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

Appendix F Contents

SR 99 Alternative: pp. 1-25

S 216th West Station Option: pp. 26-31 S 216th East Station Option: pp. 32-36 Kent/Des Moines SR 99 Median Station Option: pp. 37-42 Kent/Des Moines SR 99 East Station Option: pp. 43-49 Kent/Des Moines HC Campus Station Option: pp. 50-57 Kent/Des Moines HC Campus Station Option from S 216th West Station Option: pp. 58-63 S 260th West Station Option: pp. 64-71 S 260th East Station Option: pp. 72-78 S 272nd Redondo Trench Station Option: pp. 79-88 Federal Way SR 99 Station Option: pp. 89-93

I-5 Alternative: pp. 94-118

Kent/Des Moines At-Grade Station Option: pp. 119-124 Kent/Des Moines SR 99 East Station Option: pp. 125-130 Landfill Median Alignment Option: pp.131-134 Federal Way I-5 Station Option: pp. 135-138 Federal Way S 320th Park-and-Ride Station Option: pp. 139-143

SR 99 to I-5 Alternative: pp. 144-151

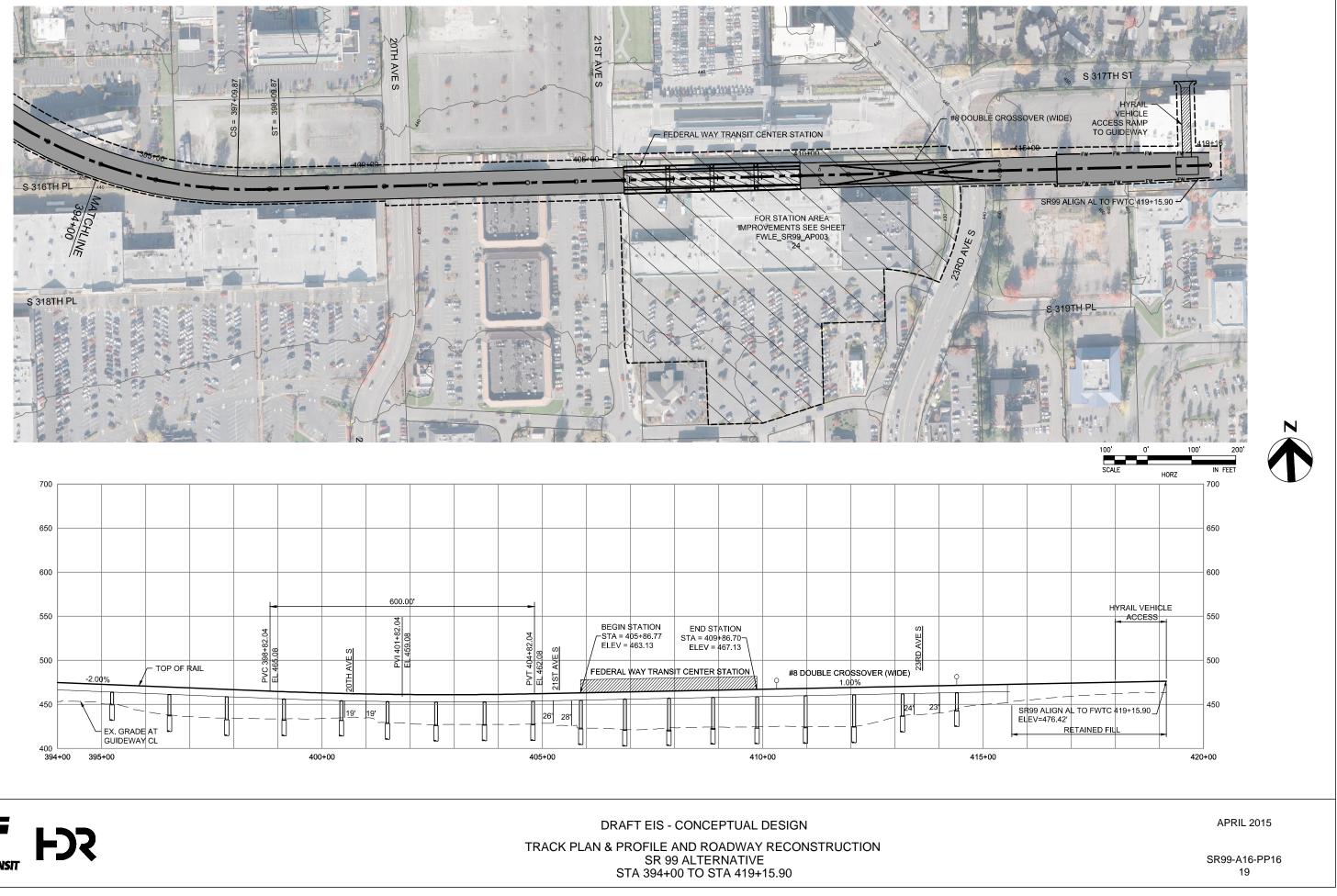
I-5 to SR 99 Alternative: pp. 152-160

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

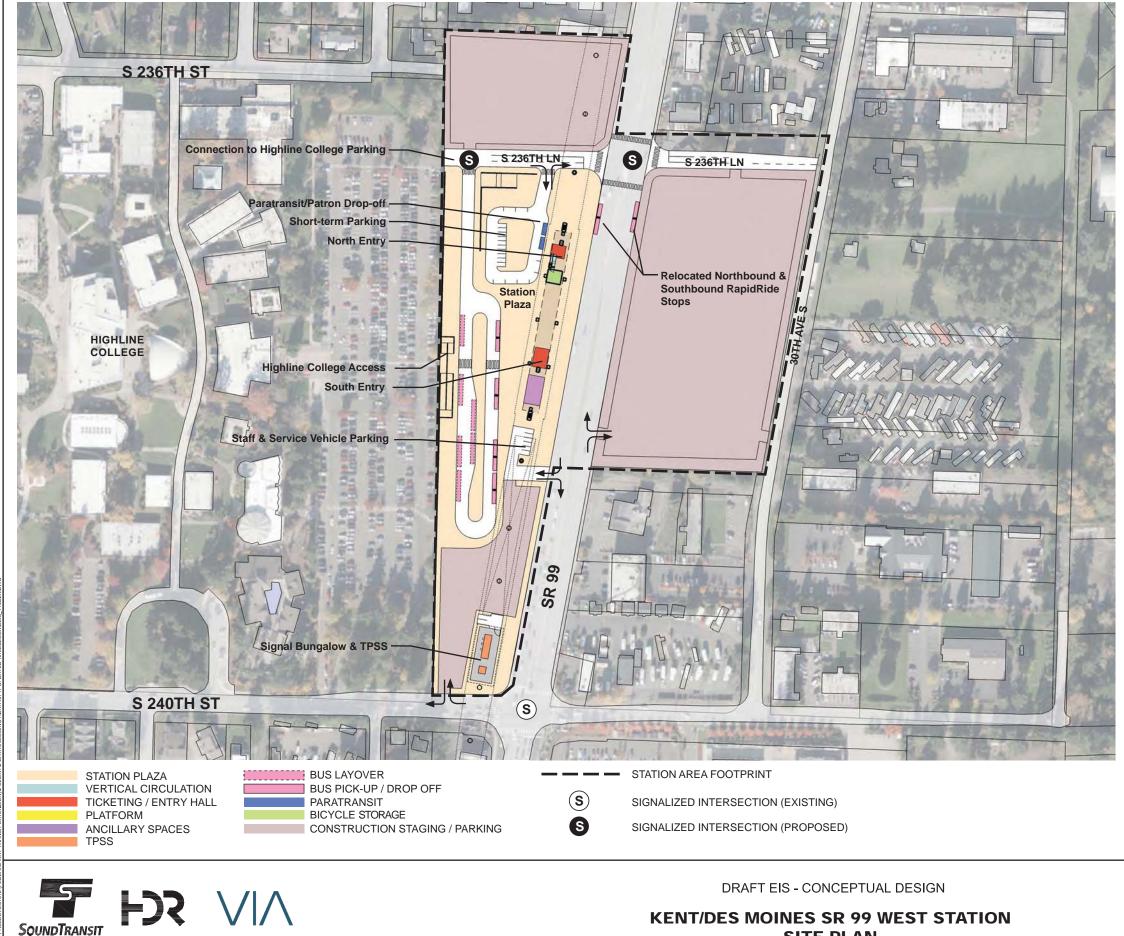
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DRAFT EIS - CONCEPTUAL DESIGN SR 99 ALTERNATIVE

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5 SoundTransit

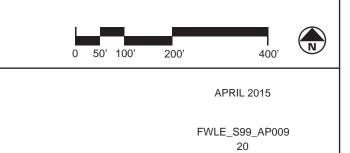


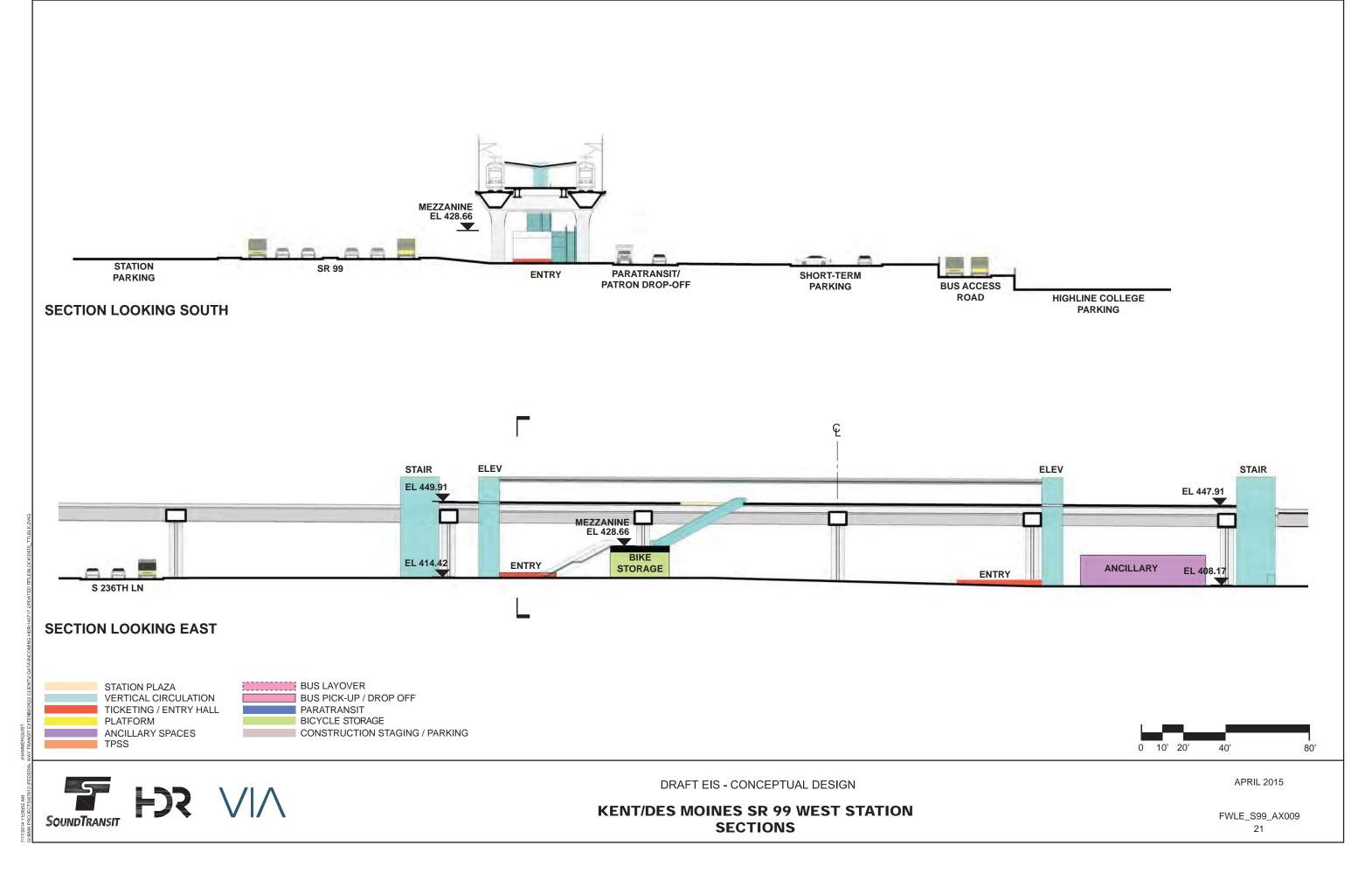
SITE PLAN

ASSUMPTIONS:

| Kent/Des Moines SR 99 West Stat | ion |
|---------------------------------|------------------------------|
| Alternative(s): | SR 99 |
| Boardings | 3,000 |
| Boardings (with 216th Station) | 2,500 |
| Boardings (interim terminus) | 4,500 |
| 5 | |
| 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 |
| # Of efficiency stalls | ζ |
| 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/emer. 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







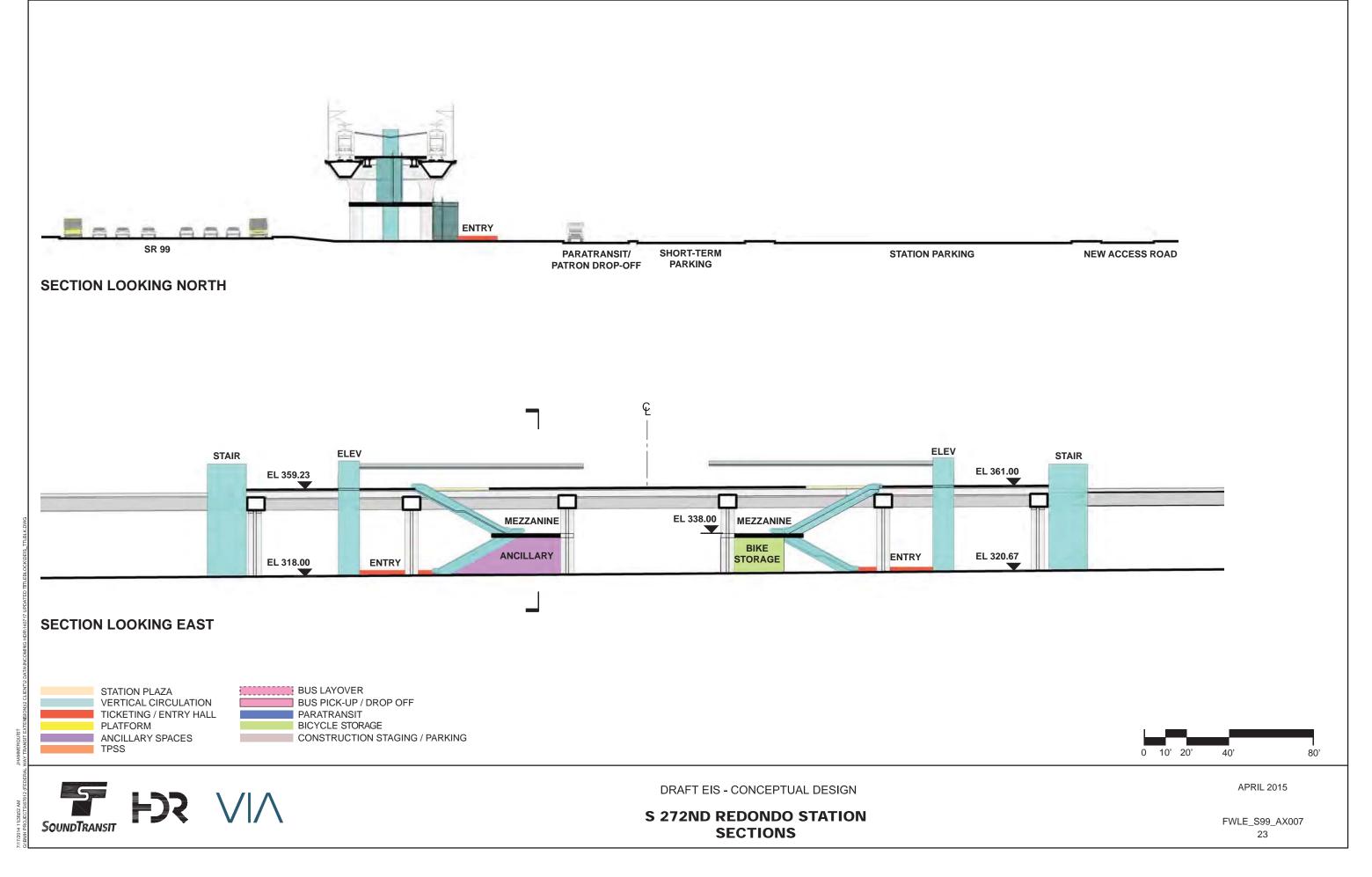
ASSUMPTIONS:

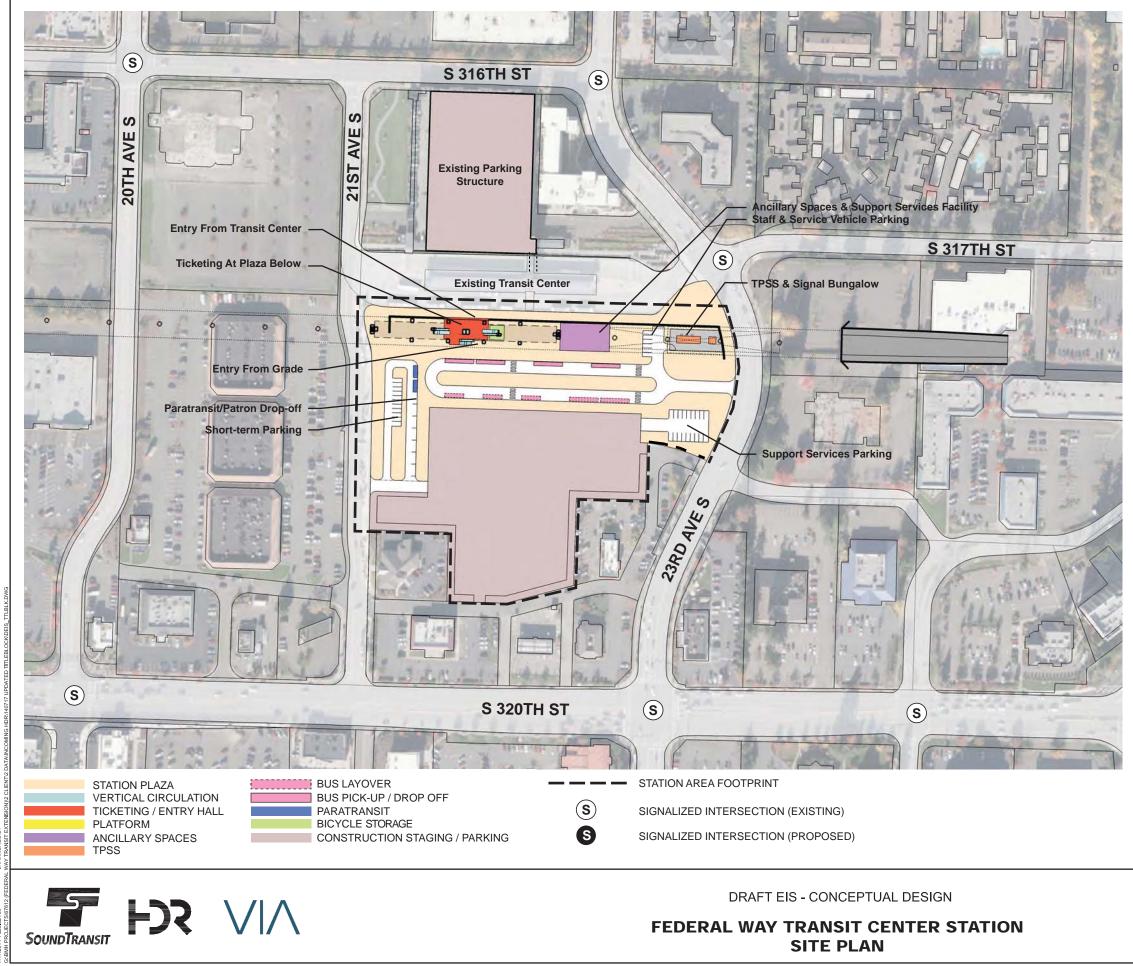
| S 272nd Redondo Station | |
|---------------------------------|----------------------------|
| Alternative(s) | SR 99 |
| Boardings | 1,500 |
| Boardings (interim terminus) | 3,500 |
| | |
| Station Configuration | . . |
| Terminus / In-Line | Interim Terminus |
| Station Type | Center Platform - Elevated |
| 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 |
| Darking & Amonitics | |
| Parking & Amenities | 900 SF |
| Bike storage 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) |



APRIL 2015

FWLE_S99_AP007 22





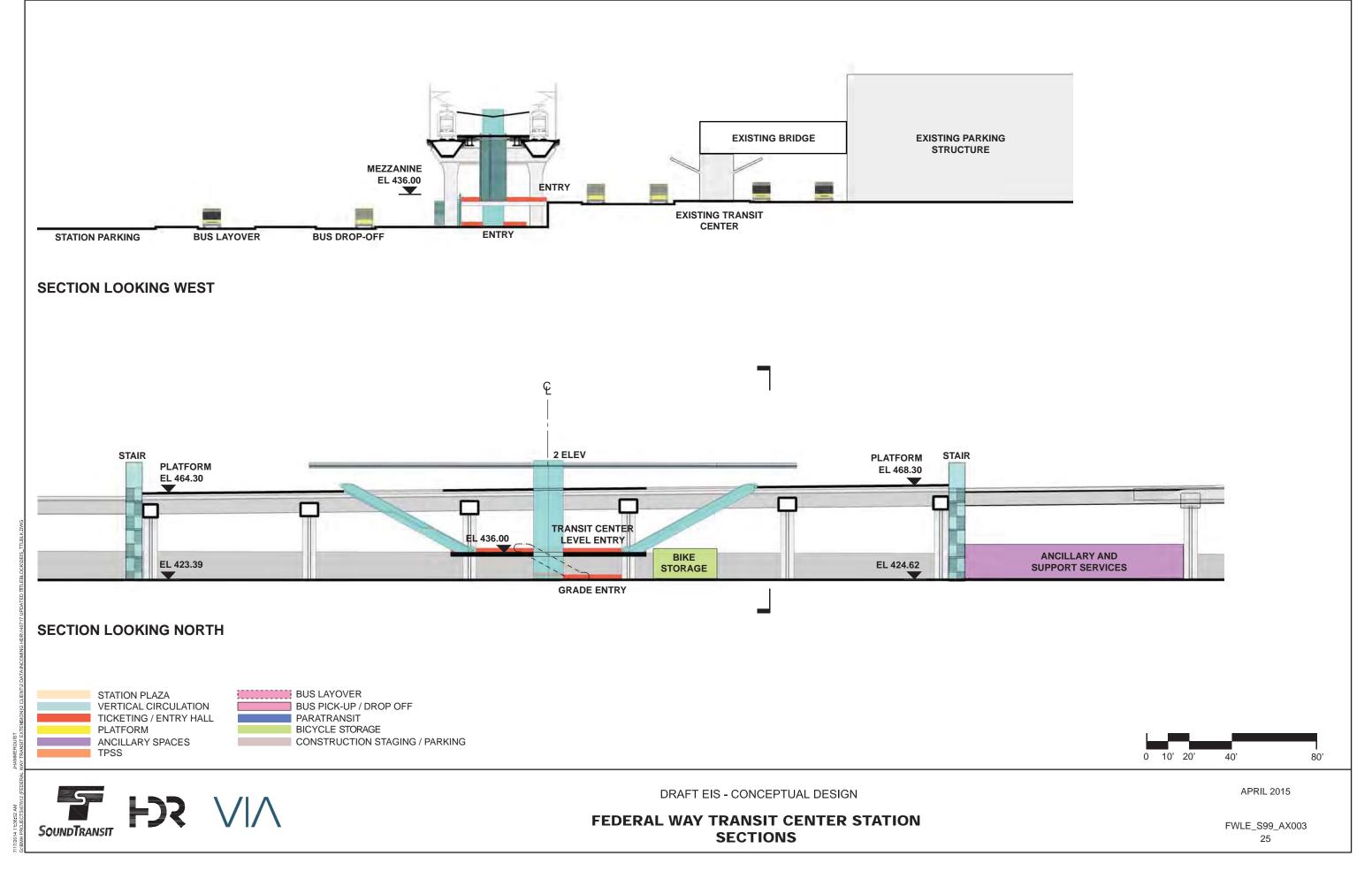
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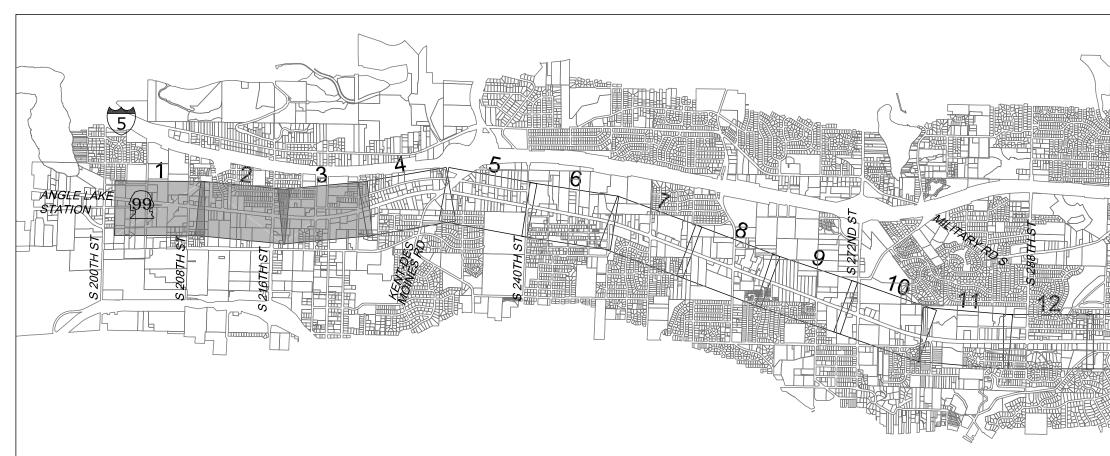
| Federal Way Transit Center Station | |
|------------------------------------|-------------------------------|
| Alternative(s) | SR 99; I-5 to SR 99 |
| Boardings | 9,000 |
| | |
| Station Configuration | |
| Terminus / In-Line | Terminus |
| Station Type | Center Platform - Elevated |
| Platform Width | 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 |
| " of efficiency starts | |
| 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/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) |



APRIL 2015

FWLE_S99_AP003 24



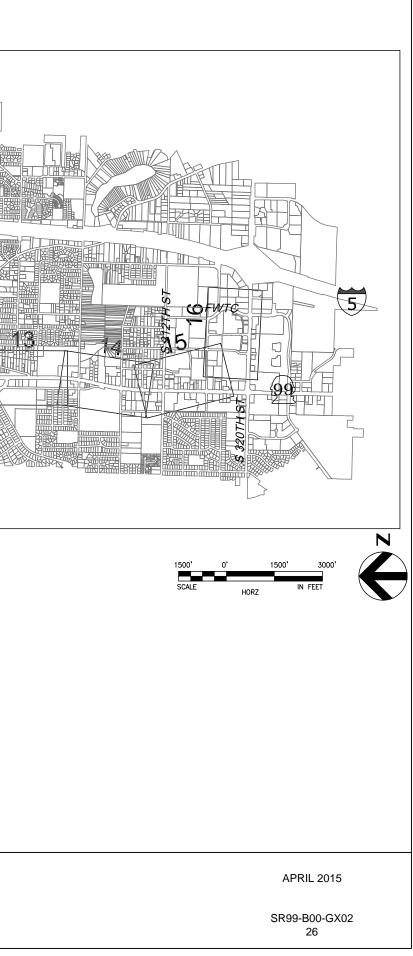


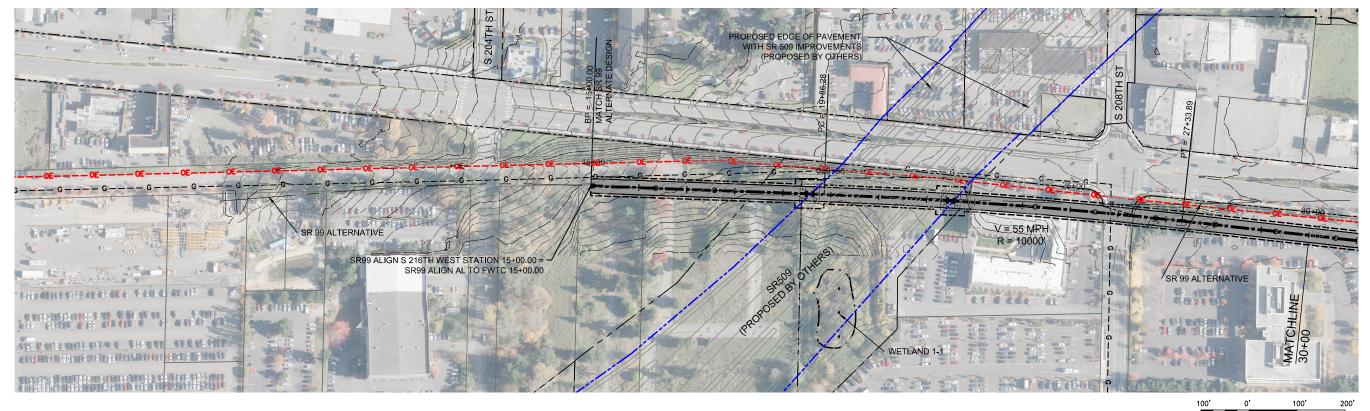
| | | | SR99 SH | HEET LA | YOUT M | ATRIX | | | | | | | | | | |
|--|---|------------------------|---------|---------|--------|-------|---|---|---|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A - SR 99 ALTERNATIVE | x | х | x | х | х | x | х | x | x | х | х | х | x | 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 | | | x | 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 | | | | | | | | | | | | | | | x | x |

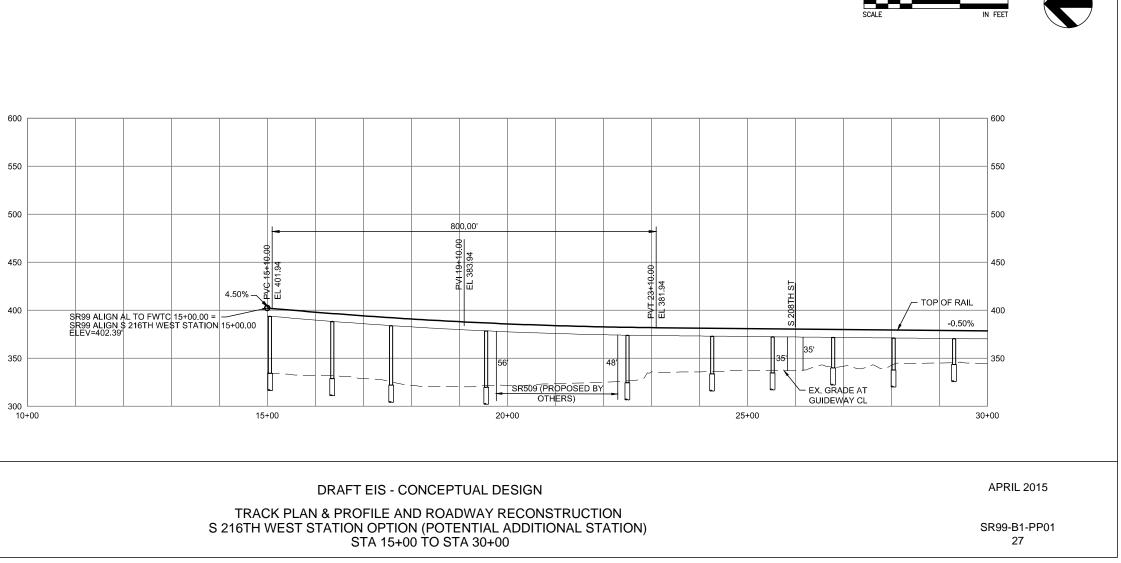
I - NOT USED



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

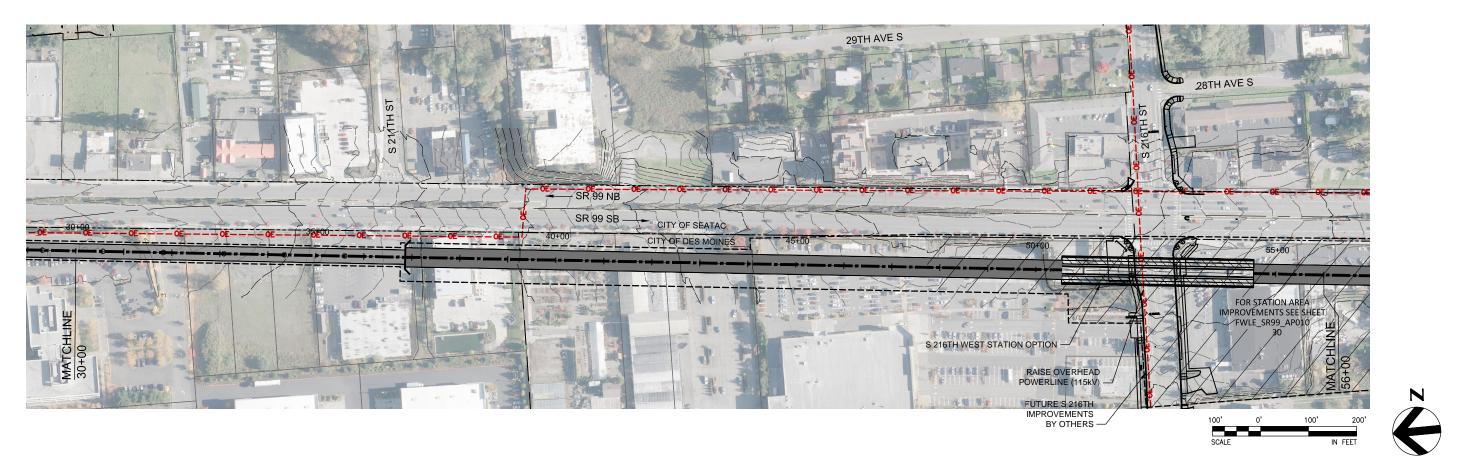


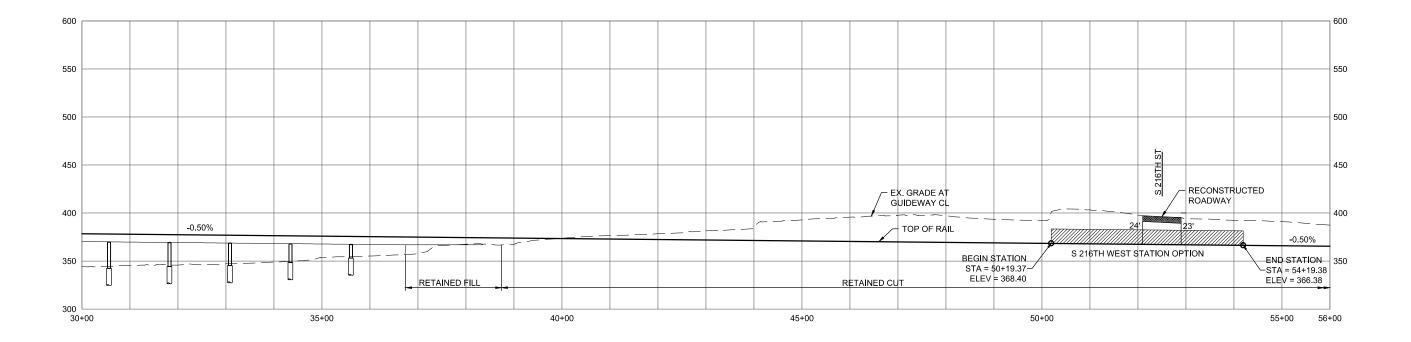












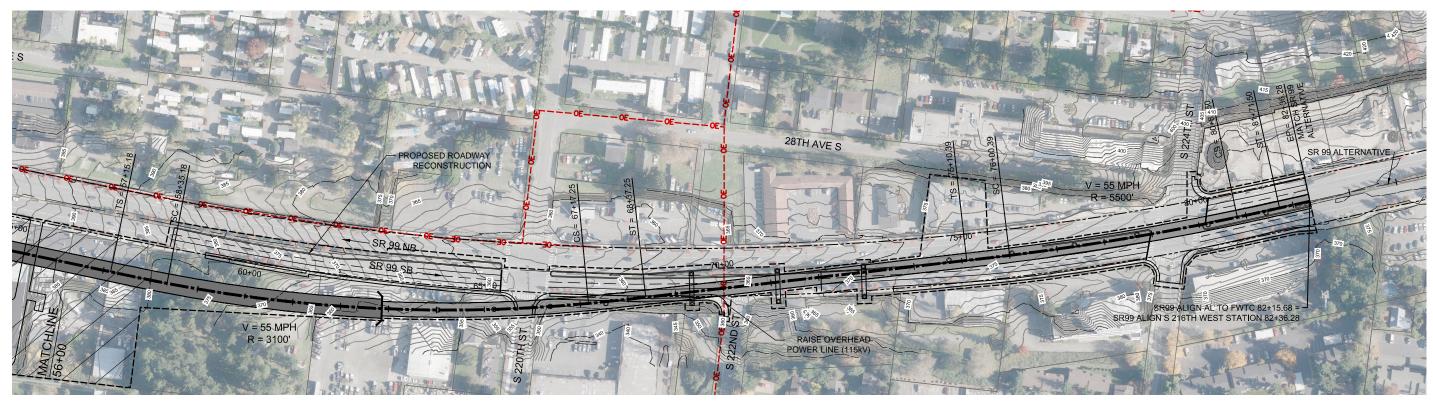
DRAFT EIS - CONCEPTUAL DESIGN

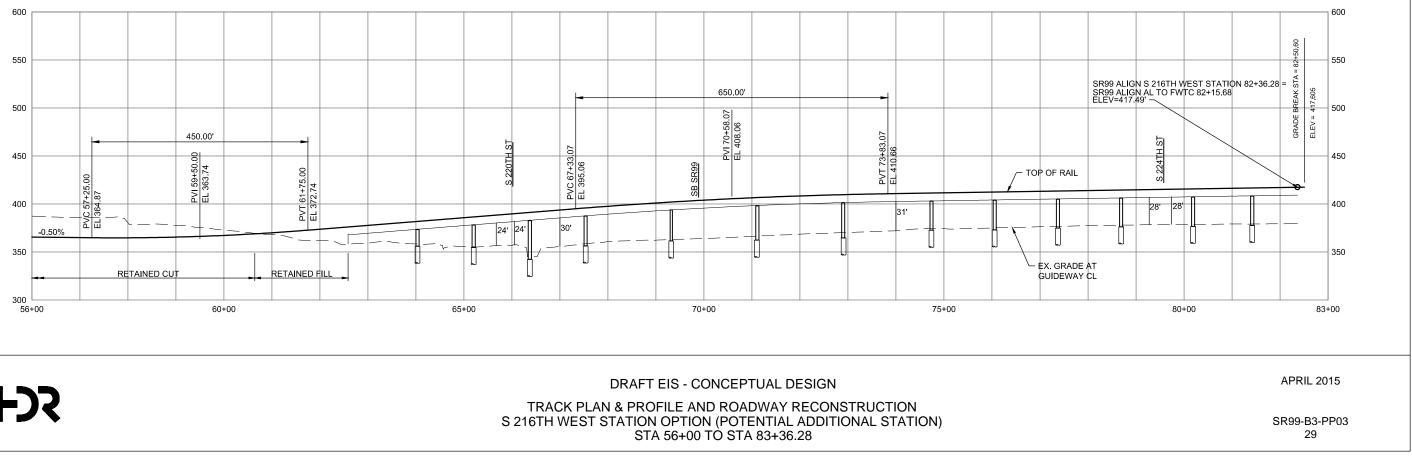
TRACK PLAN & PROFILE ROADWAY RECONSTRUCTION S 216TH WEST STATION OPTION (POTENTIAL ADDITIONAL STATION) STA 30+00 TO STA 56+00



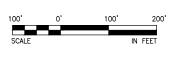
APRIL 2015

SR99-B2-PP02 28

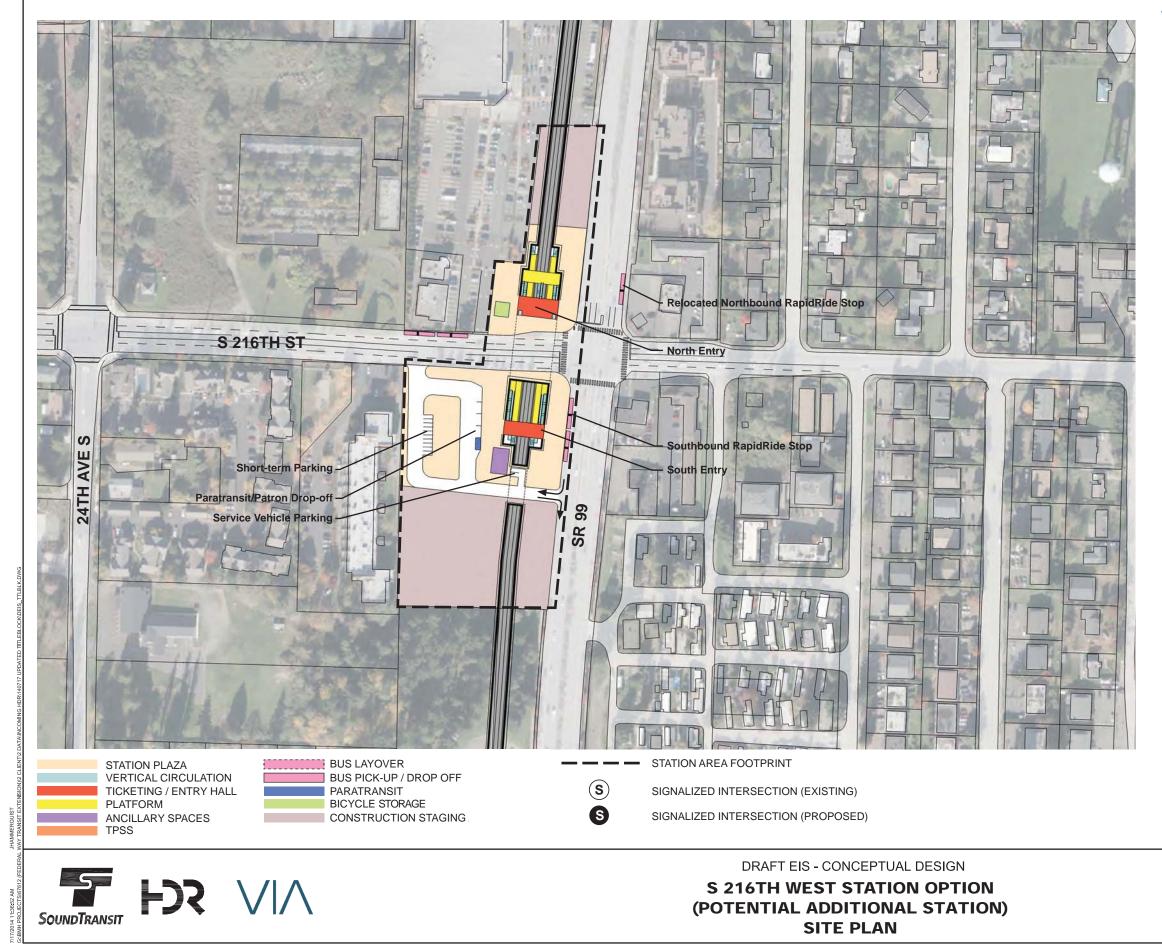




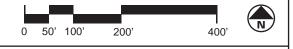
5 **FX SOUNDTRANSIT**





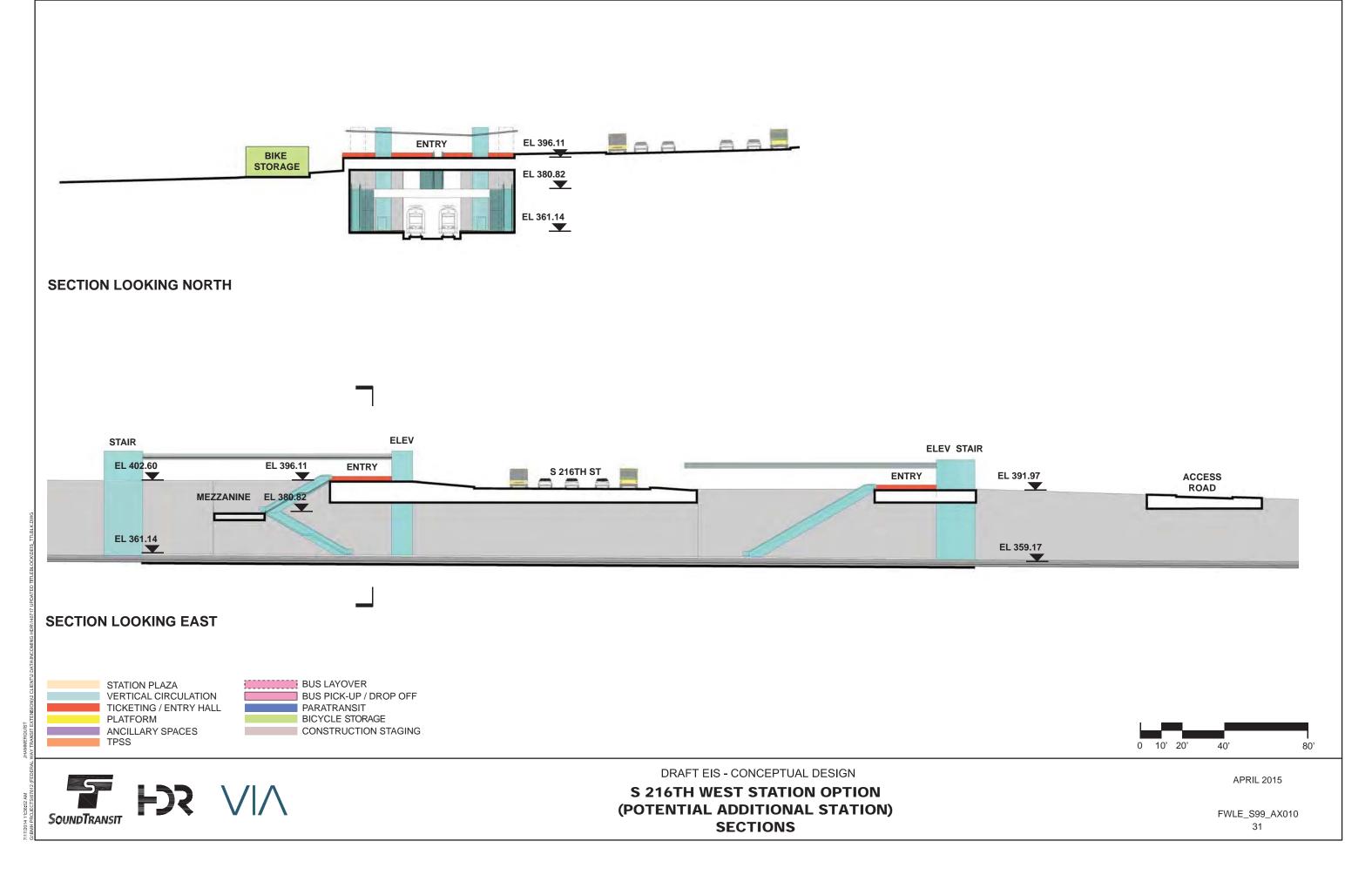


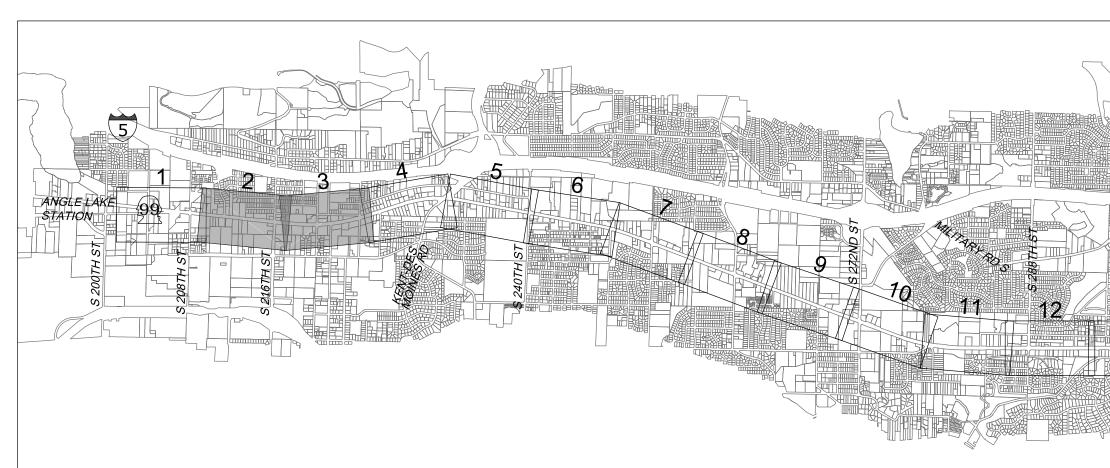
| SR 99; SR 99 to I-5 |
|-----------------------------------|
| 1,000 |
| |
| In-Line |
| Side Platform - Trench |
| 14' |
| N/A |
| No |
| No |
| |
| |
| N/A |
| 1,200 |
| 1,200 |
| |
| 2 |
| 5 |
| 5 |
| 4 |
| 4 |
| |
| |
| 1 bay southbound at SR 99, two 60 |
| coaches; |
| 1 bay westbound at S 216th, two |
| 60' coaches |
| N/A |
| On-street at SR 99 |
| N/A |
| N/A |
| 1 space |
| Tier 2 |
| |
| 900 SF |
| 2 spaces |
| 7 to 10 spaces |
| N/A |
| 2 spaces, combined |
| |
| N/A |
| |



APRIL 2015

FWLE_S99_AP010 30



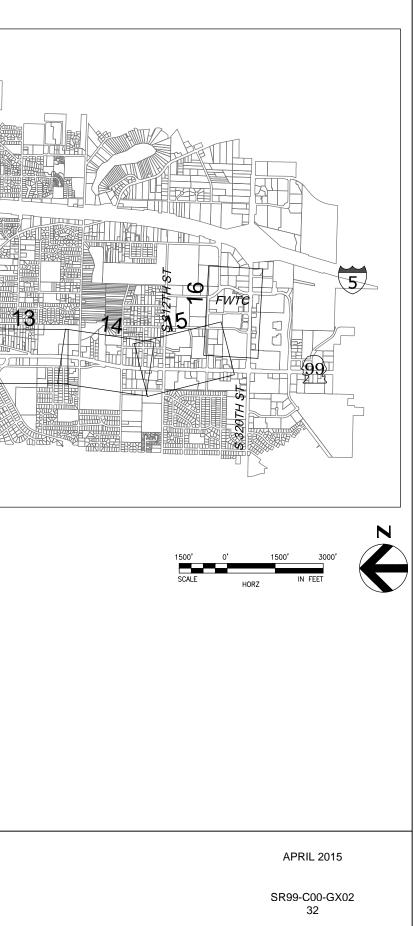


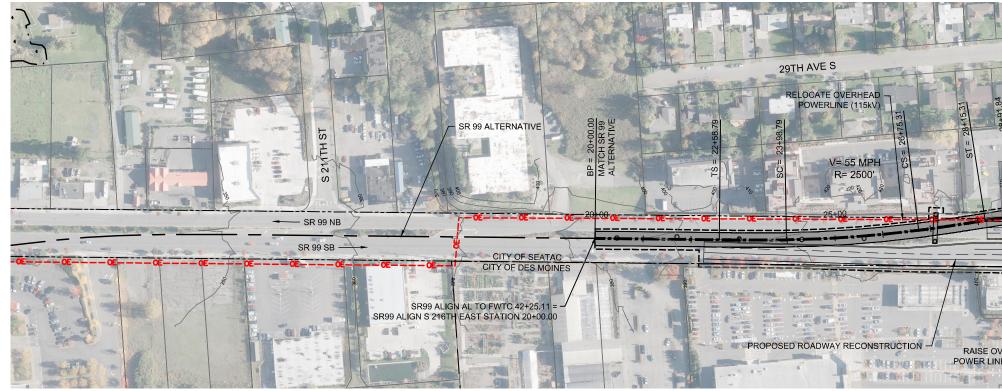
| | | | SR99 SH | HEET LA | YOUT M | ATRIX | | | | | | | | | | |
|--|---|---|---------|---------|--------|-------|---|---|---|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| A - SR 99 ALTERNATIVE | Х | x | x | х | x | х | x | x | x | x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

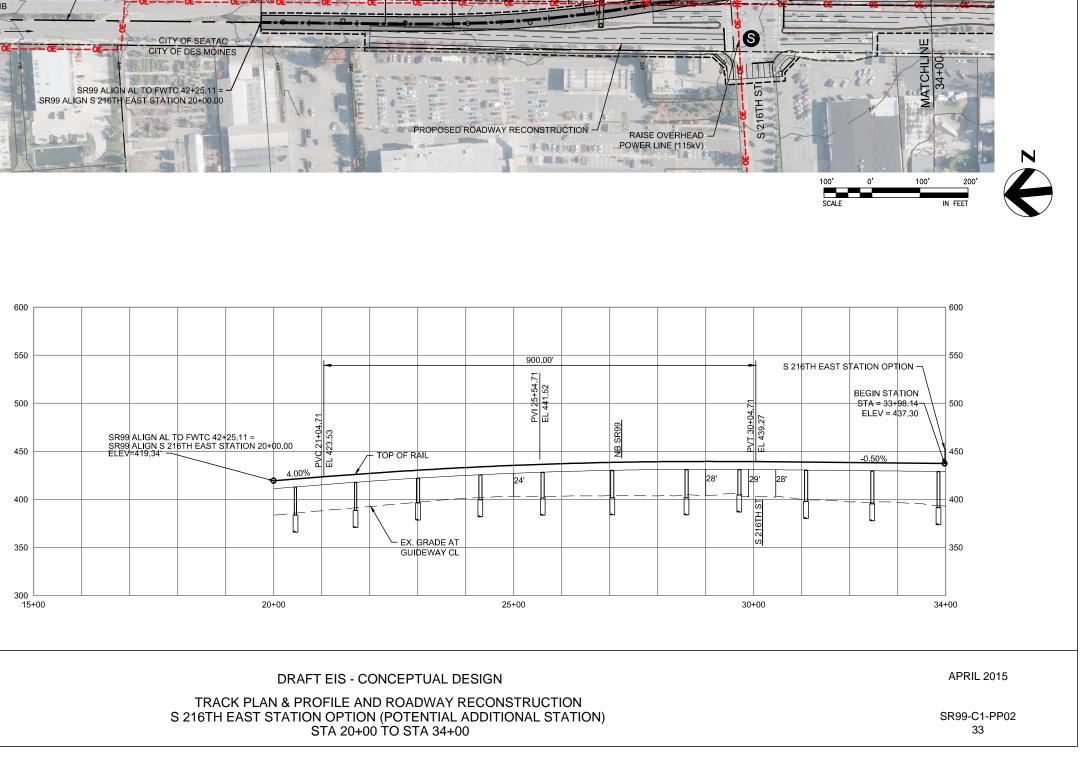
I - NOT USED



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







S 216TH EAST STATION OPTION

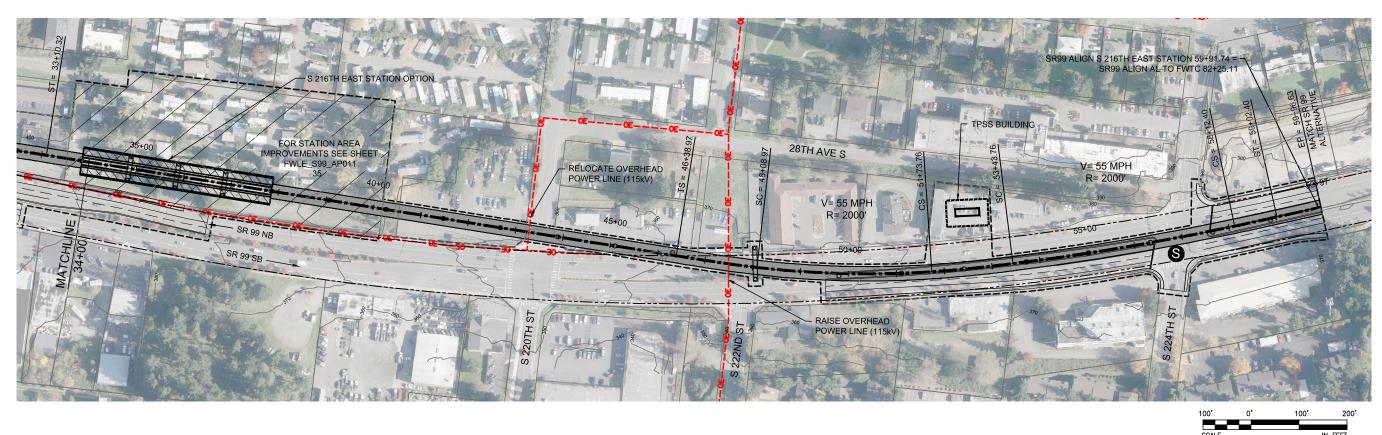
28TH AVE S

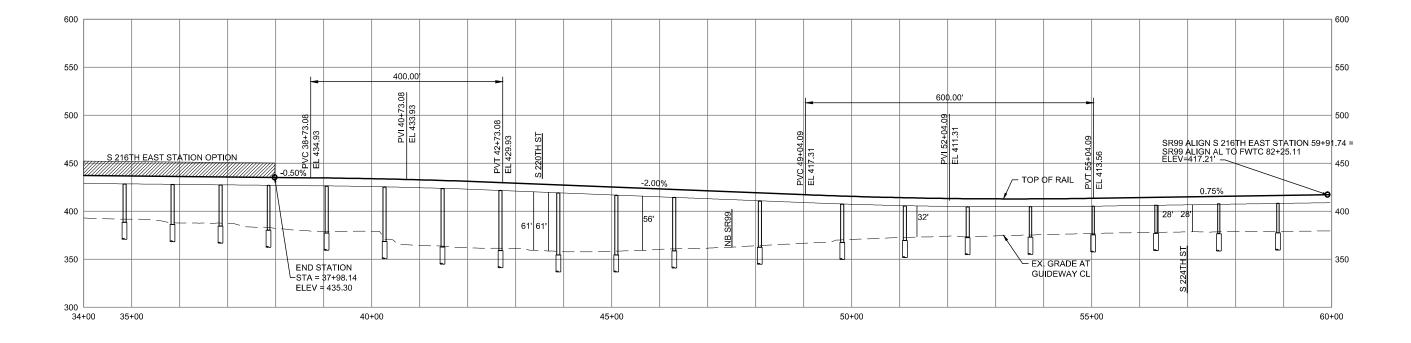
V= 55 MPH

R= 2000'

32

5 **H**R SoundTransit





SOUNDTRANSIT

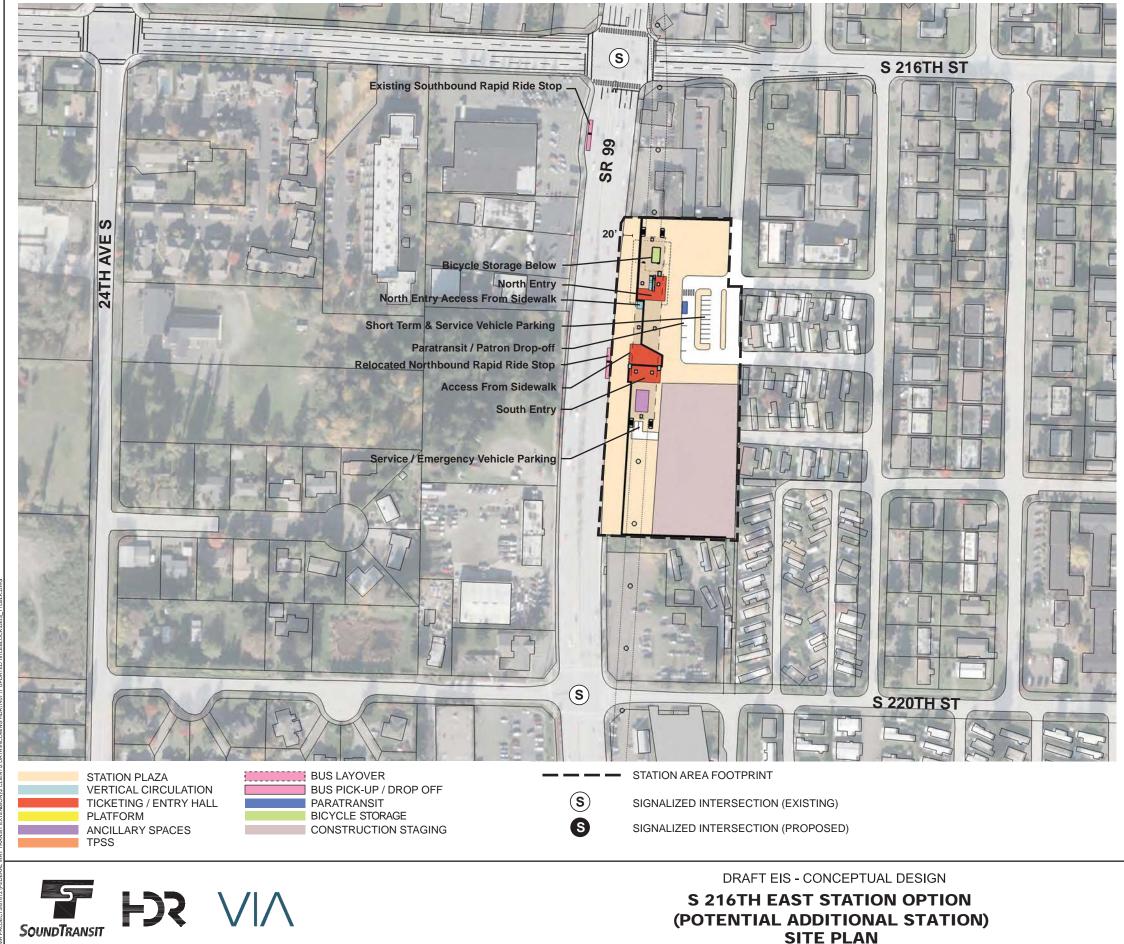
DRAFT EIS - CONCEPTUAL DESIGN

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

SR99-C2-PP03 34

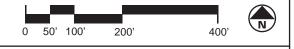
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| ASSUMPTIONS: |
|---------------------|
|---------------------|

| 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 |
| | 3 |
| # of staircases (patron) | ÷ |
| # 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 |
| | |
| Pus have (ST) | 60' coaches N/A |
| Bus bays (ST) | |
| 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/emer. vehicle park. | 2 spaces, combined |
| Signal bungalow / TPSS park. | N/A |
| Patron parking | N/A |
| ration parking | N/A |



APRIL 2015

FWLE_S99_AP011 35

