

FINAL EIS - CONCEPTUAL DESIGN SR 99 ALTERNATIVE

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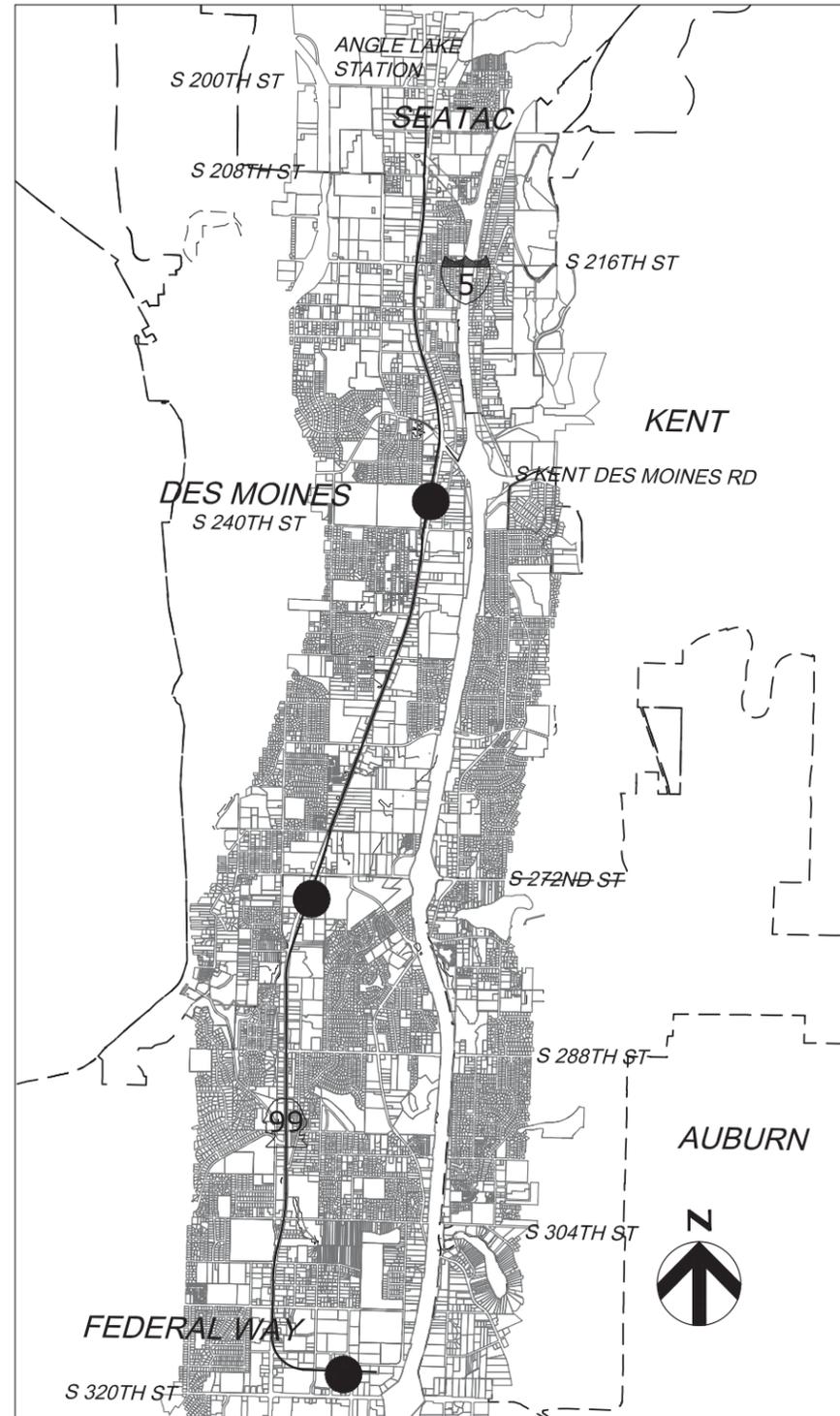


SOUND TRANSIT FEDERAL WAY LINK EXTENSION

FINAL EIS CONCEPTUAL DESIGN SR 99 ALTERNATIVE

AUGUST 2016

SHEET KEY



- SR 99 ALTERNATIVE
- S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- KENT/DES MOINES HC CAMPUS STATION OPTION
- KDM HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
- KENT/DES MOINES SR 99 EAST STATION OPTION
- KENT/DES MOINES SR 99 MEDIAN STATION OPTION
- S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
- S 272ND REDONDO TRENCH STATION OPTION
- FEDERAL WAY SR 99 STATION OPTION

PROJECT LOCATION MAP

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

Sheet No.	Drawing No.	Sheet Title
SR 99 ALTERNATIVE		
61	SR99-A00-GX00	COVER SHEET
62	SR99-A00-GX01	SHEET INDEX
63	SR99-A00-GX02	SHEET INDEX KEYMAP
64	SR99-A1-PP01	TRACK PLAN AND PROFILE STA 7+25 TO STA 30+00
65	SR99-A2-PP02	TRACK PLAN AND PROFILE STA 30+00 TO STA 56+00
66	SR99-A3-PP03	TRACK PLAN AND PROFILE STA 56+00 TO STA 82+00
67	SR99-A4-PP04	TRACK PLAN AND PROFILE STA 82+00 TO STA 108+00
68	SR99-A5-PP05	TRACK PLAN AND PROFILE STA 108+00 TO STA 134+00
69	SR99-A6-PP06	TRACK PLAN AND PROFILE STA 134+00 TO STA 160+00
70	SR99-A7-PP07	TRACK PLAN AND PROFILE STA 160+00 TO STA 186+00
71	SR99-A8-PP08	TRACK PLAN AND PROFILE STA 186+00 TO STA 212+00
72	SR99-A9-PP09	TRACK PLAN AND PROFILE STA 212+00 TO STA 238+00
73	SR99-A10-PP10	TRACK PLAN AND PROFILE STA 238+00 TO STA 264+00
74	SR99-A11-PP11	TRACK PLAN AND PROFILE STA 264+00 TO STA 290+00
75	SR99-A12-PP12	TRACK PLAN AND PROFILE STA 290+00 TO STA 316+00
76	SR99-A13-PP13	TRACK PLAN AND PROFILE STA 316+00 TO STA 342+00
77	SR99-A14-PP14	TRACK PLAN AND PROFILE STA 342+00 TO STA 368+00
78	SR99-A15-PP15	TRACK PLAN AND PROFILE STA 368+00 TO STA 394+00
79	SR99-A16-PP16	TRACK PLAN AND PROFILE STA 394+00 TO STA 419+15.90
80	FWLE_SR99_AP009	KENT DES MOINES SR99 WEST STATION - SITE PLAN
81	FWLE_SR99_AX009	KENT DES MOINES SR99 WEST STATION - SECTIONS
82	FWLE_SR99_AP007	S 272ND REDONDO STATION - SITE PLAN
83	FWLE_SR99_AX007	S 272ND REDONDO STATION - SECTIONS
84	FWLE_SR99_AP003	FEDERAL WAY TRANSIT CENTER STATION - SITE PLAN
85	FWLE_SR99_AX003	FEDERAL WAY TRANSIT CENTER STATION - SECTIONS
S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)		
86	SR99-B00-GX02	SHEET INDEX KEYMAP
87	SR99-B1-PP01	TRACK PLAN AND PROFILE STA 15+00 TO STA 30+00
88	SR99-B2-PP02	TRACK PLAN AND PROFILE STA 30+00 TO STA 56+00
89	SR99-B3-PP03	TRACK PLAN AND PROFILE STA 56+00 TO STA 82+36.28
90	FWLE_SR99_AP010	S 216TH WEST STATION OPTION - SITE PLAN
91	FWLE_SR99_AX010	S 216TH WEST STATION OPTION - SECTIONS
S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		
92	SR99-C00-GX02	SHEET INDEX KEYMAP
93	SR99-C1-PP02	TRACK PLAN AND PROFILE STA 20+00 TO STA 34+00
94	SR99-C2-PP03	TRACK PLAN AND PROFILE STA 34+00 TO STA 59+91.74
95	FWLE_SR99_AP011	S 216TH EAST STATION OPTION - SITE PLAN
96	FWLE_SR99_AX011	S 216TH EAST STATION OPTION - SECTIONS
KENT/DES MOINES SR 99 MEDIAN STATION OPTION		
97	SR99-D00-GX02	SHEET INDEX KEYMAP
98	SR99-D1-PP04	TRACK PLAN AND PROFILE STA 10+00 TO STA 26+00
99	SR99-D2-PP05	TRACK PLAN AND PROFILE STA 26+00 TO STA 52+00
100	SR99-D3-PP06	TRACK PLAN AND PROFILE STA 52+00 TO STA 63+99.96
101	FWLE_S99_AP005	KENT/DES MOINES SR 99 MEDIAN STATION OPTION - SITE PLAN
102	FWLE_S99_AX005	KENT/DES MOINES SR 99 MEDIAN STATION OPTION - SECTIONS
KENT/DES MOINES SR99 EAST STATION OPTION		
103	SR99-E00-GX02	SHEET INDEX KEYMAP
104	SR99-E01-PP04	TRACK PLAN AND PROFILE STA 17+95.77 TO STA 41+00
105	SR99-E02-PP05	TRACK PLAN AND PROFILE STA 41+00 TO STA 67+00
106	SR99-E03-PP06	TRACK PLAN AND PROFILE STA 67+00 TO STA 93+00
107	SR99-E04-PP07	TRACK PLAN AND PROFILE STA 93+00 TO STA 107+68.31
108	FWLE_SR99_AP006	KENT/DES MOINES SR 99 EAST STATION OPTION - SITE PLAN
109	FWLE_SR99_AX006	KENT/DES MOINES SR 99 EAST STATION OPTION - SECTIONS

KENT/DES MOINES HC CAMPUS STATION OPTION		
110	SR99-F00-GX02	SHEET INDEX KEYMAP
111	SR99-F1-PP03	TRACK PLAN AND PROFILE STA 20+00 TO STA 45+00
112	SR99-F2-PP04	TRACK PLAN AND PROFILE STA 45+00 TO STA 71+00
113	SR99-F3-PP05	TRACK PLAN AND PROFILE STA 71+00 TO STA 97+00
114	SR99-F4-PP06	TRACK PLAN AND PROFILE STA 97+00 TO STA 122+00
115	SR99-F5-PP07	TRACK PLAN AND PROFILE STA 122+00 TO STA 134+88.36
116	FWLE_S99_AP004	KENT/DES MOINES HC CAMPUS STATION OPTION - SITE PLAN
117	FWLE_S99_AX004	KENT/DES MOINES HC CAMPUS STATION OPTION - SECTIONS
KENT/DES MOINES HC CAMPUS STATION OPTION FROM S. 216TH WEST STATION OPTION		
118	SR99-F00-GX02	SHEET INDEX KEY MAP
119	SR99-F6-PP01	TRACK PLAN AND PROFILE STA 15+00 TO STA 30+00
120	SR99-F7-PP02	TRACK PLAN AND PROFILE STA 30+00 TO STA 56+00
121	SR99-F8-PP03	TRACK PLAN AND PROFILE STA 56+00 TO STA 82+00
122	SR99-F9-PP04	TRACK PLAN AND PROFILE STA 82+00 TO STA 108+00
123	SR99-F10-PP05	TRACK PLAN AND PROFILE STA 108+00 TO STA 121+52.74
S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)		
124	SR99-G00-GX02	SHEET INDEX KEYMAP
125	SR99-G1-PP05	TRACK PLAN AND PROFILE STA 20+00 TO STA 23+00
126	SR99-G2-PP06	TRACK PLAN AND PROFILE STA 23+00 TO STA 49+00
127	SR99-G3-PP07	TRACK PLAN AND PROFILE STA 49+00 TO STA 75+00
128	SR99-G4-PP08	TRACK PLAN AND PROFILE STA 75+00 TO STA 101+00
129	SR99-G5-PP09	TRACK PLAN AND PROFILE STA 101+00 TO STA 111+87.66
130	FWLE_S99_AP013	S 260TH WEST STATION OPTION - SITE PLAN
131	FWLE_S99_AX013	S 260TH WEST STATION OPTION - SECTIONS
S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		
132	SR99-H00-GX02	SHEET INDEX KEYMAP
133	SR99-H1-PP07	TRACK PLAN AND PROFILE STA 20+00 TO STA 23+00
134	SR99-H2-PP08	TRACK PLAN AND PROFILE STA 23+00 TO STA 49+00
135	SR99-H3-PP09	TRACK PLAN AND PROFILE STA 49+00 TO STA 75+00
136	SR99-H4-PP10	TRACK PLAN AND PROFILE STA 75+00 TO STA 80+98.42
137	FWLE_S99_AP012	S 260TH EAST STATION OPTION - SITE PLAN
138	FWLE_S99_AX012	S 260TH EAST STATION OPTION - SECTIONS
I - NOT USED		
S 272ND REDONDO TRENCH STATION OPTION		
139	SR99-J00-GX02	SHEET INDEX KEYMAP
140	SR99-J1-PP08	TRACK PLAN AND PROFILE STA 20+00 TO STA 31+00
141	SR99-J2-PP09	TRACK PLAN AND PROFILE STA 31+00 TO STA 57+00
142	SR99-J3-PP10	TRACK PLAN AND PROFILE STA 57+00 TO STA 83+00
143	SR99-J4-PP11	TRACK PLAN AND PROFILE STA 83+00 TO STA 109+00
144	SR99-J5-PP12	TRACK PLAN AND PROFILE STA 109+00 TO STA 136+00
145	SR99-J6-PP13	TRACK PLAN AND PROFILE STA 136+00 TO STA 161+00
146	SR99-J7-PP14	TRACK PLAN AND PROFILE STA 161+00 TO STA 174+00.00
147	FWLE_S99_AP002	S 272ND REDONDO TRENCH STATION OPTION - SITE PLAN
148	FWLE_S99_AX002	S 272ND REDONDO TRENCH STATION OPTION - SECTIONS
FEDERAL WAY SR 99 STATION OPTION		
149	SR99-K00-GX02	SHEET INDEX KEYMAP
150	SR99-K1-PP15	TRACK PLAN AND PROFILE STA 20+00 TO STA 44+00
151	SR99-K2-PP16	TRACK PLAN AND PROFILE STA 44+00 TO STA 51+23.50
152	FWLE_S99_AP008	FEDERAL WAY SR 99 STATION OPTION - SITE PLAN
153	FWLE_S99_AX008	FEDERAL WAY SR 99 STATION OPTION - SECTIONS

ABBREVIATIONS

B	BEGIN POINT
BP	BEGIN POINT
C	CENTER
CTR	CENTERLINE
CL	CENTERLINE
CS	CURVE TO SPIRAL
D	DESIGN OPTION
DWG	DRAWING
E	EAST/ELECTRICAL
E	ELEVATION
EL	ELEVATION
EP	END POINT
EX	EXISTING
F	FEDERAL WAY LINK EXTENSION
FWTC	FEDERAL WAY TRANSIT CENTER
G	GAS
G	GAS
H	HIGHLINE COLLEGE
HC	HORIZONTAL
HORZ	HORIZONTAL
K	KING COUNTY
KC	KING COUNTY METRO
KCM	KENT/DES MOINES KILOVOLTS
Kv	KILOVOLTS
M	MILES PER HOUR
MPH	MILES PER HOUR
N	NORTH
N	NORTHBOUND
NB	NORTHBOUND
O	OVERHEAD ELECTRICAL
P	POINT OF CURVATURE
PL	PLACE
PS	POINT OF SWITCH
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
R	ROAD
RD	RIGHT OF WAY
ROW	RIGHT OF WAY
S	SOUTH
S	SOUTH BOUND
SC	SPIRAL TO CURVE
SF	SQUARE FEET
SR	STATE ROUTE
ST	STREET, SPIRAL TO TANGENT, or SOUND TRANSIT STATION
STA	STATION
T	TRACTION POWER SUBSTATION
TPSS	TANGENT TO SPIRAL
TS	TYPICAL
TYP	TYPICAL
V	VELOCITY
V	VELOCITY

EXISTING FEATURES

---	CITY LIMITS
---	LOT LINE
---	GAS
---	OVERHEAD ELECTRICAL
---	UNDERGROUND ELECTRICAL
---	WETLAND
---	STREAM
---	TRACK CENTERLINE
---	EXISTING GROUND (PROFILE)
250	CONTOUR LINE

PROPOSED FEATURES

---	PROPOSED/EXISTING WSDOT ROW
---	CONSTRUCTION FOOTPRINT
---	GUIDEWAY CENTERLINE
---	CURB AND SIDEWALK
---	BOTTOM OF STRUCTURE (PROFILE)
---	TOP OF RAIL (PROFILE)
---	FILL RETAINING WALL
---	CUT RETAINING WALL
---	STATION PLATFORM
---	AT-GRADE /TRENCH (BALLASTED) TRACK
---	ELEVATED GUIDEWAY
○	COLUMNS / STRADDLE BENTS
○	LONG SPAN COLUMNS
---	ABUTMENT WALL
TPSS	TPSS BUILDING
○	NEW SIGNAL

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FINAL EIS - CONCEPTUAL DESIGN
SHEET INDEX
SR 99 ALTERNATIVE

AUGUST 2016

SR99-A00-GX01
62

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X			
K - FEDERAL WAY SR 99 STATION OPTION															X	X

I - NOT USED



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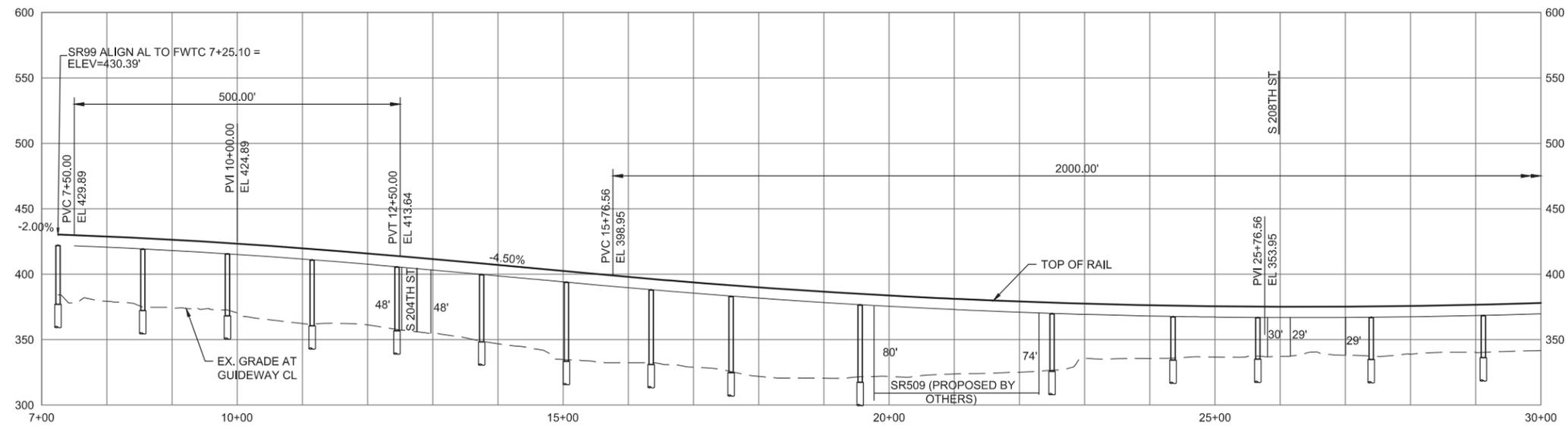
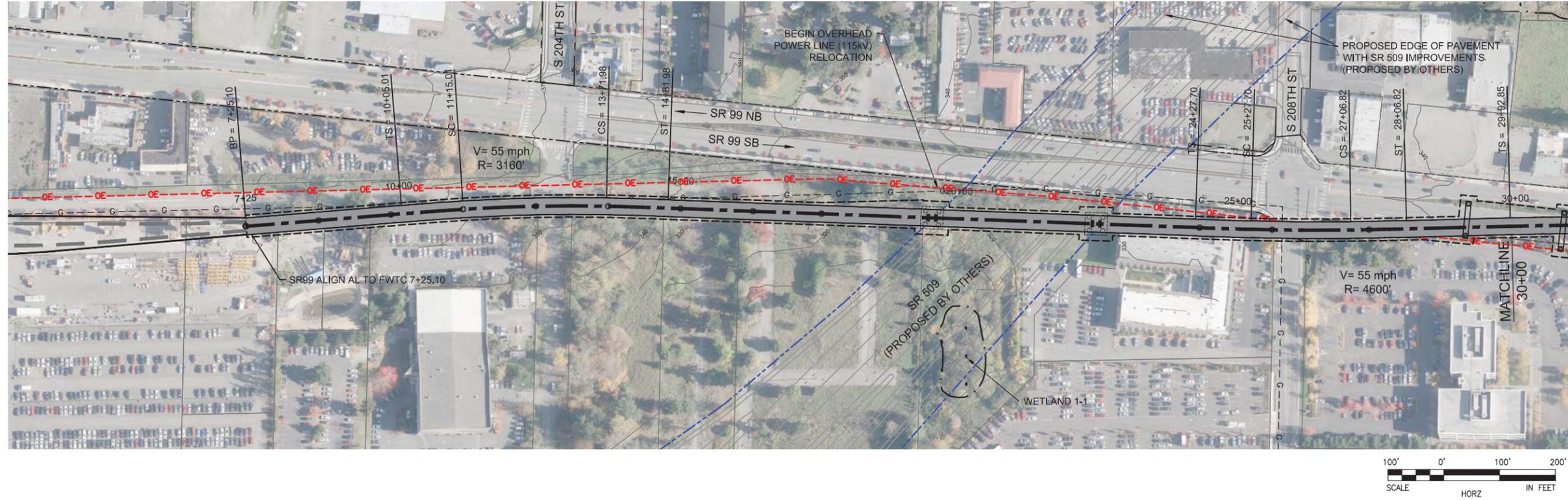


FINAL EIS - CONCEPTUAL DESIGN
SR99 ALTERNATIVE
SHEET INDEX KEYMAP

AUGUST 2016

SR99-A00-GX02
63

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



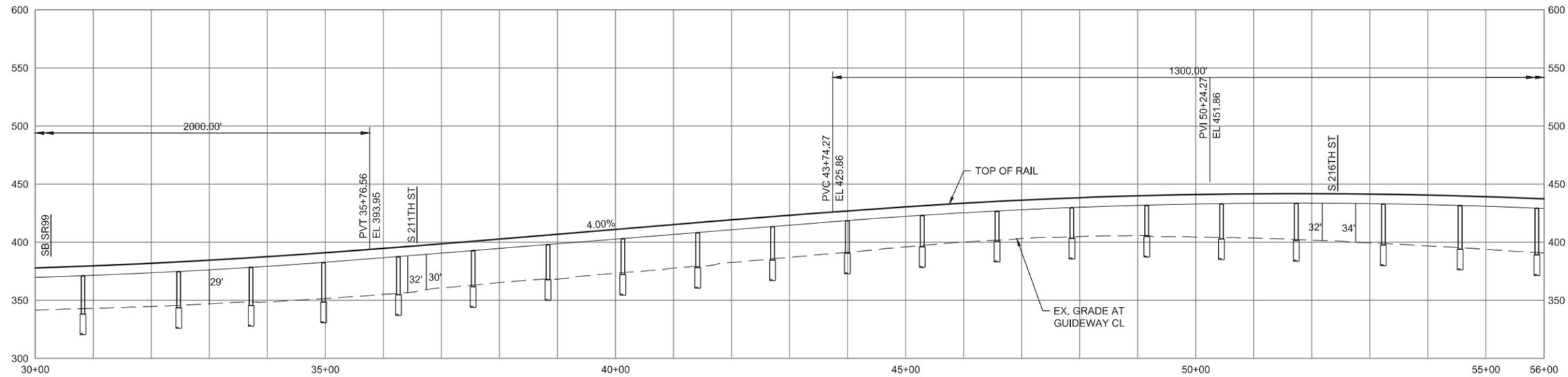
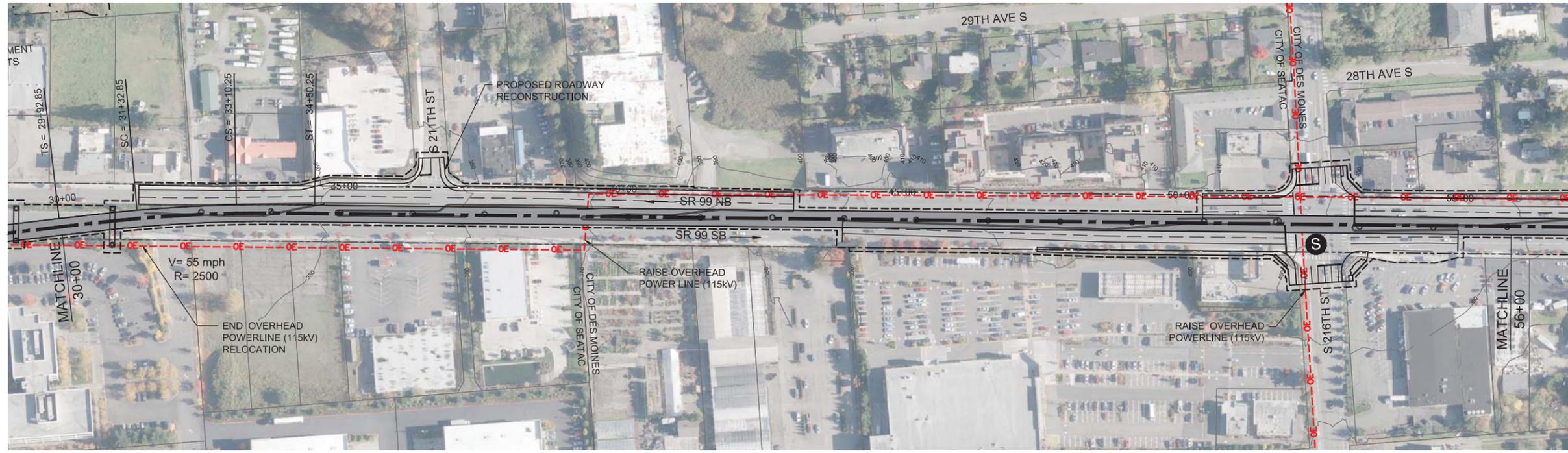
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 7+25 TO STA 30+00

AUGUST 2016
 SR99-A1-PP01
 64

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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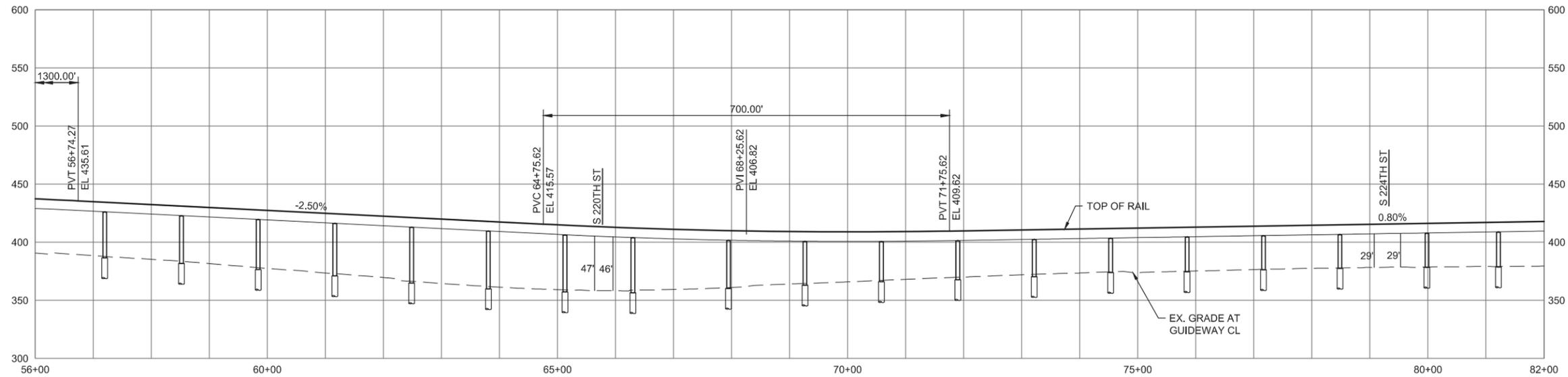
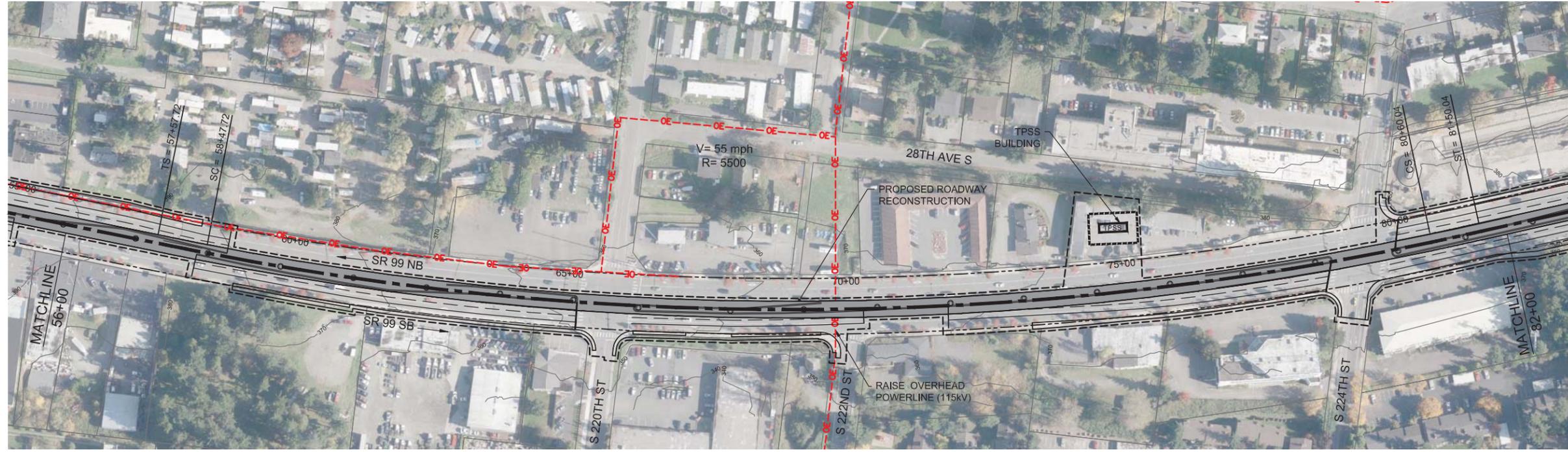


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 30+00 TO STA 56+00

AUGUST 2016

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SOUND TRANSIT FEDERAL WAY LINK EXTENSION



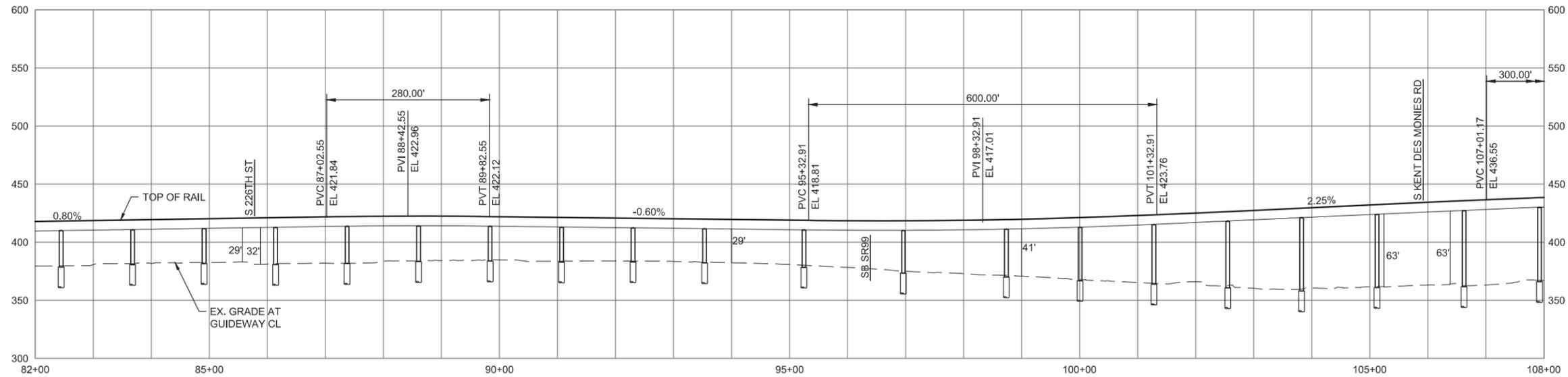
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 56+00 TO STA 82+00

AUGUST 2016
 SR99-A3-PP03
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION



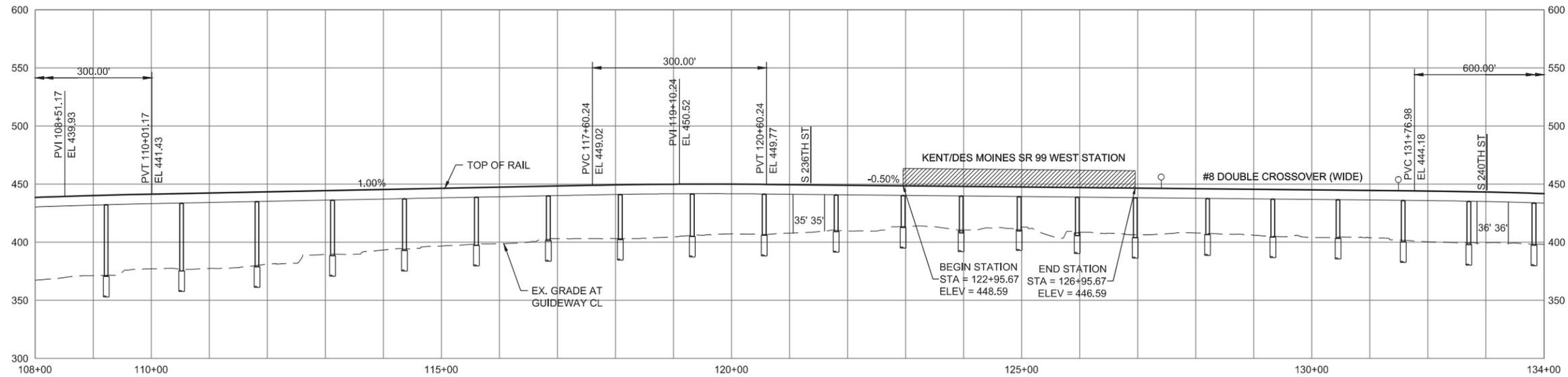
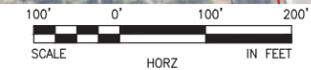
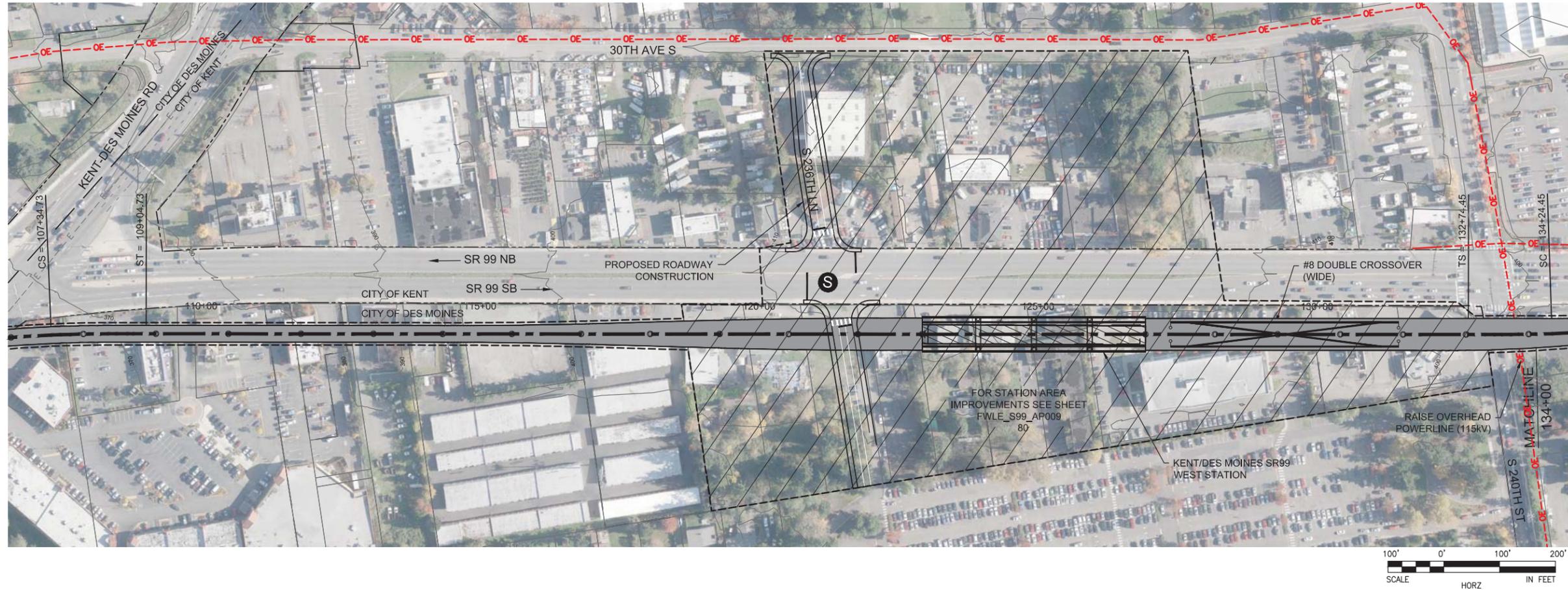
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 82+00 TO STA 108+00

AUGUST 2016
 SR99-A4-PP04
 67

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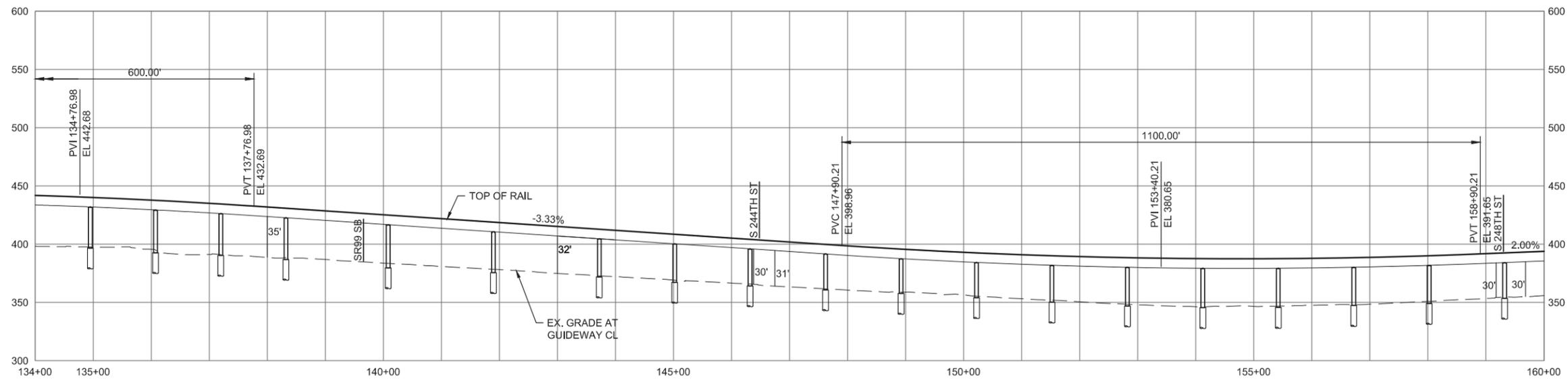


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 108+00 TO STA 134+00

AUGUST 2016

SR99-A5-PP05
 68

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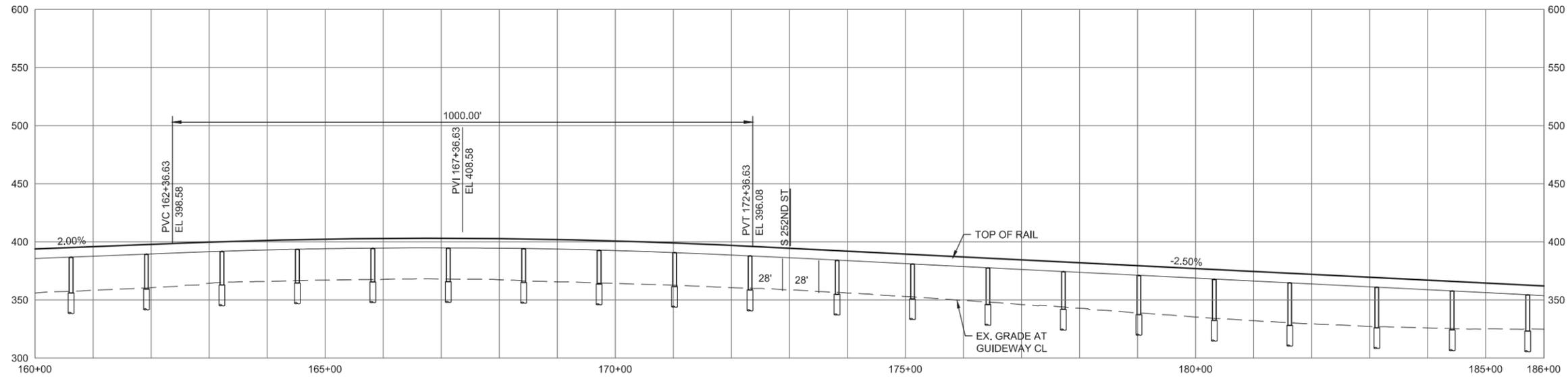
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 134+00 TO STA 160+00

AUGUST 2016
 SR99-A6-PP06
 69

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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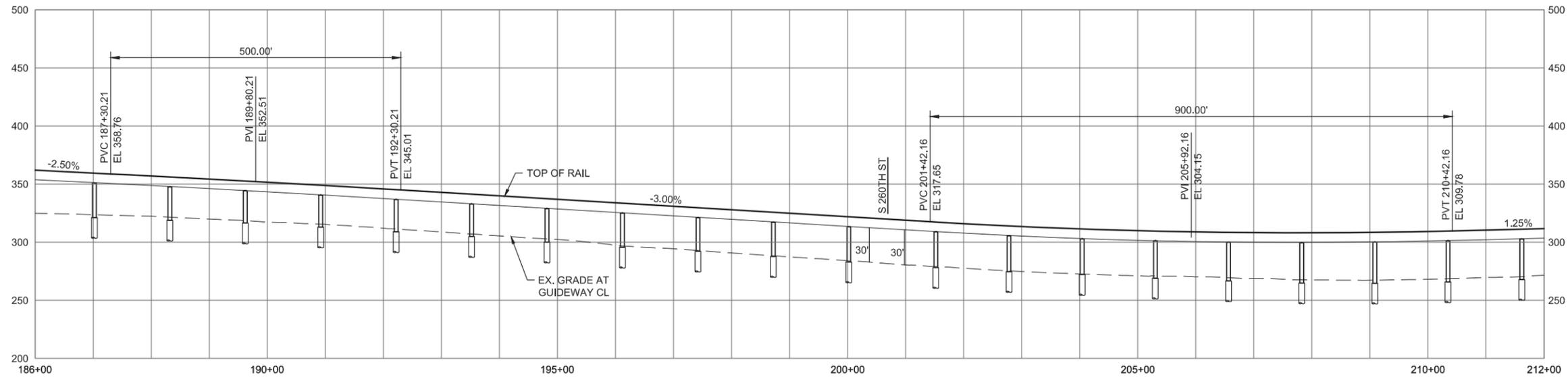
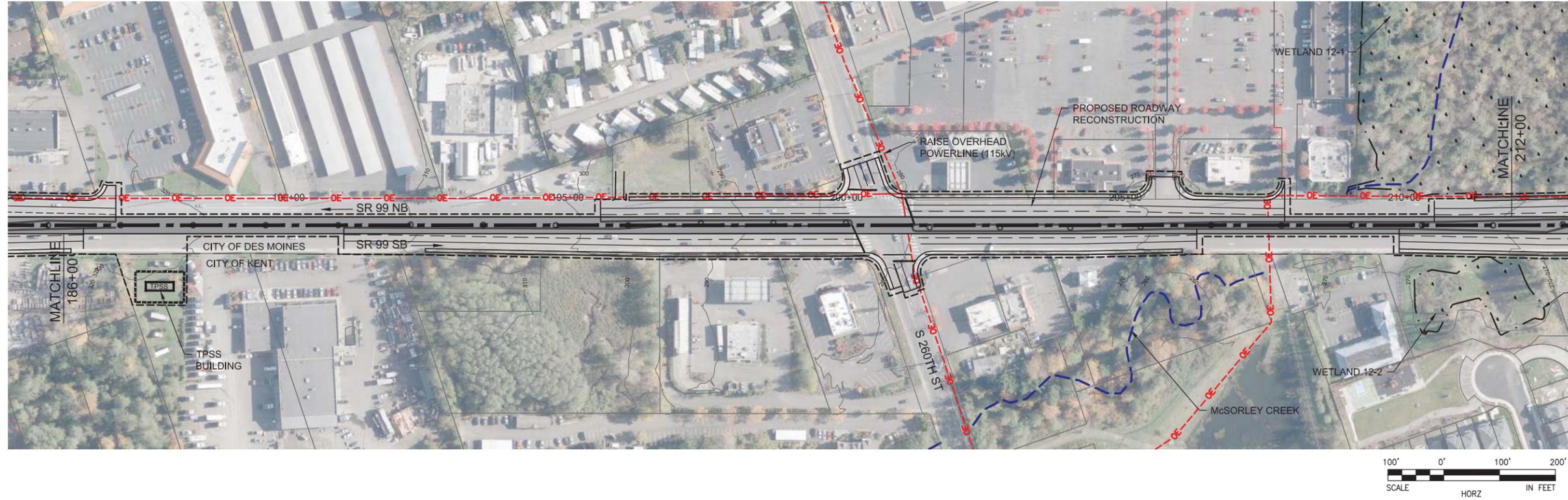


FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 ALTERNATIVE
STA 160+00 TO STA 186+00

AUGUST 2016

SR99-A7-PP07
70

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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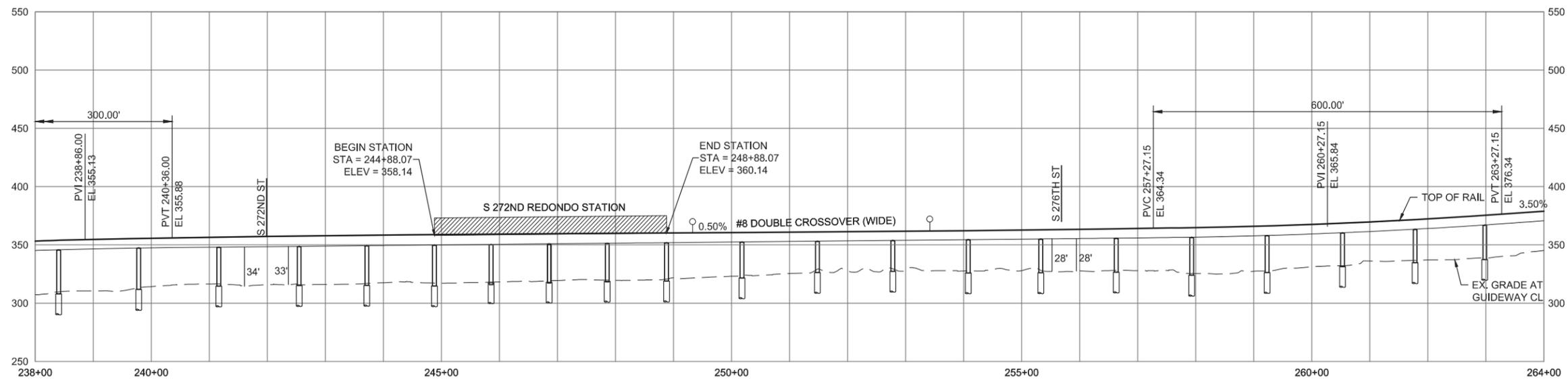
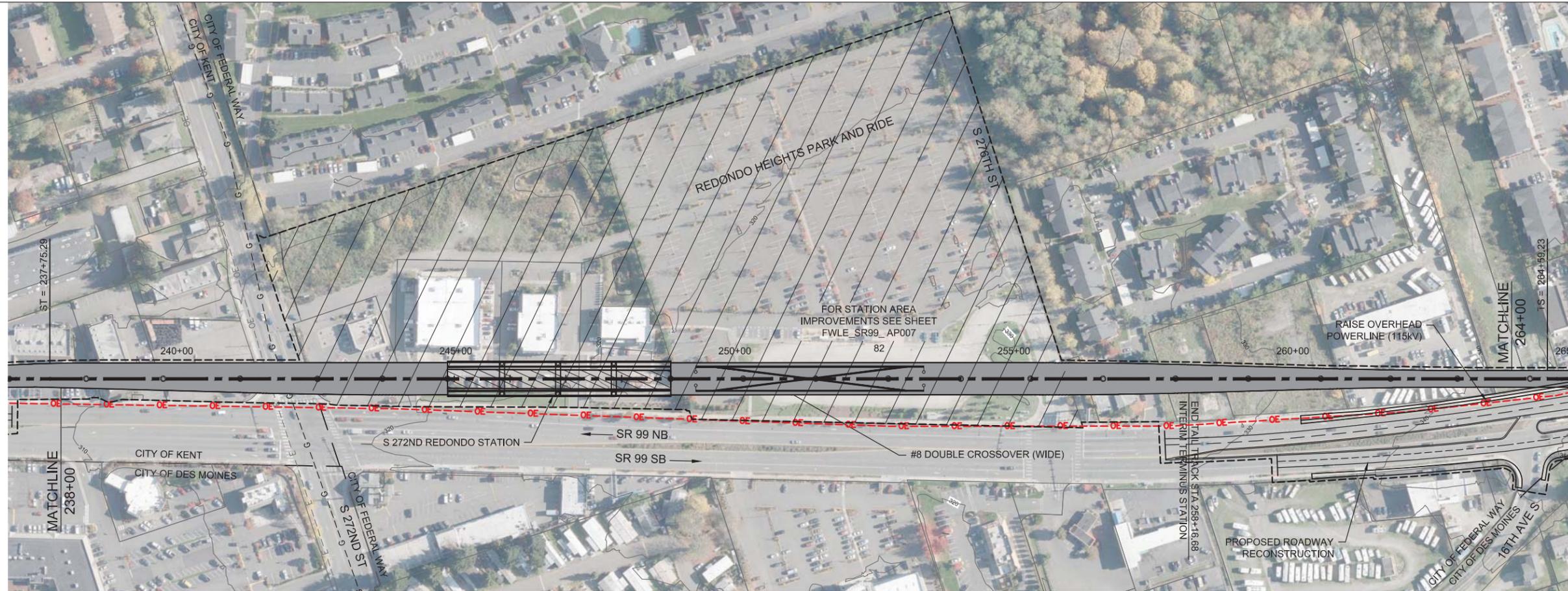


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 186+00 TO STA 212+00

AUGUST 2016

SR99-A8-PP08
71

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



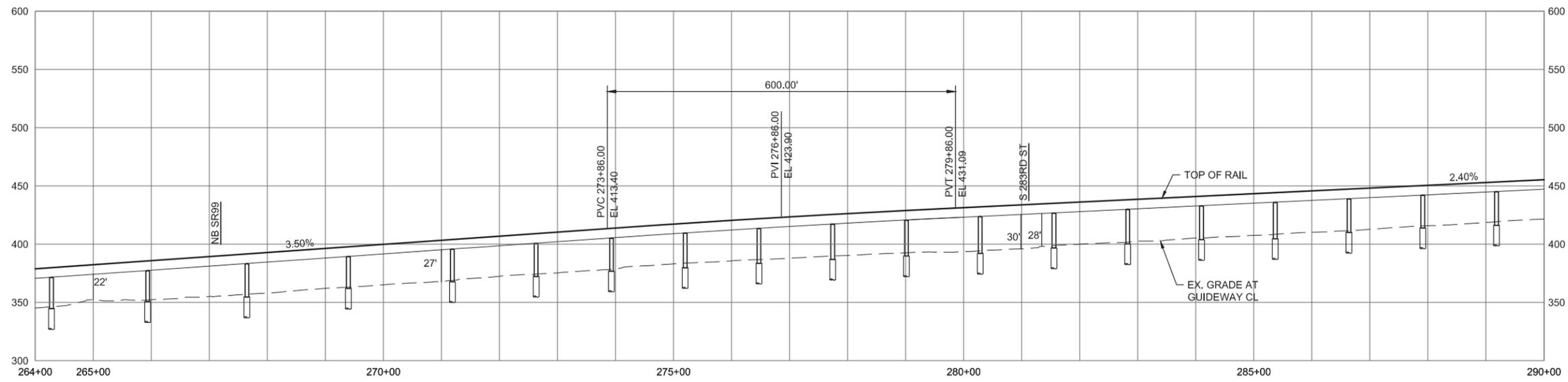
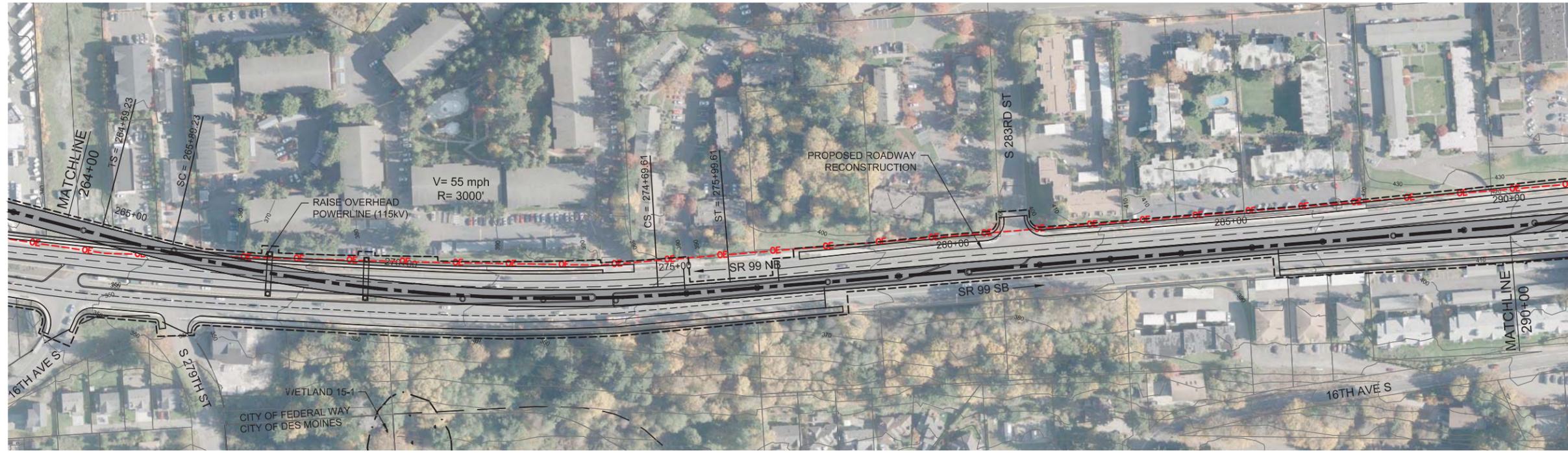
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 238+00 TO STA 264+00

AUGUST 2016
 SR99-A10-PP10
 73

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



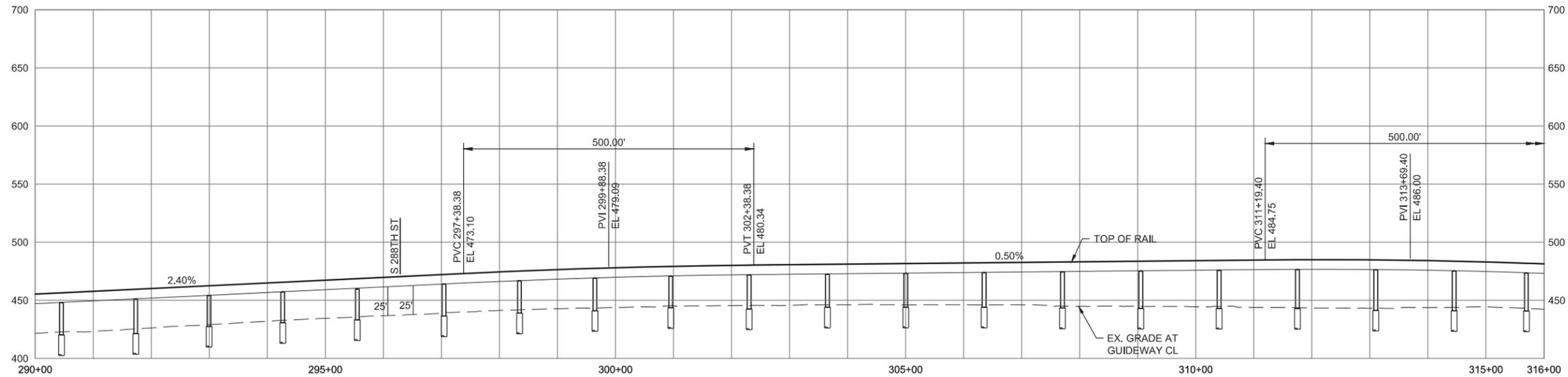
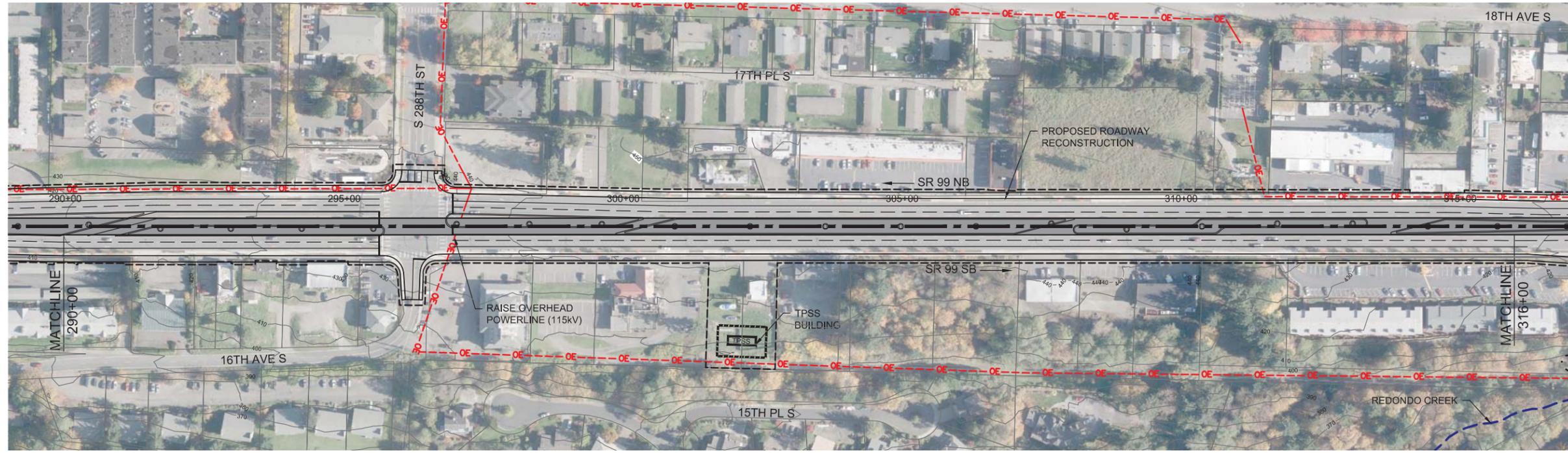
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 264+00 TO STA 290+00

AUGUST 2016
 SR99-A11-PP11
 74

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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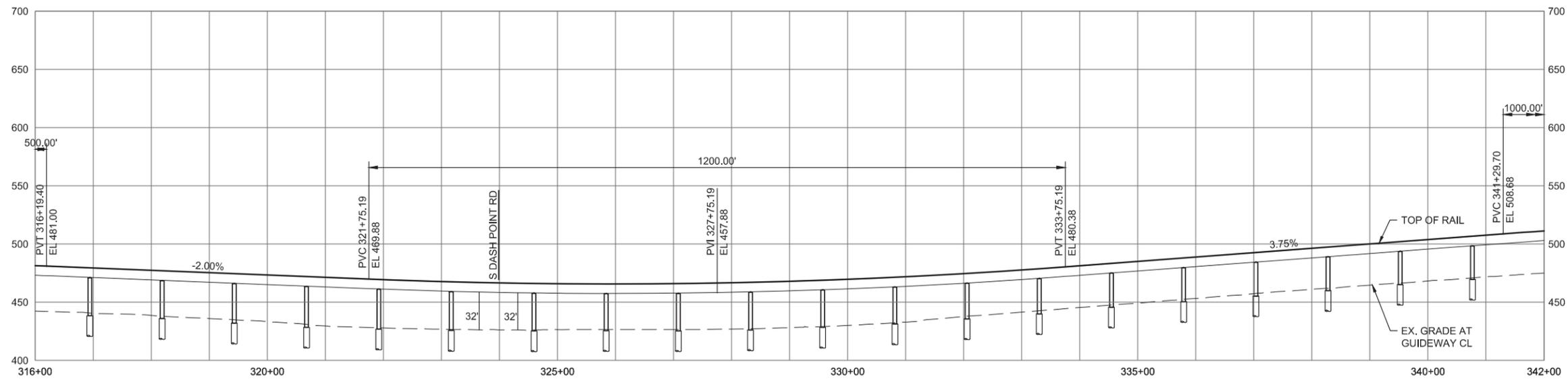
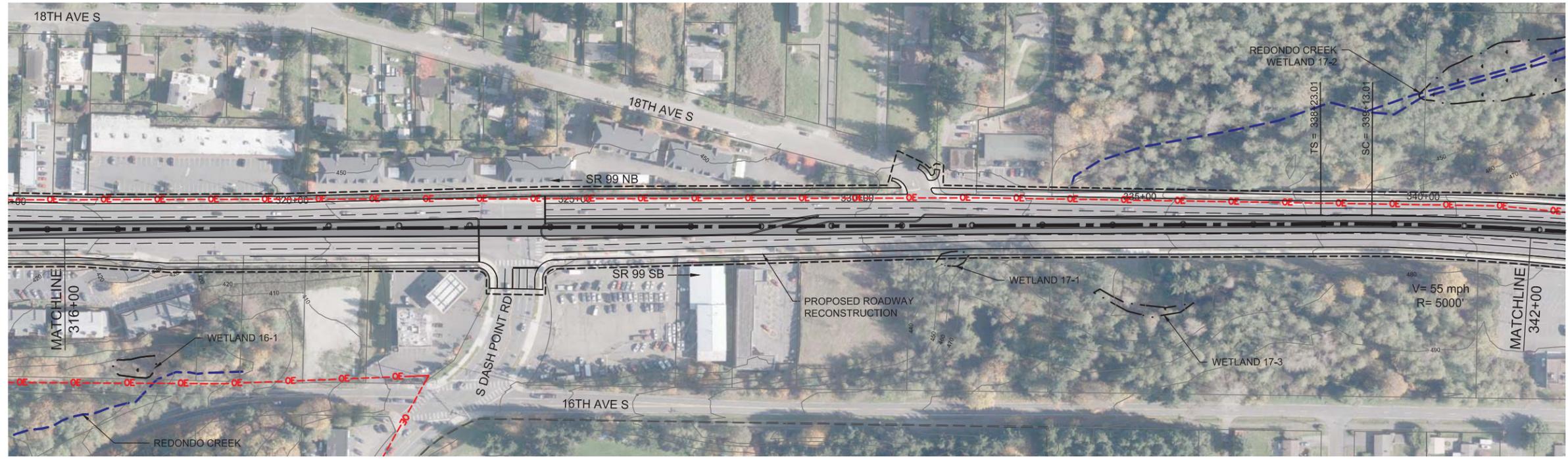


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 290+00 TO STA 316+00

AUGUST 2016

SR99-A12-PP12
75

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



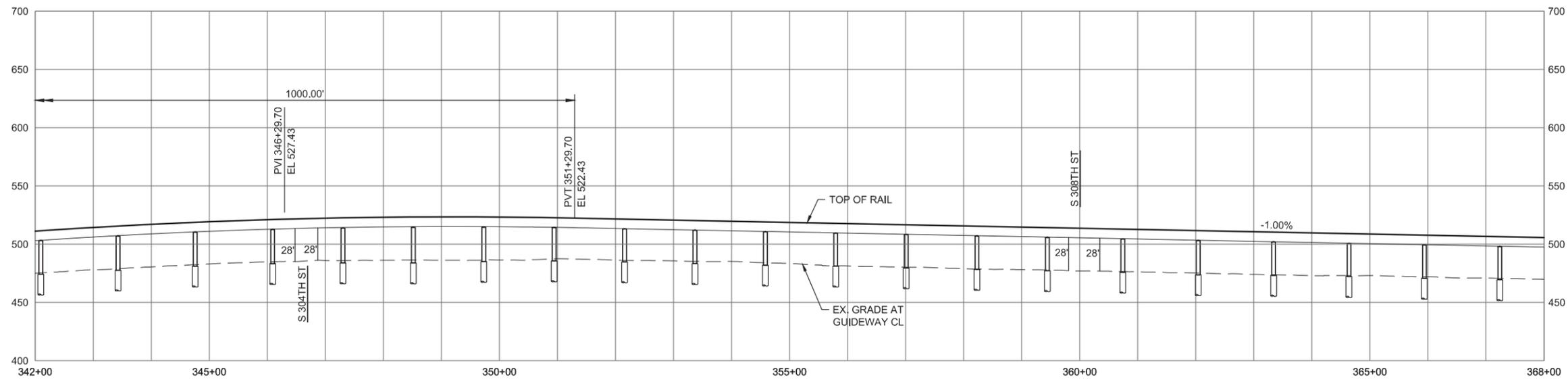
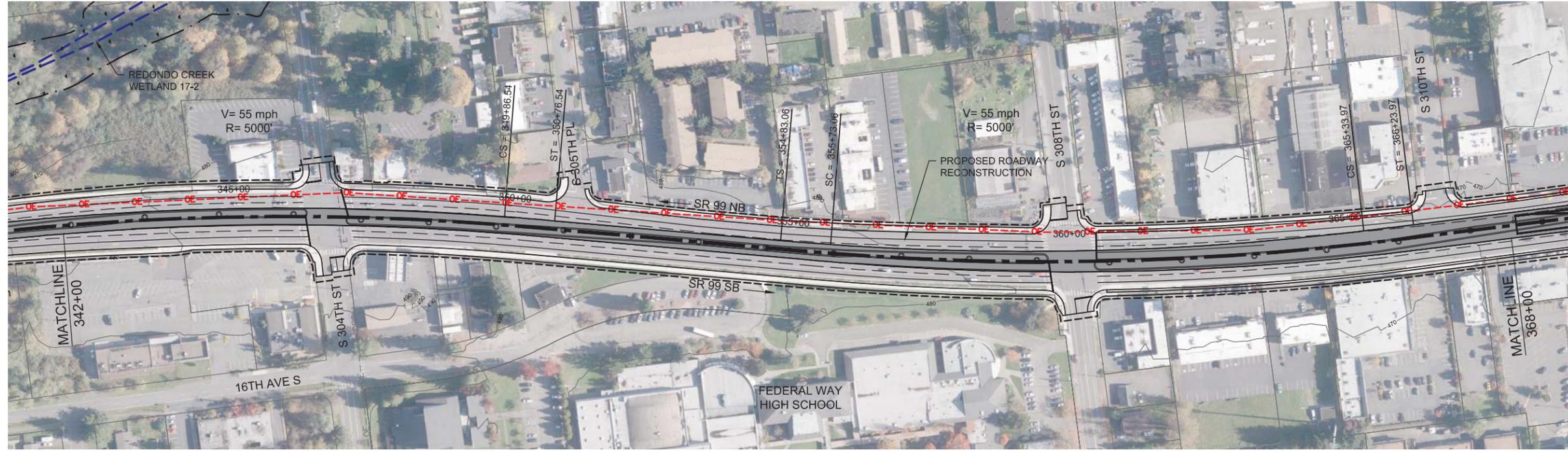
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 316+00 TO STA 342+00

AUGUST 2016
 SR99-A13-PP13
 76

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



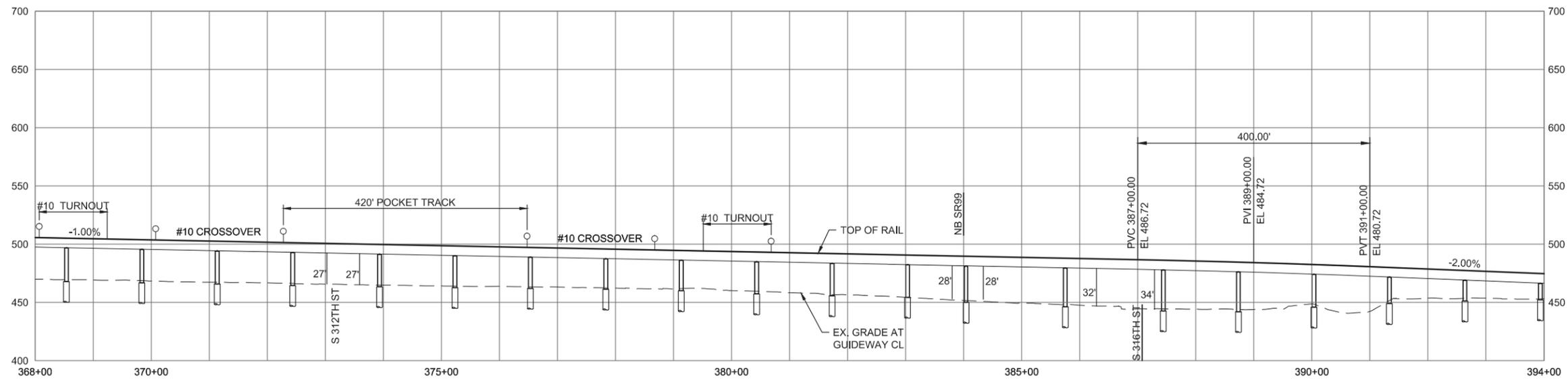
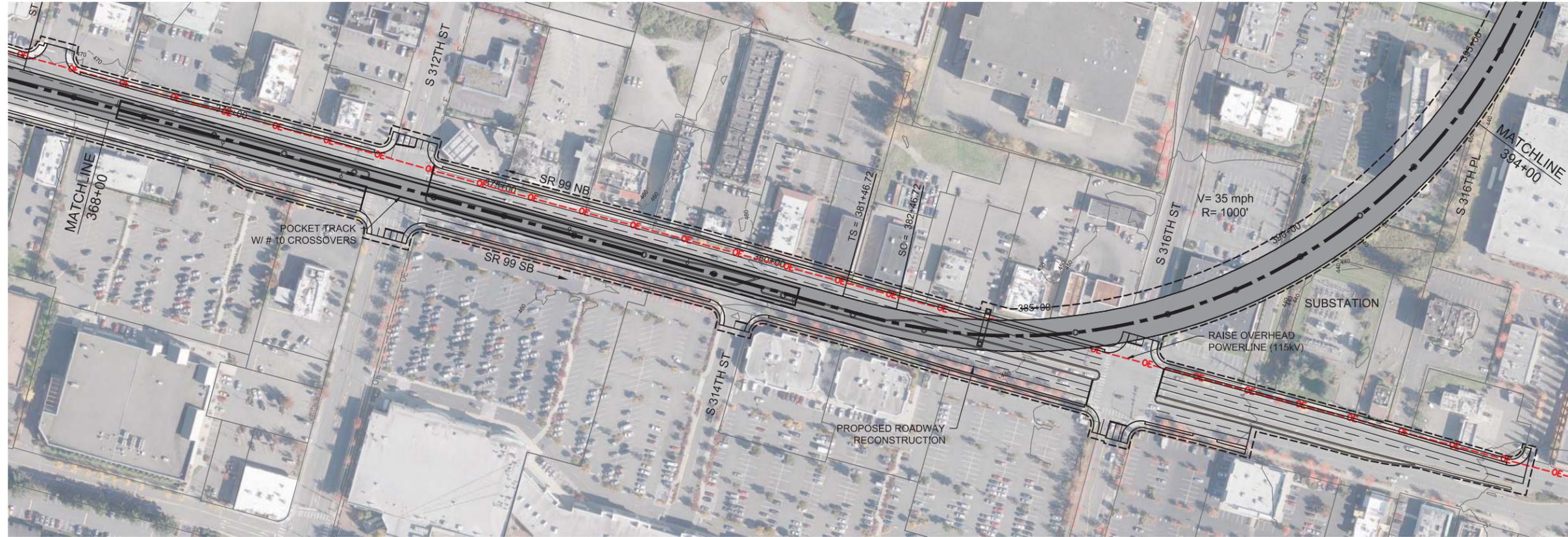
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FINAL EIS - CONCEPTUAL DESIGN
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 SR 99 ALTERNATIVE
 STA 342+00 TO STA 368+00

AUGUST 2016
 SR99-A14-PP14
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION



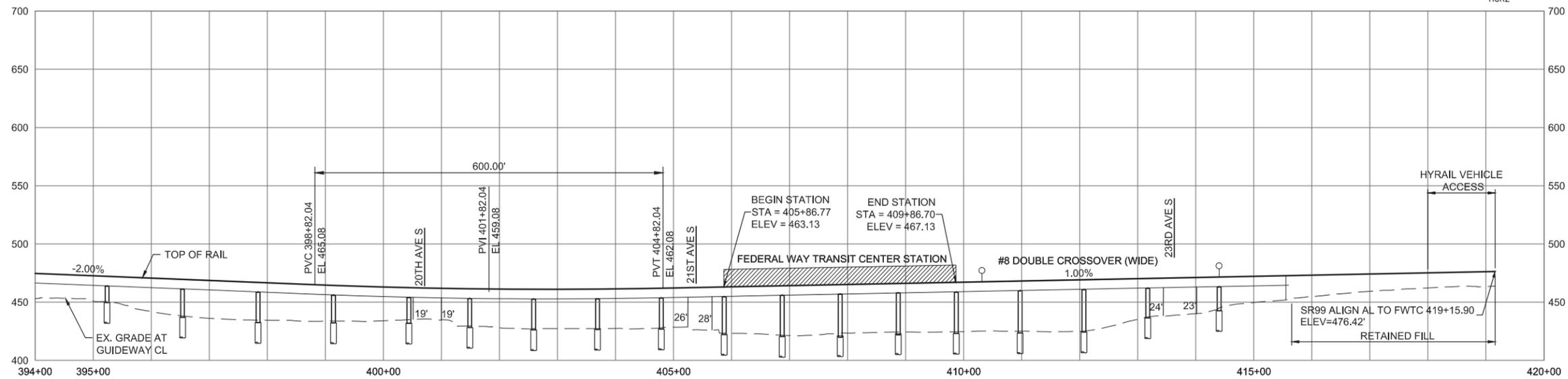
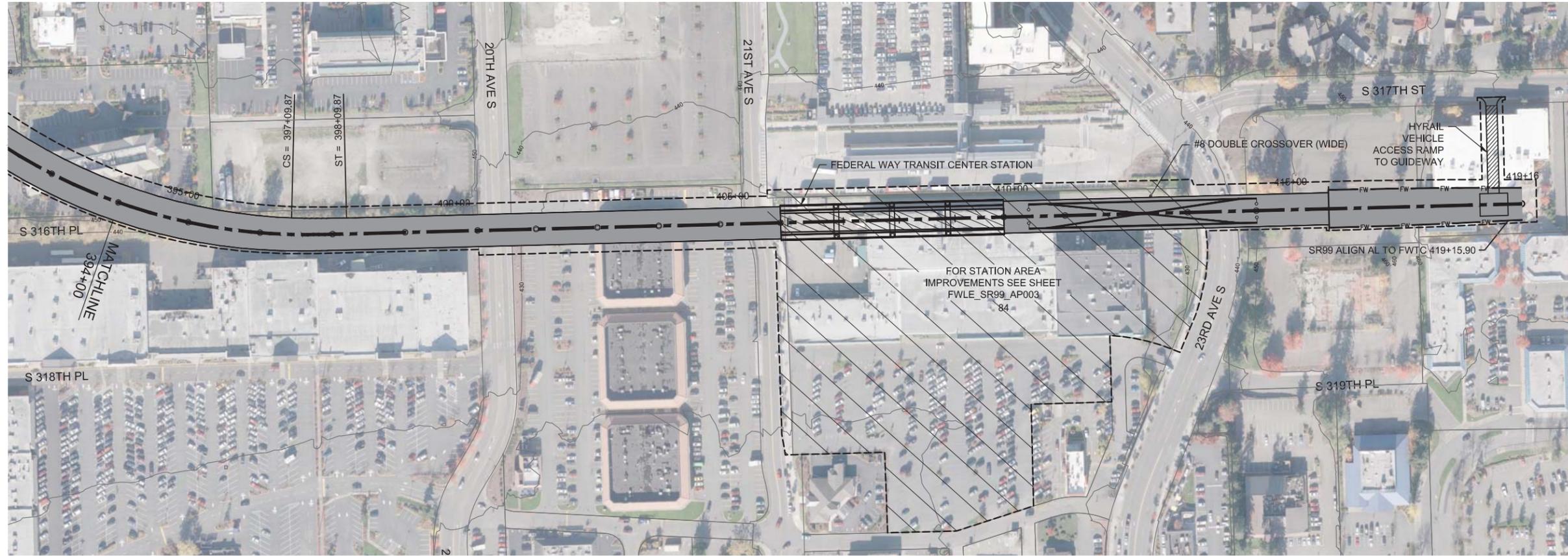
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 368+00 TO STA 394+00

AUGUST 2016
 SR99-A15-PP15
 78

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 394+00 TO STA 419+15.90

AUGUST 2016

SR99-A16-PP16
79

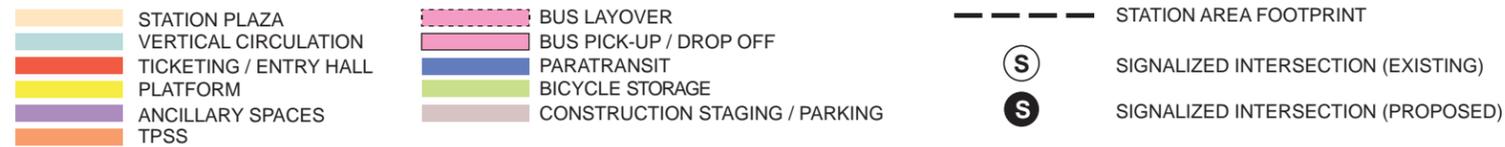
SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

Kent/Des Moines SR 99 West Station	
Alternative(s):	SR 99
Boardings	3,000
Boardings (with 216th Station)	2,500
Boardings (interim terminus)	4,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	2
# of staircases (patron)	2
# of elevators	2
# of emergency stairs	2
Bus/Paratransit Facilities	
Bus pick-up/drop-off (KCM)	2 bays, one 60' coach each
Bus pick-up/drop-off (ST)	1 bay, two 60' coaches
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, two 60' coaches each
Bus layover (ST)	1 bay, two 60' coaches
Paratransit	1 permanent, 1 interim
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term parking	7 to 10 spaces
Staff parking	4 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Long-term patron parking	500 spaces (structure)
Temporary patron parking*	500 spaces (surface)
Total proposed patron parking*	1000 Spaces

*Only required for interim terminus condition

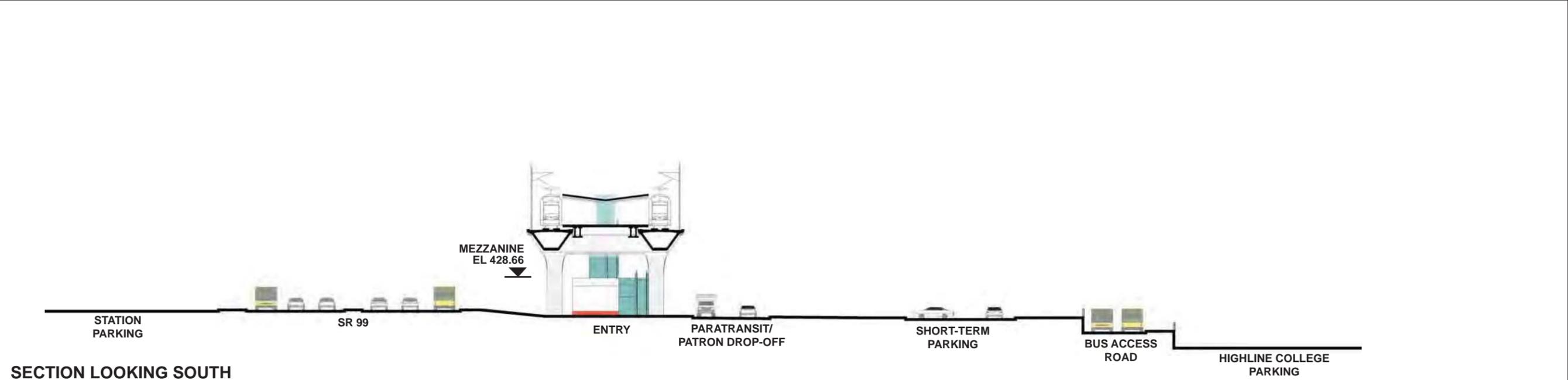


FINAL EIS - CONCEPTUAL DESIGN
KENT/DES MOINES SR 99 WEST STATION
SITE PLAN

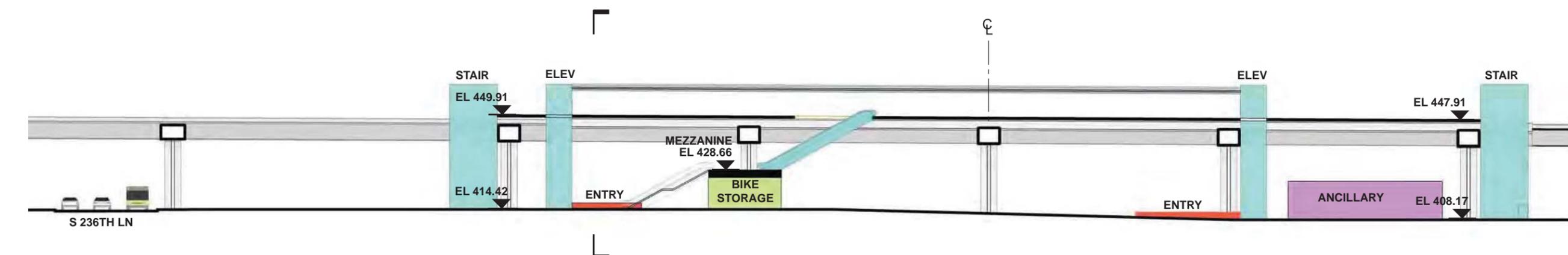
AUGUST 2016

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80

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

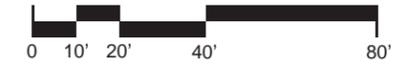


SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | |
|------------------------|--------------------------------|
| STATION PLAZA | BUS LAYOVER |
| VERTICAL CIRCULATION | BUS PICK-UP / DROP OFF |
| TICKETING / ENTRY HALL | PARATRANSIT |
| PLATFORM | BICYCLE STORAGE |
| ANCILLARY SPACES | CONSTRUCTION STAGING / PARKING |
| TPSS | |



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FINAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES SR 99 WEST STATION
 SECTIONS

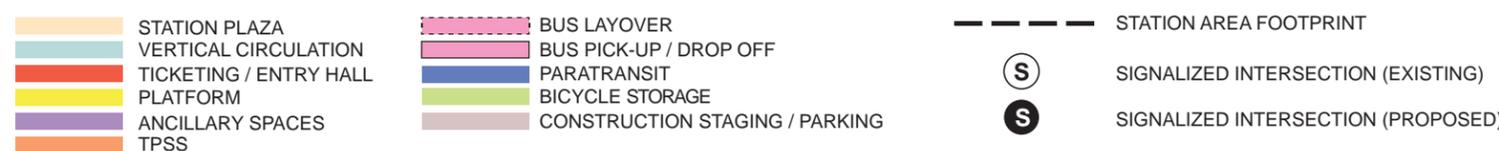
AUGUST 2016
 FWLE_S99_AX009
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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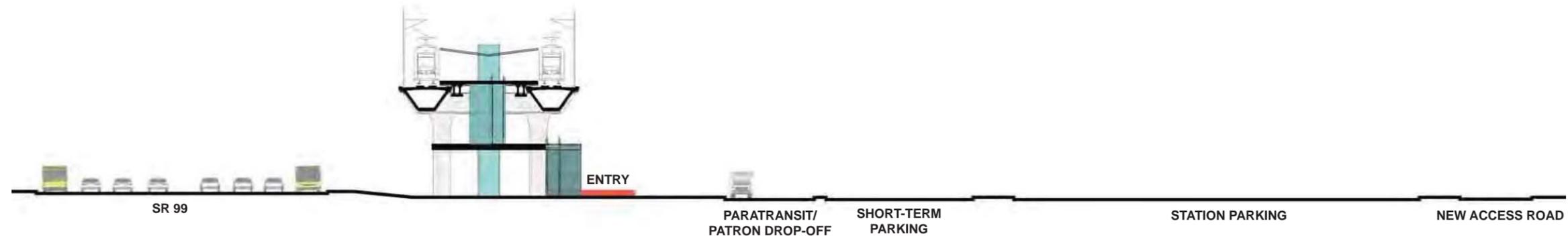
S 272nd Redondo Station	
Alternative(s)	SR 99
Boardings	1,500
Boardings (interim terminus)	3,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	4
# of staircases (patron)	4
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	N/A
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, one 60' coach each
Bus layover (ST)	N/A
Paratransit	1 permanent, 1 interim
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Existing patron parking	700 spaces
Additional patron parking	700 spaces
Total proposed patron parking	1400 spaces (structure)



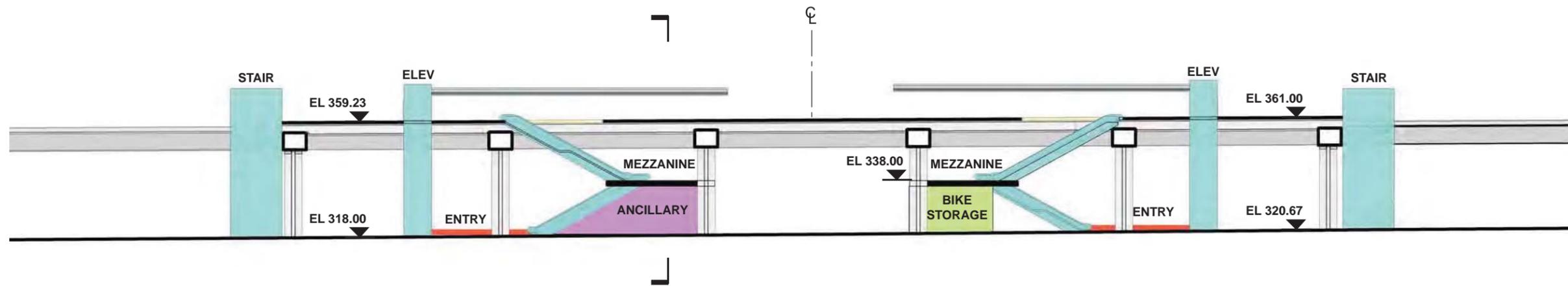
FINAL EIS - CONCEPTUAL DESIGN
S 272ND REDONDO STATION
SITE PLAN

AUGUST 2016
FWLE_S99_AP007
82

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SECTION LOOKING NORTH



SECTION LOOKING EAST

- | | | | |
|--|------------------------|--|--------------------------------|
| | STATION PLAZA | | BUS LAYOVER |
| | VERTICAL CIRCULATION | | BUS PICK-UP / DROP OFF |
| | TICKETING / ENTRY HALL | | PARATRANSIT |
| | PLATFORM | | BICYCLE STORAGE |
| | ANCILLARY SPACES | | CONSTRUCTION STAGING / PARKING |
| | TPSS | | |



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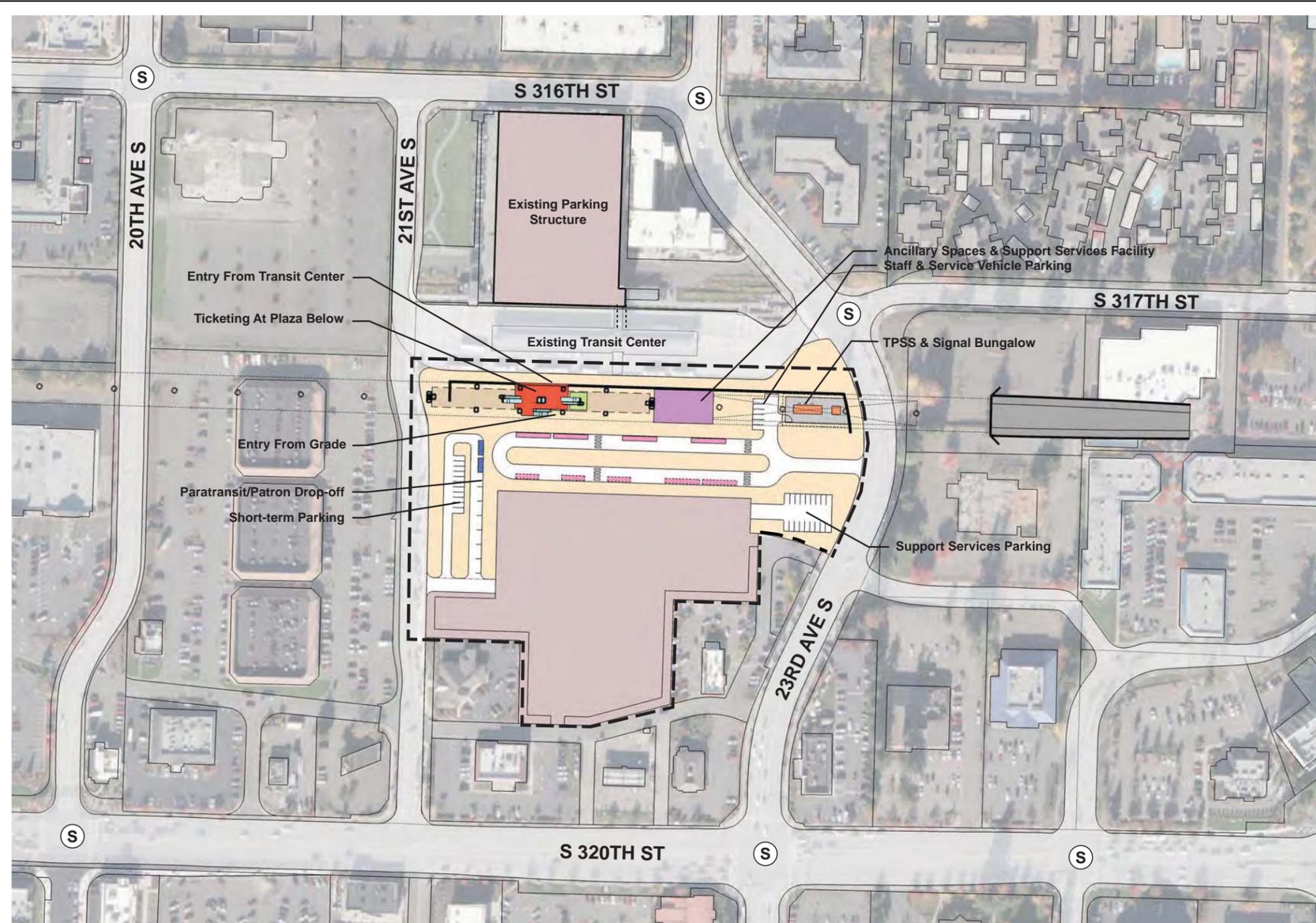


FINAL EIS - CONCEPTUAL DESIGN
 S 272ND REDONDO STATION
 SECTIONS

AUGUST 2016

FWLE_S99_AX007
 83

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING / PARKING
- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)

ASSUMPTIONS:

Federal Way Transit Center Station	
Alternative(s)	SR 99; I-5 to SR 99
Boardings	9,000
Station Configuration	
Terminus / In-Line	Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Support Services (SF)	5,000
Total Ancillary Spaces (SF)	7,000
Vertical Circulation	
# of entrances	2
# of escalators	3
# of staircases (patron)	3
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	1 bay, two 60' coaches
Rapid Ride	Transit Island (Existing)
Bus layover (KCM)	3 bays, one 40' coach each 5 bays, one 60' coach each (relocated from transit ctr.)
Bus layover (ST)	1 bay, two 60' coaches
Paratransit spaces	2 spaces
Communications Facility	Tier 3
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Support Services parking	15 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Existing patron parking	1,190 spaces
Additional patron parking	400 spaces
Total proposed patron parking	1590 spaces (structure)



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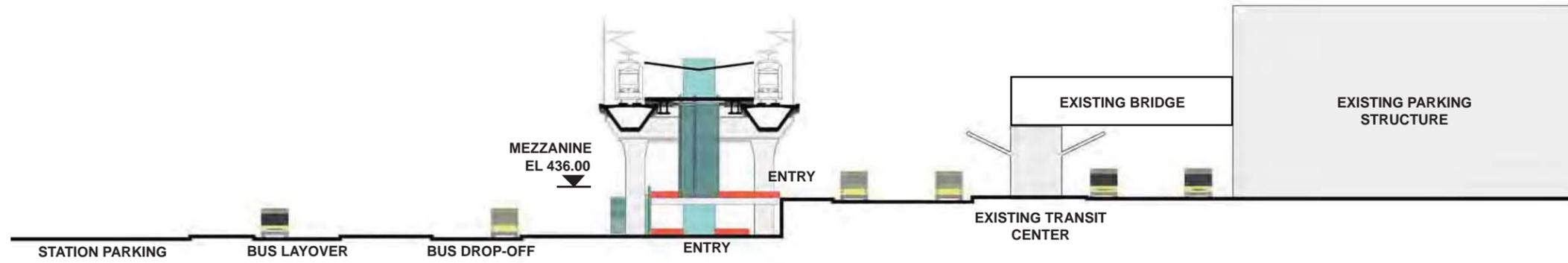
FINAL EIS - CONCEPTUAL DESIGN
FEDERAL WAY TRANSIT CENTER STATION
SITE PLAN

AUGUST 2016

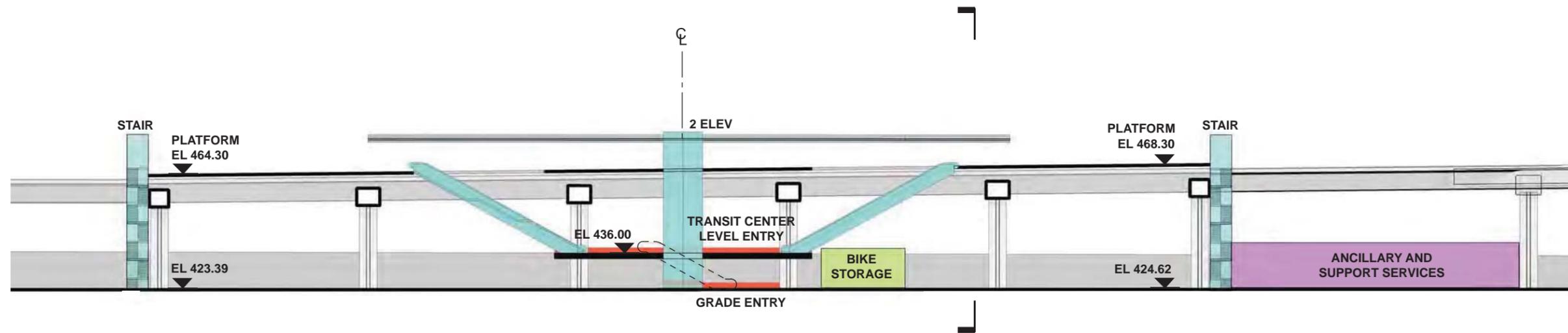
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84

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SECTION LOOKING WEST



SECTION LOOKING NORTH

- | | |
|--|--|
|  STATION PLAZA |  BUS LAYOVER |
|  VERTICAL CIRCULATION |  BUS PICK-UP / DROP OFF |
|  TICKETING / ENTRY HALL |  PARATRANSIT |
|  PLATFORM |  BICYCLE STORAGE |
|  ANCILLARY SPACES |  CONSTRUCTION STAGING / PARKING |
|  TPSS | |



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FINAL EIS - CONCEPTUAL DESIGN
 FEDERAL WAY TRANSIT CENTER STATION
 SECTIONS

AUGUST 2016

FWLE_S99_AX003
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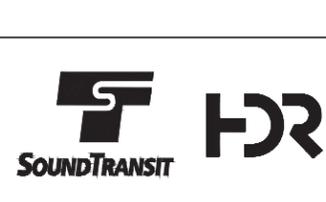
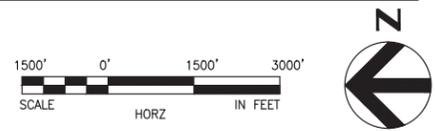
SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

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A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X			
K - FEDERAL WAY SR 99 STATION OPTION															X	X

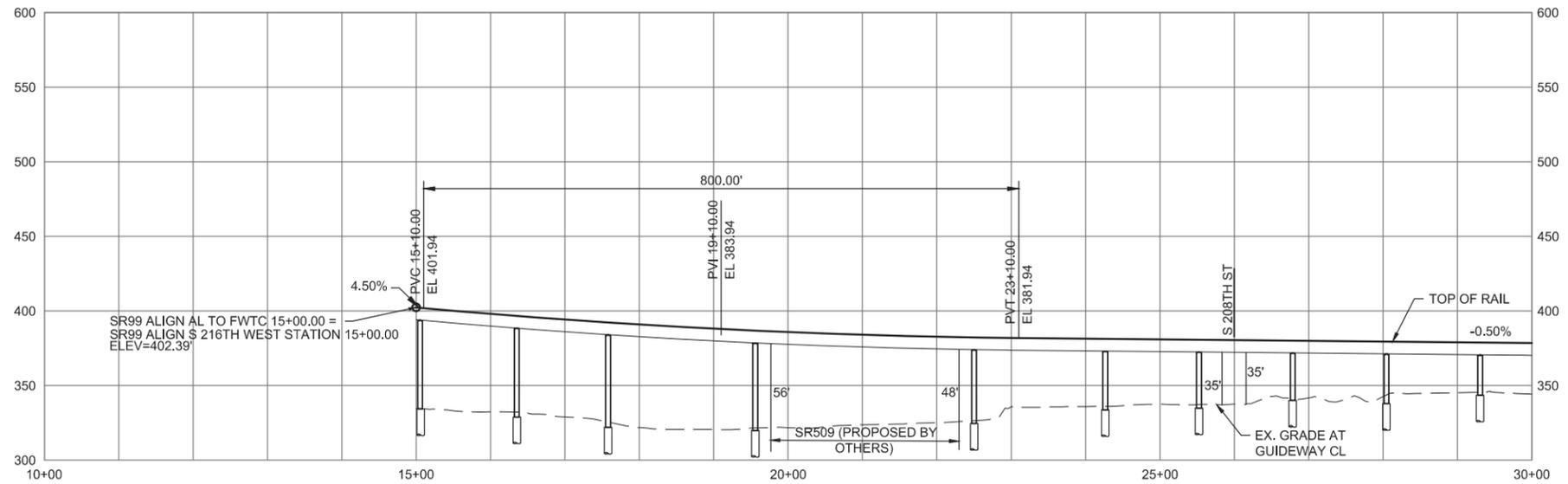
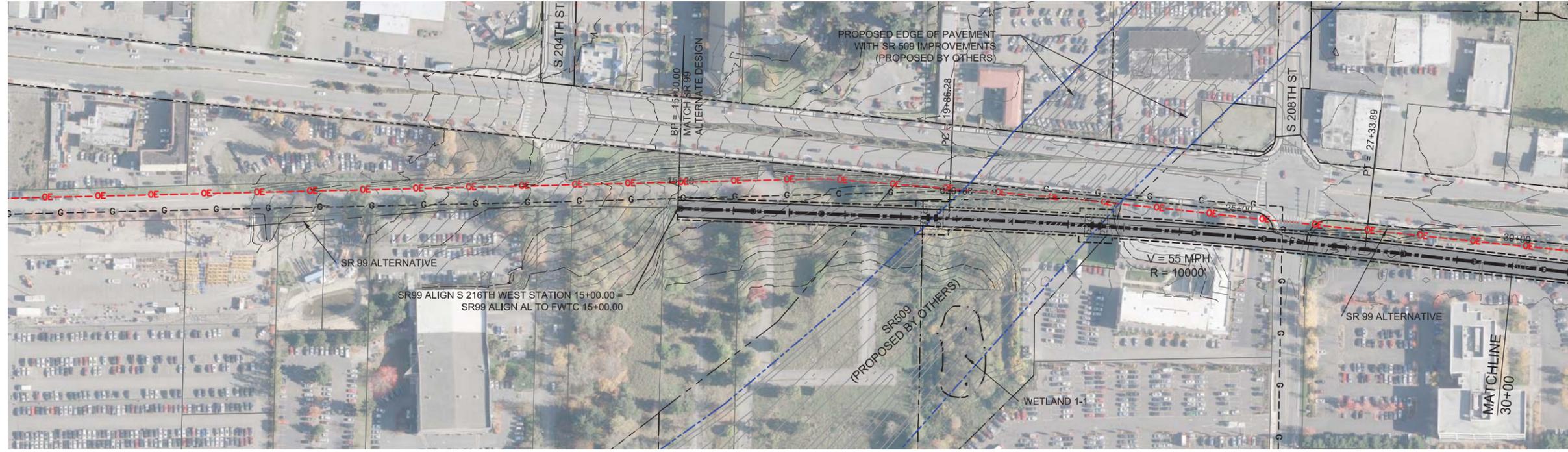
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FINAL EIS - CONCEPTUAL DESIGN
 S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 SHEET INDEX KEYMAP

AUGUST 2016
 SR99-B00-GX02
 86

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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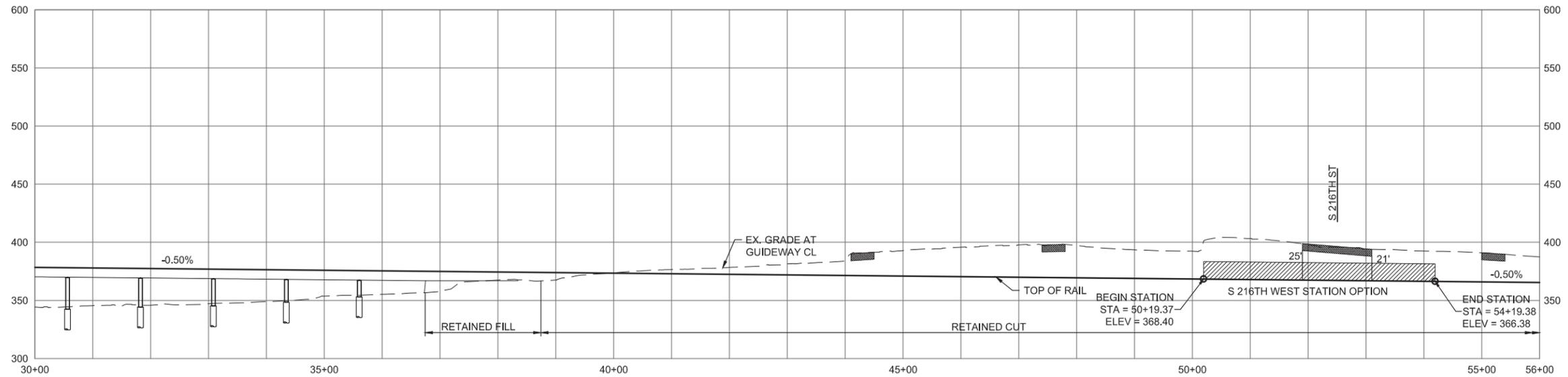
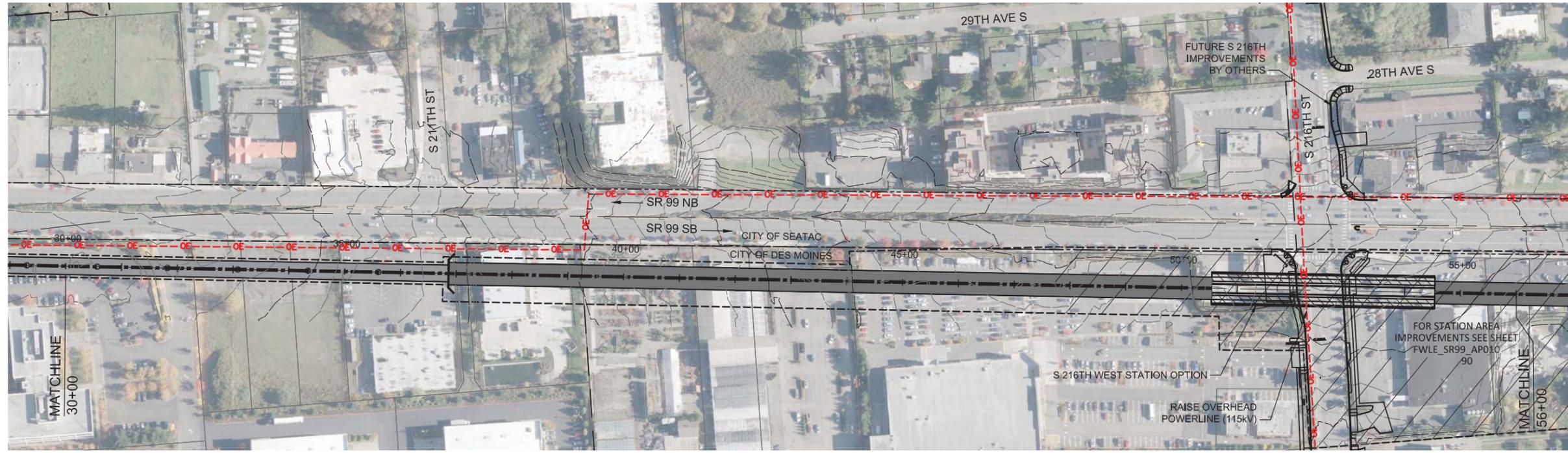


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 15+00 TO STA 30+00

AUGUST 2016

SR99-B1-PP01
87

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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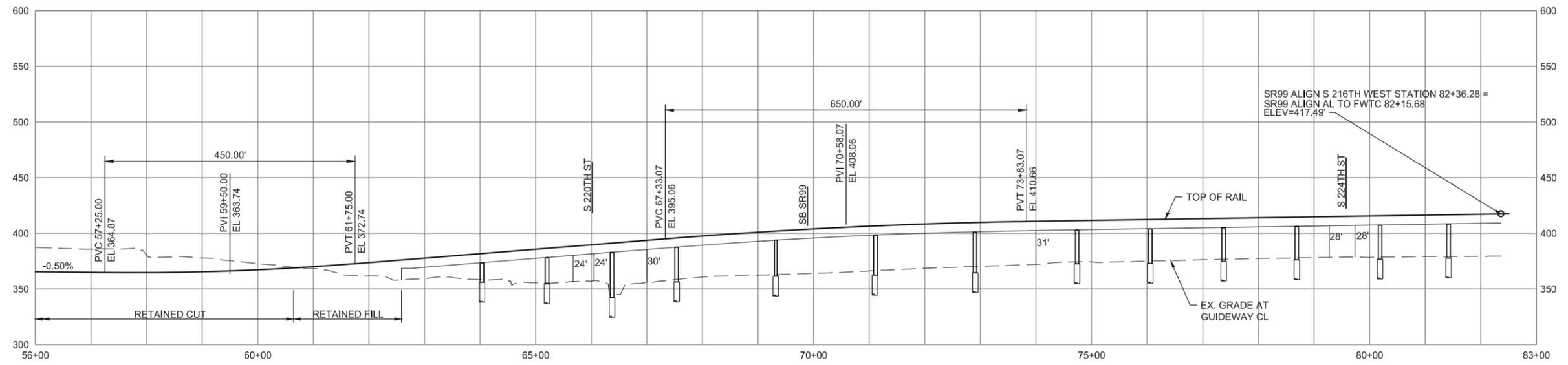
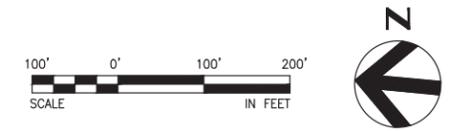
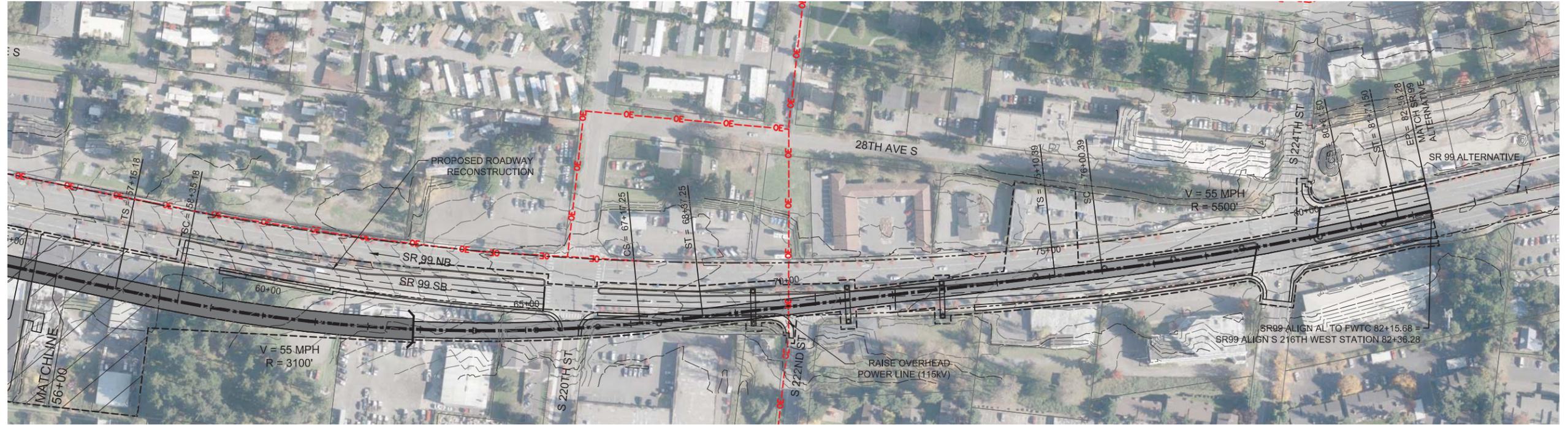


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE ROADWAY RECONSTRUCTION
 S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 30+00 TO STA 56+00

AUGUST 2016

SR99-B2-PP02
 88

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



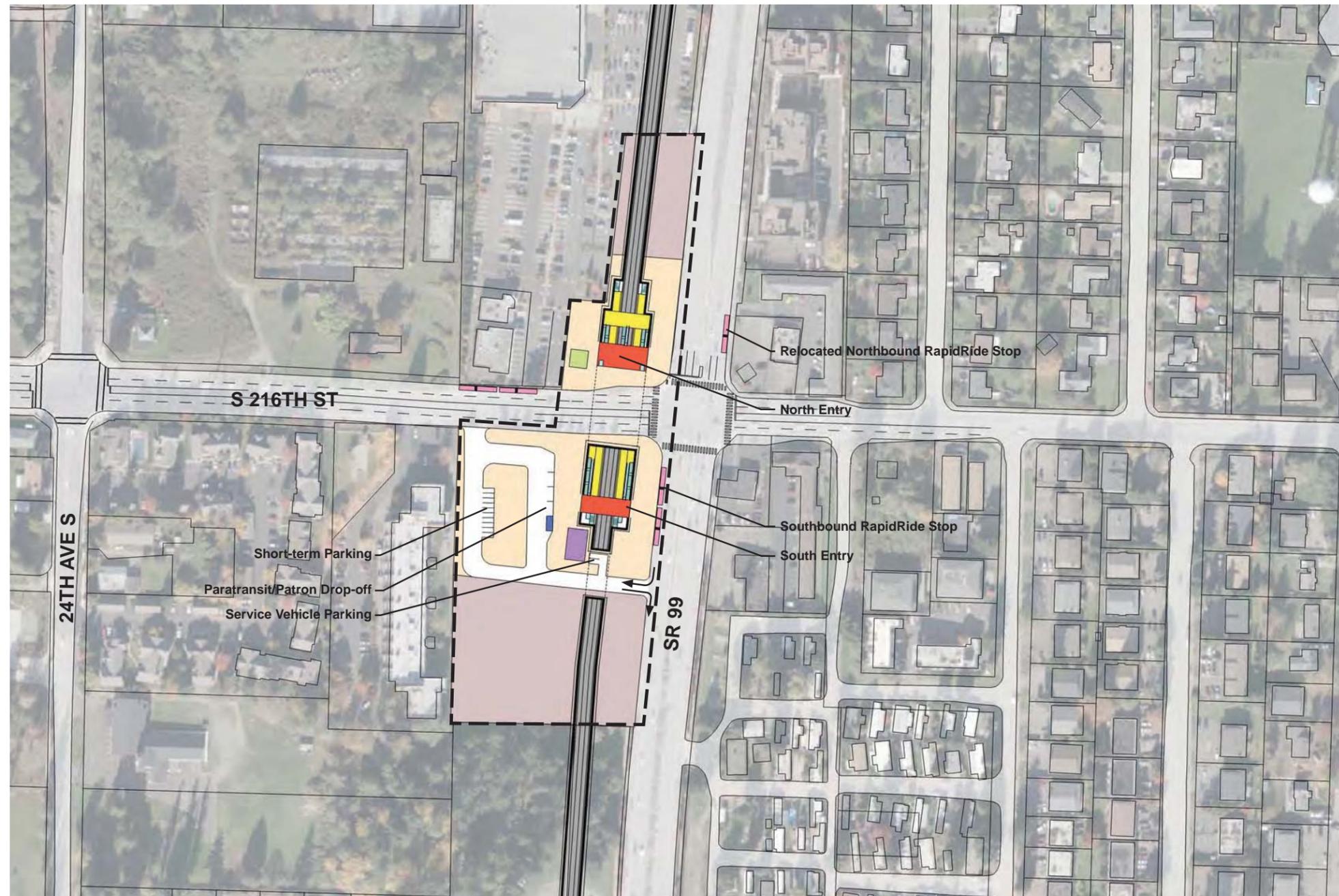
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FINAL EIS - CONCEPTUAL DESIGN
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 S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 56+00 TO STA 83+36.28

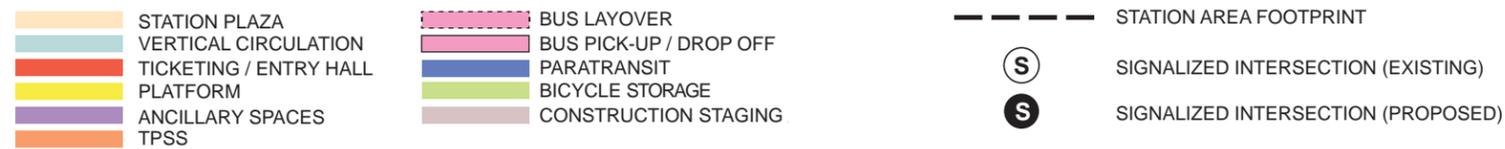
AUGUST 2016
 SR99-B3-PP03
 89

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

S 216th West Station Option	
Alternative(s)	SR 99; SR 99 to I-5
Boardings	1,000
Station Configuration	
Terminus / In-Line	In-Line
Station Type	Side Platform - Trench
Platform Width	14'
Tail track	N/A
Crossover	No
TPSS	No
Program	
KC Metro Ancillary Spaces (SF)	N/A
ST Ancillary Spaces (SF)	1,200
Total Ancillary Spaces (SF)	1,200
Vertical Circulation	
# of entrances	2
# of escalators	5
# of staircases (patron)	5
# of elevators	4
# of emergency stairs	4
Bus/ Paratransit Facilities	
Bus bays (KCM)	1 bay southbound at SR 99, two 60' coaches; 1 bay westbound at S 216th, two 60' coaches
Bus bays (ST)	N/A
Rapid Ride	On-street at SR 99
Bus layover (KCM)	N/A
Bus layover (ST)	N/A
Paratransit	1 space
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	2 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	N/A
Service/emerg. vehicle park.	2 spaces, combined
Signal bungalow / TPSS park.	N/A
Patron parking	N/A



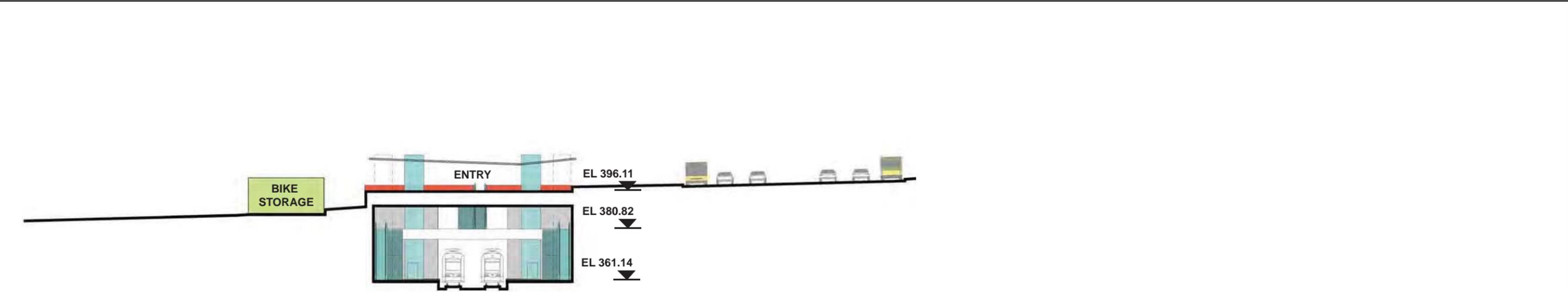
FINAL EIS - CONCEPTUAL DESIGN
 S 216TH WEST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SITE PLAN

AUGUST 2016

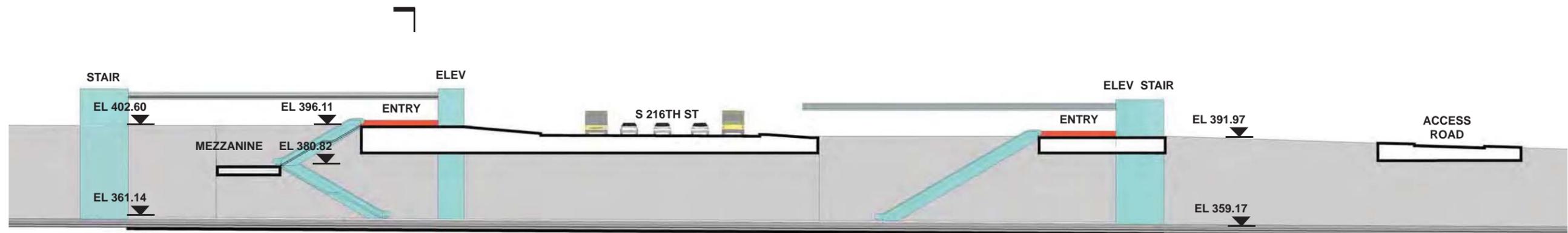
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION

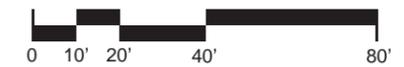


SECTION LOOKING NORTH



SECTION LOOKING EAST

- | | | | |
|--|------------------------|--|------------------------|
| | STATION PLAZA | | BUS LAYOVER |
| | VERTICAL CIRCULATION | | BUS PICK-UP / DROP OFF |
| | TICKETING / ENTRY HALL | | PARATRANSIT |
| | PLATFORM | | BICYCLE STORAGE |
| | ANCILLARY SPACES | | CONSTRUCTION STAGING |
| | TPSS | | |



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FINAL EIS - CONCEPTUAL DESIGN
 S 216TH WEST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SECTIONS

AUGUST 2016

FWLE_S99_AX010
 91

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

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B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

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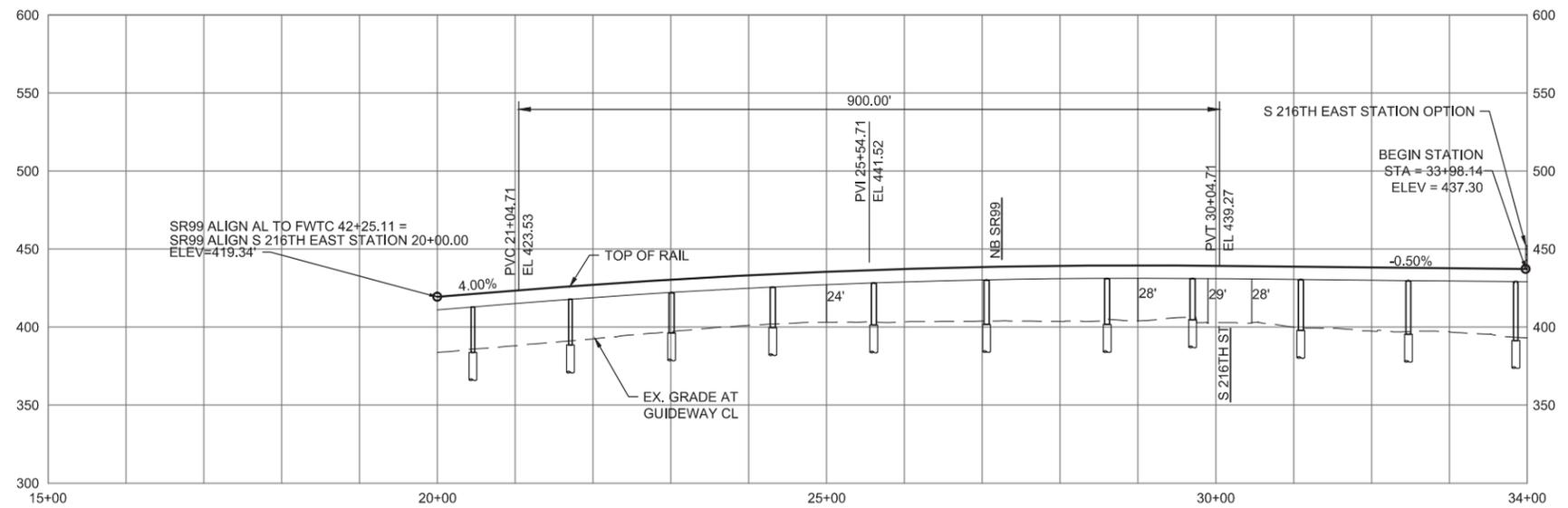
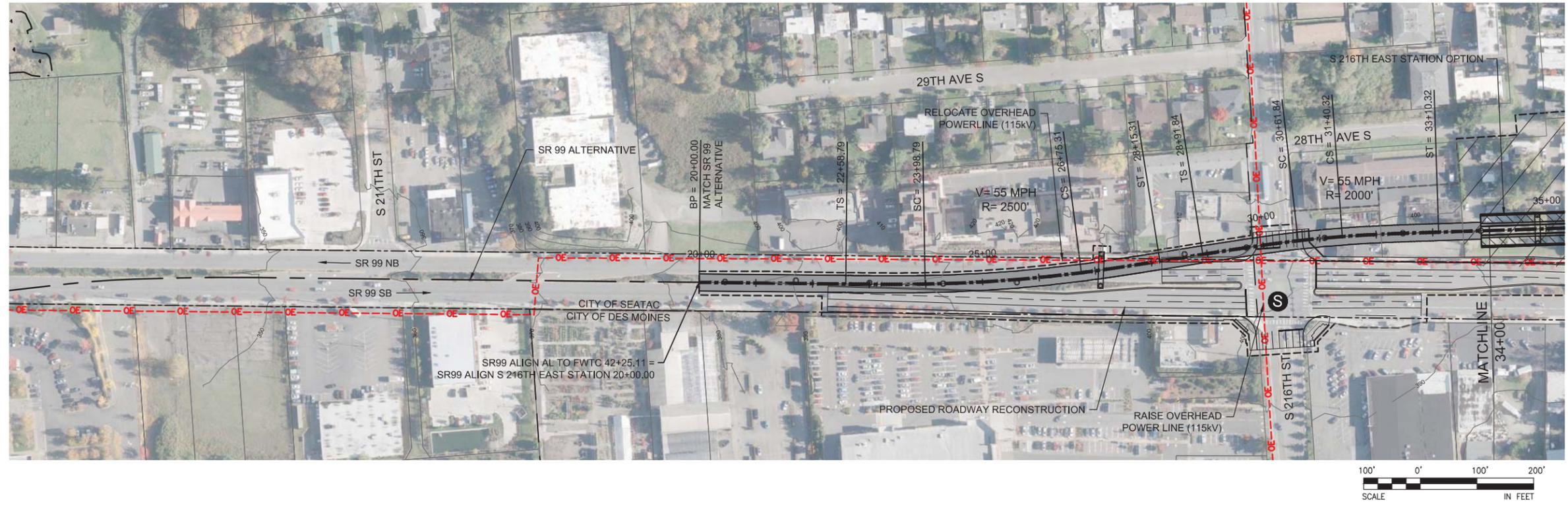
FINAL EIS - CONCEPTUAL DESIGN
 S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 SHEET INDEX KEYMAP

AUGUST 2016

SR99-C00-GX02
 92

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SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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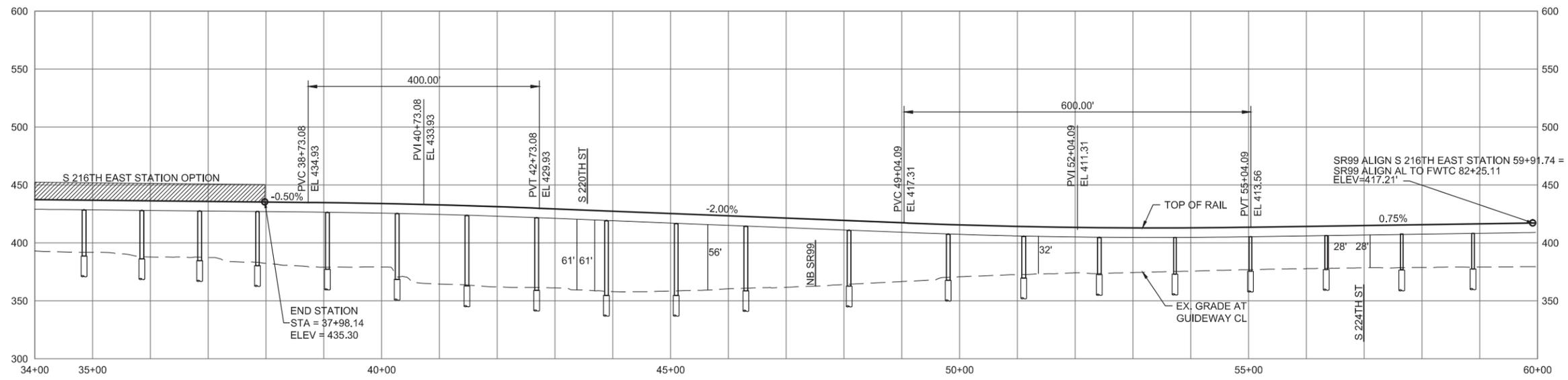
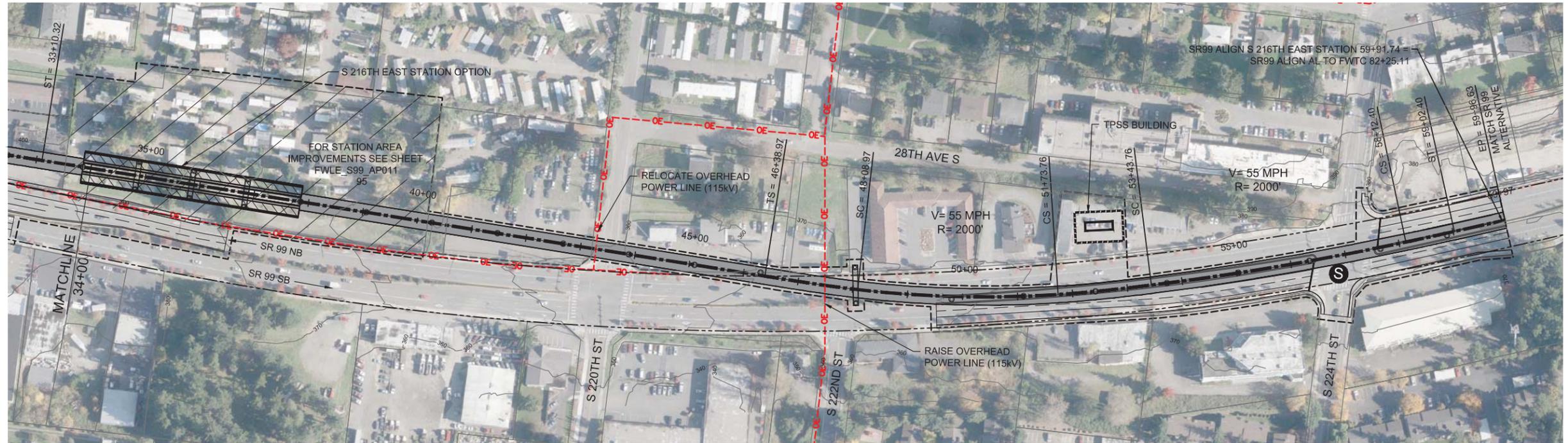


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 20+00 TO STA 34+00

AUGUST 2016

SR99-C1-PP02
93

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



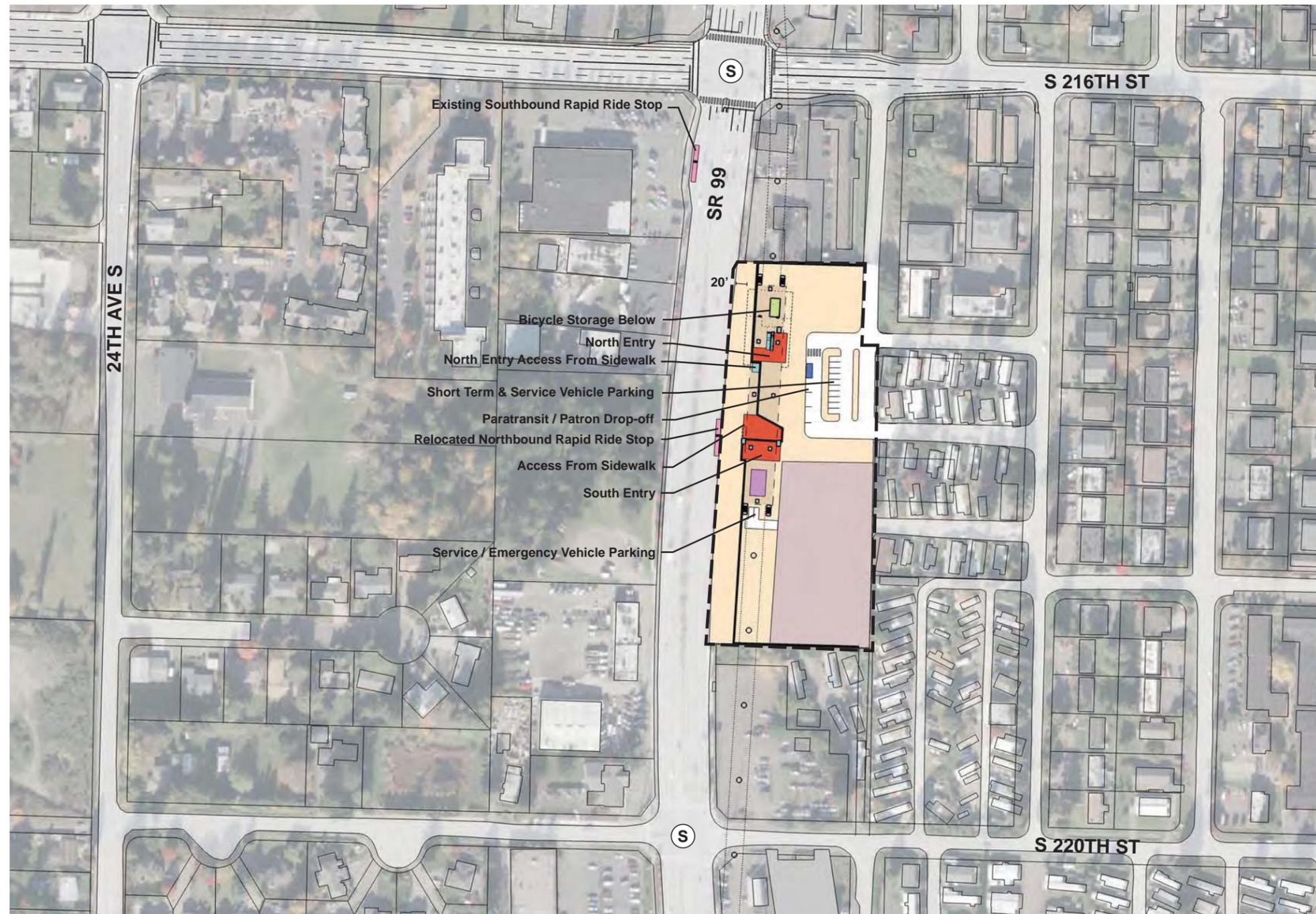
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 34+00 TO STA 59+91.74

AUGUST 2016
 SR99-C2-PP03
 94

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

S 216th East Station Option	
Alternative(s)	SR 99; SR 99 to I-5
Boardings	1,000
Station Configuration	
Terminus / In-Line	In-Line
Station Type	Side Platform - Elevated
Platform Width	14'
Tail track	N/A
Crossover	TBD
TPSS	No
Program	
KC Metro Ancillary Spaces (SF)	N/A
ST Ancillary Spaces (SF)	1,200
Total Ancillary Spaces (SF)	1,200
Vertical Circulation	
# of entrances	2
# of escalators	3
# of staircases (patron)	3
# of elevators	5
# of emergency stairs	4
Bus/ Paratransit Facilities	
Bus bays (KCM)	1 bay southbound at SR 99, two 60' coaches; 1 bay westbound at S 216th, two 60' coaches
Bus bays (ST)	N/A
Rapid Ride	On-street at SR 99
Bus layover (KCM)	N/A
Bus layover (ST)	N/A
Paratransit	1 space
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	2 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	N/A
Service/emerg. vehicle park.	2 spaces, combined
Signal bungalow / TPSS park.	N/A
Patron parking	N/A

- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING
- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)



FINAL EIS - CONCEPTUAL DESIGN
 S 216TH EAST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SITE PLAN

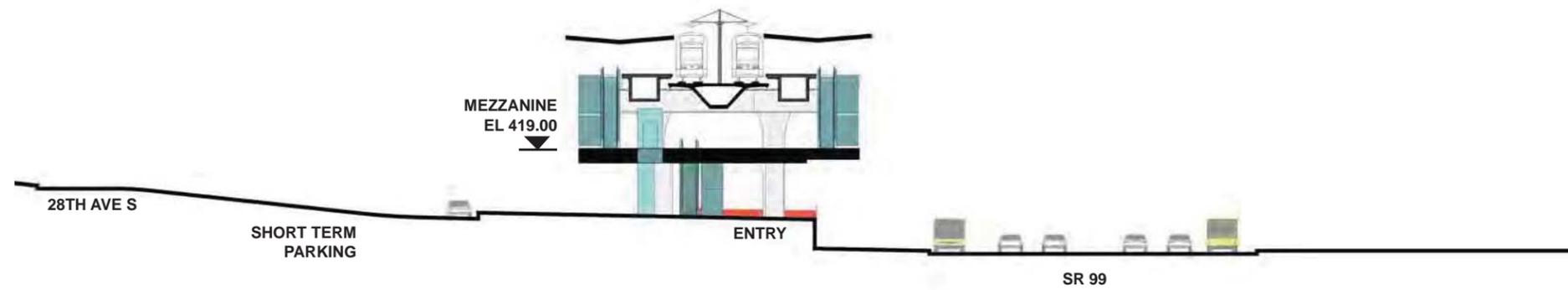
AUGUST 2016

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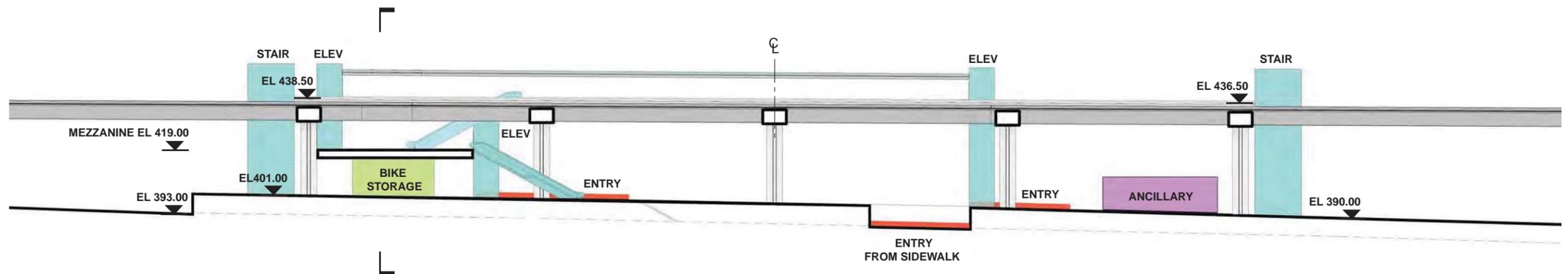
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION

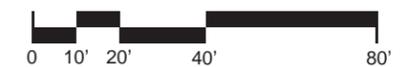


SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | |
|------------------------|------------------------|
| STATION PLAZA | BUS LAYOVER |
| VERTICAL CIRCULATION | BUS PICK-UP / DROP OFF |
| TICKETING / ENTRY HALL | PARATRANSIT |
| PLATFORM | BICYCLE STORAGE |
| ANCILLARY SPACES | CONSTRUCTION STAGING |
| TPSS | |



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FINAL EIS - CONCEPTUAL DESIGN
 S 216TH EAST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SECTION

AUGUST 2016

FWLE_S99_AX011
 96

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

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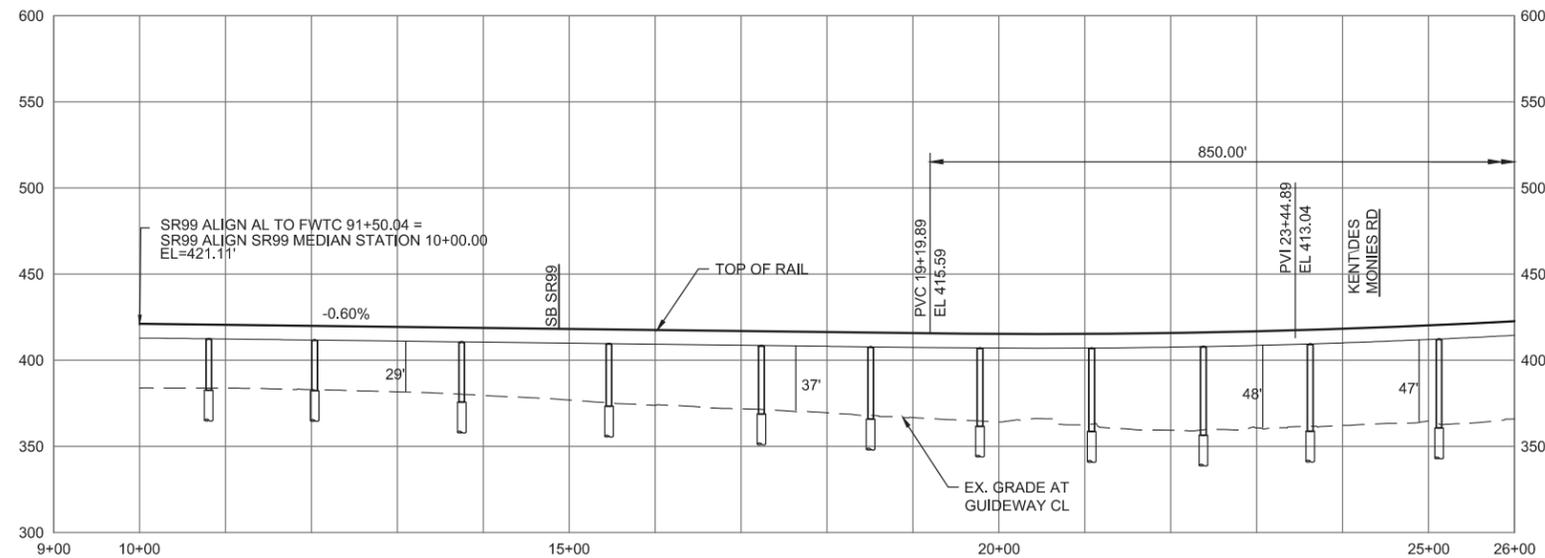
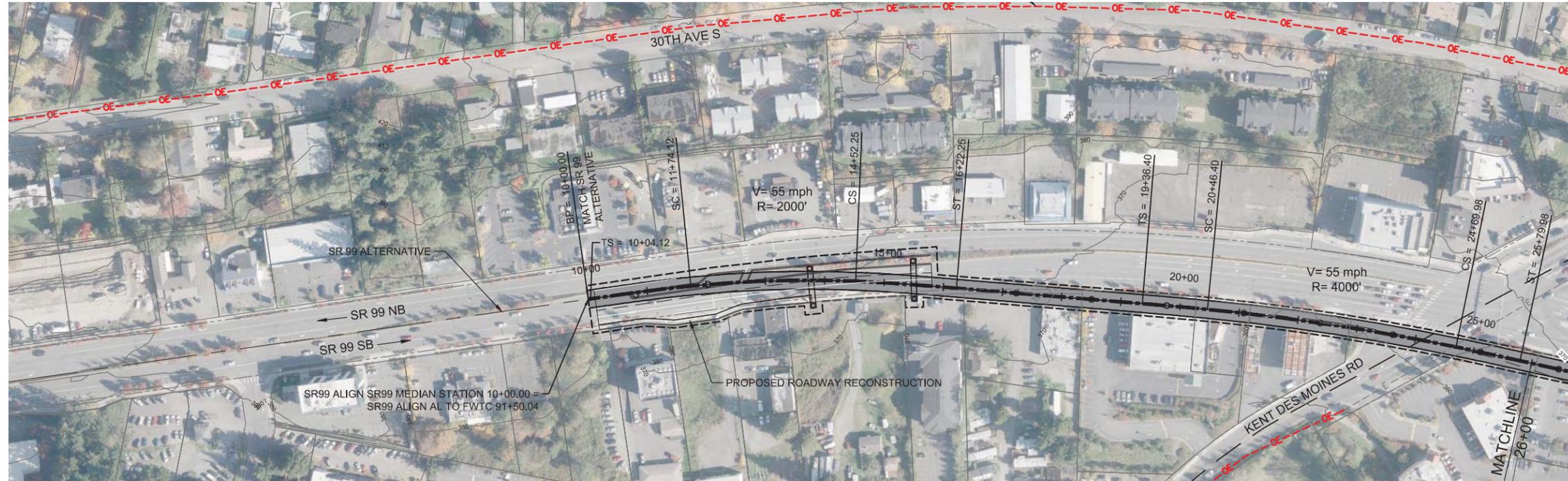


FINAL EIS - CONCEPTUAL DESIGN
 KENT / DES MOINES SR 99 MEDIAN STATION OPTION
 SHEET INDEX KEYMAP

AUGUST 2016

SR99-D00-GX02
 97

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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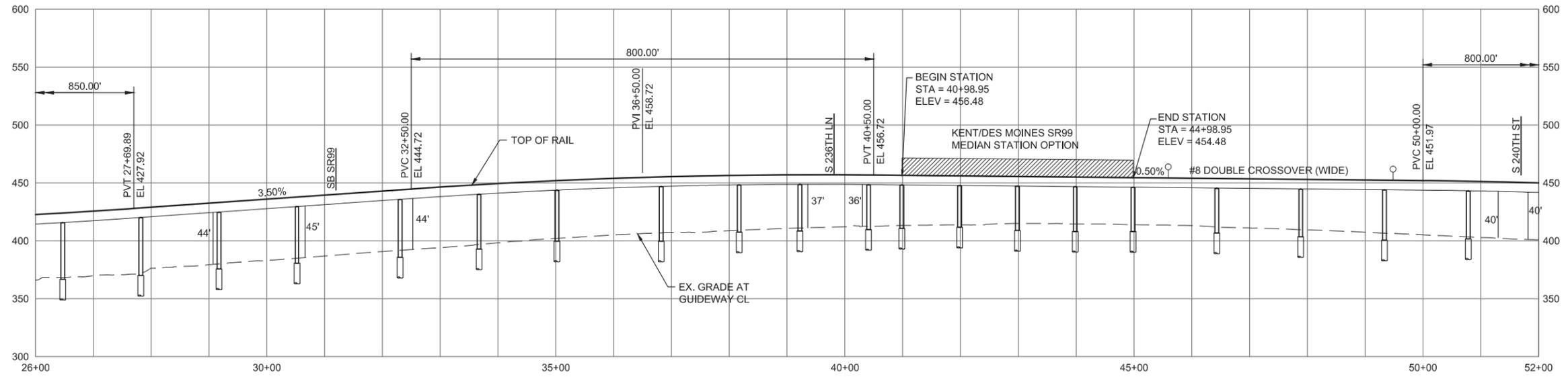
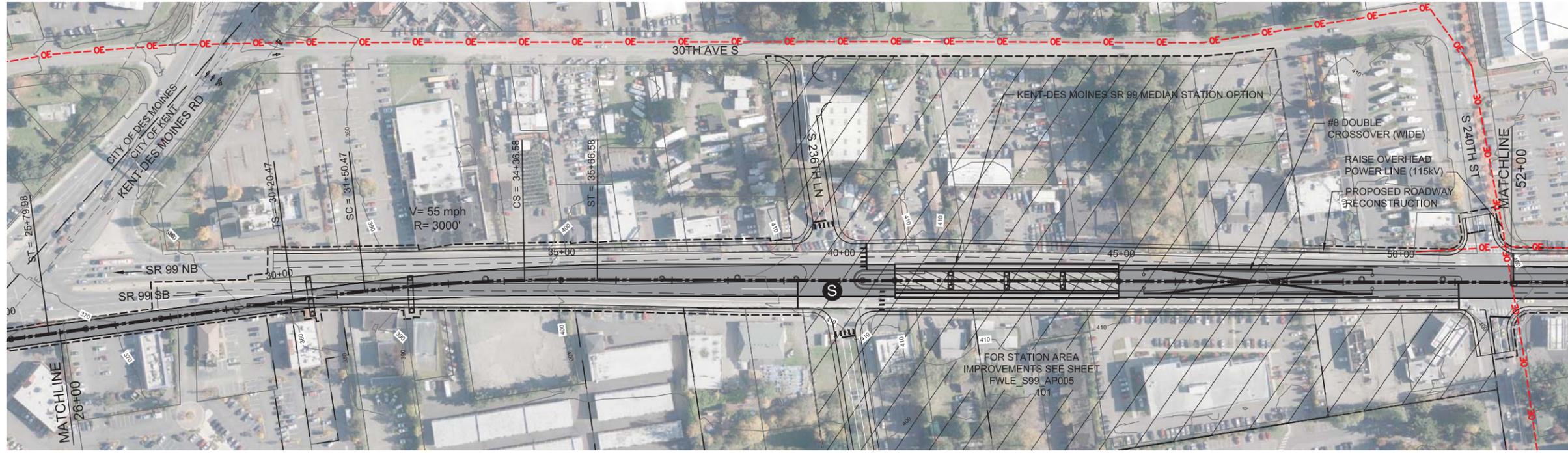


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 KENT/DES MOINES SR 99 MEDIAN STATION OPTION
 STA 10+00 TO STA 26+00

AUGUST 2016

SR99-D1-PP04
 98

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



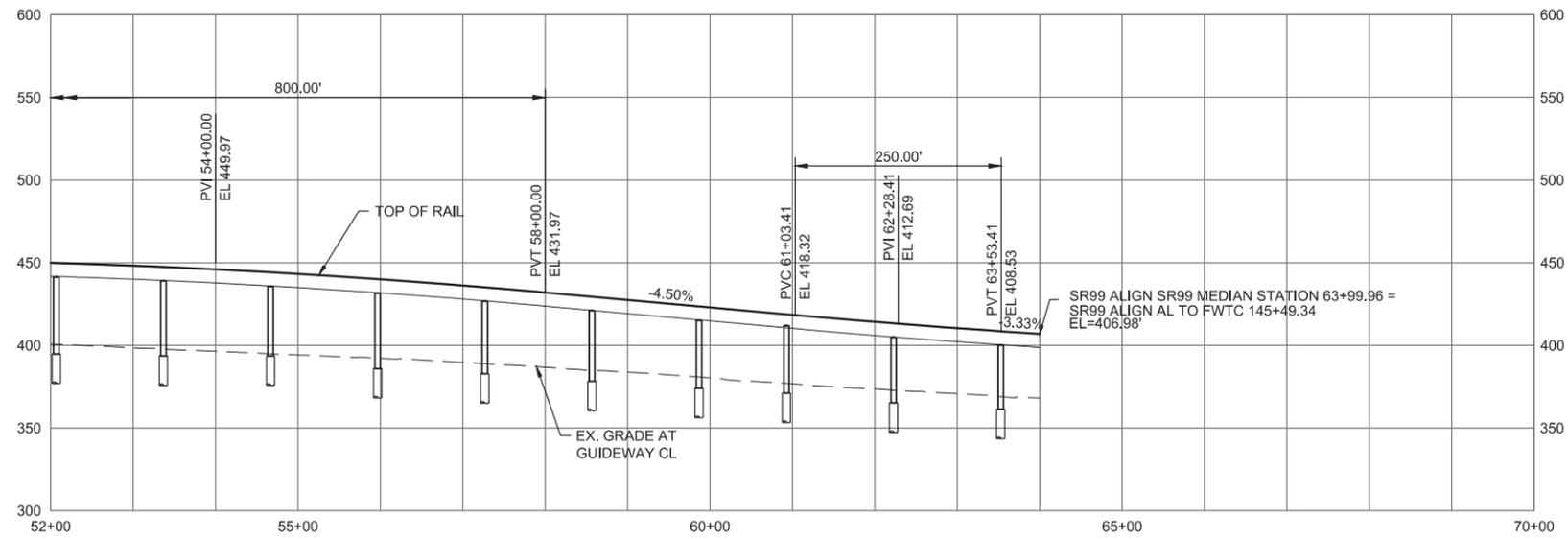
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 KENT/DES MOINES SR 99 MEDIAN STATION OPTION
 STA 26+00 TO STA 52+00

AUGUST 2016
 SR99-D2-PP05
 99

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 KENT/DES MOINES SR 99 MEDIAN STATION OPTION
 STA 52+00 TO STA 63+99.96

AUGUST 2016

SR99-D3-PP06
100

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

Kent/Des Moines SR 99 Median Station Option	
Alternative(s):	SR 99
Boardings	3,000
Boardings (with 216th Station)	2,500
Boardings (interim terminus)	4,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	4
# of staircases (patron)	4
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	1 bay, two 60' coaches
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, two 60' coaches each
Bus layover (ST)	1 bay, two 60' coaches
Paratransit	1 permanent, 1 interim
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term parking	7 to 10 spaces
Staff parking	4 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Long-term patron parking	500 spaces (structure)
Temporary patron parking*	500 spaces (surface)
Total proposed patron parking*	1000 Spaces

*Only required for interim terminus condition

- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING / PARKING

- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)

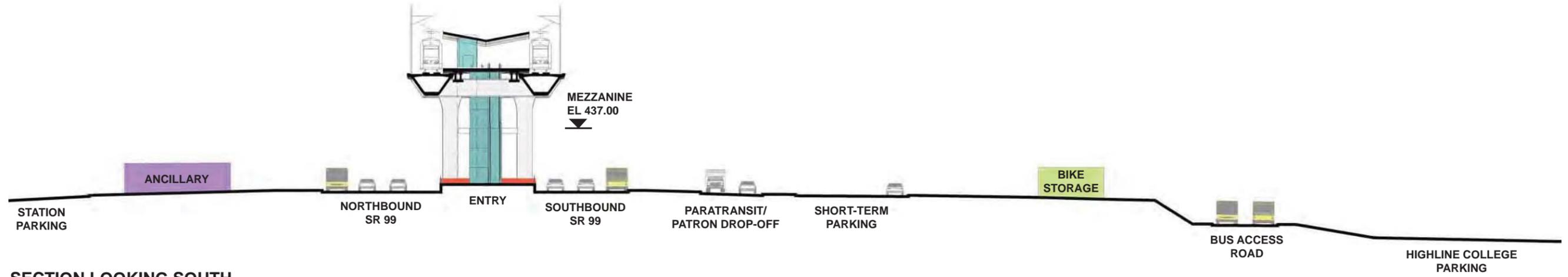


FNAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES SR 99 MEDIAN STATION OPTION
 SITE PLAN

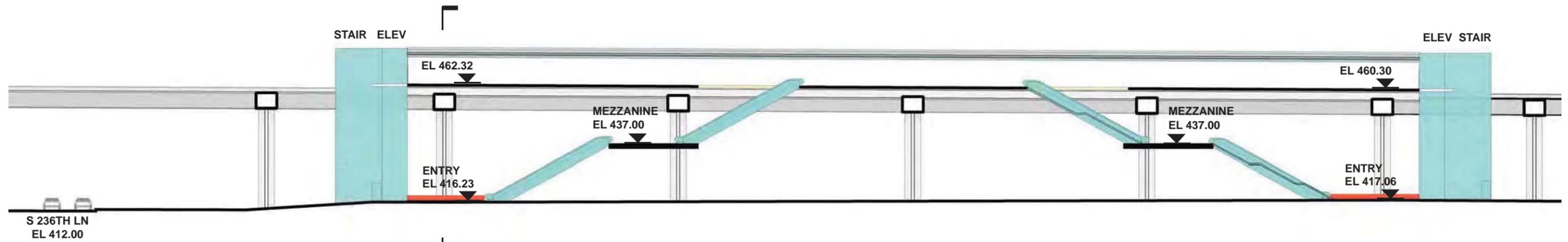
AUGUST 2016

FWLE_S99_AP005
 101

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | |
|------------------------|--------------------------------|
| STATION PLAZA | BUS LAYOVER |
| VERTICAL CIRCULATION | BUS PICK-UP / DROP OFF |
| TICKETING / ENTRY HALL | PARATRANSIT |
| PLATFORM | BICYCLE STORAGE |
| ANCILLARY SPACES | CONSTRUCTION STAGING / PARKING |
| TPSS | |



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FNAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES SR 99 MEDIAN STATION OPTION
 SECTIONS

AUGUST 2016

FWLE_S99_AX005
 102

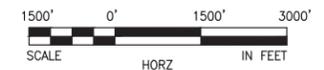
SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

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A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

I - NOT USED



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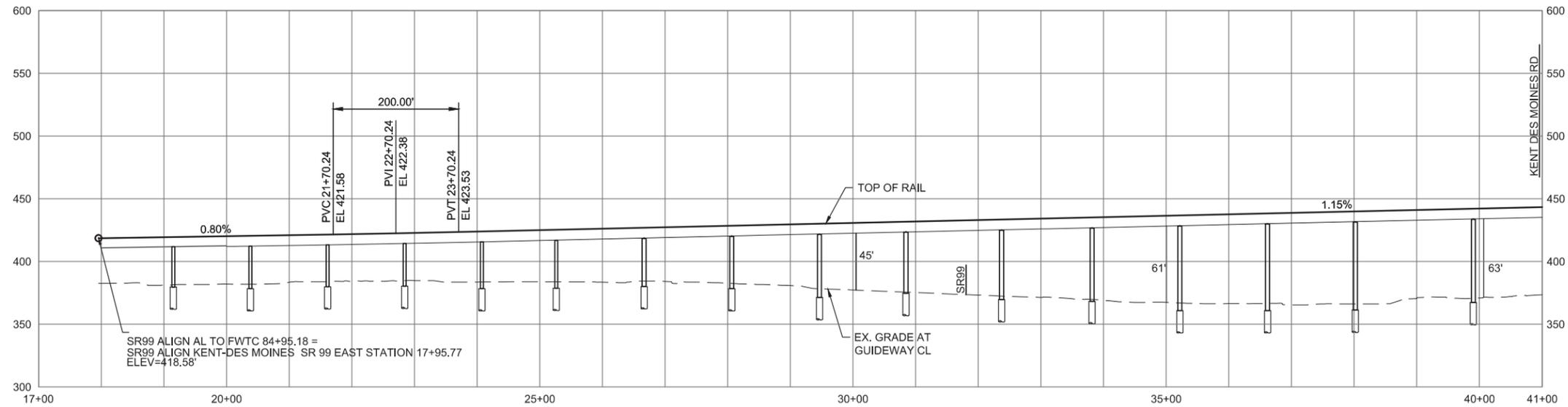


FINAL EIS - CONCEPTUAL DESIGN
 KENT / DES MOINES SR 99 EAST STATION OPTION
 SHEET INDEX KEYMAP

AUGUST 2016

SR99-E00-GX02
 103

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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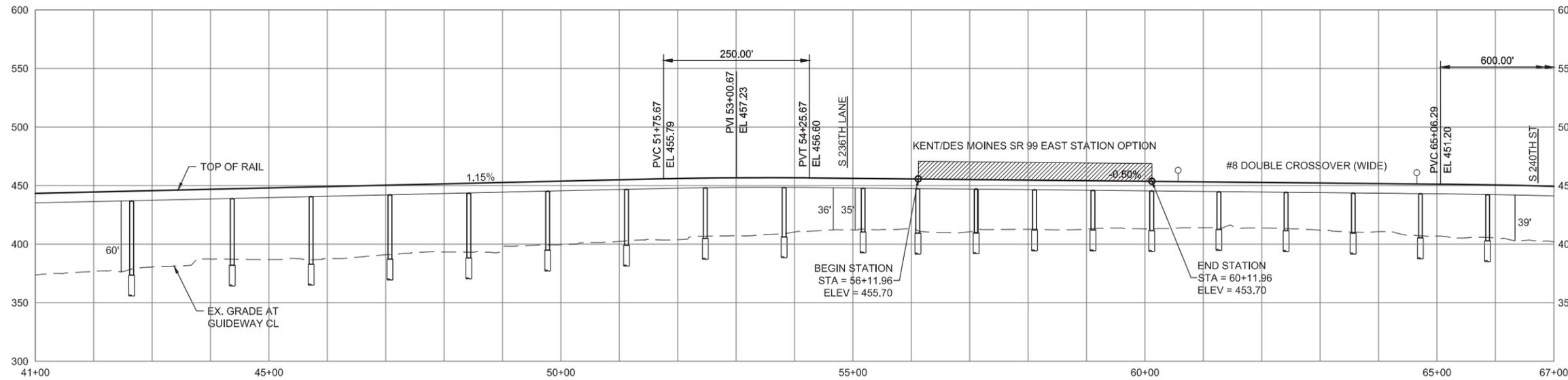
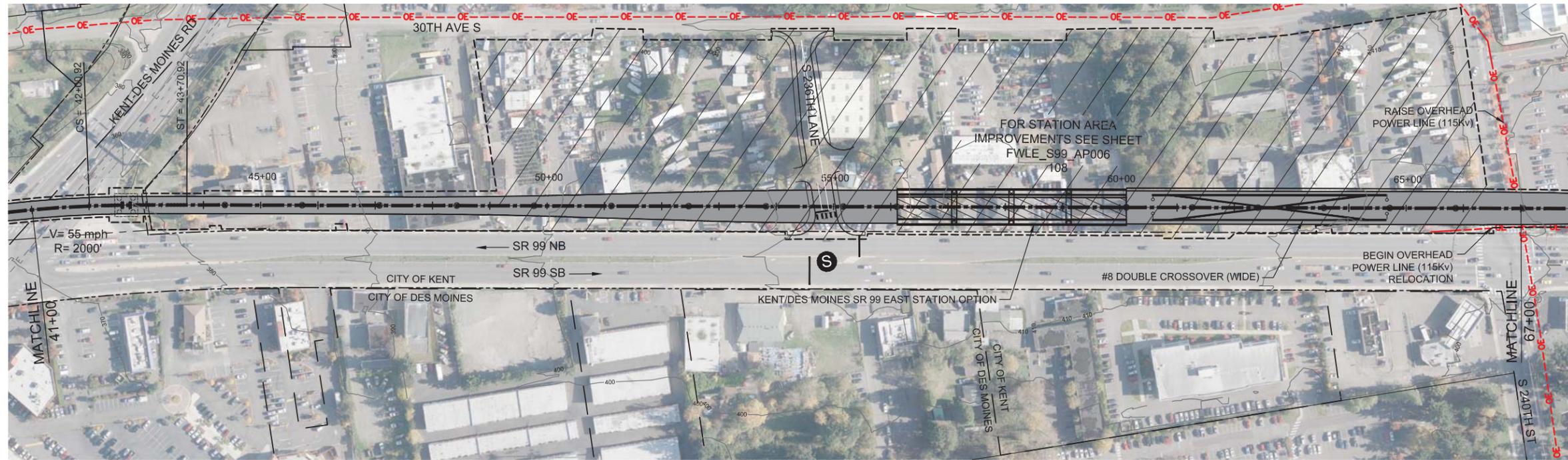


FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
KENT/DES MOINES SR 99 EAST STATION OPTION
STA 17+95.77 TO STA 41+00

AUGUST 2016

SR99-E1-PP04
104

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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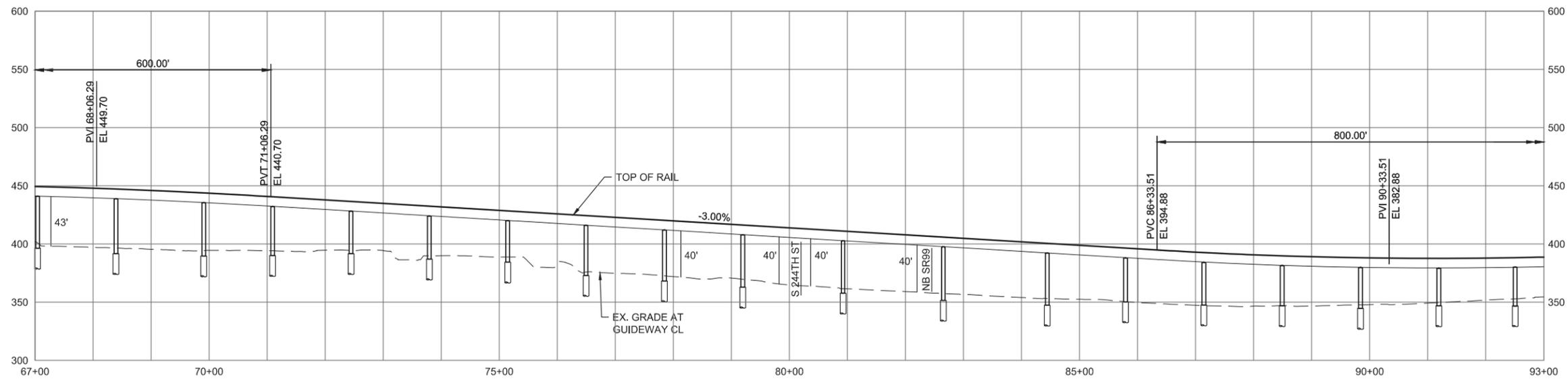
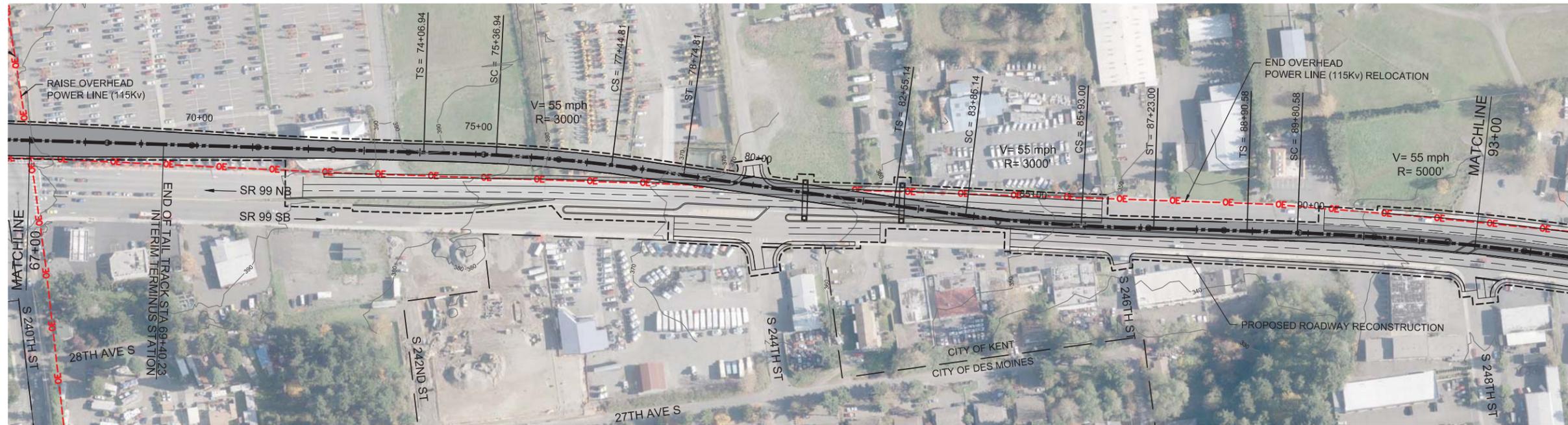


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KENT/DES MOINES SR 99 EAST STATION OPTION
 STA 41+00 TO STA 67+00

AUGUST 2016

SR99-E2-PP05
105

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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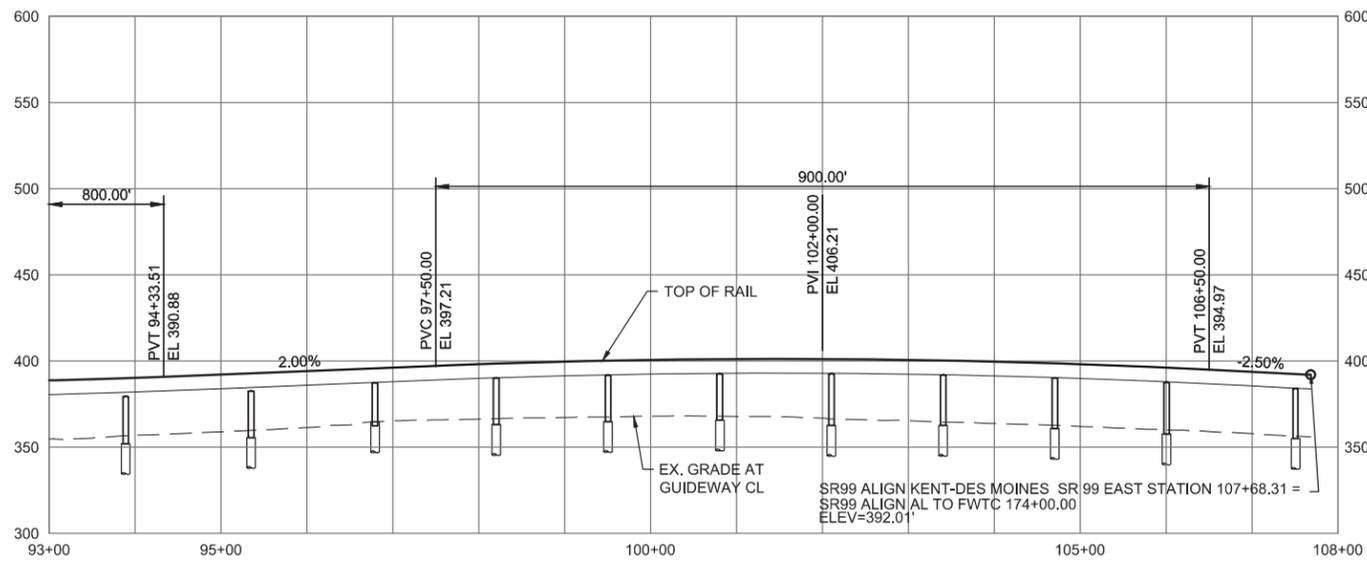
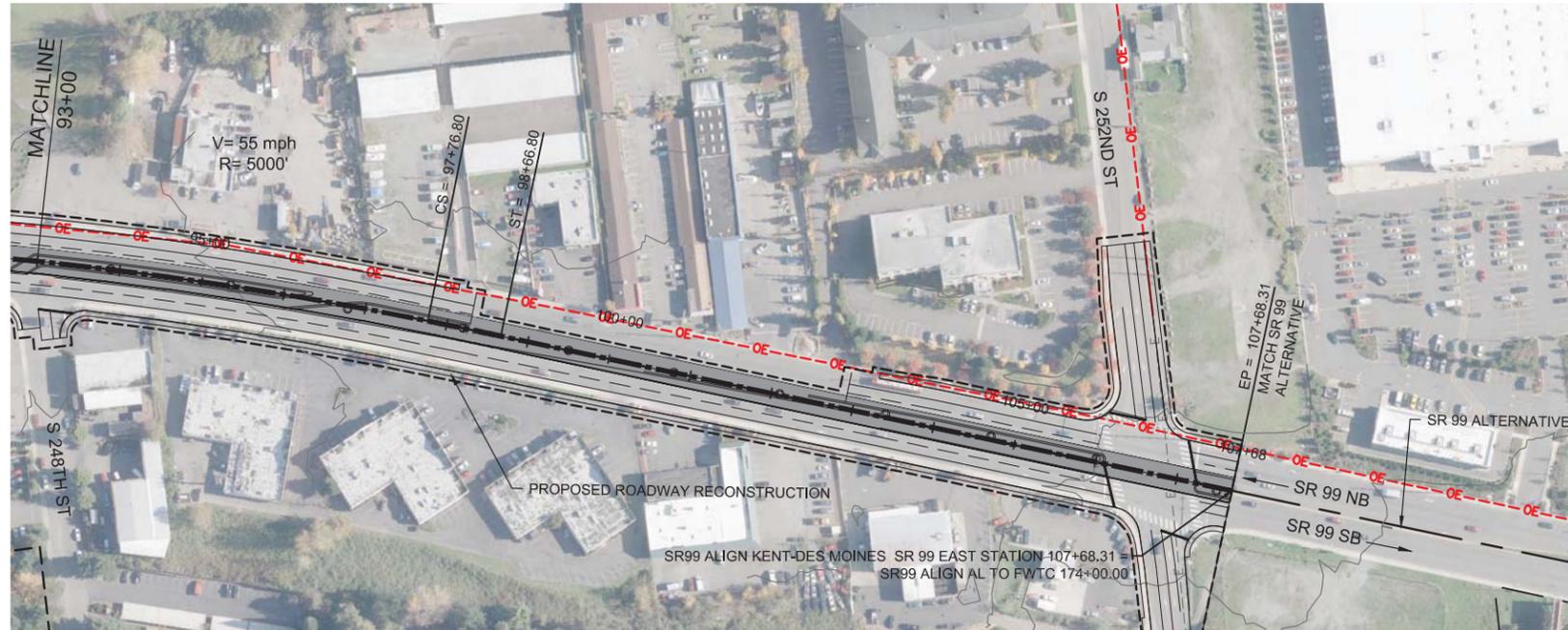


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KENT/DES MOINES SR 99 EAST STATION OPTION
 STA 67+00 TO STA 93+00

AUGUST 2016

SR99-E3-PP06
106

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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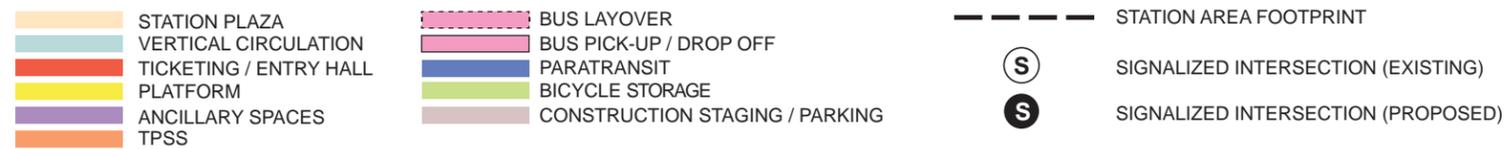
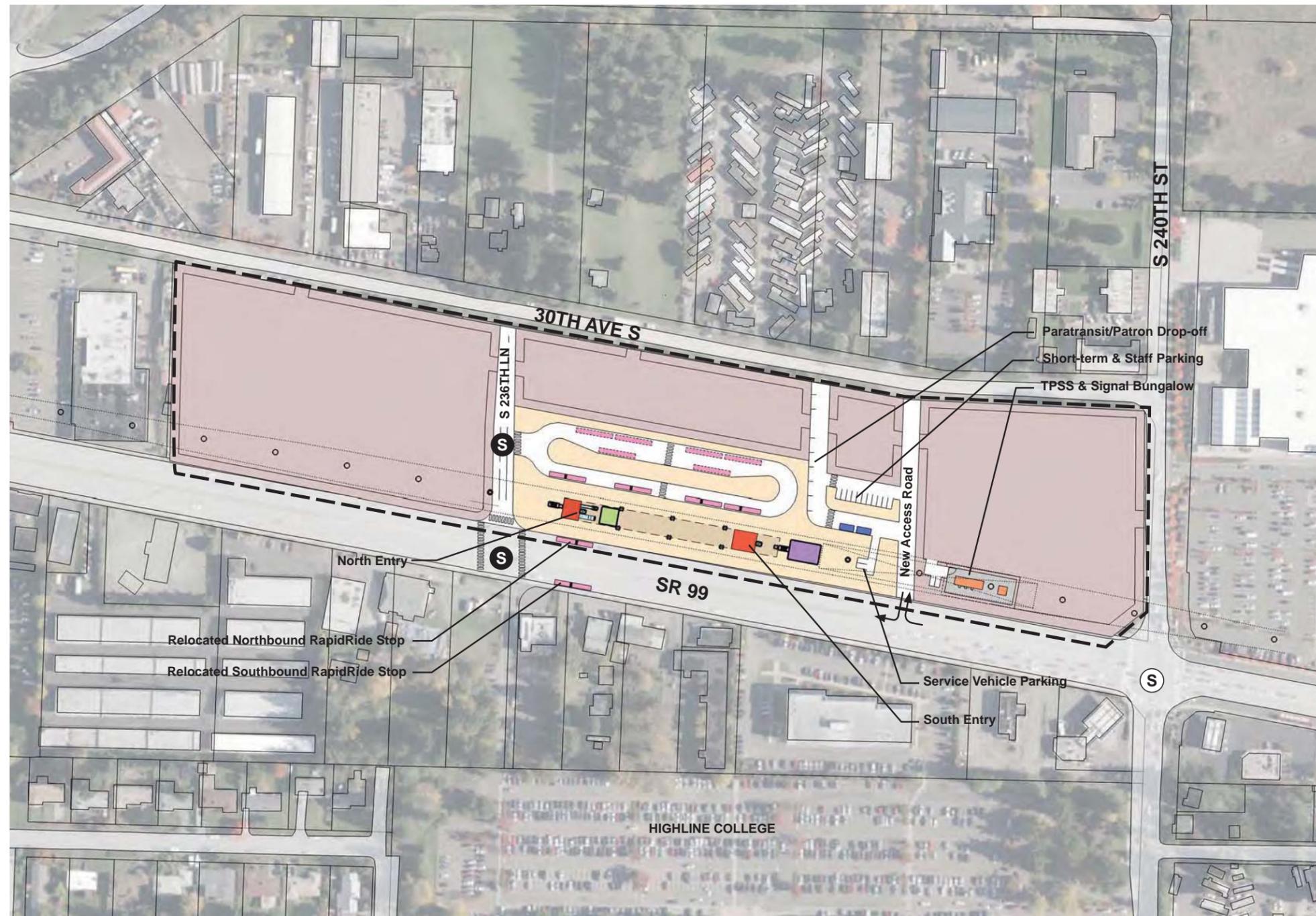


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KENT/DES MOINES SR 99 EAST STATION OPTION
 STA 93+00 TO STA 107+68.31

AUGUST 2016

SR99-E4-PP07
 107

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

Kent/Des Moines SR 99 East Station Option	
Alternative(s):	SR 99; I-5
Boardings	3,000
Boardings (with 216th Station)	2,500
Boardings (interim terminus)	4,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	2
# of staircases (patron)	2
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	1 bay, two 60' coaches
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, two 60' coaches each
Bus layover (ST)	1 bay, two 60' coaches
Paratransit spaces	1 permanent, 1 interim
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Long-term patron parking	500 spaces (structure)
Temporary patron parking*	500 spaces (surface)
Total proposed patron parking*	1000 spaces

*Only required for interim terminus condition



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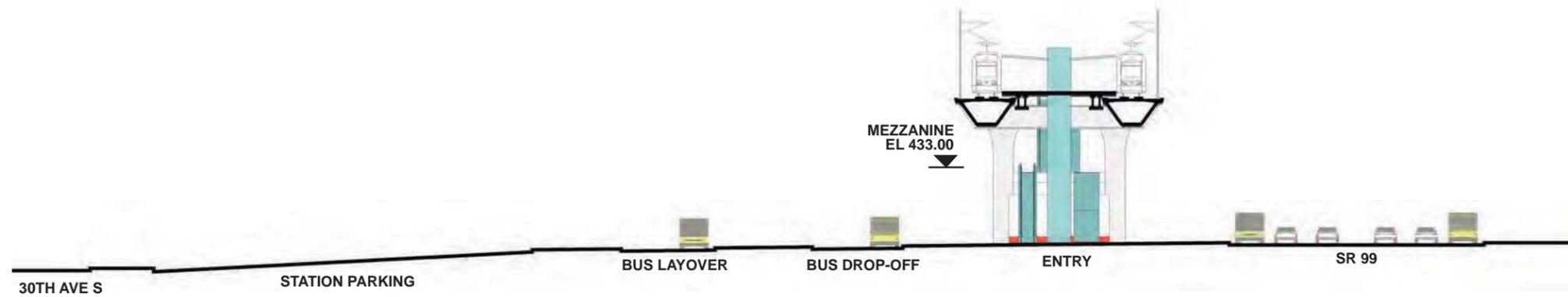


FINAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES SR 99 EAST STATION OPTION
 STATION SITE PLAN

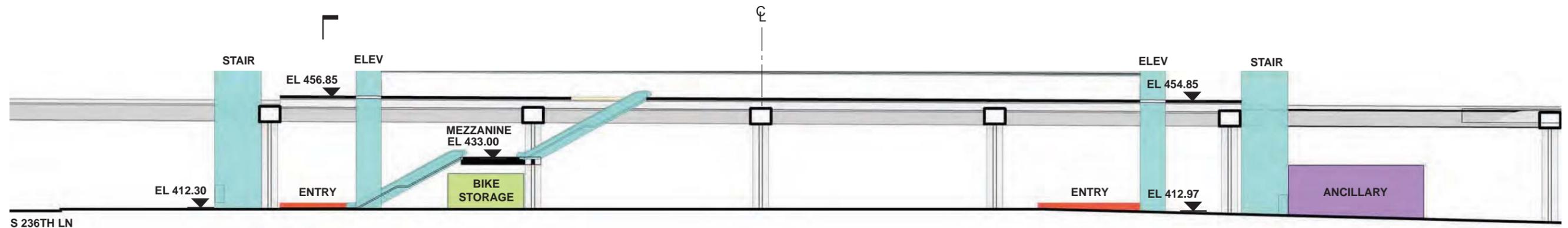
AUGUST 2016

FWLE_S99_AP006
 108

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

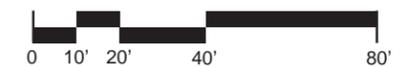


SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | | | |
|--|------------------------|--|--------------------------------|
| | STATION PLAZA | | BUS LAYOVER |
| | VERTICAL CIRCULATION | | BUS PICK-UP / DROP OFF |
| | TICKETING / ENTRY HALL | | PARATRANSIT |
| | PLATFORM | | BICYCLE STORAGE |
| | ANCILLARY SPACES | | CONSTRUCTION STAGING / PARKING |
| | TPSS | | |



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FINAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES SR 99 EAST STATION OPTION
 SECTIONS

AUGUST 2016

FWLE_S99_AX006
 109

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

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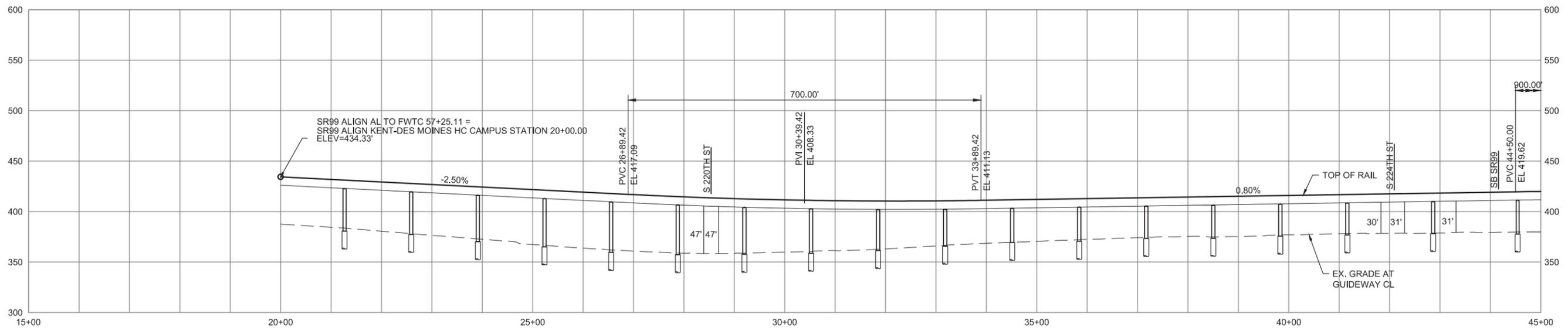
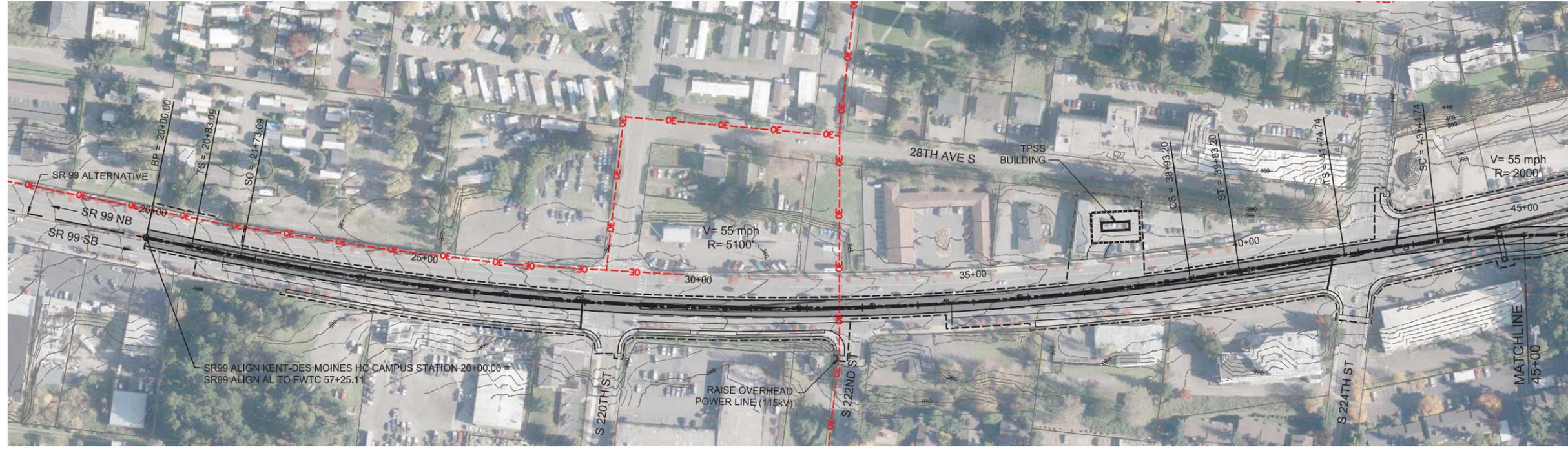


FINAL EIS - CONCEPTUAL DESIGN
 KENT / DES MOINES HC CAMPUS STATION OPTION
 SHEET INDEX KEYMAP

AUGUST 2016

SR99-F00-GX02
 110

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



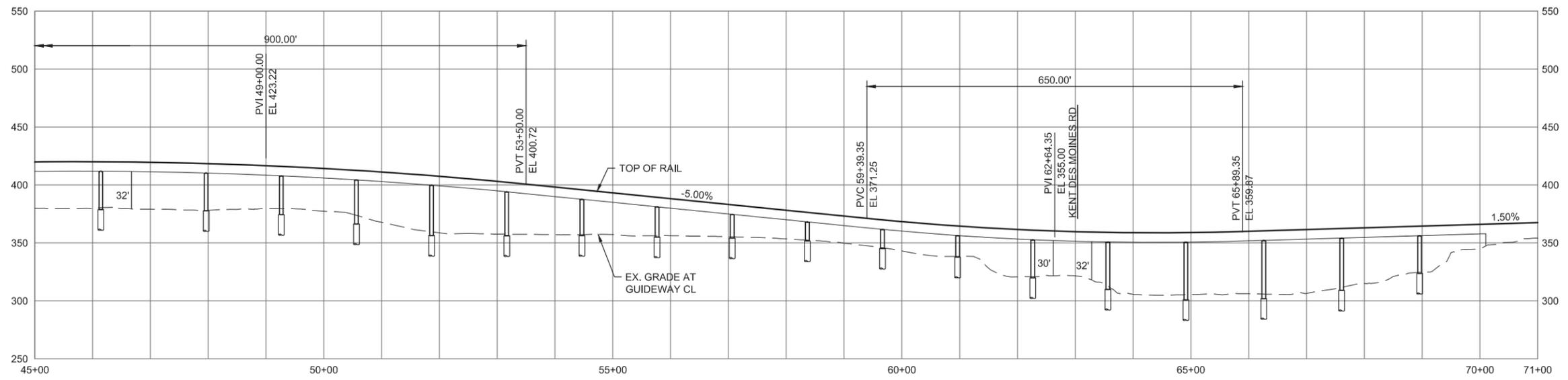
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KENT/DES MOINES HC CAMPUS STATION OPTION
 STA 20+00 TO STA 45+00

AUGUST 2016
 SR99-F1-PP03
 111

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



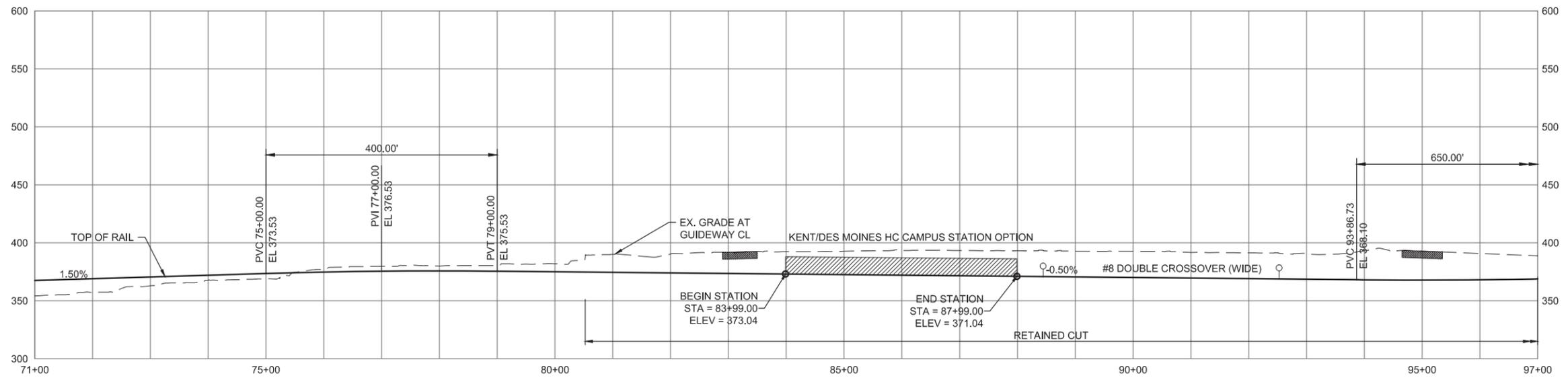
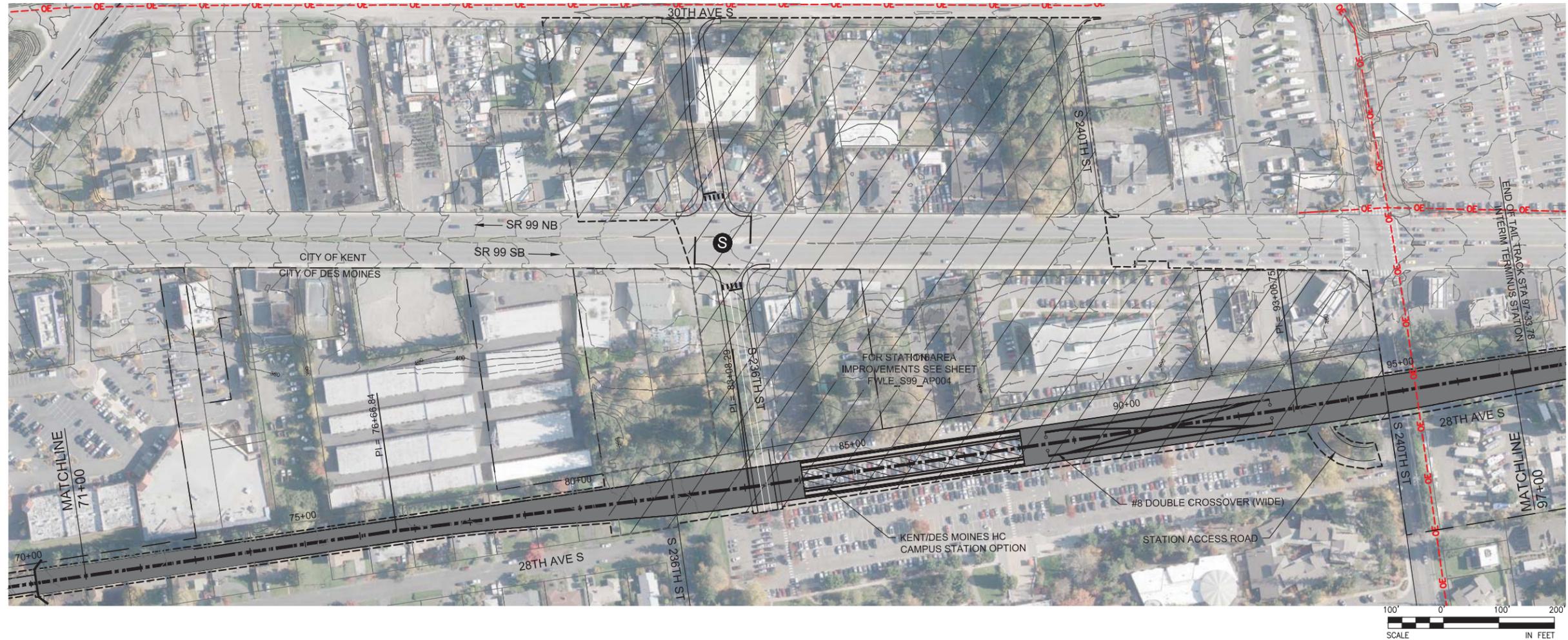
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FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
KENT/DES MOINES HC CAMPUS STATION OPTION
STA 45+00 TO STA 71+00

AUGUST 2016
SR99-F2-PP04
112

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



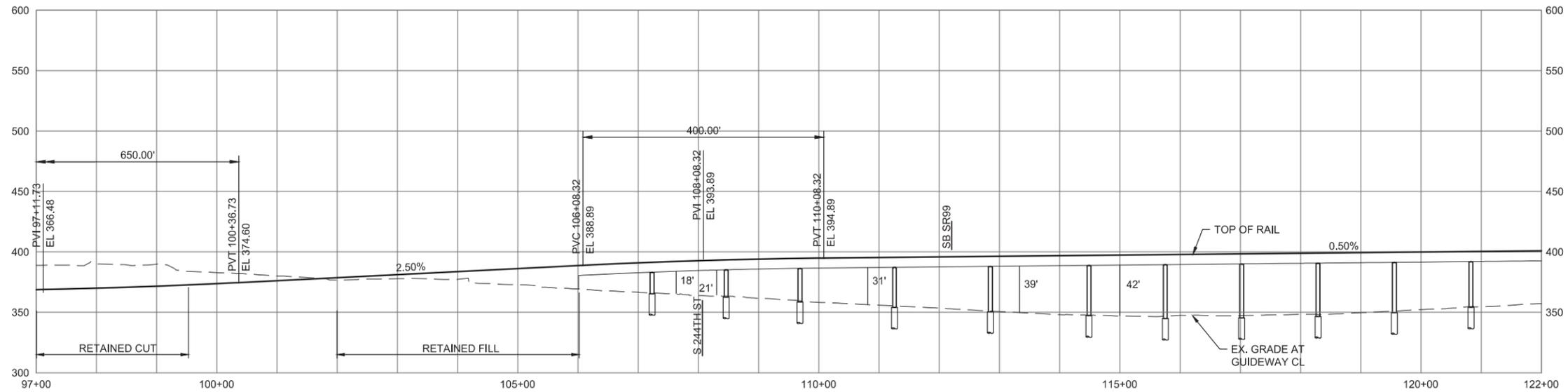
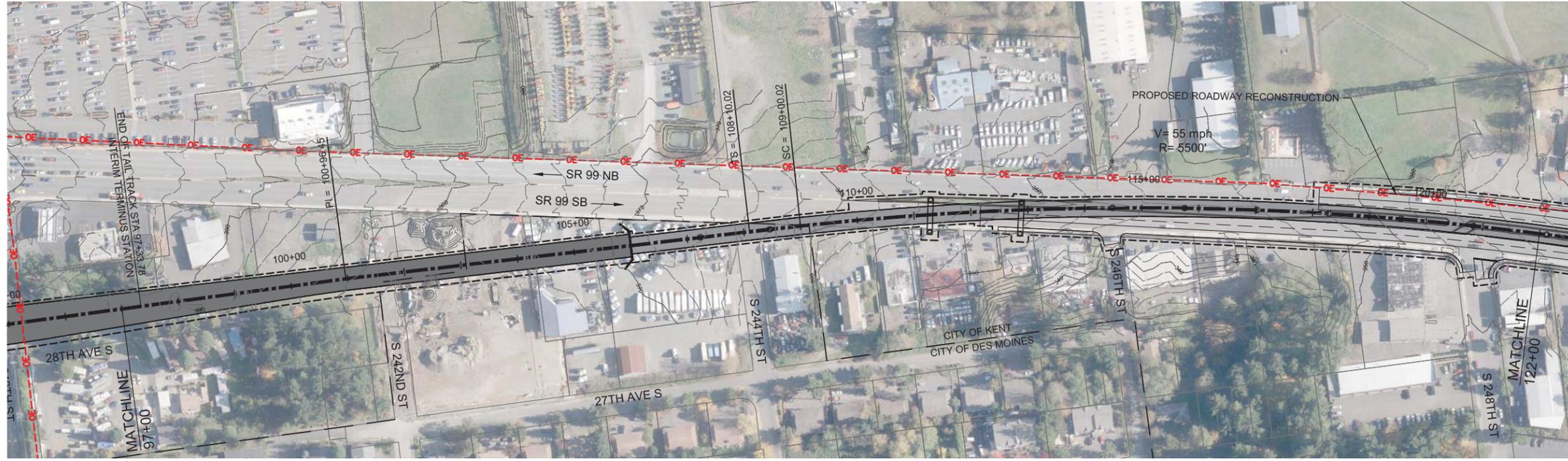
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KENT/DES MOINES HC CAMPUS STATION OPTION
 STA 71+00 TO STA 97+00

AUGUST 2016
 SR99-F3-PP05
 113

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



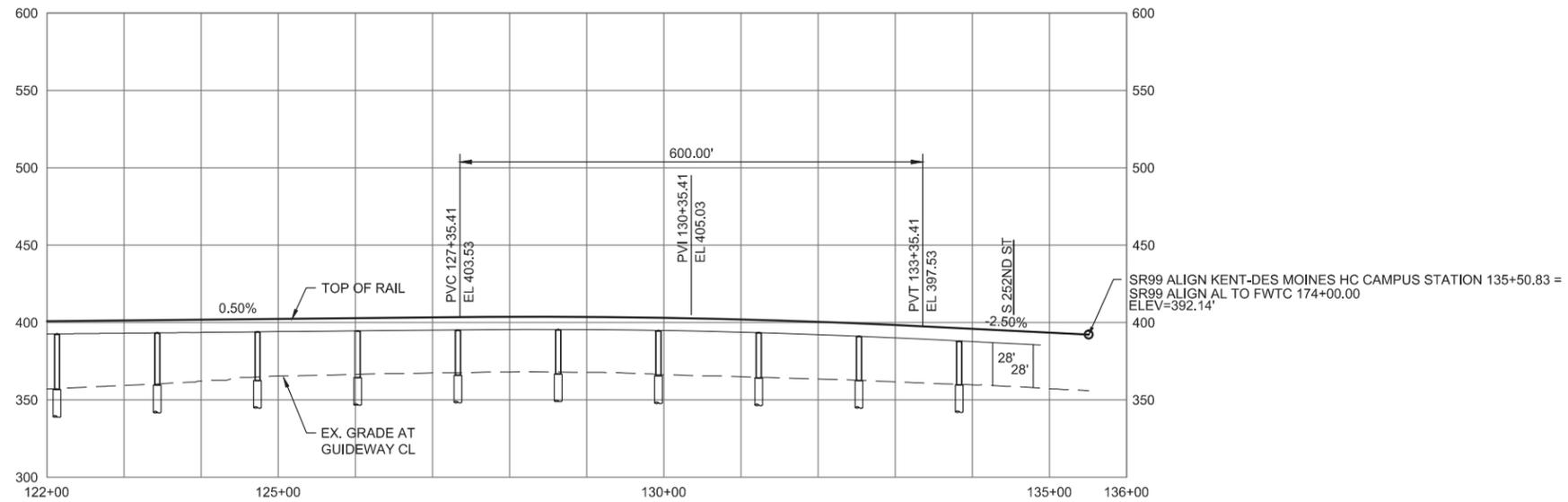
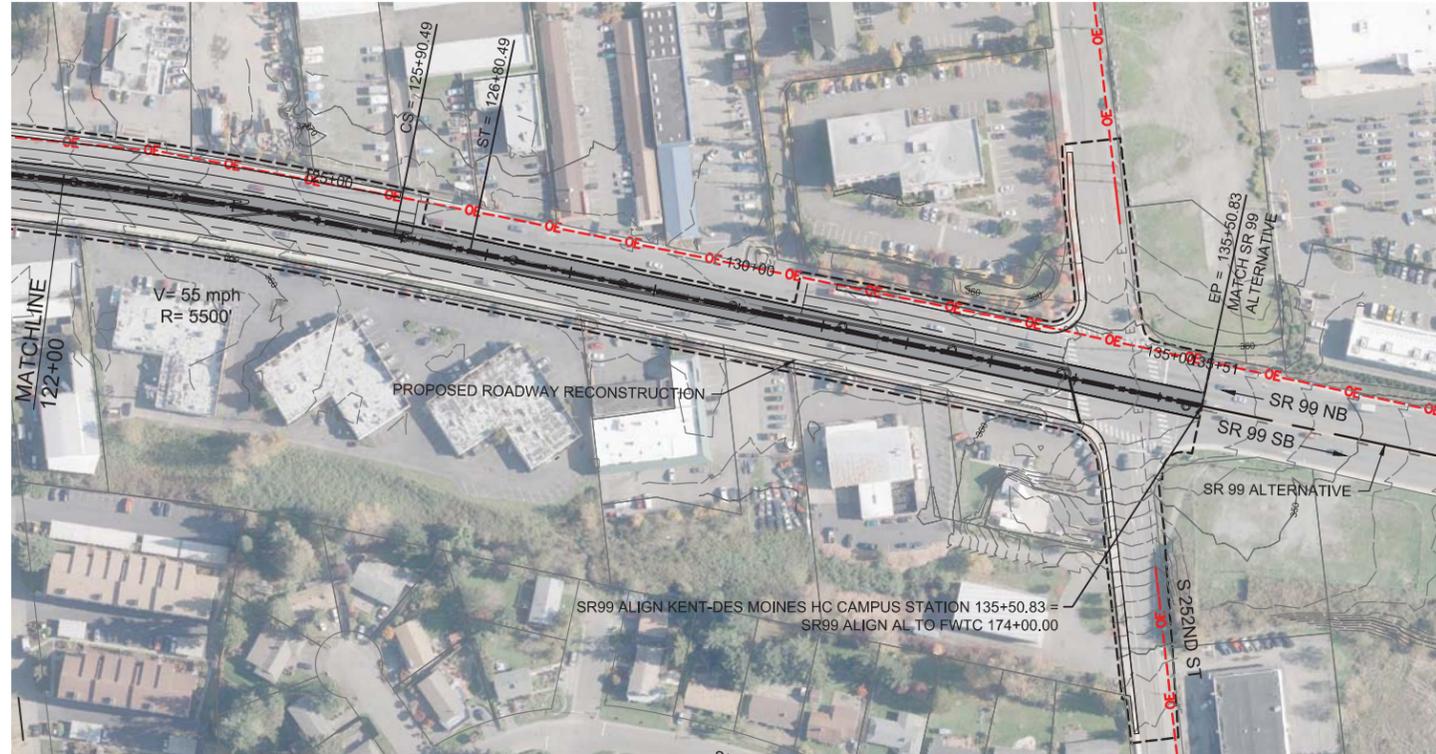
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KENT/DES MOINES HC CAMPUS STATION OPTION
 STA 97+00 TO STA 122+00

AUGUST 2016
 SR99-F4-PP06
 114

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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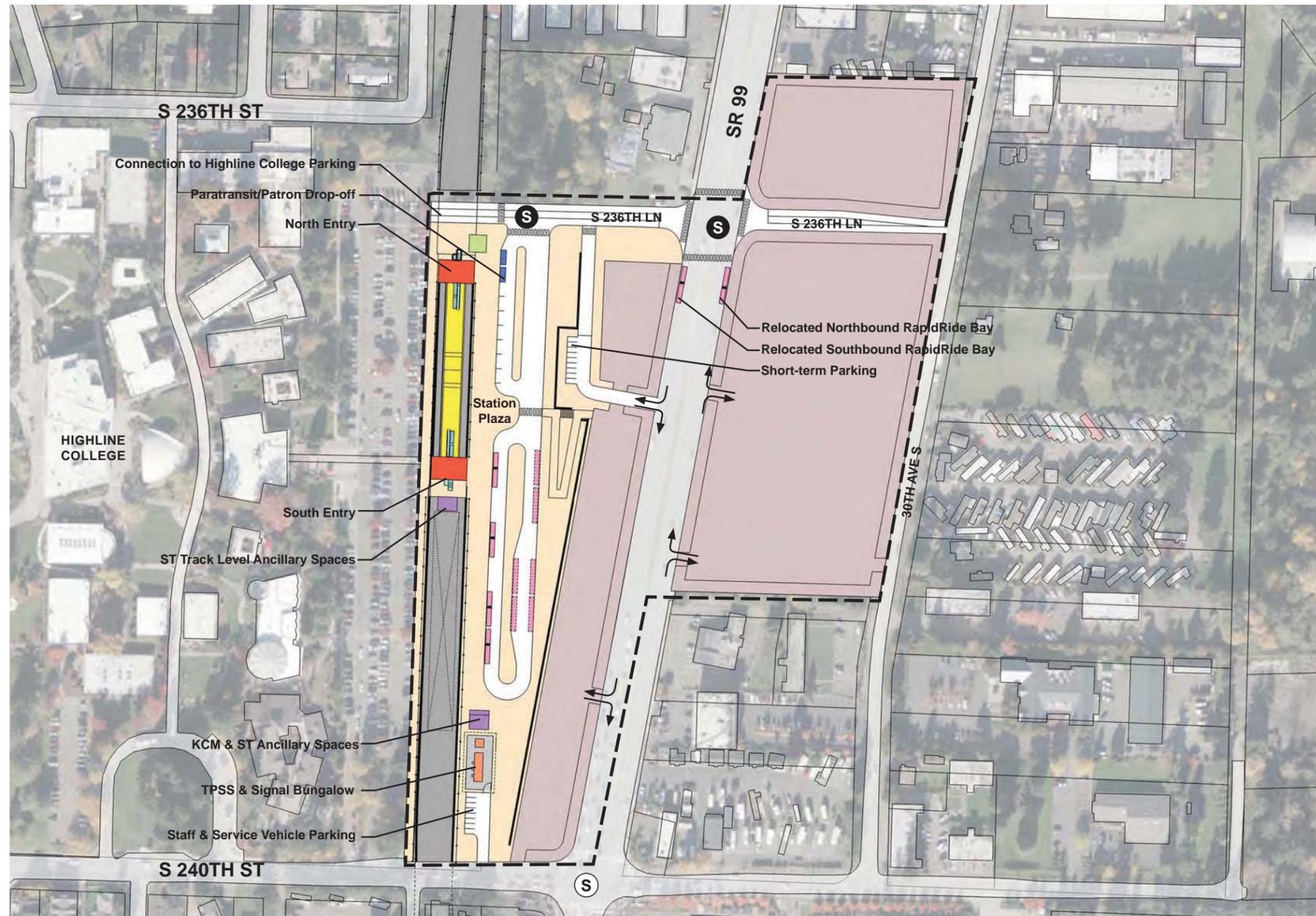


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KENT/DES MOINES HC CAMPUS STATION OPTION
 STA 122+00 TO STA 134+88.36

AUGUST 2016

SR99-F5-PP07
 115

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

Kent/Des Moines HC Campus Station Option	
Alternative(s):	SR 99
Boardings	3,000
Boardings (with 216th Station)	2,500
Boardings (interim terminus)	4,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Trench
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	2
# of staircases (patron)	2
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	1 bay, two 60' coaches
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, two 60' coaches each
Bus layover (ST)	1 bay, two 60' coaches
Paratransit	1 permanent, 1 interim
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Long-term patron parking	500 spaces (structure)
Temporary patron parking*	500 spaces (surface)
Total proposed patron parking*	1000 spaces
HC Replacement Parking	520 spaces

*Only required for interim terminus condition



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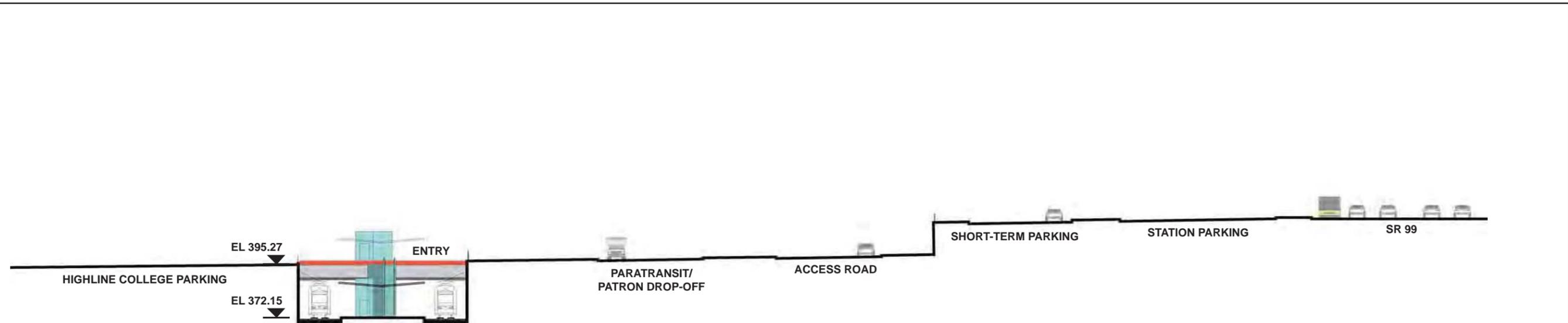


FINAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES HC CAMPUS STATION OPTION
 SITE PLAN

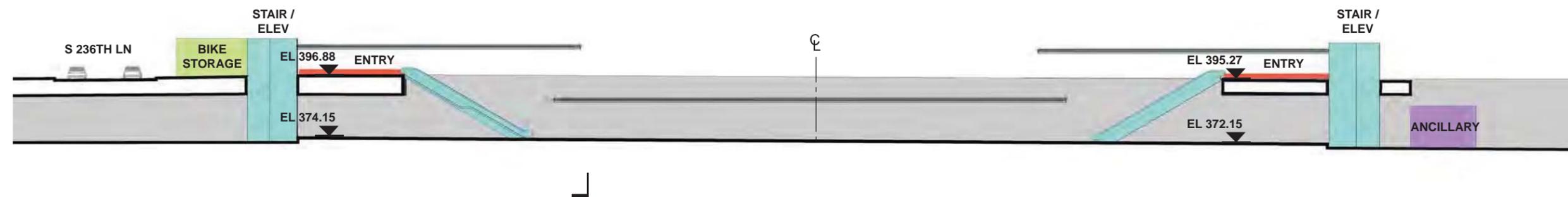
AUGUST 2016

FWLE_S99_AP004
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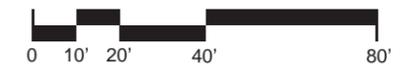


SECTION LOOKING NORTH



SECTION LOOKING EAST

- | | | | |
|--|------------------------|--|--------------------------------|
| | STATION PLAZA | | BUS LAYOVER |
| | VERTICAL CIRCULATION | | BUS PICK-UP / DROP OFF |
| | TICKETING / ENTRY HALL | | PARATRANSIT |
| | PLATFORM | | BICYCLE STORAGE |
| | ANCILLARY SPACES | | CONSTRUCTION STAGING / PARKING |
| | TPSS | | |



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FINAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES HC CAMPUS STATION OPTION
 SECTION

AUGUST 2016

FWLE_S99_AX004
 117

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

I - NOT USED



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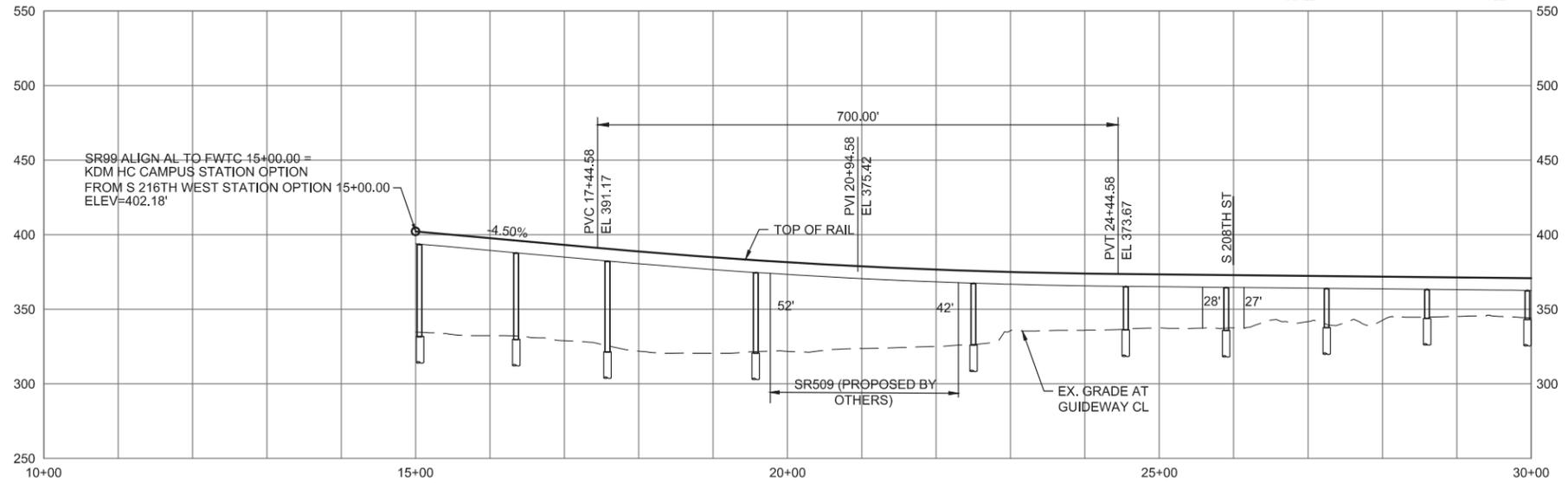
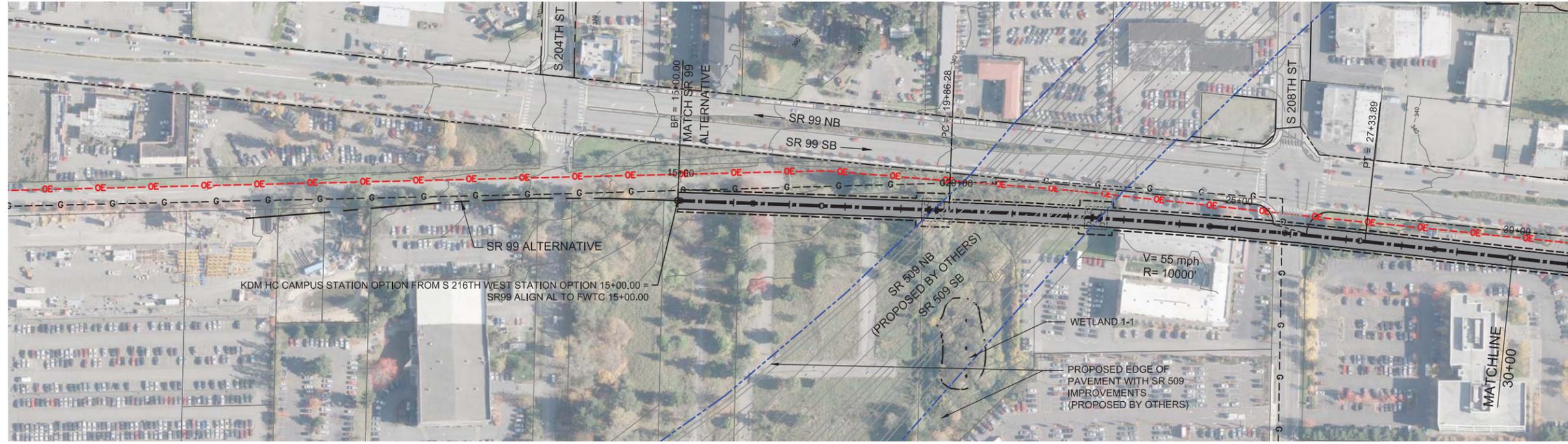
FINAL EIS - CONCEPTUAL DESIGN

KENT / DES MOINES HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
SHEET INDEX KEYMAP

AUGUST 2016

SR99-F00-GX02
118

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



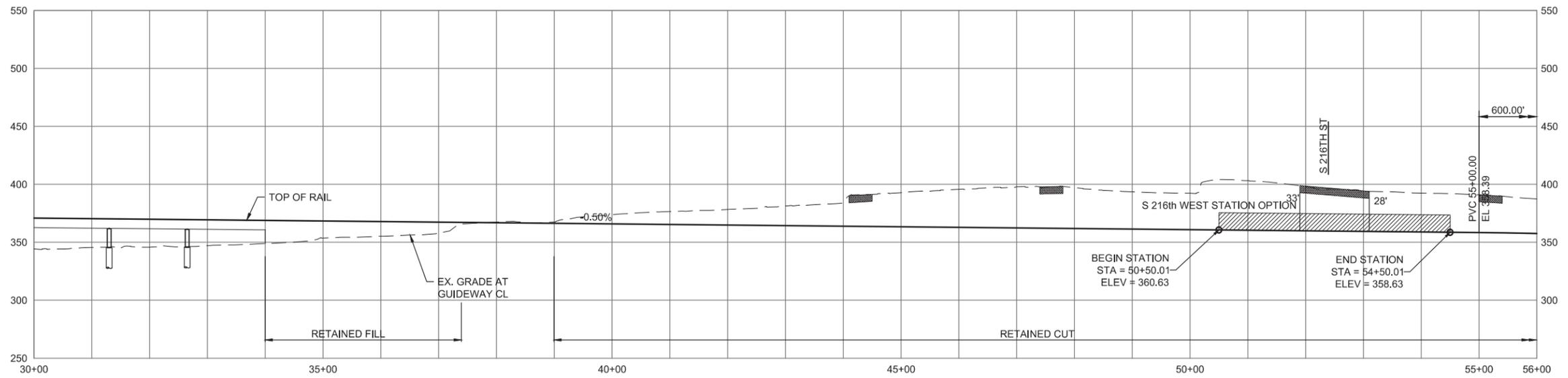
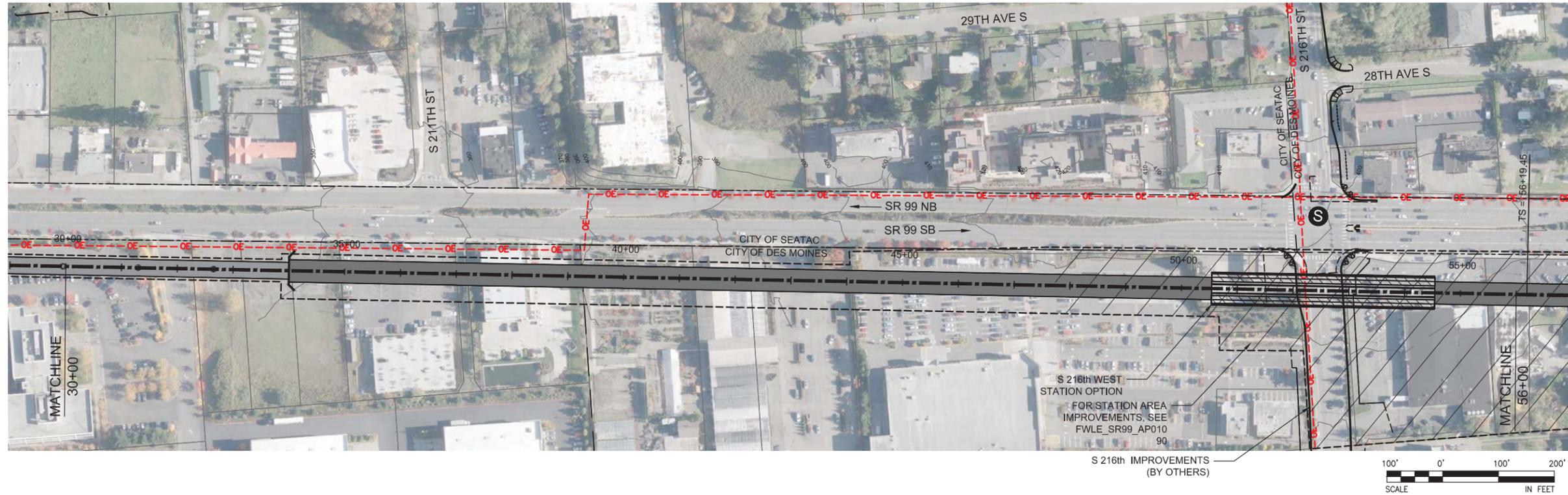
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FINAL EIS - CONCEPTUAL DESIGN
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 KDM HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
 STA 15+00 TO STA 30+00

AUGUST 2016
 SR99-F6-PP01
 119

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



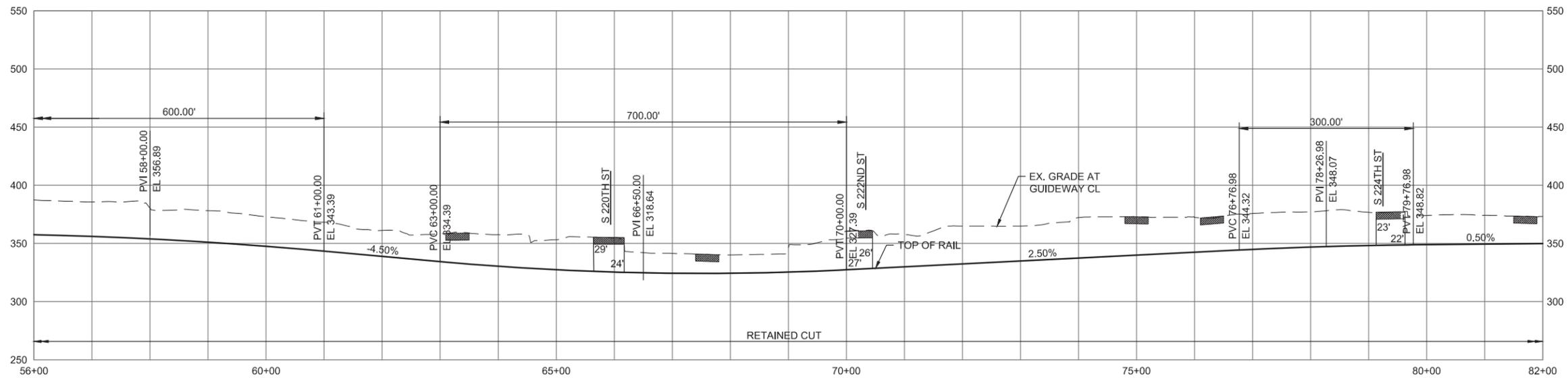
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FINAL EIS - CONCEPTUAL DESIGN
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 KDM HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
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AUGUST 2016
 SR99-F7-PP02
 120

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



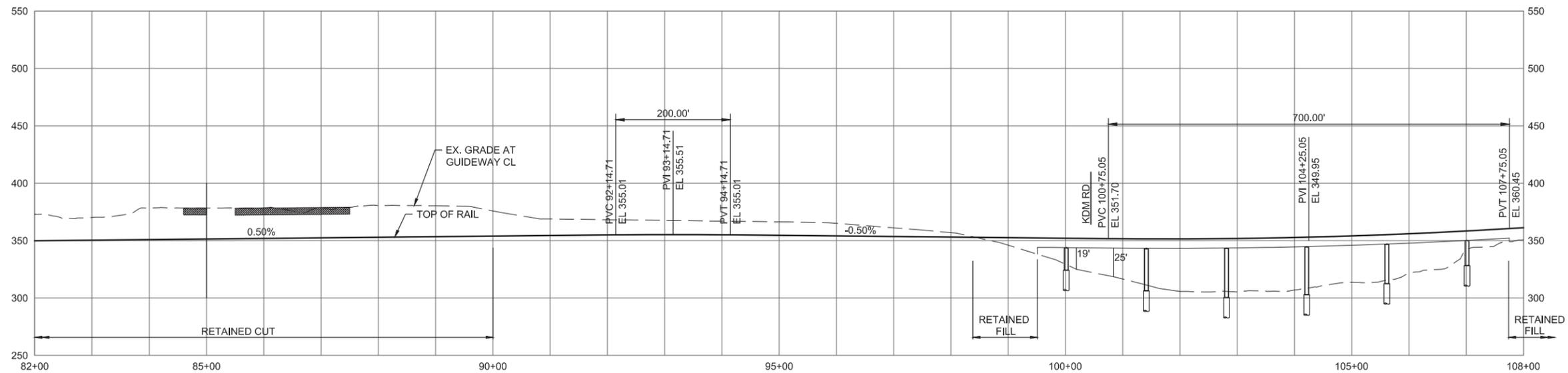
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KDM HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
 STA 56+00 TO STA 82+00

AUGUST 2016
 SR99-F8-PP03
 121

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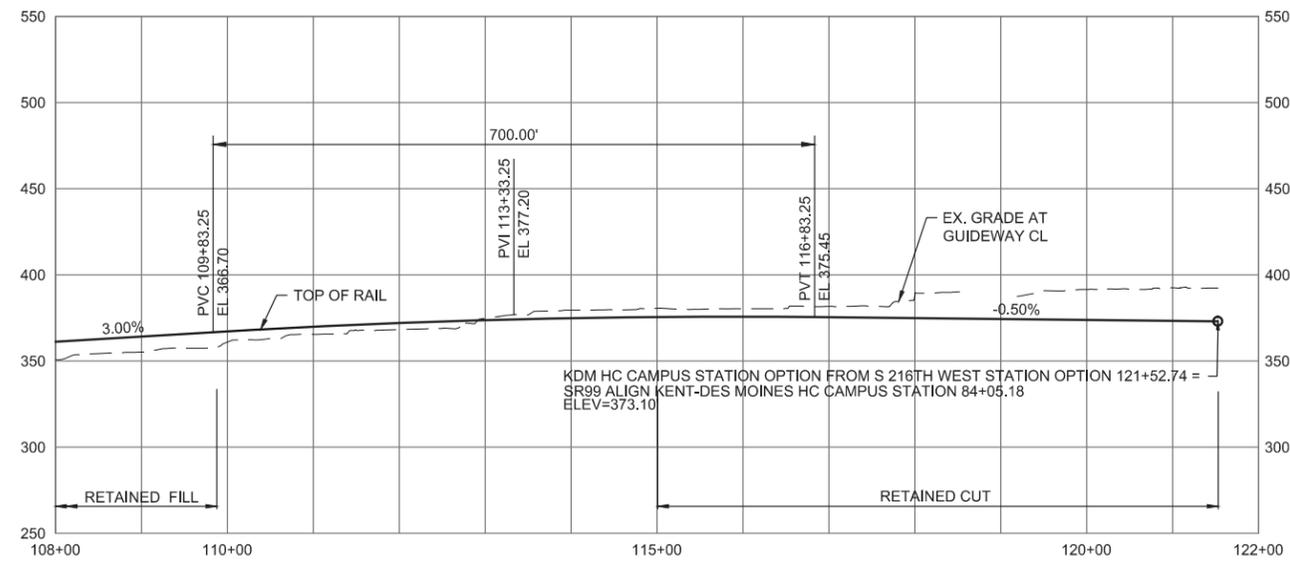
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KDM HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
 STA 82+00 TO STA 108+00

AUGUST 2016
 SR99-F9-PP04
 122

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 KDM HC CAMPUS STATION OPTION FROM S 216TH WEST STATION OPTION
 STA 108+00 TO STA 121+52.74

AUGUST 2016

SR99-F10-PP05
 123

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

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A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

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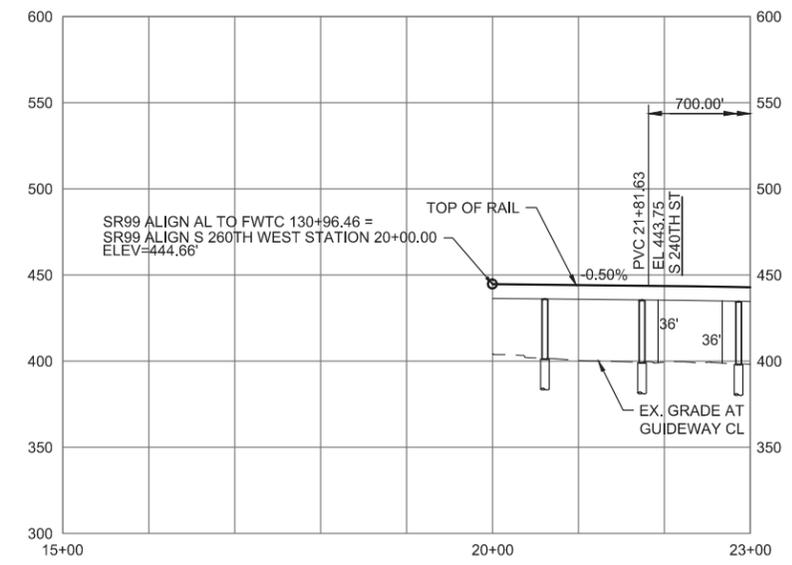


FINAL EIS - CONCEPTUAL DESIGN
S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
SHEET INDEX KEYMAP

AUGUST 2016

SR99-G00-GX02
124

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



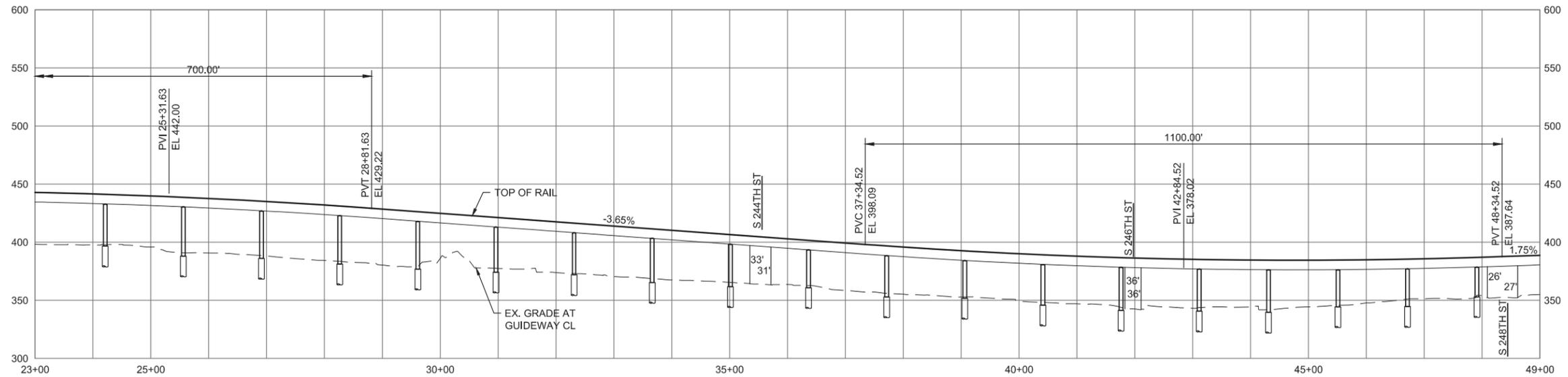
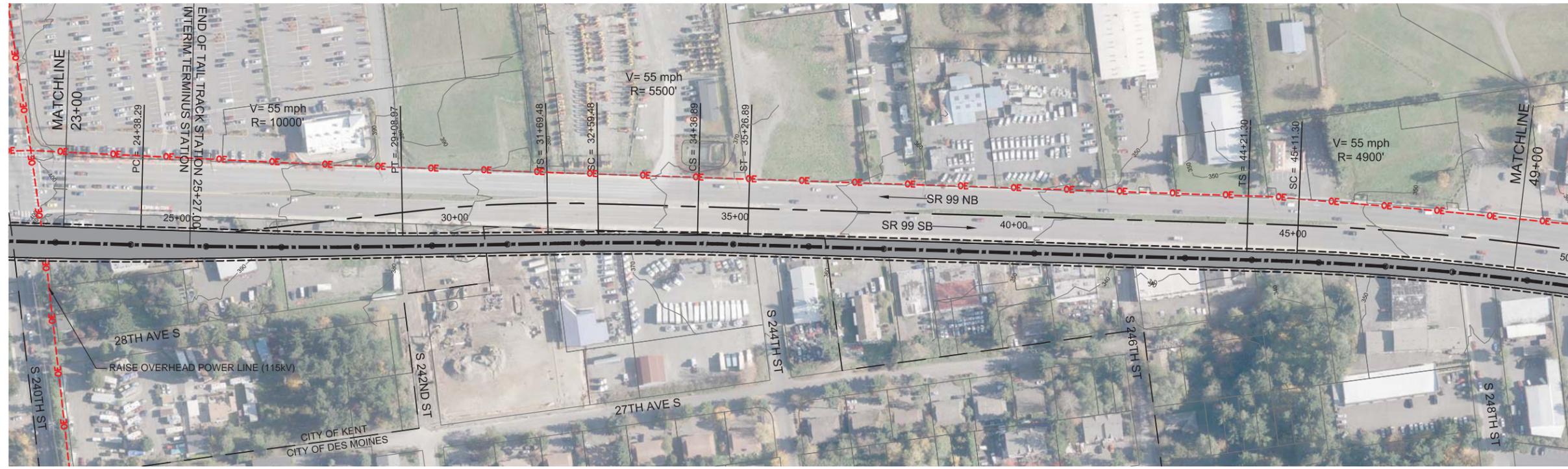
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE & ROADWAY RECONSTRUCTION
 S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 20+00 TO STA 23+00

AUGUST 2016
 SR99-G1-PP05
 125

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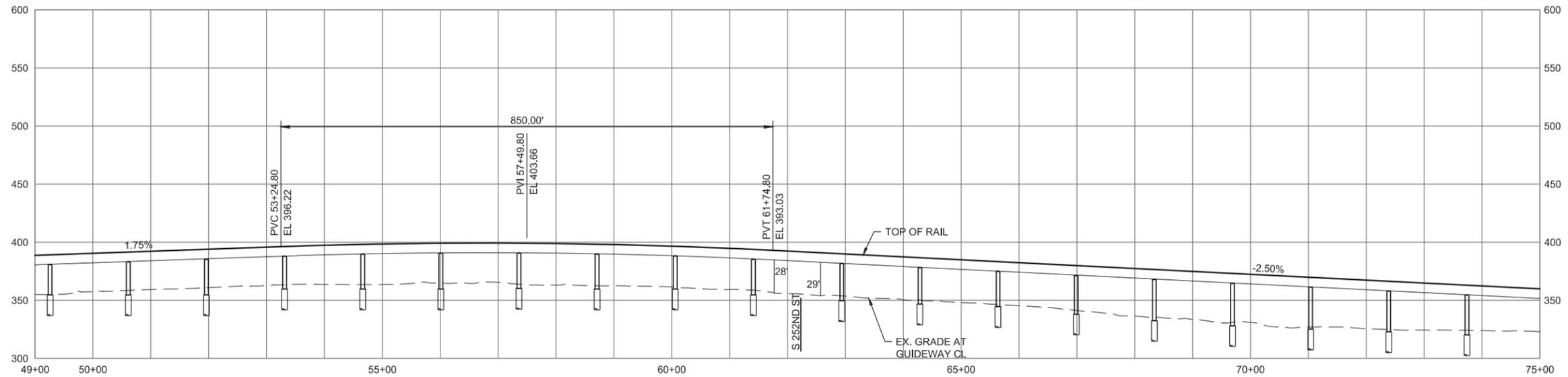
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE & ROADWAY RECONSTRUCTION
 S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 23+00 TO STA 49+00

AUGUST 2016
 SR99-G2-PP06
 126

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



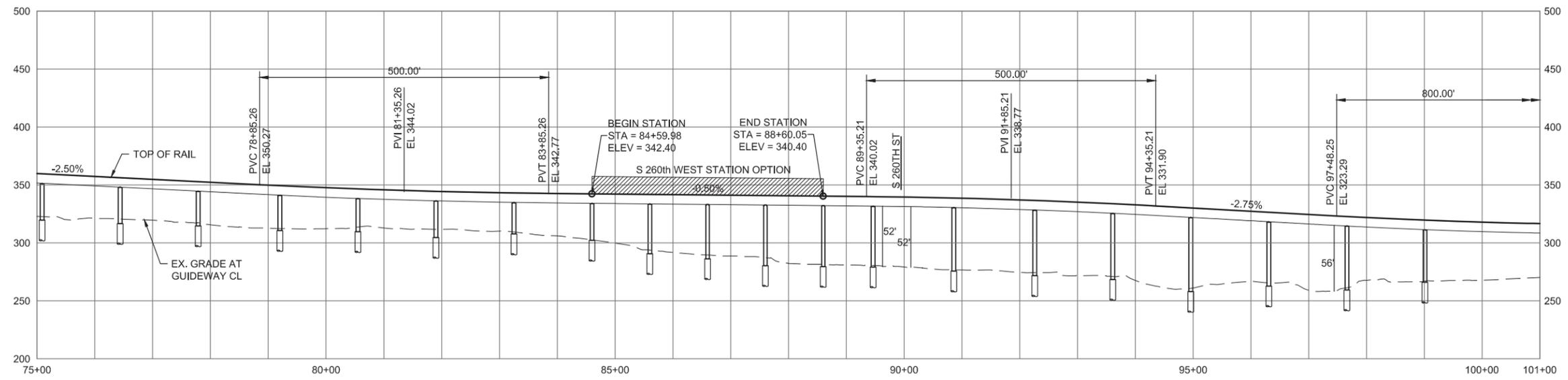
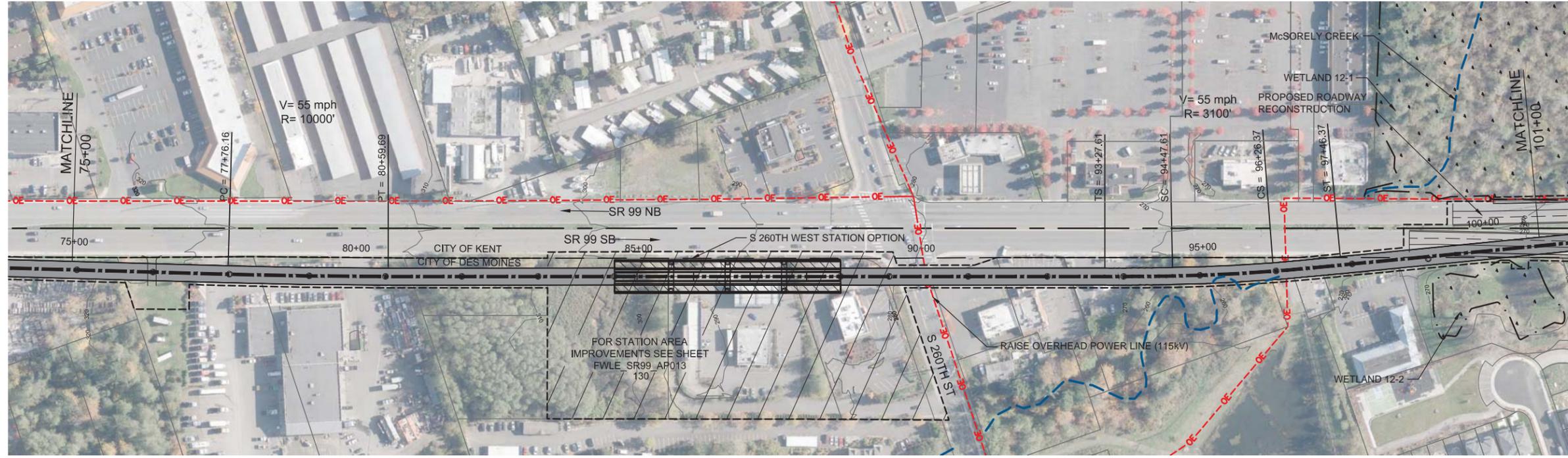
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FINAL EIS - CONCEPTUAL DESIGN
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 S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 49+00 TO STA 75+00

AUGUST 2016
 SR99-G3-PP07
 127

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



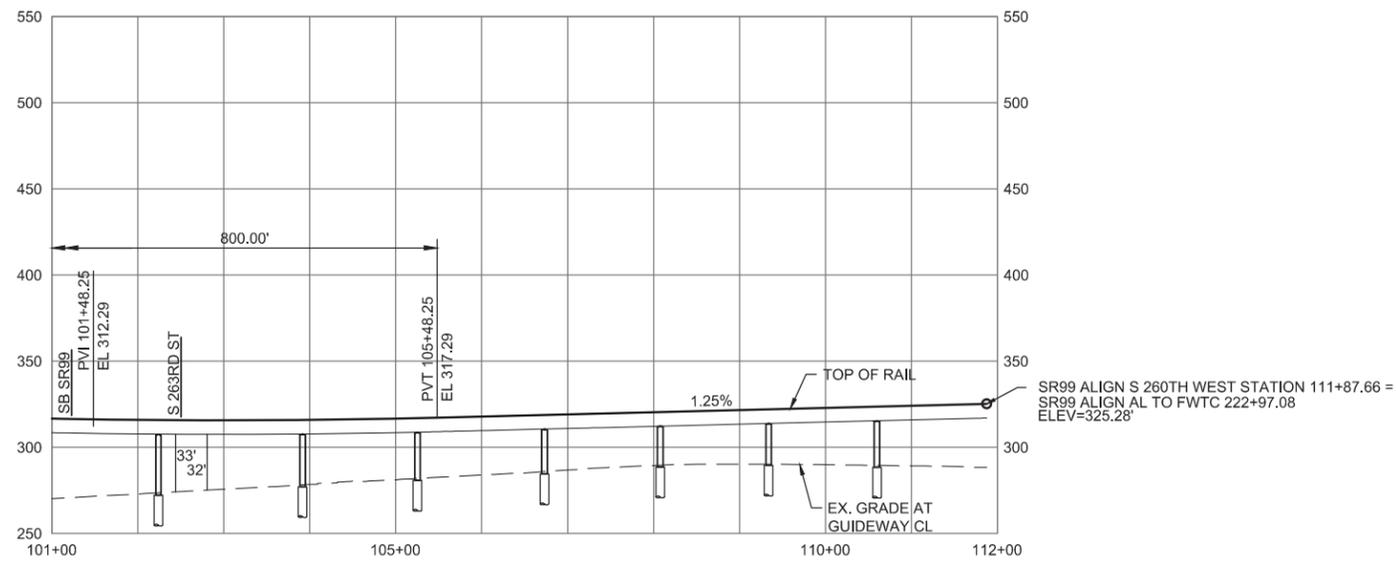
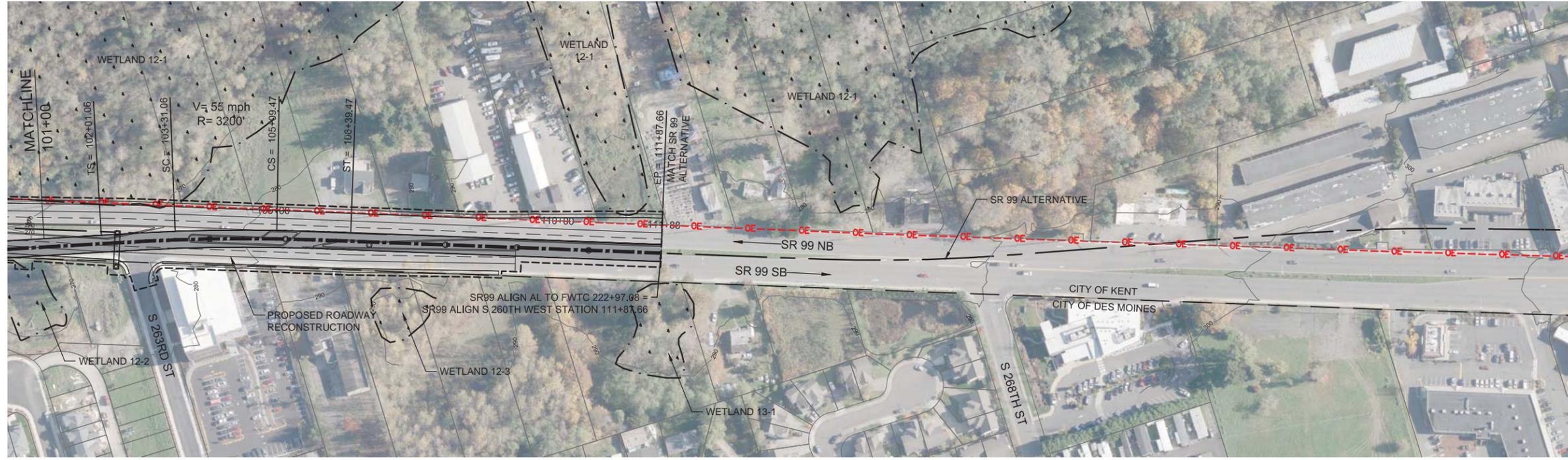
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FINAL EIS - CONCEPTUAL DESIGN
TRACK PLAN AND PROFILE & ROADWAY RECONSTRUCTION
S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
STA 75+00 TO STA 101+00

AUGUST 2016
SR99-G4-PP08
128

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



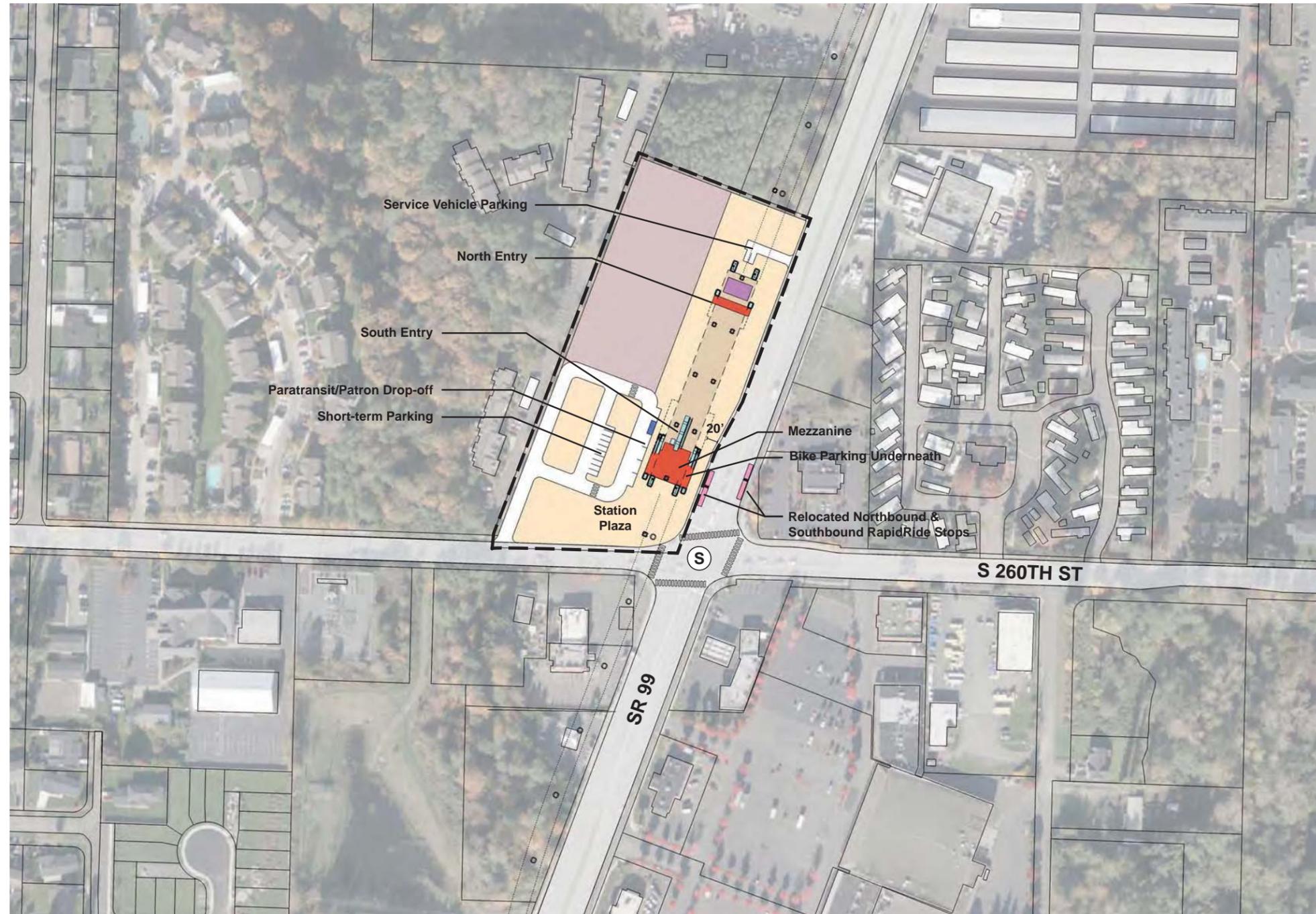
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FINAL EIS - CONCEPTUAL DESIGN
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 S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 101+00 TO STA 111+87.66

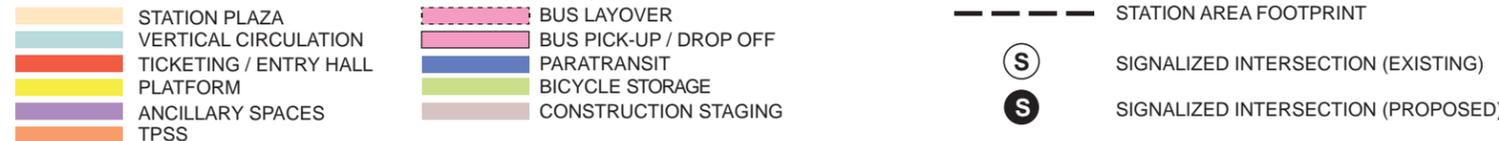
AUGUST 2016
 SR99-G5-PP09
 129

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

S 260th West Station Option	
Alternative(s)	SR 99; I-5 to SR 99
Boardings	1,000
Station Configuration	
Terminus / In-Line	In-Line
Station Type	Side Platform - Elevated
Platform Width	14'
Tail track	N/A
Crossover	TBD
TPSS	No
Program	
KC Metro Ancillary Spaces (SF)	N/A
ST Ancillary Spaces (SF)	1,200
Total Ancillary Spaces (SF)	1,200
Vertical Circulation	
# of entrances	2
# of escalators	3
# of staircases (patron)	3
# of elevators	5
# of emergency stairs	4
Bus/ Paratransit Facilities	
Bus bays (KCM)	N/A
Bus bays (ST)	N/A
Rapid Ride	On-street at SR 99
Bus layover (KCM)	N/A
Bus layover (ST)	N/A
Paratransit	1 space
Communications Facility	Tier 1
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	2 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	N/A
Service/emerg. vehicle park.	2 spaces, combined
Signal bungalow / TPSS park.	N/A
Patron parking	N/A



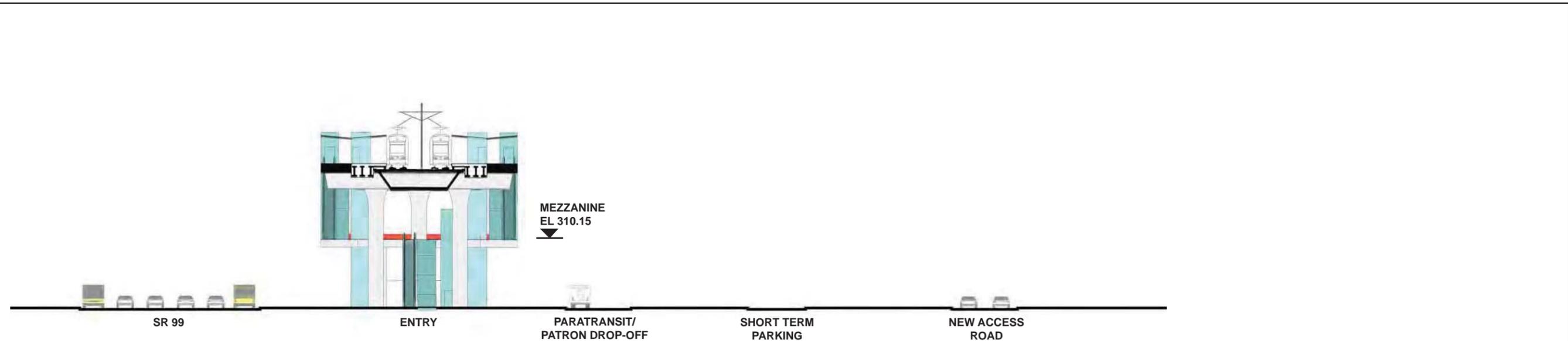
FINAL EIS - CONCEPTUAL DESIGN
 S 260TH WEST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SITE PLAN

AUGUST 2016

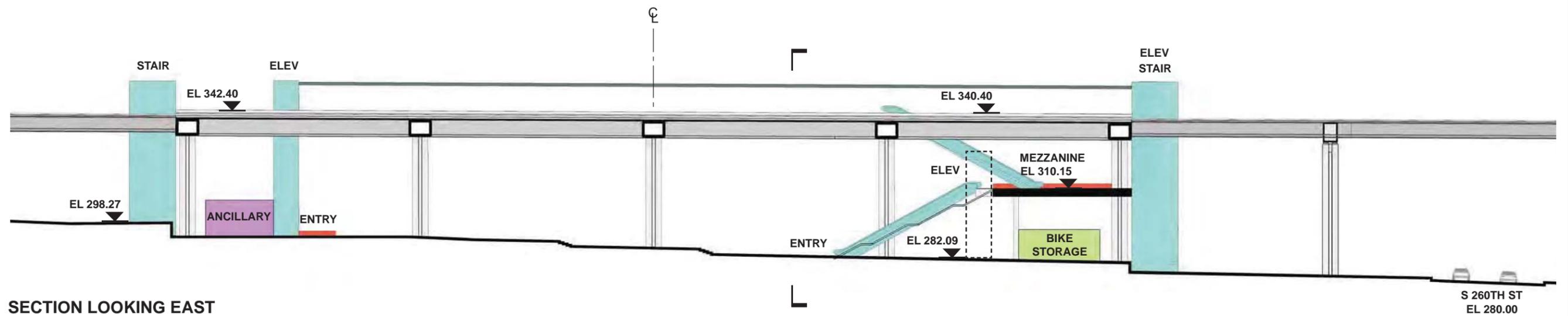
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION

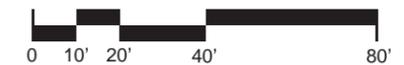


SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | |
|------------------------|------------------------|
| STATION PLAZA | BUS LAYOVER |
| VERTICAL CIRCULATION | BUS PICK-UP / DROP OFF |
| TICKETING / ENTRY HALL | PARATRANSIT |
| PLATFORM | BICYCLE STORAGE |
| ANCILLARY SPACES | CONSTRUCTION STAGING |
| TPSS | |



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FINAL EIS - CONCEPTUAL DESIGN
 S 260TH WEST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SECTIONS

AUGUST 2016

FWLE_S99_AX013
 131

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

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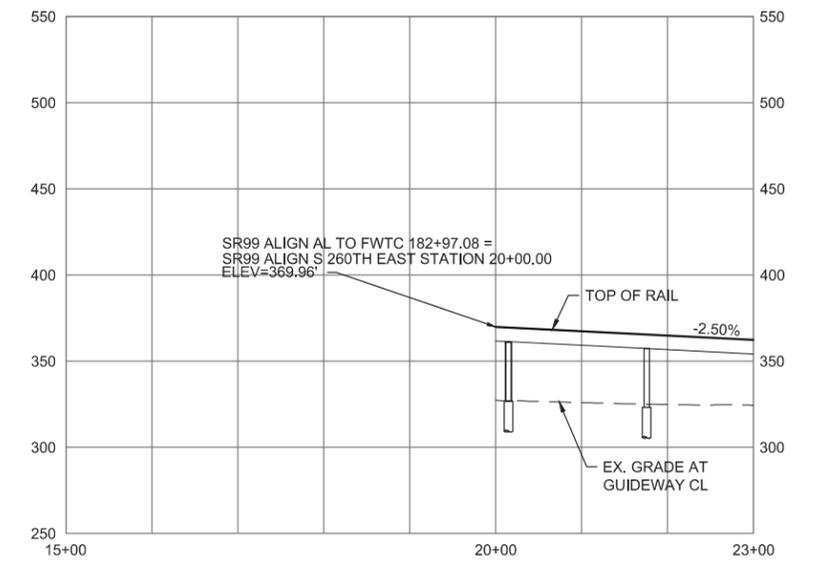
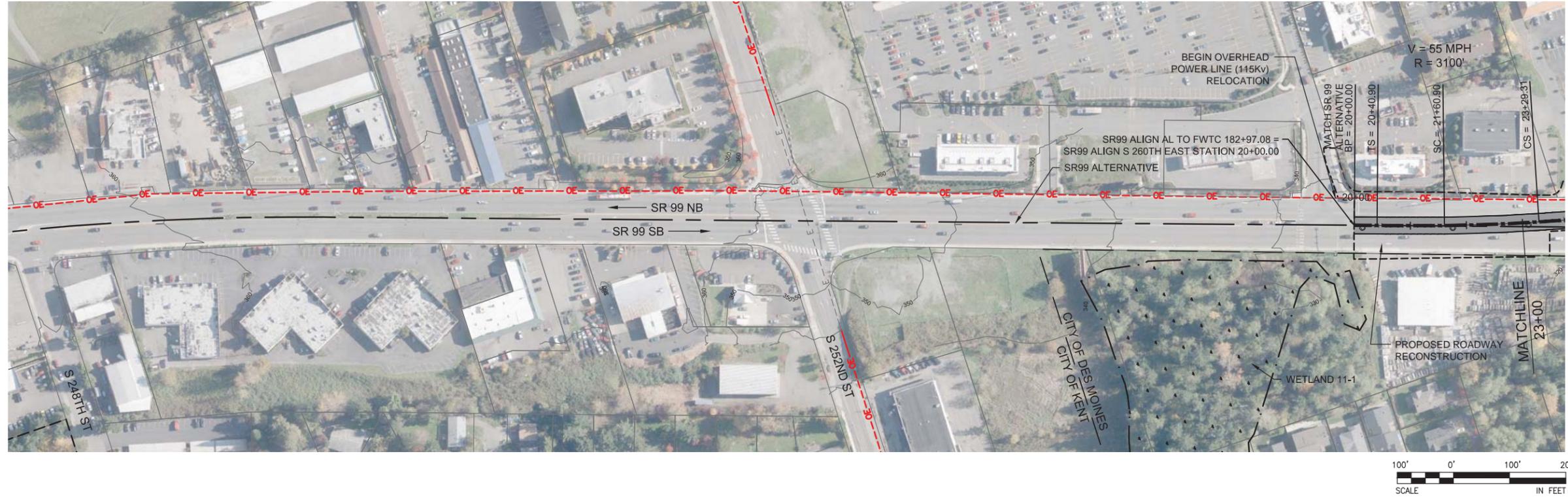


FINAL EIS - CONCEPTUAL DESIGN
S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
SHEET INDEX KEYMAP

AUGUST 2016

SR99-H00-GX02
132

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



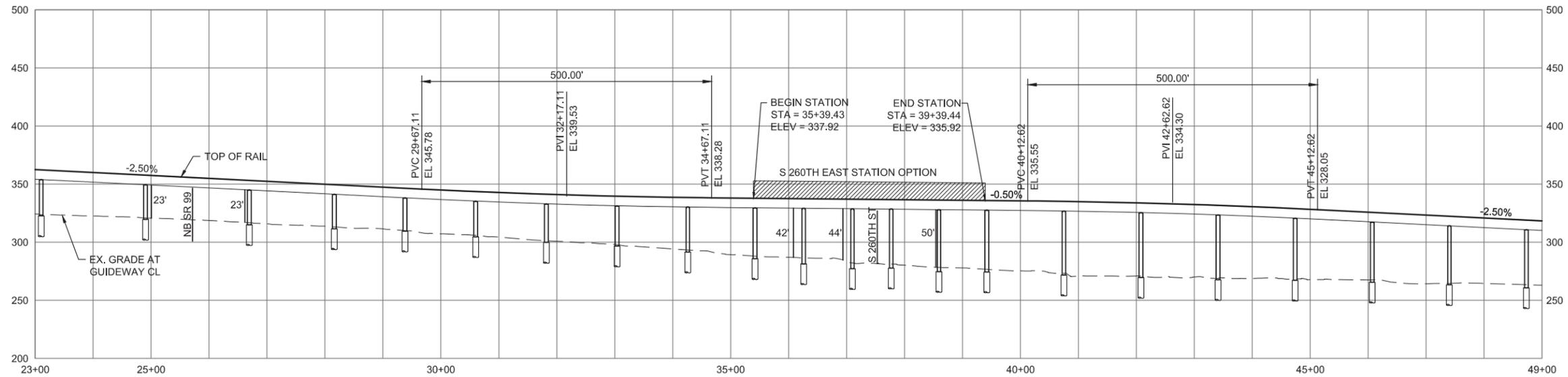
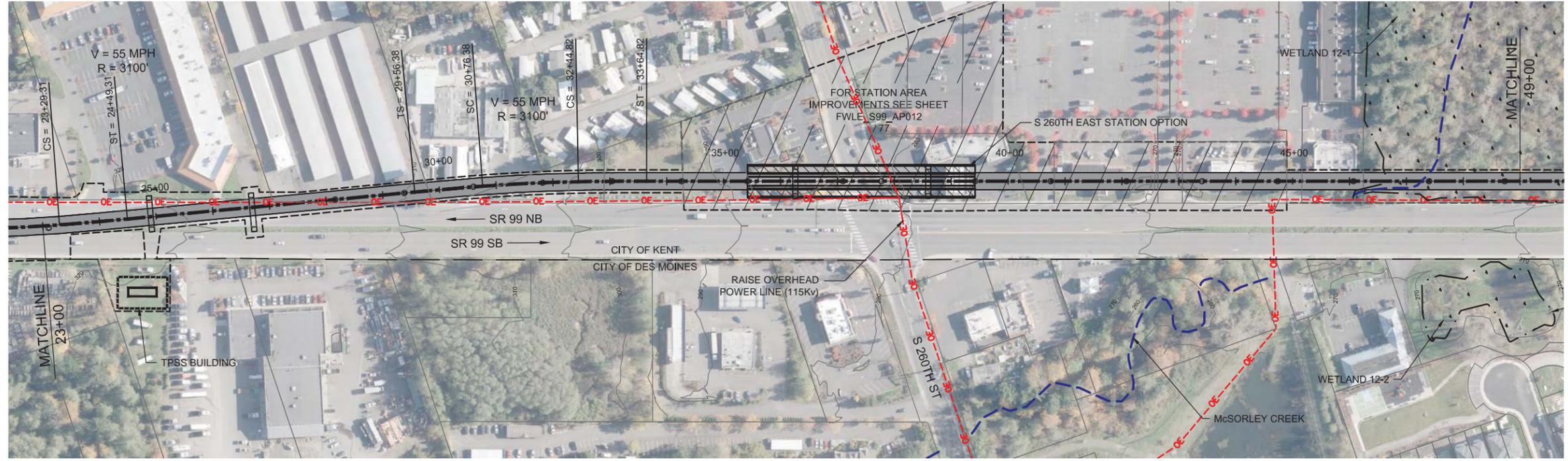
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 20+00 TO STA 23+00

AUGUST 2016
 SR99-H1-PP07
 137

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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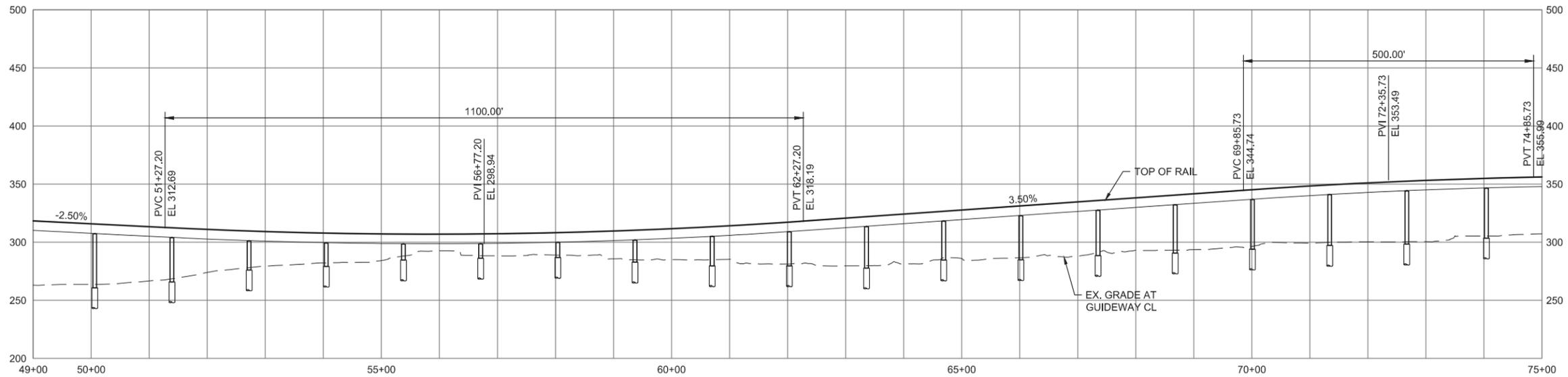
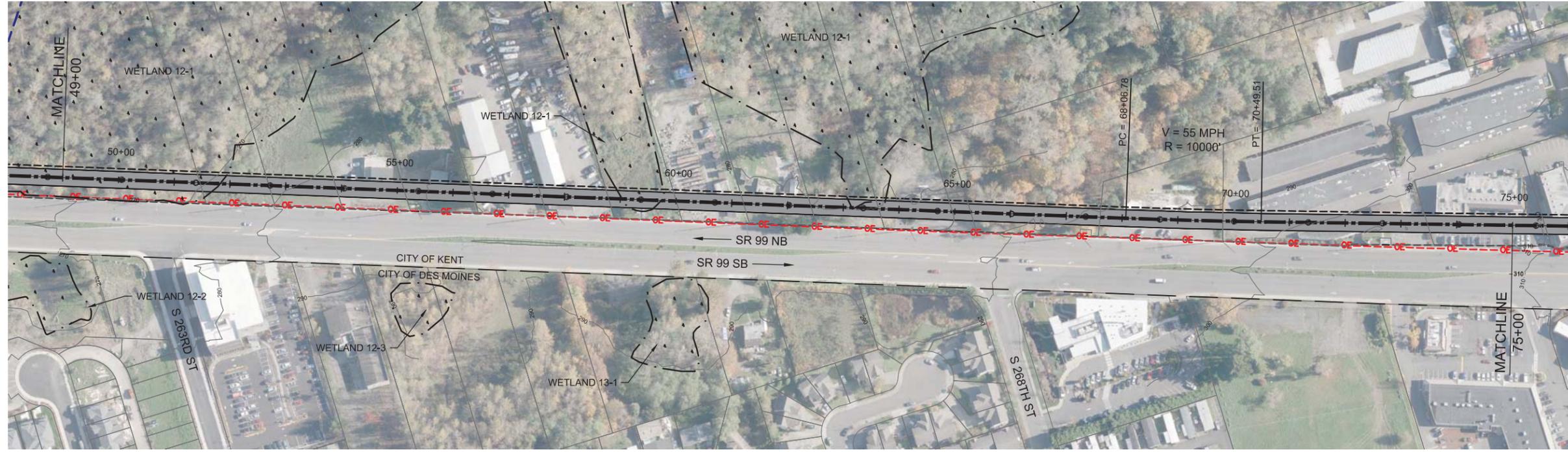


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 23+00 TO STA 49+00

AUGUST 2016

SR99-H2-PP08
 134

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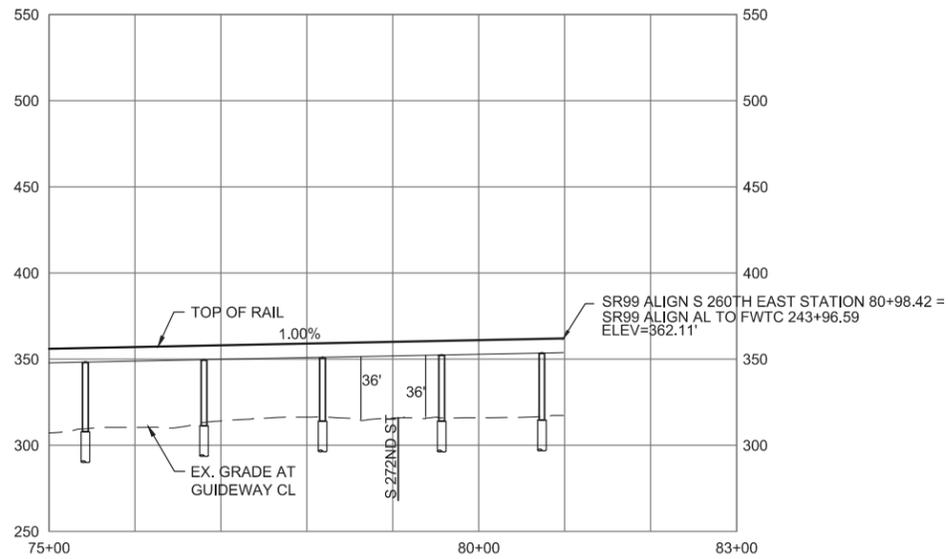


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 49+00 TO STA 75+00

AUGUST 2016

SR99-H3-PP09
 135

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 75+00 TO STA 80+98.42

AUGUST 2016

SR99-H4-PP10
 136

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

S 260th East Station Option	
Alternative(s)	SR 99; I-5 to SR 99
Boardings	1,000
Station Configuration	
Terminus / In-Line	In-Line
Station Type	Side Platform - Elevated
Platform Width	14'
Tail track	N/A
Crossover	TBD
TPSS	No
Program	
KC Metro Ancillary Spaces (SF)	N/A
ST Ancillary Spaces (SF)	1,200
Total Ancillary Spaces (SF)	1,200
Vertical Circulation	
# of entrances	2
# of escalators	6
# of staircases (patron)	6
# of elevators	6
# of emergency stairs	4
Bus/ Paratransit Facilities	
Bus bays (KCM)	N/A
Bus bays (ST)	N/A
Rapid Ride	On-street at SR 99
Bus layover (KCM)	N/A
Bus layover (ST)	N/A
Paratransit	1 space
Communications Facility	Tier 1
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	2 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	N/A
Service/emerg. vehicle park.	2 spaces, combined
Signal bungalow / TPSS park.	N/A
Patron parking	N/A

- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING
- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)



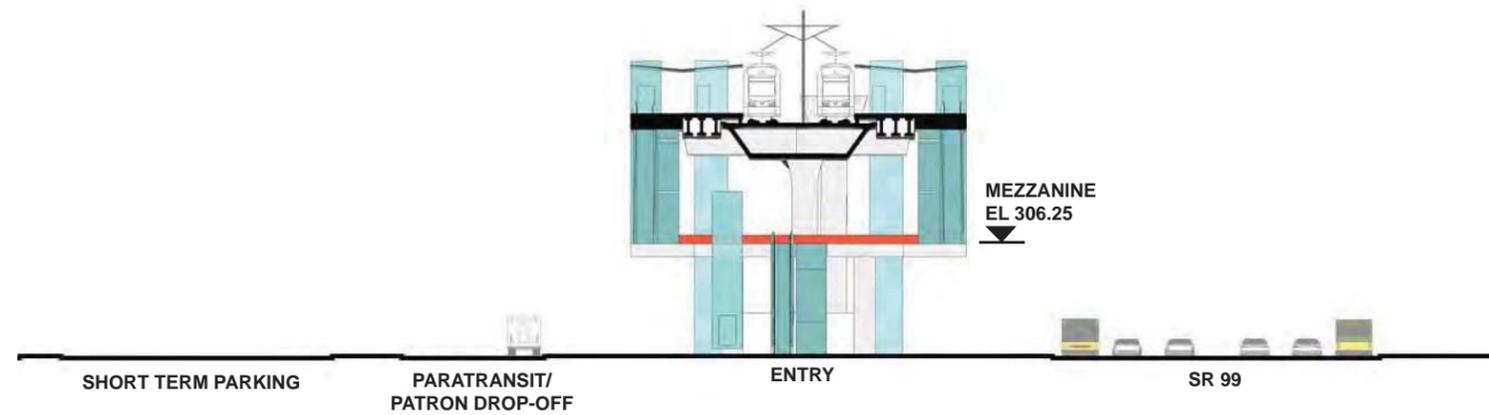
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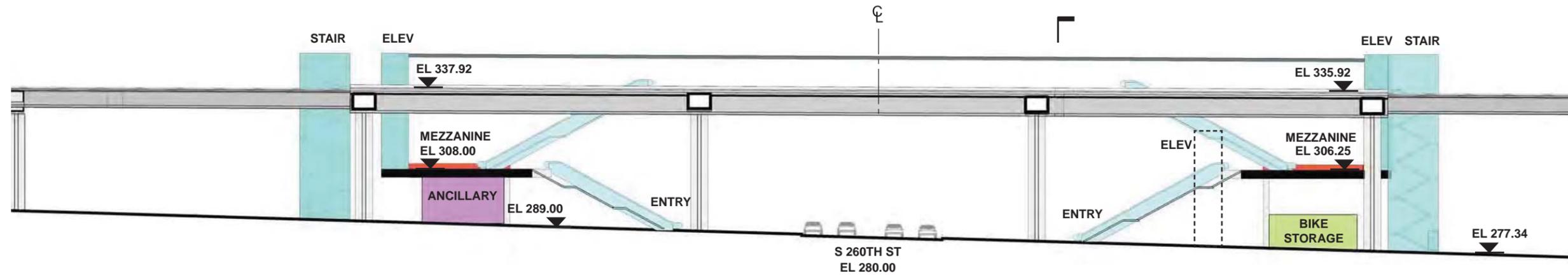
FINAL EIS - CONCEPTUAL DESIGN
 S 260TH EAST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SITE PLAN

AUGUST 2016
 FWLE_S99_AP012
 137

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

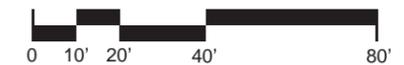


SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | | | |
|--|------------------------|--|------------------------|
| | STATION PLAZA | | BUS LAYOVER |
| | VERTICAL CIRCULATION | | BUS PICK-UP / DROP OFF |
| | TICKETING / ENTRY HALL | | PARATRANSIT |
| | PLATFORM | | BICYCLE STORAGE |
| | ANCILLARY SPACES | | CONSTRUCTION STAGING |
| | TPSS | | |



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 258MM PROJECT 257912 FEDERAL WAY TRANSIT EXTENSION



FINAL EIS - CONCEPTUAL DESIGN
 S 260TH EAST STATION OPTION
 (POTENTIAL ADDITIONAL STATION)
 SECTIONS

AUGUST 2016

FWLE_S99_AX012
 138

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION								X	X	X	X	X	X	X		
K - FEDERAL WAY SR 99 STATION OPTION															X	X

I - NOT USED



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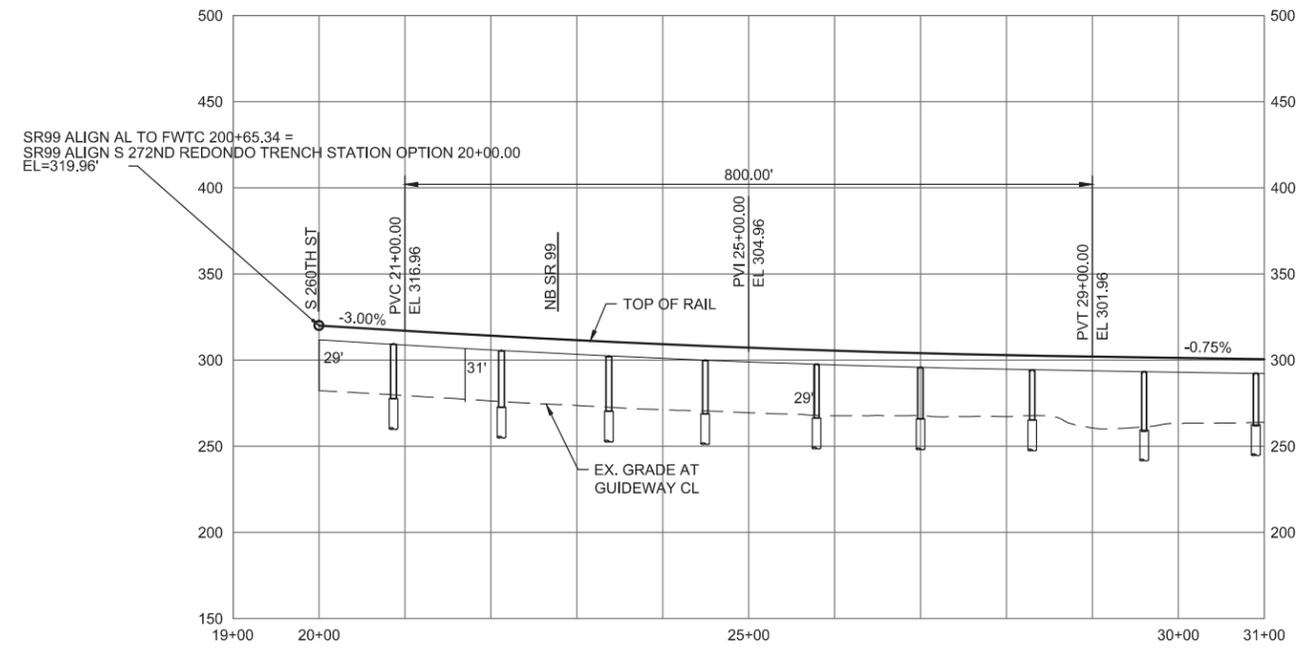


FINAL EIS - CONCEPTUAL DESIGN
S 272ND REDONDO TRENCH STATION OPTION
SHEET INDEX KEYMAP

AUGUST 2016

SR99-J00-GX02
139

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



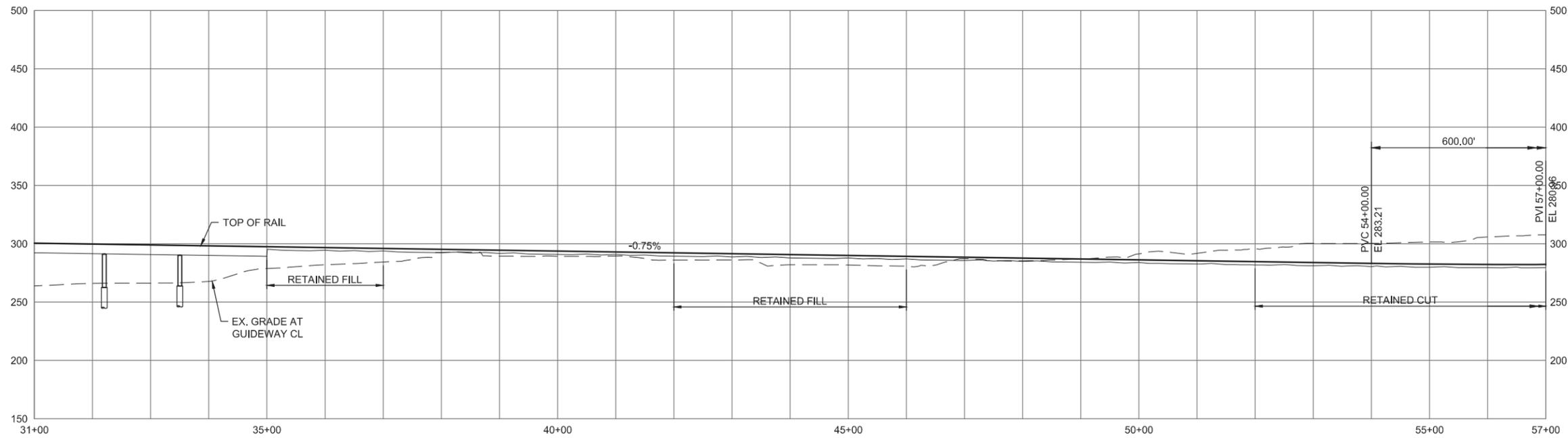
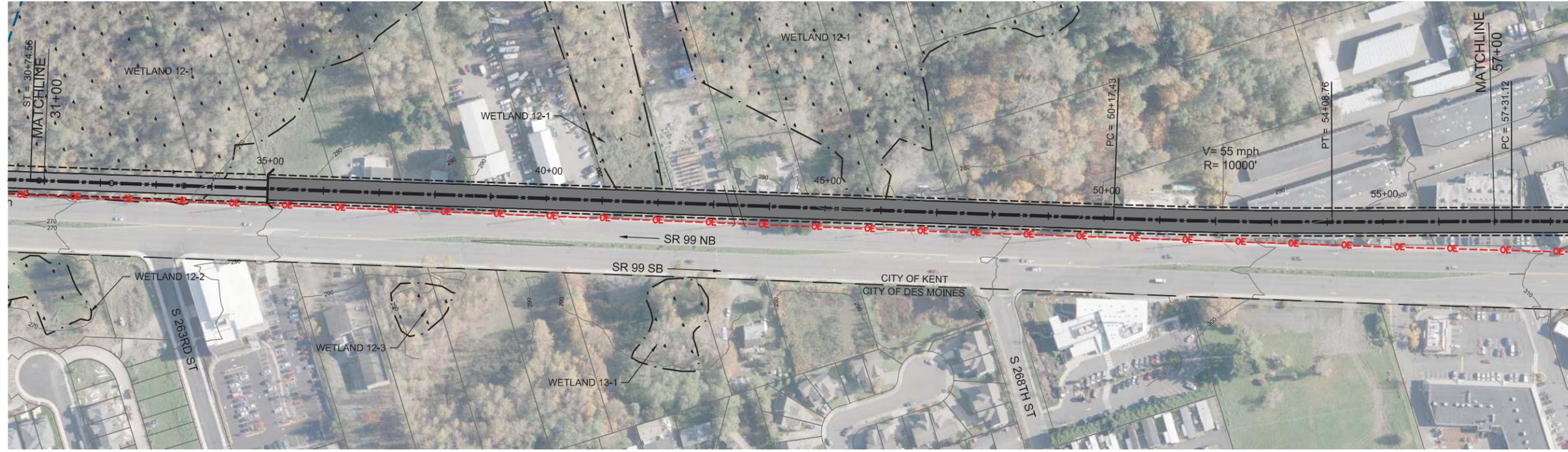
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 S 272ND REDONDO TRENCH STATION OPTION
 STA 20+00 TO STA 31+00

AUGUST 2016
 SR99-J1-PP08
 140

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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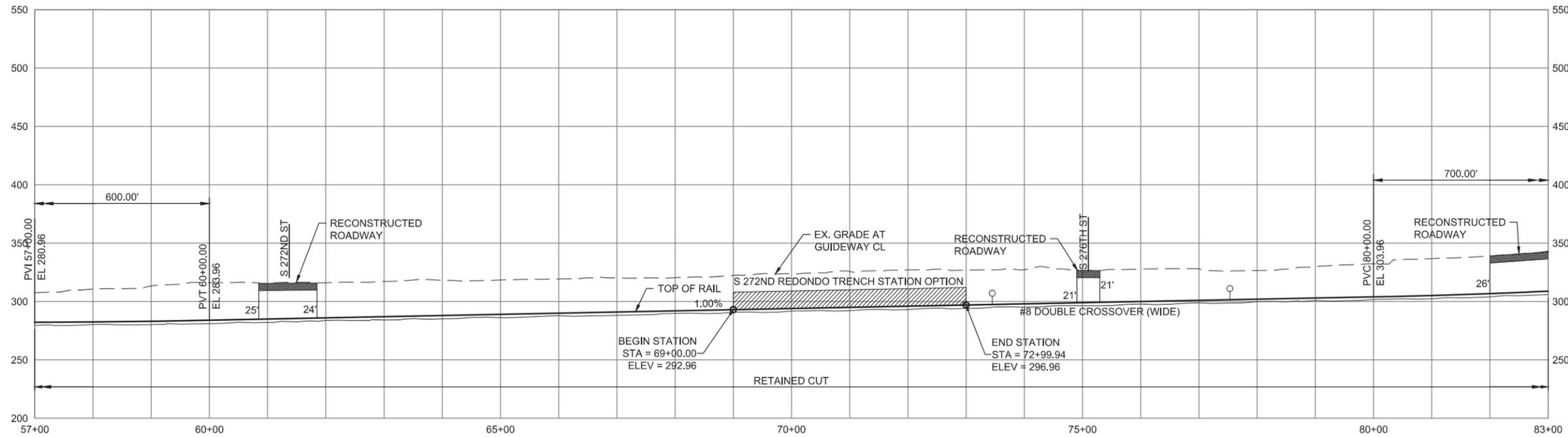


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 S 272ND REDONDO TRENCH STATION OPTION
 STA 31+00 TO STA 57+00

AUGUST 2016

SR99-J2-PP09
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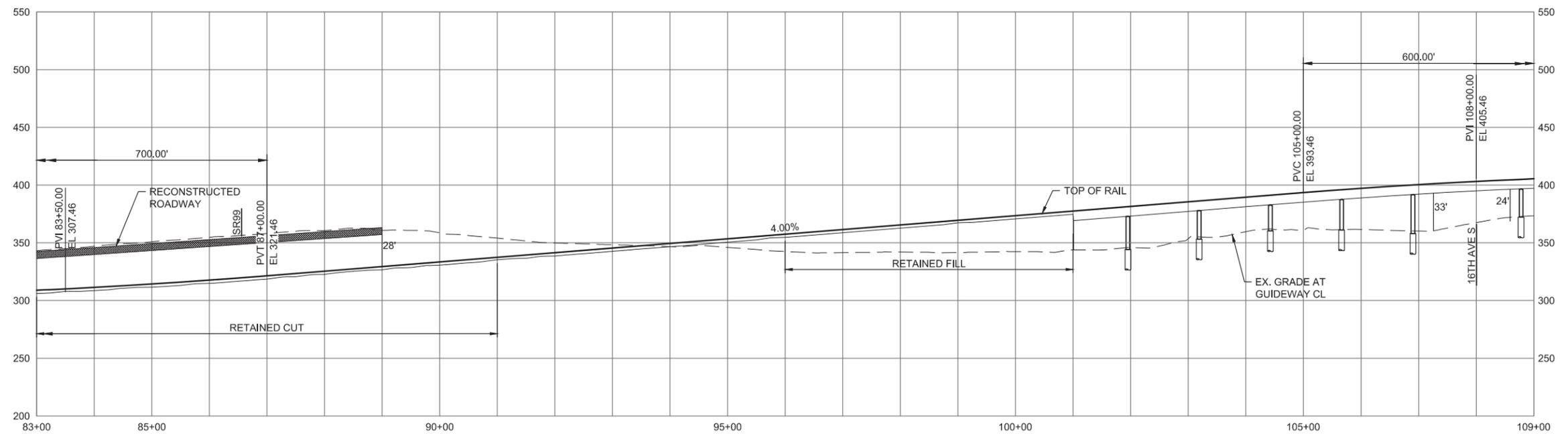
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 S 272ND REDONDO TRENCH STATION OPTION
 STA 57+00 TO STA 83+00

AUGUST 2016
 SR99-J3-PP10
 142

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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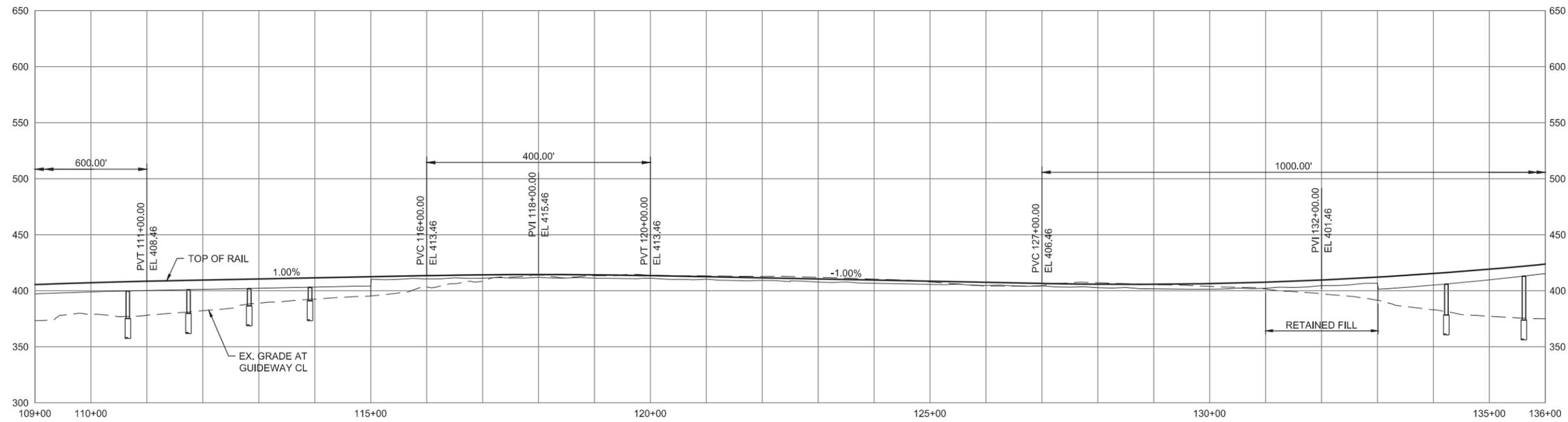
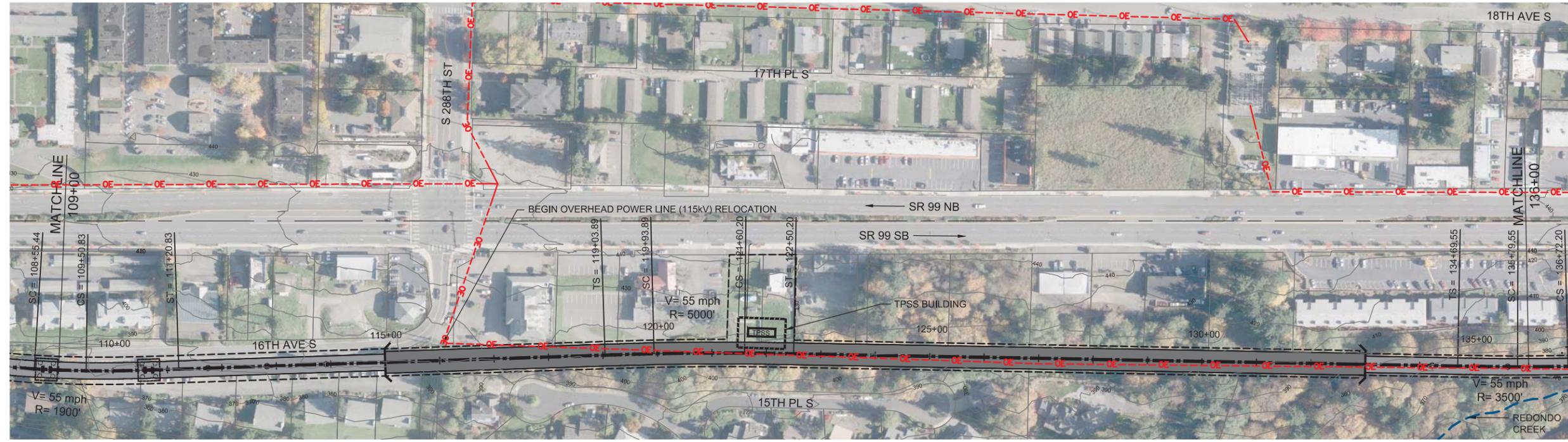


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 S 272ND REDONDO TRENCH STATION OPTION
 STA 83+00 TO STA 109+00

AUGUST 2016

SR99-J4-PP11
 143

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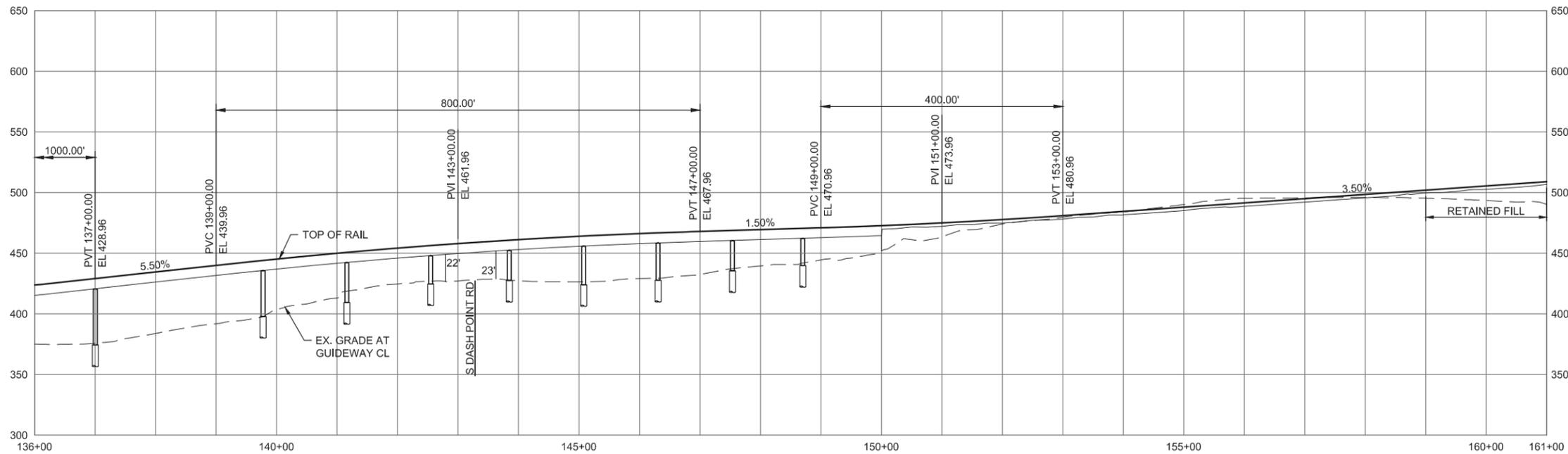
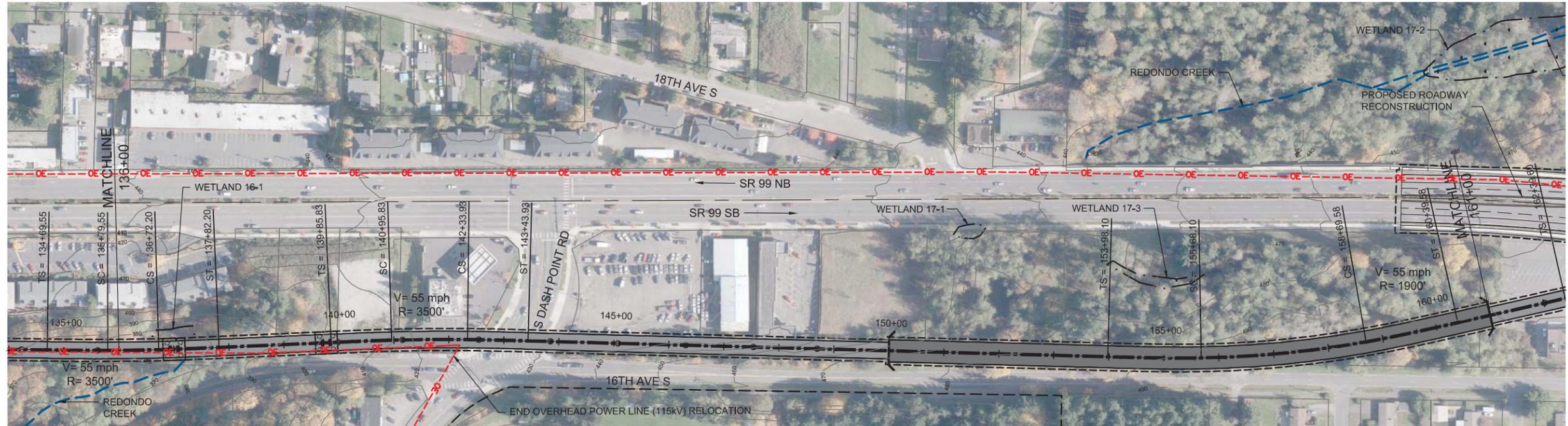
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 S 272ND REDONDO TRENCH STATION OPTION
 STA 109+00 TO STA 136+00

AUGUST 2016
 SR99-J5-PP12
 144

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



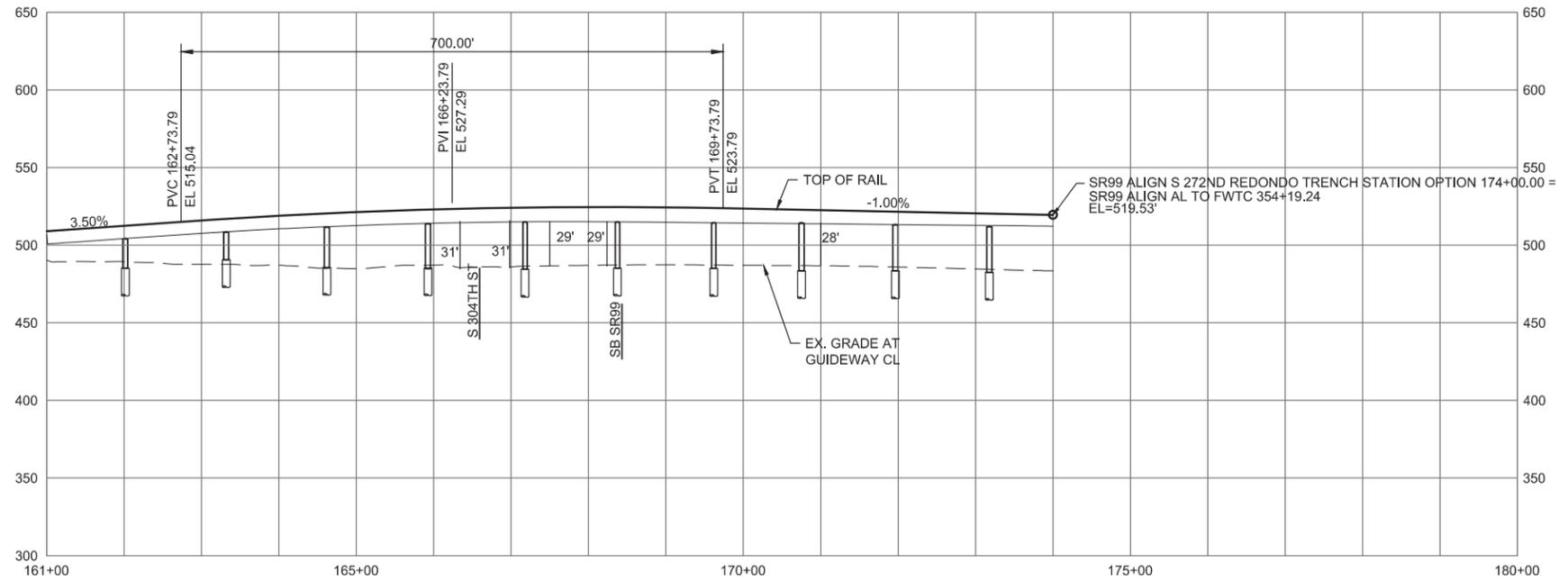
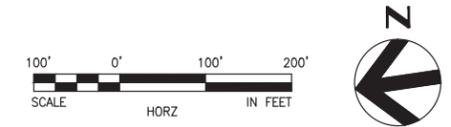
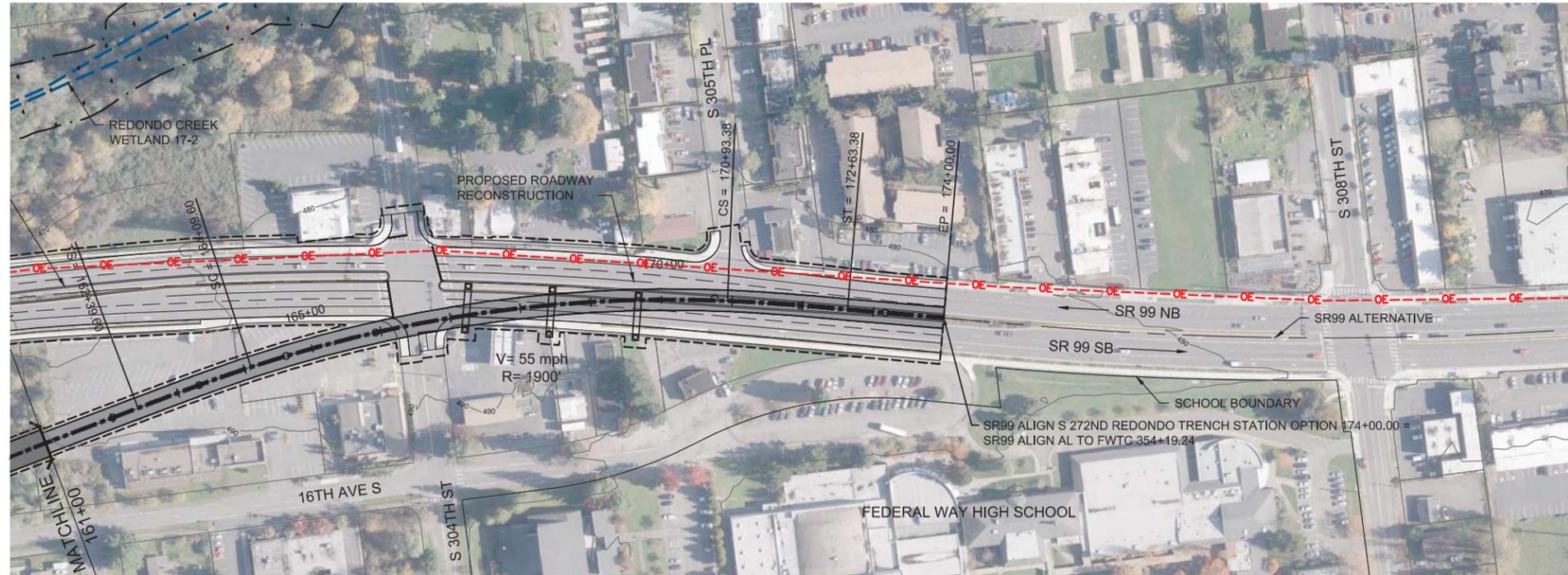
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 S 272ND REDONDO TRENCH STATION OPTION
 STA 136+00 TO STA 161+00

AUGUST 2016
 SR99-J6-PP13
 145

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



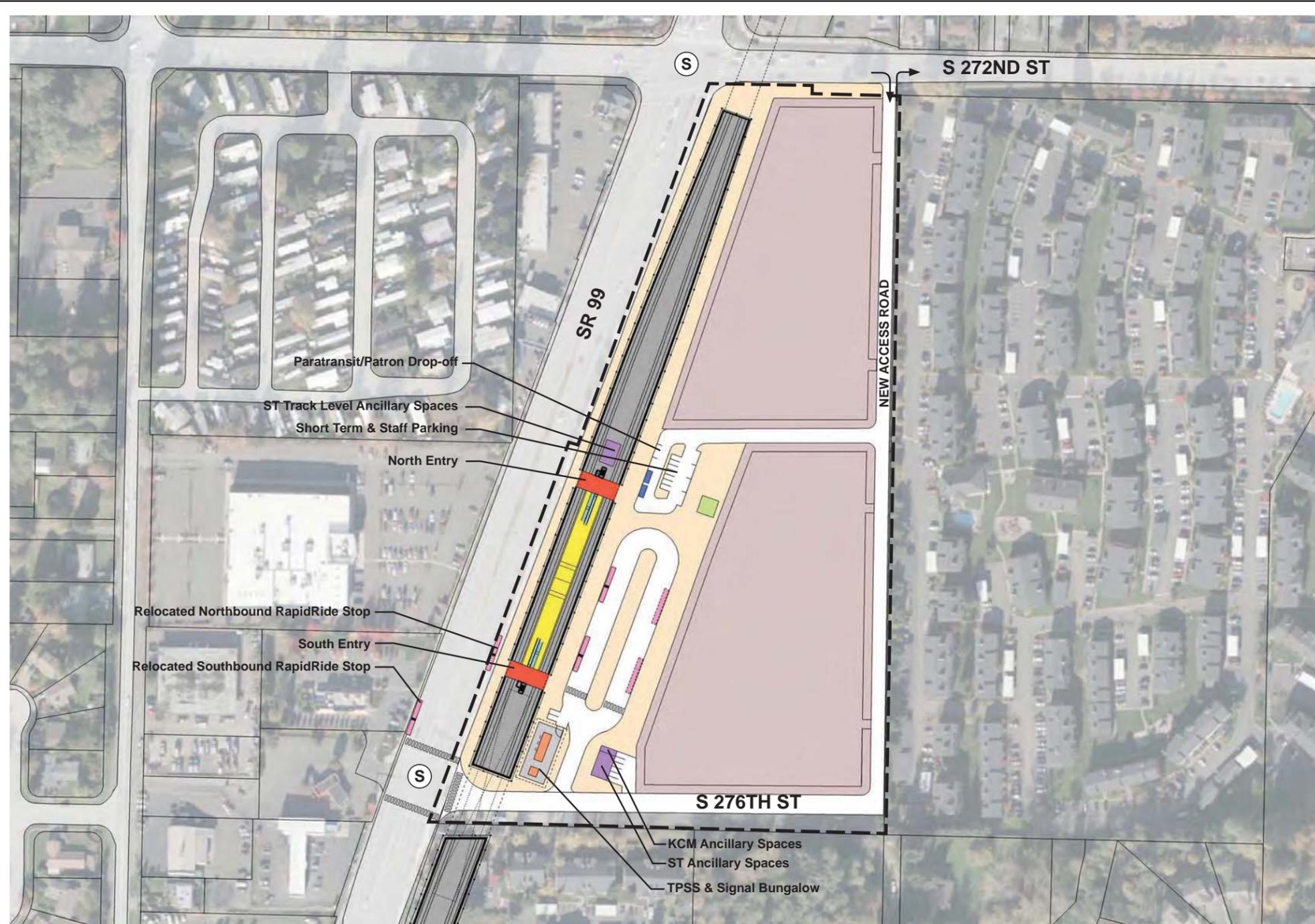
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE
 S 272ND REDONDO TRENCH STATION OPTION
 STA 161+00 TO STA 174+00

AUGUST 2016
 SR99-J7-PP14
 146

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

S 272nd Redondo Trench Station Option	
Alternative(s)	SR 99
Boardings	1,500
Boardings (interim terminus)	3,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Trench
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	2
# of staircases (patron)	2
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	N/A
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, one 60' coach each
Bus layover (ST)	N/A
Paratransit	1 permanent, 1 interim
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Existing patron parking	700 spaces
Additional patron parking	700 spaces
Total proposed patron parking	1400 spaces (structure)

- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING / PARKING
- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)



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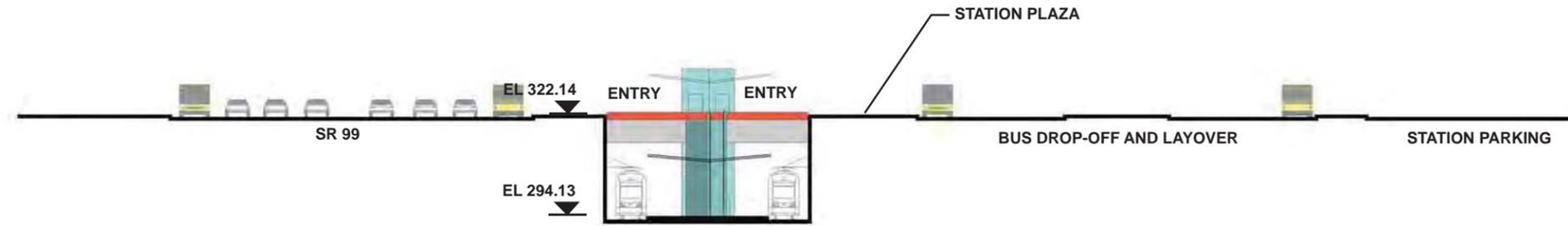


FINAL EIS - CONCEPTUAL DESIGN
S 272ND REDONDO TRENCH STATION OPTION
SITE PLAN

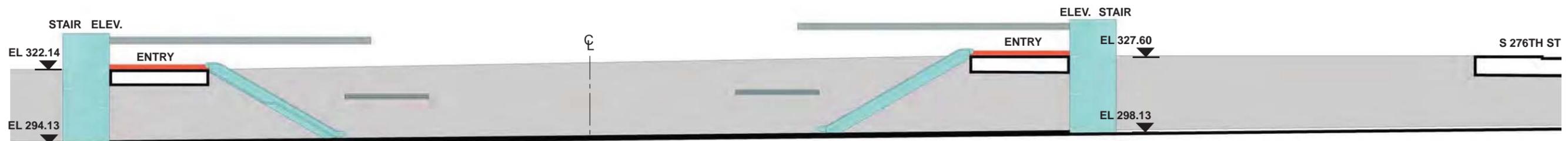
AUGUST 2016

FWLE_S99_AP002
147

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

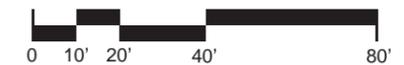


SECTION LOOKING NORTH



SECTION LOOKING EAST

- | | |
|--|--|
|  STATION PLAZA |  BUS LAYOVER |
|  VERTICAL CIRCULATION |  BUS PICK-UP / DROP OFF |
|  TICKETING / ENTRY HALL |  PARATRANSIT |
|  PLATFORM |  BICYCLE STORAGE |
|  ANCILLARY SPACES |  CONSTRUCTION STAGING / PARKING |
|  TPSS | |



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FINAL EIS - CONCEPTUAL DESIGN
 S 272ND REDONDO TRENCH STATION OPTION
 SECTIONS

AUGUST 2016

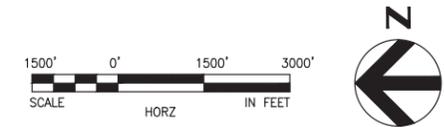
FWLE_S99_AX002
 148

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 SHEET LAYOUT MATRIX

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A - SR 99 ALTERNATIVE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	X	X	X													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		X	X													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				X	X	X										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				X	X	X	X									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			X	X	X	X	X									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						X	X	X	X	X						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					X	X	X	X	X							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							X	X	X	X						
J - S 272ND REDONDO TRENCH STATION OPTION							X	X	X	X	X	X	X			
K - FEDERAL WAY SR 99 STATION OPTION															X	X
I - NOT USED																



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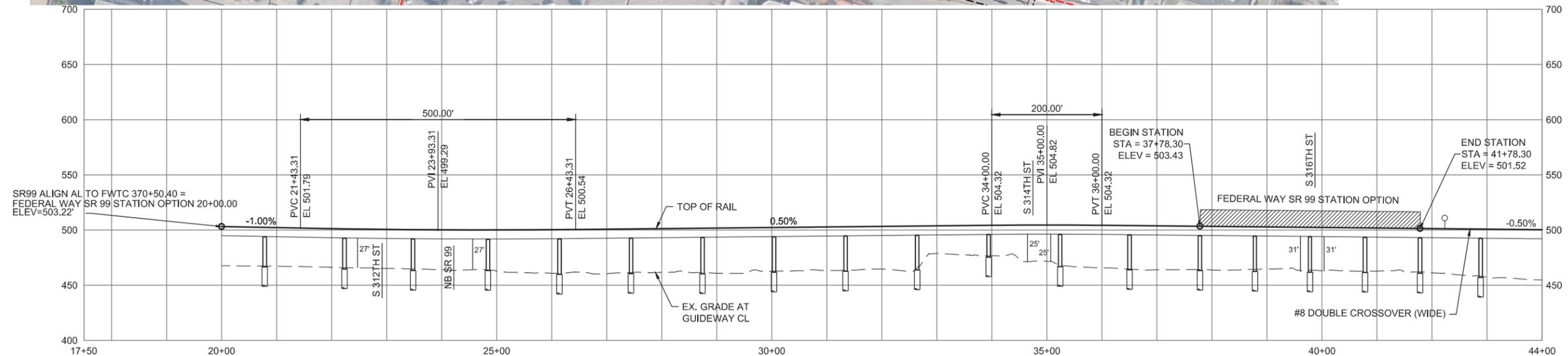
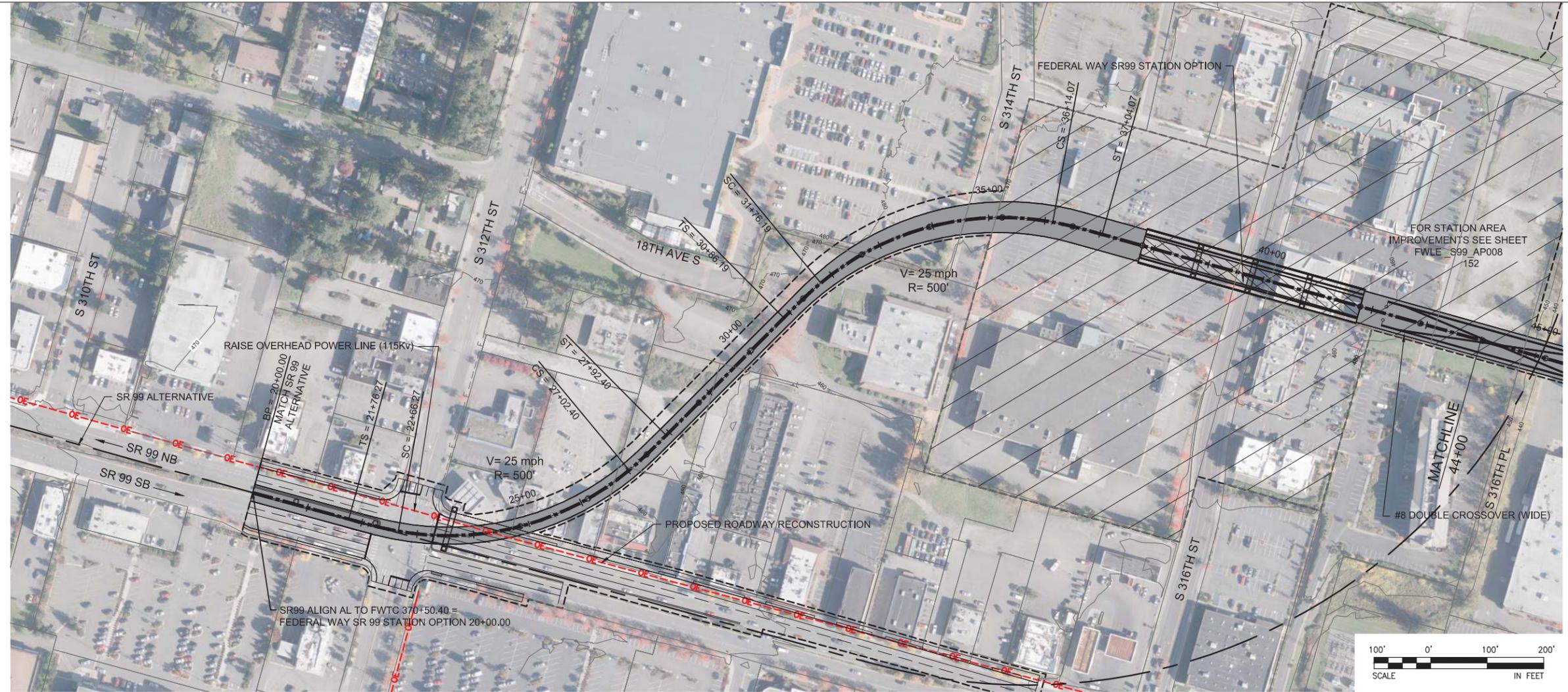


FINAL EIS - CONCEPTUAL DESIGN
FEDERAL WAY SR 99 STATION OPTION
SHEET INDEX KEYMAP

AUGUST 2016

SR99-K00-GX02
149

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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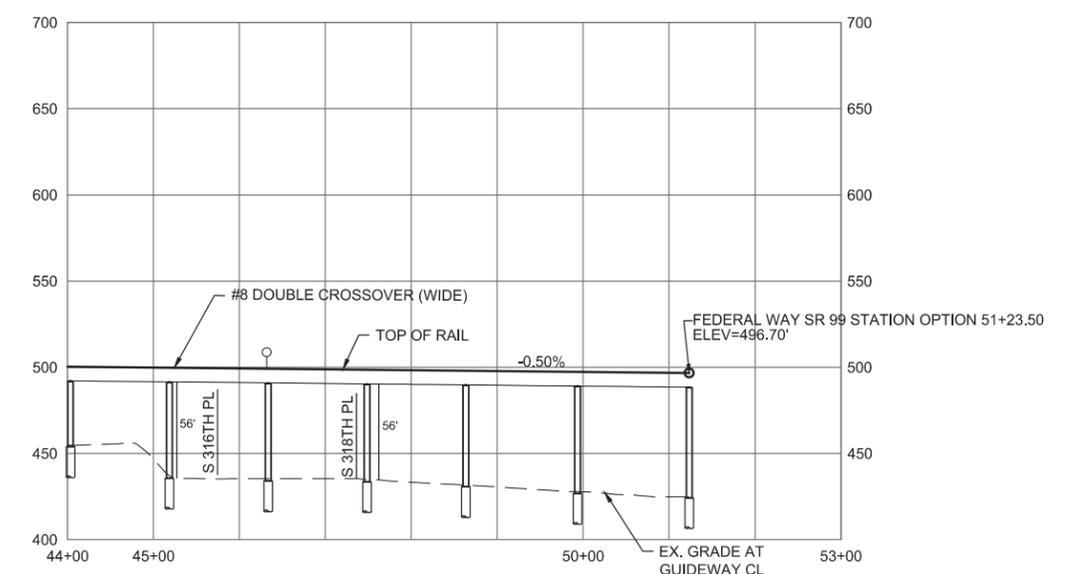


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 FEDERAL WAY SR 99 STATION OPTION
 STA 20+00 TO STA 44+00

AUGUST 2016

SR99-K1-PP15
 150

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



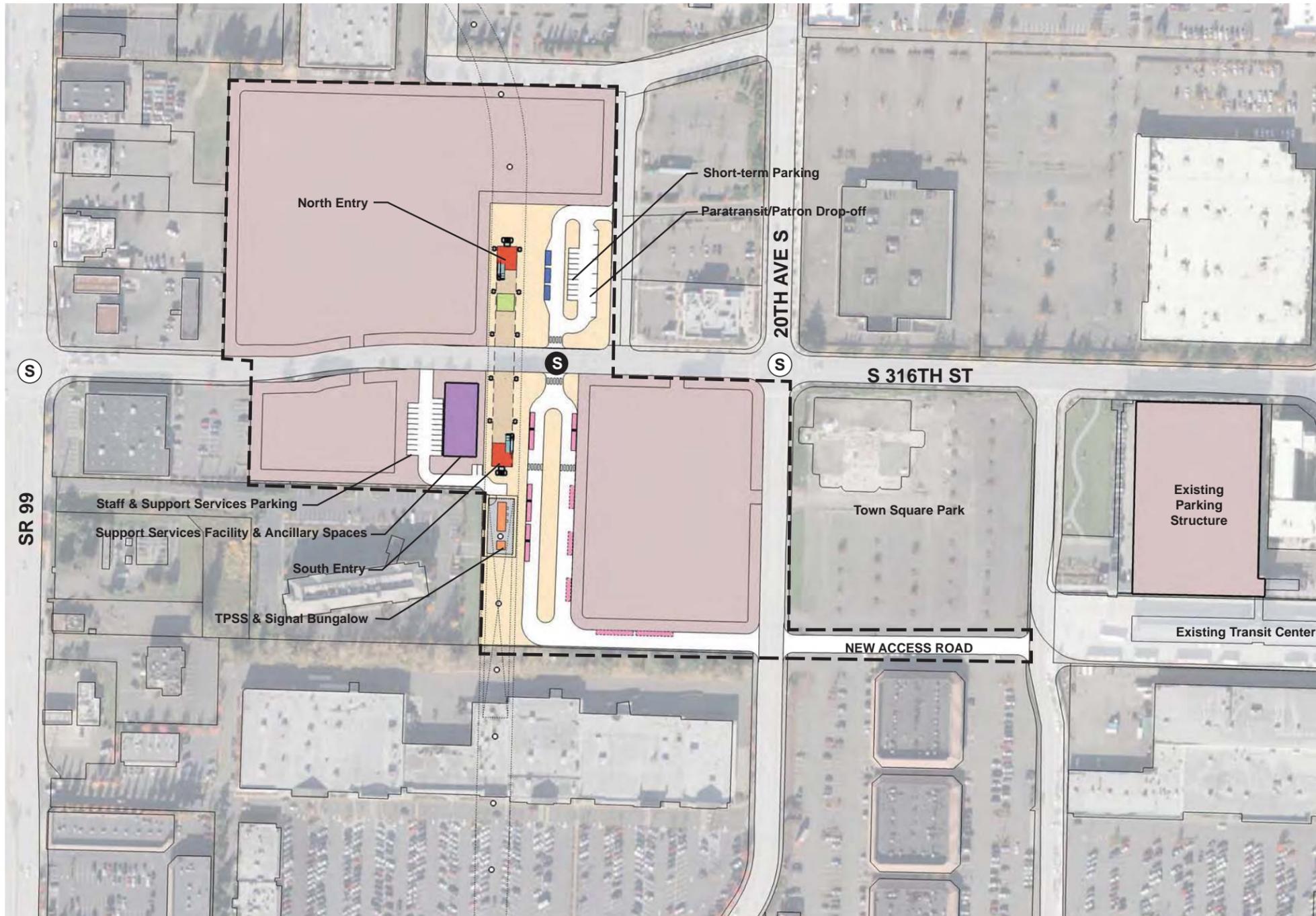
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 FEDERAL WAY SR 99 STATION OPTION
 STA 44+00 TO STA 51+23.50

AUGUST 2016
 SR99-K2-PP16
 151

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING / PARKING
- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)

ASSUMPTIONS:

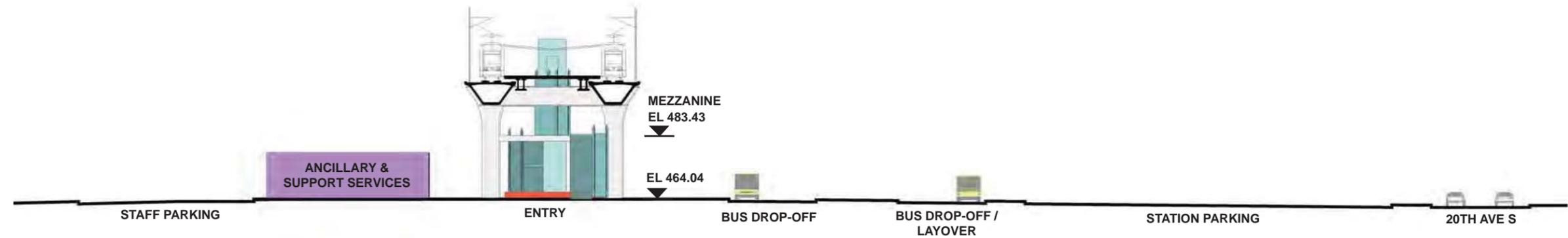
Federal Way SR 99 Station Option	
Alternative(s)	SR 99; I-5 to SR 99
Boardings	8,500
Station Configuration	
Terminus / In-Line	Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Support Services (SF)	5,000
Total Ancillary Spaces (SF)	7,000
Vertical Circulation	
# of entrances	2
# of escalators	4
# of staircases (patron)	4
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	1 bay, two 60' coaches
Rapid Ride	
Bus layover (KCM)	3 bays, one 40' coach each
Bus layover (ST)	1 bay, two 60' coaches
Paratransit spaces	3 spaces
Communications Facility	Tier 3
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Support Services parking	15 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Existing patron parking	1,190 spaces
Additional patron parking	400 spaces
Total proposed patron parking	1590 spaces (structure)



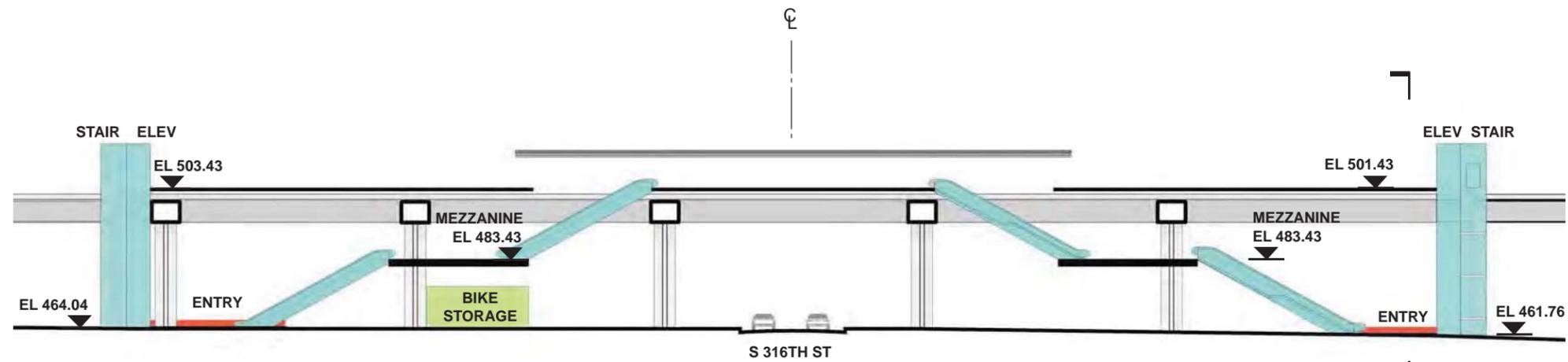
FINAL EIS - CONCEPTUAL DESIGN
 FEDERAL WAY SR 99 STATION OPTION
 SITE PLAN

AUGUST 2016
 FWLE_S99_AP008
 152

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | |
|--|--|
|  STATION PLAZA |  BUS LAYOVER |
|  VERTICAL CIRCULATION |  BUS PICK-UP / DROP OFF |
|  TICKETING / ENTRY HALL |  PARATRANSIT |
|  PLATFORM |  BICYCLE STORAGE |
|  ANCILLARY SPACES |  CONSTRUCTION STAGING / PARKING |
|  TPSS | |



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FINAL EIS - CONCEPTUAL DESIGN
 FEDERAL WAY SR 99 STATION OPTION
 SECTIONS

AUGUST 2016

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