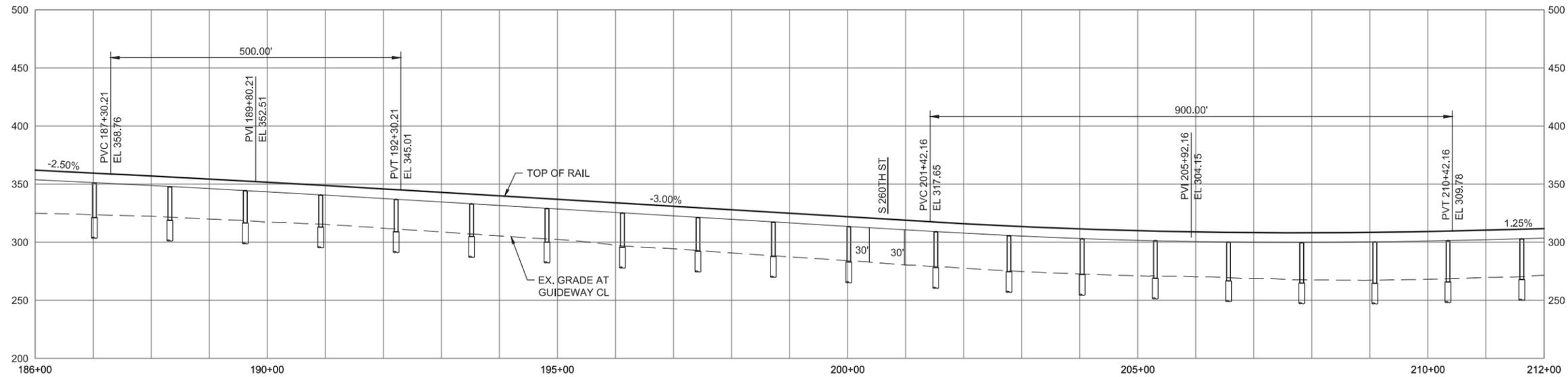
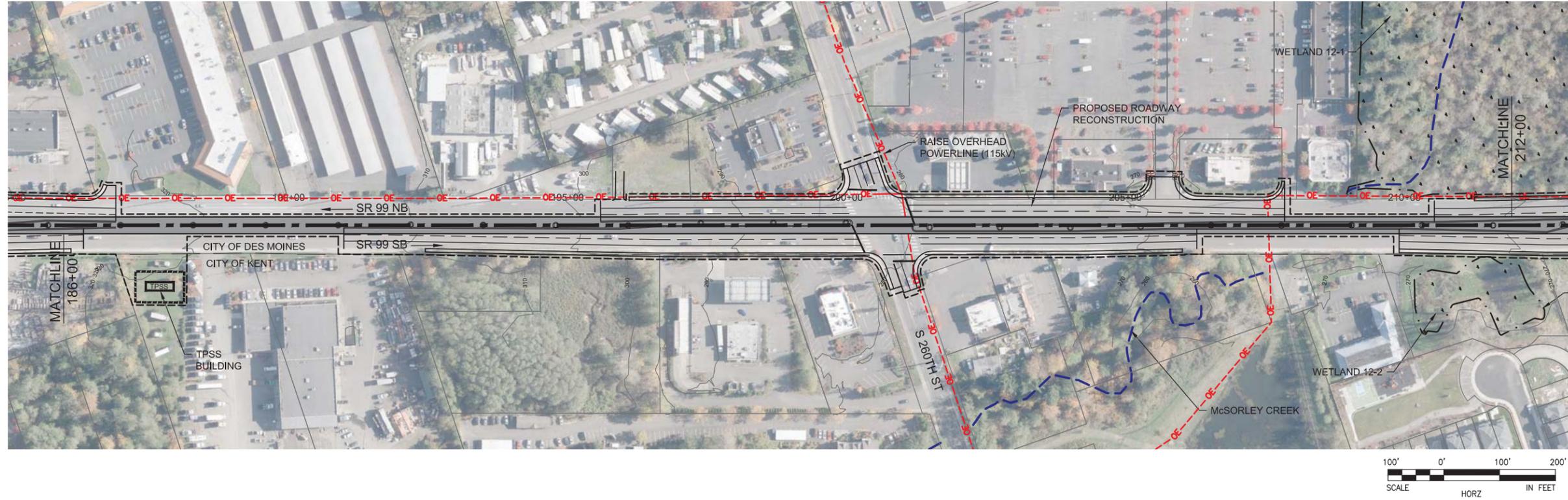


SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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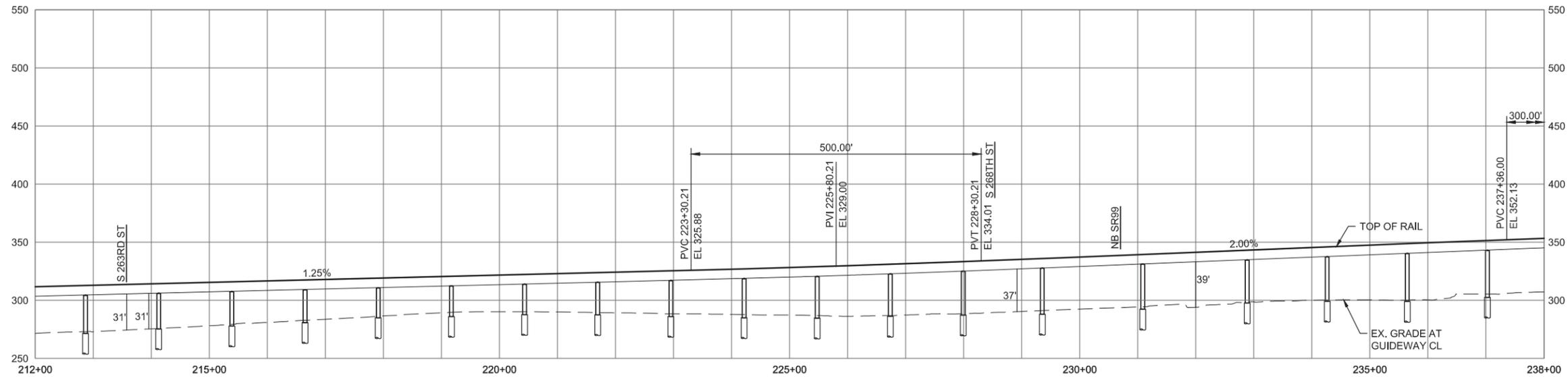
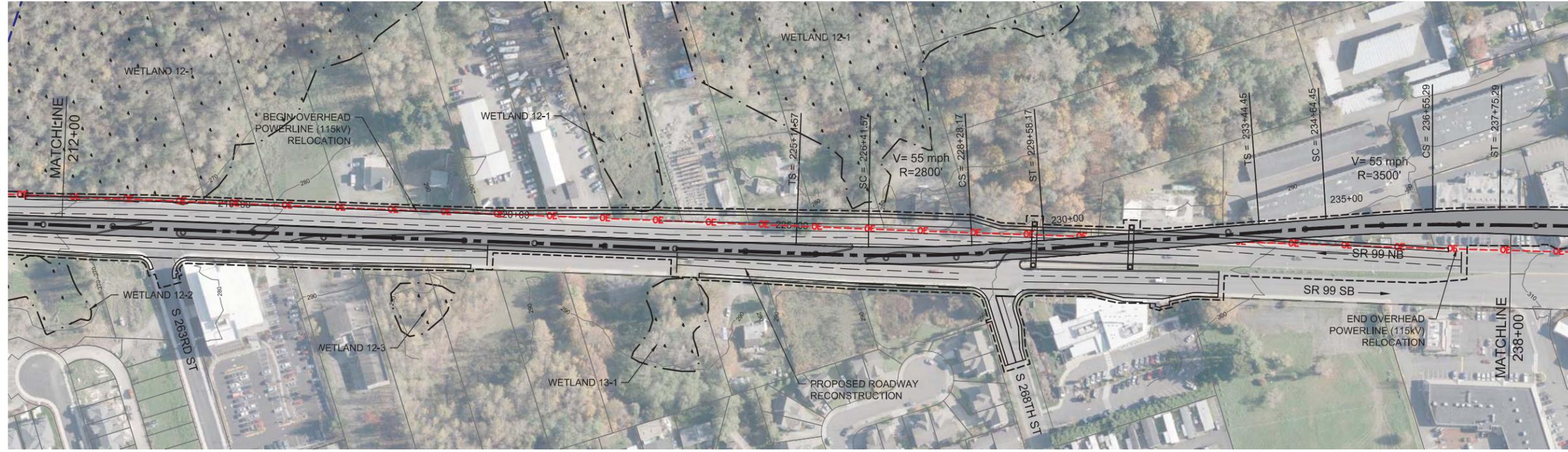


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 186+00 TO STA 212+00

AUGUST 2016

SR99-A8-PP08
71

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



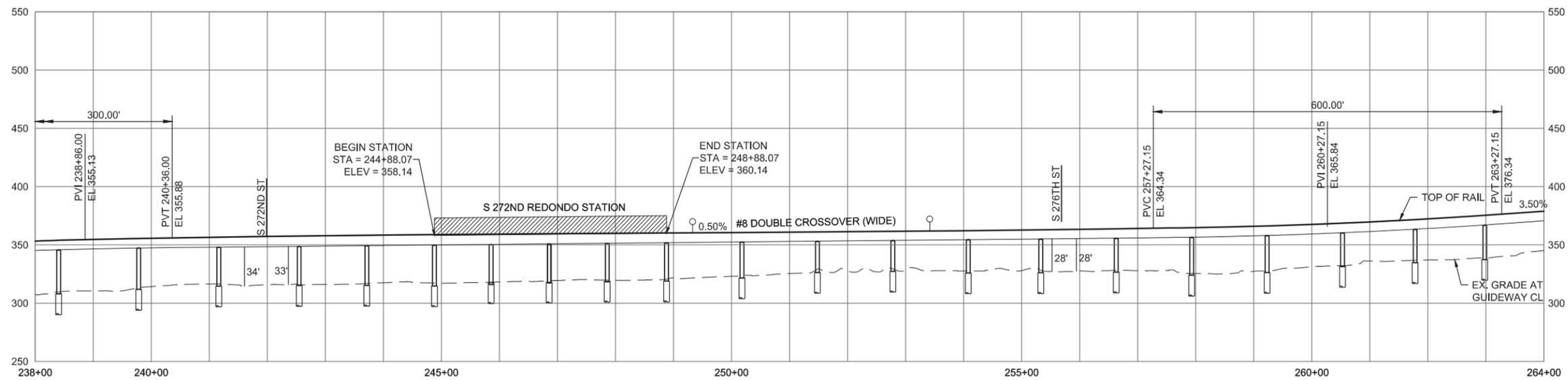
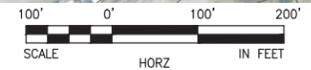
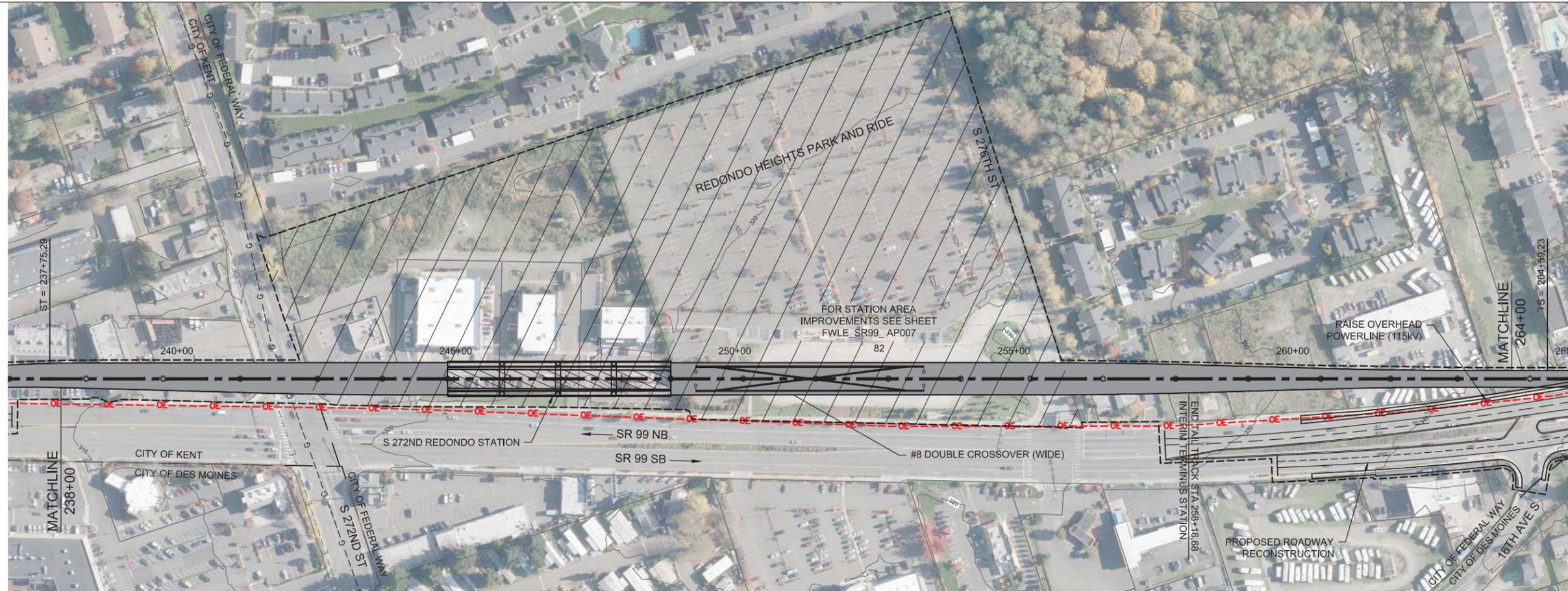
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 212+00 TO STA 238+00

AUGUST 2016
 SR99-A9-PP09
 72

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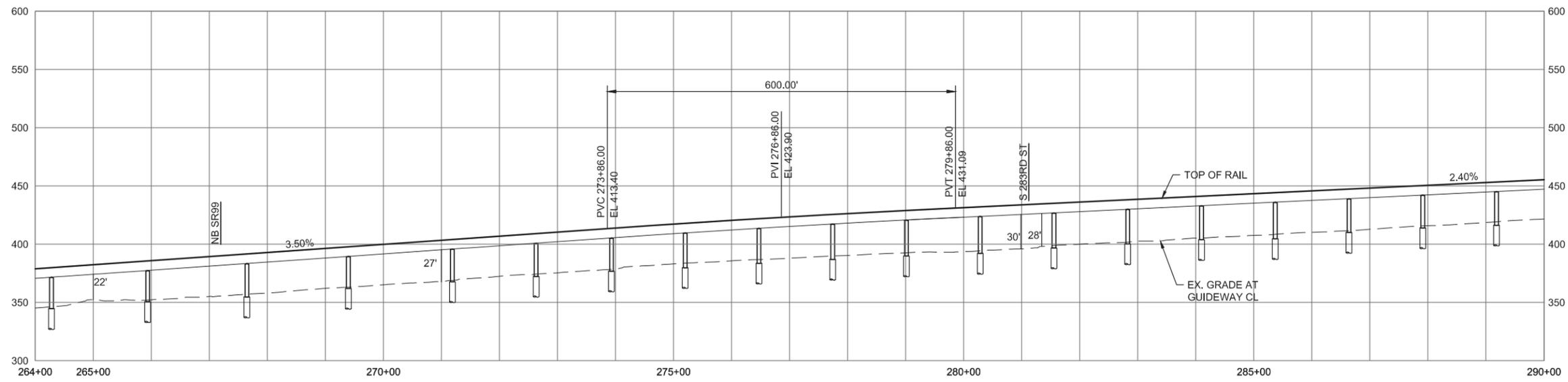
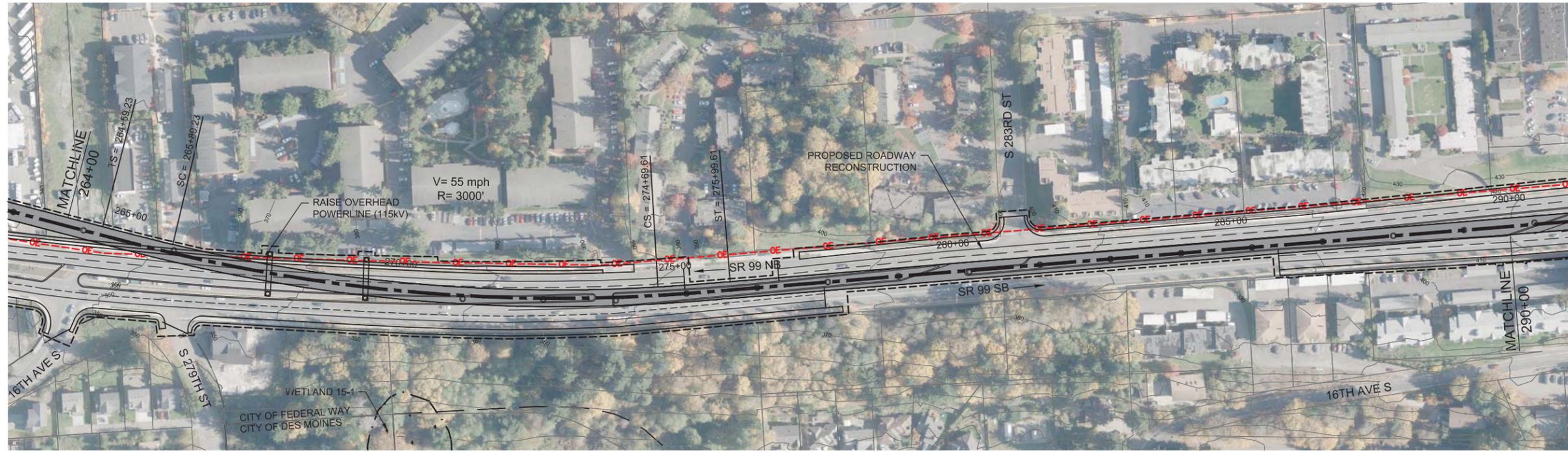
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 238+00 TO STA 264+00

AUGUST 2016
 SR99-A10-PP10
 73

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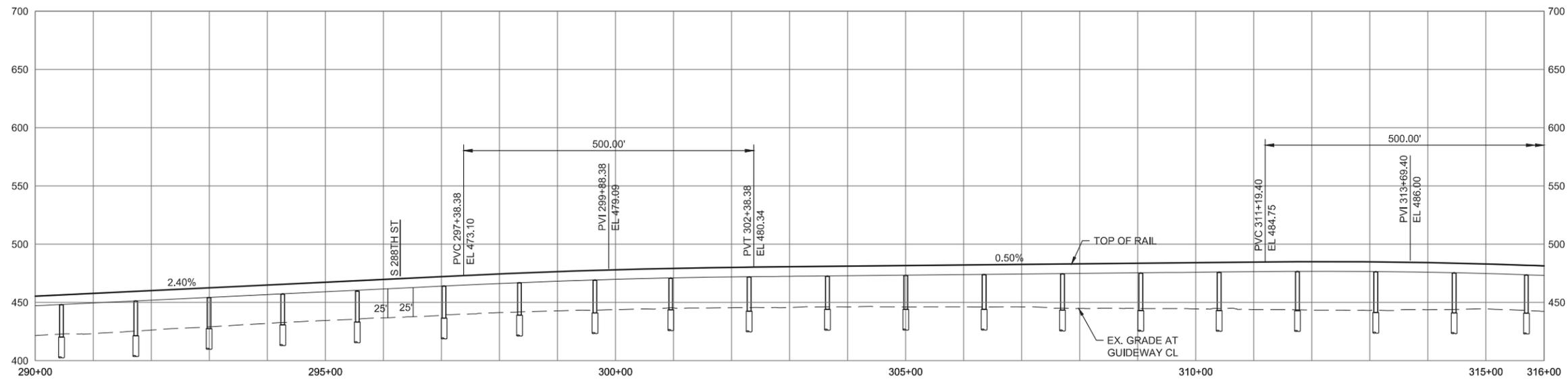
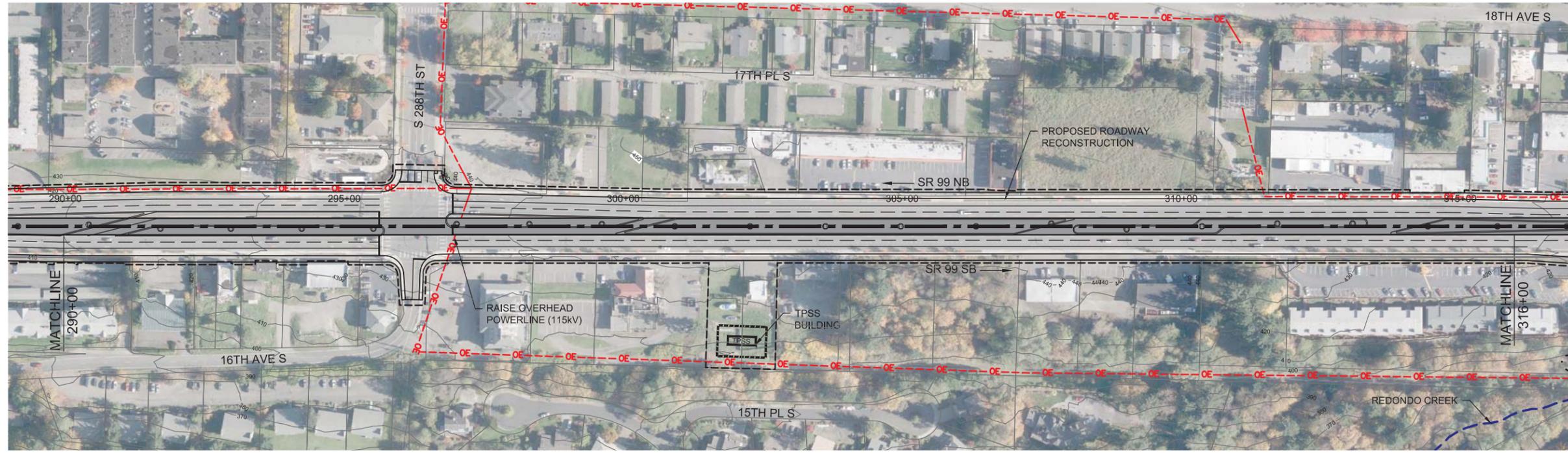
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 264+00 TO STA 290+00

AUGUST 2016
 SR99-A11-PP11
 74

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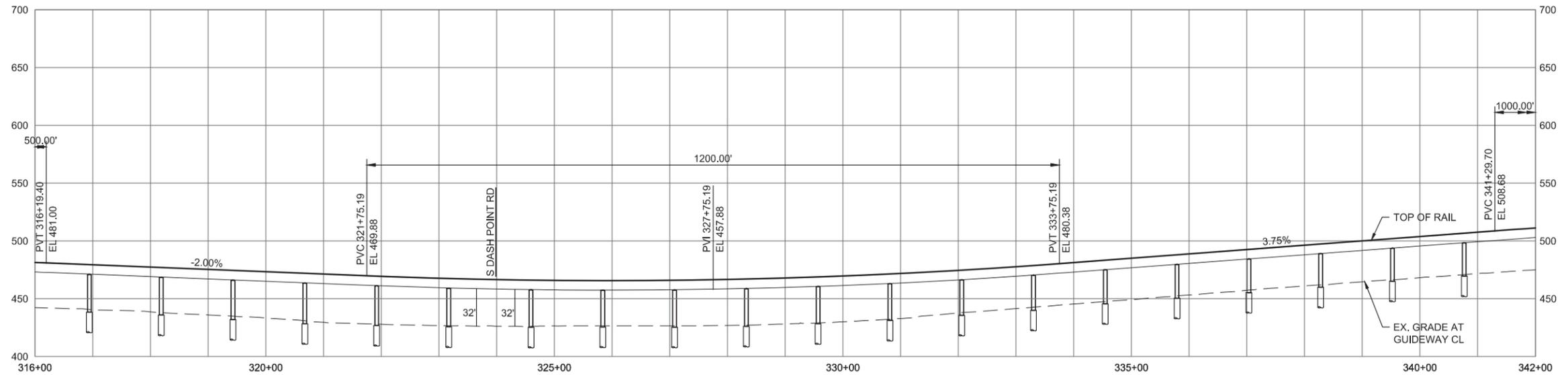
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 290+00 TO STA 316+00

AUGUST 2016
 SR99-A12-PP12
 75

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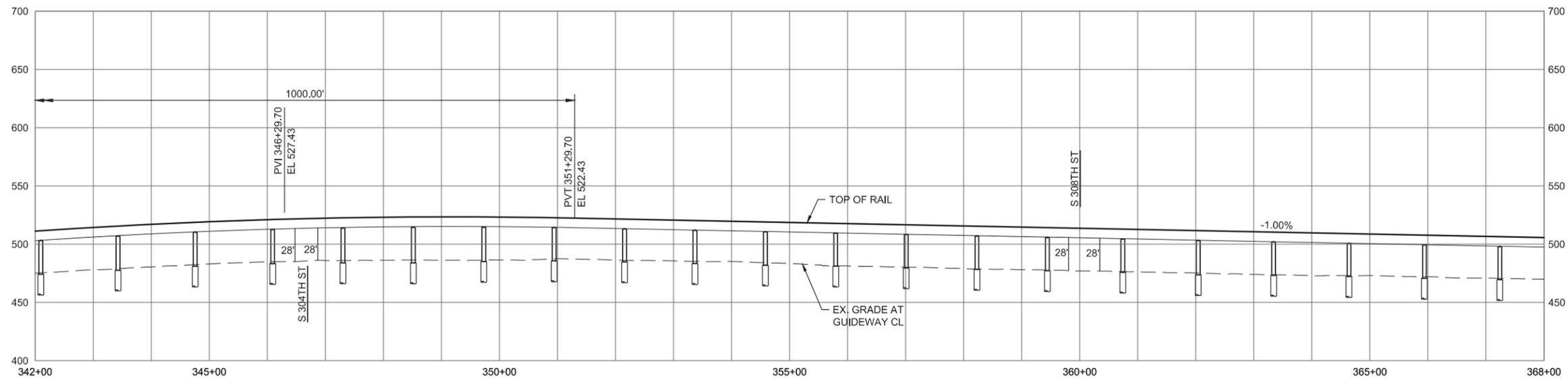
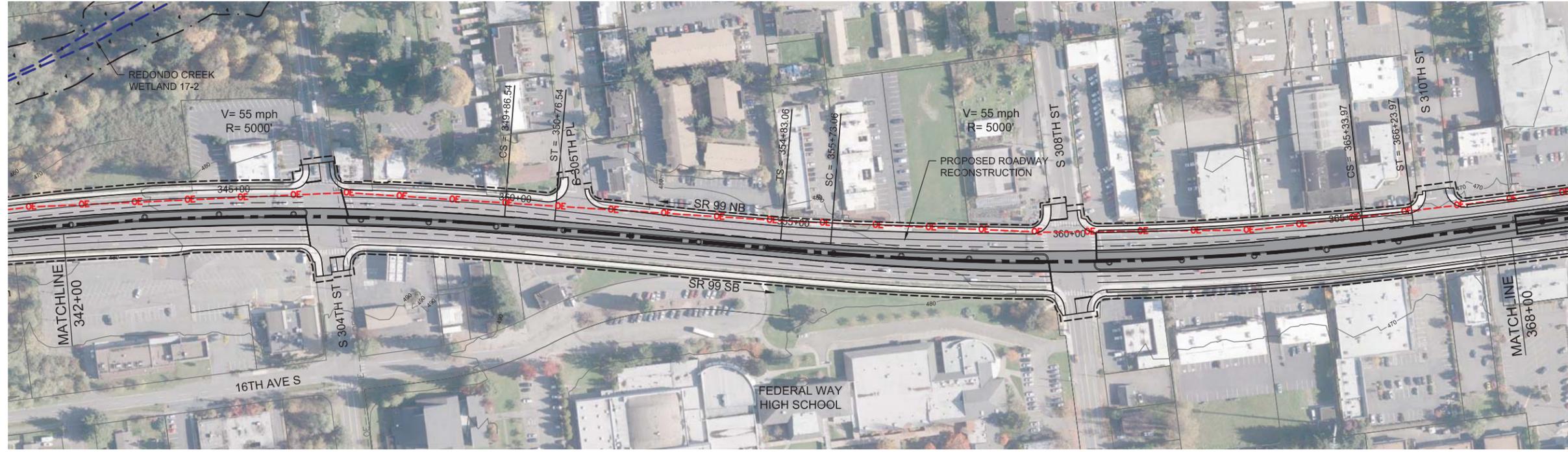


FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 316+00 TO STA 342+00

AUGUST 2016

SR99-A13-PP13
 76

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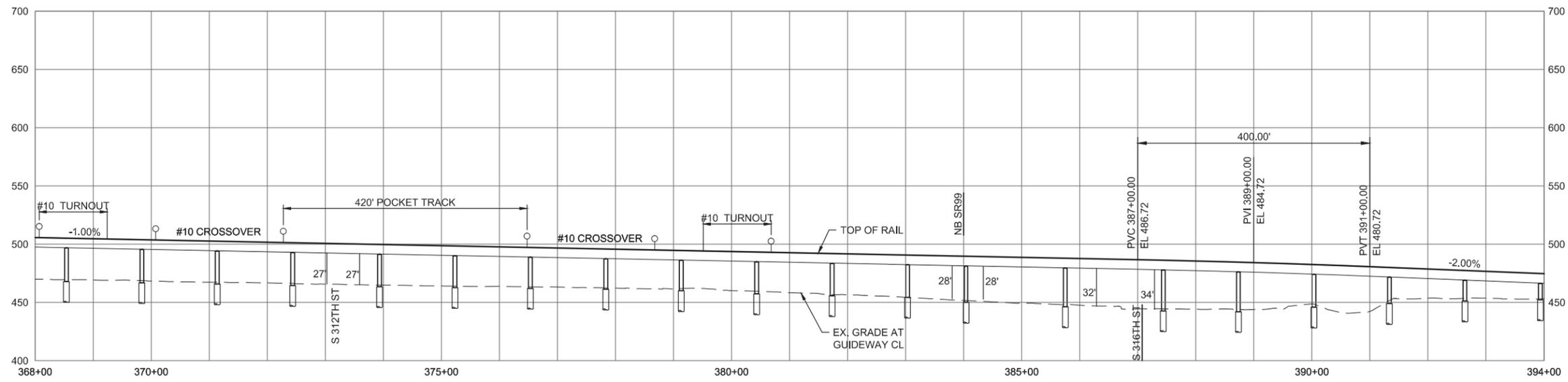
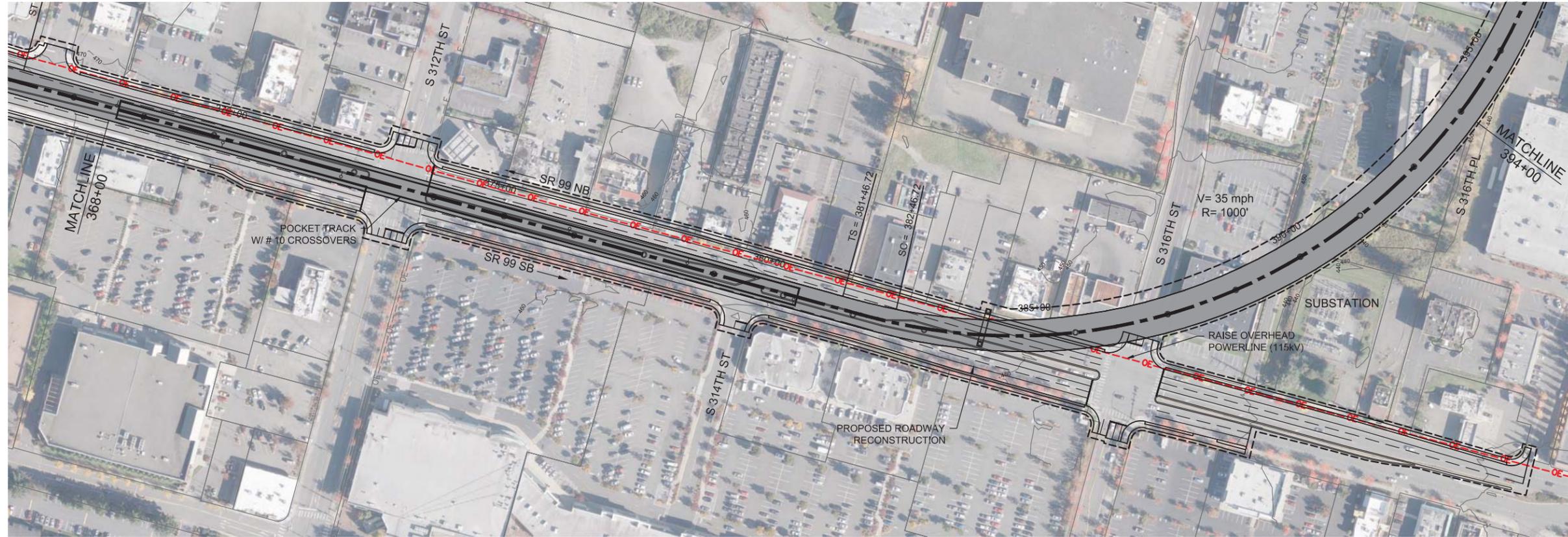
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FINAL EIS - CONCEPTUAL DESIGN
 TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
 SR 99 ALTERNATIVE
 STA 342+00 TO STA 368+00

AUGUST 2016
 SR99-A14-PP14
 77

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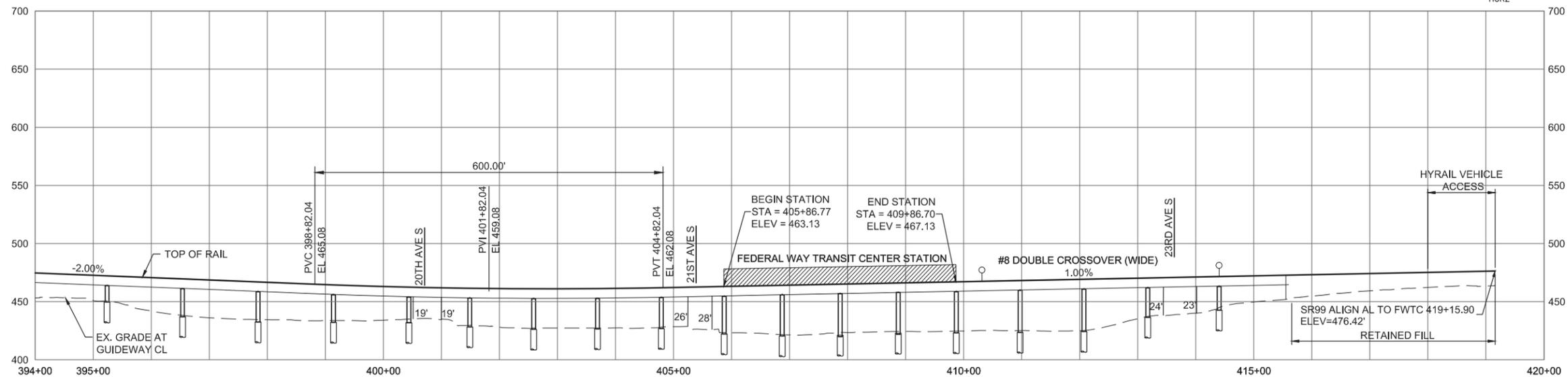
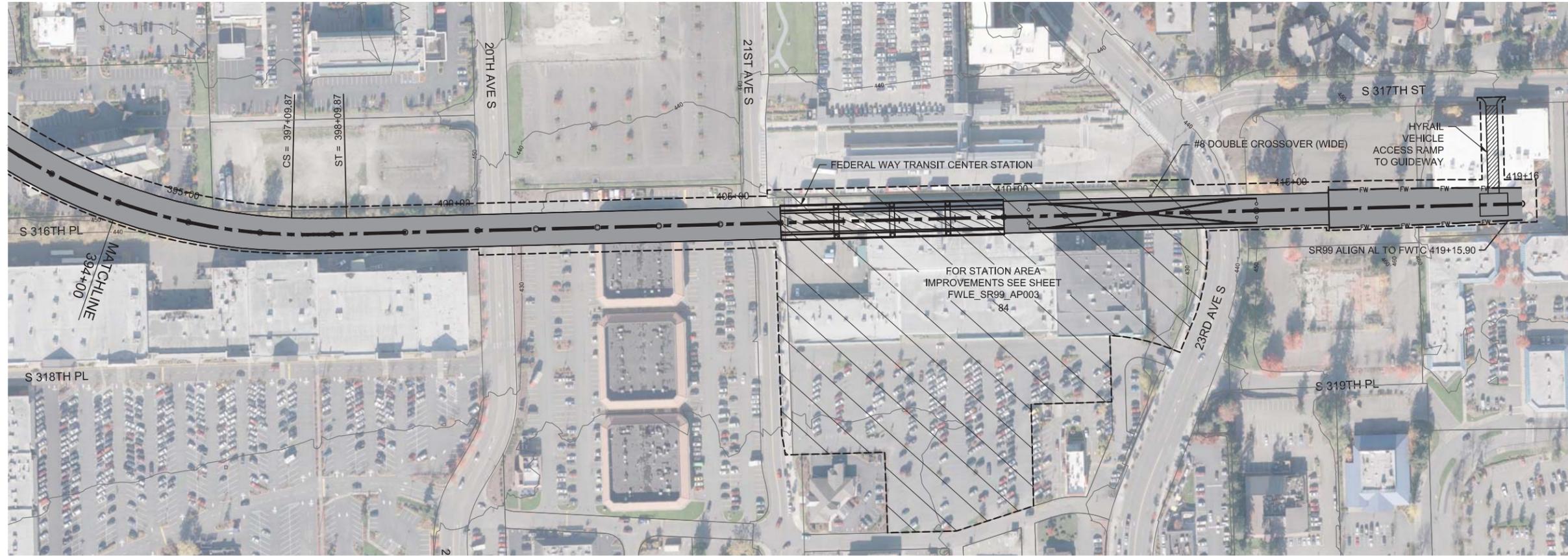
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FINAL EIS - CONCEPTUAL DESIGN
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 SR 99 ALTERNATIVE
 STA 368+00 TO STA 394+00

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

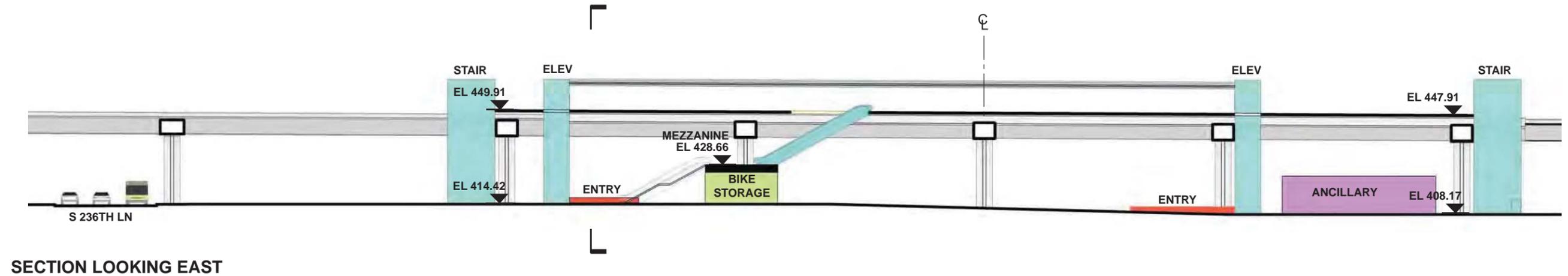
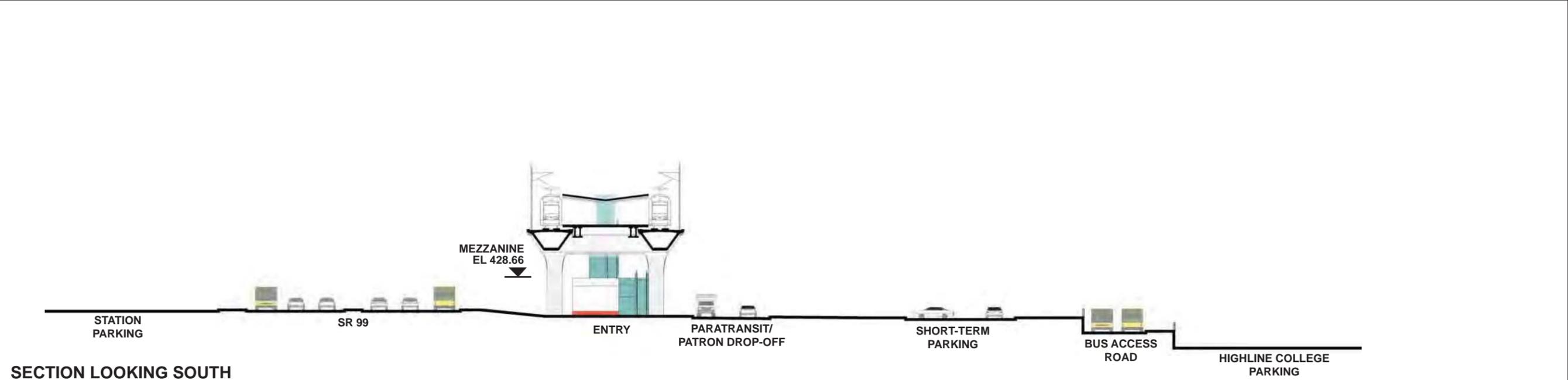
- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING / PARKING
- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)



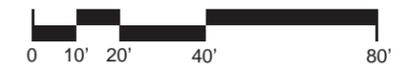
FINAL EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES SR 99 WEST STATION
 SITE PLAN

AUGUST 2016
 FWLE_S99_AP009
 80

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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



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

AUGUST 2016

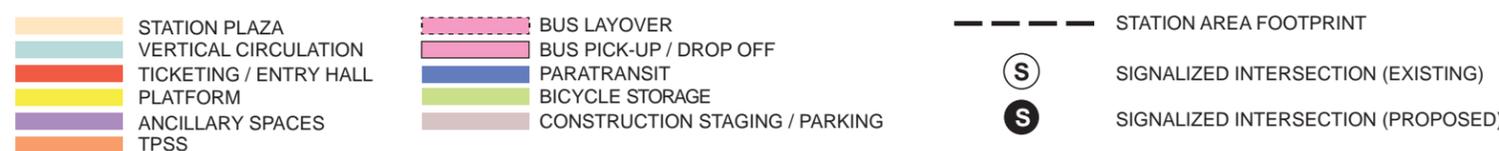
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

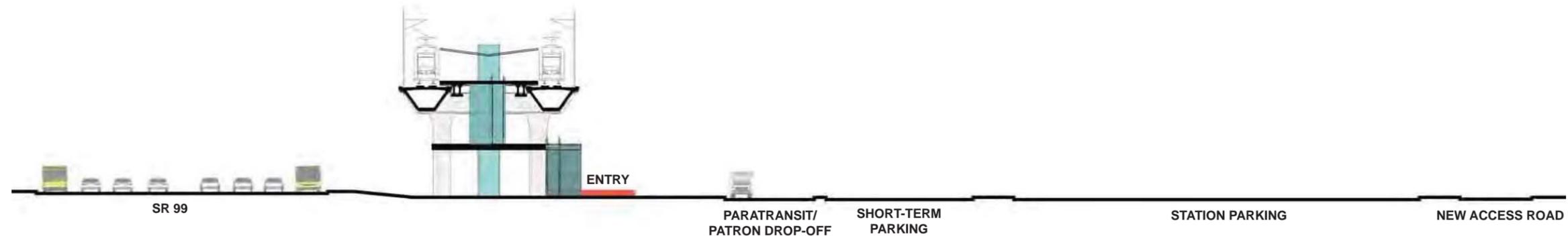
S 272nd Redondo Station	
Alternative(s)	SR 99
Boardings	1,500
Boardings (interim terminus)	3,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST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



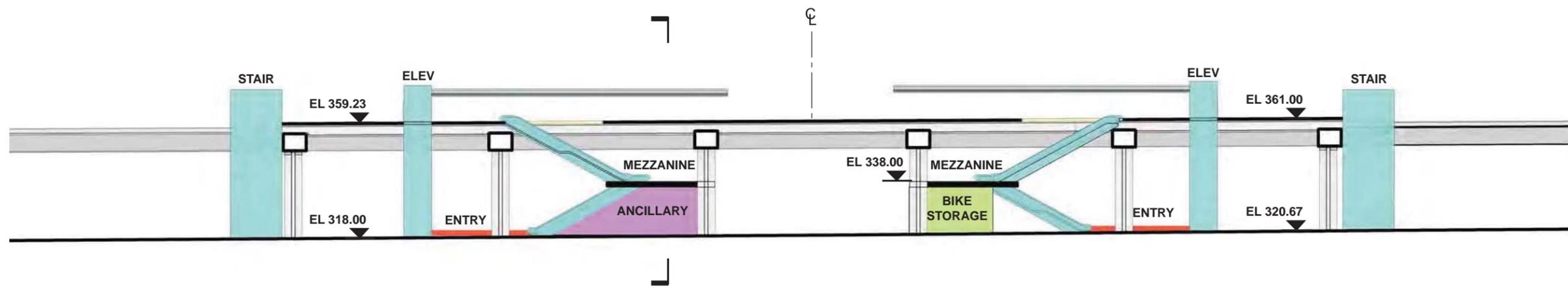
FINAL EIS - CONCEPTUAL DESIGN
S 272ND REDONDO STATION
SITE PLAN

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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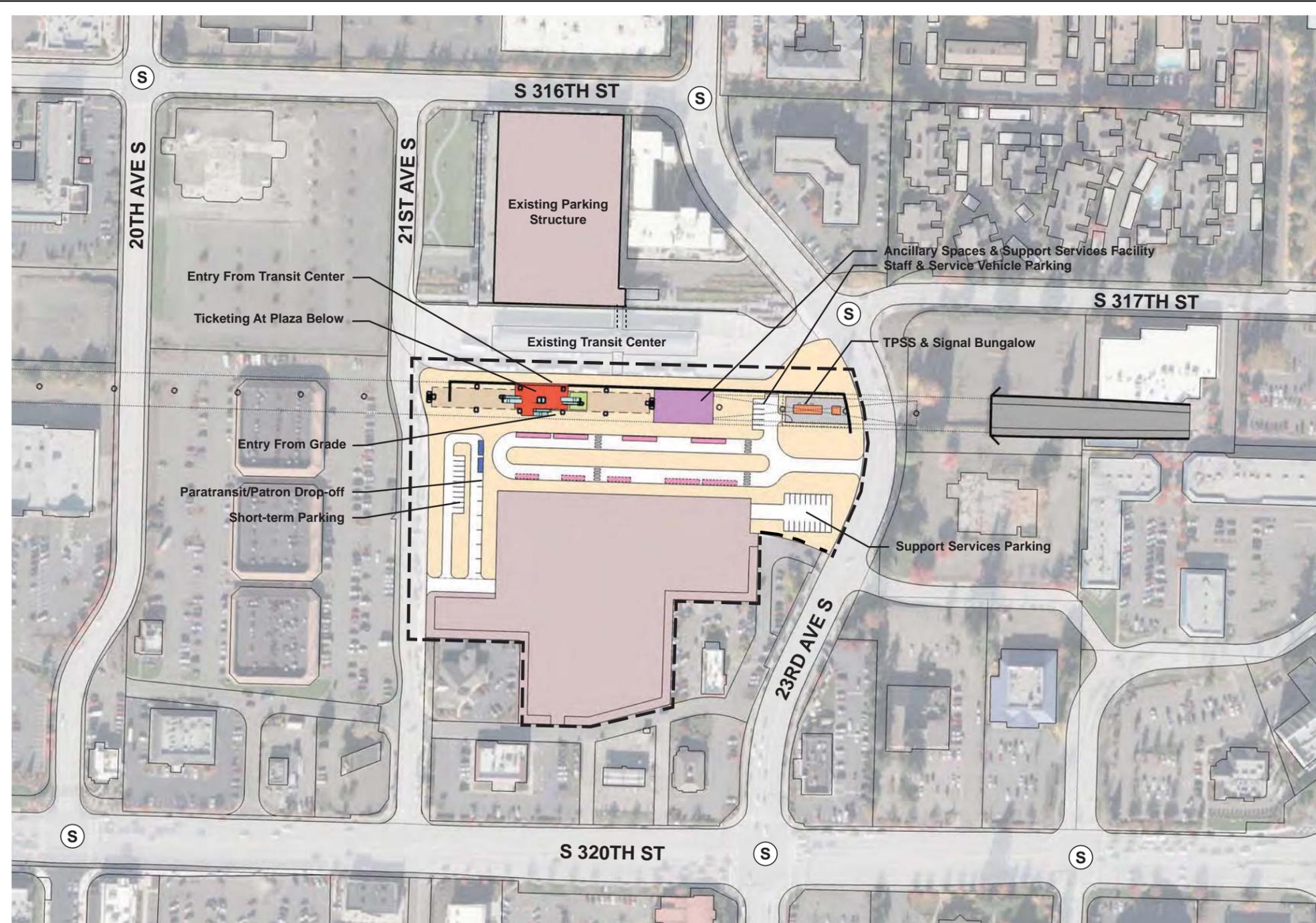


FINAL EIS - CONCEPTUAL DESIGN
 S 272ND REDONDO STATION
 SECTIONS

AUGUST 2016

FWLE_S99_AX007
 83

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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)

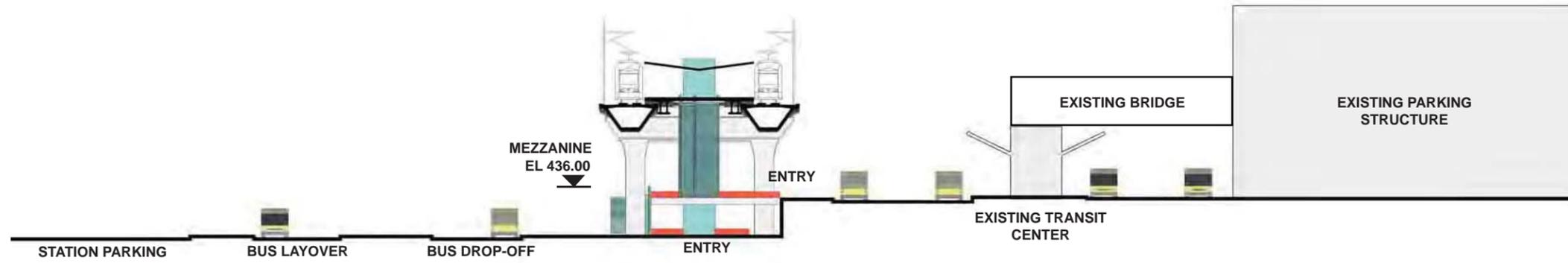
- STATION PLAZA
- VERTICAL CIRCULATION
- TICKETING / ENTRY HALL
- PLATFORM
- ANCILLARY SPACES
- TPSS
- BUS LAYOVER
- BUS PICK-UP / DROP OFF
- PARATRANSIT
- BICYCLE STORAGE
- CONSTRUCTION STAGING / PARKING
- STATION AREA FOOTPRINT
- S SIGNALIZED INTERSECTION (EXISTING)
- S SIGNALIZED INTERSECTION (PROPOSED)



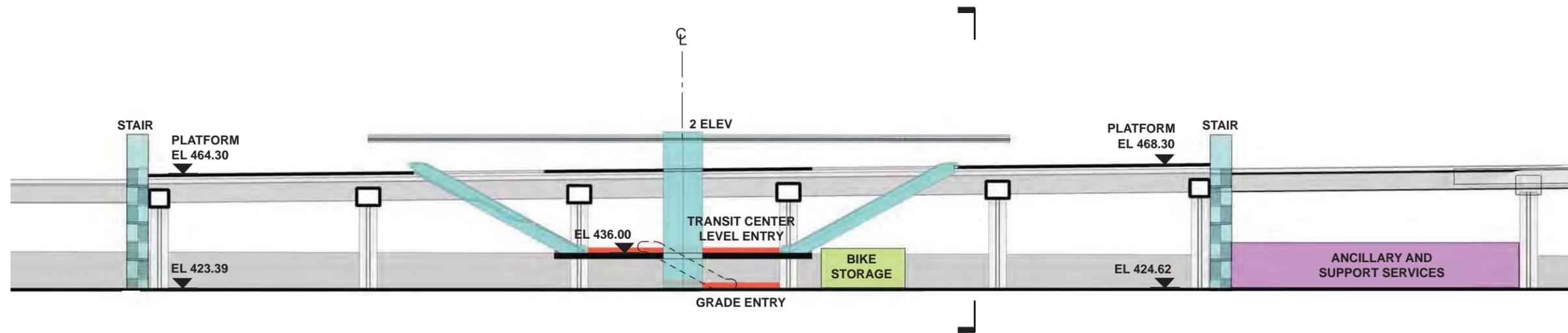
FINAL EIS - CONCEPTUAL DESIGN
FEDERAL WAY TRANSIT CENTER STATION
SITE PLAN

AUGUST 2016
FWLE_S99_AP003
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

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 85