Federal Way Link Extension

Draft Environmental Impact Statement

CONCEPTUAL DESIGN DRAWINGS

Appendix F



Central Puget Sound Regional Transit Authority



U.S. Department of Transportation Federal Transit Administration

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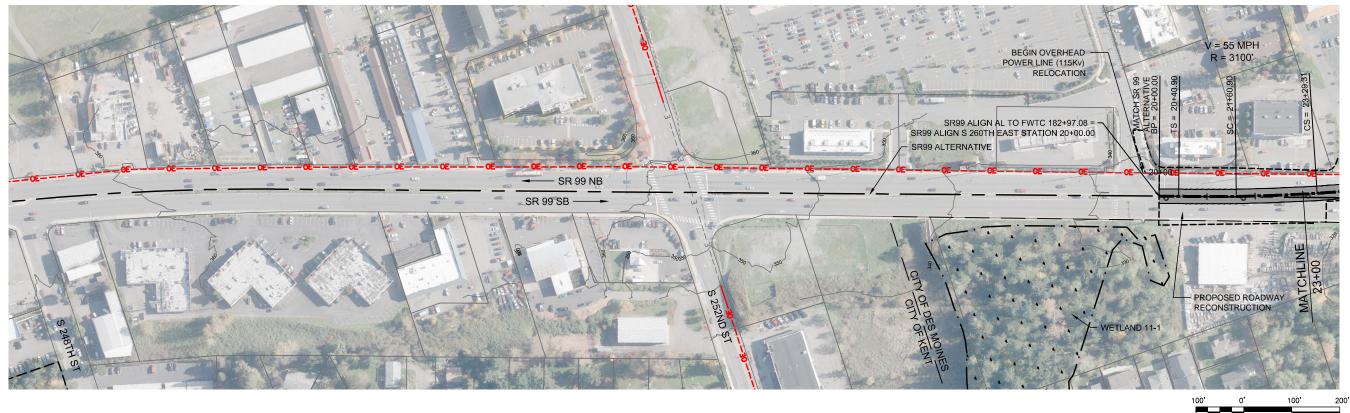
I-5 to SR 99 Alternative: pp. 152-160

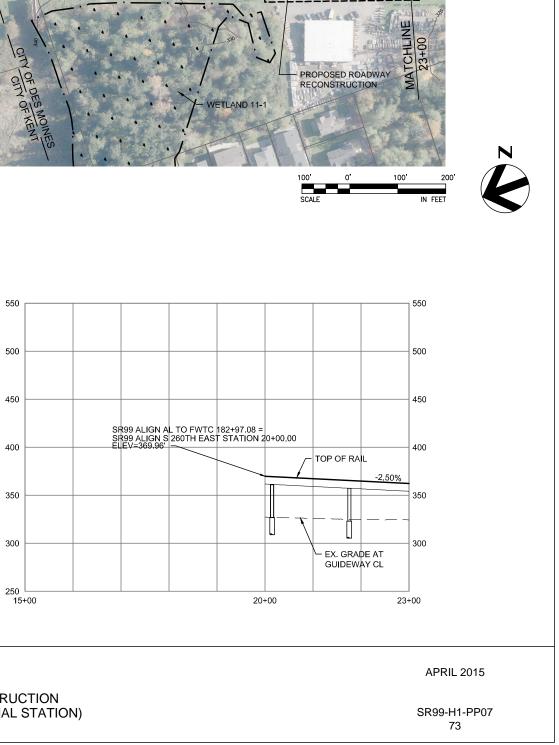
S 260th West Station Option: pp. 161-163

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DRAFT EIS - CONCEPTUAL DESIGN SR 99 ALTERNATIVE

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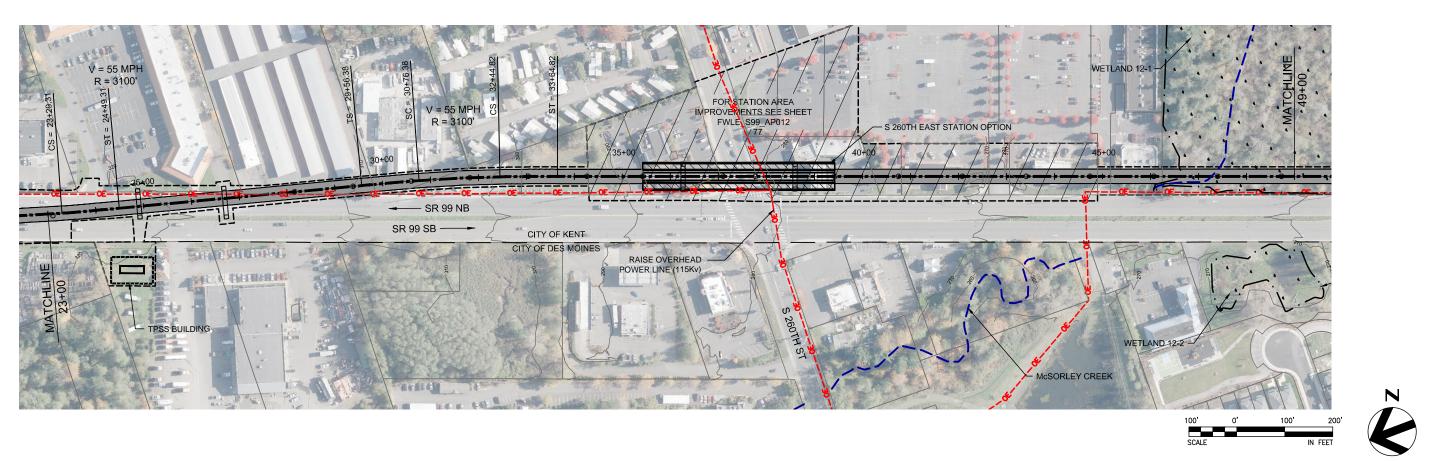


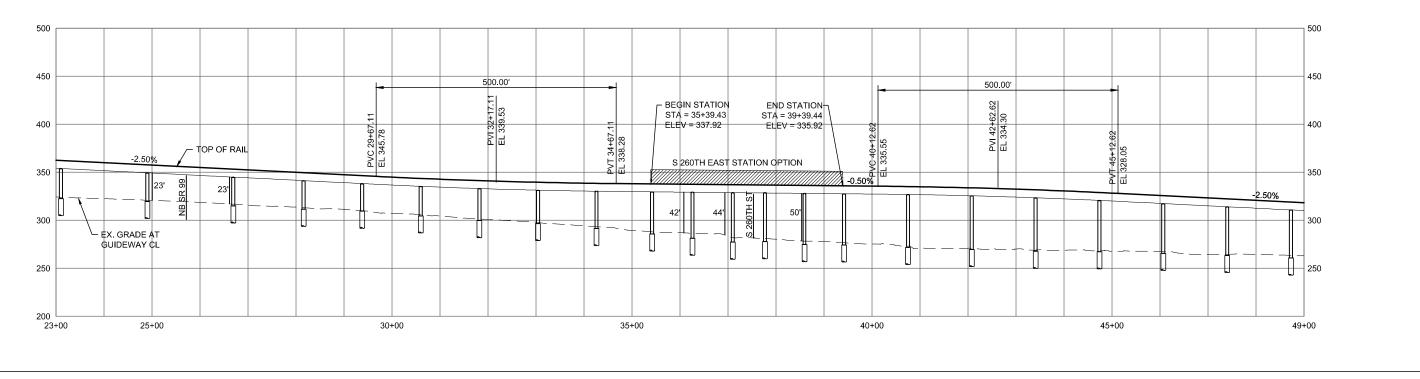




DRAFT EIS - CONCEPTUAL DESIGN

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



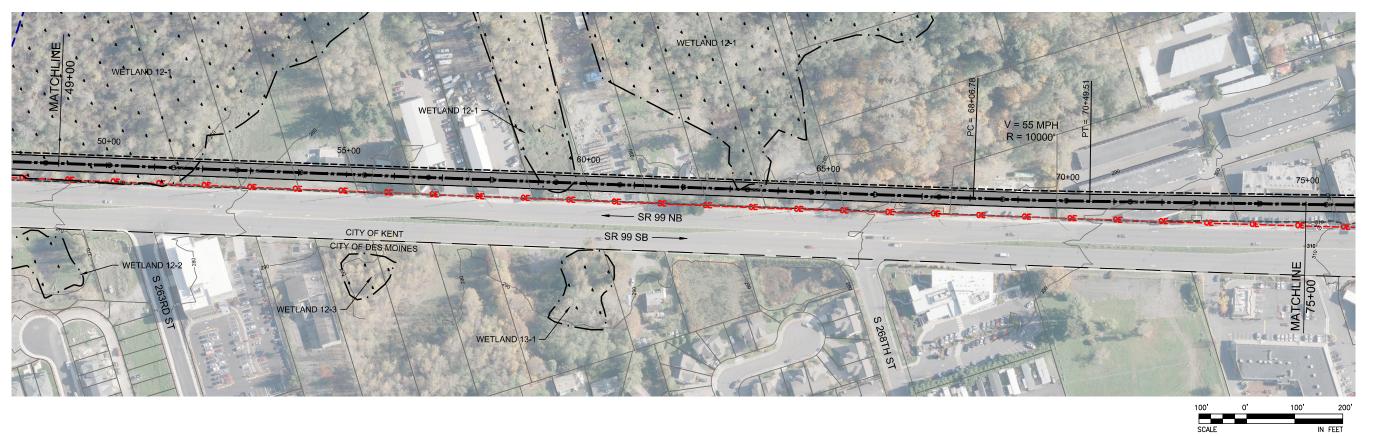


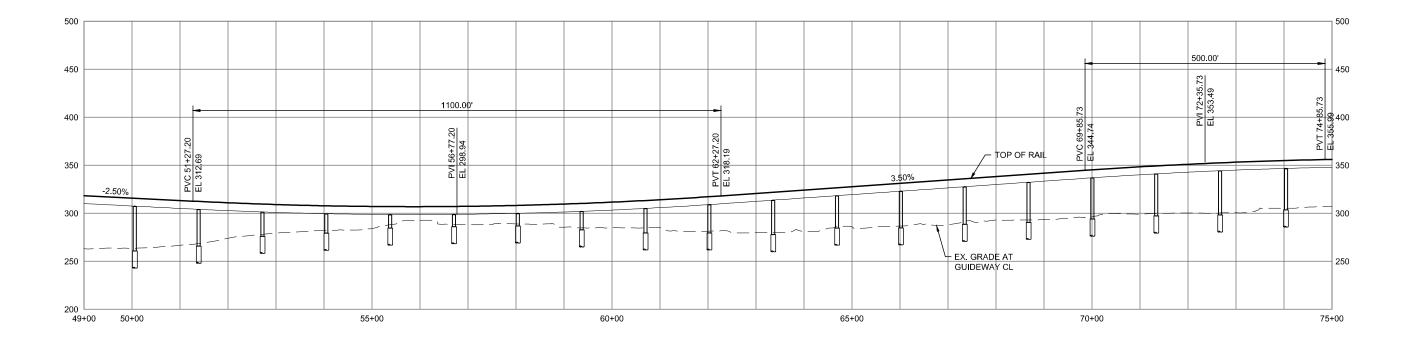
SOUNDTRANSIT

DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION) STA 23+00 TO STA 49+00 APRIL 2015

SR99-H2-PP08 74





SOUNDTRANSIT

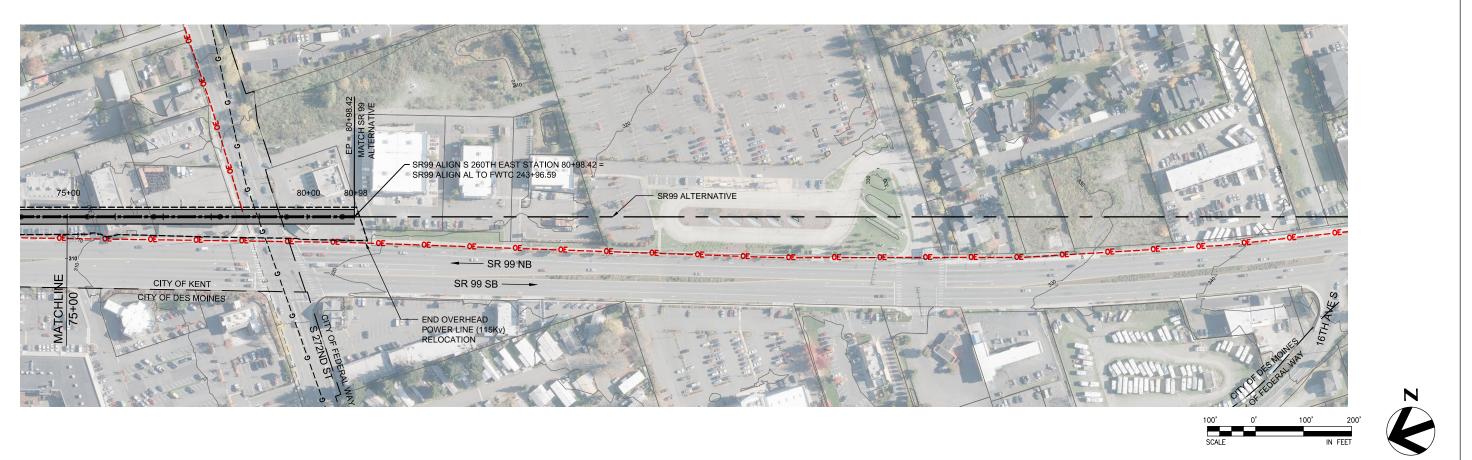
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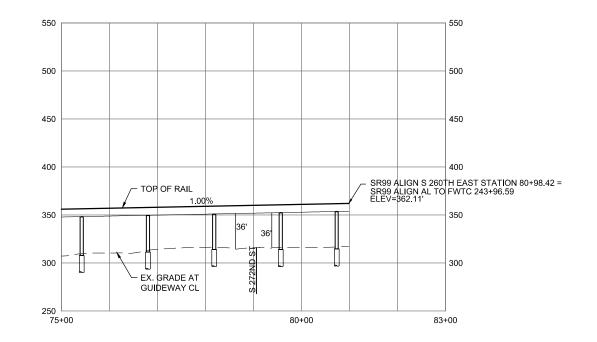
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION) STA 49+00 TO STA 75+00



APRIL 2015

SR99-H3-PP09 75





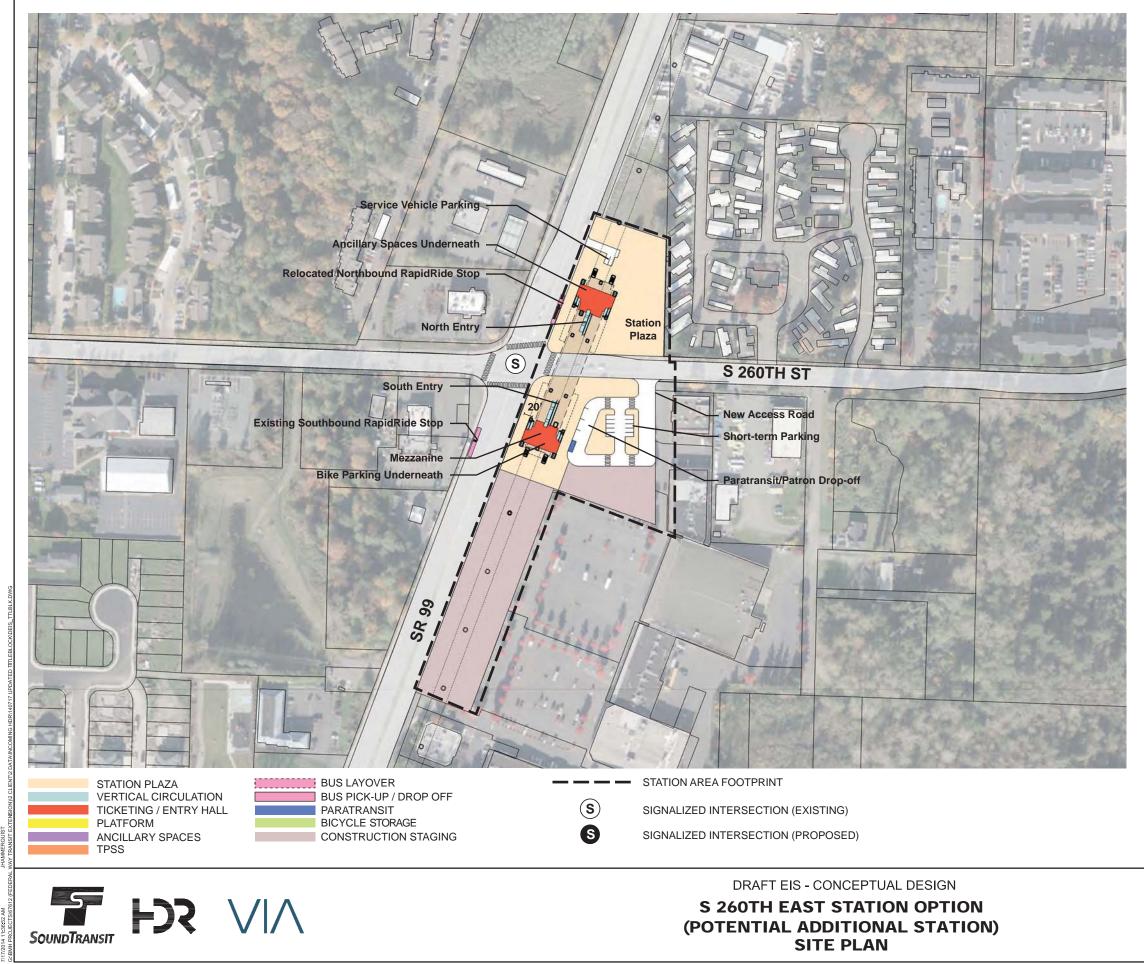
SOUNDTRANSIT

DRAFT 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

APRIL 2015

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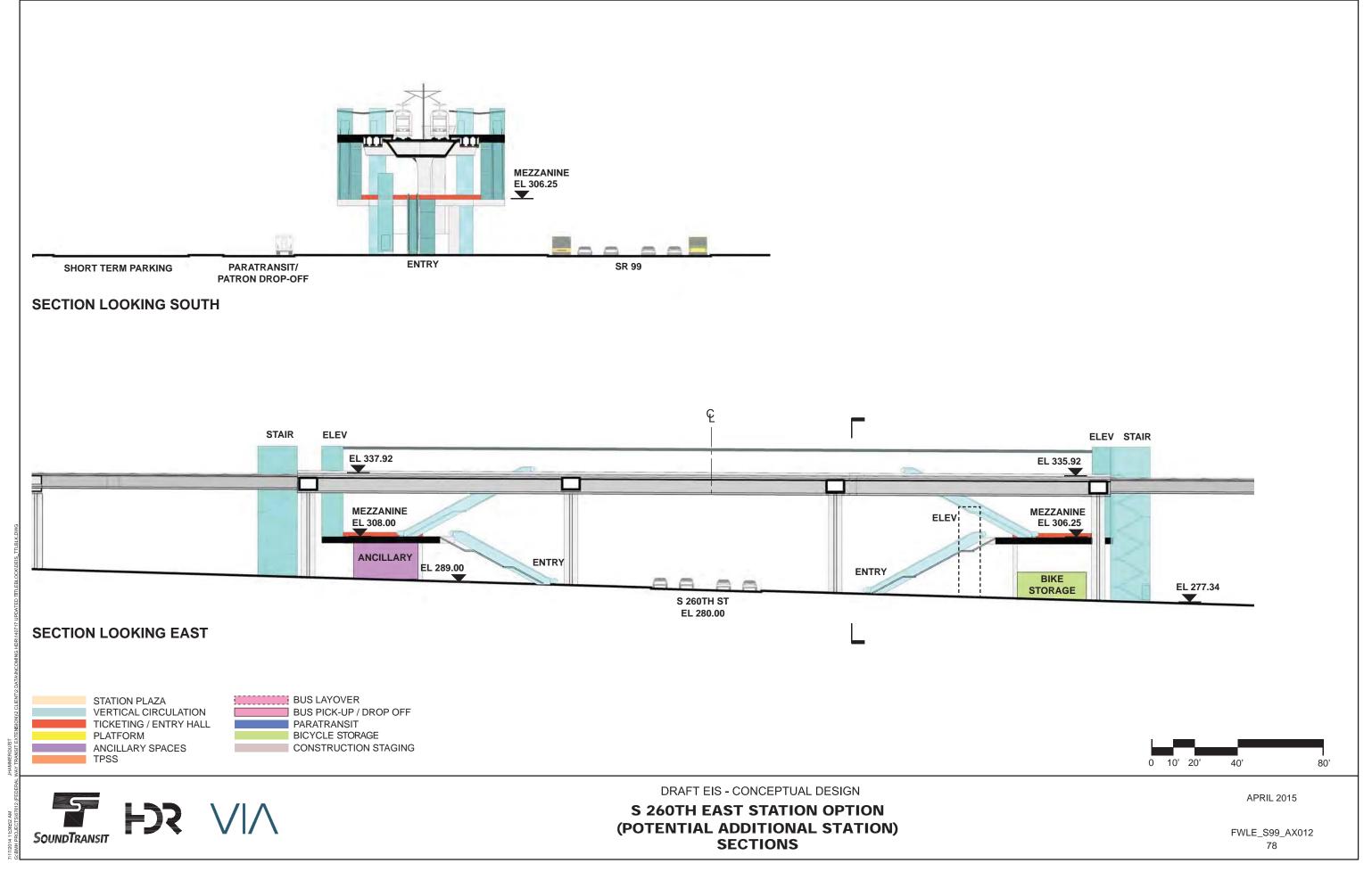


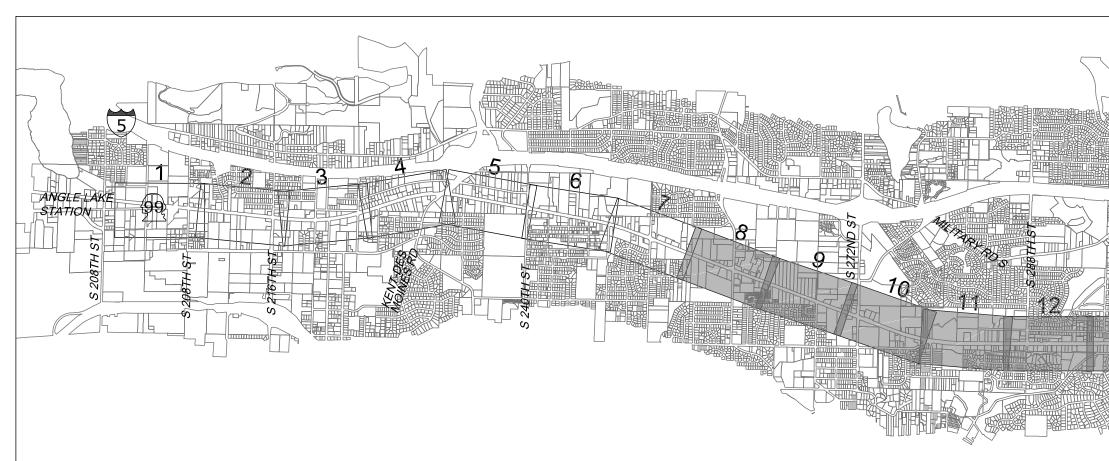
S 260th East Station Option	
Alternative(s)	SR 99; I-5 to SR 99
Boardings	1,000
Station Configuration	
Terminus / In-Line	In-Line
Station Type	Side Platform - Elevated
Platform Width	14'
Tail track	N/A
Crossover	TBD
TPSS	No
Program	
KC Metro Ancillary Spaces (SF)	N/A
ST Ancillary Spaces (SF)	1,200
Total 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/emer. vehicle park.	2 spaces, combined
Signal bungalow / TPSS park.	N/A
Patron parking	N/A



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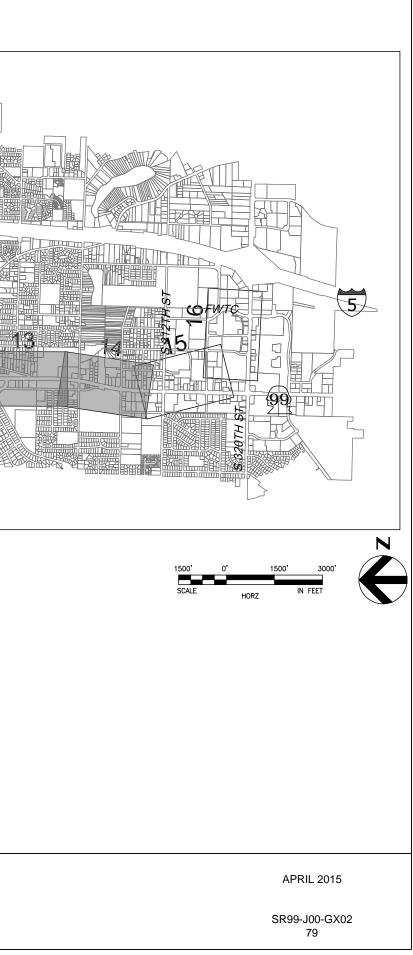


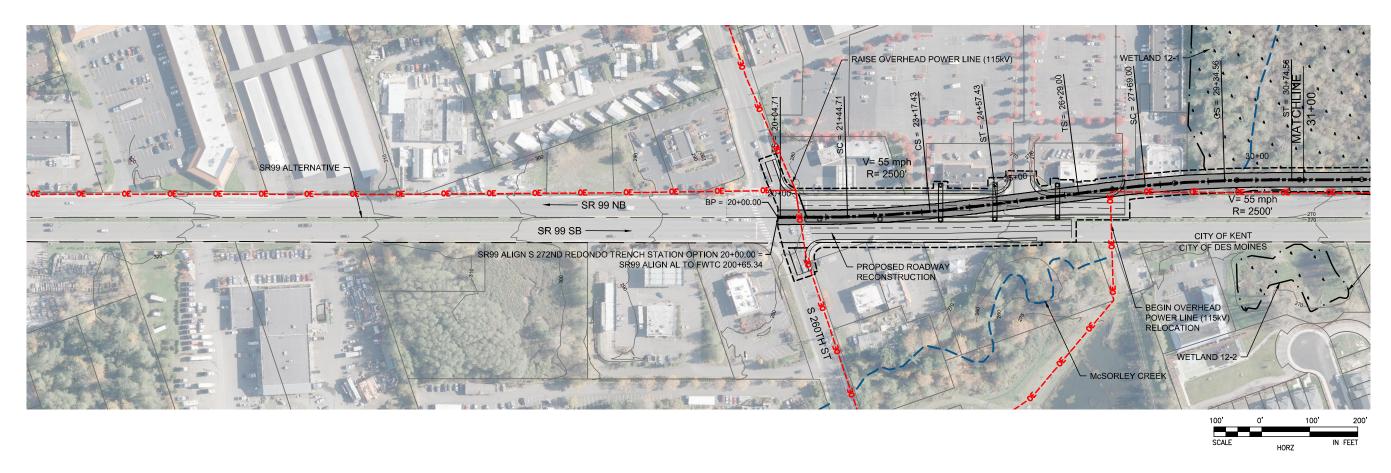
			SR99 SI	HEET LA	YOUT M	ATRIX										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	x	x	x	x	x	x	x	х	x	х	х	х	х	x	x	x
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	Х	x	x													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		х	х													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				х	х	х										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				х	х	х	х									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			х	х	х	х	х									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						х	х	Х	х	х						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					x	х	х	x	x							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							х	х	x	х						
J - S 272ND REDONDO TRENCH STATION OPTION								Х	Х	X	X	X	X	Х		
K - FEDERAL WAY SR 99 STATION OPTION															x	x

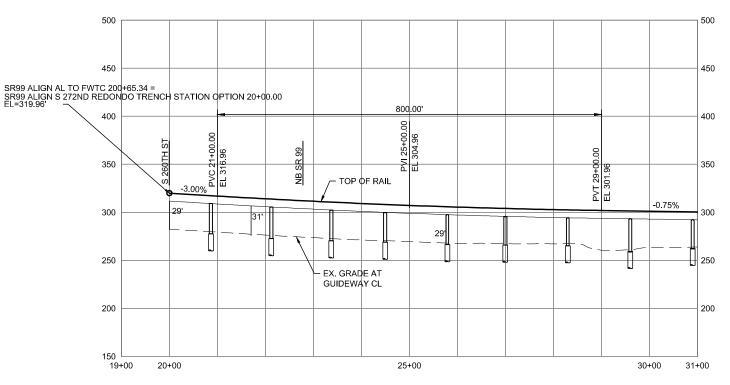
I - NOT USED



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







DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN AND PROFILE S 272ND REDONDO TRENCH STATION OPTION STA 20+00 TO STA 31+00

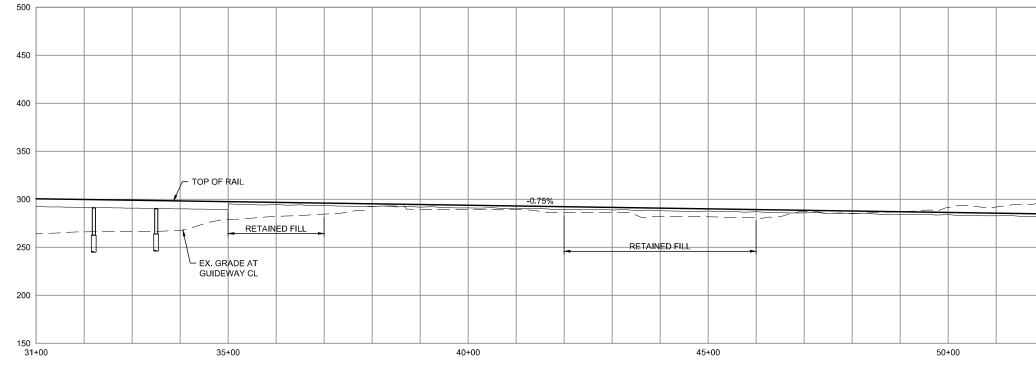


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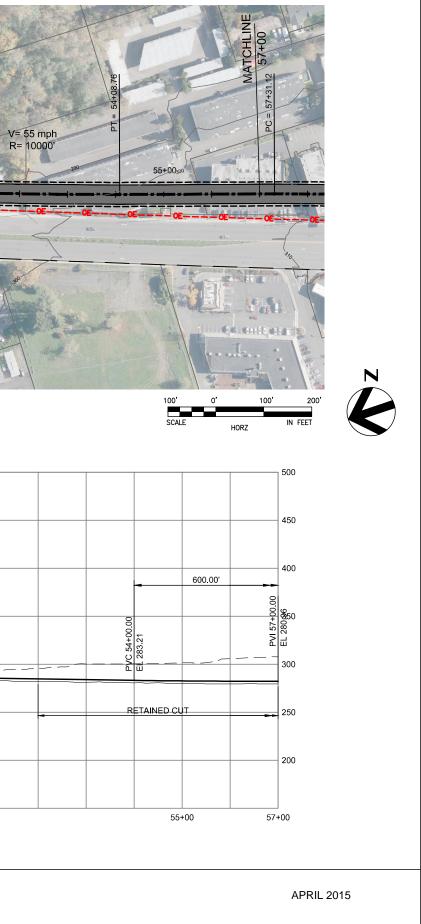




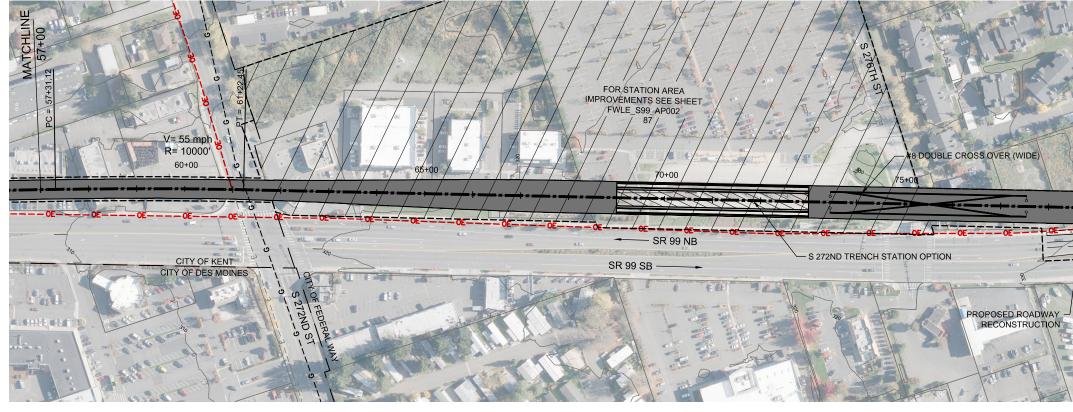
SOUNDTRANSIT

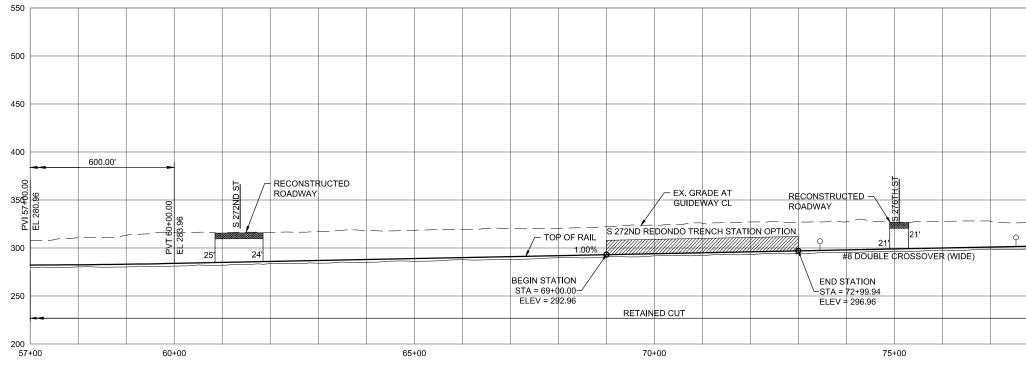
DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN AND PROFILE S 272ND REDONDO TRENCH STATION OPTION STA 31+00 TO STA 57+00



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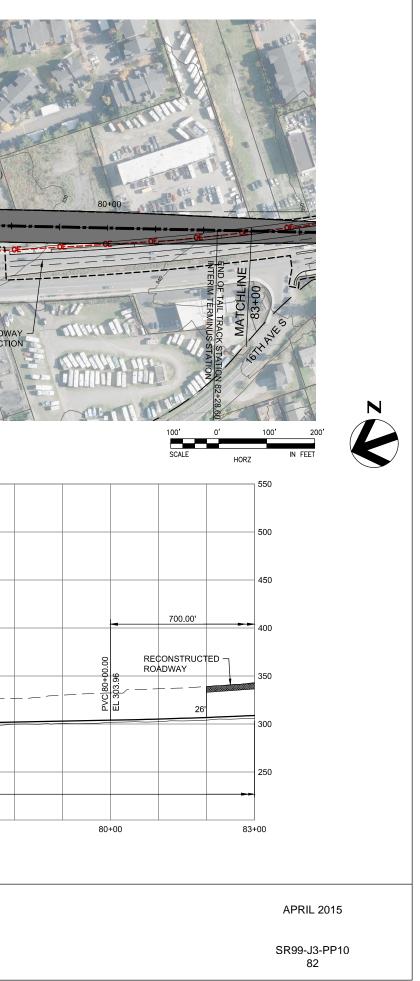


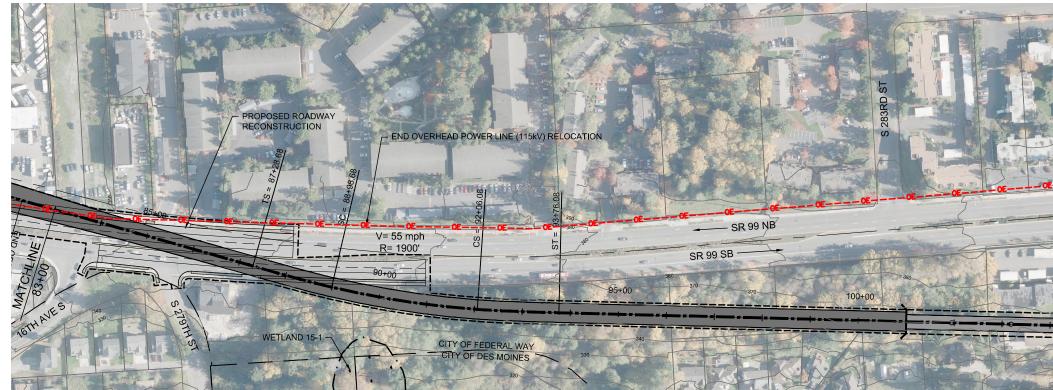


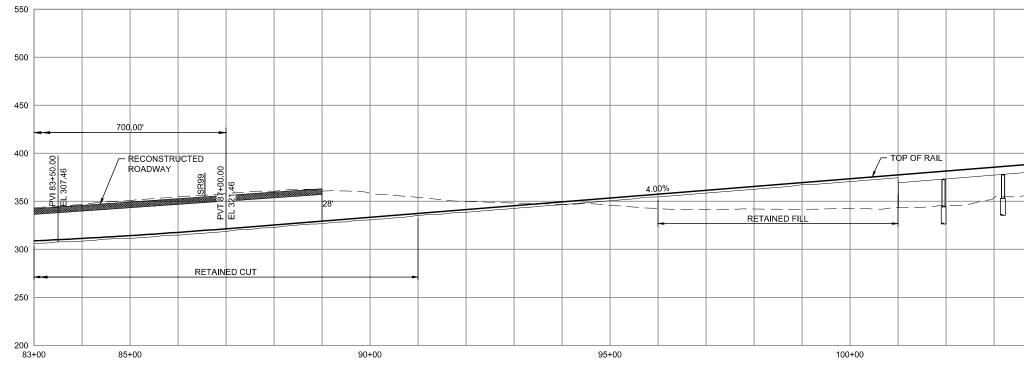


DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN AND PROFILE S 272ND REDONDO TRENCH STATION OPTION STA 57+00 TO STA 83+00



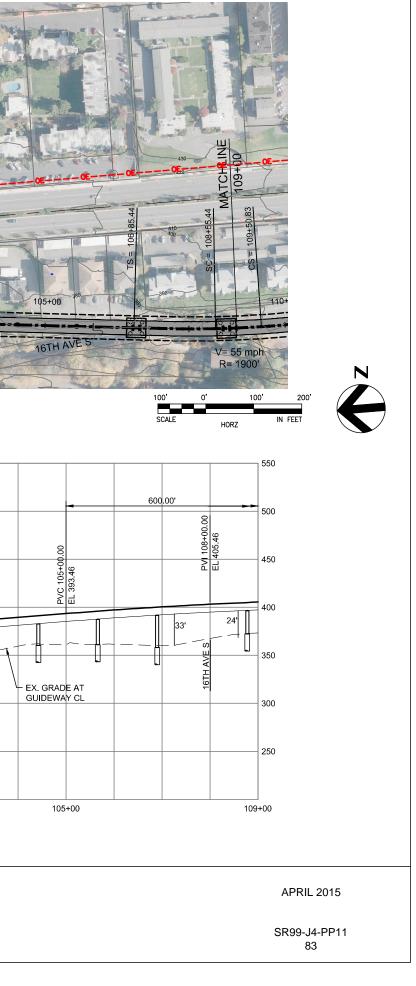


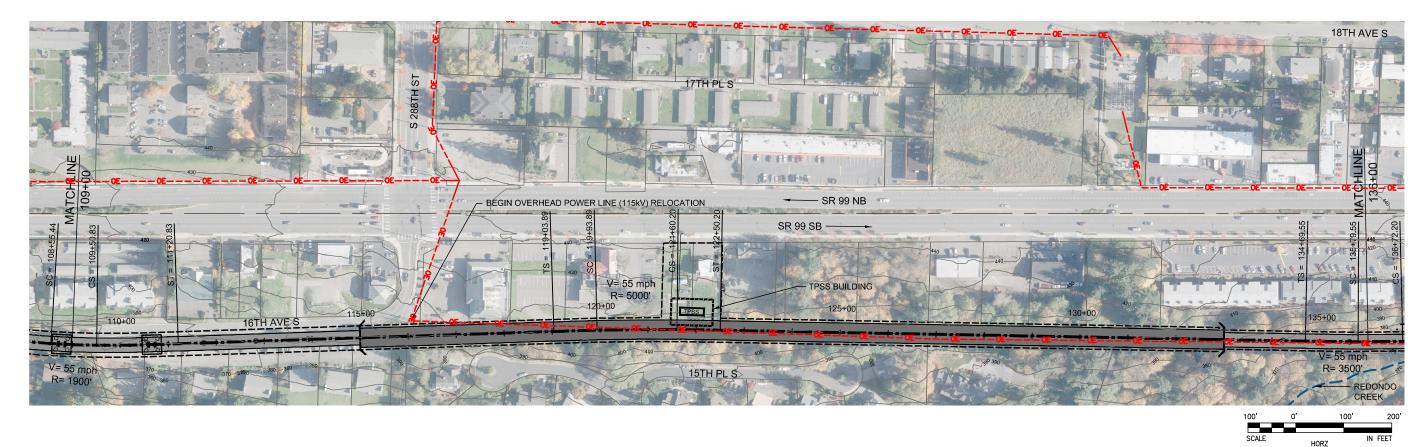


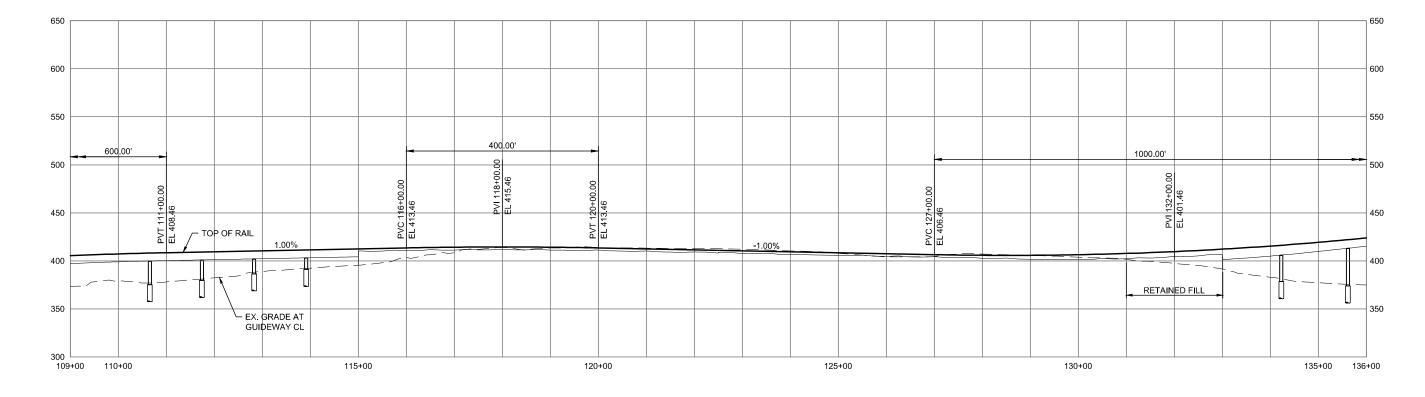


DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN AND PROFILE S 272ND REDONDO TRENCH STATION OPTION STA 83+00 TO STA 109+00







SoundTransit

FSS

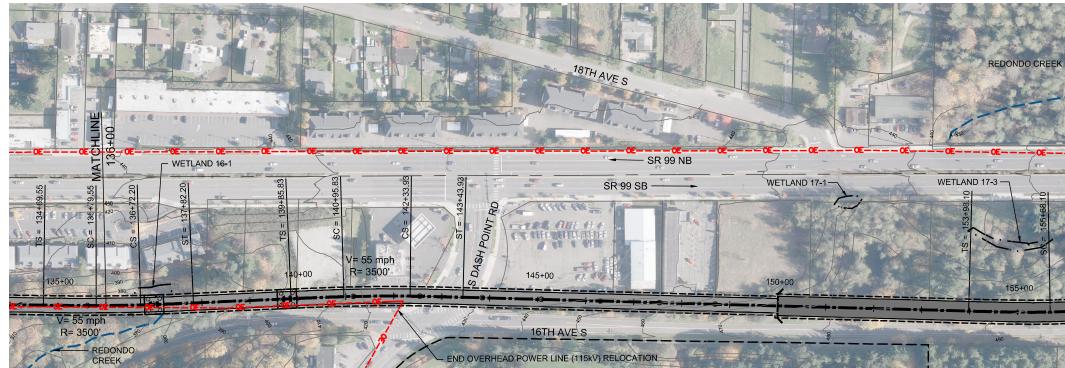
DRAFT EIS - CONCEPTUAL DESIGN

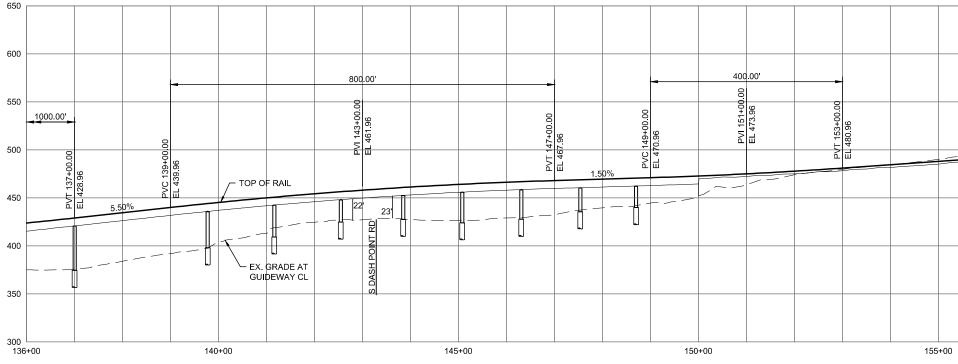
TRACK PLAN AND PROFILE S 272ND REDONDO TRENCH STATION OPTION STA 109+00 TO STA 136+00

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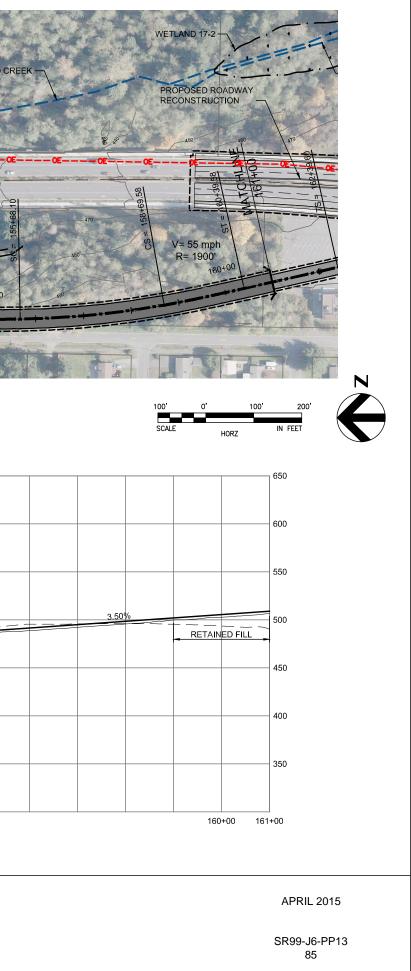


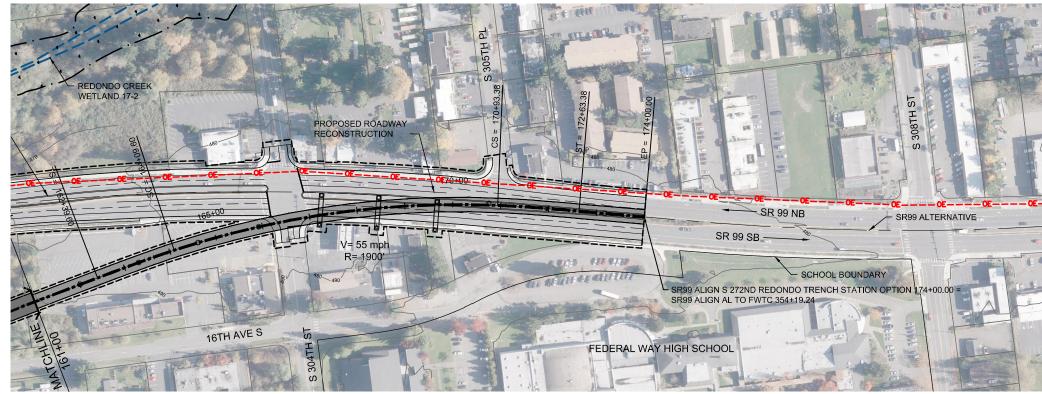


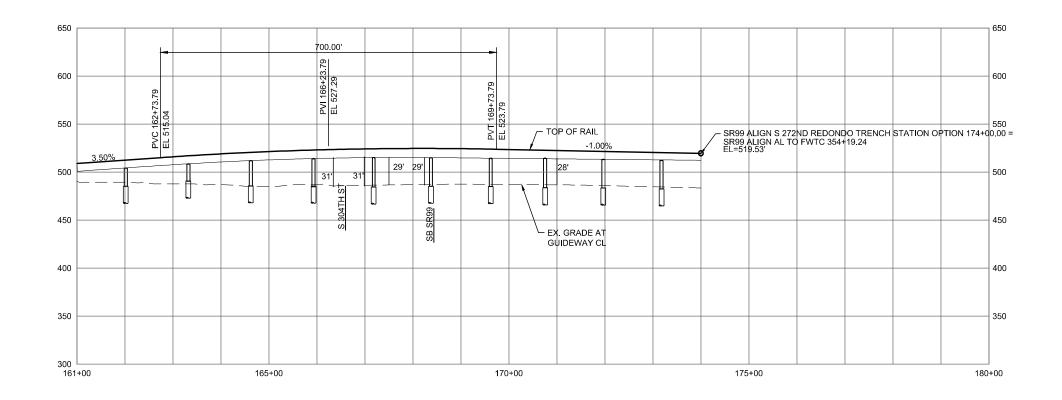
SoundTransit

DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN AND PROFILE S 272ND REDONDO TRENCH STATION OPTION STA 136+00 TO STA 161+00









DRAFT EIS - CONCEPTUAL DESIGN

TRACK PLAN AND PROFILE S 272ND REDONDO TRENCH STATION OPTION STA 161+00 TO STA 174+00







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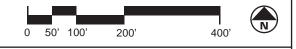
SR99-J7-PP14 86



SITE PLAN

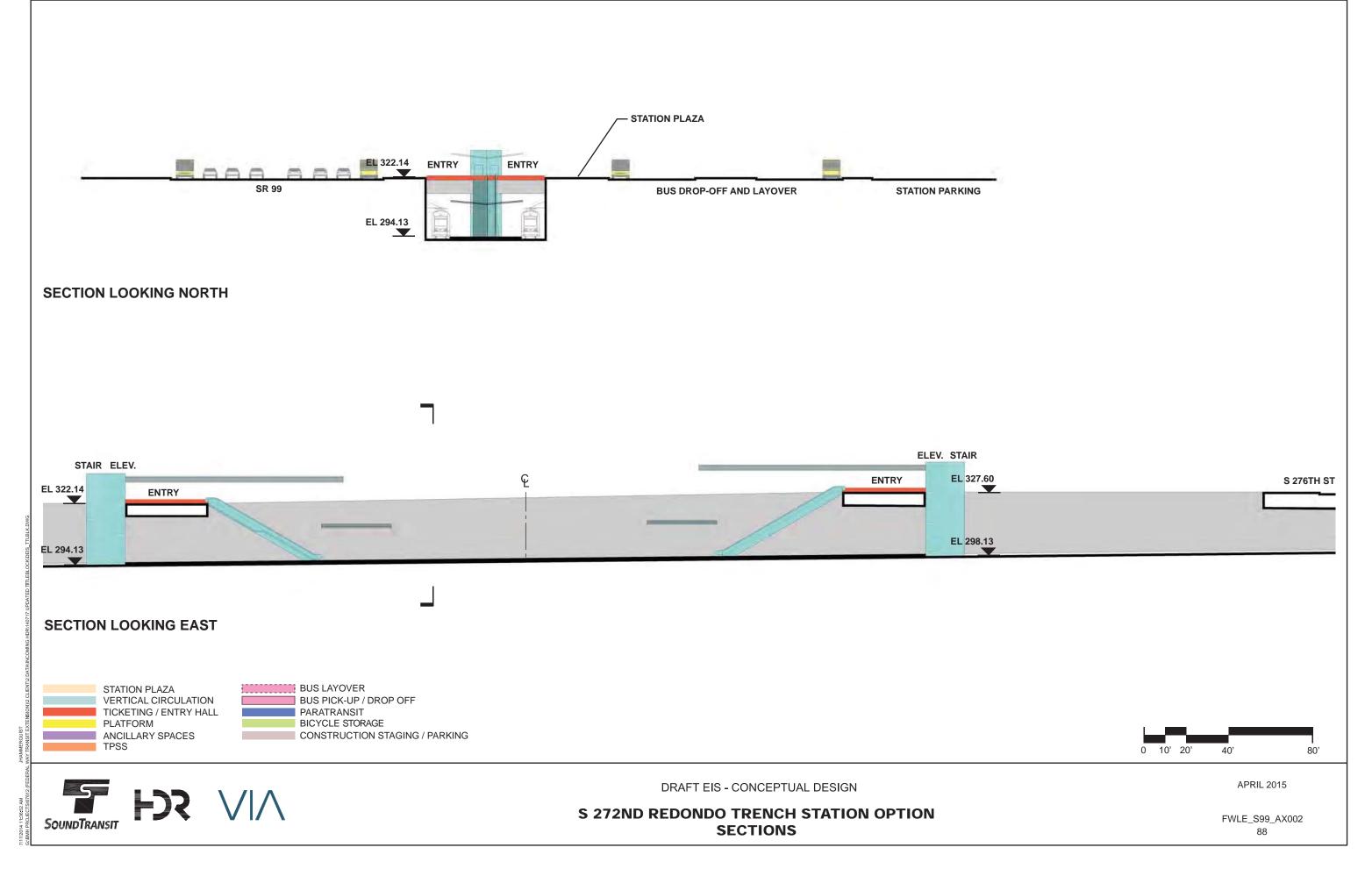
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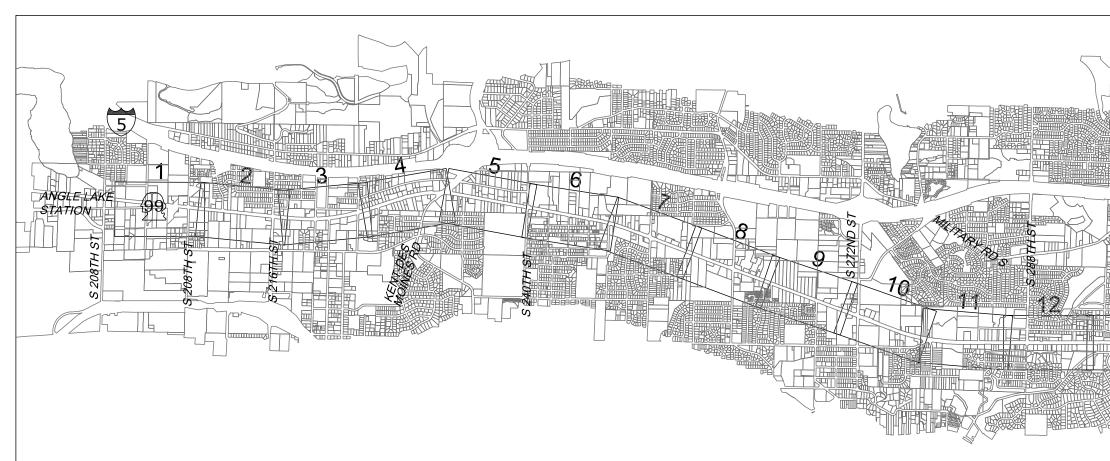
S 272nd Redondo Trench Station	
Alternative(s)	SR 99
Boardings	1,500
Boardings (interim terminus)	3,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Trench
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
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/emer. 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)



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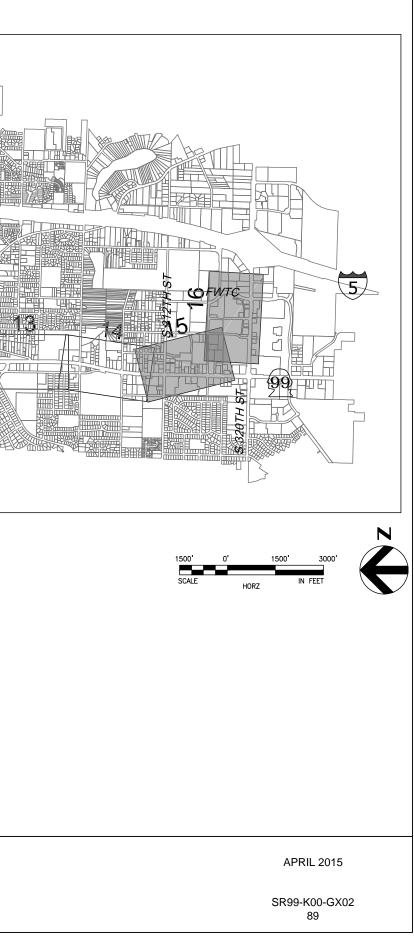


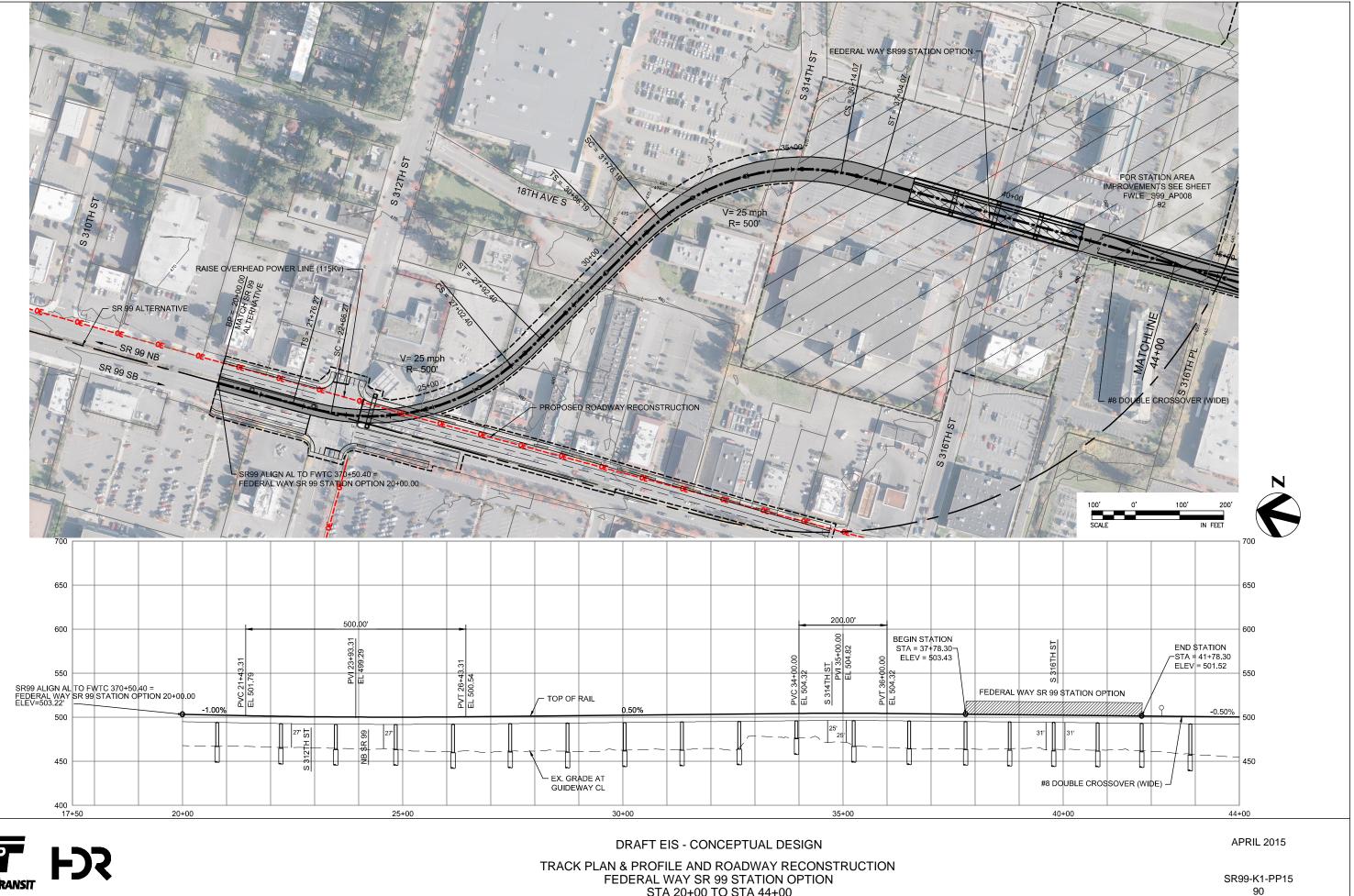
			SR99 SI	HEET LA	YOUT M	ATRIX										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A - SR 99 ALTERNATIVE	x	x	x	x	х	x	x	х	x	x	x	x	x	x	x	x
B - S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)	Х	х	x													
C - S 216TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)		х	Х													
D - KENT/DES MOINES SR 99 MEDIAN STATION OPTION				х	х	х										
E - KENT/DES MOINES SR 99 EAST STATION OPTION				х	Х	х	Х									
F - KENT/DES MOINES HC CAMPUS STATION OPTION			Х	х	Х	х	Х									
F - KDM HC CAMPUS OPTION FROM S 216TH WEST STATION OPTION						х	х	Х	х	х						
G - S 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)					х	х	х	Х	Х							
H - S 260TH EAST STATION OPTION (POTENTIAL ADDITIONAL STATION)							Х	Х	х	х						
J - S 272ND REDONDO TRENCH STATION OPTION								Х	х	х	х	х	х	х		
K - FEDERAL WAY SR 99 STATION OPTION															х	X



DRAFT EIS - CONCEPTUAL DESIGN

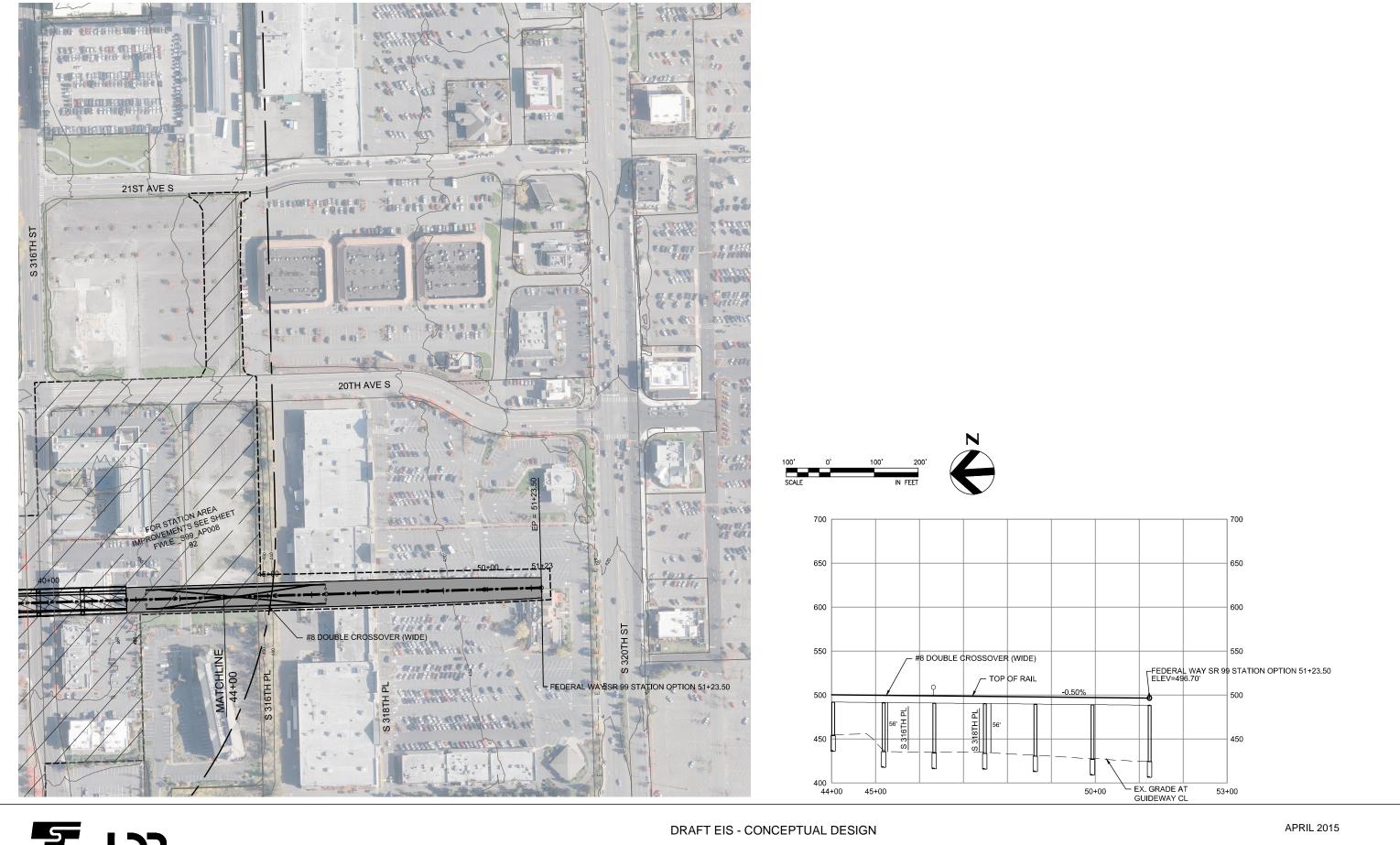
FEDERAL WAY SR 99 STATION OPTION SHEET INDEX KEYMAP





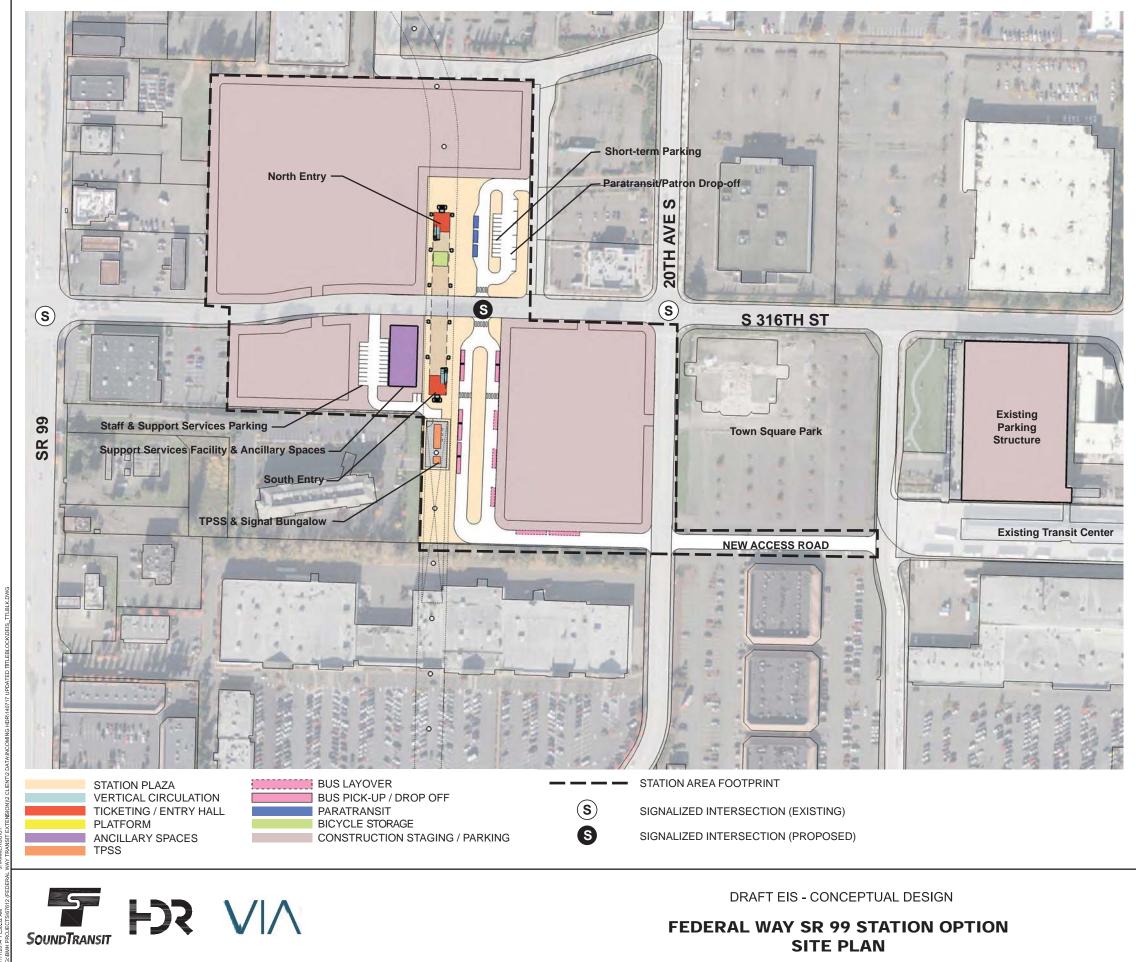


TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION FEDERAL WAY SR 99 STATION OPTION STA 20+00 TO STA 44+00



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

SR99-K2-PP16 91



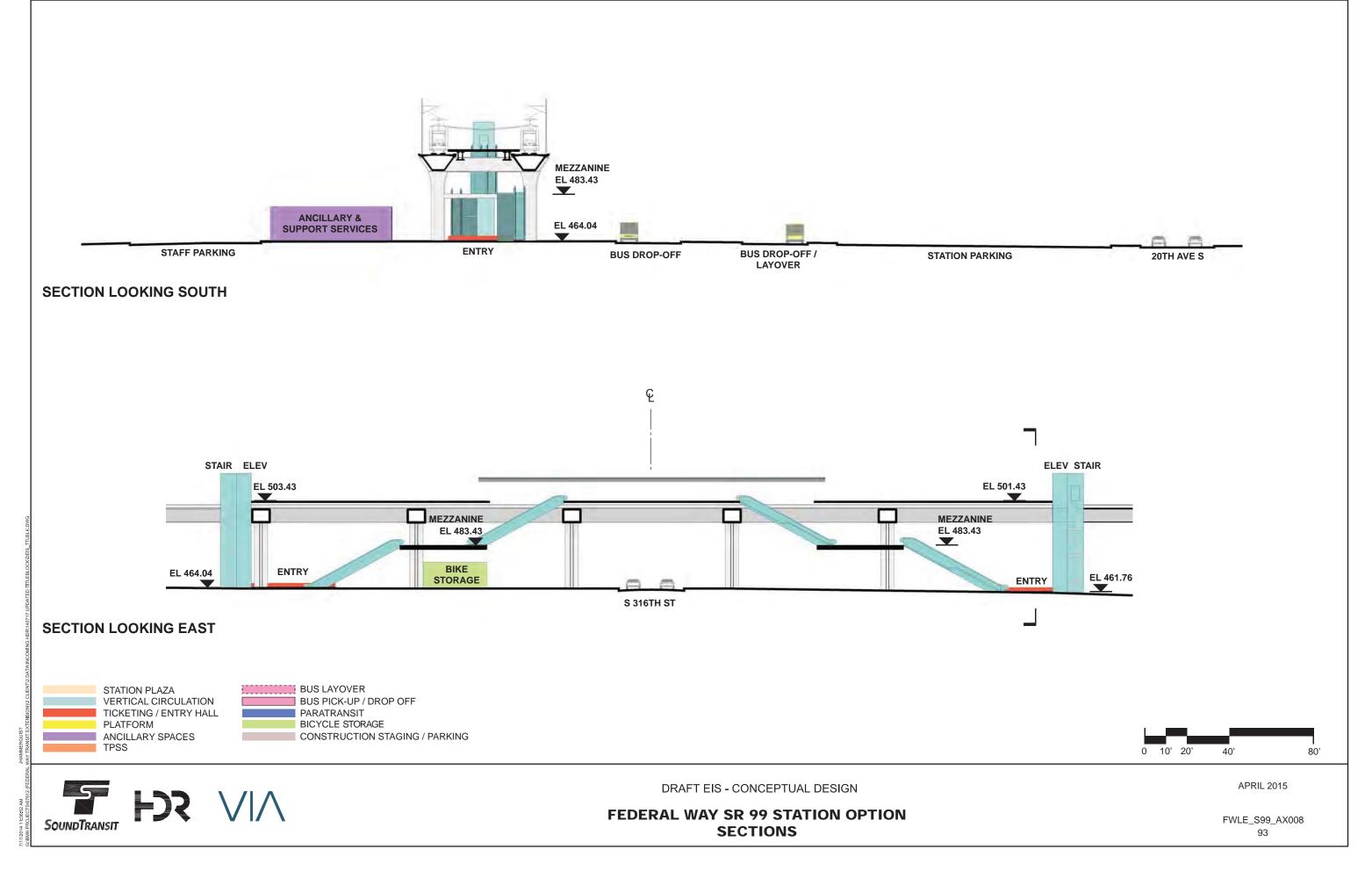
ASSUMPTIONS:

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							
Due europe								
Program	200							
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							
in or entergency starts								
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							
Derking 9 Amonities								
Parking & Amenities	900 SF							
Bike storage Patron drop-off								
•	6 spaces							
Short-term patron parking	7 to 10 spaces							
Staff parking	4 spaces							
Support Services parking	15 spaces							
Service/emer. 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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