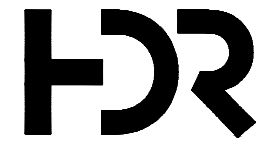
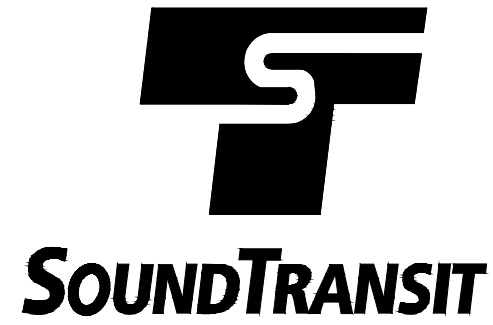


DRAFT EIS - CONCEPTUAL DESIGN I-5 TO SR99 ALTERNATIVE



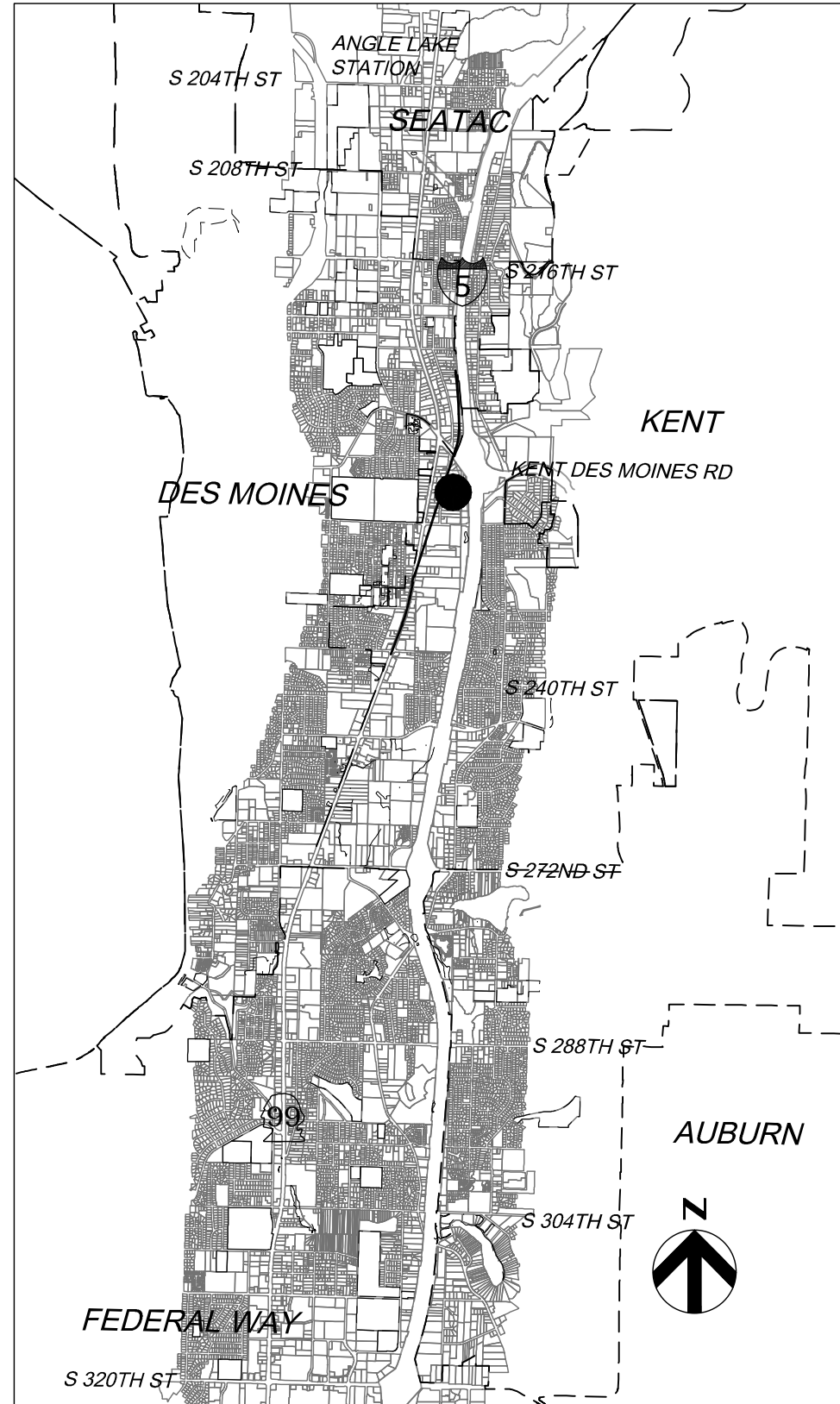
SOUND TRANSIT FEDERAL WAY LINK EXTENSION

CONCEPTUAL DESIGN I-5 TO SR99 ALTERNATIVE

APRIL 2015

SHEET KEY

I-5 TO SR 99 ALTERNATIVE
I-5 TO SR 99 260TH WEST STATION OPTION



PROJECT LOCATION MAP











SOUND TRANSIT FEDERAL WAY LINK EXTENSION

Sheet No.	Drawing No.	Sheet Title
I-5 TO SR99 ALTERNATIVE		
152	I5-P00-GX00	COVER SHEET
153	I5-P00-GX01	SHEET INDEX
154	I5-P00-GX02	SHEET INDEX KEYMAP
155	I5-P1-PP01	TRACK PLAN AND PROFILE STA 20+00 TO STA 36+00
156	I5-P2-PP02	TRACK PLAN AND PROFILE STA 36+00 TO STA 62+00
157	I5-P2-PP03	TRACK PLAN AND PROFILE STA 62+00 TO STA 88+00
158	I5-P4-PP04	TRACK PLAN AND PROFILE STA 88+00 TO STA 108+83.60
159	FWLE_I5_to_S99_AP001	KENT/DES MOINES 30TH AVENUE WEST STATION - SITE PLAN
160	FWLE_I5_to_S99_AX001	KENT/DES MOINES 30TH AVENUE WEST STATION - SECTIONS
I-5 TO SR99 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)		
161	I5-R00-GX02	SHEET INDEX KEYMAP
162	I5-R01-PP01	TRACK PLAN AND PROFILE STA 20+00 TO STA 40+00
163	I5-R02-PP02	TRACK PLAN AND PROFILE STA 40+00 TO STA 57+00
















ABBREVIATIONS

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

EXISTING FEATURES

	RIGHT OF WAY LINE
	LOT LINE
	GAS
	OVERHEAD ELECTRICAL
	UNDERGROUND ELECTRICAL
	WETLAND
	STREAM
	TRACK CENTERLINE
	EXISTING GROUND (PROFILE)
	CONTOUR LINE

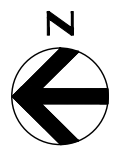
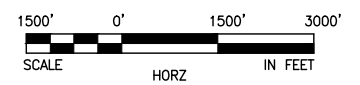
PROPOSED FEATURES

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

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



I-5 TO SR99 SHEET LAYOUT MATRIX				
	1	2	3	4
P - I-5 TO SR 99 ALTERNATIVE	X	X	X	X
R - I-5 TO SR 99 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)			X	X



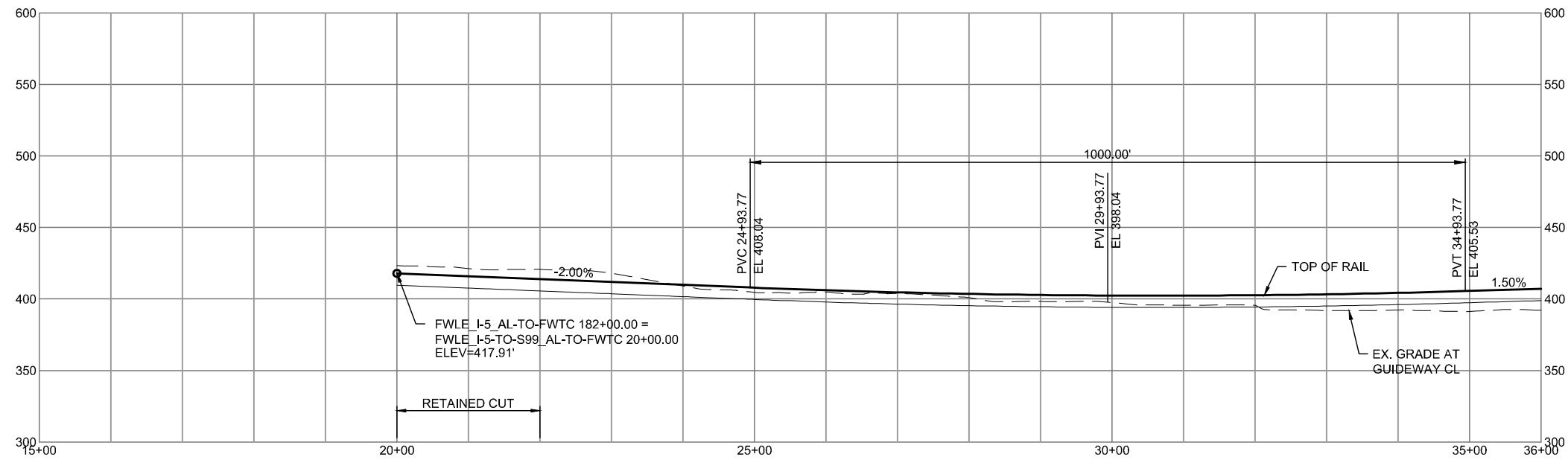
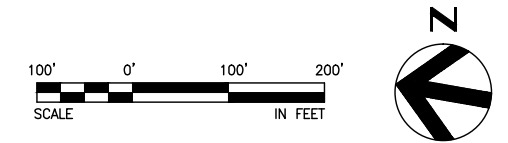
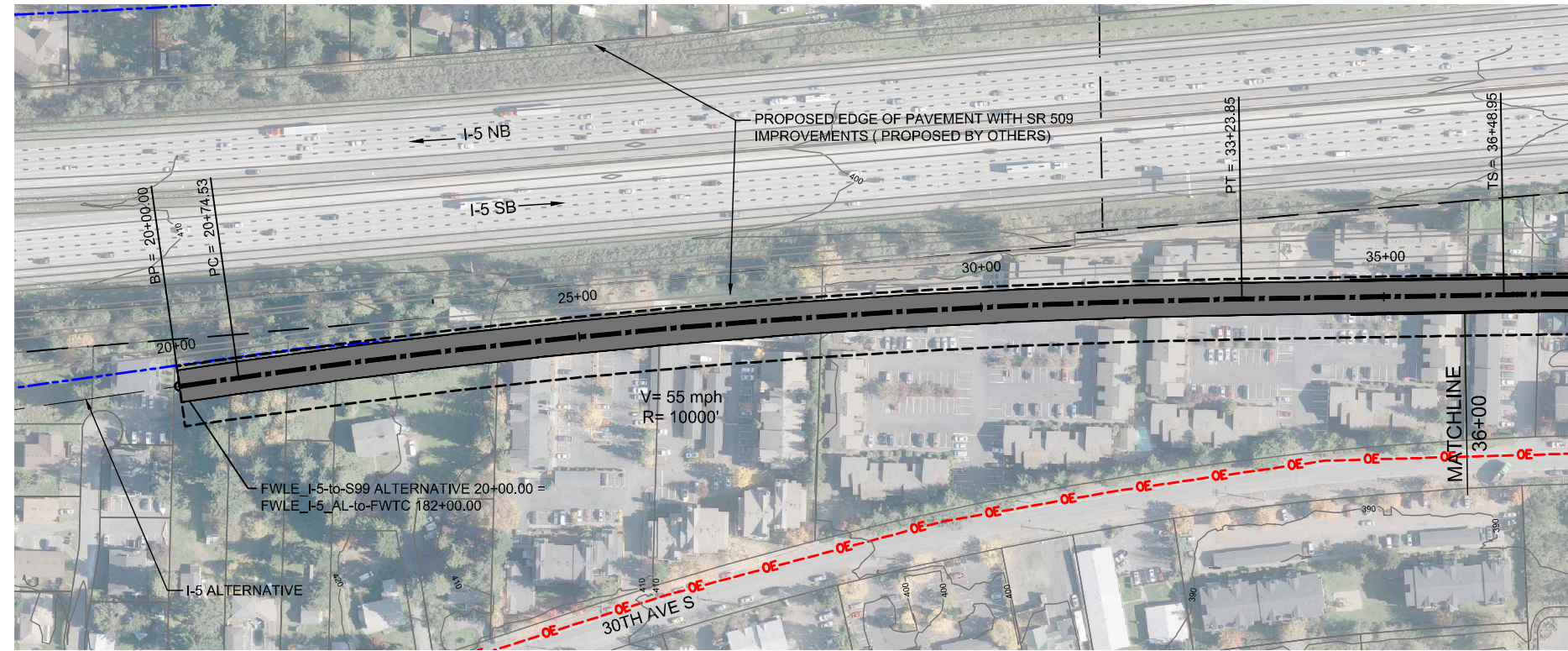
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DRAFT EIS - CONCEPTUAL DESIGN
SHEET INDEX KEY MAP
I-5 TO SR 99 ALTERNATIVE

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I5-P00-GX02
154

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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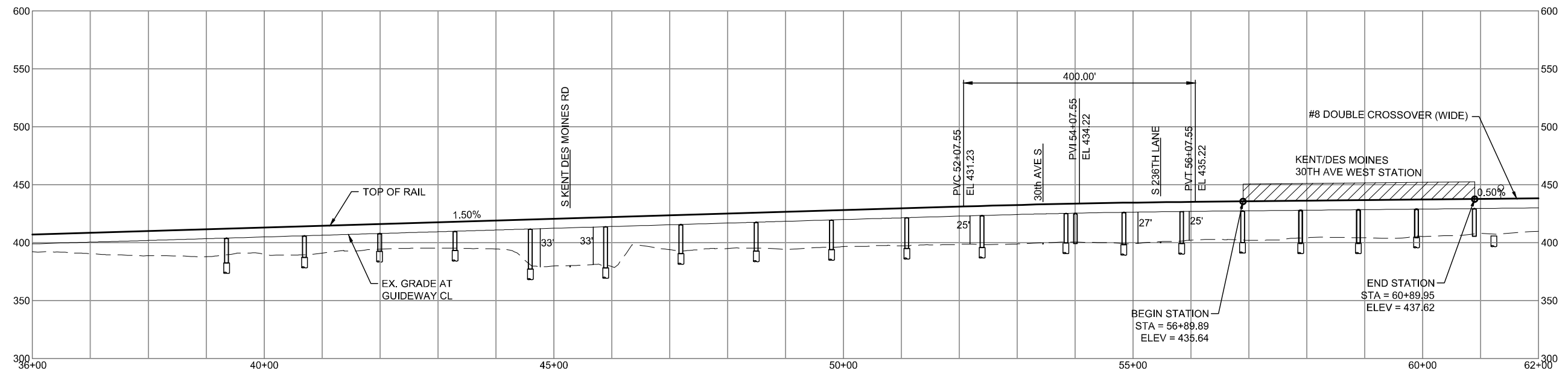
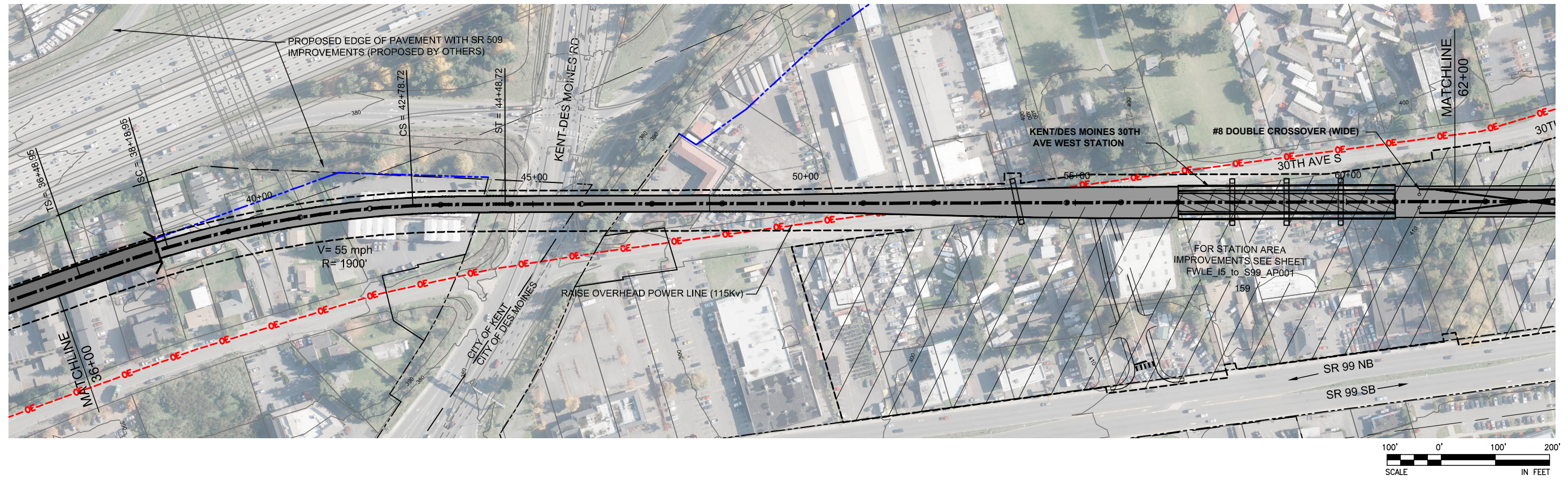


DRAFT EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE AND ROADWAY RECONSTRUCTION
 I-5 TO SR 99 ALTERNATIVE
 STA 20+00 TO STA 36+00

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I5-P1-PP01
 155

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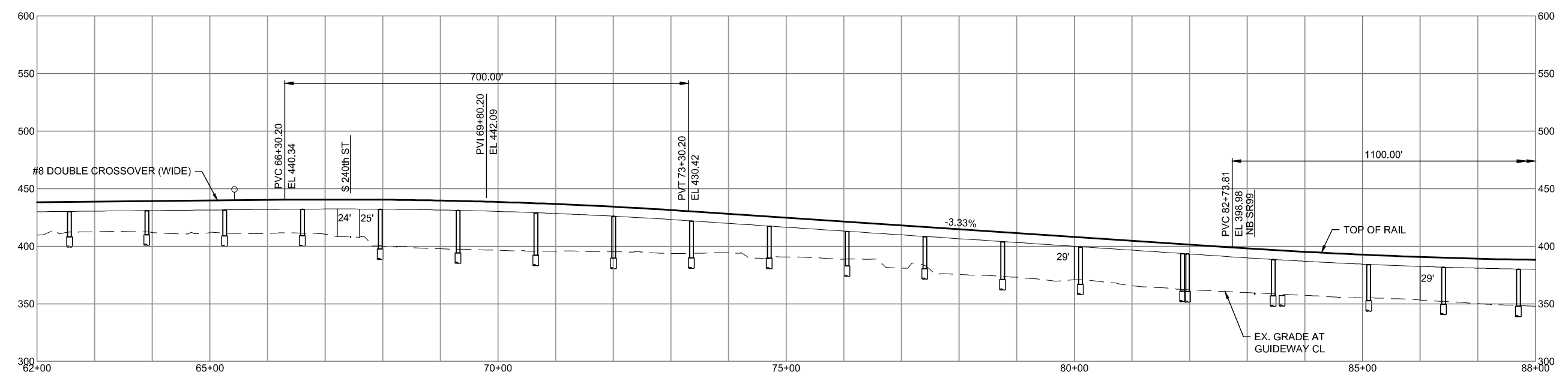
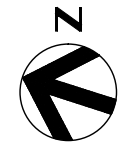
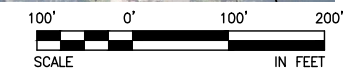
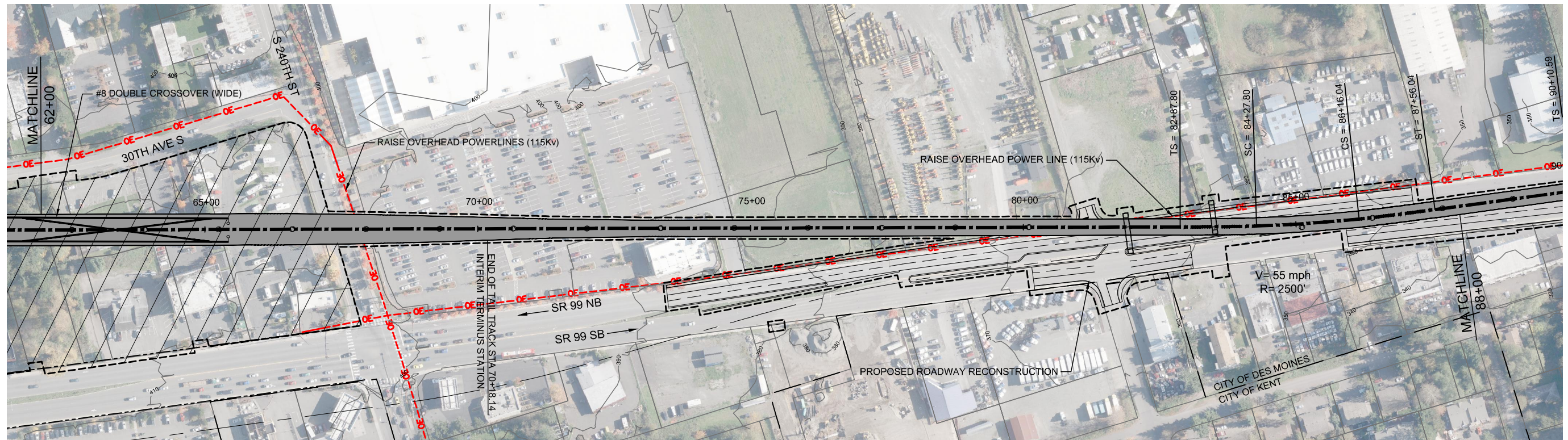


DRAFT EIS - CONCEPTUAL DESIGN
TRACK PLAN AND PROFILE AND ROADWAY RECONSTRUCTION
I-5 TO SR 99 ALTERNATIVE
STA 36+00 TO STA 62+00

APRIL 2015

15-P2-PP02
156

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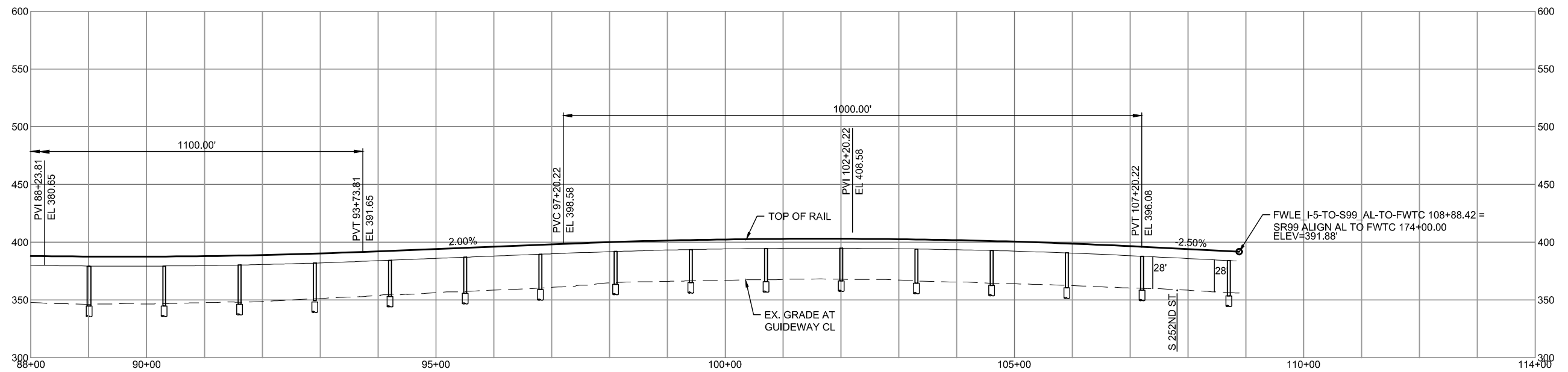
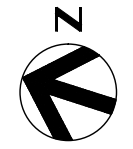
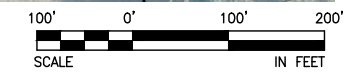


DRAFT EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE AND ROADWAY RECONSTRUCTION
 I-5 TO SR 99 ALTERNATIVE
 STA 62+00 TO STA 88+00

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15-P3-PP03
 157

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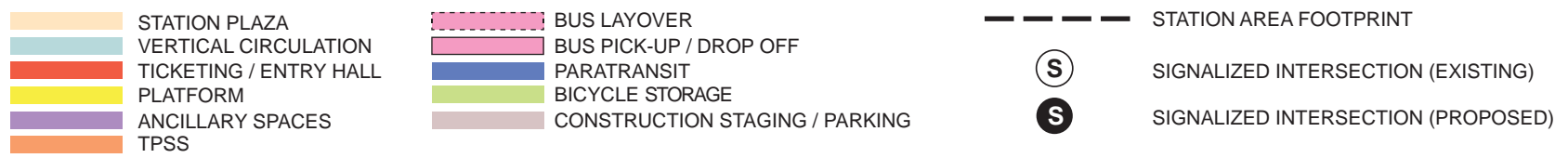
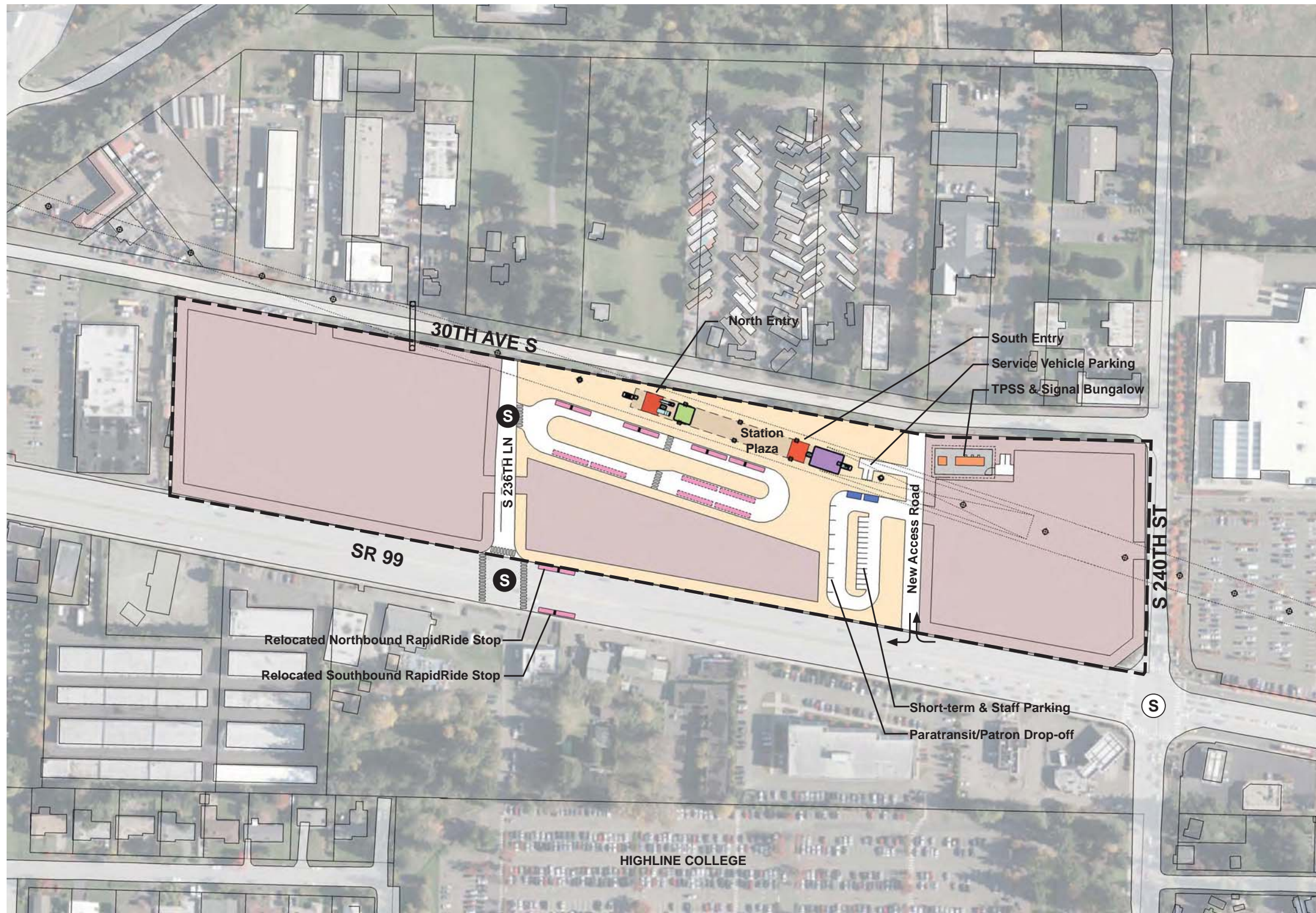
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DRAFT EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE AND ROADWAY RECONSTRUCTION
 I-5 TO SR 99 ALTERNATIVE
 STA 88+00 TO STA 108+83.60

APRIL 2015
 15-P4-PP04
 158

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



ASSUMPTIONS:

Kent/Des Moines 30th Avenue West Station	
Alternative(s)	I-5 to SR 99
Boardings	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



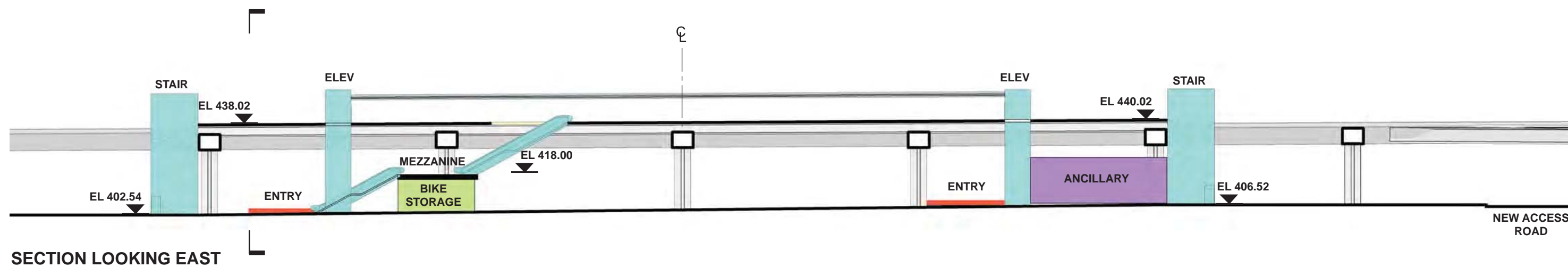
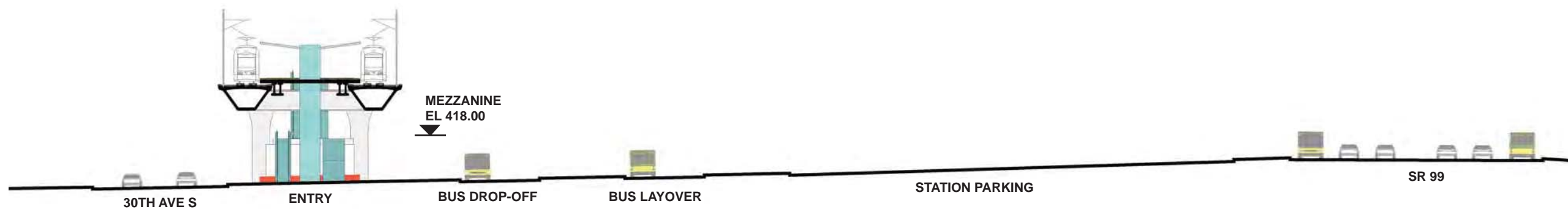
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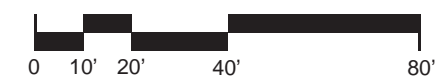
DRAFT EIS - CONCEPTUAL DESIGN
KENT/DES MOINES 30TH AVENUE WEST STATION
SITE PLAN

APRIL 2015
FWLE_I-5_to_S99_AP001
159

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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



DRAFT EIS - CONCEPTUAL DESIGN
 KENT/DES MOINES 30TH AVENUE WEST STATION
 SECTIONS

APRIL 2015
 FWLE_I-5_to_S99_AX001
 160

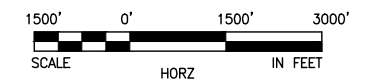
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SOUND TRANSIT FEDERAL WAY LINK EXTENSION



I-5 TO SR99 SHEET LAYOUT MATRIX				
	1	2	3	4
P - I-5 TO SR 99 ALTERNATIVE	X	X	X	X
R - I-5 TO SR 99 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)			X	X



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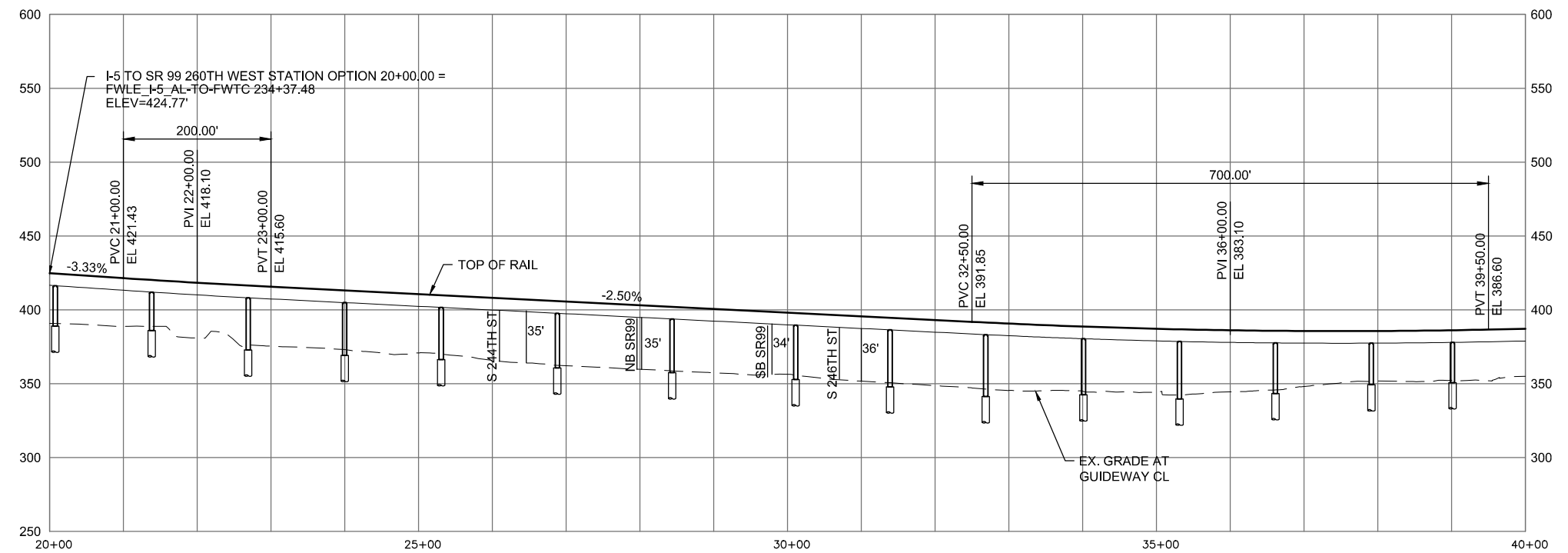
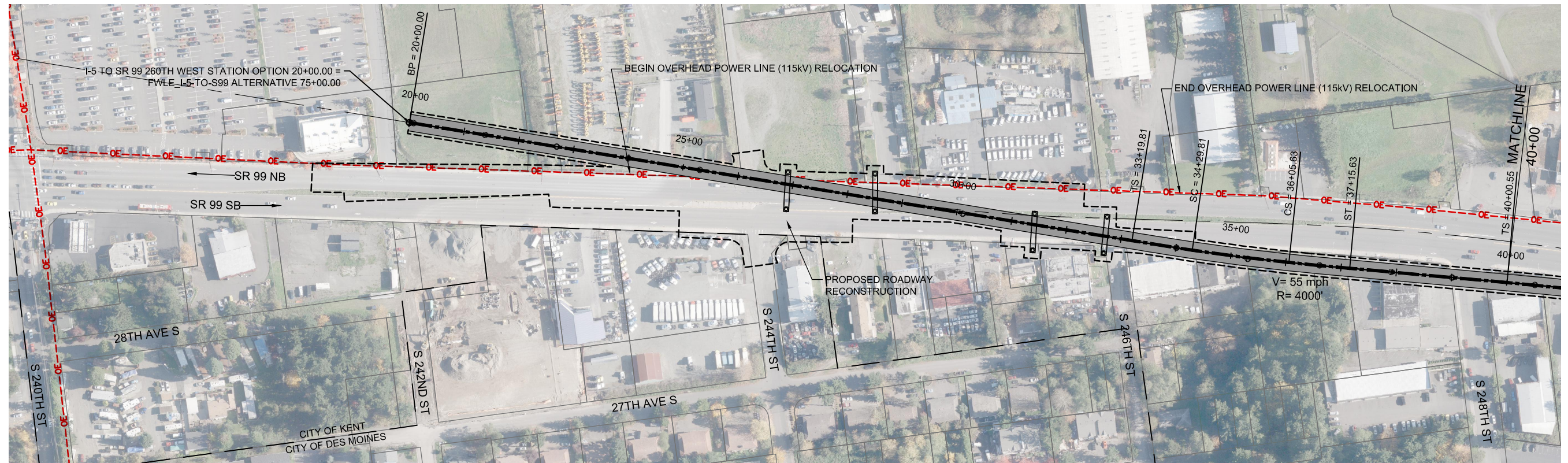
DRAFT EIS - CONCEPTUAL DESIGN
SHEET INDEX KEY MAP

I-5 TO SR 99 206TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)

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I5-R00-GX02
161

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



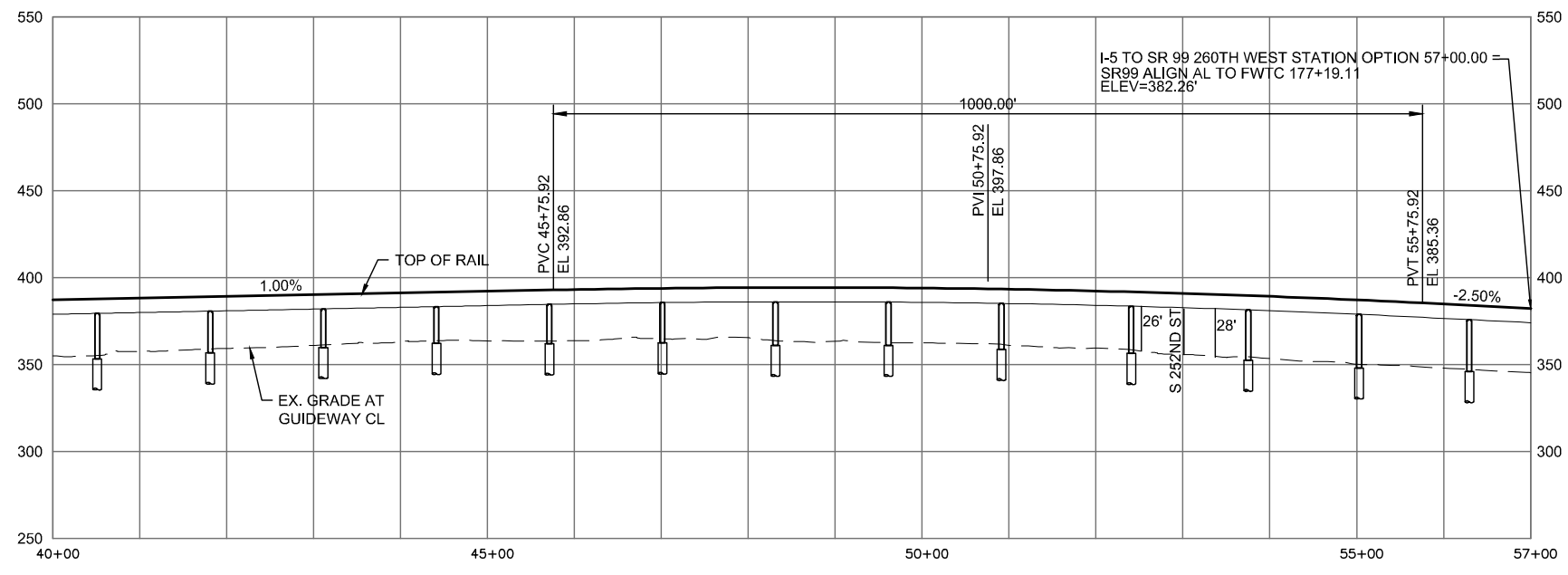
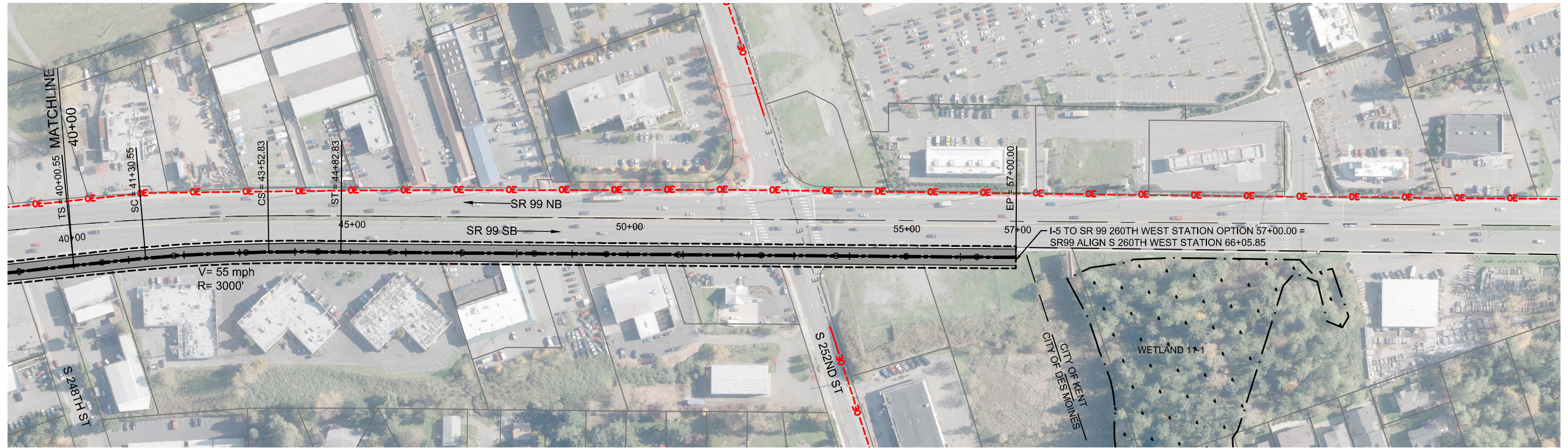
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DRAFT EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE & ROADWAY RECONSTRUCTION
 I-5 TO SR 99 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 20+00 TO STA 40+00

APRIL 2015
 I5-R01-PP01
 162

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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DRAFT EIS - CONCEPTUAL DESIGN
 TRACK PLAN AND PROFILE & ROADWAY RECONSTRUCTION
 I-5 TO SR 99 260TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION)
 STA 40+00 TO STA 57+00

APRIL 2015

I5-R02-PP02
 163