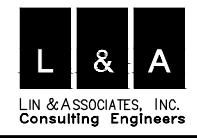
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City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan



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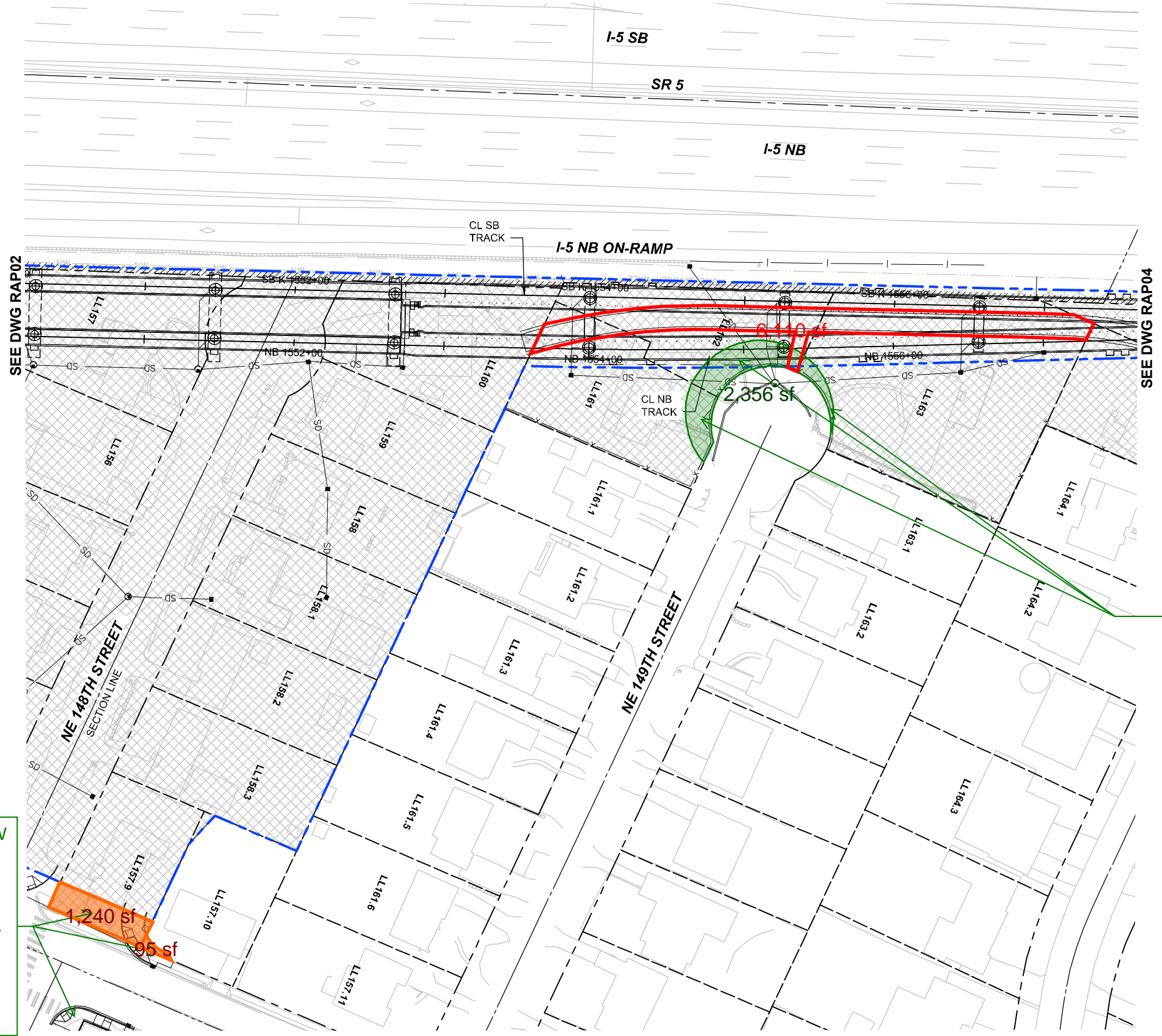
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ST-COS ROW Balance Sheet #6 - ROW
 dedication from LL-161, 162, & 163 for and
 minimum dedication for shared-use path
 improvements (~6,110 SF).

See Shoreline RAP Exhibit #7 for modified
 ROW dedication as street vacation
 compensation.

- Deviation needed for 14' shared-use path
 from station site to 3rd ave NE and NE 151st
 Street with 8' shared-use connection to
 149th Street end in lieu of standard sidewalk
 and amenity zone; and

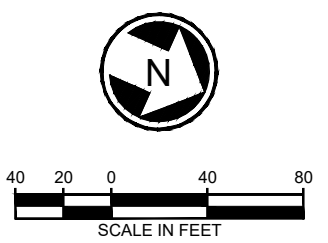
- Deviation for minimum paving of existing
 80' ROW with curb and drainage, if needed,
 for adequate for vehicular turnaround in lieu
 of standard improvements with dedication
 for 100' cul-de-sac; unless existing is modified
 by adjacent redevelopment prior to roadway
 improvement construction.

ST-COS ROW Balance Sheet #4 - ROW
 Dedication (~1,335 SF) to City from
 LL157.9 and 157.10 for Standard
 Frontage Improvements including
 ADA/Corner Frontage Improvements.

- Rebuild NE corner ramps if existing
 are not to ADA standard.

City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan

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L & A
 LIN & ASSOCIATES, INC.
 Consulting Engineers

HNTB Jacobs
 trusted design partners

SOUNDTRANSIT

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 CONTRACT No.:
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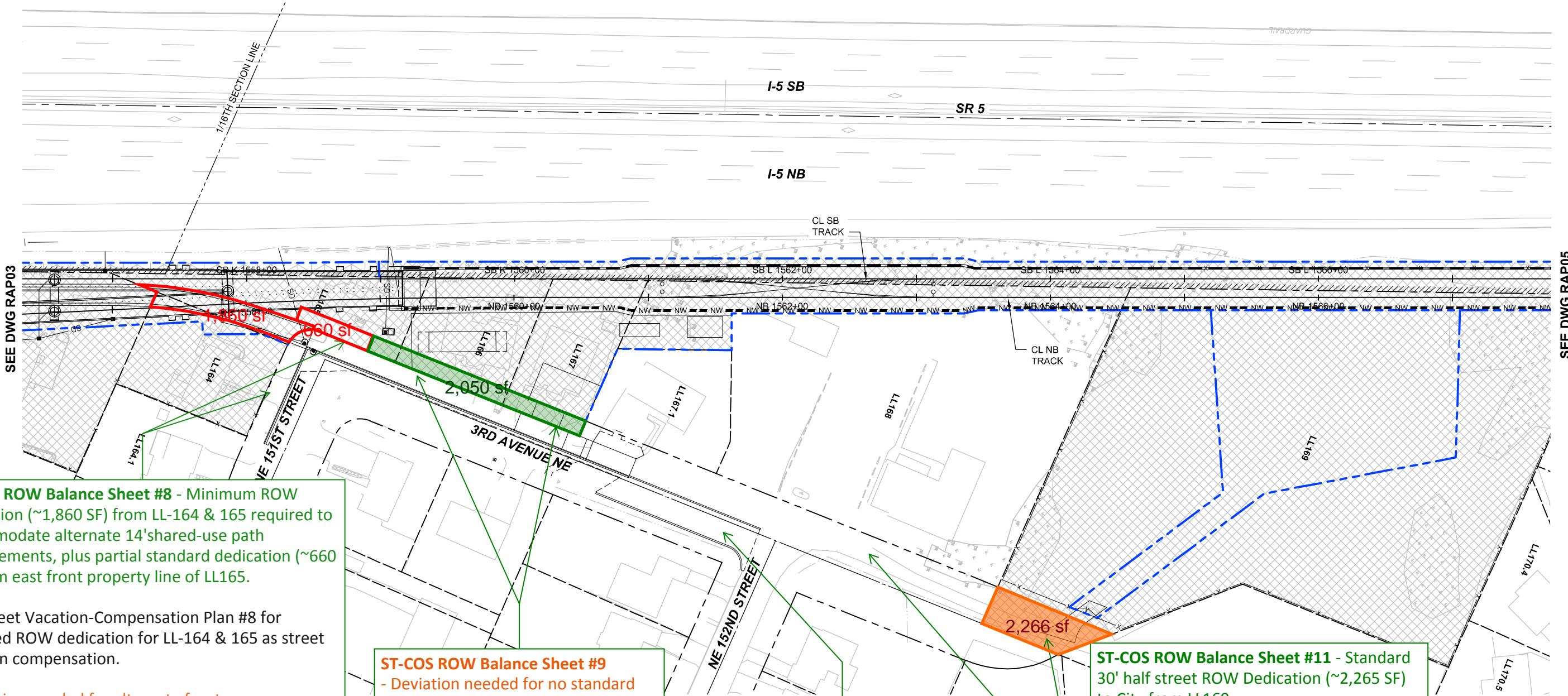
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ST-COS ROW Balance Sheet #8 - Minimum ROW dedication (~1,860 SF) from LL-164 & 165 required to accommodate alternate 14' shared-use path improvements, plus partial standard dedication (~660 SF) from east front property line of LL165.

See Street Vacation-Compensation Plan #8 for modified ROW dedication for LL-164 & 165 as street vacation compensation.

- Deviation needed for alternate frontage improvements of curb only north of LL164 front property line and and 14-foot shared-use path to station site in lieu of standard sidewalk and amenity zone in existing ROW on NE 151st Street; and
- Deviation needed for alternate 14' Share-use sidewalk and curb with no amenity zone east of LL165 front property line.

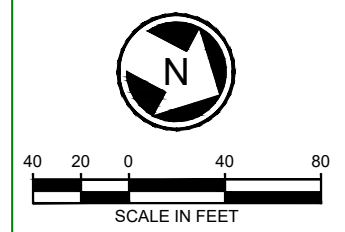
ST-COS ROW Balance Sheet #9
 - Deviation needed for no standard ROW Dedication (2,050 SF) to accommodate TPSS and related ancillary facilities on LL-165, 166, and 167 parcels; and
 - 14' Shared-use path with curb in lieu of standard sidewalk and amenity zone on 3rd Ave NE in front of LL-166 & 167.

ST-COS ROW Balance Sheet #10 - Dedication not applicable.
 - Minimum access improvements of 20' wide paving from current end of 3rd to NE 152nd in lieu of hammer head turnaround for non-motorized and emergency access on 3rd Ave NE.

ST-COS ROW Balance Sheet #11 - Standard 30' half street ROW Dedication (~2,265 SF) to City from LL169.
 - Code modification needed for Minimum improvements of 14' asphalt paving from north edge of NE 152nd street existing paving to 20' into LL169, with curb and drainage, if needed; and
 - Code modification needed for shared-use path in other locations in lieu of standard frontage improvements for LL168 and LL169.

**City of Shoreline - 2/10/2019
 ROW Dedication and Alternate Improvement Plan**

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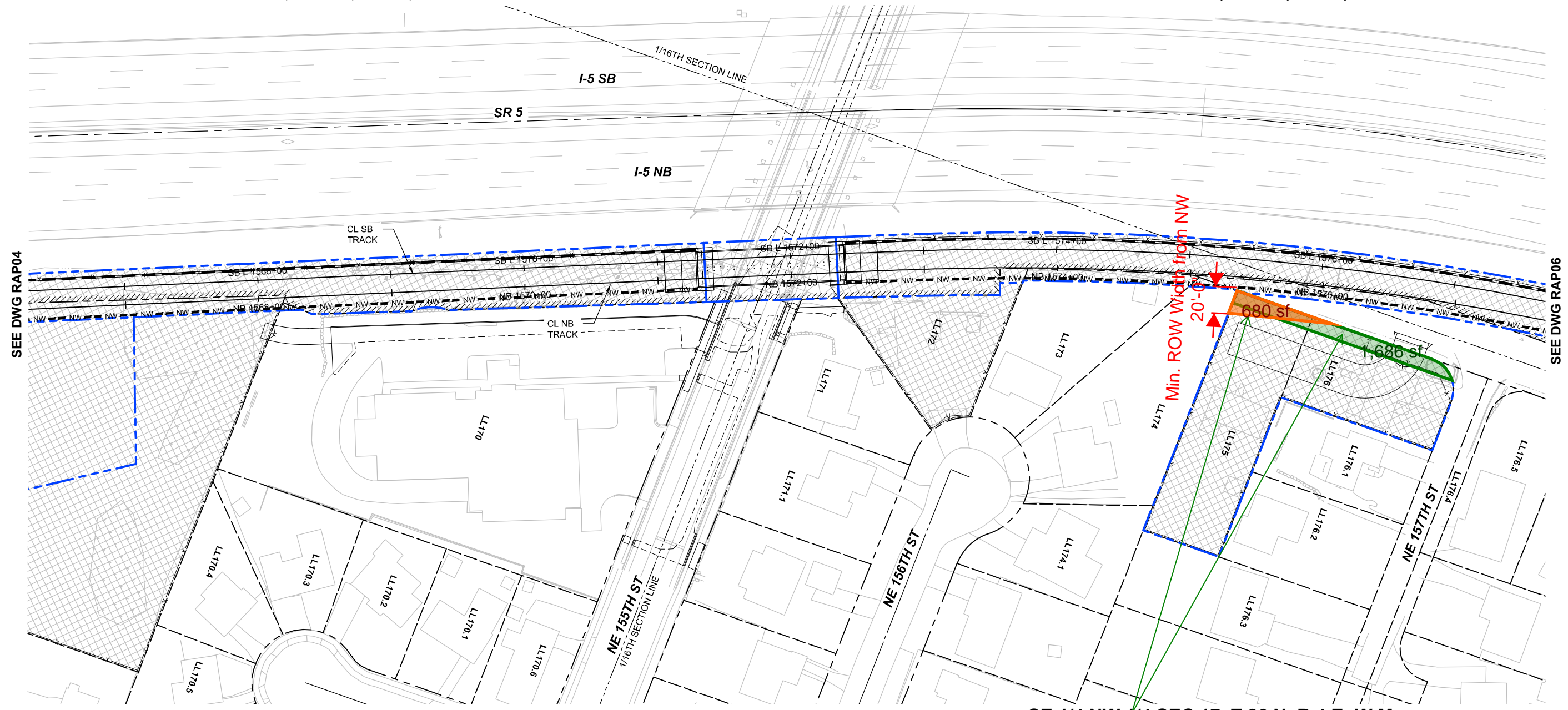
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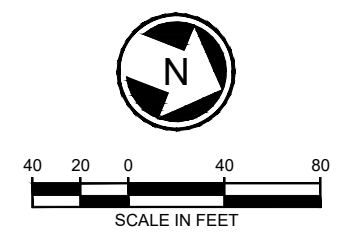
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ST-COS ROW Balance Sheet #15

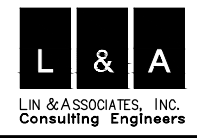
- Code modification needed for no half street frontage improvements in this location; and
- Code modification for only minimum ROW dedication of portion of LL175 & 176 on west side of the parcels sufficient to provide 20' wide ROW (~680 SF) parallel to the Guide Way/ Noise Wall instead of standard 10' dedication (~1,686 SF); wider if necessary to include new sewer main within dedicated ROW.



City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan

100% SUBMITTAL

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 CHECKED BY:
 APPROVED BY:



SCALE: 1"=40'
 FILENAME: LLE-SHLN-RAP01-RAP10
 CONTRACT No.:
 DATE: 02/09/17

SOUND TRANSIT
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 RIGHT OF WAY ACQUISITION PLAN

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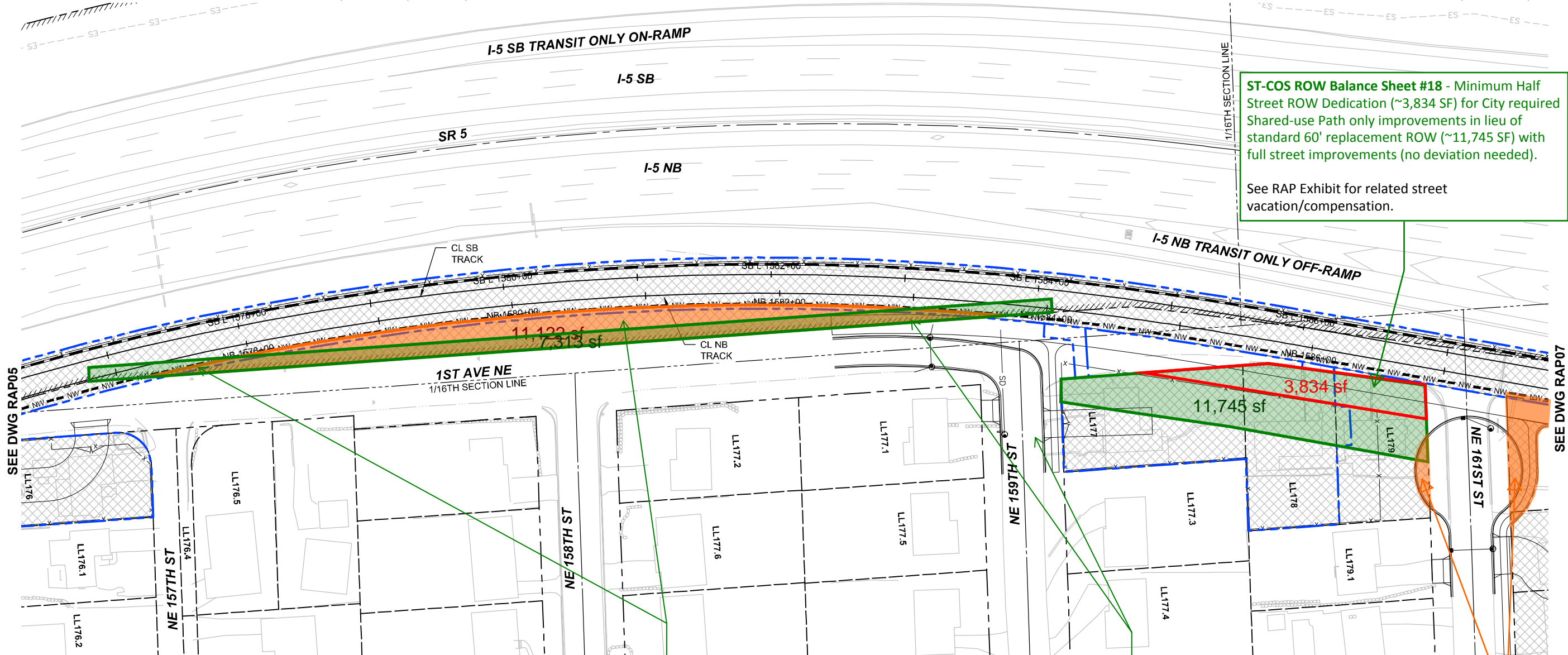
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SW 1/4 NW 1/4 SEC 17, T 26 N, R 4 E; W.M.

NW 1/4 NW 1/4 SEC 17, T 26 N, R 4 E; W.M.



ST-COS ROW Balance Sheet #18 - Minimum Half Street ROW Dedication (~3,834 SF) for City required Shared-use Path only improvements in lieu of standard 60' replacement ROW (~11,745 SF) with full street improvements (no deviation needed).

 See RAP Exhibit for related street vacation/compensation.

ST-COS ROW Balance Sheet #16
 - Code modification needed for alternate ROW Dedication (~11,122 SF) to City as available east of noise wall in lieu of 10' (~7,313 SF) to create standard ROW width; and

 - Code modification needed for no frontage improvements on west side between NE 157th and start of roadway realignment/reconstruction.

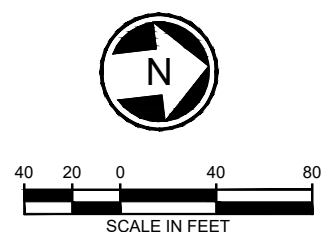
ST-COS ROW Balance Sheet #17
 - Deviation needed for alternate ROW Dedication to City east of noise wall to accommodate proposed shared-use path improvement (see #16 for areas); and

 - deviation needed for alternate road cross sections on 1st Ave NE and NE 159th Street as designed and described in Balance Sheet table.

See next sheet.

City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan

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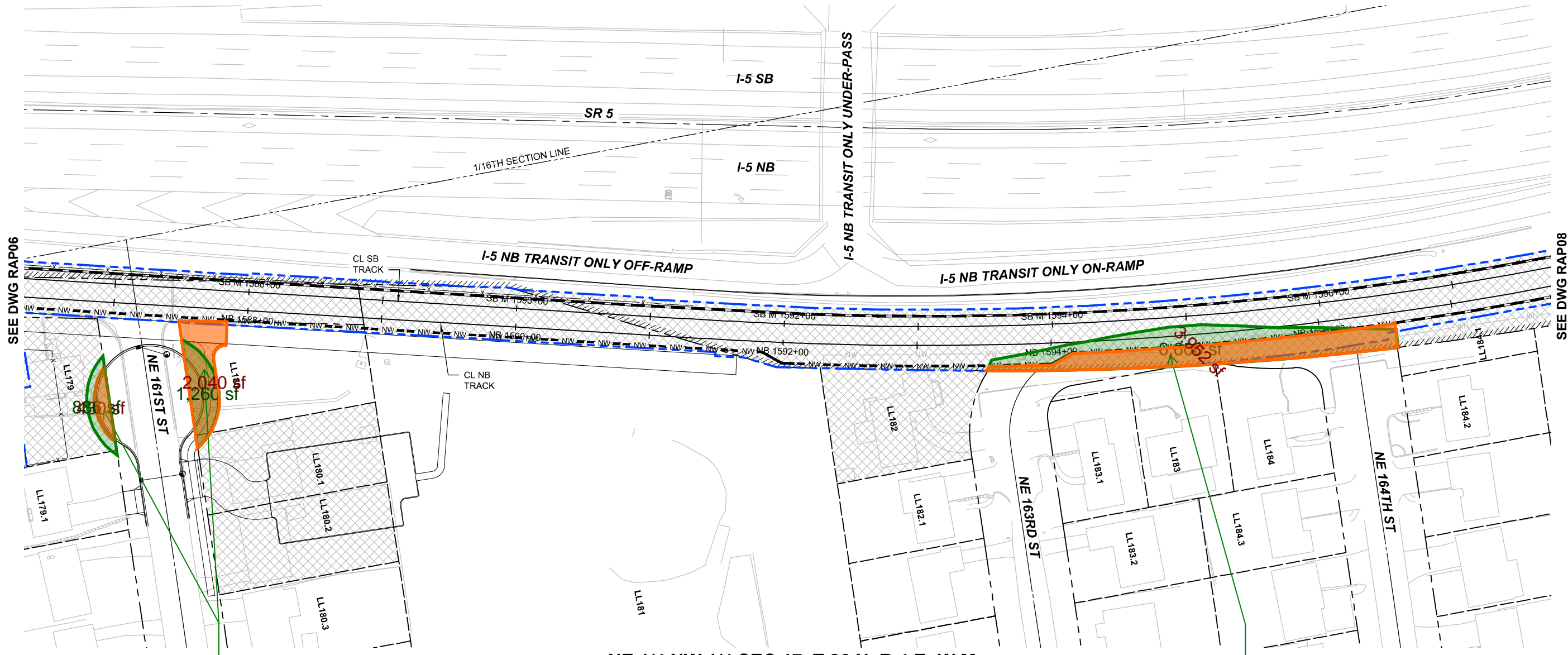


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SEE DWG RAP06

SEE DWG RAP08

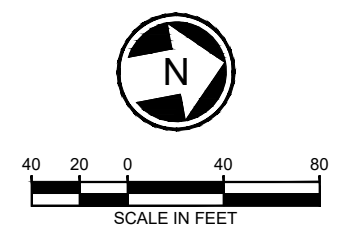
ST-COS ROW Balance Sheet #19
 - Deviation required for modified ROW Dedication (~2,470 SF) of portions of LL179, LL180 (Park property), and LL180.1 in lieu of standard 100' cul-de-sac (~2,146 SF); and
 - Deviation needed modified 80' cul-de-sac and north side only frontage improvements with Shared-use Path to be constructed. Shared-use Path to extend to junction with sidewalk on north side of cul-de-sac only. Portion north in Park to be constructed by City with generally compatible grading by ST.
 See RAP Exhibit for related street vacation/compensation.

ST-COS ROW Balance Sheet #22
 - Code modification needed for alternate ROW Dedication (~3,952 SF) of portion of area acquired from WSDOT adjacent to sub-standard width City ROW to east face of noise wall for planned City trail improvements, instead of standard 30' half street dedication and improvement construction (~6,600 SF).

NE 1/4 NW 1/4 SEC 17, T 26 N, R 4 E; W.M.

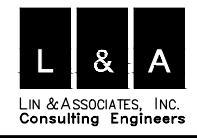
**City of Shoreline - 2/10/2019
 ROW Dedication and Alternate Improvement Plan**

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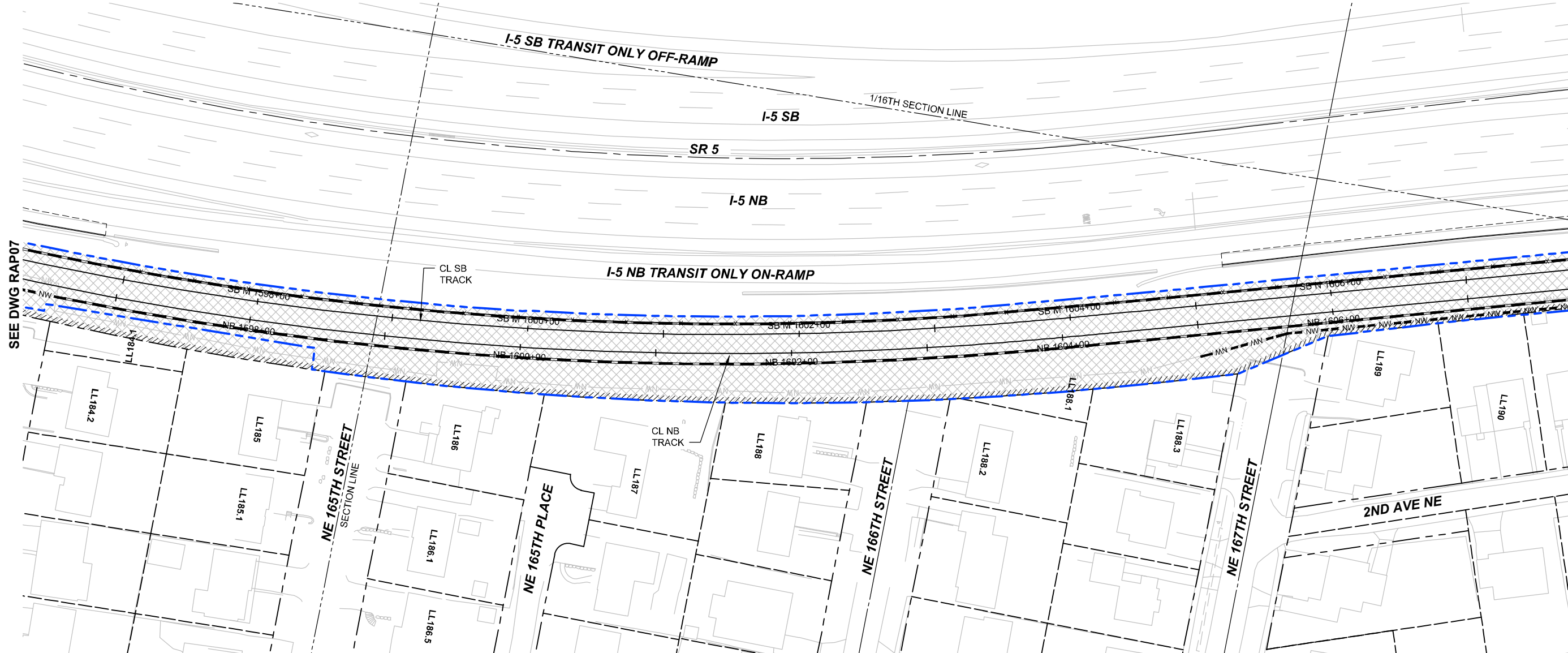
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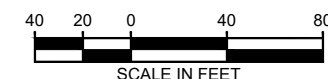
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City of Shoreline - 2/10/2019 ROW Dedication and Alternate Improvement Plan

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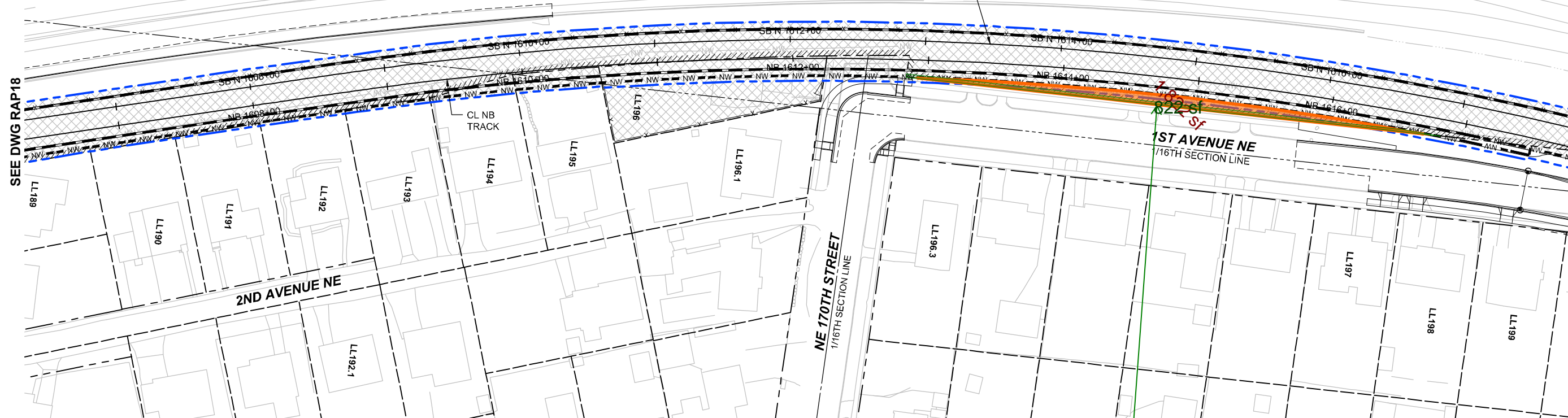
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SEE DWG RAP18

SEE DWG RAP20

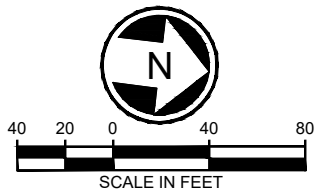
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NE 1/4 SW 1/4 SEC 8, T 26 N, R 4 E; W.M.

ST-COS ROW Balance Sheet #27
- Code modification needed for only alternate ROW Dedication (~1,822 SF) of portion of area acquired from WSDOT from the east face of noise wall and to WSDOT Limited access line in lieu of standard half street improvements and ROW Dedication (~822 SF). Existing ROW not adequate for future shared-use path improvements.



City of Shoreline - 2/10/2019 ROW Dedication and Alternate Improvement Plan

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Consulting Engineers



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LINE IS AT FULL SCALE



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LYNNWOOD LINK EXTENSION**

SOUND TRANSIT - CITY OF SHORELINE
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ST-COS ROW Balance Sheet #28
- Deviation required for modified minimum required 60' ROW Dedication (~18,141 SF) instead of full 60' ROW dedication (~19,100 SF).

See RAP Exhibit for related street vacation/compensation.

ST-COS ROW Balance Sheet #28
- Deviation needed for alternate road cross section in design, with 12'-14' shared-use path on west side of street, reduced lane widths, and reduced amenity zone on 1st Ave NE. Considered an equivalent cross section.

ST-COS ROW Balance Sheet #28.5
- Standard frontage improvements on south side of NE 174th and new frontage improvements in front of LL207 transitions to existing sidewalk to east and connects to new shared-use path to west.

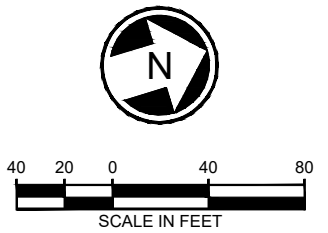
SEE DWG RAP09

SEE DWG RAP11

NE 1/4 SW 1/4 SEC 8, T 26 N, R 4 E; W.M.

City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan

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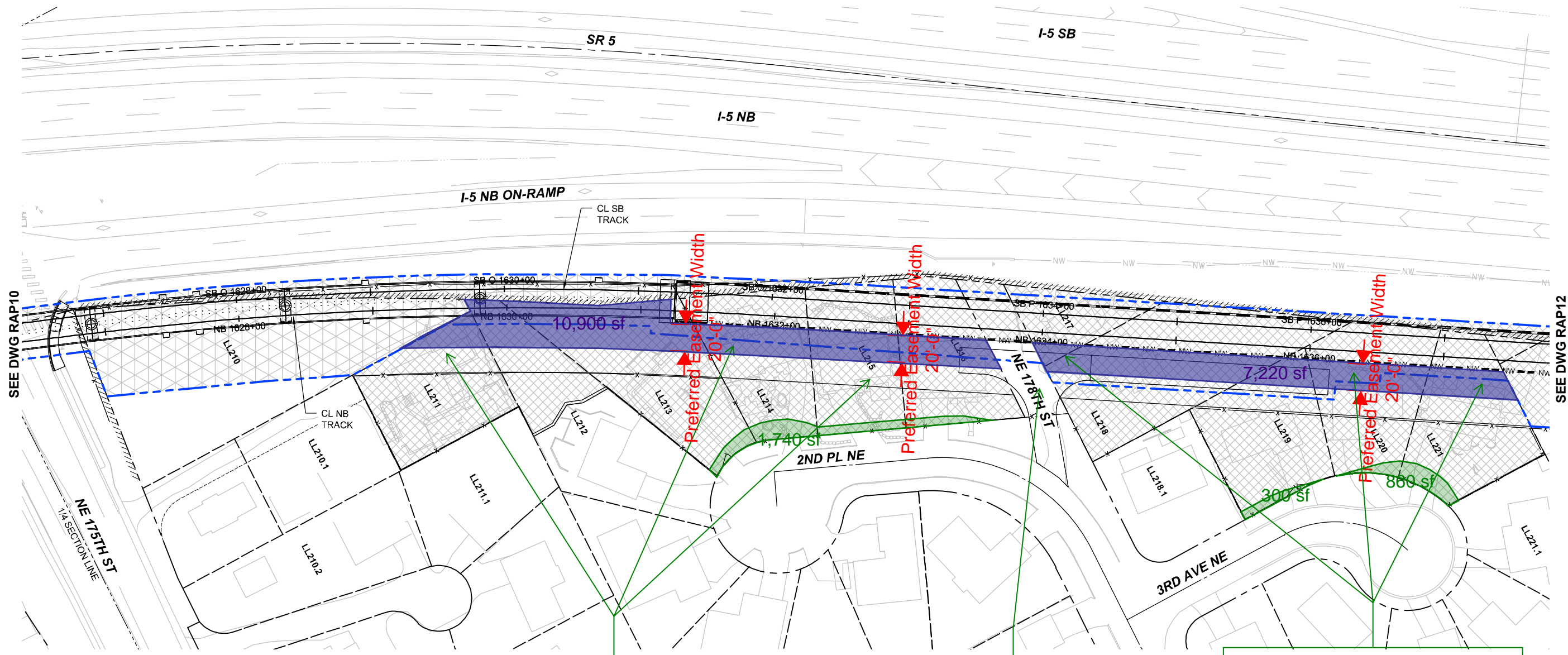
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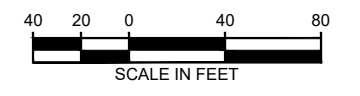


ST-COS ROW Balance Sheet #30
 - Code modification needed for min 20' wide Trail Easement Dedication (~10,900 SF) over LL-211, 212, 213, 214, 215, and 216 for future shared-use path in lieu of full frontage improvements and ROW dedication of ~6' and cul-de-sac (~1,580 SF) from LL213, 214, 215, and 216 adjacent to substandard ROW.

ST-COS ROW Balance Sheet #31
 - Standard minimum access improvements on NE 178th Street adjacent to LL215, 216, and 217 from edge of 2nd Pl. NE within existing 30' ROW to min 20' into LL218 required with curb and drainage, if needed.

 See RAP Exhibit for related street vacation/compensation.

ST-COS ROW Balance Sheet #32
 - Code modification needed for minimum 20' wide Trail Easement Dedication (~7,220 SF) over LL217, 218, 219, 220, and 221 for future shared use path in lieu of full frontage improvement and ROW dedication of ~6' and cul-de-sac from LL219, 220, and 221 adjacent to substandard ROW.

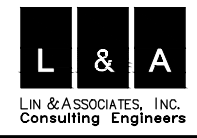


City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan

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DATE: 05/26/2017

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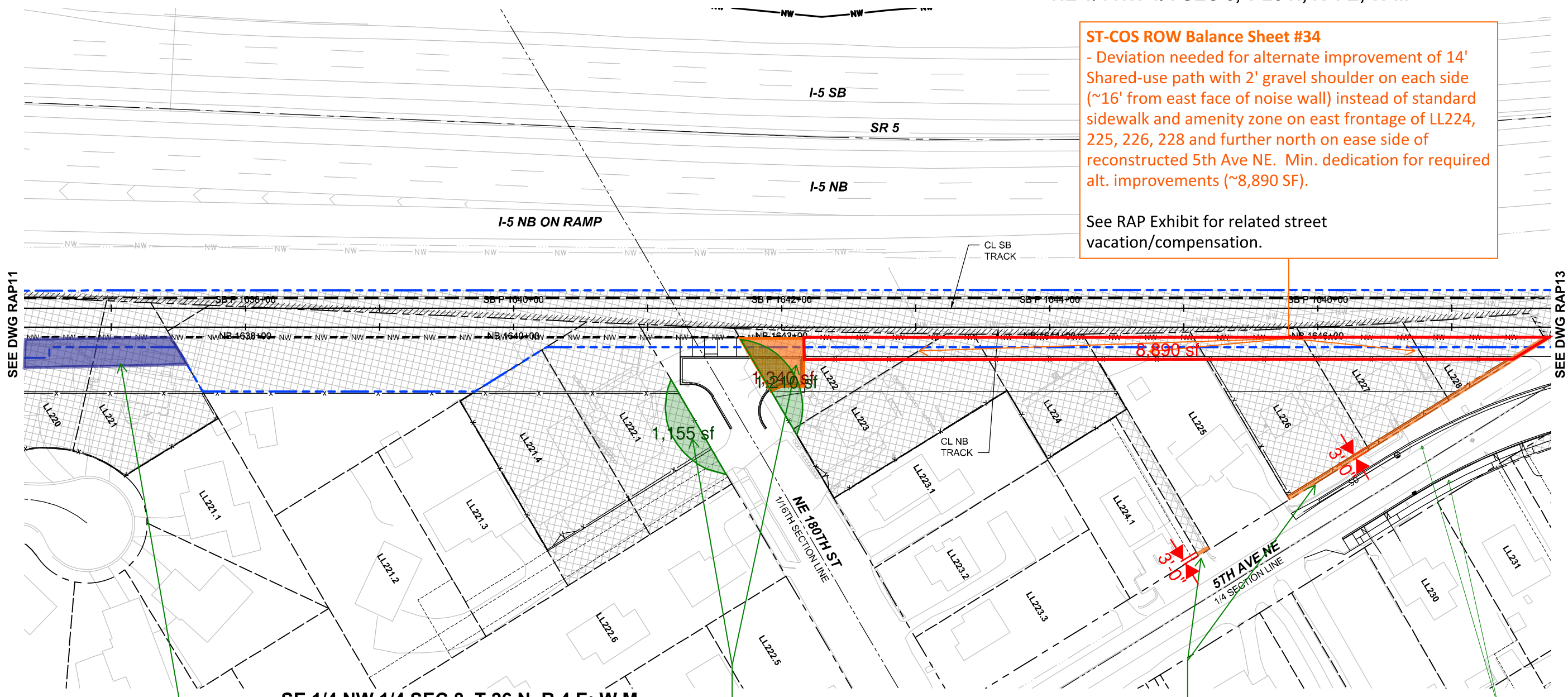
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 RIGHT OF WAY ACQUISITION PLAN

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ST-COS ROW Balance Sheet #34
 - Deviation needed for alternate improvement of 14' Shared-use path with 2' gravel shoulder on each side (~16' from east face of noise wall) instead of standard sidewalk and amenity zone on east frontage of LL224, 225, 226, 228 and further north on east side of reconstructed 5th Ave NE. Min. dedication for required alt. improvements (~8,890 SF).
 See RAP Exhibit for related street vacation/compensation.

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See previous sheet for LL220 and LL 221.

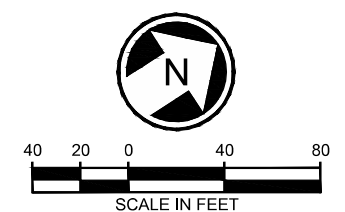
ST-COS ROW Balance Sheet #32.5
 - Deviation needed for ROW Dedication (~1,340 SF) of L222 from the east face of noise wall for Modified Hammerhead with Shared-use path on west side to be constructed instead of standard 100' cul-de-sac dedication (~2,365 SF) with frontage improvements adjacent to LL222.1, 222, & 223
 RCA areas will be dedicated to WSDOT and not used for ROW as part of this project and thus not available for dedication as City ROW.
 See RAP Exhibit for related street vacation/compensation.

ST-COS ROW Balance Sheet #35
 - ROW Dedication (~660 SF) of 3' wide portions of LL224, 226, 227, and 228 adjacent to sub-standard width City ROW consistent with Street Master Plan requiring 66' ROW.
 - Code modification needed for alternate construction of frontage improvements on west side of these parcels and curb and paved roadway with drainage on west side of 5th adjacent to LL224, 226, 227, and 228.

See next sheet for related alternate improvement and dedication details.

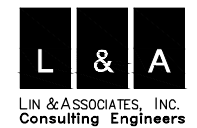
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**City of Shoreline - 2/10/2019
 ROW Dedication and Alternate Improvement Plan**



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 RIGHT OF WAY ACQUISITION PLAN

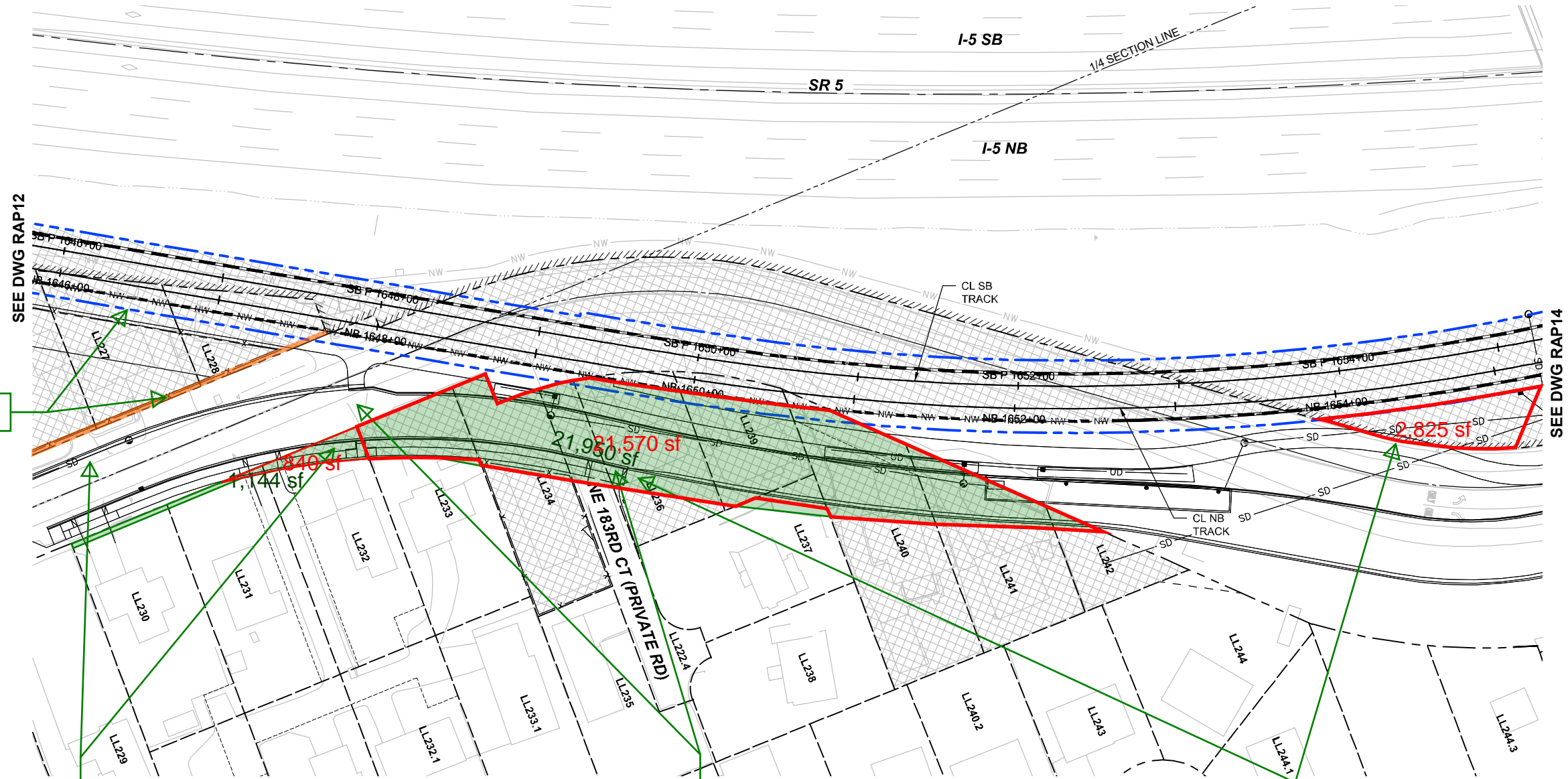
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NE 1/4 NW 1/4 SEC 8, T 26 N, R 4 E; W.M.



See previous sheet.

SEE DWG RAP12

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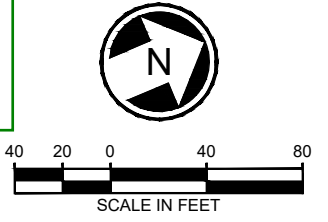
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ST-COS Balance Sheet #36 (south)
 - Deviation needed for alternate improvements comprised of 5-foot sidewalk, 5-foot amenity zone on east-side only, curb and gutter on west-side, bike/vehicle lanes 16-feet each side as designed from start of reconstruction to NE 183rd Ct. (private road); and
 - Deviation needed for alternate ROW dedication (~840 SF) instead of full dedication from LL230, 231, and 232 (~1,144 SF) needed to bring ROW up to standard 66' width.
 See RAP Exhibit for related street vacation/compensation.

ST-COS Balance Sheet #36 (center)
 - Deviation needed for Alternate Improvements including 5-foot sidewalk, 5-foot amenity zone on east-side up to north edge of NE 183rd Ct., pedestrian/bike crossing with activated signal as shown, 14' shared use path on west-side, and no bike lanes on 5th roadway from LL223 north. See designed from start of reconstruction to private street NE 183rd Ct; and
 - Deviation needed for alternate ROW dedication (~21,570 SF) instead of full dedications from LL233, 234, 222.4, 236, 237, 239, 240, 241, and 242.
 See RAP Exhibit for related street vacation/compensation.

ST-COS Balance Sheet #36 (north)
 - Deviation needed for Alternate Improvements include 14' shared use path on west side with amenity zone, not sidewalk or amenity zone on east side north of NE 183rd Ct, and no bike lanes on 5th roadway from LL223 north. See designed from start of reconstruction to private street NE 183rd Ct; and
 - Min. dedication for required alt. improvements (~2,825 SF)
 See RAP Exhibit for related street vacation/compensation.

**City of Shoreline - 2/10/2019
 ROW Dedication and Alternate Improvement Plan**



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NW1/4 NE 1/4 SEC 8,
 T 26 N, R 4 E; W.M.

SW 1/4 SE 1/4 SEC 5, T 26 N, R 4 E; W.M.

ST-COS Balance Sheet #42
 - Standard 3 lane with bike lanes re-striping east of bridge deck consistent with EDM to ~1st Ave NE to address traffic mitigation required at intersections with 1st and Meridian.

ST-COS Balance Sheet #41E
 - Alternate channelization plan as designed on existing bridge deck.

ST-COS Balance Sheet #41N - Alternate channelization plan as designed on new bridge deck. Curb location to match existing bridge. 8' sidewalks and 5' amenity zones required both sides.
 ST required throw prevention fencing south side over guideway.

ST-COS Balance Sheet #40
 - Deviation needed for alternate improvements include Min. 8-foot sidewalks and 5-foot amenity zone determined to be needed for safety and adequacy of pedestrian facilities. Extend to beginning of sidewalk at the 5th Ave intersection.
 New signalization for traffic control.
 Alternate lane widths for intersection design as determine through design process for traffic safety.
 No crosswalk on east side of intersection across 185th Street.

ST-COS Balance Sheet #36
 - Alternate Improvements. See previous sheet for details.

ST-COS Balance Sheet #37
 - Deviation needed for reconstruction with non-standard lane widths, standard bike lanes, 8-foot sidewalks and 5-foot amenity zone on both sides as determined to be needed for safety and adequacy of pedestrian facilities.

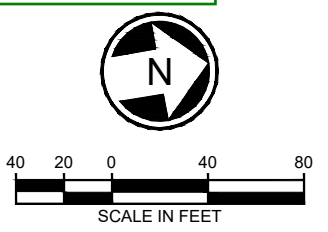
ST-COS Balance Sheet #37.5
 - Deviation needed for compact roundabout, adjusted curve radii, and no amenity zone on east corners to fit within existing ROW as designed.

ST-COS ROW Balance Sheet #38
 - Standard ROW Dedication (~2,980 SF) of portions of LL247, LL249, LL251, LL253, LL255, LL258, and LL259.1 of sufficient width to 1' behind sidewalk for required under-grounding, 14' shared-use path with 5' amenity zone on west side. No dedication on east side.
 - Improvements must be consistent with EDM: 16' travel lanes, 8' amenity zone, 5' sidewalk, and 1' to ROW line. Under-grounding terminates at poles on east side. No skid lids for water meters if intrude into sidewalk. Design does not currently meet EDM.

ST-COS Balance Sheet #44 - Shared use path required as internal station site walkway per SMC 20.50.240(E). No ROW dedication required or desired.

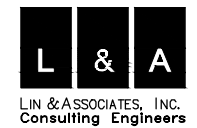
**City of Shoreline - 2/10/2019
 ROW Dedication and Alternate Improvement Plan**

Page REVISED 4/9/2019



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 DRAWN BY:
 CHECKED BY:
 APPROVED BY:



SCALE:
 1"=40'
 FILENAME:
 LLE-SHLN-RAP11-RAP16
 CONTRACT No.:

**SOUND TRANSIT
 LYNNWOOD LINK EXTENSION**
 SOUND TRANSIT - CITY OF SHORELINE
 RIGHT OF WAY ACQUISITION PLAN

DRAWING No.:
RAP14
 LOCATION ID:
 SHEET No.: REV:
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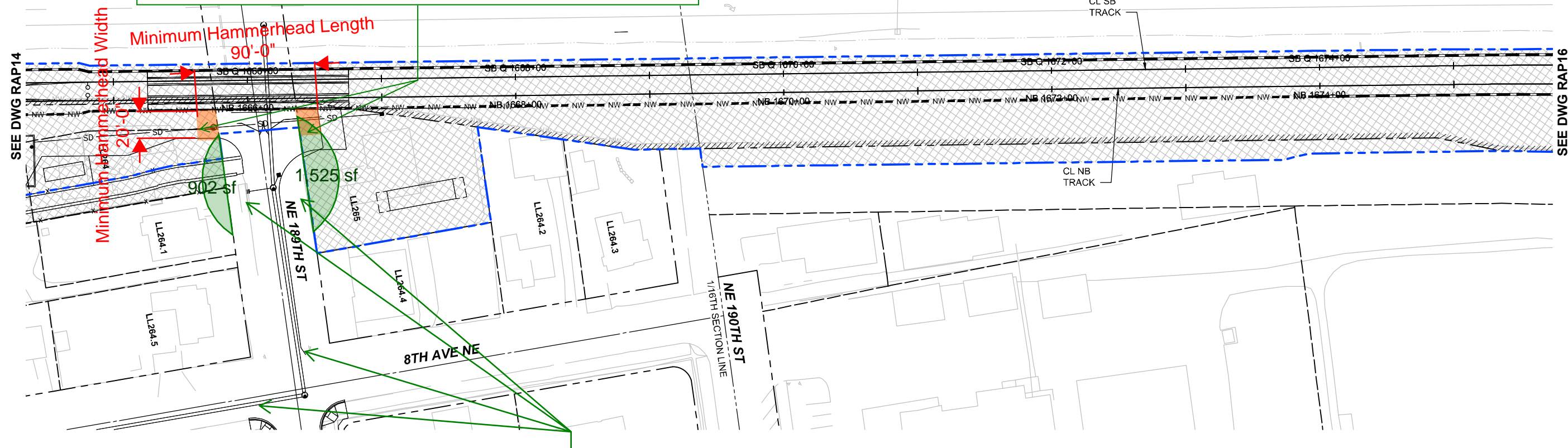
No.	DATE	DSN	CHK	APP	REVISION

SW 1/4 SE 1/4 SEC 5, T 26 N, R 4 E; W.M.

NW 1/4 SE 1/4 SEC 5, T 26 N, R 4 E; W.M.

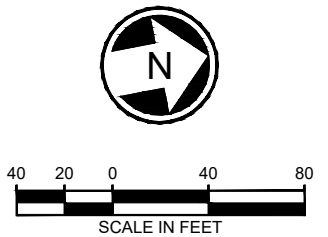
ST-COS ROW Balance Sheet #45
 - Deviation needed for ROW Dedication of portions of LL264 and LL265 of estimated ~22'x16' each north and south of existing ROW (~704 SF) for Hammerhead in lieu of standard 100' diameter cul-de-sac dedication and frontage improvements (~2,427 SF).

Hammerhead shall be consistent with EDM Standard Plan 209. **Current design may not meet City standards.** Shaded area is approximate.



ST-COS Balance Sheet #46
 - Deviation needed for shared-use path on station site in lieu of pedestrian improvements on NE 189th adjacent to LL264 and 265; Only street trees required in ROW on north side adjacent to LL265.
 - Connection to existing sidewalk to east on south-side of NE 189th Street required and reconstruction of existing on south side (LL264.1) if impacted.
 - Required full or half-street overlay as applicable to utility trenching and ADA compatible ramps where overlay is through ped. crossings west side across 189th and south leg across 8th.

City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan



100% SUBMITTAL

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



SCALE:
 1"=40'
 FILENAME:
 LLE-SHLN-RAP11-RAP16
 CONTRACT No.:

SOUND TRANSIT
LYNNWOOD LINK EXTENSION
 SOUND TRANSIT - CITY OF SHORELINE
 RIGHT OF WAY ACQUISITION PLAN

DRAWING No.:
RAP15
 LOCATION ID:
 SHEET No.: REV:
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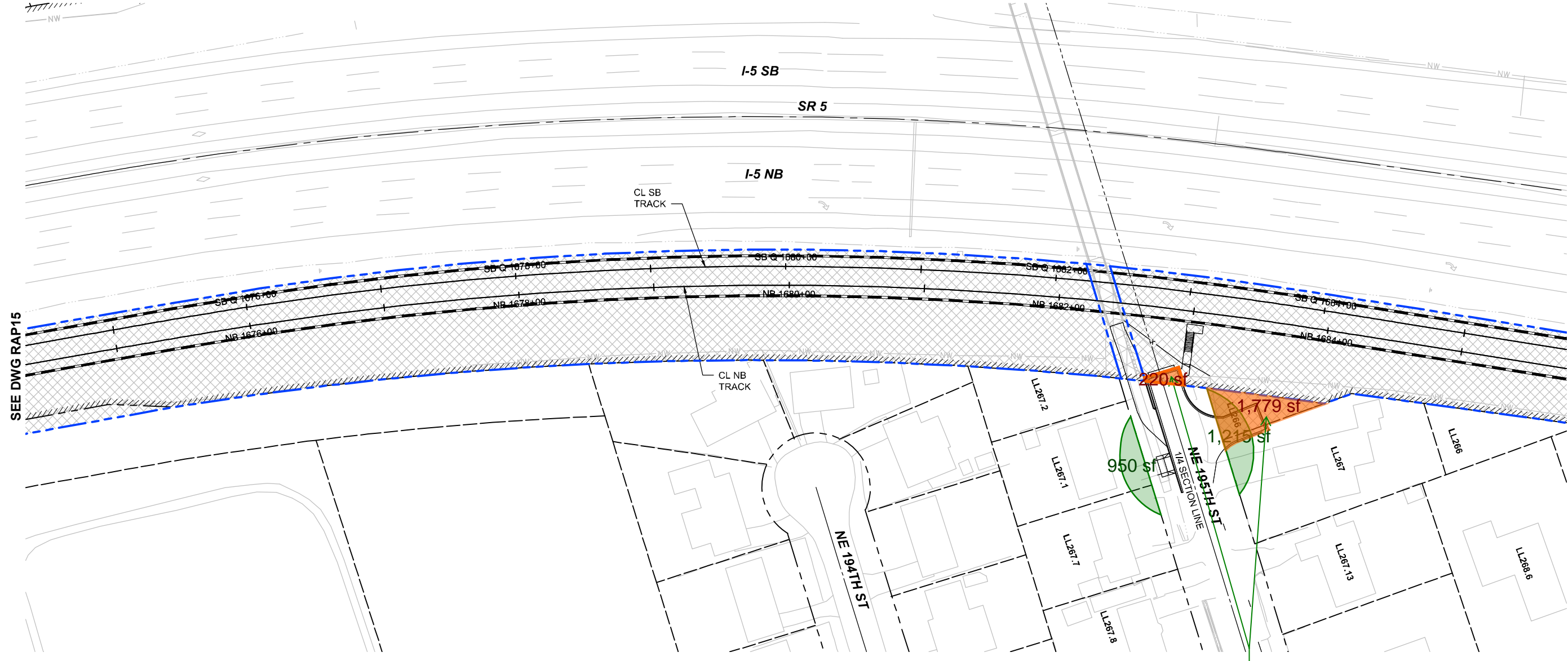
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NW 1/4 SE 1/4 SEC 5, T 26 N, R 4 E; W.M.

SW 1/4 NE 1/4 SEC 5, T 26 N, R 4 E; W.M.

Xrefs:
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 xLLE-SHLN-VBP
 xLLE-SHLN-VRX
 xL200-L85-CRP100
 xL200-L85-SEP100
 xL200-L85-CDP100
 xL200-L85-KAP100
 xL300-L90-CRP100
 xL300-L90-KAP100
 xL300-L90-SEP100
 PROPERTY TRANSFER
 xL200-N17-APP200
 xL200-NP17-APP200
 xL200-L85-KWP100
 xL200-L85-RHP100
 xL200-L85-RPP100



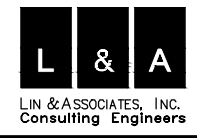
ST-COS ROW Balance Sheet #47
 - Deviation needed for hammerhead ROW Dedication (~1,999 SF) of portions of Limited Access Area acquired from WSDOT, LL266, and LL267 of sufficient dimensions for alternate hammerhead street end improvements as designed instead of standard 100' diameter cul-de-sac (~2,165 SF); and
 - Deviation for separation of 14' shared-use access to bridge from vehicular hammerhead with no sidewalks and amenity zones on north side of street end.



City of Shoreline - 2/10/2019
ROW Dedication and Alternate Improvement Plan

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 CHECKED BY:
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LINE IS 1" AT FULL SCALE



SCALE:
 1"=40'
 FILENAME:
 LLE-SHLN-RAP11-RAP16
 CONTRACT No.:

SOUND TRANSIT
LYNNWOOD LINK EXTENSION
 SOUND TRANSIT - CITY OF SHORELINE
 RIGHT OF WAY ACQUISITION PLAN

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RAP16
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No.	DATE	DSN	CHK	APP	REVISION

**STANDARD VS ALTERNATIVE FRONTAGE IMPROVEMENTS
AREA CALCULATIONS**

Attachment 1

RPP DWG NUMBER (Page/319)	LOCATION	SHORELINE RAP PAGE	EDM SW/AZ LENGTH (ft)	EDM REQ WIDTH (ft)	EDM SW/AZ AREA (ft ²)	EDM ROAD AREA (ft ²)	PATHWAY LENGTH (ft)	PATHWAY WIDTH (ft)	PATHWAY AREA (ft ²)	ALT. SW/AZ LENGTH (ft)	ALT. SW/AZ WIDTH (ft)	ALT. SW/AZ AREA (ft ²)	ALT. ROAD AREA (ft ²)	COMMENTS
			GREEN = EDM STANDARD REQUIREMENTS				PINK = PROPOSED ALTERNATIVES							PEACH = 4/9/19 revisions/corrections
L85-eRPP160 (91)	NE 145th St. & 5th Ave NE	RAP01	145	13.5	1,958	960	0	0	0	145	7.5	1087.5	960	LL148 & 149 - alt 7' SW, no AZ
L85-eRPP160-162 (91-93)	5th Ave NE, NE 145th-NE 148th	RAP02	Required Standard 14' Shared-use Sidewalk, 5' amenity zone, and curb to be constructed											Greater width warranted due to ped volumes
L85-eRPP122 (60)	NE 149th Street End	RAP03	300	13.5	4,050	6,362	370	16	5,920	0	0	0	5,027	LL161, 162, and 163 - alt. 80' CDS road paving instead of 90', path instead of SW/AZ
L85-eRPP122-123 (60-61)	NE 151st St. & 3rd Ave NE	RAP04	312	13.5	4,212	4,992	105	16	1,680	336	14.5	3,766	4,112	LL164, 165, 166, 167, & part of 167.1 - alt. path & shared sidewalk instead of standard SW/AZ, restore half road paving over sewer, LL164 curb only
L85-eRPP123 (61)	3rd Ave NE south of NE 152nd St	RAP04	106	13.5	1,431	1,696	0	0	0	106	1	106	2,120	Portions of 167.1 & 168 - alt. min 20' road paving and curbs
L85-eRPP123 (61)	3rd Ave NE north of NE 152nd St	RAP04	250	13.5	3,375	4,000	0	0	0	218	0	0	3,052	Portion of LL168 and 169; min 14' road paving, curbs?, not SW/AZ/pathway
L85-eRPP125-126 (63-64)	both sides 1st Ave NE south of NE 157th St	RAP05	360	13	4,680	5,760	0	0	0	0	0	0	0	Adjacent to acquired WSDOT LLA, LL175, & 176 no frontage improvements this location
L85-eRPP126-27 (64-65)	west side 1st Ave NE, 157th-159th	RAP06	700	13	9,100	11,200	170	17.5	2,975	0	0	0	1,870	Alt partial Shared use Path and 11' road in area of rebuild adjacent to acquired WSDOT LLA, no improvements south of rebuild
L85-eRPP127 (65)	east side 1st Ave NE, rebuild	RAP06	120	13	1,560	1,920	0	0	0	120	0.5	60	1,320	LL177.1 - 11' road rebuild-only curb & travel lane req'd
L85-eRPP127 (65)	north side NE 159th St, rebuild	RAP06	98	13	1,274	1,392	0	0	0	98	10.5	1,029	1,392	LL177 - alt 5' SW, 5' AZ, road and curb req'd
L85-eRPP127 (65)	south side NE 159th St, rebuild	RAP06	76	13	988	1,392	0	0	0	76	0.5	38	1,216	LL177.1 - alt no SW/AZ, road and curb only
L85-eRPP127 (65)	1st Ave NE, 159th-161st	RAP06	280	13	7,280	8,960	280	18	5,040	0	0	0	0	LL177, 178, and 179 - alt. shared use path only, no road rebuild per City
L85-eRPP127 (65)	NE 161st Street End	RAP07	280	13	3,640	6,362	96	18	1,728	190	13.5	2,565	6,977	Alt CDS-80'; LL179 & 179.1-alt curb only; WSDOT LLA-alt shared use path; LL180, 180.1, 180.2-alt 8' SW, 5' AZ req'd; grading generally compatible with trail along noise wall in park, not construction of path north of new ROW line.
L85-eRPP129 (67)	west side 1st Ave NE, 163rd-164th	RAP07	305	13	3,965	4,880	0	0	0	0	0	0	0	Adjacent to acquired WSDOT LLA - alt no improvements this location
L85-eRPP132 (70)	1st Ave NE & 170th St. intersection	RAP09	Required Standard 5' sidewalk, 7.5' amenity zone on south and west, ADA compliant ramps on north east corner. No change to road area.											LL196 - 196.1 standard SW/AZ to be built; LL196.3-5' ADA ramps
L85-eRPP132-134 (70-72)	west side 1st Ave NE, 170th-174th	RAP09-10	1,000	13	13,000	16,000	710	16	11,360	0	0	0	7,810	Adjacent to acquired WSDOT LLA - Alt. 12'-14' path, 11' road for rebuild area
L85-eRPP133-134 (71-72)	east side 1st Ave NE, rebuild-174th	RAP10	620	13	8,060	9,920	0	0	0	620	10.5	6,510	6,820	LL197-206 alt 5' SW, 5' AZ for rebuild area
L85-eRPP134&166 (72&97)	south NE 174th St, 1st-2nd Ave NE	RAP10	196	13	2,548	3,312	0	0	0	196	10.5	2,058	3,312	LL206 & 206.1 - alt 5' SW, 5' AZ, stn'd 16' road

STANDARD VS ALTERNATIVE FRONTAGE IMPROVEMENTS

AREA CALCULATIONS

RPP DWG NUMBER (Page/319)	LOCATION	SHORELINE RAP PAGE	EDM SW/AZ LENGTH (ft)	EDM REQ WIDTH (ft)	EDM SW/AZ AREA (ft ²)	EDM ROAD AREA (ft ²)	PATHWAY LENGTH (ft)	PATHWAY WIDTH (ft)	PATHWAY AREA (ft ²)	ALT. SW/AZ LENGTH (ft)	ALT. SW/AZ WIDTH (ft)	ALT. SW/AZ AREA (ft ²)	ALT. ROAD AREA (ft ²)	COMMENTS	
			GREEN = EDM STANDARD REQUIREMENTS				PINK = PROPOSED ALTERNATIVES							PEACH = 4/9/19 revisions/corrections	
L85-eRPP134&166 (72&97)	north side NE 174th St	RAP10	Required Standard 5' sidewalk, 7.5' amenity zone at LL207, ADA compliant ramps on northwest crossing at 2nd. Standard road rebuild.											L207	
L85-eRPP136 (74)	west side 2nd Pl NE, south of 178	RAP11	300	13	3,900	8,890	0	0	0	0	0	0	0	LL213-216 - alt. no improvements this location	
L85-eRPP136 (74)	NE 178th St Street End	RAP11	230	13	5,980	3,720	0	0	0	0	0	0	1,800	LL217-218 - alt. min 20' road paving, no SW/AZ, fence/gate across City ROW accepted.	
L85-eRPP136 (74)	west side 3rd Ave NE	RAP11	165	13	2,145	7,482	0	0	0	0	0	0	0	LL219-221 - alt. no improvements this location	
L85-eRPP137 (75)	NE 180th Street End	RAP12	385	13	5,005	7,322	92	13.5	1,242	160	0.5	80	1,340	13' shared use path w/curb @ west of street end; LL222.1, 222-alt. hammerhead with curb only no SW/AZ these frontages; LL223 none	
L85-eRPP137 (75)	West side guideway & 5th Ave NE, NE 180th St to LL228	RAP12	235	10.5	2,468	3,760	560	16	8,960	225	0.5	113	3,038	Shared-use path west side of LL222-228; east side of LL226-228 on 5th - alt. curb only	
L85-eRPP139 (77)	East Side 5th Ave, LL229-LL234 & 222.4	RAP13	Required Standard 5' sidewalk, 5' amenity zone, ADA compliant ramps mid-midblock. Standard road rebuild to LL232, no bike lanes north of cross walk.											LL229-234 & LL222.4 standard improvements.	
L85-eRPP139-140 (77-78)	West side 5th Ave, north of LL228	RAP13-14	840	10.5	8,820	13,440	840	21.5	18,060	0	0	0	11,465	North of LL228, Adjacent to acquired WSDOT LLA and City ROW - alt. 14' shared-use path and 5' AZ; ~13.5' road	
L85-eRPP139-140 (77-78)	East side 5th Ave, north of LL222.4	RAP13-14	700	10.5	7,350	11,200	0	0	0	700	0.5	350	9,450	LL236-244.5 - alt on east side of 5th ~13.5' road and curb only	
L85-eRPP142 (80)	NE 189th Street End	RAP15	300	13	3,900	6,362	290	18	5,220	0	0	0	2,760	LL264 & 265 - alt hammerhead without SW/AZ/curb and shared use path on station site instead	
L85-eRPP145 (83)	NE 195th Street End	RAP16	300	13.0	3,900	6,362	75	24.5	1,838	249	0.5	124.5	3,150	L266, 267 & acquired WSDOT LLA - alt hammerhead without SW/AZ and pathway to bridge instead	
					SW/AZ	ROAD			PATH			SW/AZ	ROAD		
TOTALS					114,588	157,646			64,023			17,887	78,991	Alt SW/AZ and Alt Road Totals updated.	
Notes:	1) Pathway width includes 2' wide gravel shoulders or amenity zones, where applicable													SW/AZ	ROAD
	2) Areas not calculated where proposed meets EDM requirements, no deviations from standards														
	3) All length and area calculations are estimates measured in Bluebeam or based on property dimer														

272,234 160,900 17905 111,335

**ALTERNATE MINIMUM ROW OR EASEMENT DEDICATION
VS STANDARD DEDICAITON AREAS**

RPP DWG NUMBER (Page/319)	LOCATION	SHORELINE RAP PAGE	EDM REQUIRED DEDICATION FT ²	ALT. EASEMENT DEDICATION FT ²	DEDICAITON FT ² NOT REQUIRED	COMMENTS
L85-eRPP160 (91)	NE 145th St.	RAP01	928	N/A	1,605	#1 - Dedication to WSDOT - within Limited Access Area; <i>Deviation</i> . [Not included in ROW dedicaiton totals.]
L85-eRPP122 (60)	NE 149th St.	RAP03	6,110	N/A	2,356	#6 - *Min. dedication from LL-161, 162, & 163 for Shared-use path with connection t o149th Street end. instead of standard cul-de-sac dedication; <i>Deviation</i> .
L85-eRPP122 (60)	NE 151st St.	RAP04	2,520	N/A	2,050	#8 & 9 - *Min. dedication from LL-164 & 165 for Shared-use path instead of full standard dedicaiton from LL-165, 166, &167; <i>Deviation</i> .
L85-eRPP125 (63)	LL-175 & 176	RAP05	680	N/A	1,686	# 15 - Min. dedication from LL175 to accomadate future shared-use path instead of standard dedication from LL175 & 176; <i>Code Modification</i> .
L85-eRPP126 & 127 (64-65)	West side of 1st Ave	RAP06	11,122	N/A	7,313	#16 & 17 - Between NE 157th and 159th; <i>Code Modification</i> .
L85-eRPP127 (65)	LL-177, 178,& 179	RAP06	3,834	N/A	11,745	#18 - *Min. dedication from LL-177, 178, & 179 for 30' half ROW instead of standard 60' ROW dedication.
L85-eRPP127 (65)	NE 161st St. end	RAP07	430	N/A	886	#19 (south) - Min. dedication south-side NE 161st St. from LL179 1-foot behind curb instead of standard 100' cul-de-sac dedicaiton from LL179 & 179.1; <i>Deviation</i> .
L85-eRPP127 (65)	NE 161st St. end	RAP07	2,040	N/A	1,260	#19 (north) - Min. dedication north-side NE 161st St. from LL180 & 180.1 1-foot behind curb instead of standard 100' cul-de-sac dedicaiton; <i>Deviation</i> .
L85-eRPP129 (67)	1st Ave NE	RAP07	3,952	N/A	6,600	#22 - between 163rd and 164th from WSDOT LLA; ; <i>Code Modification</i> .
L85-eRPP132 & 133 (70-71)	1st Ave NE	RAP09	1,822	N/A	822	#27 - Min. dedicaiton only from WSDOT LLA North of NE 170th, west side of 1st Ave NE; <i>Code Modification</i> .
L85-eRPP133 & 134 (71-72)	1st Ave NE	RAP10	18,141	N/A	19,100	#28 - *Min. dedication from LL-199, 200, 201, 202, 203, 204, 205, & 206, instead of standard dedication on LL198, 199 & 200; <i>Deviation</i> .
L85-eRPP135 & 136 (73-74)	Lots North of 175th to 178th	RAP11	0	10,900	1,740	#30 - 20' wide Trail easement dedication from LL-211, 212, 213, 214, 215, & 216 instead of standard dedications from LL-213, 214, 215, & 216; <i>Code Modification</i> .
L85-eRPP136 & 137 (74-75)	NE 178th St to 3rd Ave NE end	RAP11	0	7,220	1,160	#32 - 20' Trail easement dedication from LL-217, 218, 219, 220 & 221 instead of standard dedications from LL-219, 220, & 221; <i>Code Modification</i> .
L85-eRPP137 (75)	NE 180th St. end	RAP12	1,340	N/A	2,365	#32.5 - Min. dedicaiton from LL222 for hammerhead in lieu of cul-de-sac from LL-222.1, 222, & 223; <i>Deviation</i> .
L85-eRPP138-140 (76-78)	5th Ave NE from NE 182nd St. to NE 185th St.	RAP13 & 14	22,410	N/A	23,104	#35-36 - *Min. Dedication from LL-231, 232, 233, & 237 at 1-foot behind improvements instead of standard 3' dedication from LL-230, 231, 232, 233, & 237. Min. dedication from LL-234, 222.4, 236, 239, 240, 241, 242, for alternate and standard 66' ROW and required improvements; <i>Deviation</i> .
L85-eRPP142 (80)	West end of NE 189th St.	RAP15	704	N/A	2,427	#45 - Estimated min. dedication for required standard hammerhead (22'x16' each) from LL-264 & 265 instead of 100' cul-de-sac; <i>Deviation</i> .
L85-eRPP145 (83)	West end of 195th	RAP16	1,999	N/A	2,165	#47 - Min. dedicaiton to accommodate hammerhead and related slopes (minimum needed may be ~200 less than the 1,614 SF indicated from LL-266) instead of for standard cul-de-sac from LL-266 & 267; <i>Deviation</i> .
TOTALS			78,032	18,120	88,384	Caclulations updated 02/11/2019
NOTE: All area calculations are approximations.						
* Minimum dedication required regardless of Street Vacation/Compensation agreement.						
See Street Vacations & Compensation for alternate compensation dedication proposed.						
Dedication to WSDOT within Limited Access Area in Shoreline City limits.						