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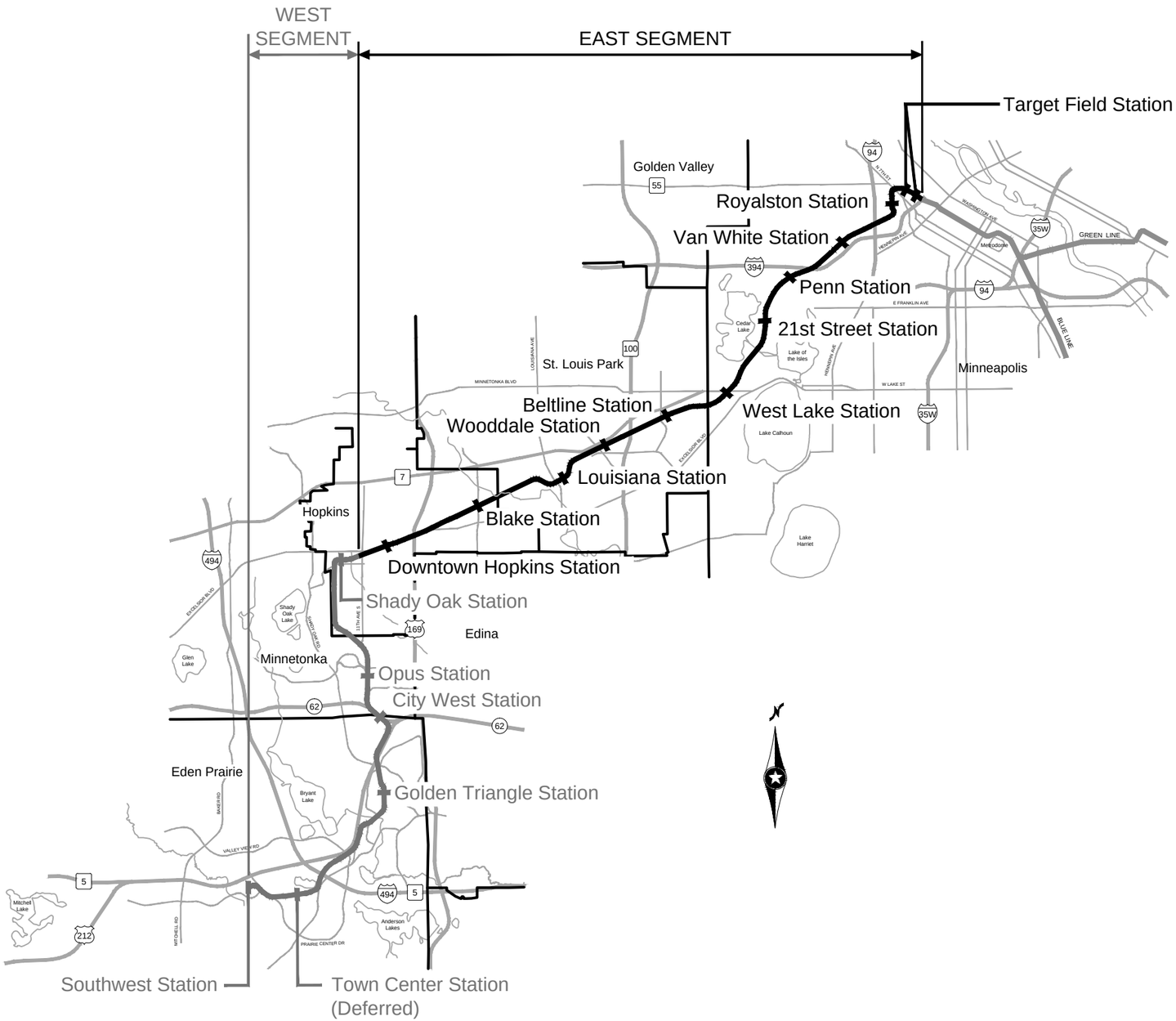

SOUTHWEST
Green Line LRT Extension

METROPOLITAN COUNCIL

EAST SEGMENT 4

TRACK WORK/CIVIL
REVISED PRELIMINARY DESIGN PLANS FOR MUNICIPAL CONSENT
(07/23/2015)

MN STATUTE 473.3994

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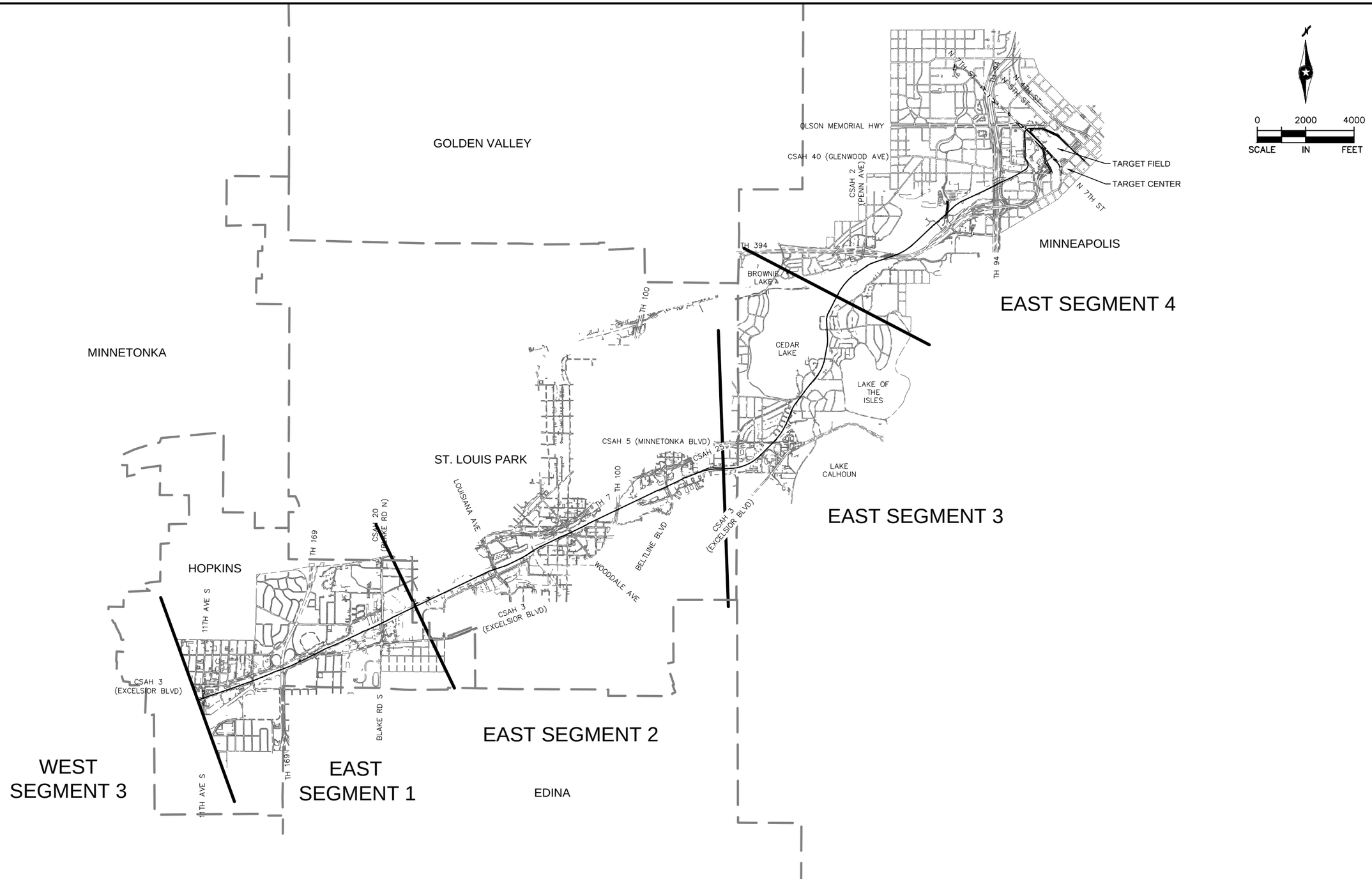
ARCHITECTURAL DRAWING-S
63 STATION LAYOUTS

AECOM Kimley»Horn

PRELIMINARY - NOT FOR CONSTRUCTION

Jul, 22 2015 09:54 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\GENERAL\E4-GEN-CVR.dwg By: V-KriewaMR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
GENERAL
SEGMENT KEY MAP

DISCIPLINE: GENERAL

SHEET NAME: E4-GEN-KEY - 001

SHEET 2 OF 63

Jul, 16 2015 07:22 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\GENERAL\E4-GEN-KEY.dwg By: Wedgehr

TRACK SYMBOLS

- PROPOSED SIGNALIZED INTERSECTION
- EXISTING SIGNALIZED INTERSECTION
- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- AUTOMATIC GATE
- RAIL TURNOUT
- RAIL CROSSOVER (DOUBLE)
- RAIL CROSSOVER (SINGLE)
- POINT OF SWITCH (PS)
- W2-200 — RAILROAD CURVE NUMBER

NOTE:
ALL TURNOUTS AND CROSSOVERS TO BE EQUIPPED WITH POWER SWITCH MACHINES AND SWITCH HEATERS

CIVIL SYMBOLS

- ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
- PROPOSED SIGNALIZED INTERSECTION
- EXISTING SIGNALIZED INTERSECTION
- PROPOSED DIRECTIONAL LANE USE
- EXISTING DIRECTIONAL LANE USE
- AUTOMATIC GATE
- HANDICAP PARKING STALL
- TACTILE WARNING STRIP
- TPSS BUILDING (TPSS-SW###)
- SIGNAL OR INTERMEDIATE OR PLATFORM OR XING OR TUNNEL HOUSE OR ANY COMBINATION OF THESE

TRACK LINETYPES

- ROADWAY ℄
- TRACK ℄
- RETAINING WALL
- BALLAST CURB
- TUNNEL WALL
- FENCE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE

CIVIL LINETYPES

- ROADWAY ℄
- TRACK ℄
- CONCRETE CURB AND GUTTER
- TRAIL
- SIDEWALK
- DRIVEWAY
- BRIDGE
- RETAINING WALL
- TUNNEL WALL
- CROSSWALK
- STOP BAR
- MEDIAN NOSE
- SAWCUT
- FENCE
- DELINEATED WETLAND
- WATER EDGE
- EX ROW
- PROP ROW
- PROP TCE
- PROP PE
- CONCRETE SIDEWALK JOINTING

TRAIL INDEX

ABBREVIATED NAME	FULL NAME / LOCATION
TRAIL 1	UNDER RED CIRCLE DR, LRT, AND YELLOW CIRCLE DR
TRAIL 2	FROM TRAIL 1 TO GREEN CIRCLE DR
TRAIL 3	OPUS STATION ACCESS FROM BREN RD E
TRAIL 4	FROM BREN RD W TO TRAIL 5
TRAIL 5	FROM OPUS STATION TO GREEN CIRCLE DR
TRAIL 6	FROM TRAIL 5 TO SMETANA RD
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/FROM SHADY OAK STATION TO 11TH AVE
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL TRAIL/WEST OF EXCELSIOR
CEDAR LAKE TRAIL	CEDAR LAKE LRT REGIONAL LRT TRAIL/BETWEEN EXCELSIOR AND KENILWORTH TRAIL CONNECTION
MIDTOWN GREENWAY	MIDTOWN GREENWAY/EAST OF KENILWORTH TRAIL CONNECTION
TRAIL A	KENILWORTH TRAIL (SECONDARY)/BETWEEN CEDAR-ISLES CHANNEL AND 21ST STREET STATION
TRAIL B	KENILWORTH TRAIL (SECONDARY)/BETWEEN 21ST STREET STATION AND PENN STATION
TRAIL B	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL C	10' CONNECTOR TRAIL FROM CEDAR LAKE LRT REGIONAL TRAIL TO TYLER AVE.
TRAIL D	10' CONNECTOR TRAIL/BELTLINE STATION TO CEDAR LAKE LRT REGIONAL TRAIL
KENILWORTH TRAIL	KENILWORTH TRAIL (MAIN)/W LAKE ST TO PENN STATION
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/PENN STATION TO TH 394
TRAIL E	KENILWORTH TRAIL (SECONDARY)/EAST OF W LAKE ST
TRAIL F	KENILWORTH TRAIL (SECONDARY)/WEST OF CEDAR LAKE PKWY
TRAIL G	KENILWORTH TRAIL (SECONDARY)/WEST OF PENN STATION
TRAIL G	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL H	10' CONNECTOR TRAIL/EAST OF PENN STATION TO KENWOOD PKWY
TRAIL I	NOT USED
CEDAR LAKE TRAIL	CEDAR LAKE TRAIL (MAIN)/AT-GRADE CROSSING AT PENN STATION
TRAIL J	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL K	CEDAR LAKE TRAIL (SECONDARY)/NORTHWEST OF PENN STATION
TRAIL L	CEDAR LAKE TRAIL (SECONDARY)/EAST OF PENN STATION
TRAIL M	NOT USED
TRAIL N	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO EDGEBROOK DRIVE
TRAIL O	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO W LAKE STREET
TRAIL P	8' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO LOUISIANA AVE
TRAIL Q	10' CONNECTOR TRAIL FROM CEDAR LAKE TRAIL TO TH 7 SERVICE ROAD
TRAIL R	20' CONNECTOR TRAIL FROM VAN WHITE STATION TO CEDAR LAKE TRAIL
TRAIL S	NOT USED
TRAIL T	8' CONNECTOR TRAIL FROM VAN WHITE STATION TO VAN WHITE MEMORIAL BLVD
TRAIL U	10' TRAIL PARALLEL TO CEDAR LAKE PKWY
LUCE LINE TRAIL	LUCE LINE REGIONAL TRAIL/ON BRIDGE OVER LIGHT RAIL
TRAIL V	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL
TRAIL W	CONNECTOR TRAIL TO LUCE LINE REGIONAL TRAIL WEST OF LIGHT RAIL

ABBREVIATIONS

AD	ALGEBRAIC DIFFERENCE	OCS	OVERHEAD CONTACT SYSTEM
AVE	AVENUE	OH	OVERHEAD
BGN	BEGIN	PC	POINT OF CURVE
BP	BEGINNING POINT	PE	PROPOSED EASEMENT
BVCE	BEGINNING VERTICAL CURVE ELEVATION	PITO	POINT OF INTERSECTION OF TURNOUT
BVCS	BEGINNING VERTICAL CURVE STATION	PKWY	PARKWAY
BLVD	BOULEVARD	POT	POINT ON TANGENT
BNSF	BURLINGTON NORTHERN SANTA FE RAILWAY	PROP	PROPOSED
C&G	CURB AND GUTTER	PS	POINT OF SWITCH
℄	CENTERLINE	PT	POINT OF TANGENT
CP	CANADIAN PACIFIC	PVI	POINT OF VERTICAL INTERSECTION
CPRAIL	CANADIAN PACIFIC RAILWAY	R	RADIUS (FEET)
CS	CURVE TO SPIRAL	r	RATE OF CHANGE VERTICAL CURVE
CSAH	COUNTY STATE AID HIGHWAY	RH	RIGHT HAND
DF	DIRECT FIXATION	ROW	RIGHT OF WAY
DR	DRIVE	S	SOUTH
Ea	ACTUAL SUPERELEVATION (INCHES)	SB	SOUTH BOUND
EB	EAST BOUND	SC	SPIRAL TO CURVE
ELEV	ELEVATION	SIG-COMM	SIGNAL COMMUNICATION
EP	END POINT	ST	STREET
Eu	UNBALANCED SUPERELEVATION (INCHES)	ST	SPIRAL TO TANGENT
EVCE	ENDING VERTICAL CURVE ELEVATION	STA	STATION
EVCS	ENDING VERTICAL CURVE STATION	TCE	TEMPORARY CONSTRUCTION EASEMENT
EX	EXISTING	TOR	TOP OF RAIL
HCRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY	TPSS	TRACTION POWER SUBSTATION
LH	LEFT HAND	TRK	TRACK
Ls	SPIRAL LENGTH (FEET)	TS	TANGENT TO SPIRAL
MPLS	CITY OF MINNEAPOLIS	UG	UNDERGROUND
MPRB	MINNEAPOLIS PARK AND RECREATION BOARD	V	DESIGN VELOCITY (MPH)
N	NORTH	WB	WEST BOUND
NB	NORTH BOUND		
NO	NUMBER		

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
GENERAL
LEGEND AND ABBREVIATIONS

DISCIPLINE: GENERAL

SHEET NAME: E4-GEN-NTS - 001

SHEET 3 OF 63

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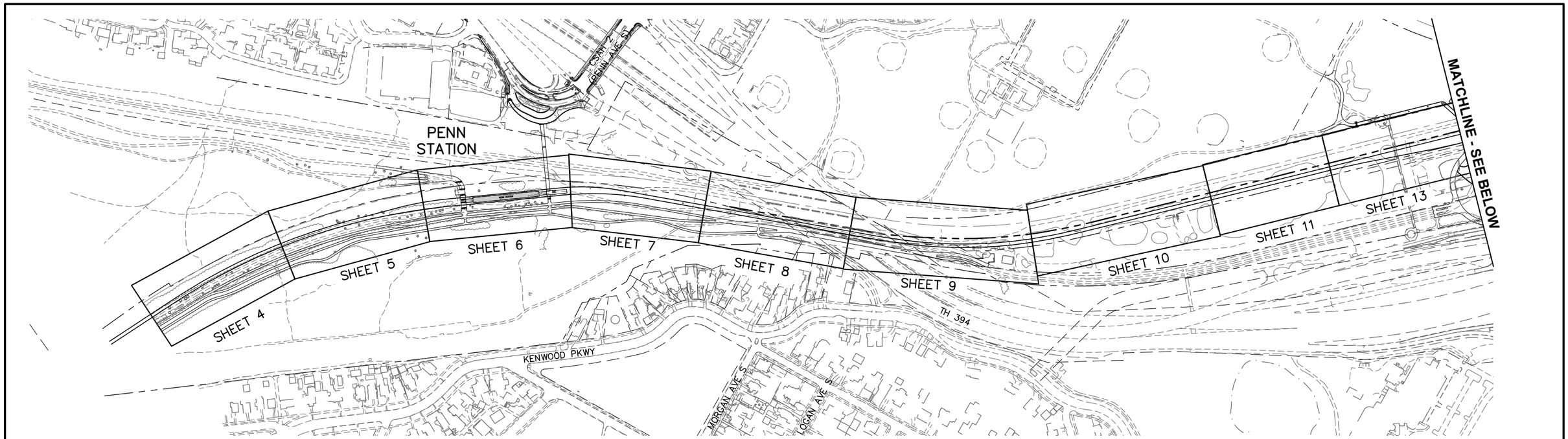

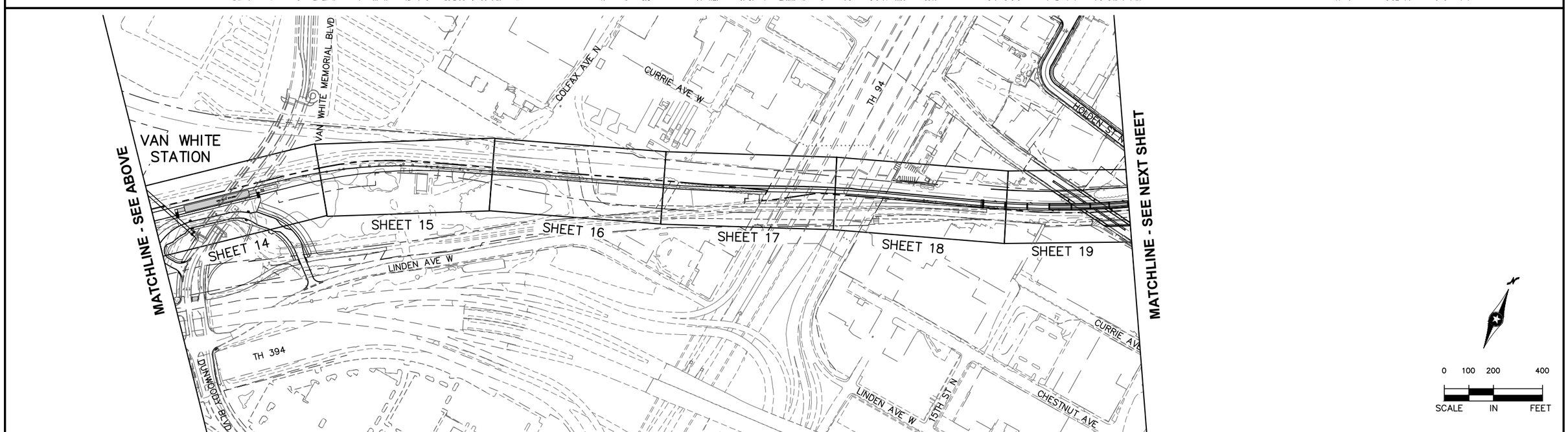

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SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
SHEET LAYOUT INDEX
SHEET 1 OF 2

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-IDX - 001

SHEET 4 OF 63

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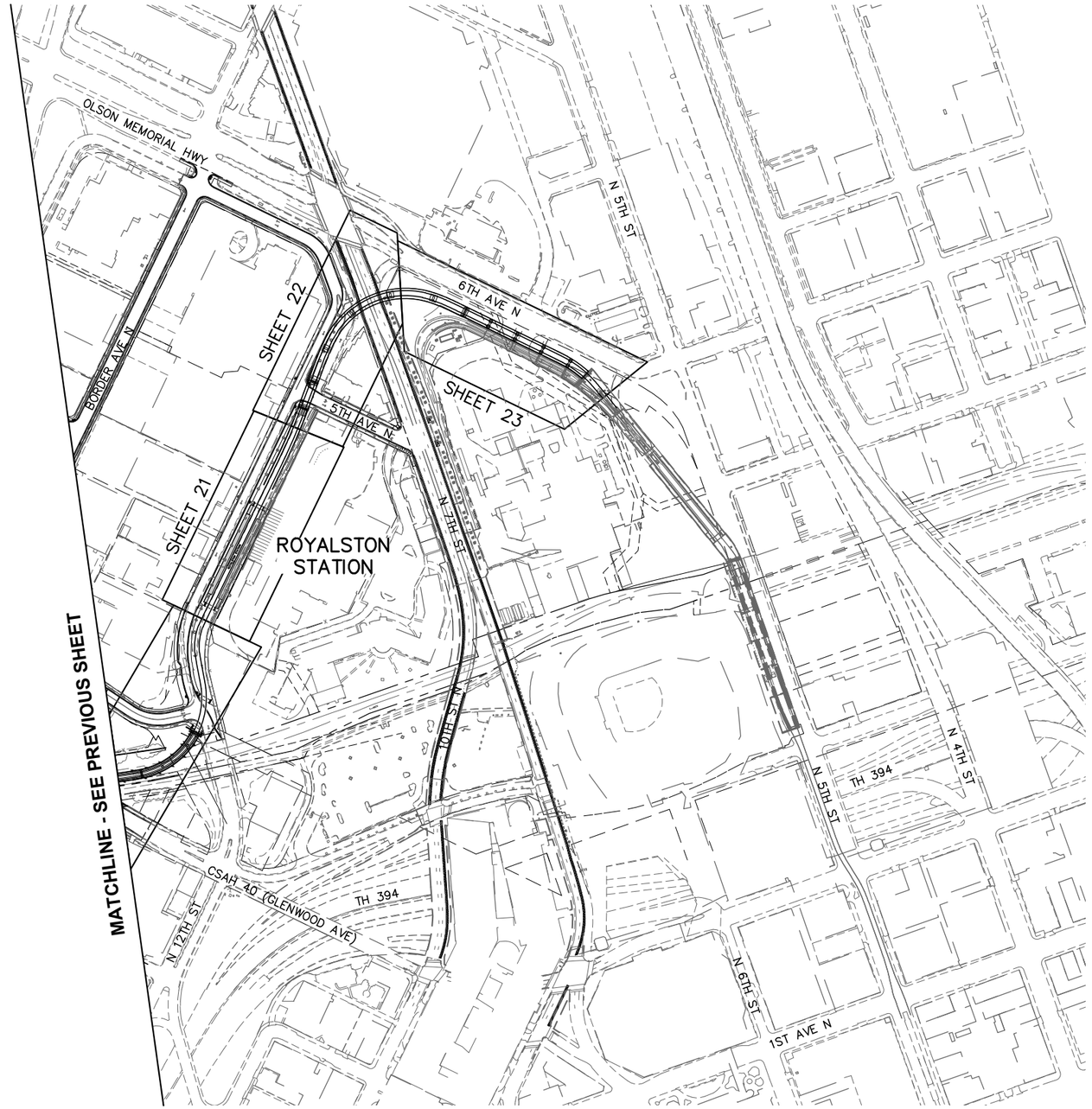

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SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
SHEET LAYOUT INDEX
SHEET 2 OF 2

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-IDX - 002

SHEET 5 OF 63

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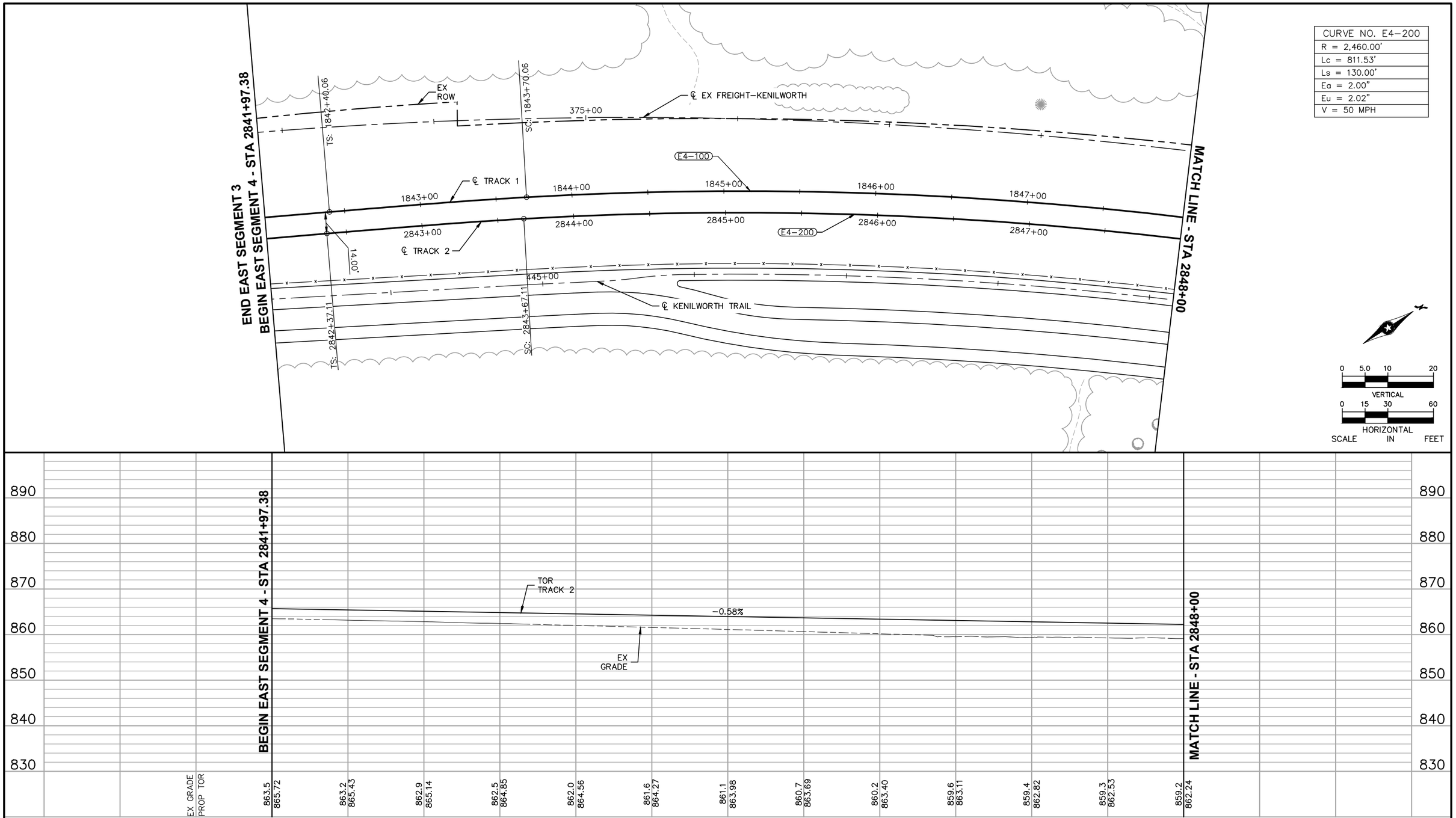
Ls = 130.00'
Ea = 2.00"
Eu = 2.02"
V = 50 MPH



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2841+97.38 TO STA 2848+00

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 001

SHEET 6 OF 63

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Ls = 130.00'
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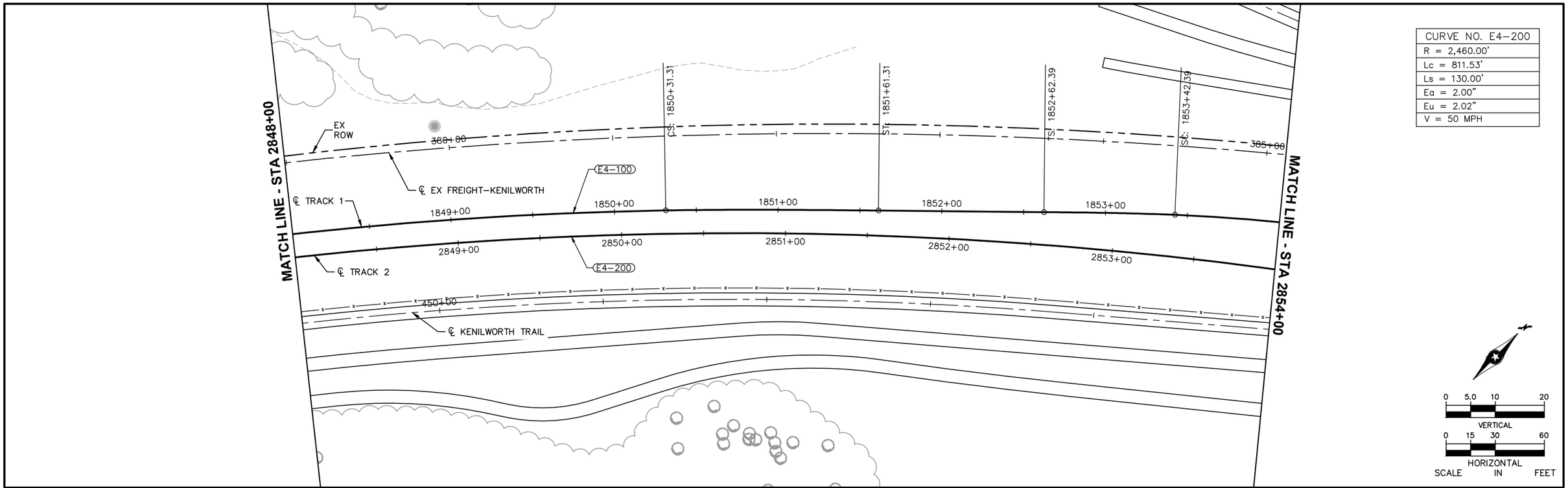
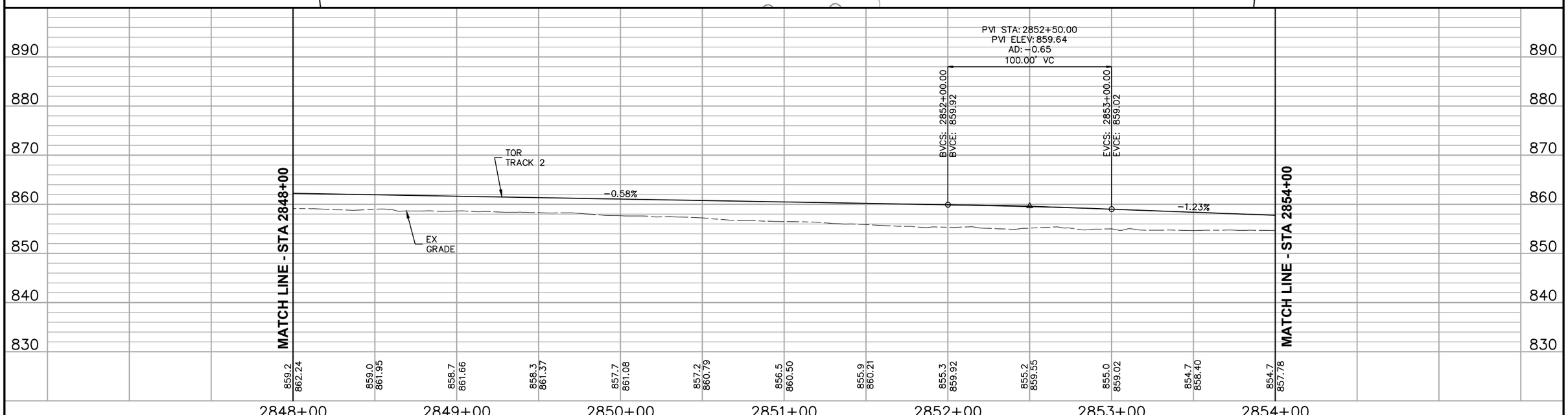
Eu = 2.02"
V = 50 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2848+00 TO STA 2854+00

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 002

SHEET 7 OF 63

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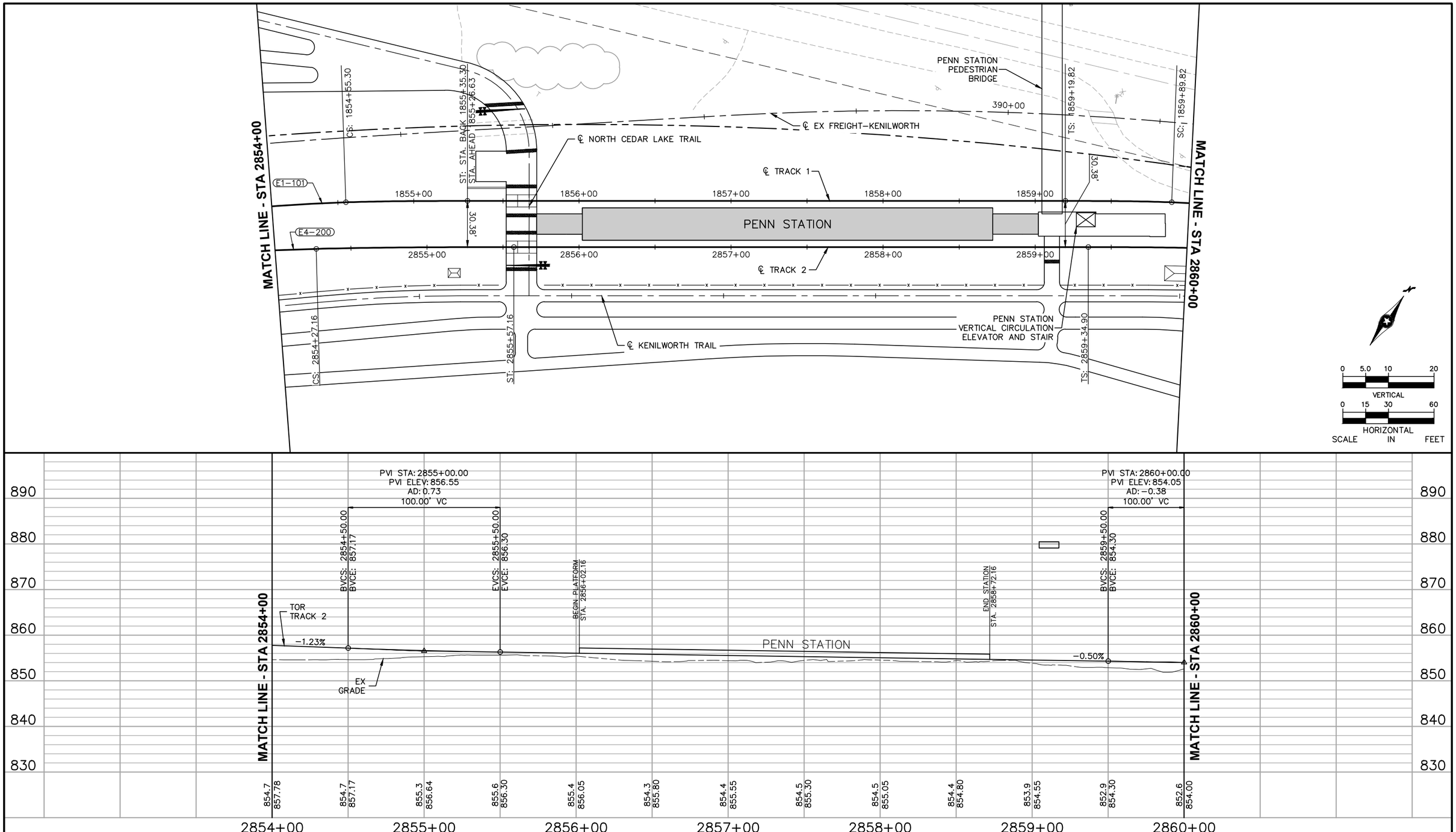

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2854+00 TO STA 2860+00

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 003

SHEET 8 OF 63

Jul, 21 2015 05:51 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-RosulL

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Ls = 130.00'
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Eu = 1.92"
V = 55 MPH

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Lc = 247.36'
Ls = 80.00'
Ea = 2.00"
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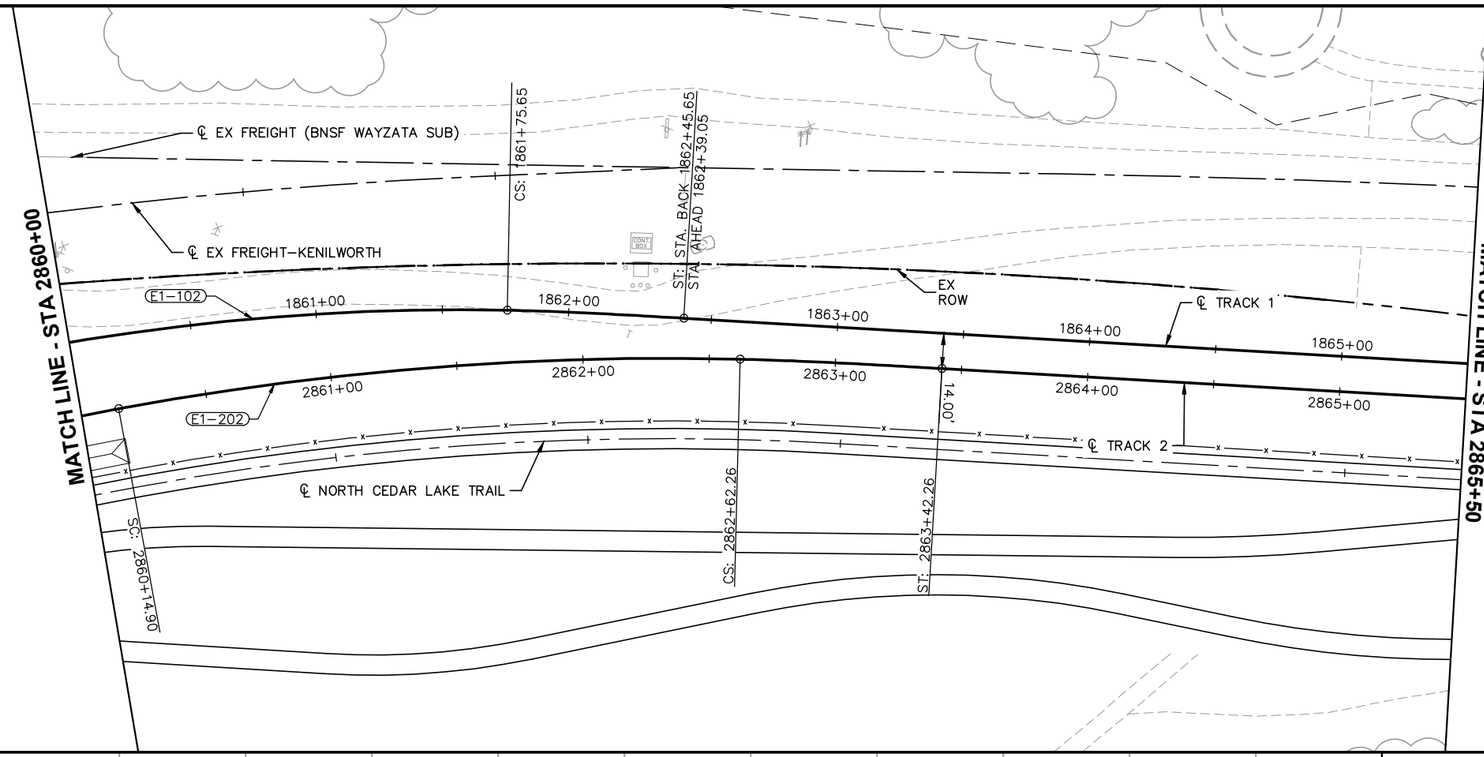
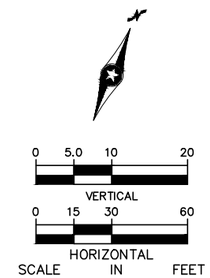
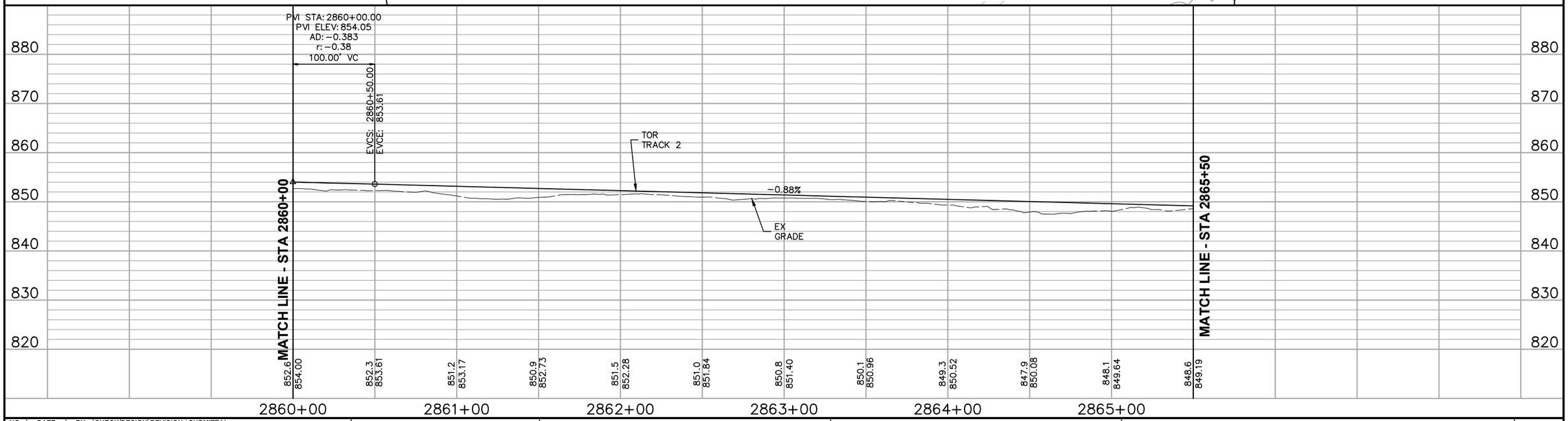
V = 35 MPH







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2860+00 TO STA 2865+50

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 004

SHEET 9 OF 63

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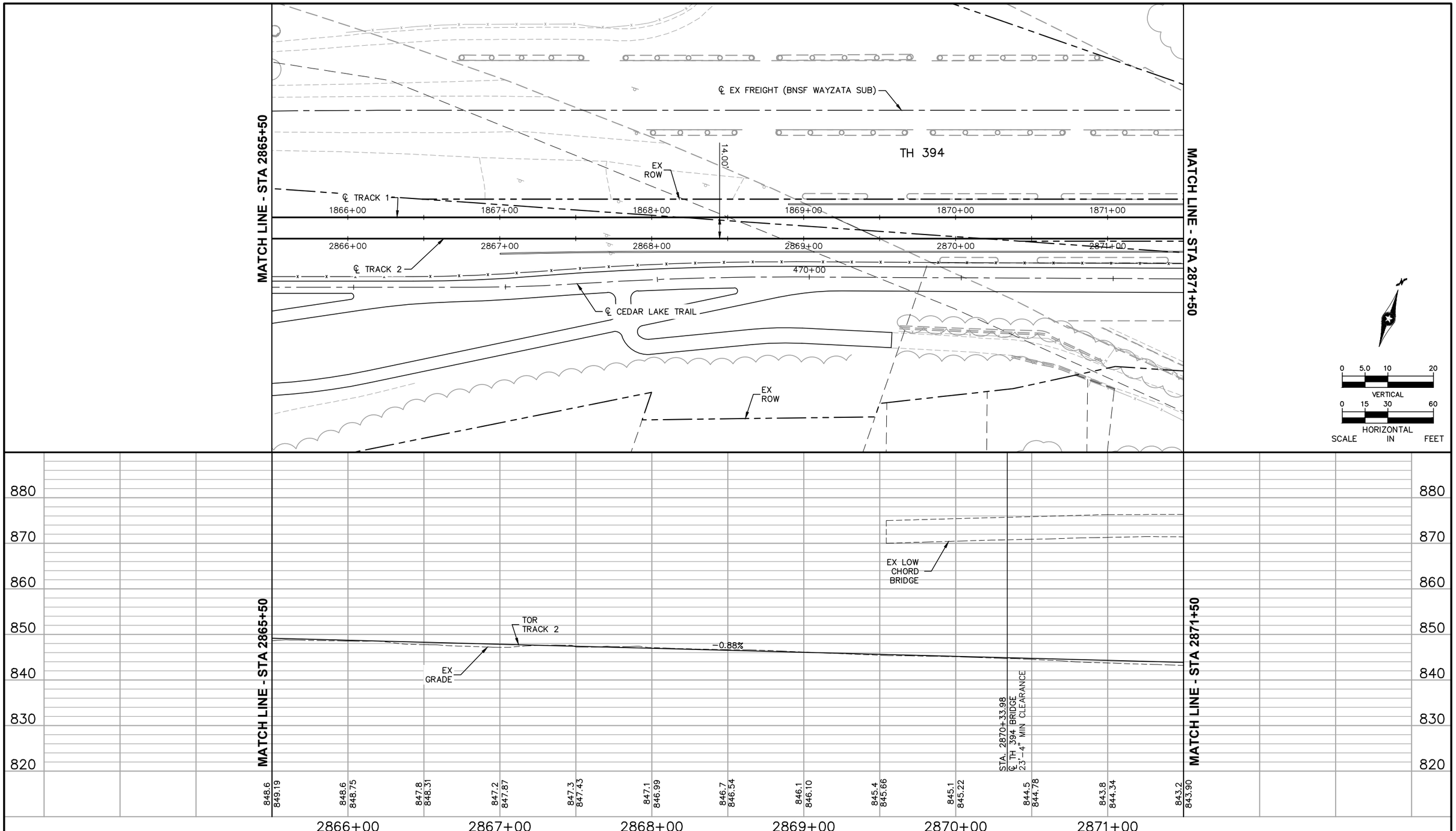

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

CIVIL EAST - VOLUME 7
TRACK
PLAN AND PROFILE
STA 2865+50 TO STA 2871+50

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 005

SHEET 10 OF 63

Jul, 21 2015 05:55 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-RasulL

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Ls = 200.00'
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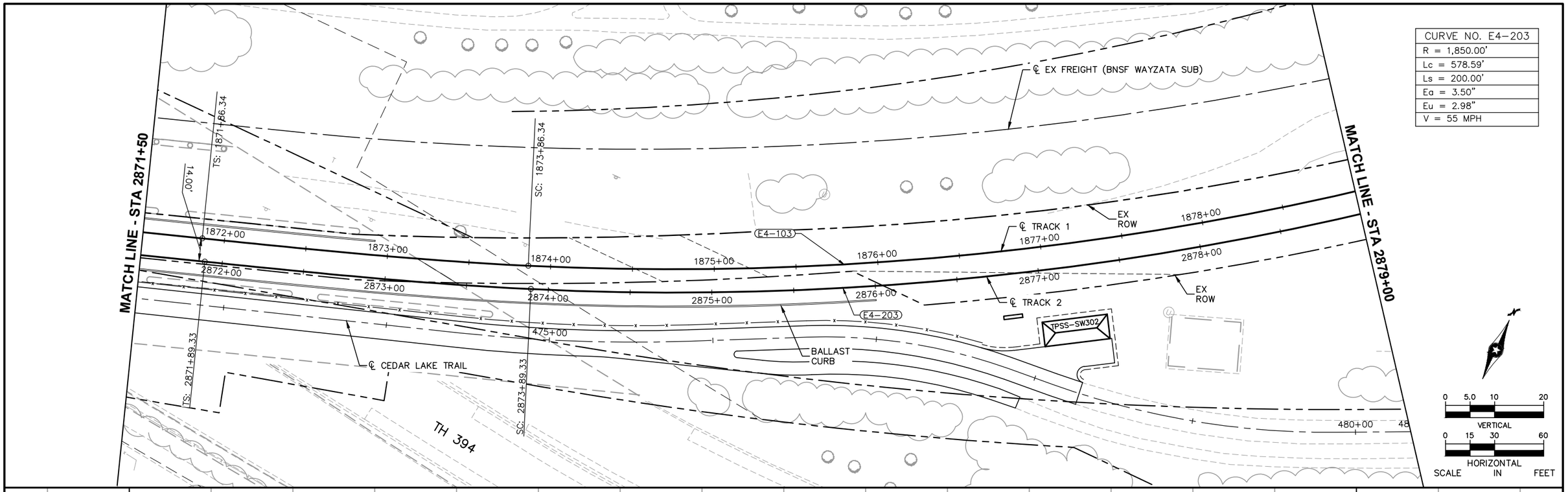
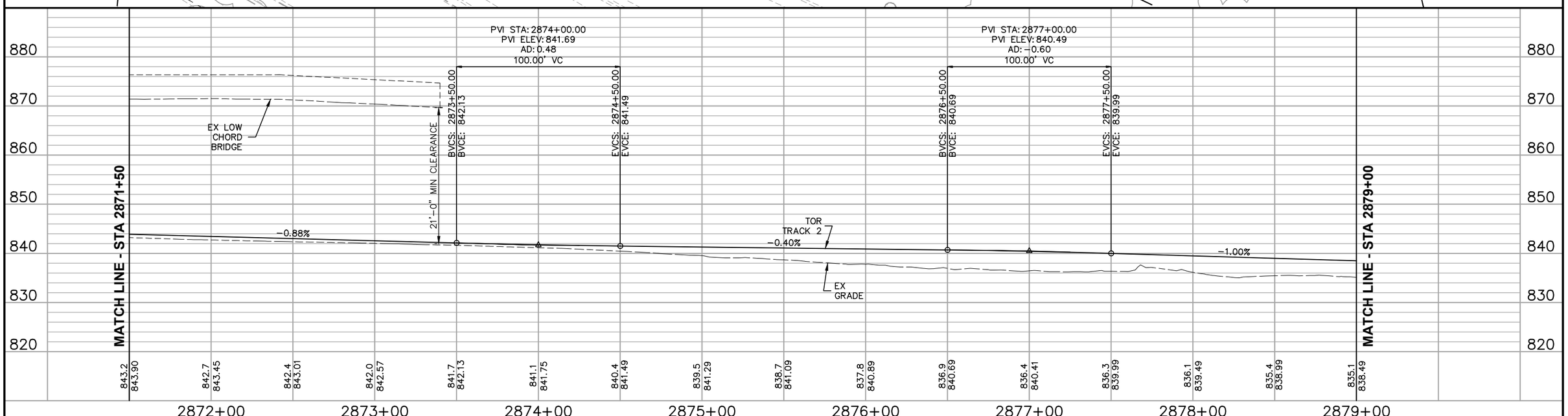
Eu = 2.98"
V = 55 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2871+50 TO STA 2879+00

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 006

SHEET 11 OF 63

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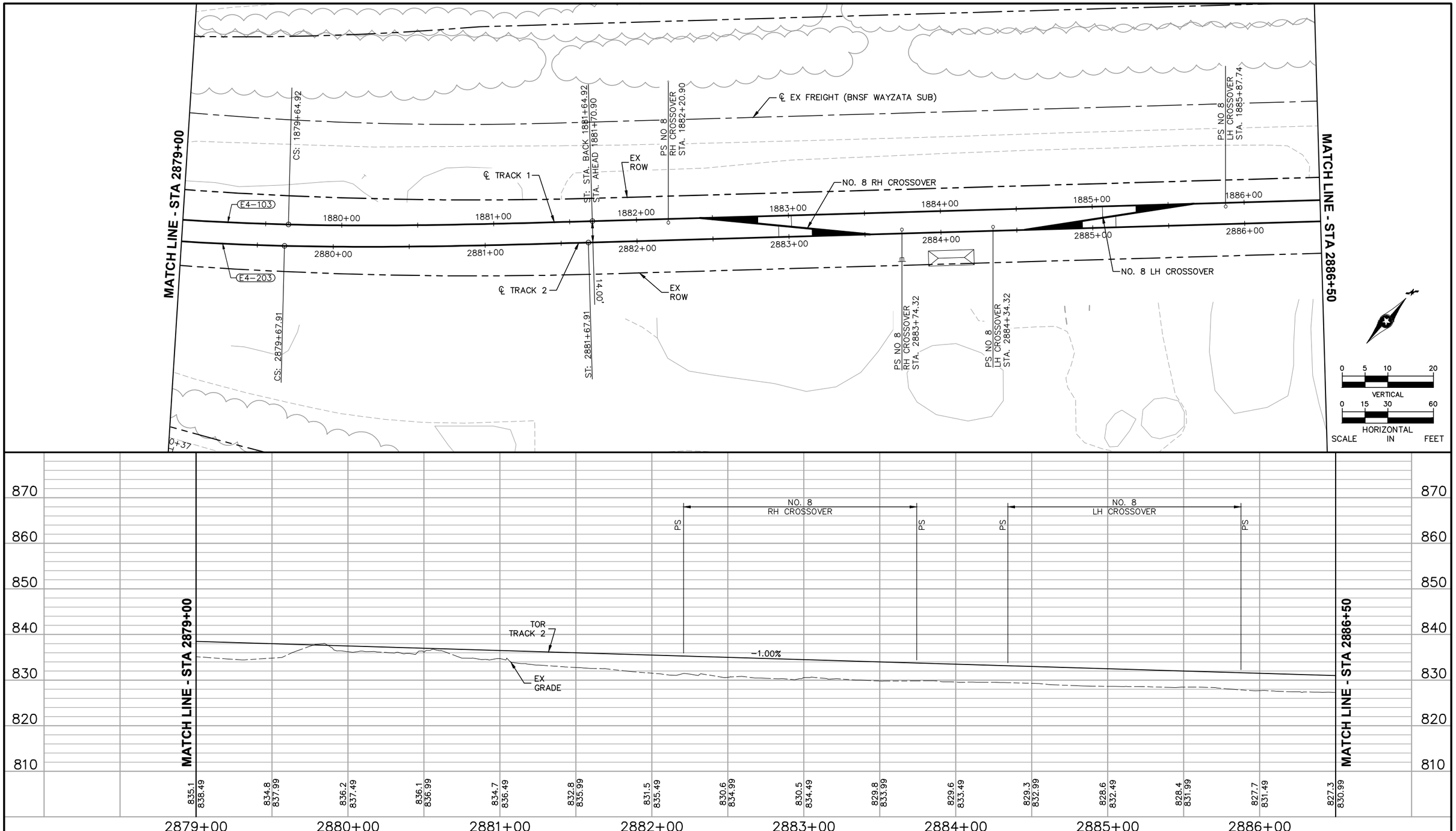

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2879+00 TO STA 2886+50

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 007

SHEET 12 OF 63

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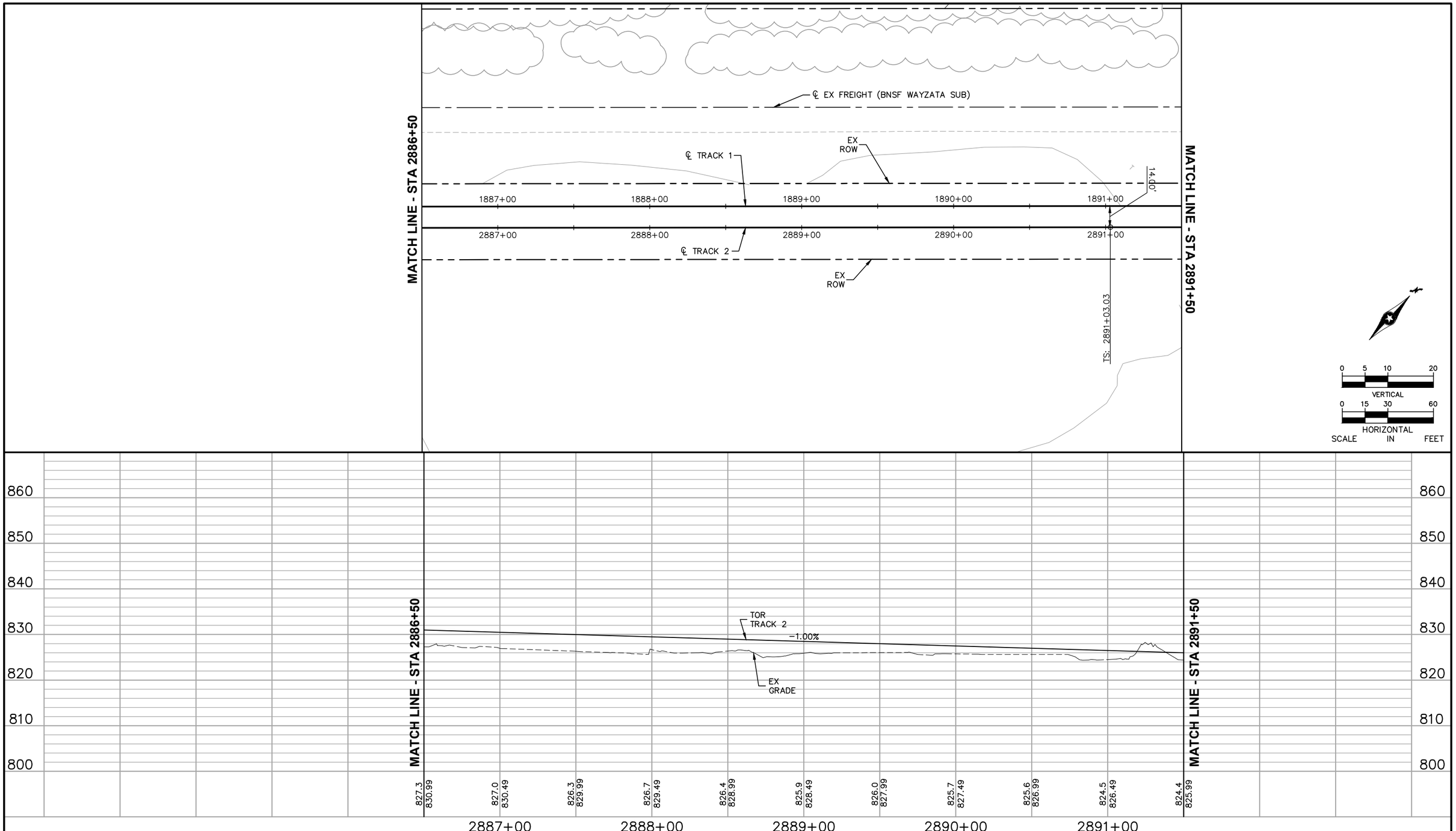

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2886+50 TO STA 2891+50

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 008

SHEET 13 OF 63

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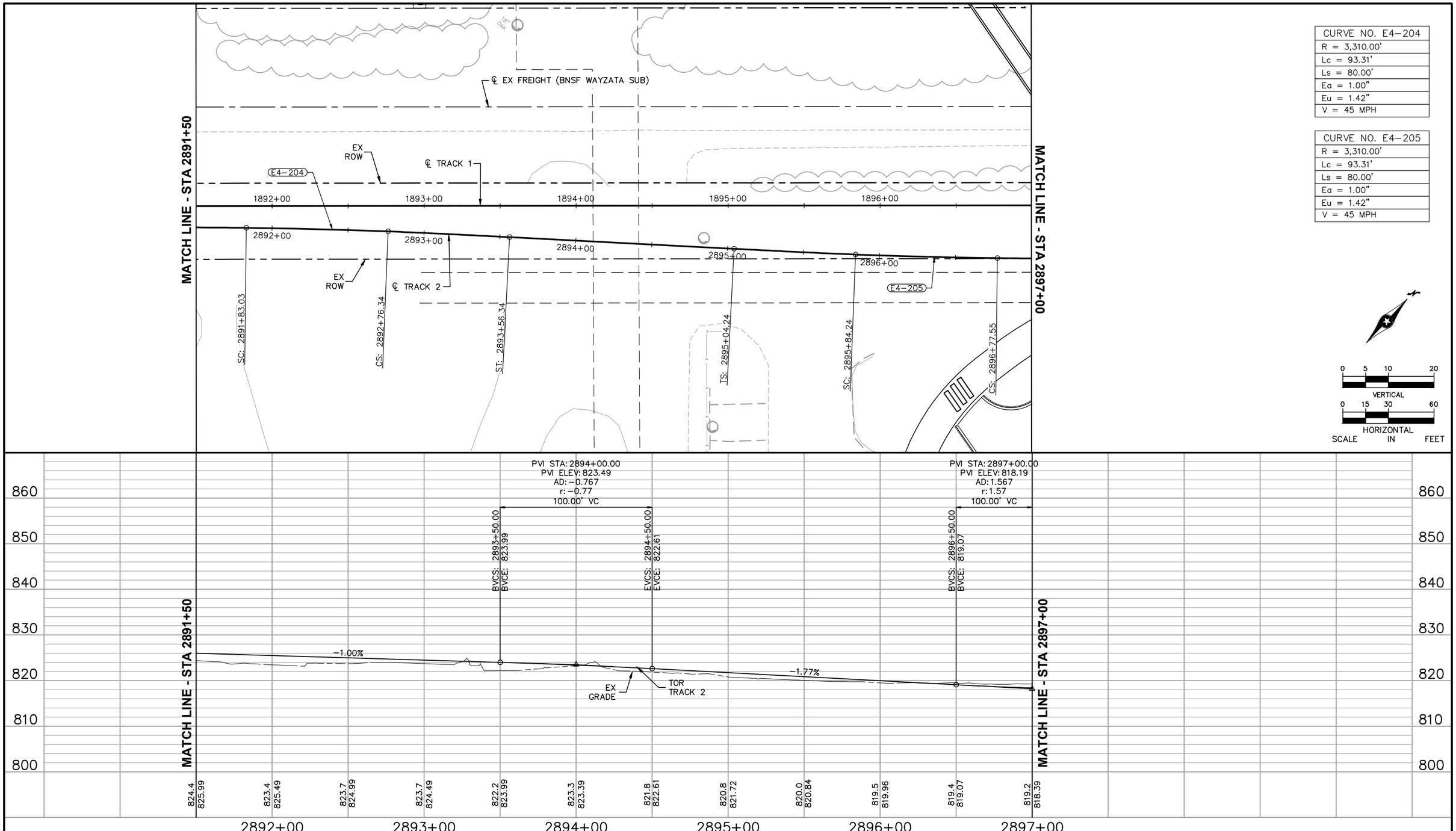

CURVE NO. E4–204
R = 3,310.00'
Lc = 93.31'
Ls = 80.00'
Ea = 1.00"
Eu = 1.42"
V = 45 MPH

CURVE NO. E4–205
R = 3,310.00'
Lc = 93.31'
Ls = 80.00'
Ea = 1.00"
Eu = 1.42"
V = 45 MPH

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2891+50 TO STA 2897+00

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 009

SHEET 14 OF 63

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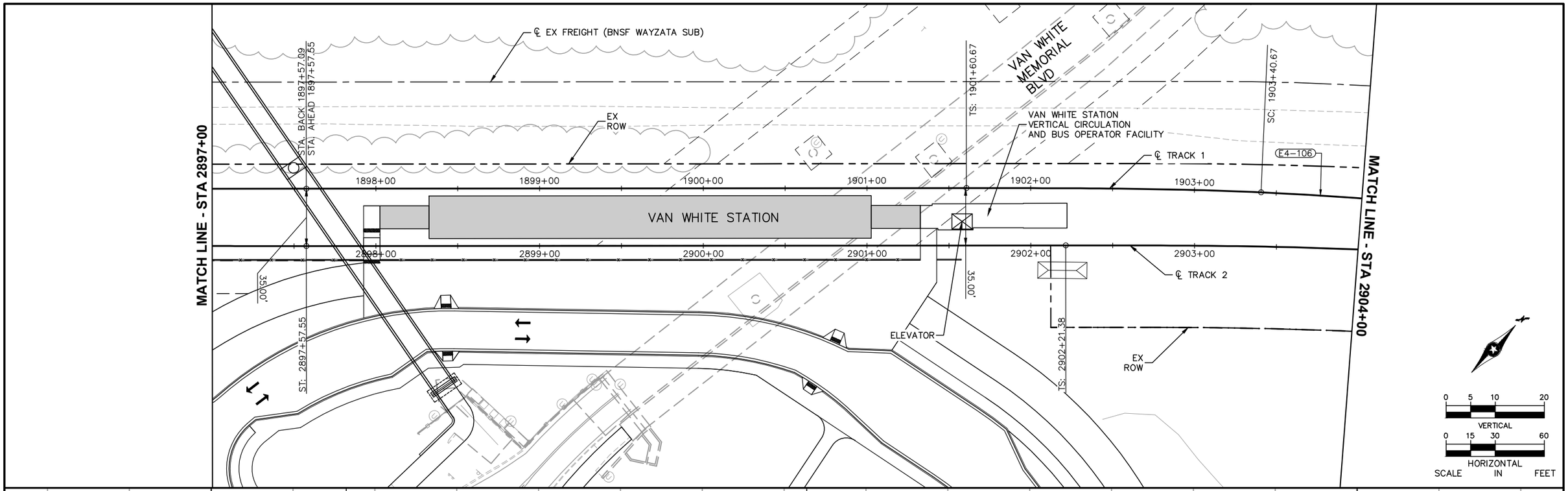
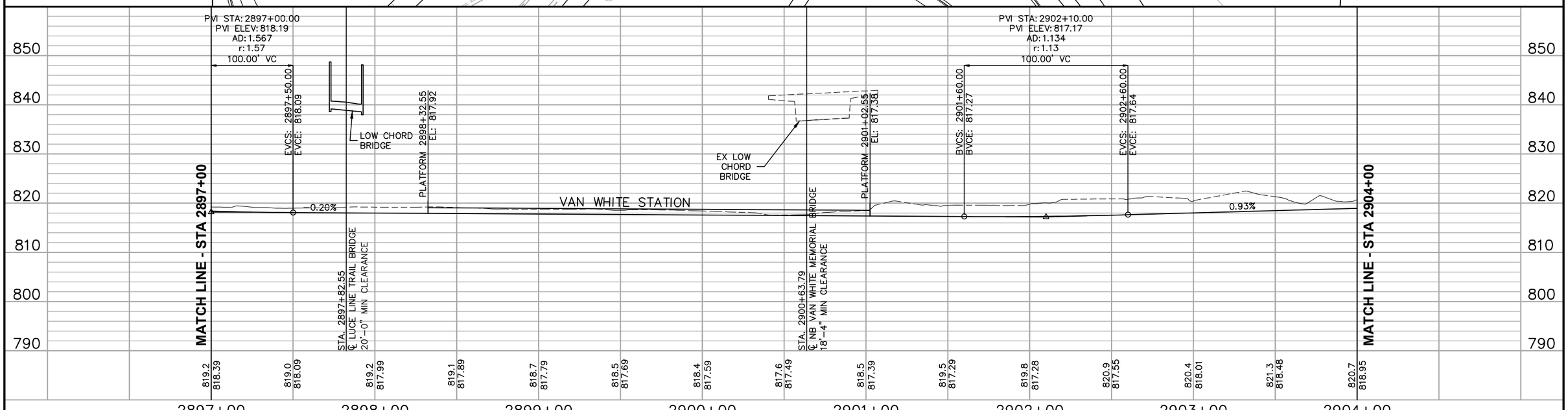




NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2897+00 TO STA 2904+00

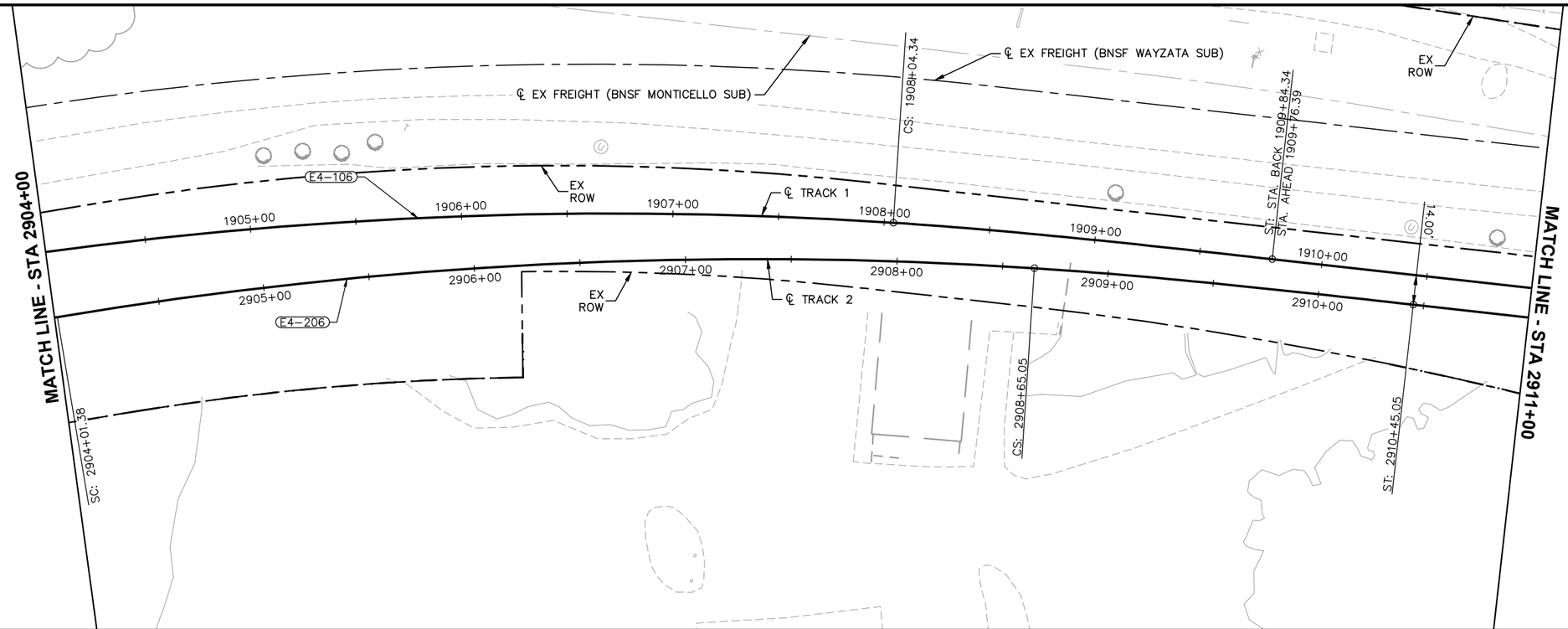
DISCIPLINE: TRACK

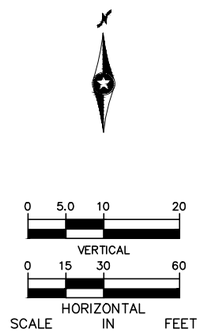
SHEET NAME: E4-TRK-PRF - 010

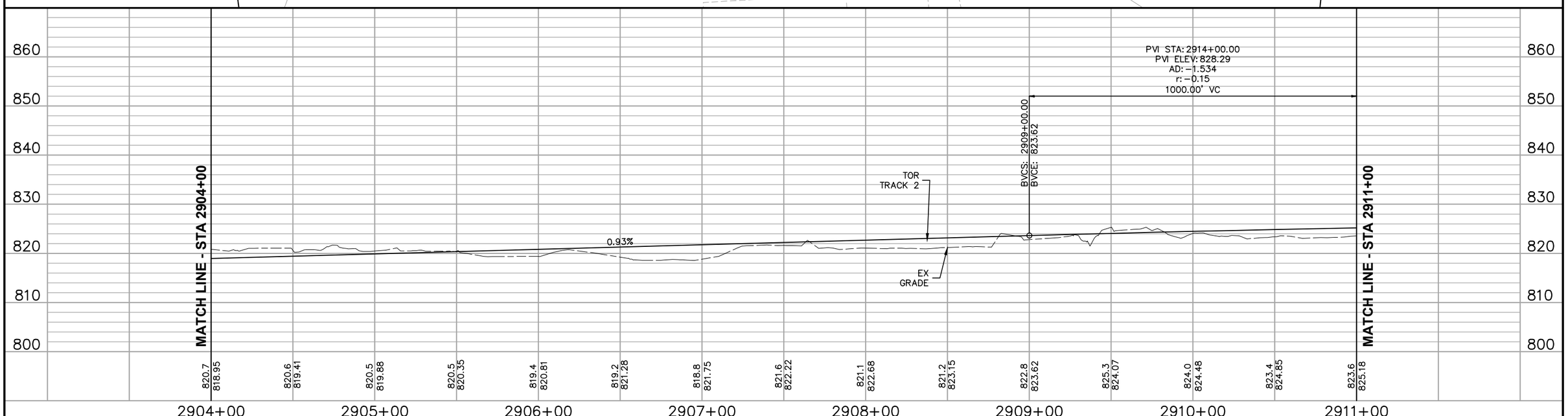
SHEET 15 OF 63

Jul, 21 2015 06:00 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-Rasull

CURVE NO. E4-206
R = 2,000.00'
Lc = 463.67'
Ls = 180.00'
Ea = 3.00"
Eu = 2.99"
V = 55 MPH







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

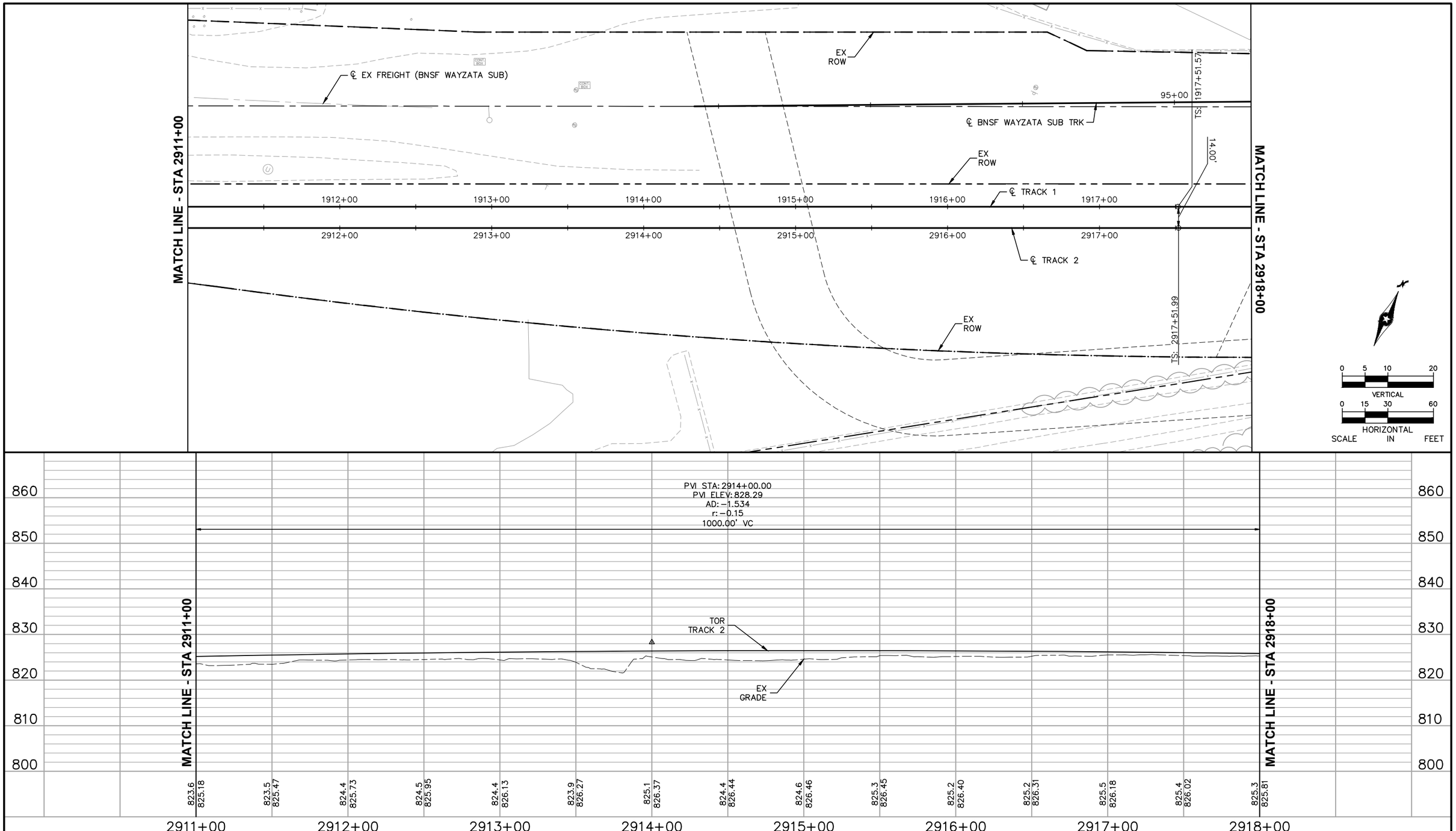
EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2904+00 TO STA 2911+00

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 011

SHEET 16 OF 63

Jul, 21 2015 06:02 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-Rasull



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2911+00 TO STA 2918+00

DISCIPLINE: TRACK

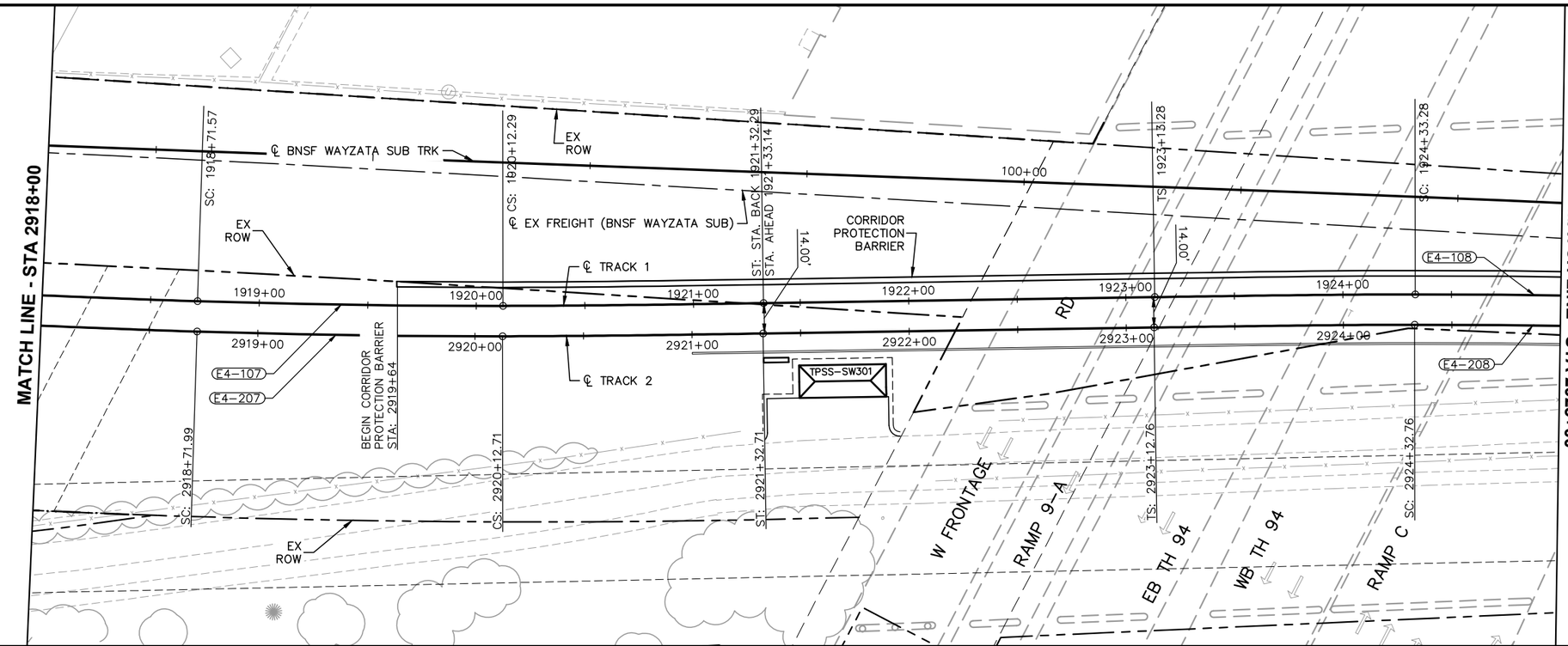
SHEET NAME: E4-TRK-PRF - 012

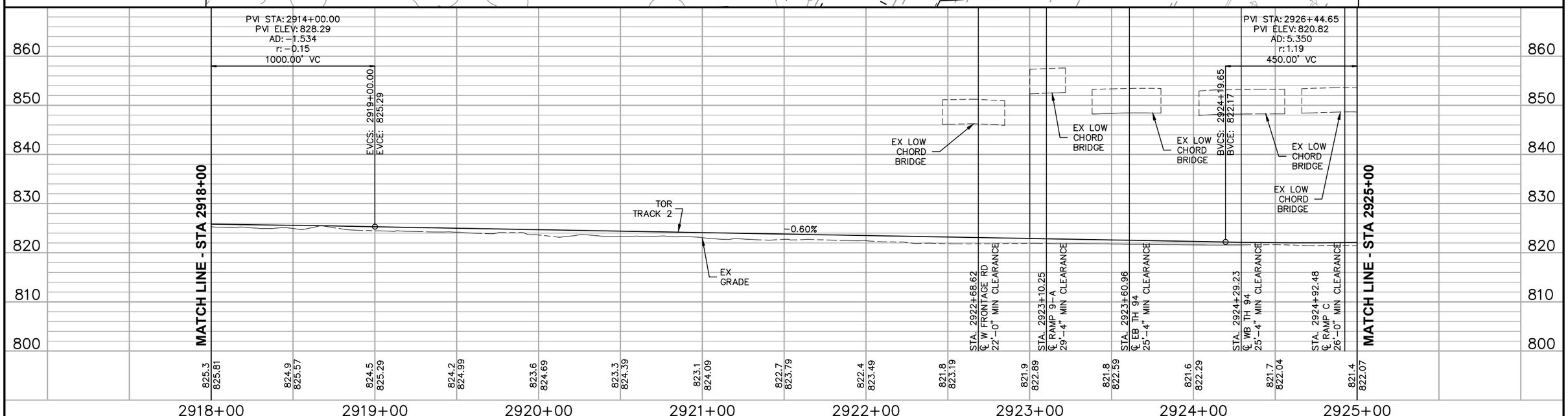
SHEET 17 OF 63

Jul, 21 2015 06:03 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-Rasull

CURVE NO. E4–207
R = 4,280.00'
Lc = 140.72
Ls = 120.00'
Ea = 1.50"
Eu = 1.83"
V = 60 MPH

CURVE NO. E4–208
R = 4,280.00'
Lc = 196.84'
Ls = 120.00'
Ea = 1.50"
Eu = 1.83"
V = 60 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

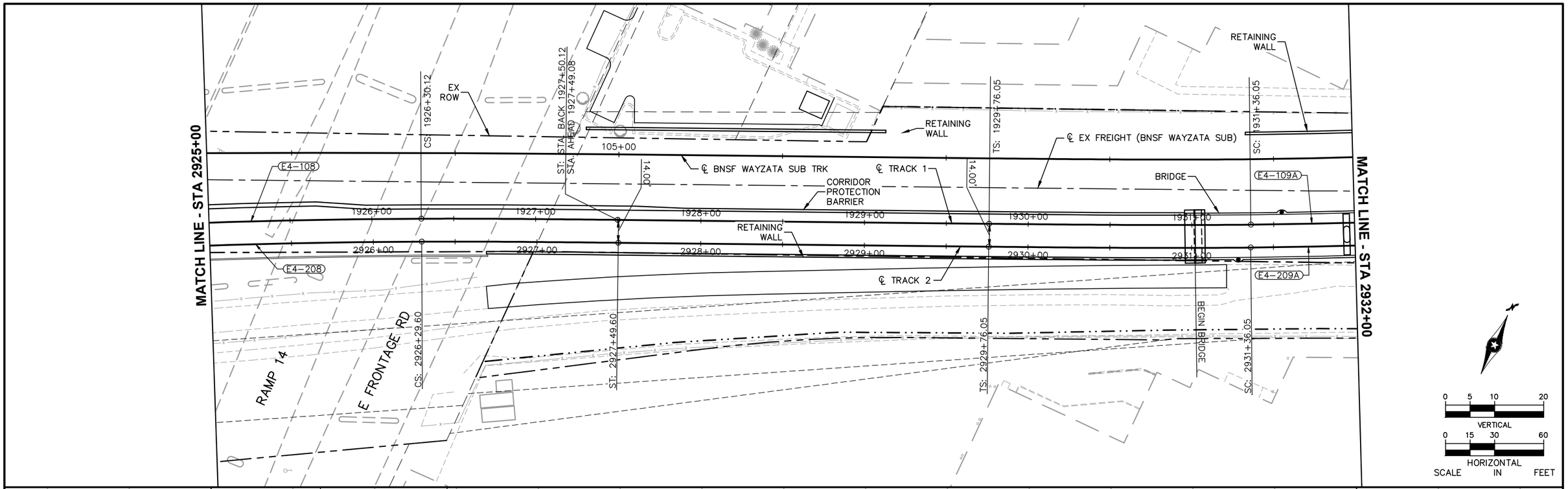
EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2918+00 TO STA 2925+00

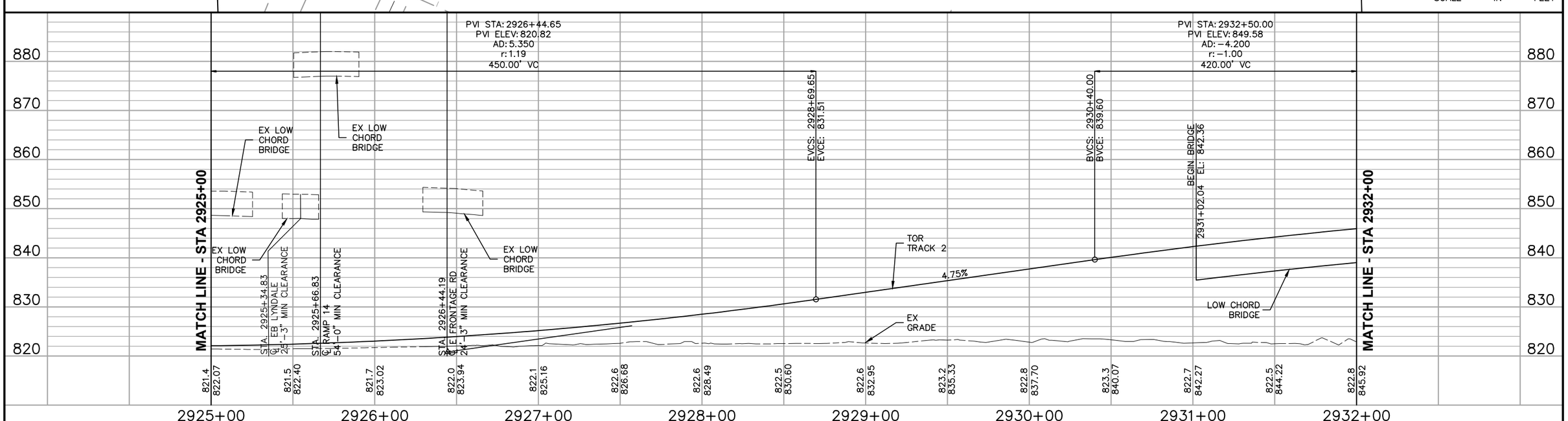
DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 013

SHEET 18 OF 63

Jul. 21 2015 06:05 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-RasulL





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2925+00 TO STA 2932+00

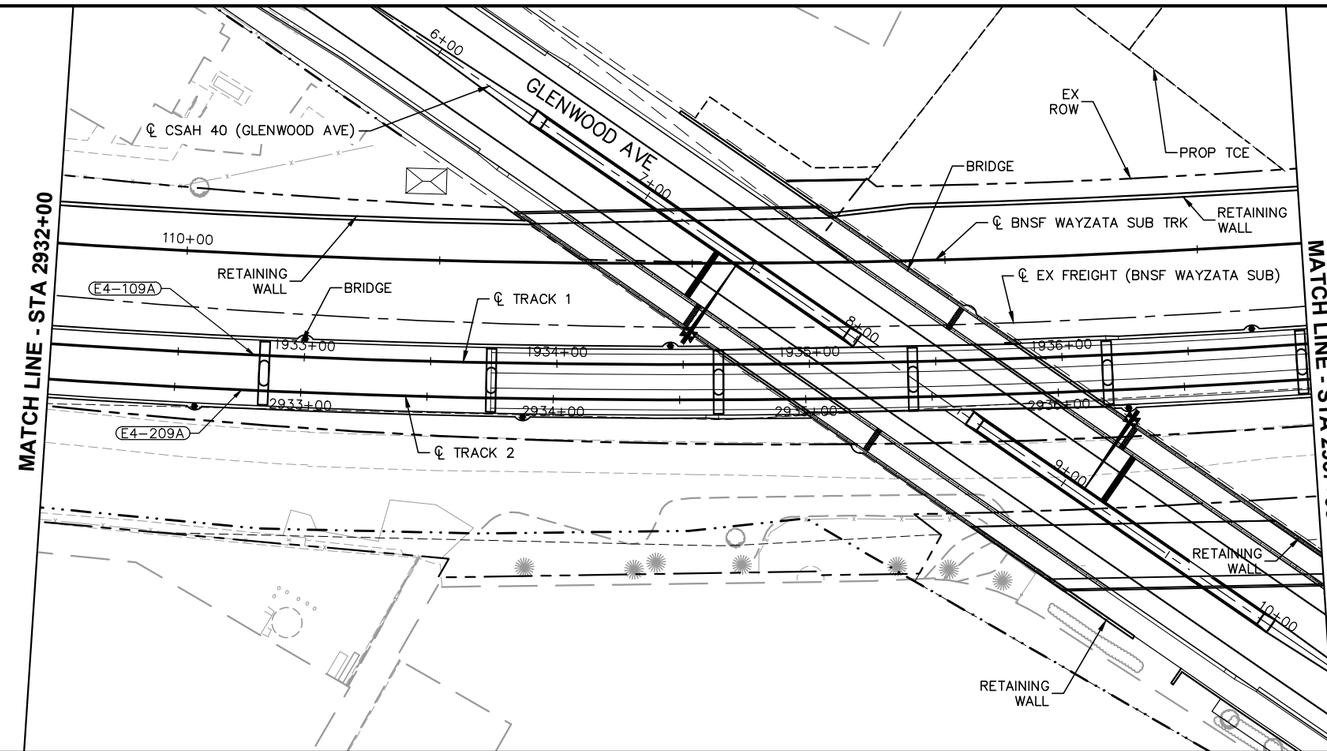
DISCIPLINE: TRACK

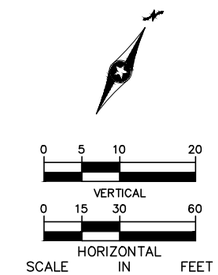
SHEET NAME: E4-TRK-PRF - 014

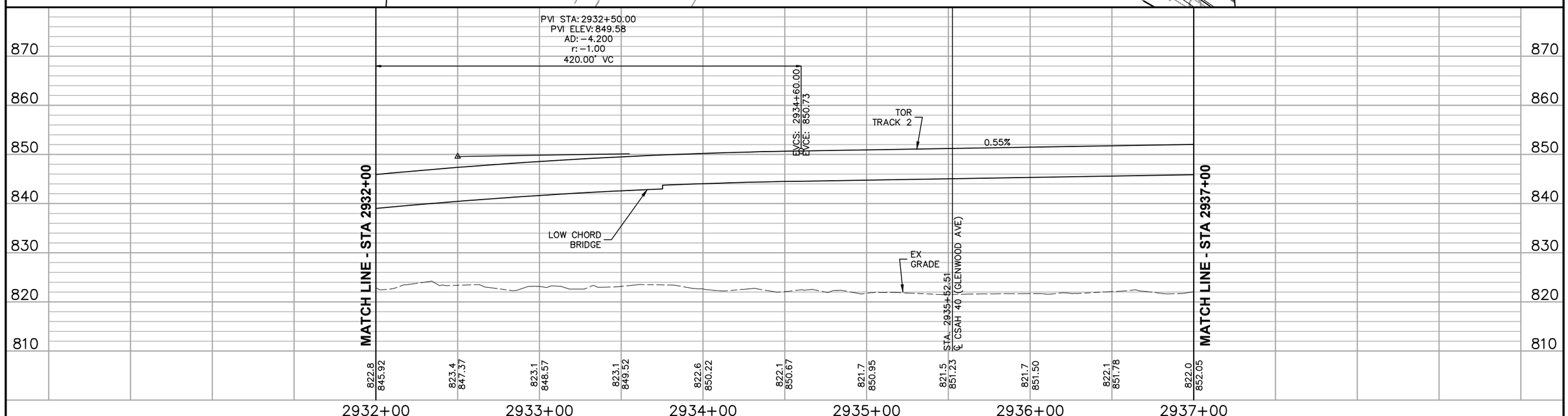
SHEET 19 OF 63

Jul, 21 2015 06:06 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-Rasul

CURVE NO. E4–209A
R = 3,804.00'
Lc = 612.52'
Ls1 = 160.00'
Ls2 = 30.00'
Ea = 0.00"
Eu = 2.60"–0.10"
V = 50–10 MPH







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2932+00 TO STA 2937+00

DISCIPLINE: TRACK

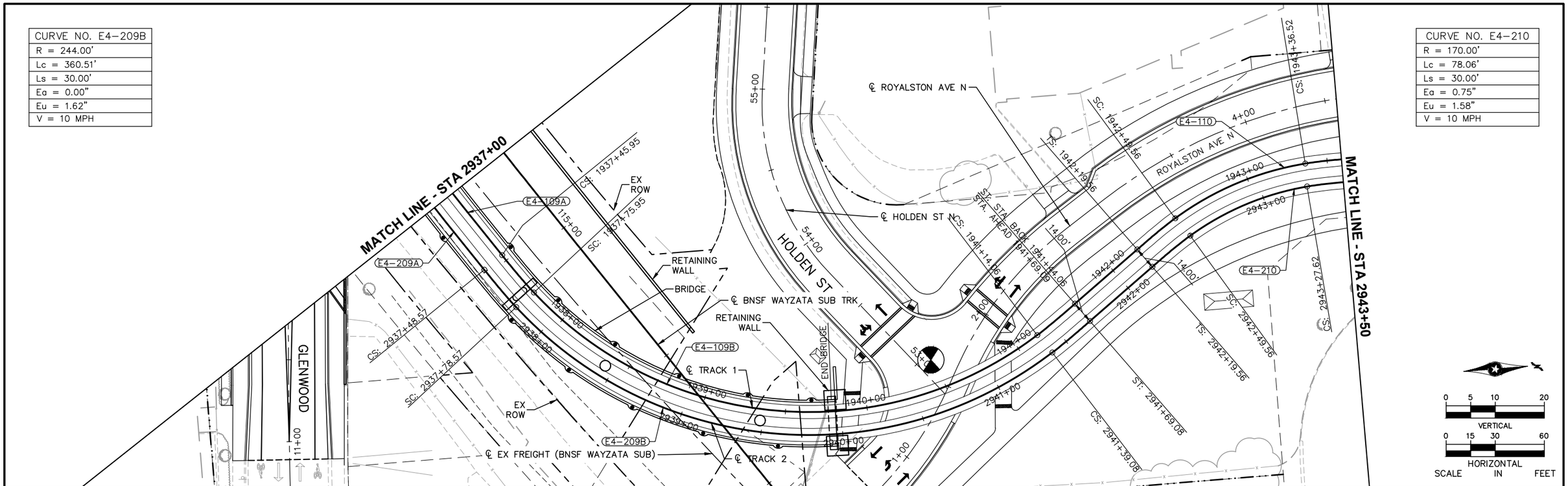
SHEET NAME: E4-TRK-PRF - 015

SHEET 20 OF 63

Jul. 21 2015 06:08 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4–TRK–PRF.dwg By: V–RasulL

CURVE NO. E4–209B
R = 244.00'
Lc = 360.51'
Ls = 30.00'
Ea = 0.00"
Eu = 1.62"
V = 10 MPH

CURVE NO. E4–210
R = 170.00'
Lc = 78.06'
Ls = 30.00'
Ea = 0.75"
Eu = 1.58"
V = 10 MPH



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2937+00 TO STA 2943+50

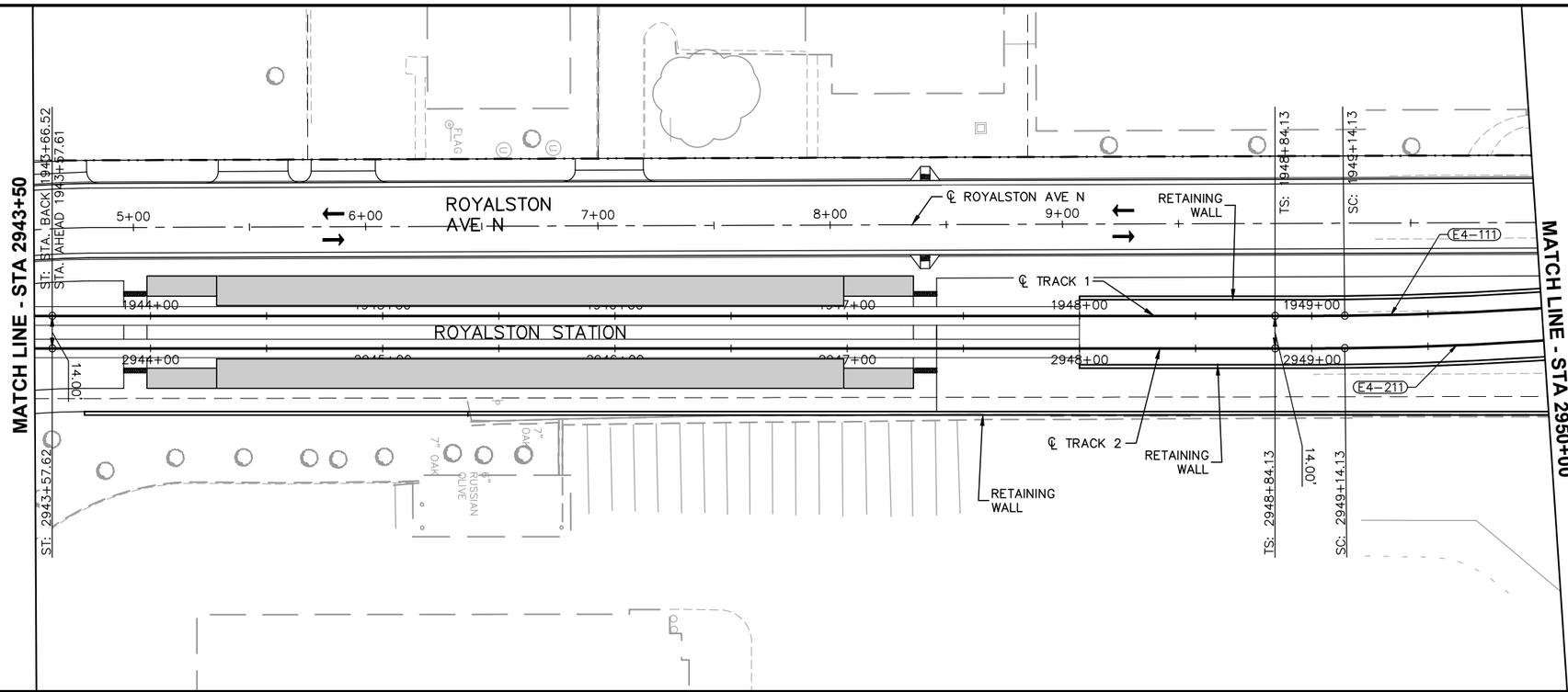
DISCIPLINE: TRACK

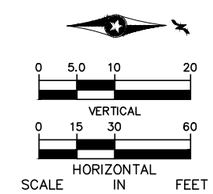
SHEET NAME: E4-TRK-PRF - 016

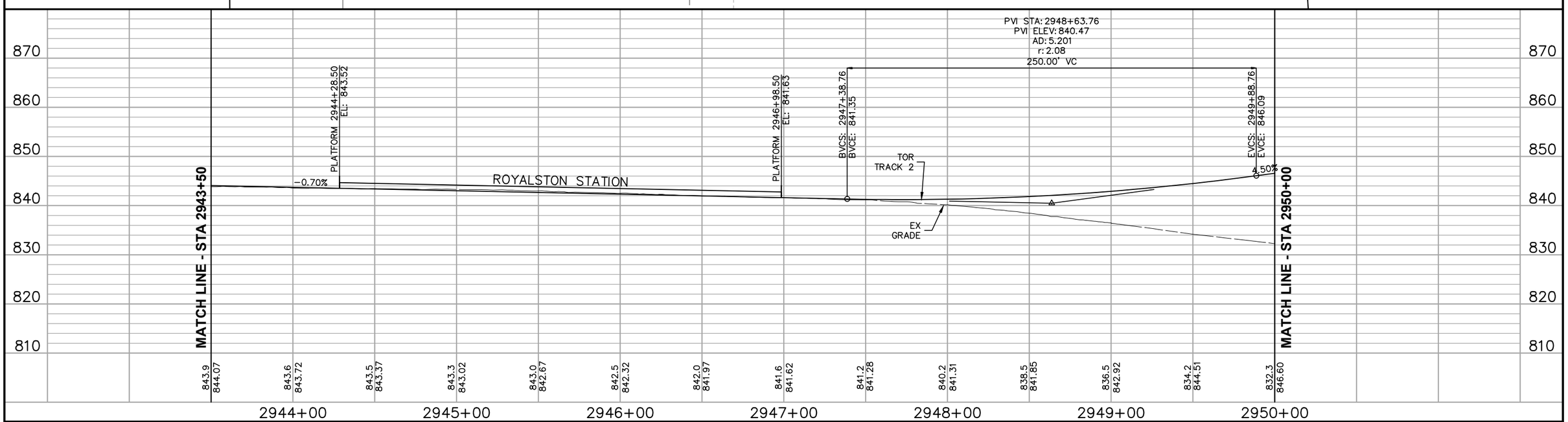
SHEET 21 OF 63

Jul, 21 2015 06:09 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-RasulL

CURVE NO. E4–211
R = 1,514.00'
Lc = 109.54'
Ls = 30.00'
Ea = 0.75"
Eu = 0.88"
V = 25 MPH







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

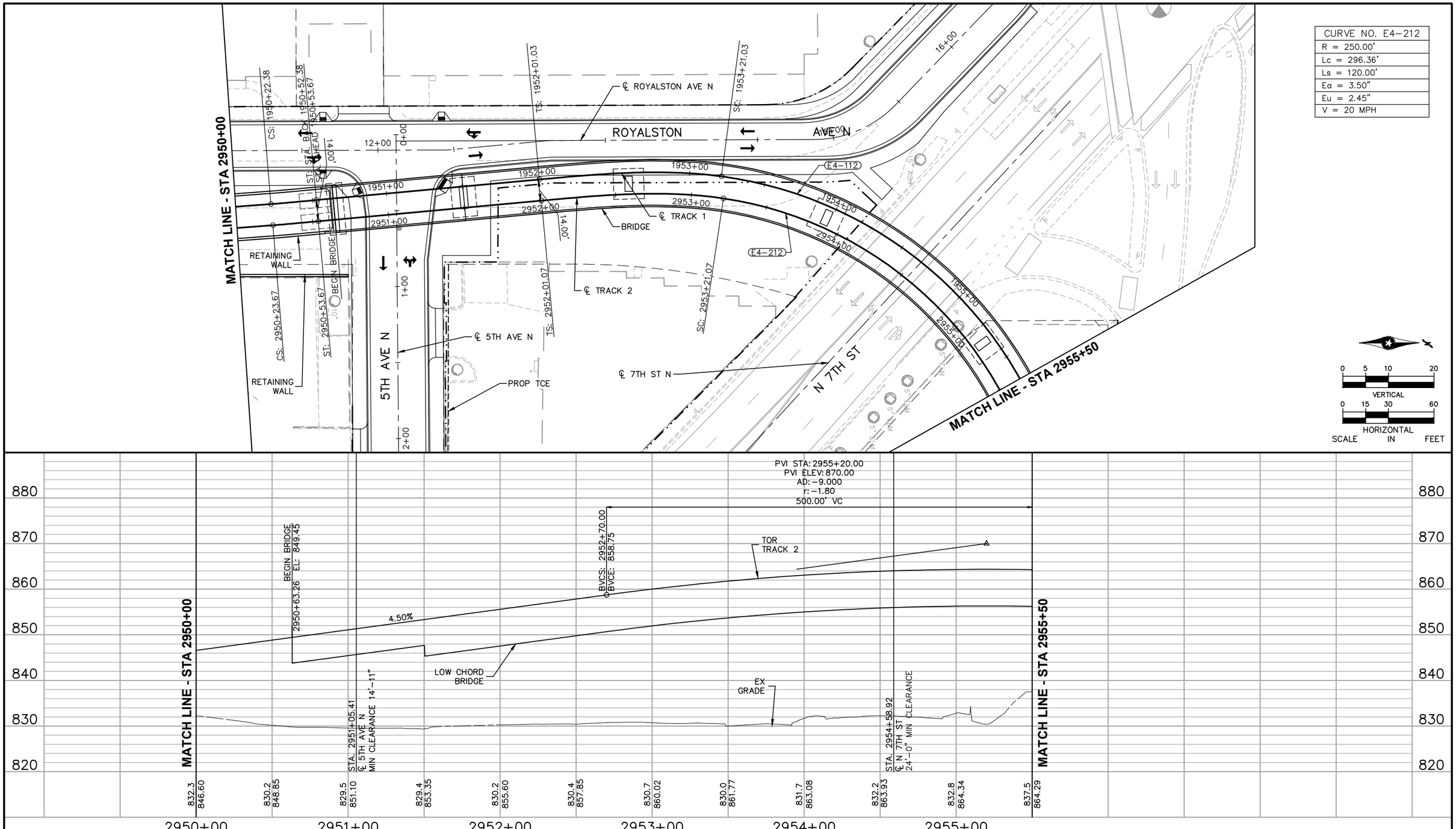
EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2943+50 TO STA 2950+00

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 017

SHEET 22 OF 63

Jul, 21 2015 06:11 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-Rasuil



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

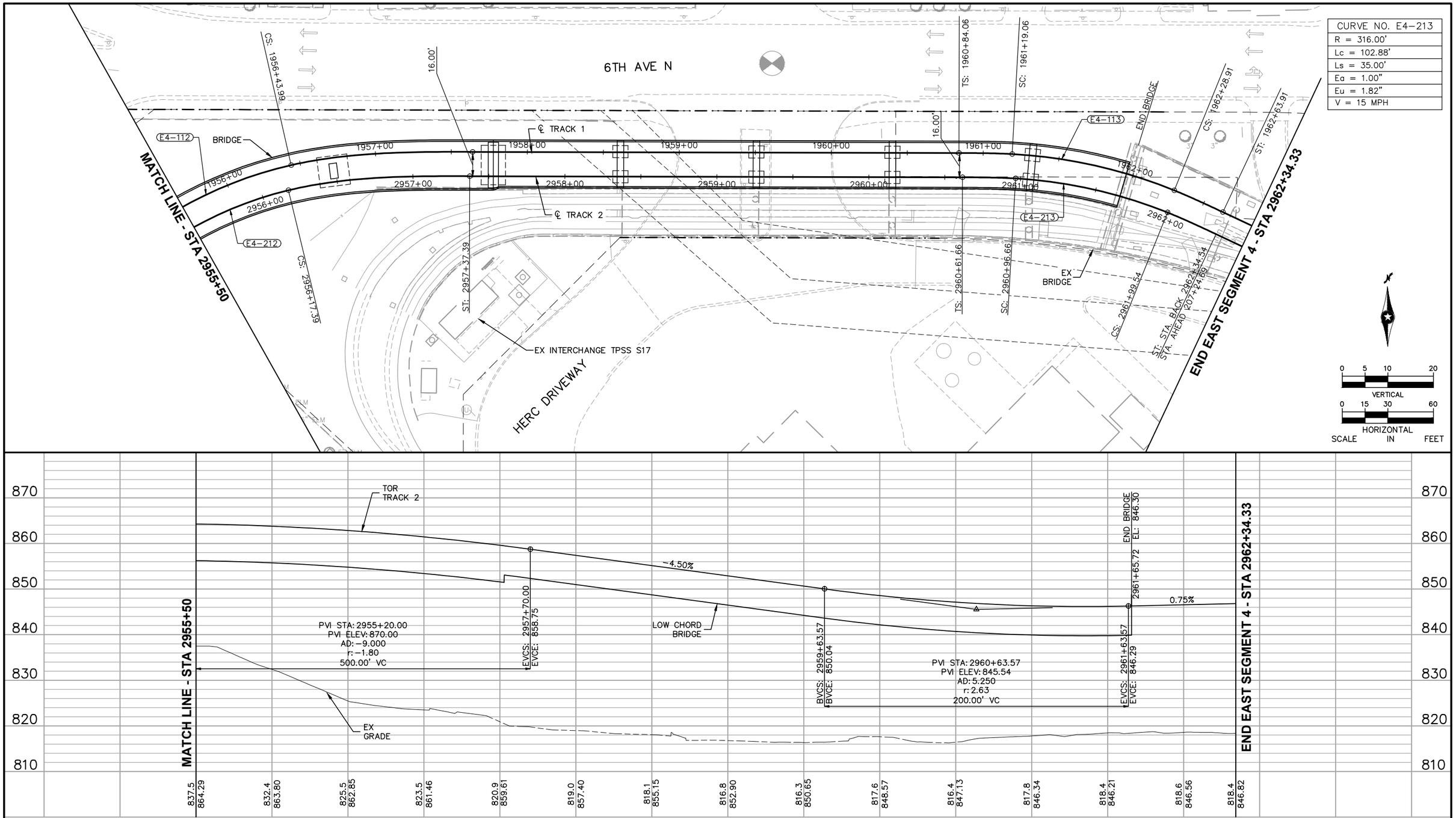
EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2950+00 TO STA 2955+50

DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 018

SHEET 23 OF 63

Jul. 21 2015 06:13 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-RasulL



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

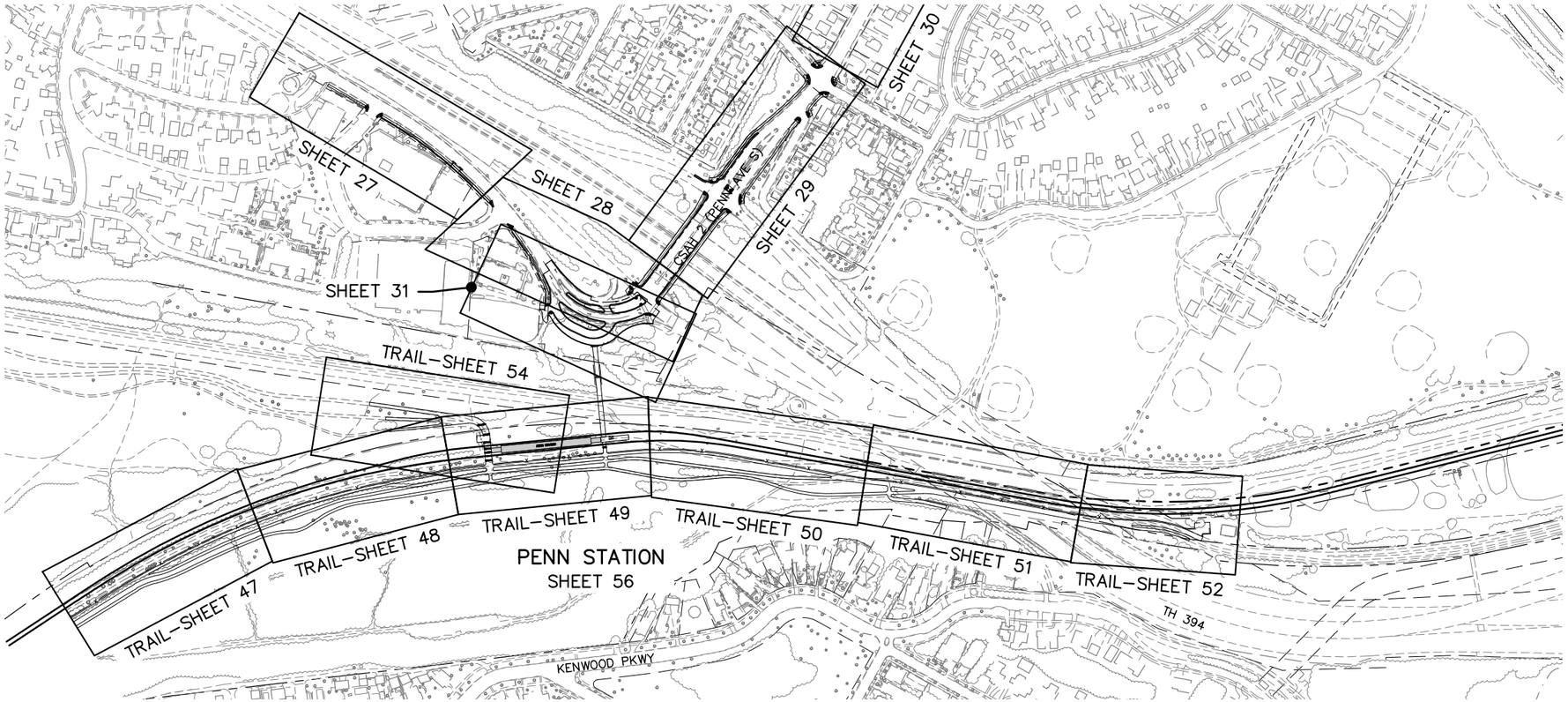
EAST SEGMENT 4
TRACK
PLAN AND PROFILE
STA 2955+50 TO STA 2962+34.33

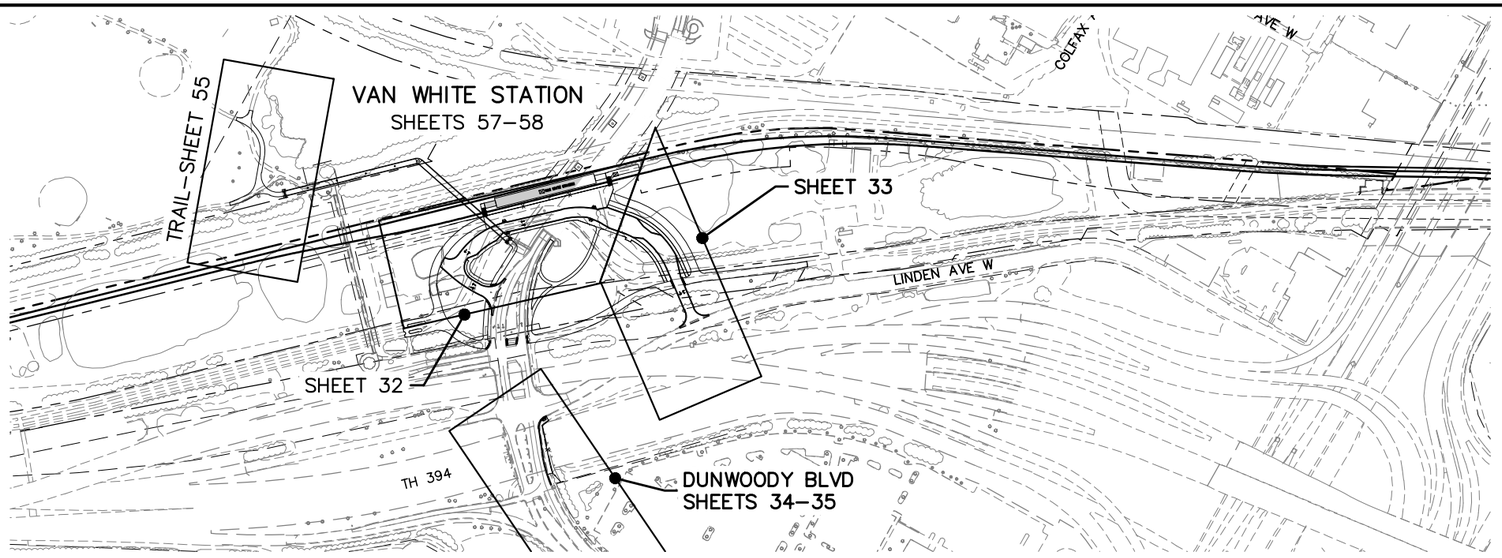
DISCIPLINE: TRACK

SHEET NAME: E4-TRK-PRF - 019

SHEET 24 OF 63

Jul, 21 2015 06:14 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\TRACK\E4-TRK-PRF.dwg By: V-RasulL





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SCALE IN FEET

0 100 200 400
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

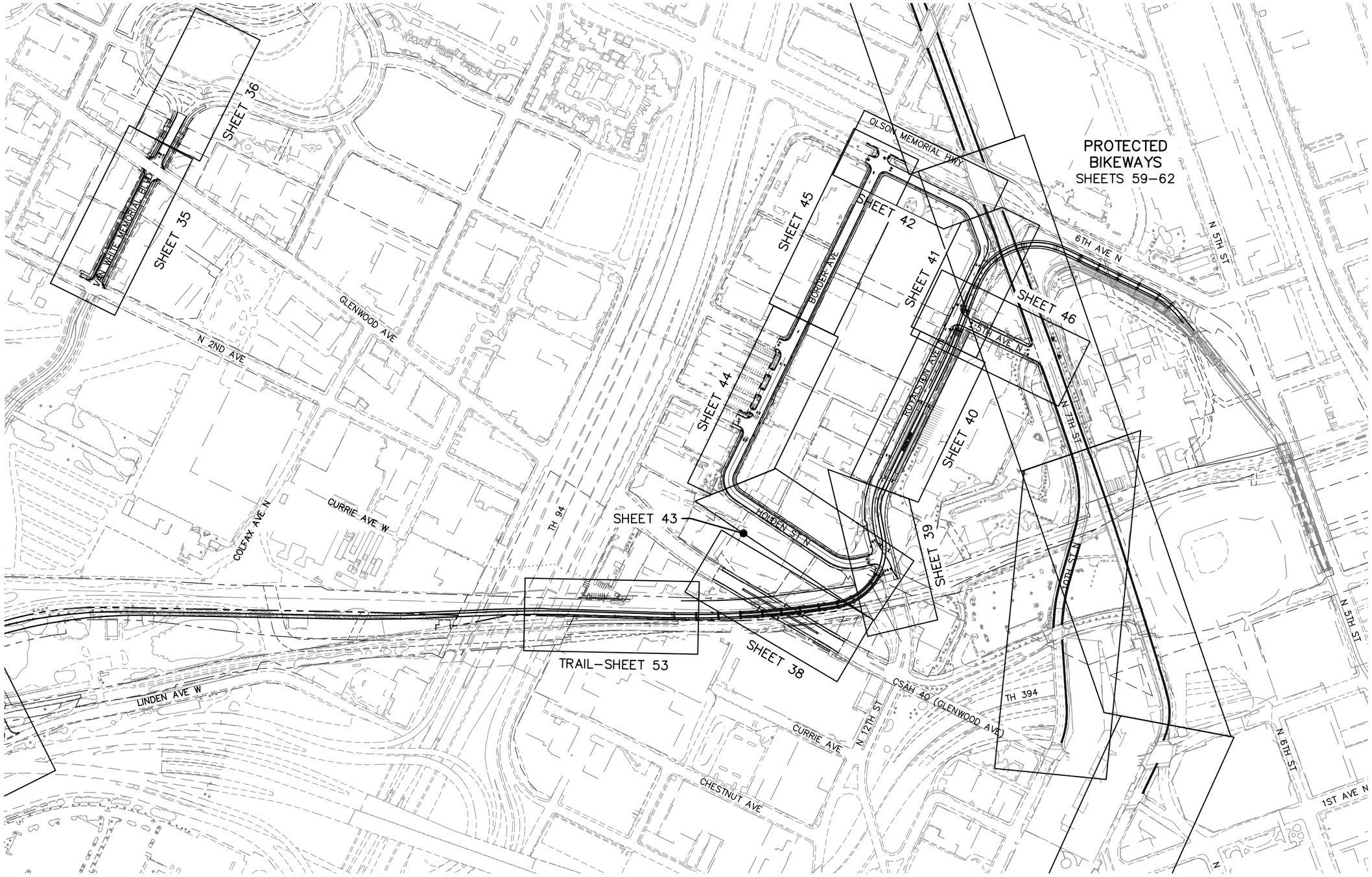
EAST SEGMENT 4
CIVIL
SHEET LAYOUT INDEX
1 OF 2

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-IDX - 001

SHEET 25 OF 63

Jul, 20 2015 06:36 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-IDX.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

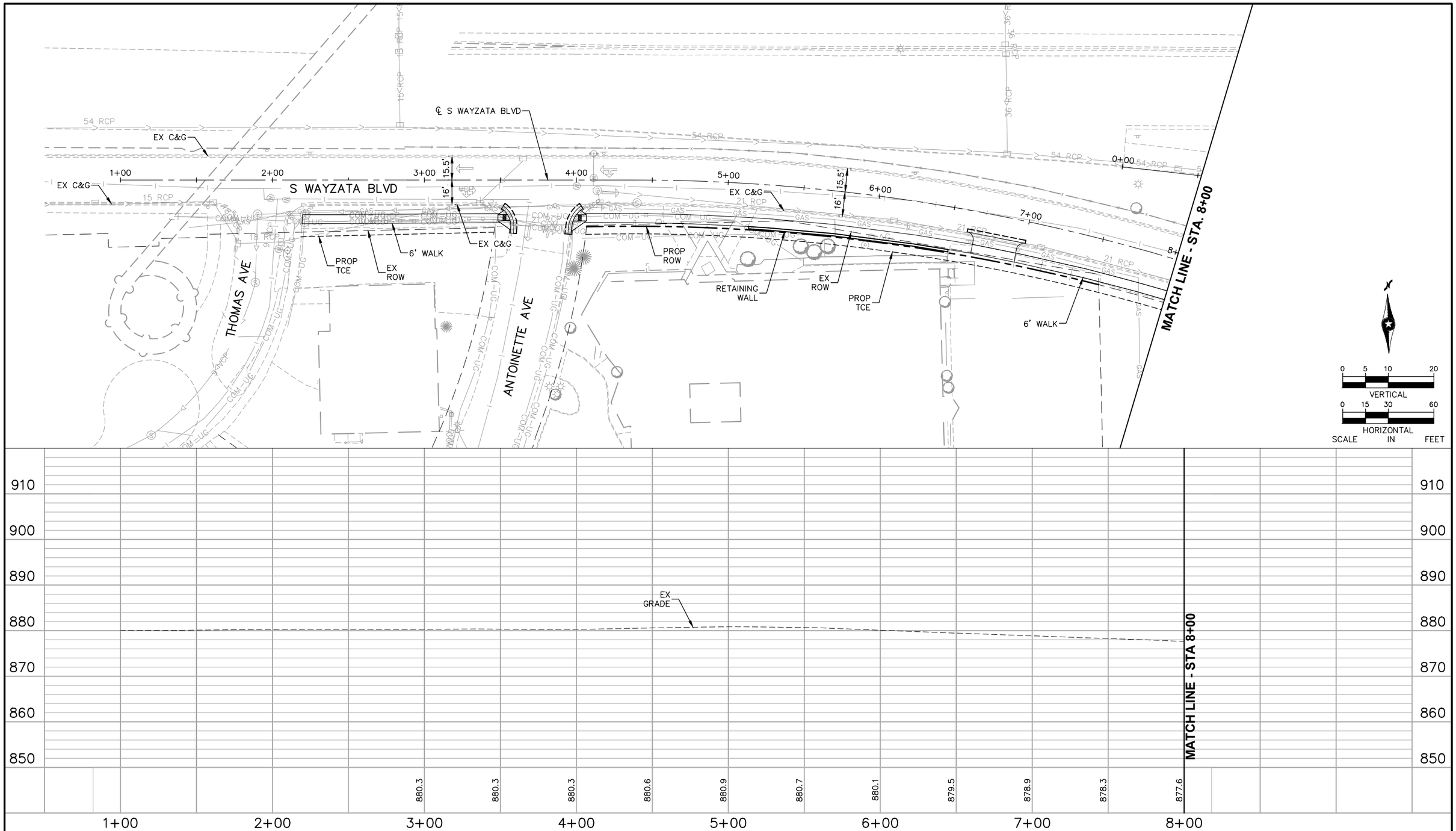
EAST SEGMENT 4
CIVIL
SHEET LAYOUT INDEX
2 OF 2

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-IDX - 002

SHEET 26 OF 63

Jul, 20 2015 06:37 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-IDX.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

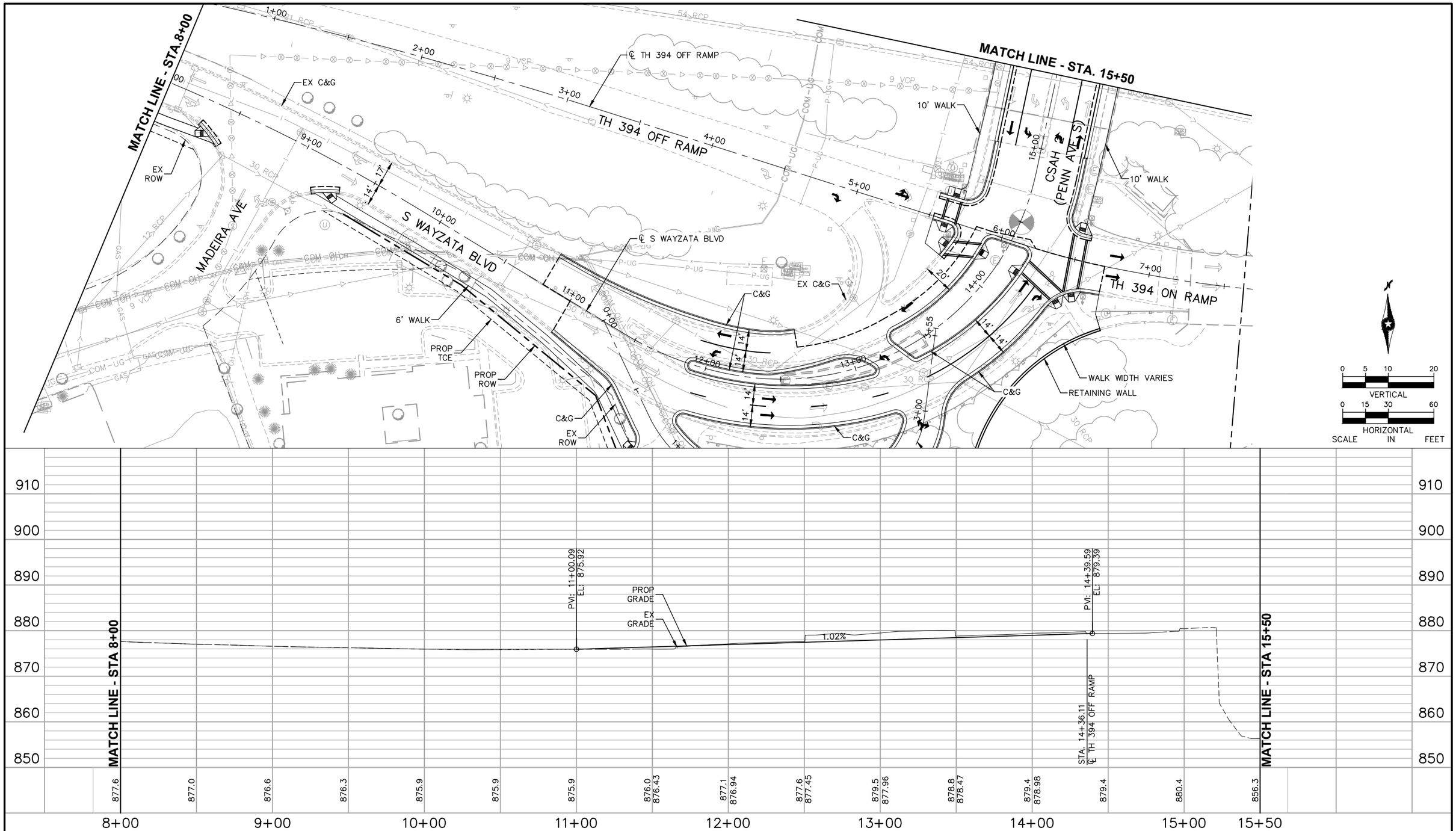
EAST SEGMENT 4
S WAYZATA BLVD
PLAN AND PROFILE
STA. 1+00 TO STA. 8+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-001

SHEET 27 OF 63

Jul, 21 2015 10:37 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

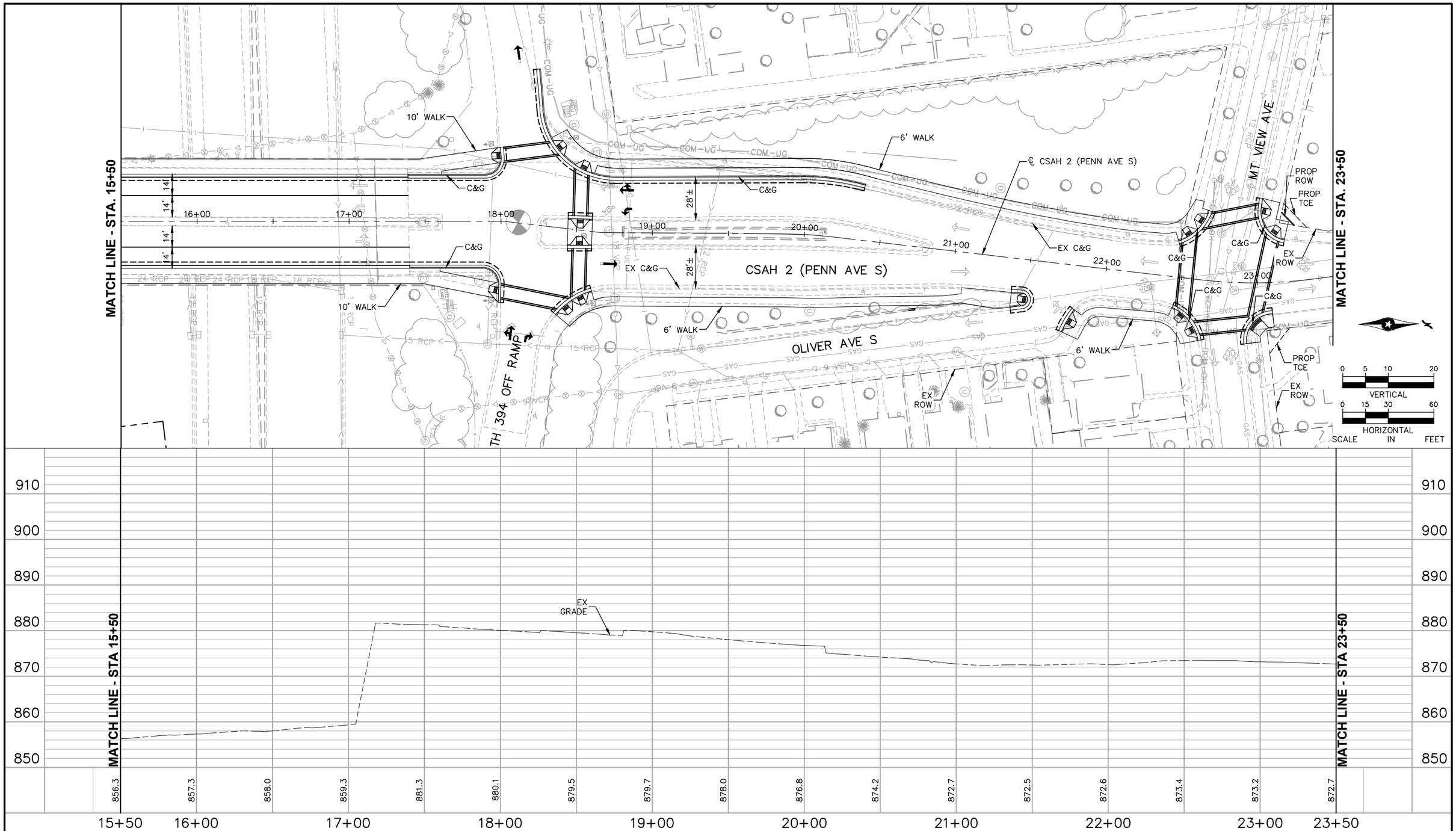
EAST SEGMENT 4
S WAYZATA BLVD / CSAH 2 (PENN AVE S)
PLAN AND PROFILE
STA. 8+00 TO STA. 15+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-002

SHEET 28 OF 63

Jul, 21 2015 10:37 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

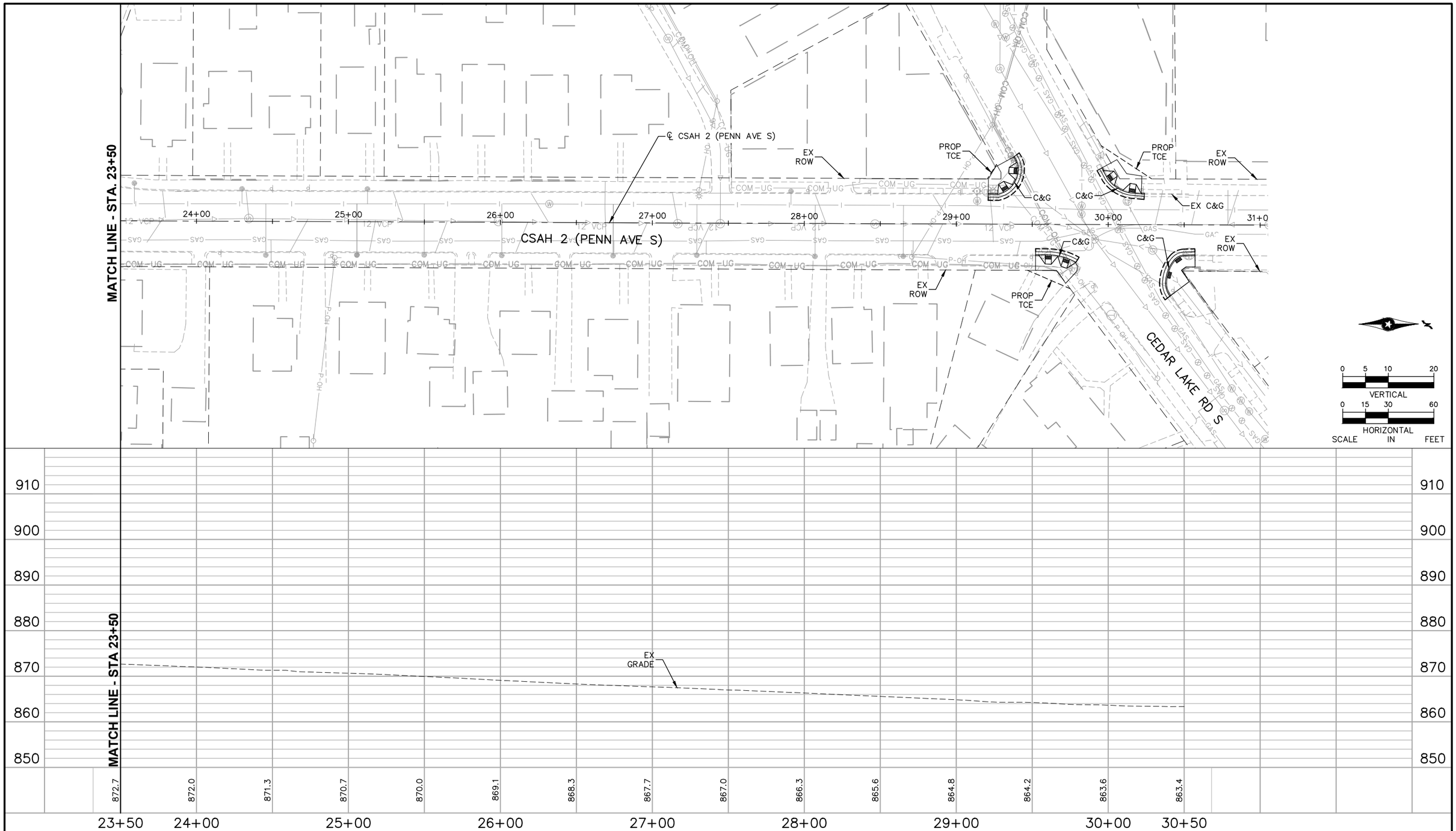
EAST SEGMENT 4
CSAH 2 (PENN AVE S)
PLAN AND PROFILE
STA. 15+50 TO STA. 23+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-003

SHEET 29 OF 63

Jul, 21 2015 10:38 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

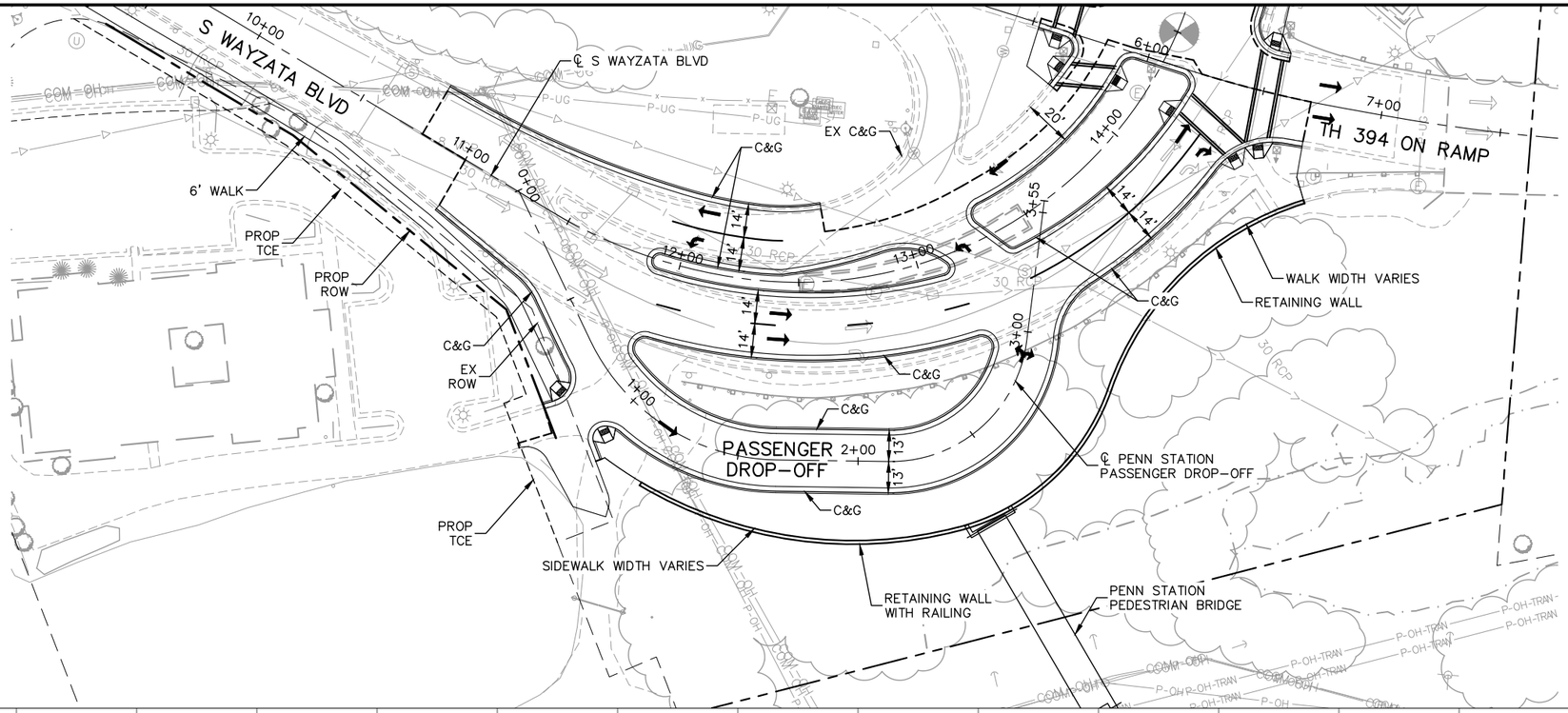
EAST SEGMENT 4
CSAH 2 (PENN AVE S)
PLAN AND PROFILE
STA. 23+50 TO STA. 30+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-004

SHEET 30 OF 63

Jul, 21 2015 10:39 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



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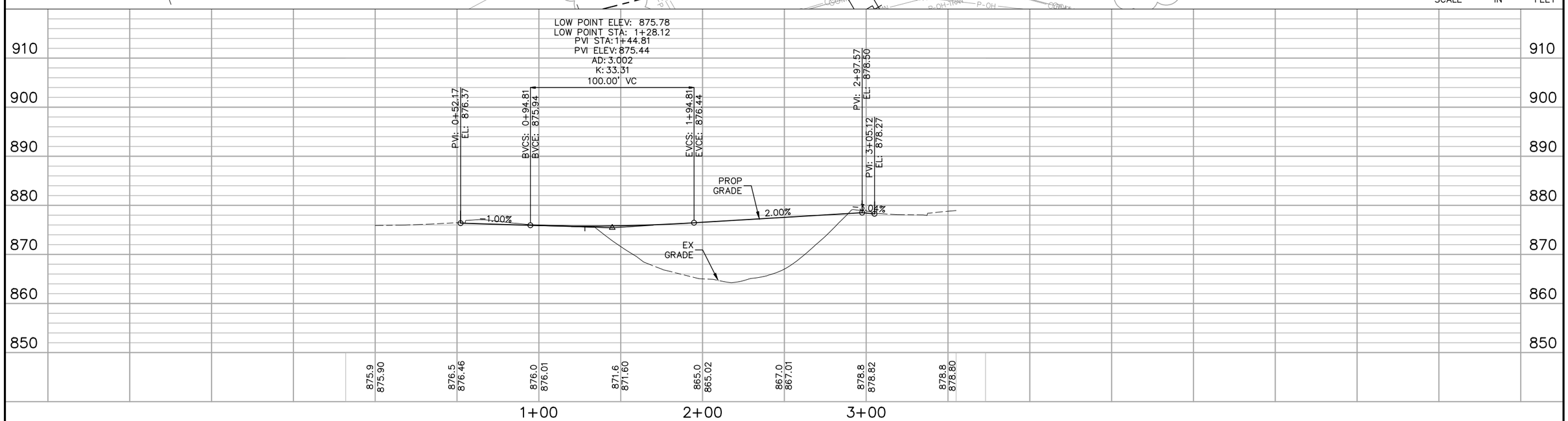
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

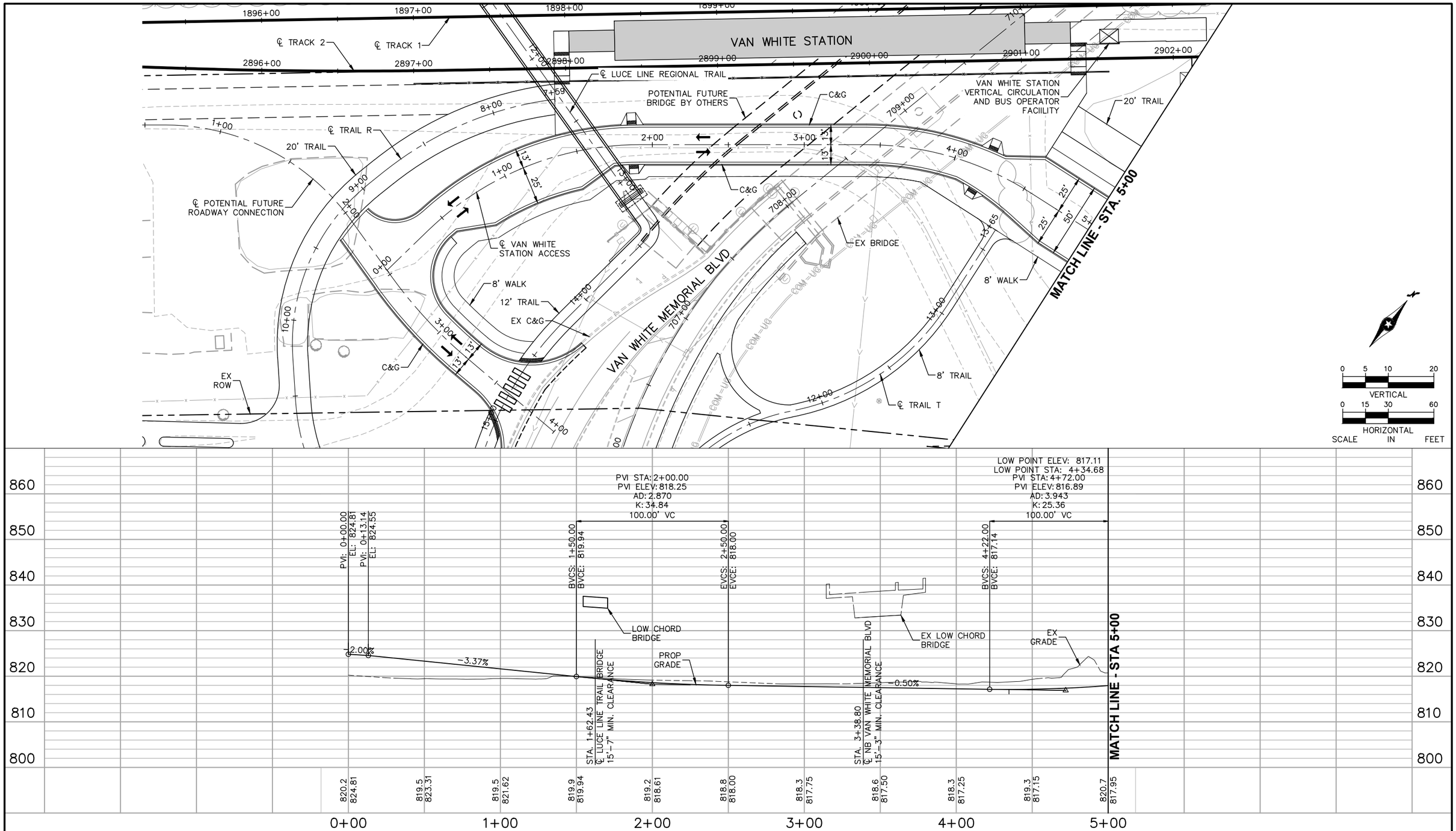
EAST SEGMENT 4
PENN STATION PASSENGER DROP-OFF
PLAN AND PROFILE
STA. 0+00 TO STA. 3+55

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-005

SHEET 31 OF 63

Jul, 21 2015 03:15 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

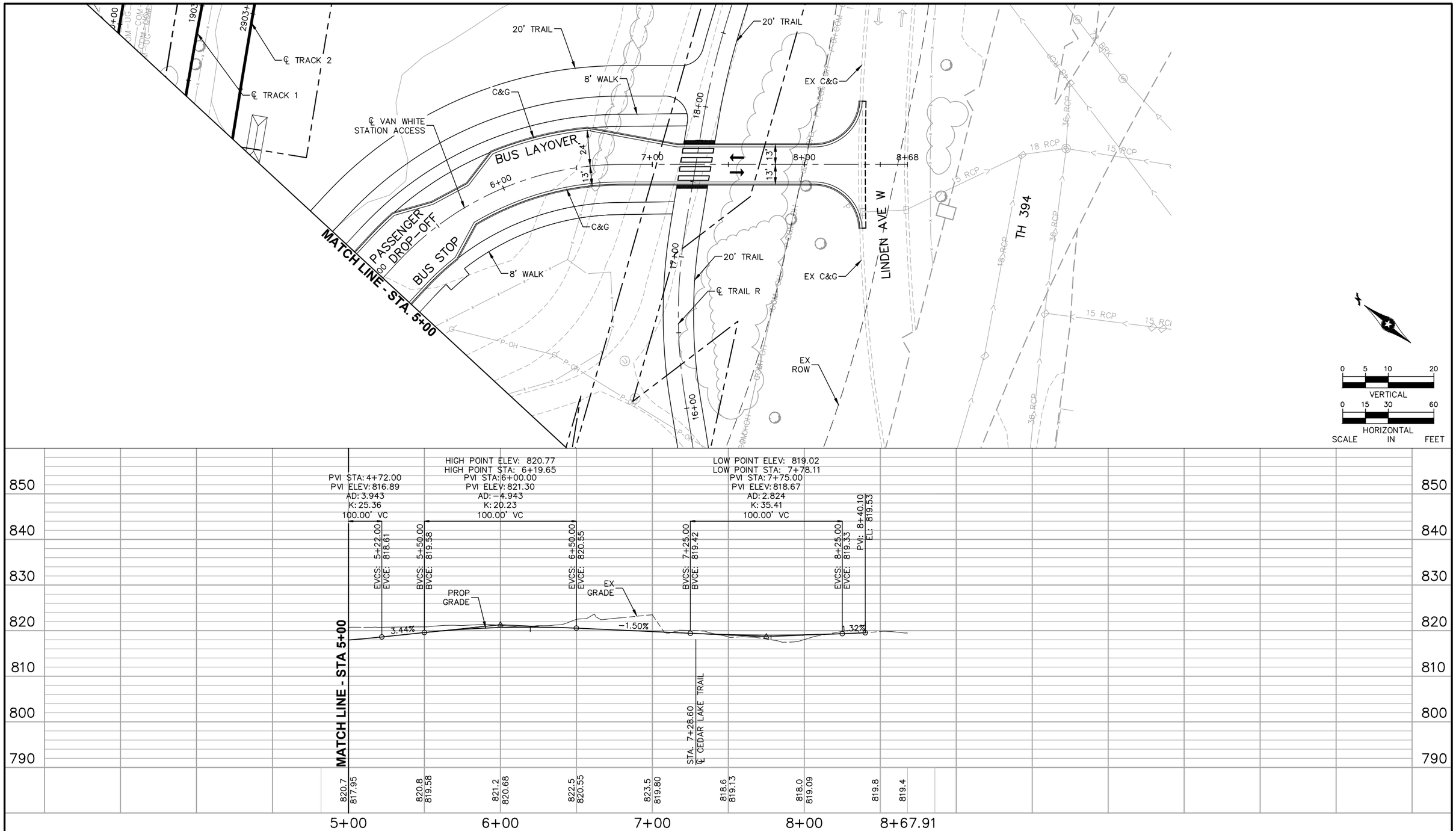
EAST SEGMENT 4
VAN WHITE STATION ACCESS
PLAN AND PROFILE
STA. 0+00 TO STA. 5+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-006

SHEET 32 OF 63

Jul, 21 2015 10:40 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

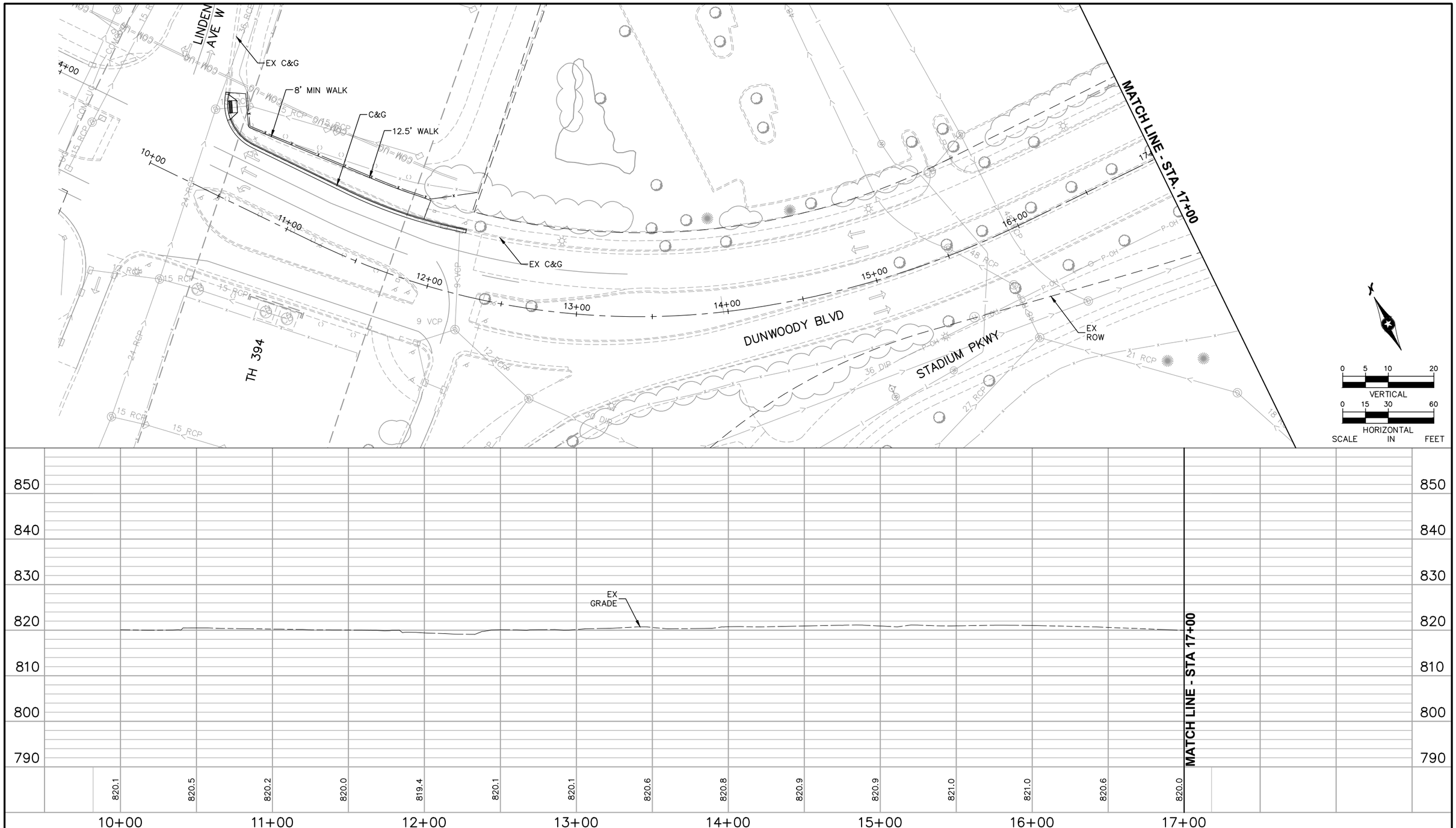
EAST SEGMENT 4
VAN WHITE STATION ACCESS
PLAN AND PROFILE
STA. 5+00 TO STA. 8+68

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-007

SHEET 33 OF 63

Jul, 21 2015 10:40 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

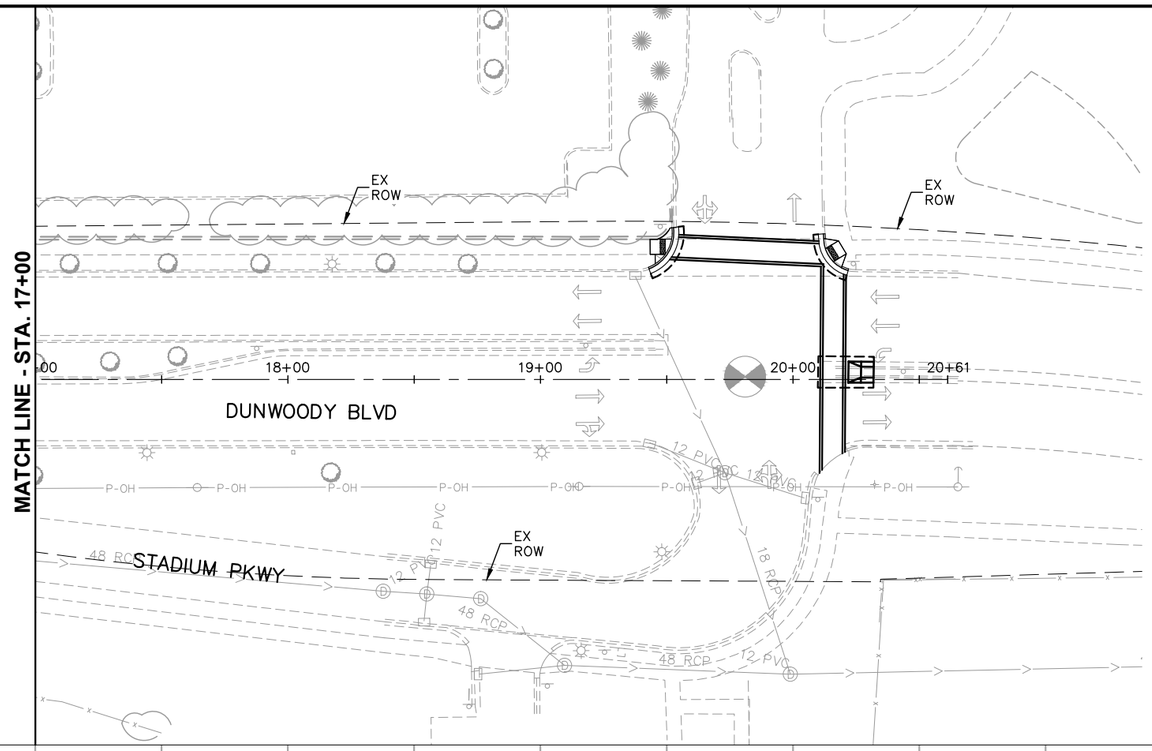
EAST SEGMENT 4
DUNWOODY BLVD
PLAN AND PROFILE
STA. 10+00 TO STA. 17+00

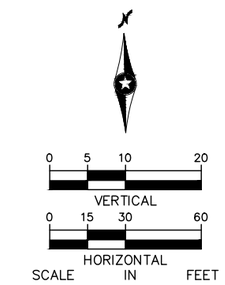
DISCIPLINE: CIVIL

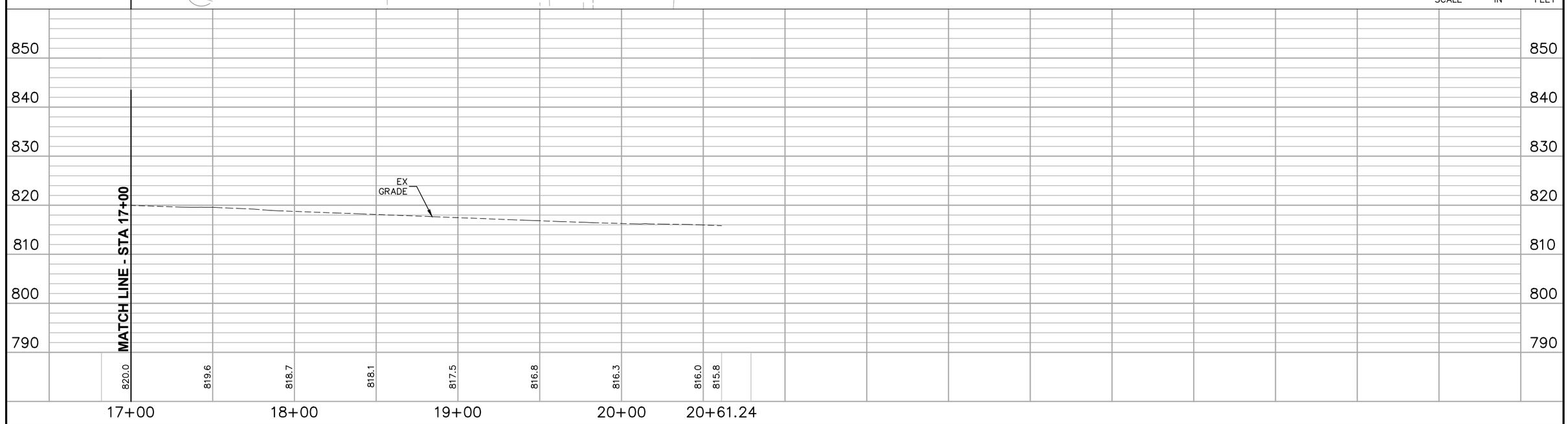
SHEET NAME: E4-CIV-PRF-008

SHEET 34 OF 63

Jul, 21 2015 10:41 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

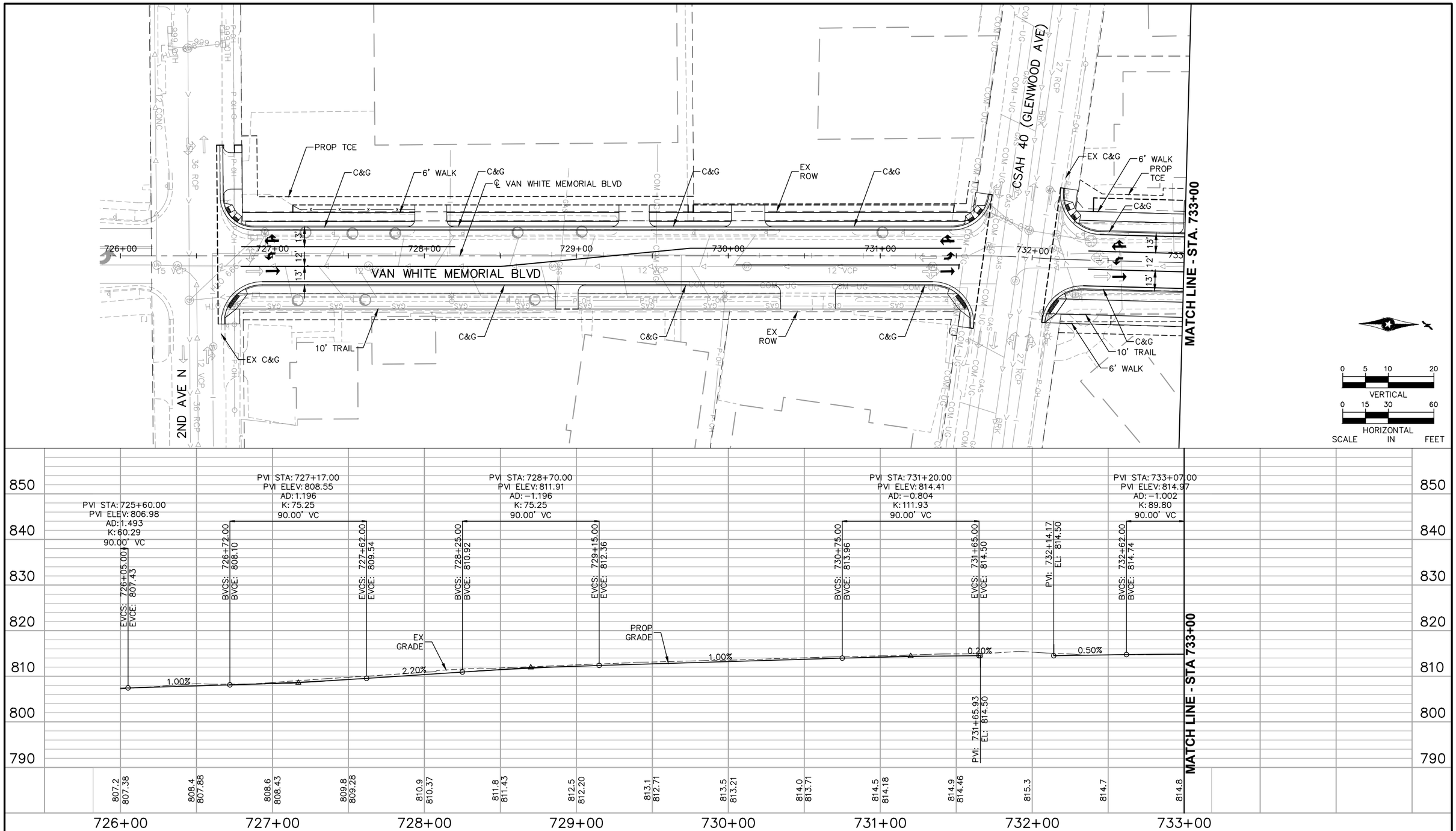
EAST SEGMENT 4
DUNWOODY BLVD
PLAN AND PROFILE
STA. 17+00 TO STA. 20+61

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-009

SHEET 35 OF 63

Jul, 21 2015 10:42 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

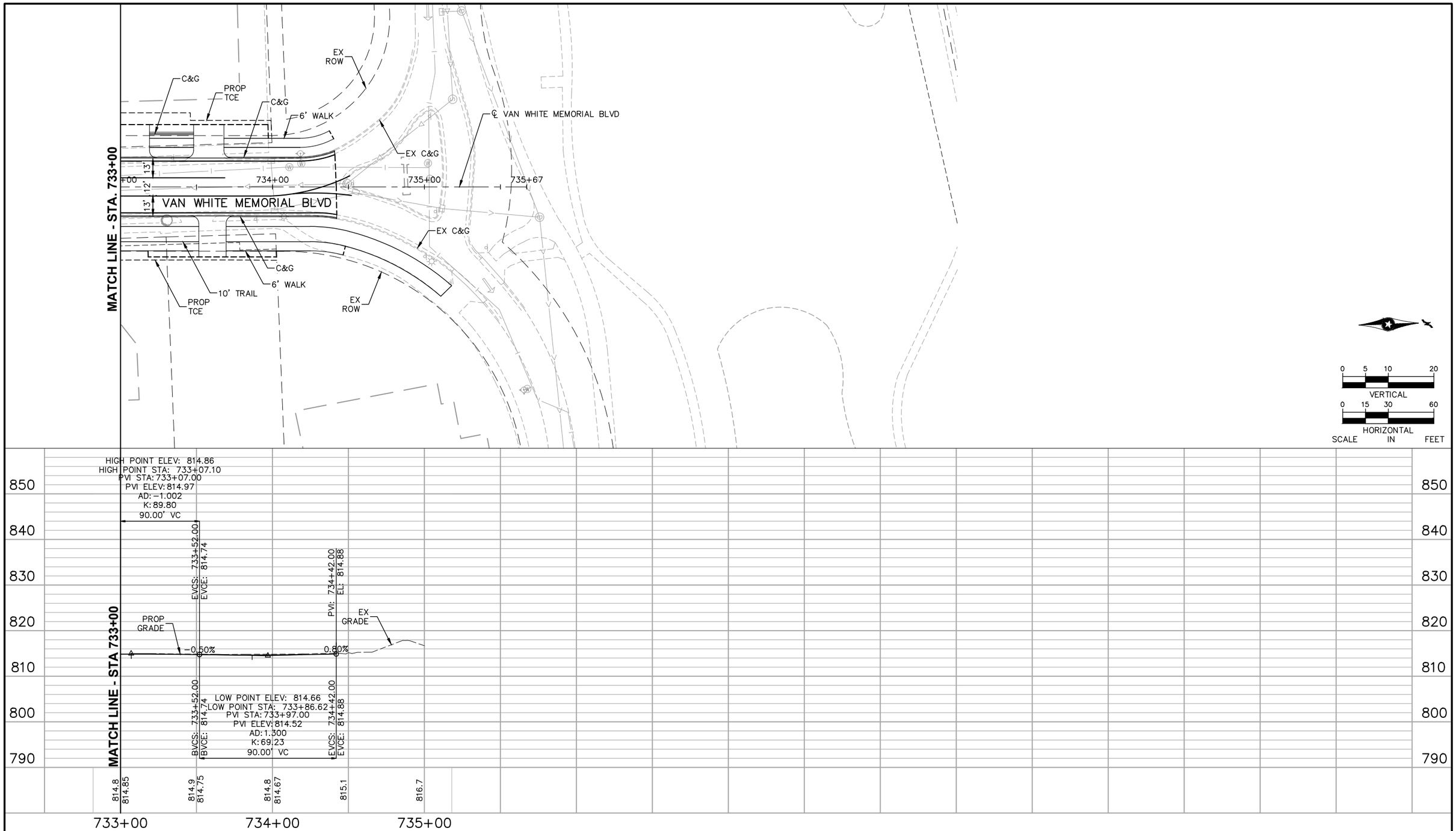
EAST SEGMENT 4
VAN WHITE MEMORIAL BLVD
PLAN AND PROFILE
STA. 726+00 TO STA. 733+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-010

SHEET 36 OF 63

Jul, 21 2015 10:42 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

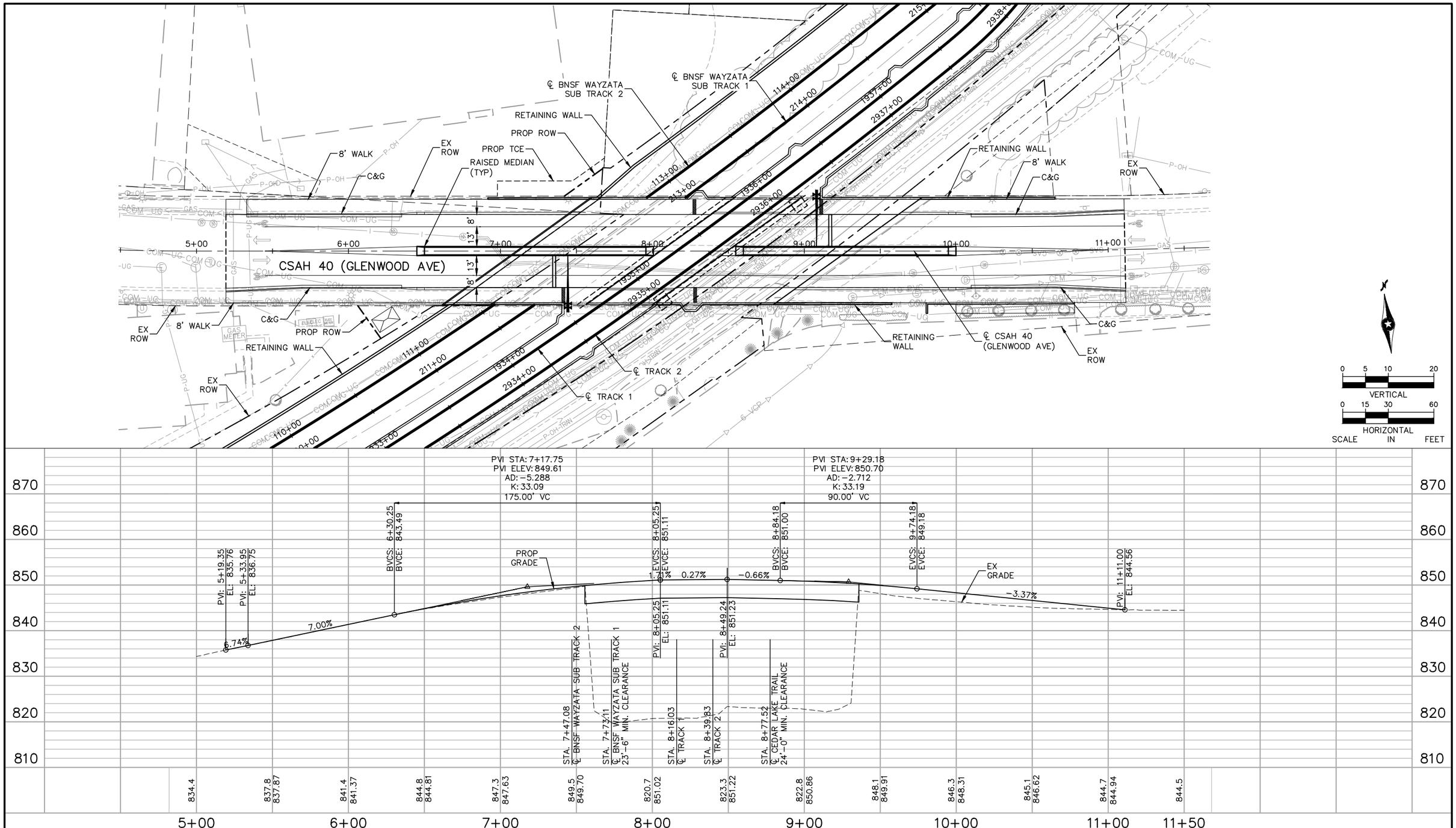
EAST SEGMENT 4
VAN WHITE MEMORIAL BLVD
PLAN AND PROFILE
STA. 733+00 TO STA. 735+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-011

SHEET 37 OF 63

Jul, 21 2015 10:43 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
CSAH 40 (GLENWOOD AVE)
PLAN AND PROFILE
STA. 5+00 TO STA. 11+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-012

SHEET 38 OF 63

Jul, 21 2015 11:17 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

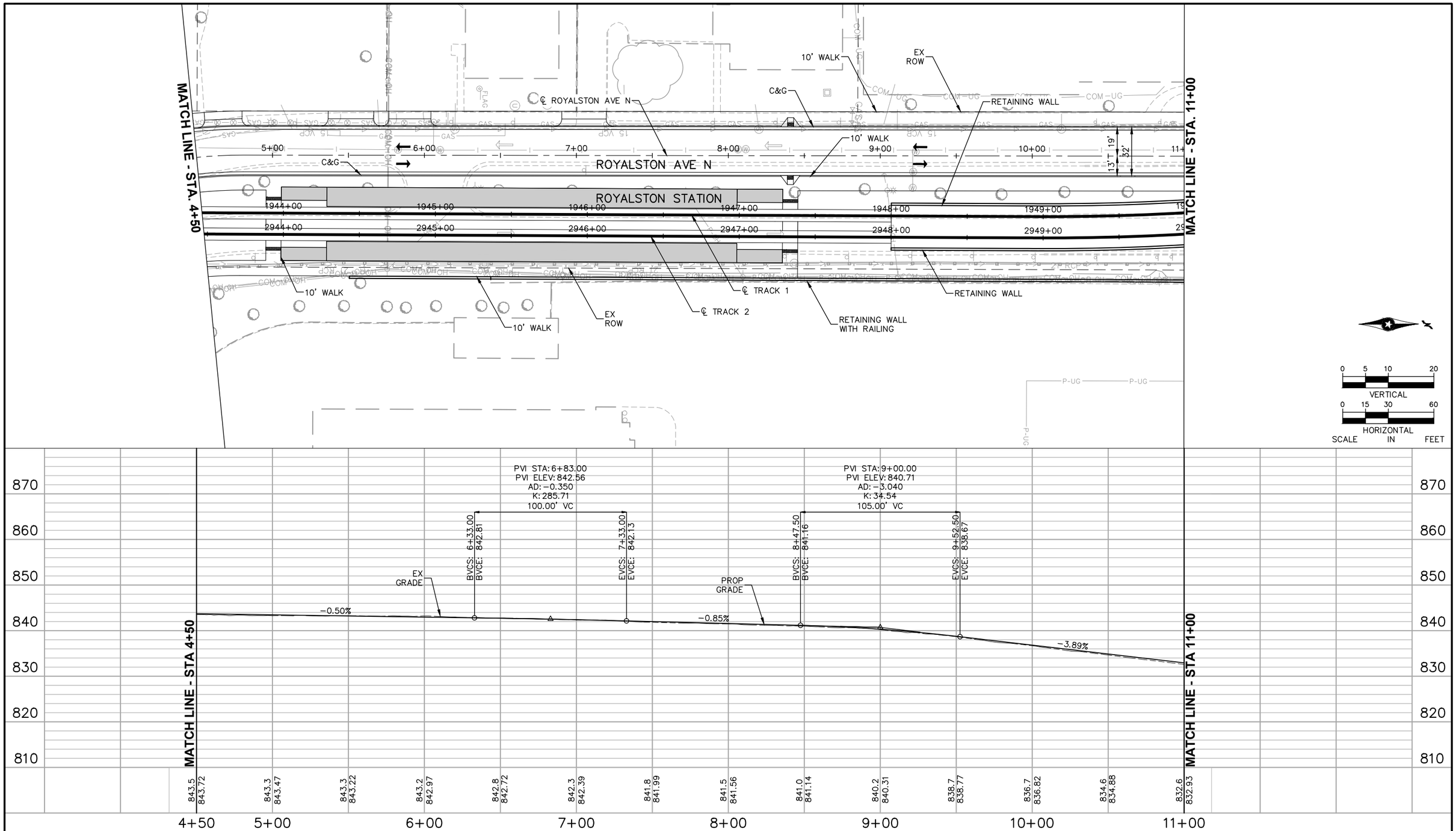
EAST SEGMENT 4
ROYALSTON AVE N
PLAN AND PROFILE
STA. 0+00 TO STA. 4+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-013

SHEET 39 OF 63

Jul, 21 2015 10:44 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

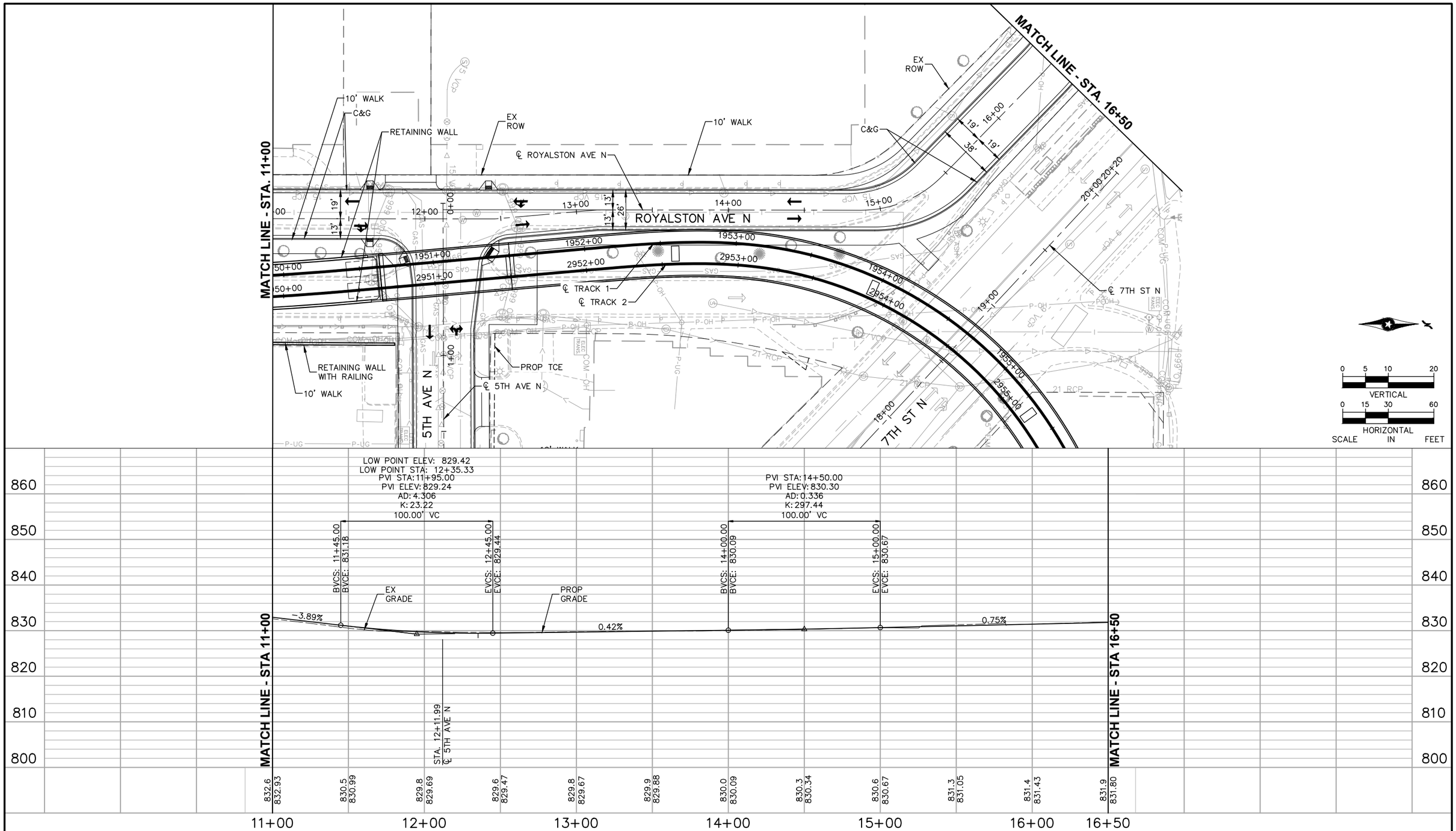
EAST SEGMENT 4
ROYALSTON AVE N
PLAN AND PROFILE
STA. 4+50 TO STA. 11+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-014

SHEET 40 OF 63

Jul, 21 2015 10:44 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

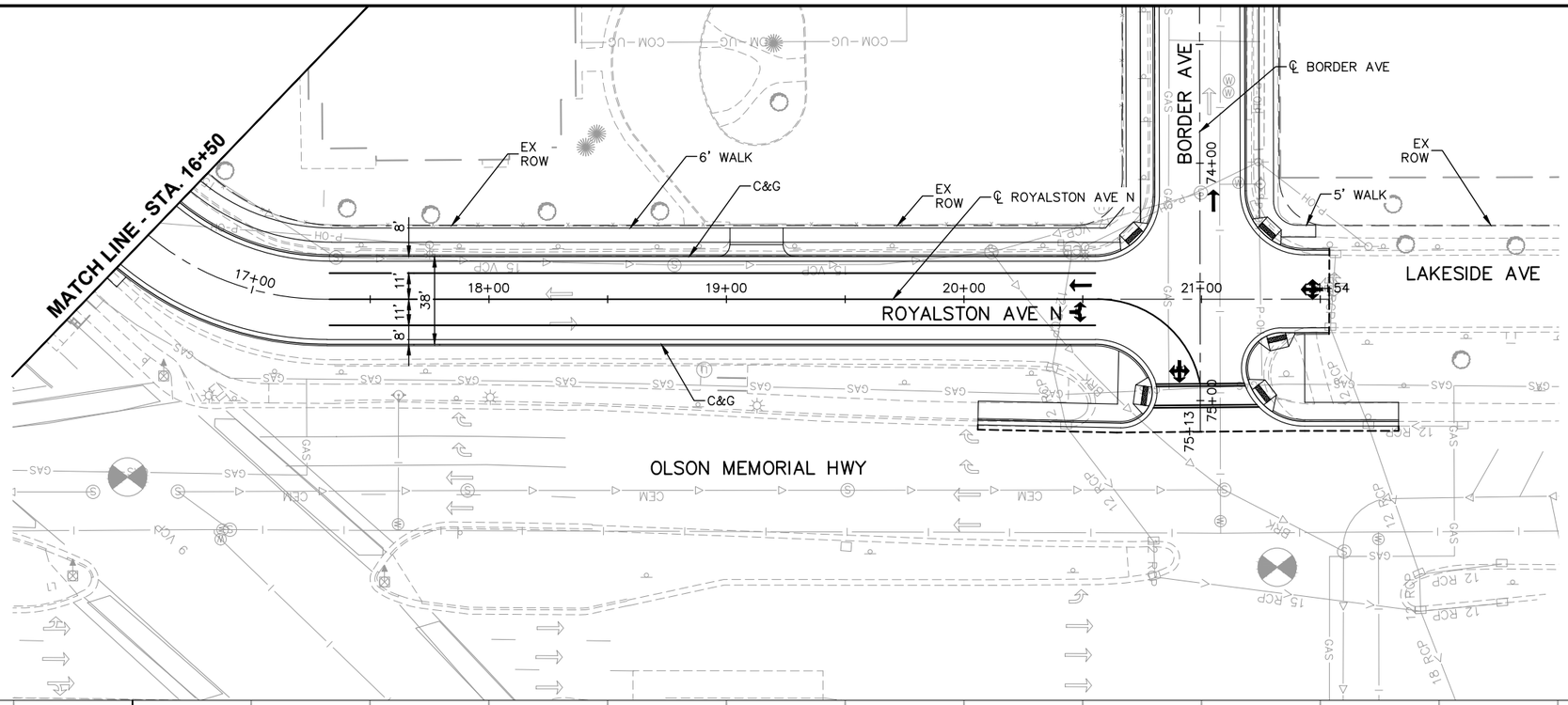
EAST SEGMENT 4
ROYALSTON AVE N
PLAN AND PROFILE
STA. 11+00 TO STA. 16+50

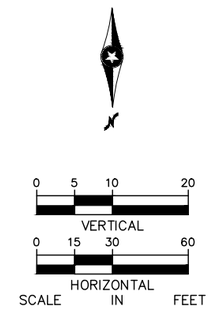
DISCIPLINE: CIVIL

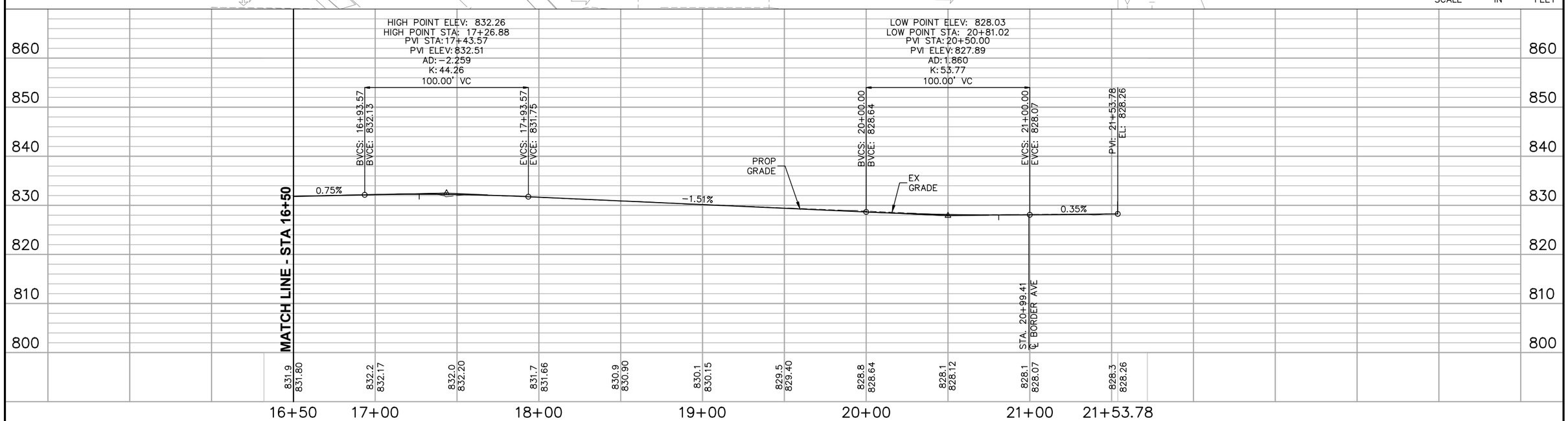
SHEET NAME: E4-CIV-PRF-015

SHEET 41 OF 63

Jul, 21 2015 10:45 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

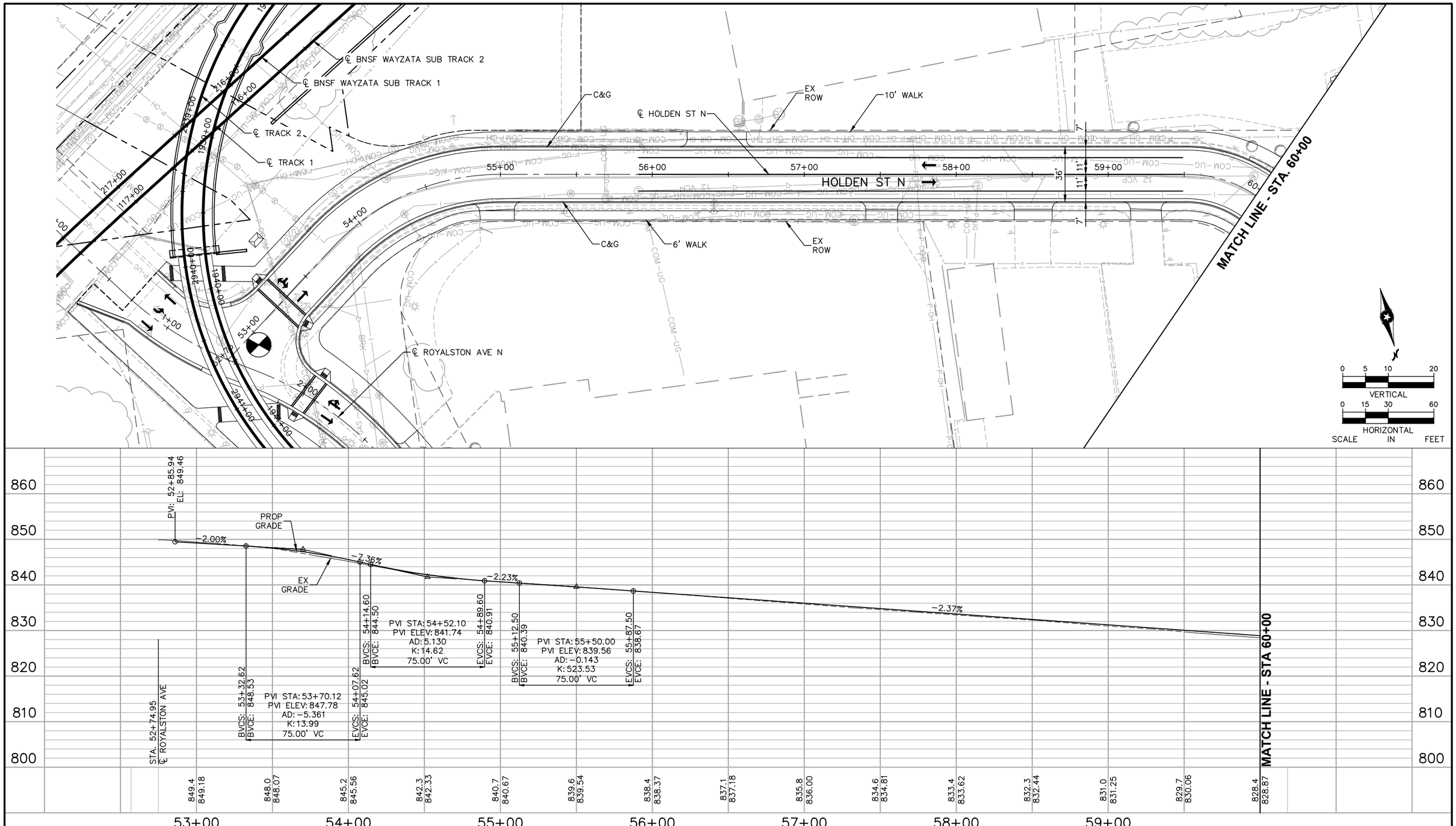
EAST SEGMENT 4
ROYALSTON AVE N
PLAN AND PROFILE
STA. 16+50 TO STA. 21+54

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-016

SHEET 42 OF 63

Jul, 21 2015 10:46 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

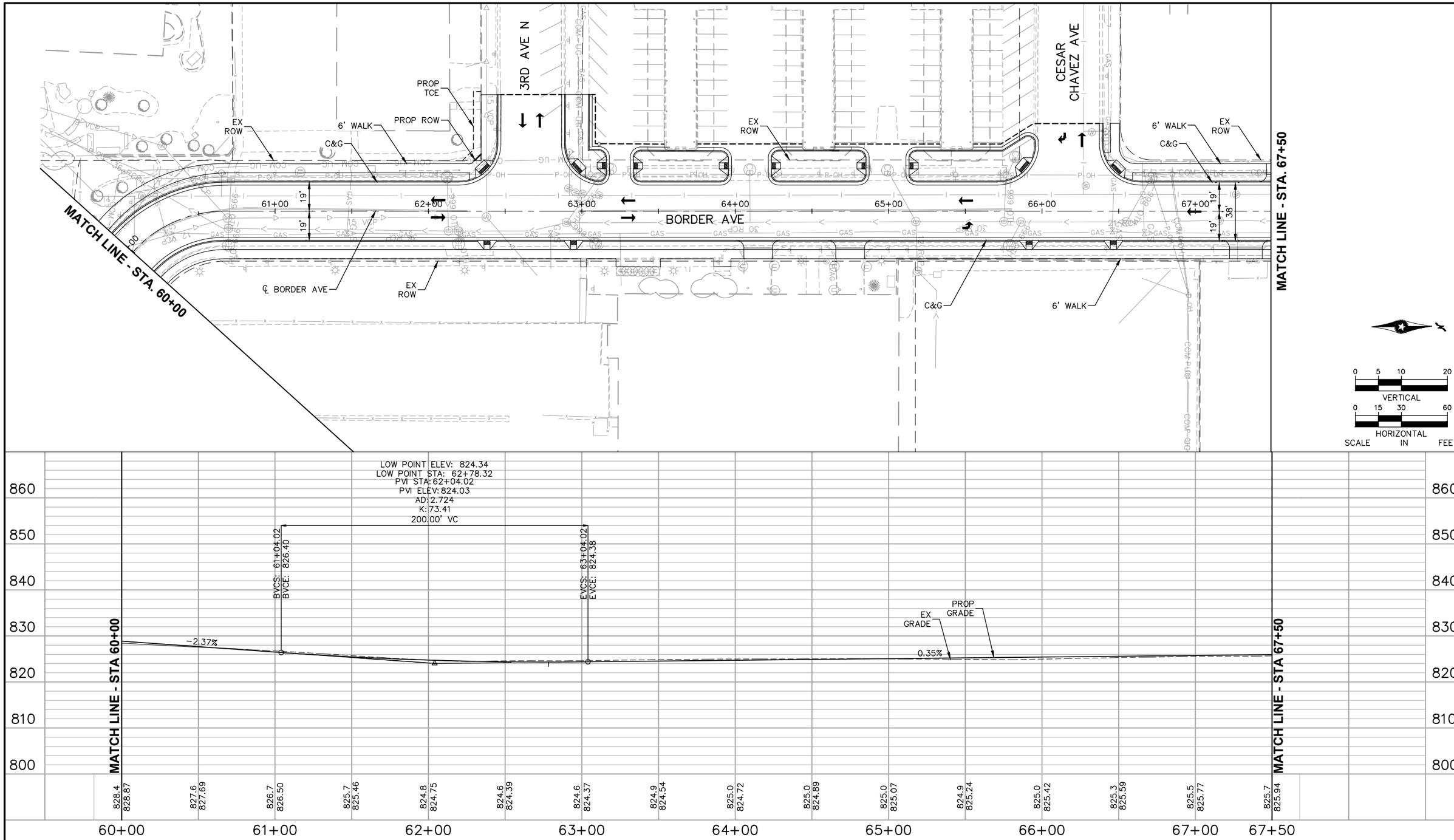
EAST SEGMENT 4
HOLDEN ST N
PLAN AND PROFILE
STA. 52+77 TO STA. 60+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-017

SHEET 43 OF 63

Jul, 21 2015 10:46 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

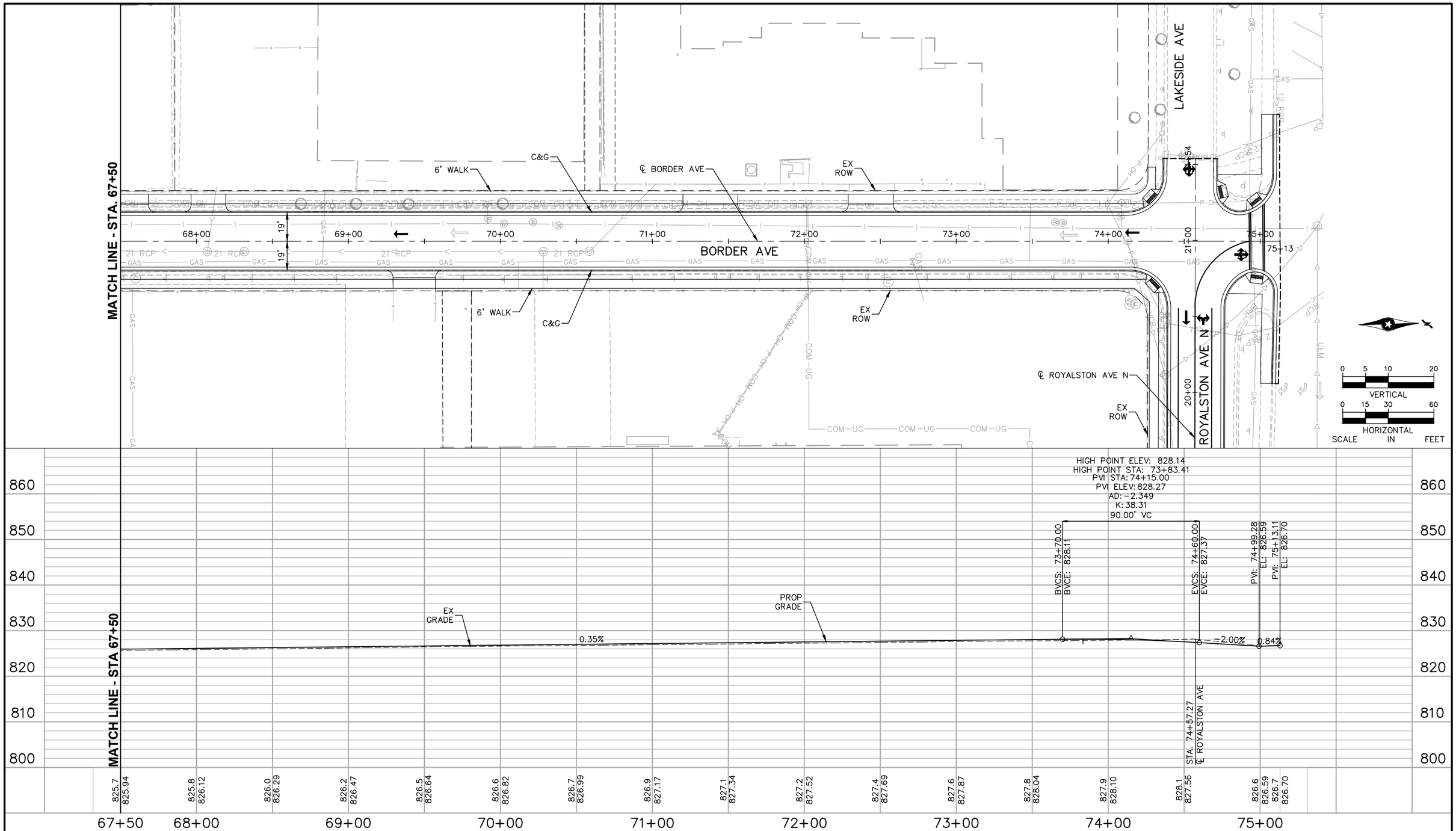
EAST SEGMENT 4
HOLDEN ST N & BORDER AVE
PLAN AND PROFILE
STA. 60+00 TO STA. 67+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-018

SHEET 44 OF 63

Jul, 21 2015 10:47 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

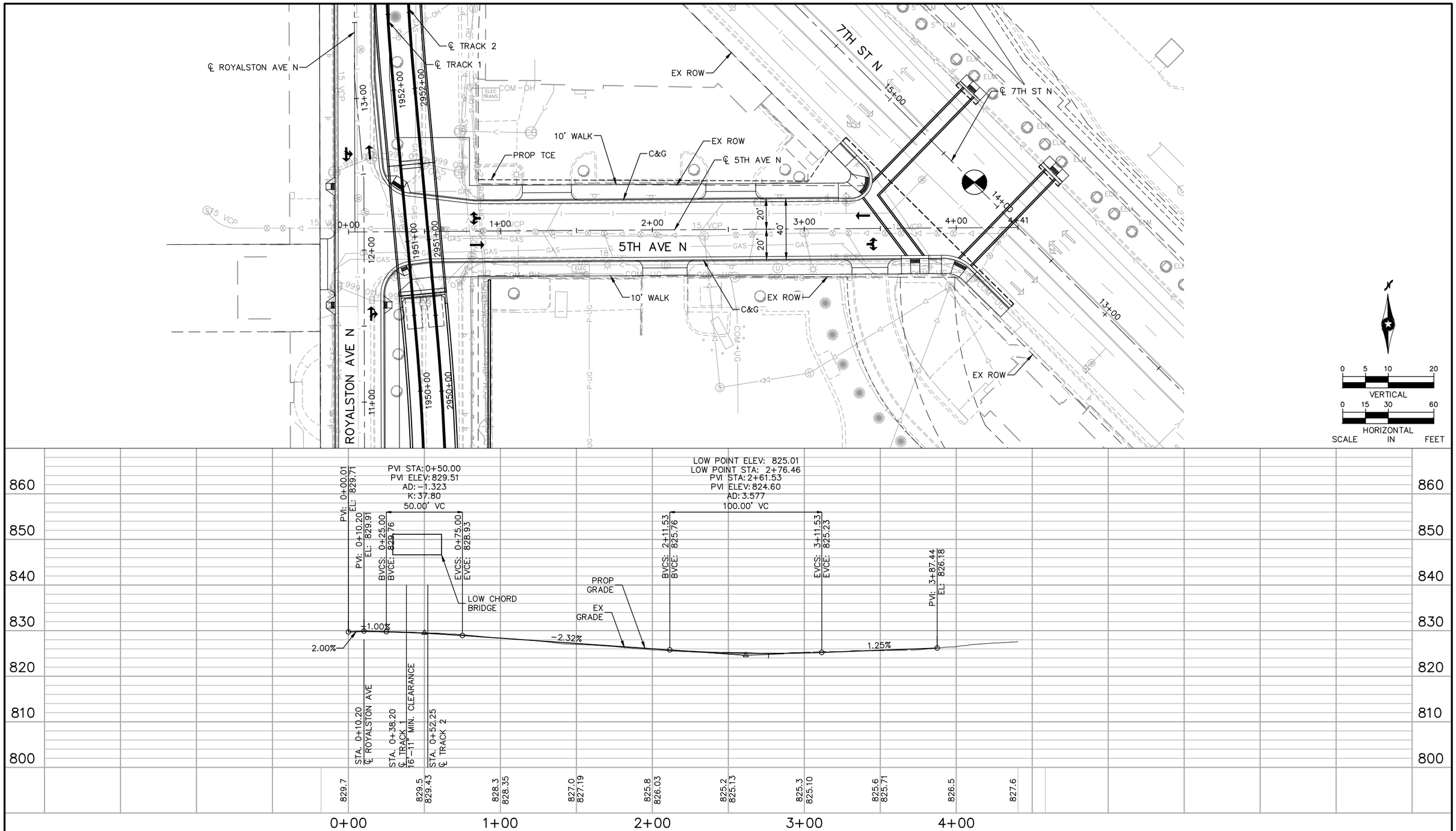
EAST SEGMENT 4
BORDER AVE
PLAN AND PROFILE
STA. 67+50 TO STA. 75+13.11

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-019

SHEET 45 OF 63

Jul, 21 2015 10:47 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

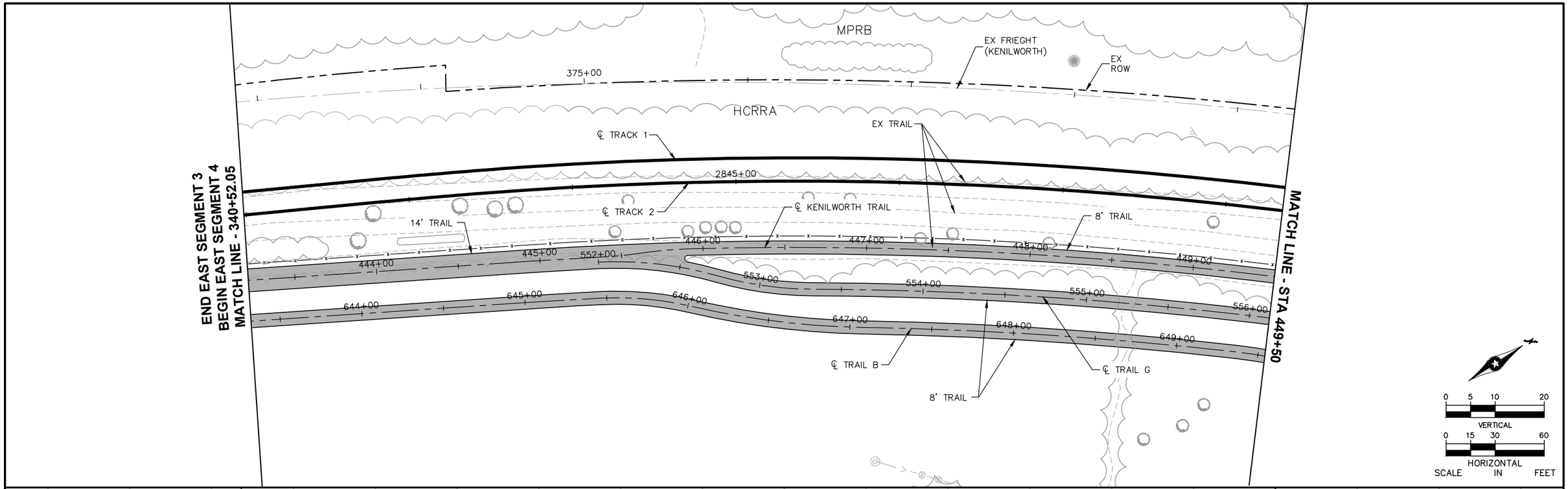
EAST SEGMENT 4
5TH AVE N
PLAN AND PROFILE
STA. 0+00 TO STA. 4+41

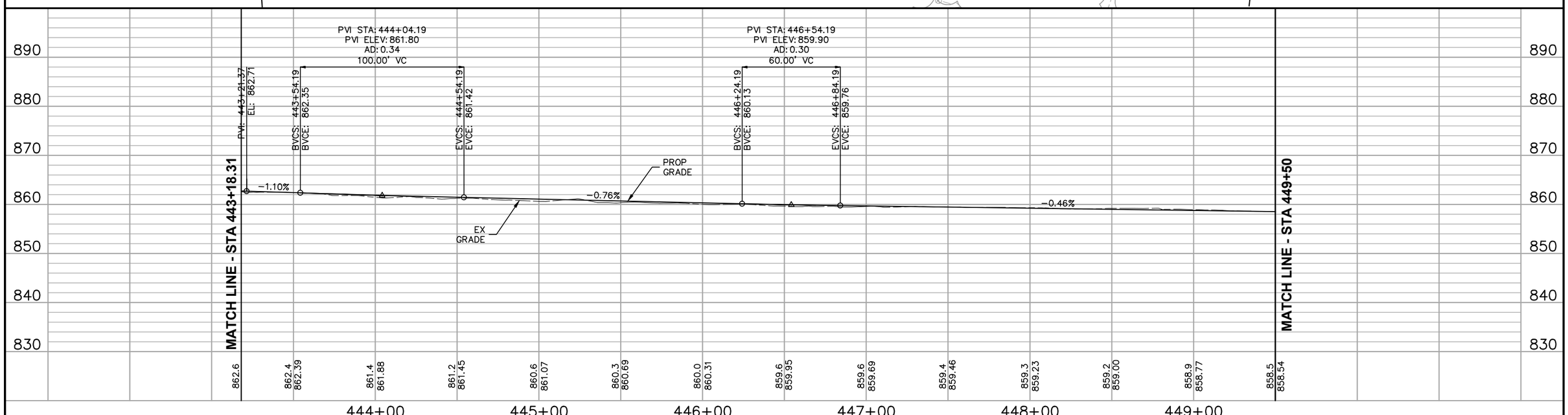
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PRF-020

SHEET 46 OF 63

Jul, 21 2015 10:48 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS\CIVIL\E4-CIV-PRF.dwg By: jason.fenner





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

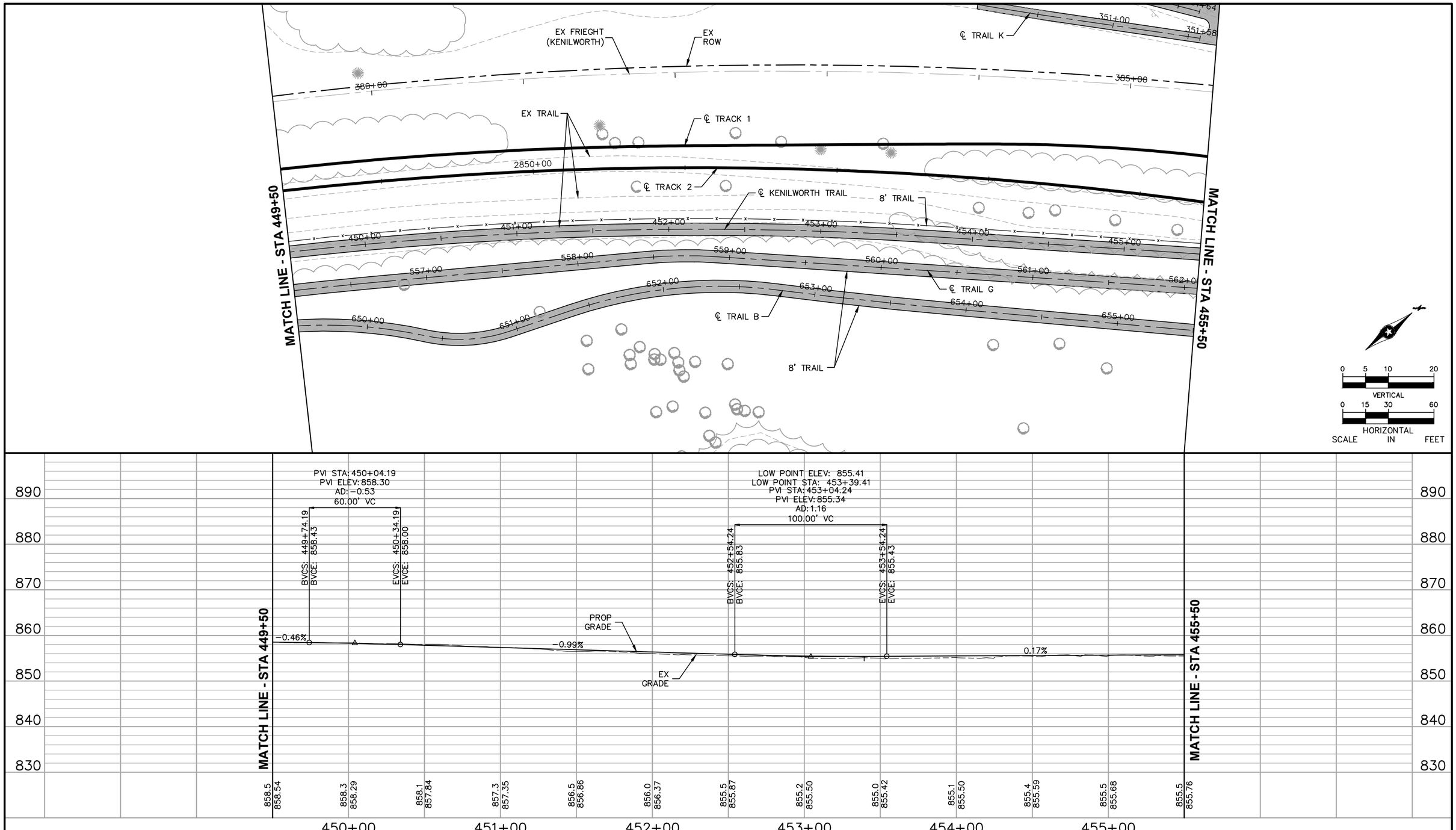
EAST SEGMENT 4
KENILWORTH TRAIL
PLAN AND PROFILE
STA 443+18.31 TO STA 449+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 001

SHEET 47 OF 63

Jul, 20 2015 06:49 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

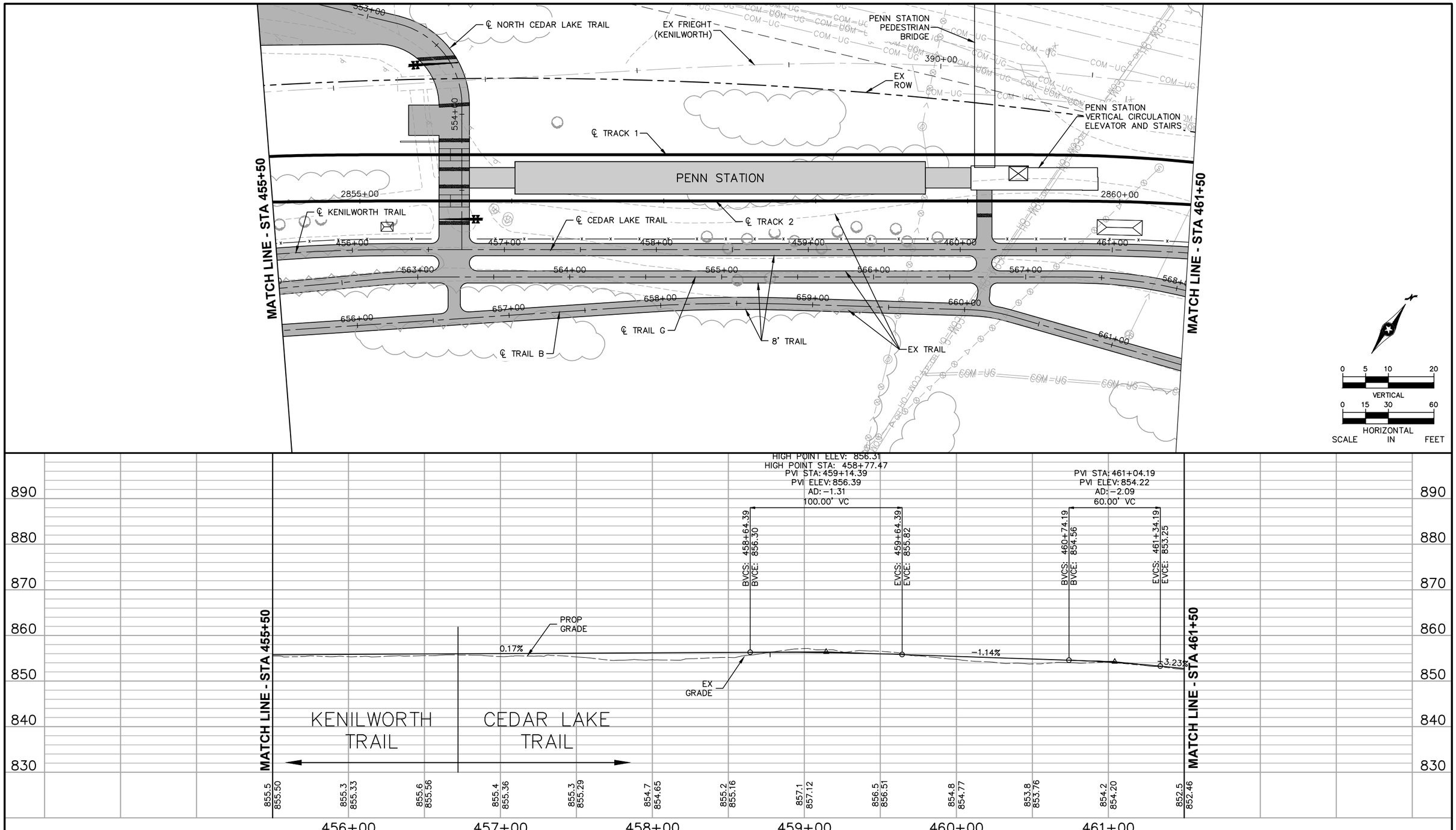
EAST SEGMENT 4
KENILWORTH TRAIL
PLAN AND PROFILE
STA 449+50 TO STA 455+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 002

SHEET 48 OF 63

Jul, 16 2015 07:29 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

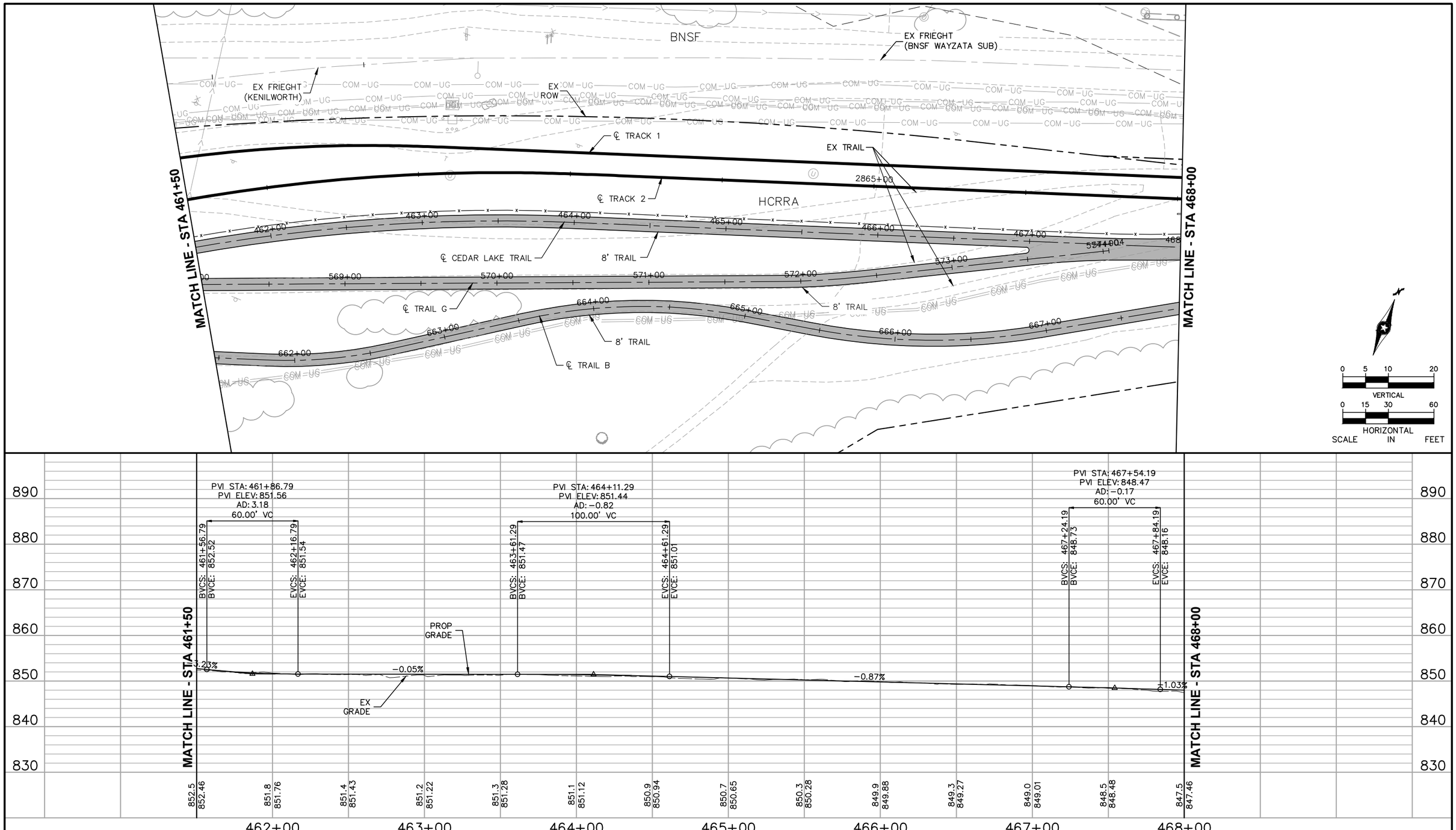
EAST SEGMENT 4
KENILWORTH TRAIL/CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 455+50 TO STA 461+50

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 003

SHEET 49 OF 63

Jul. 21 2015 04:15 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: V-JohnsoWD



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

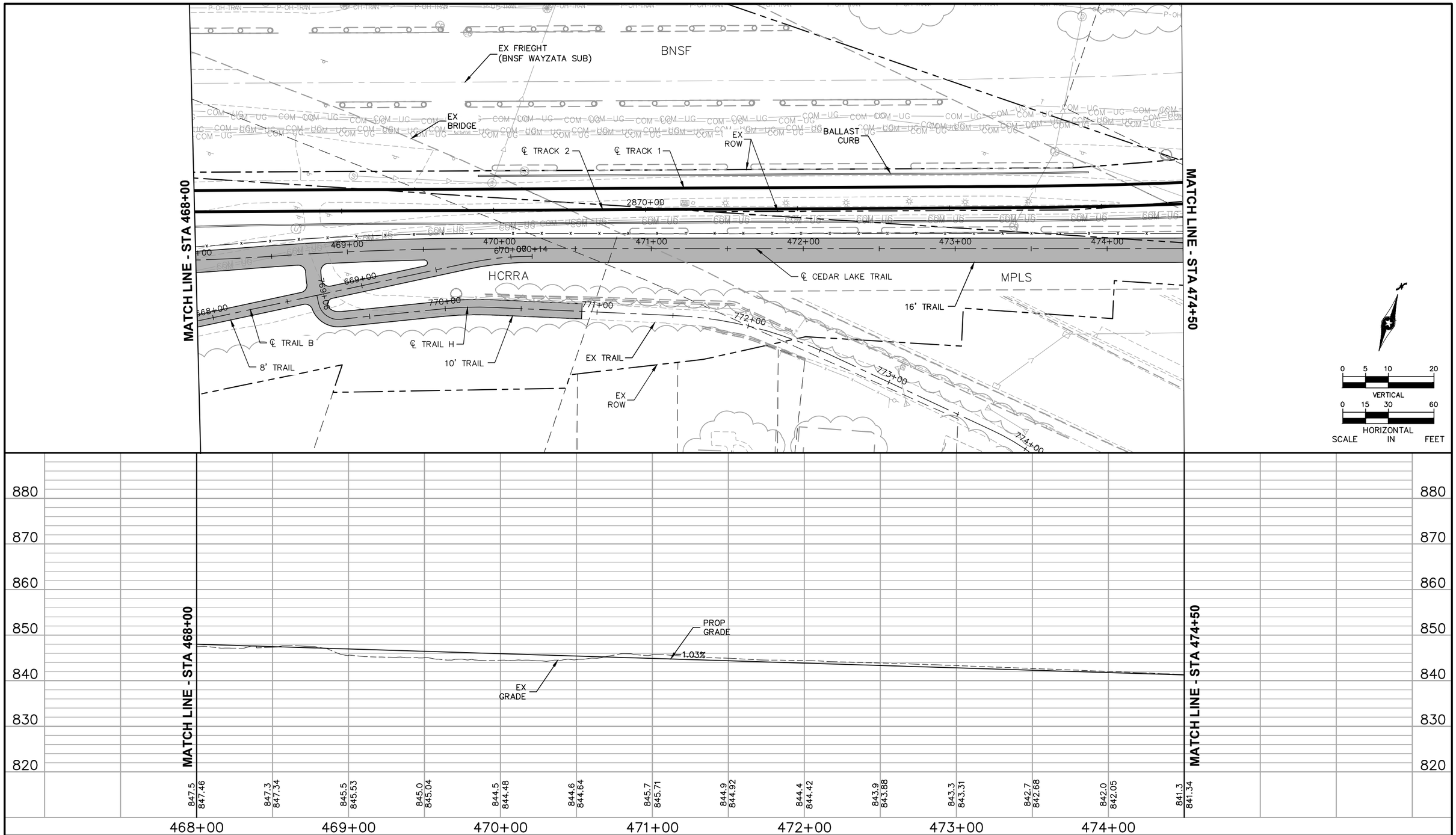
EAST SEGMENT 4
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 461+50 TO STA 468+00

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 004

SHEET 50 OF 63

Jul, 20 2015 10:10 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

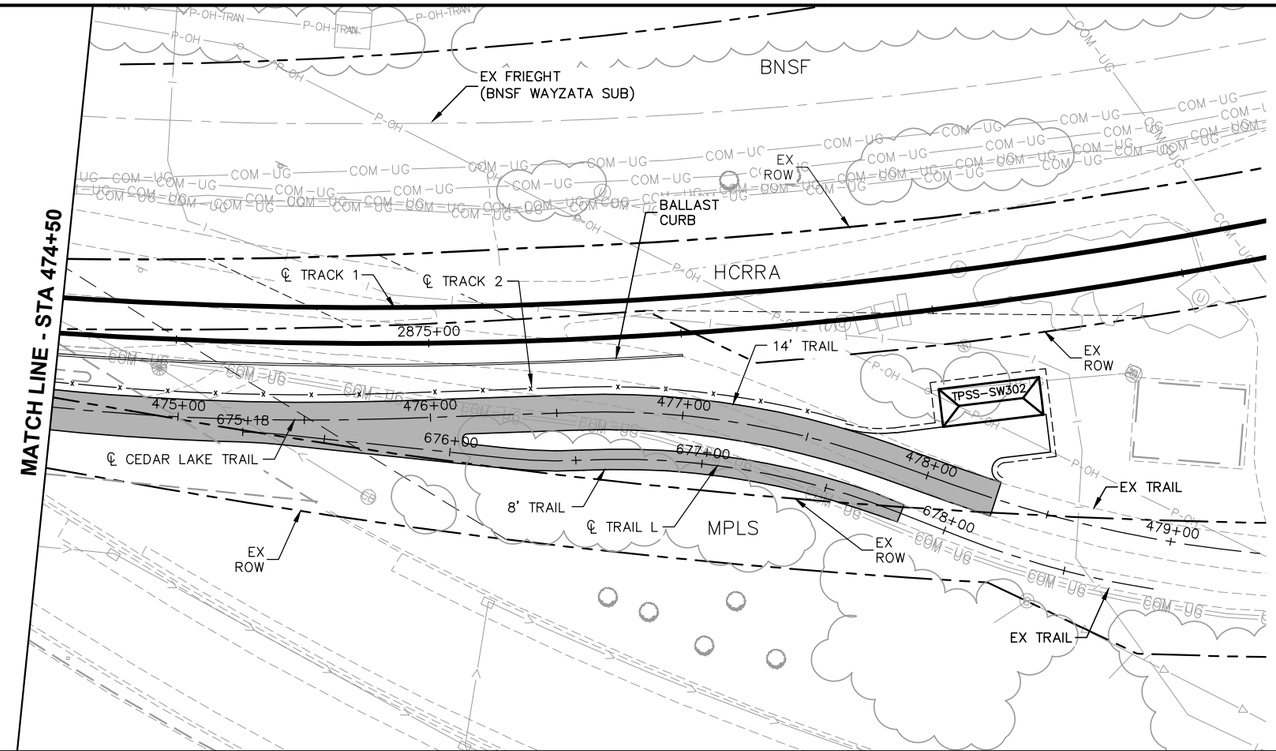
EAST SEGMENT 4
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 468+00 TO STA 474+50

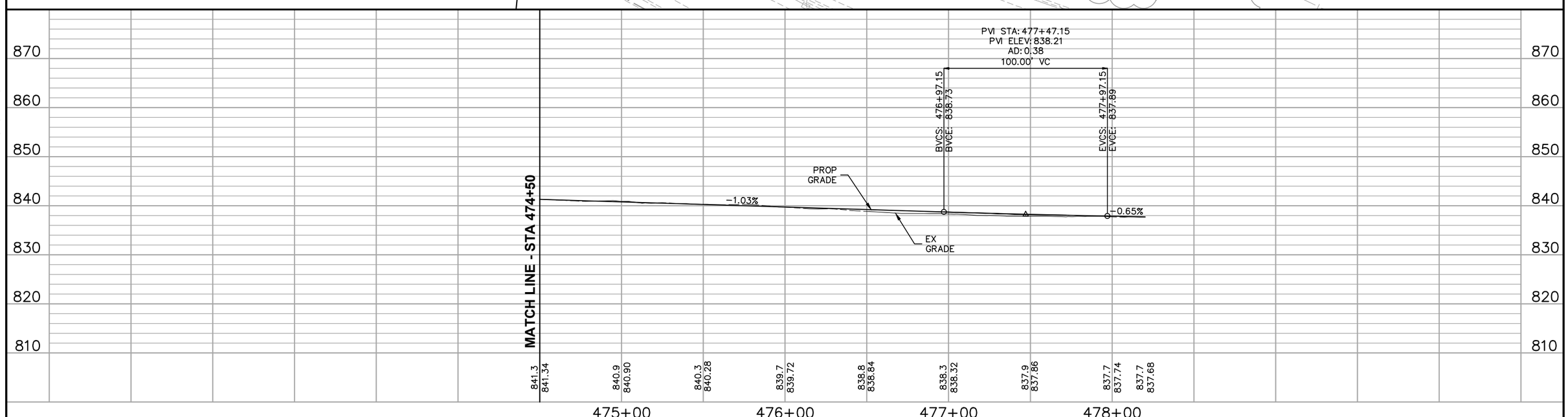
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 005

SHEET 51 OF 63

Jul, 20 2015 10:11 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: Wedgehr





0 5 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

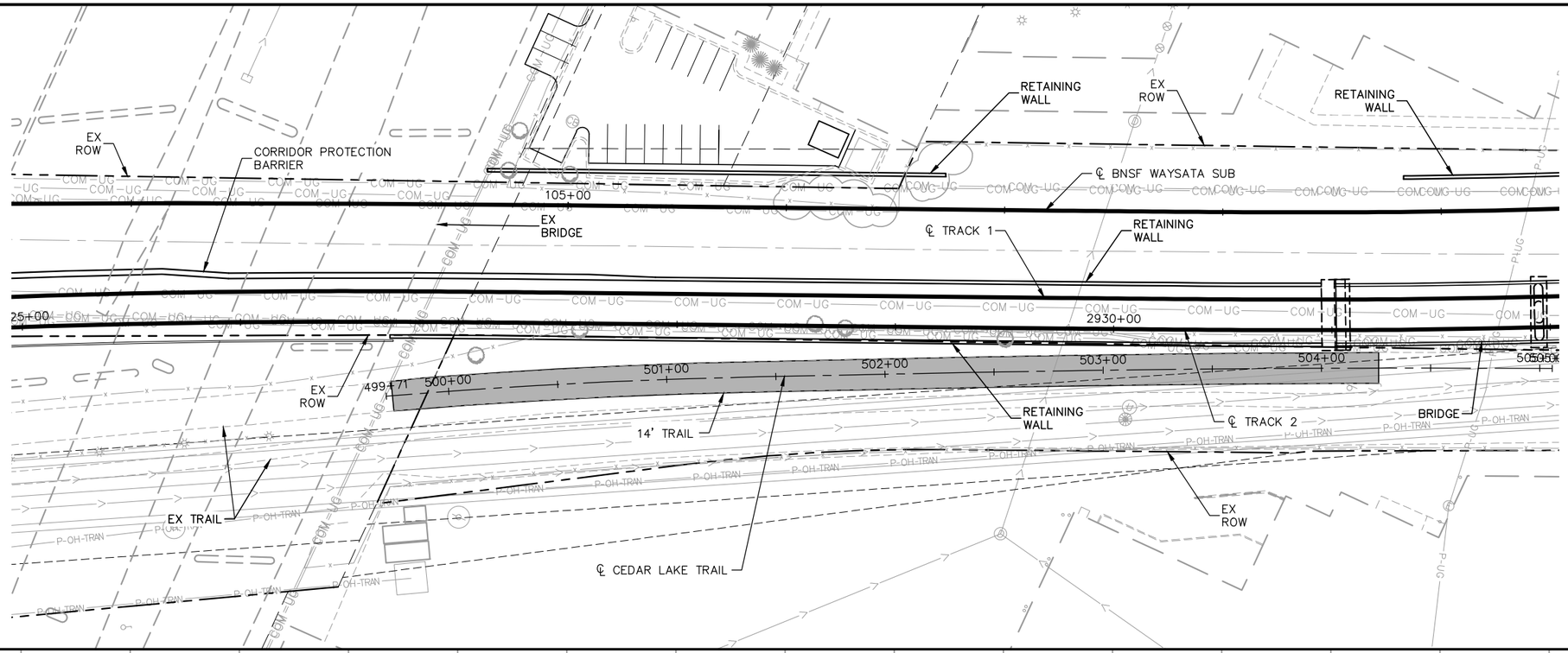
EAST SEGMENT 4
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 474+50 TO STA 478+20.24

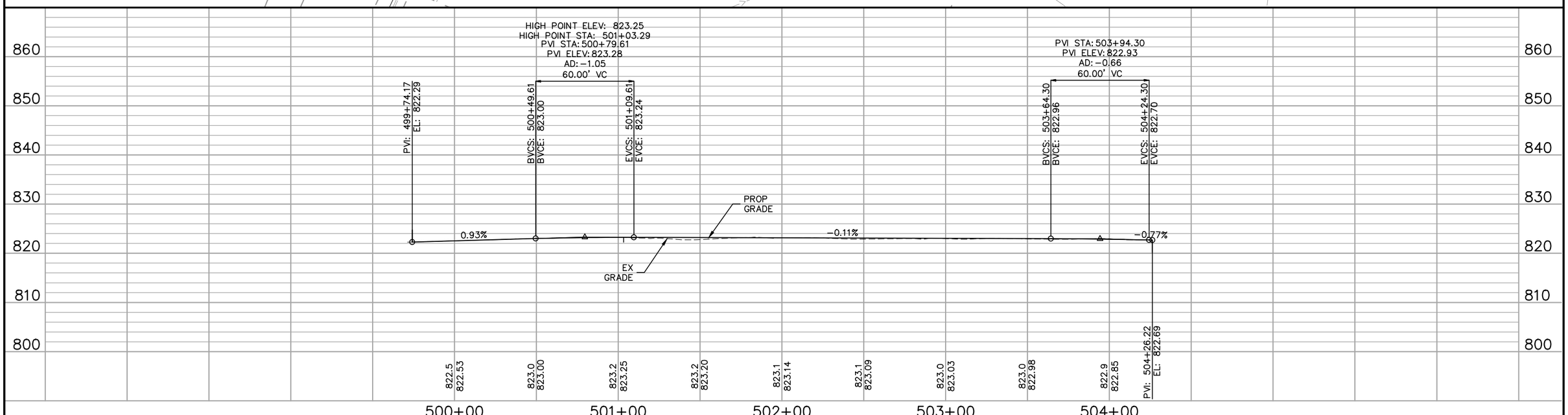
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 006

SHEET 52 OF 63

Jul. 20 2015 10:12 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: Wedgehr





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

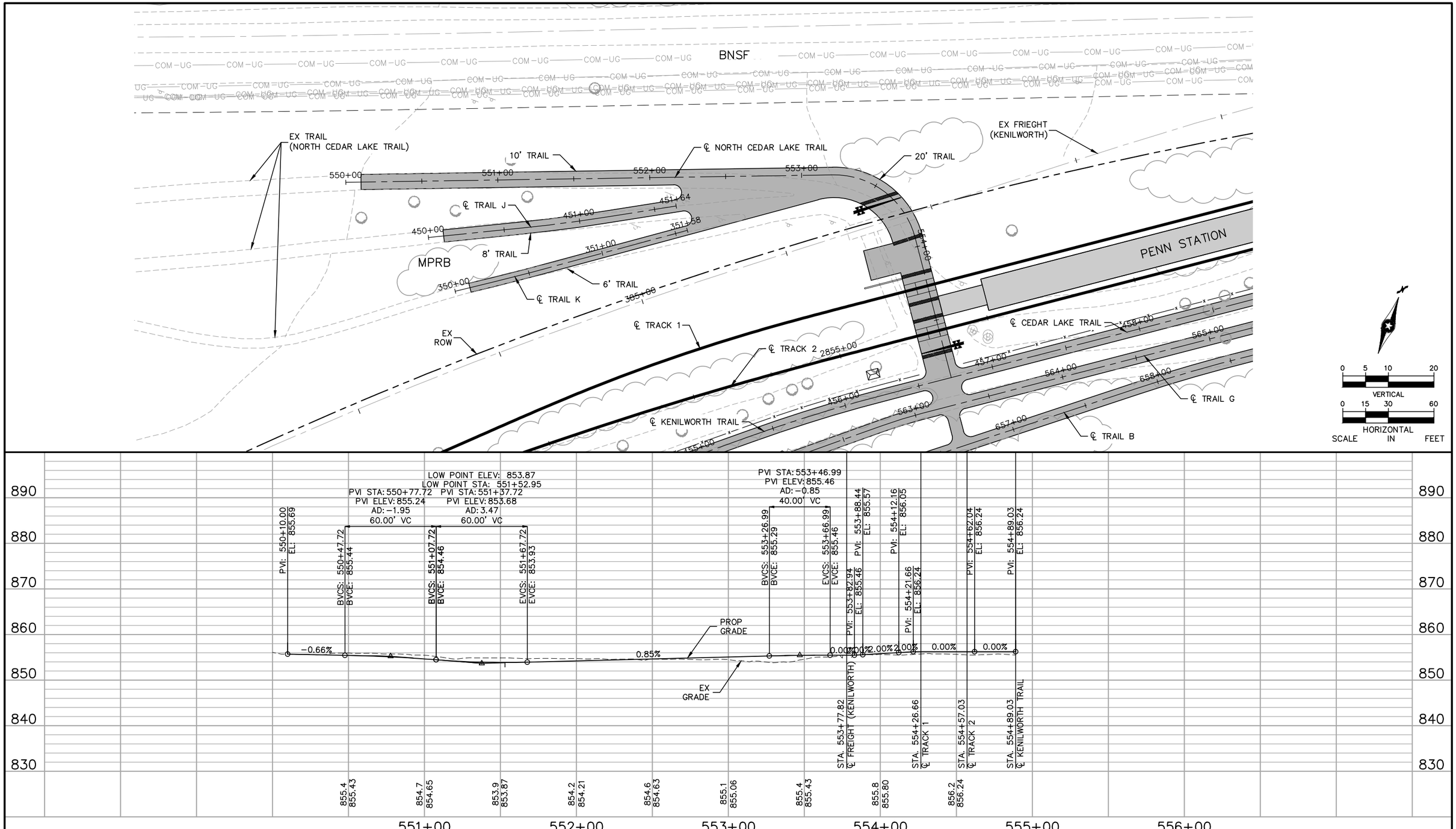
EAST SEGMENT 4
CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 449+71 TO STA 504+26

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 007

SHEET 53 OF 63

Jul, 20 2015 06:45 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

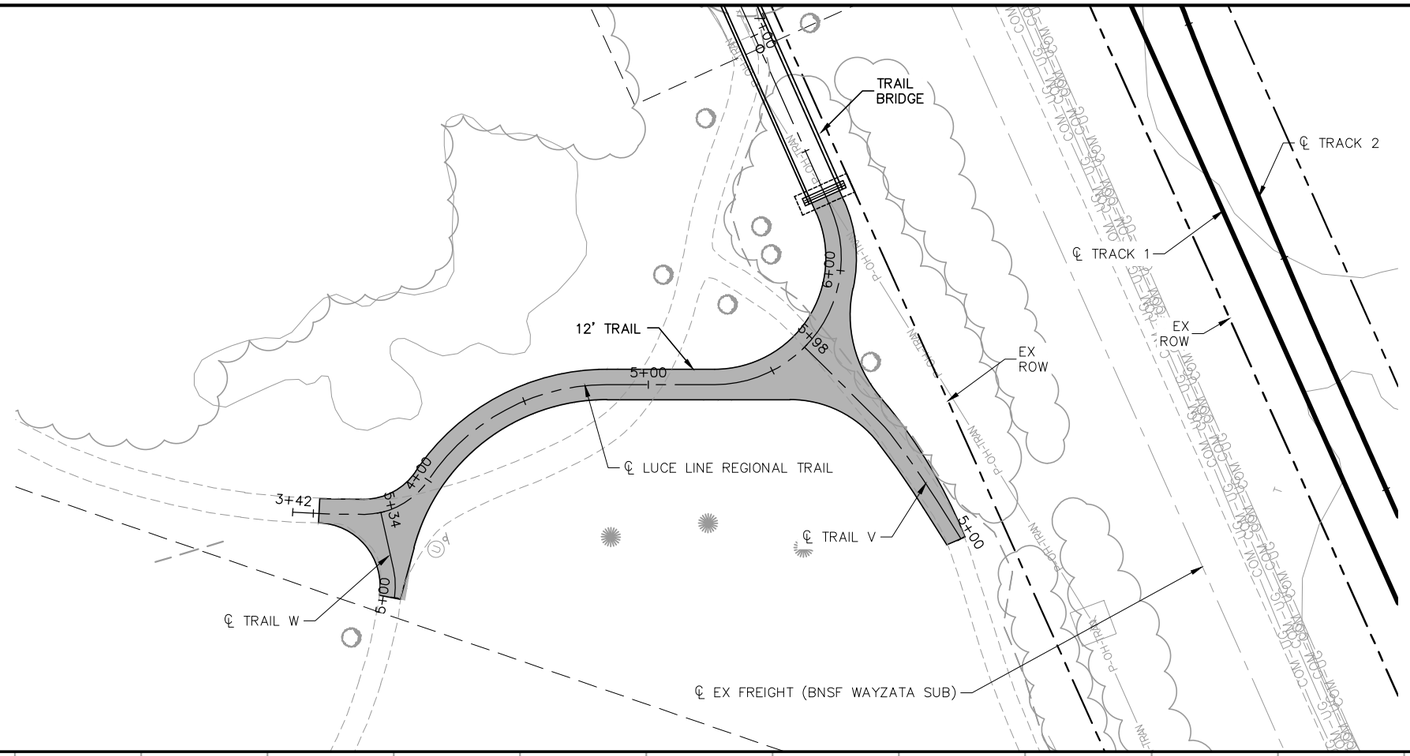
EAST SEGMENT 4
NORTH CEDAR LAKE TRAIL
PLAN AND PROFILE
STA 550+10 TO STA 555+11.31

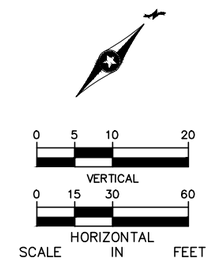
DISCIPLINE: CIVIL

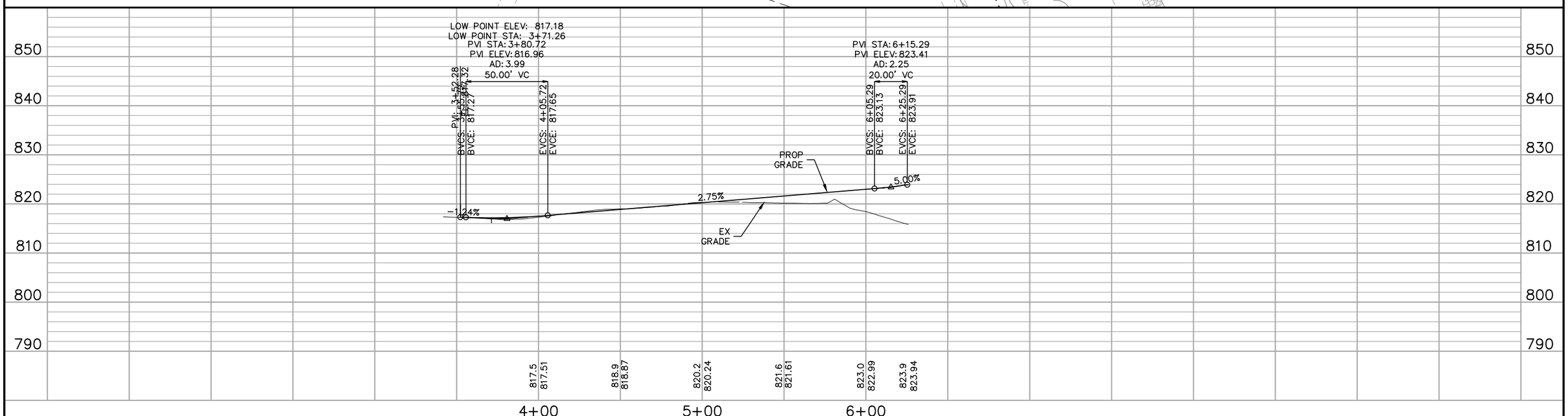
SHEET NAME: E4-CIV-TRL - 008

SHEET 54 OF 63

Jul, 21 2015 04:16 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: V-JohnsoWD







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

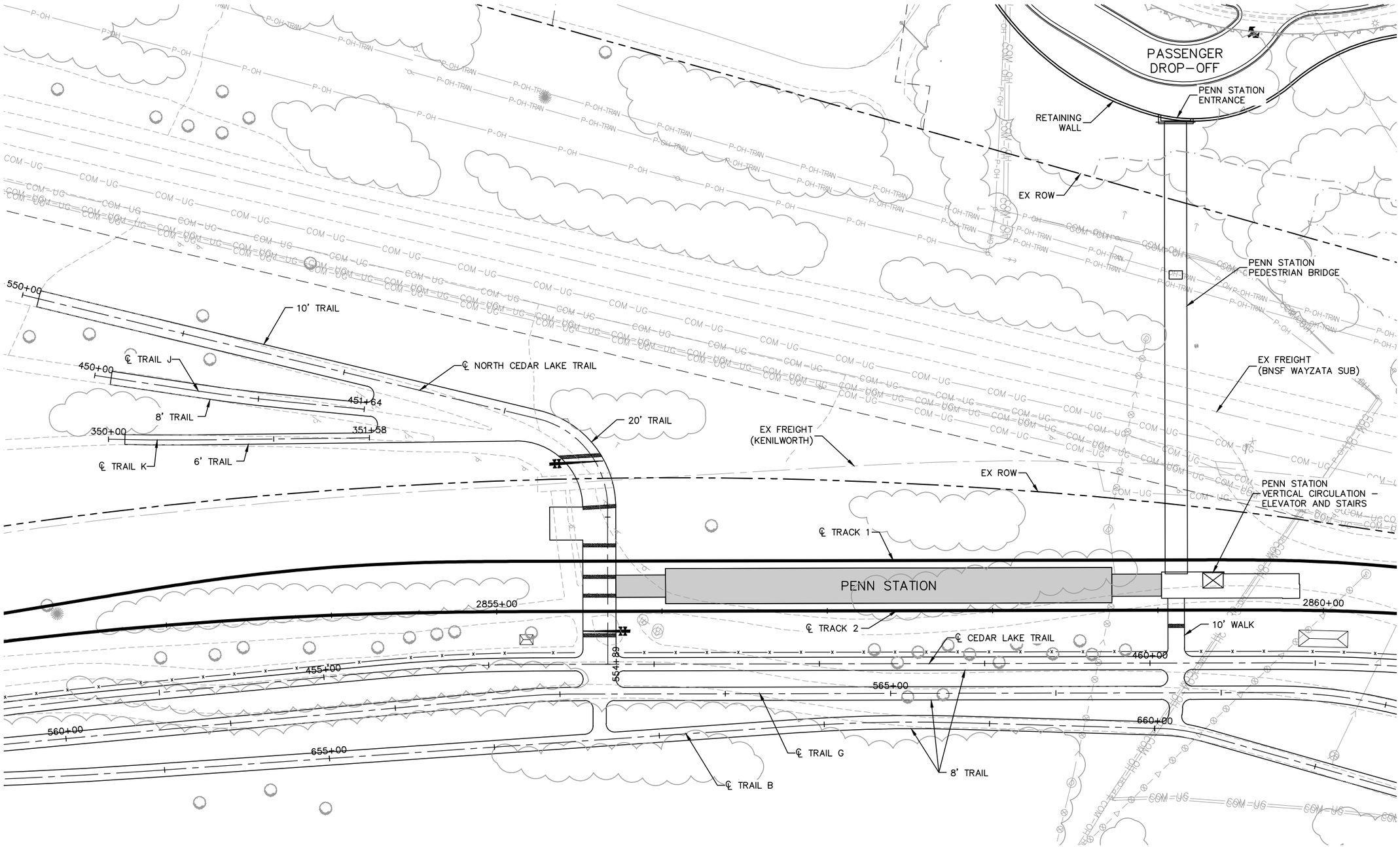
EAST SEGMENT 4
LUCE LINE REGIONAL TRAIL
PLAN AND PROFILE
STA 3+42 TO STA 6+26

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-TRL - 009

SHEET 55 OF 63

Jul, 20 2015 10:15 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-TRL.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

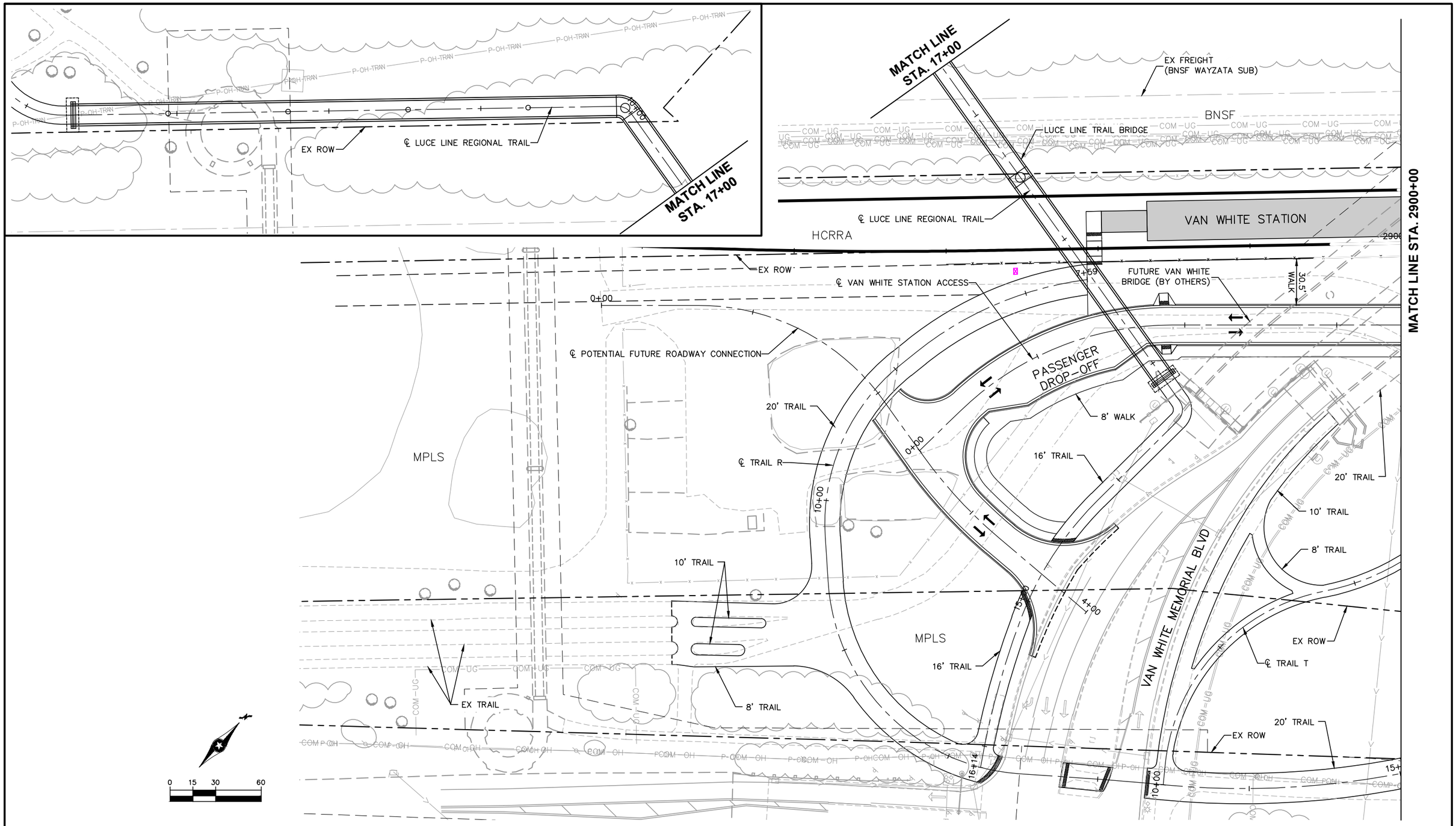
EAST SEGMENT 4
PENN STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 001

SHEET 56 OF 63

Jul, 21 2015 04:13 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-PLN.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

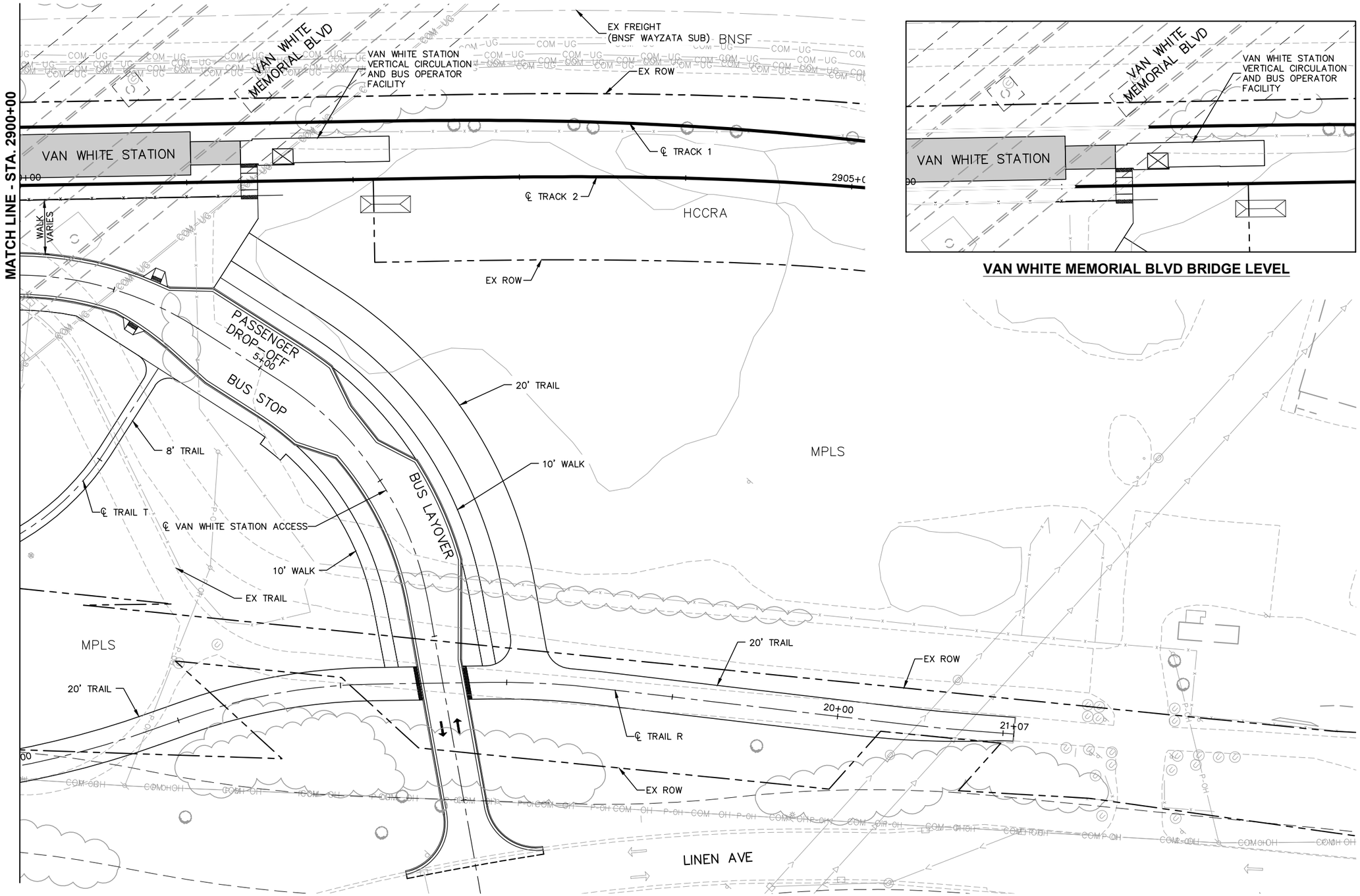
EAST SEGMENT 4
VAN WHITE STATION
SITE PLAN WEST

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 002

SHEET 57 OF 63

Jul, 20 2015 07:04 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-PLN.dwg By: Wedgehr



VAN WHITE MEMORIAL BLVD BRIDGE LEVEL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

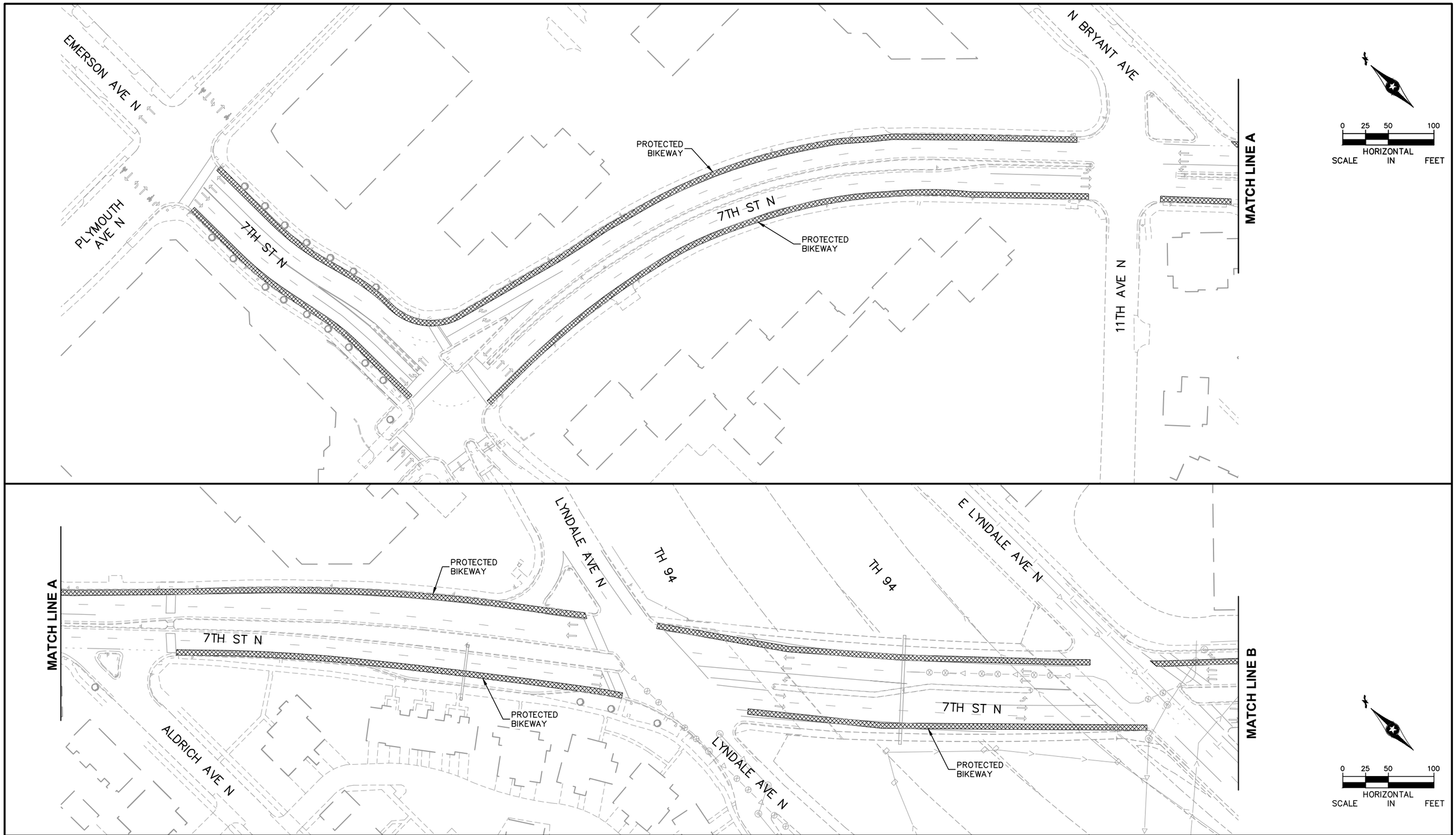
EAST SEGMENT 4
VAN WHITE STATION
SITE PLAN EAST

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 003

SHEET 58 OF 63

Jul, 20 2015 08:19 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-PLN.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

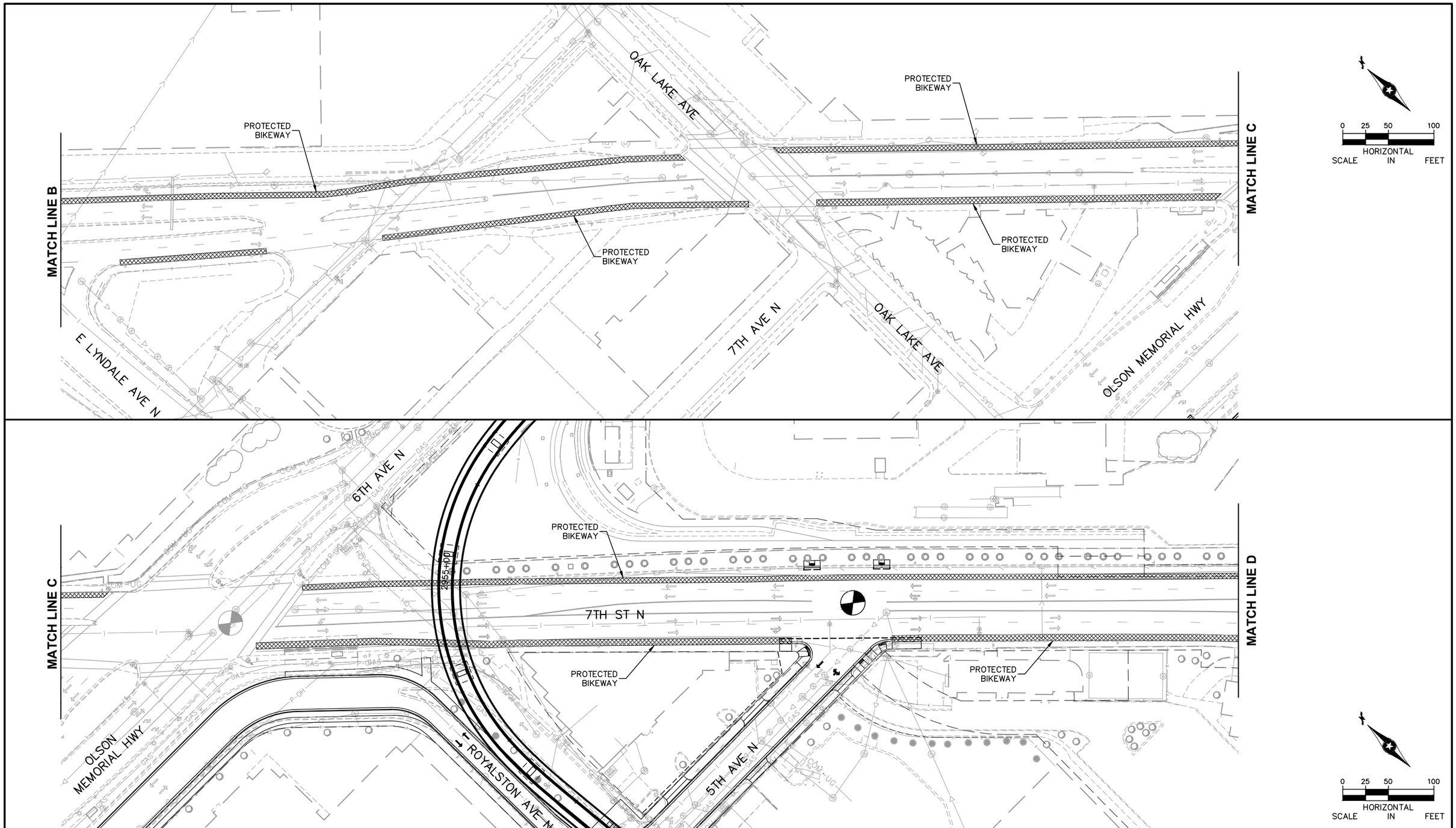
EAST SEGMENT 4
7TH ST N
PROTECTED BIKEWAY
1 OF 3

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 004

SHEET 59 OF 63

Jul, 20 2015 07:06 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-PLN.dwg By: Wedgehr



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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

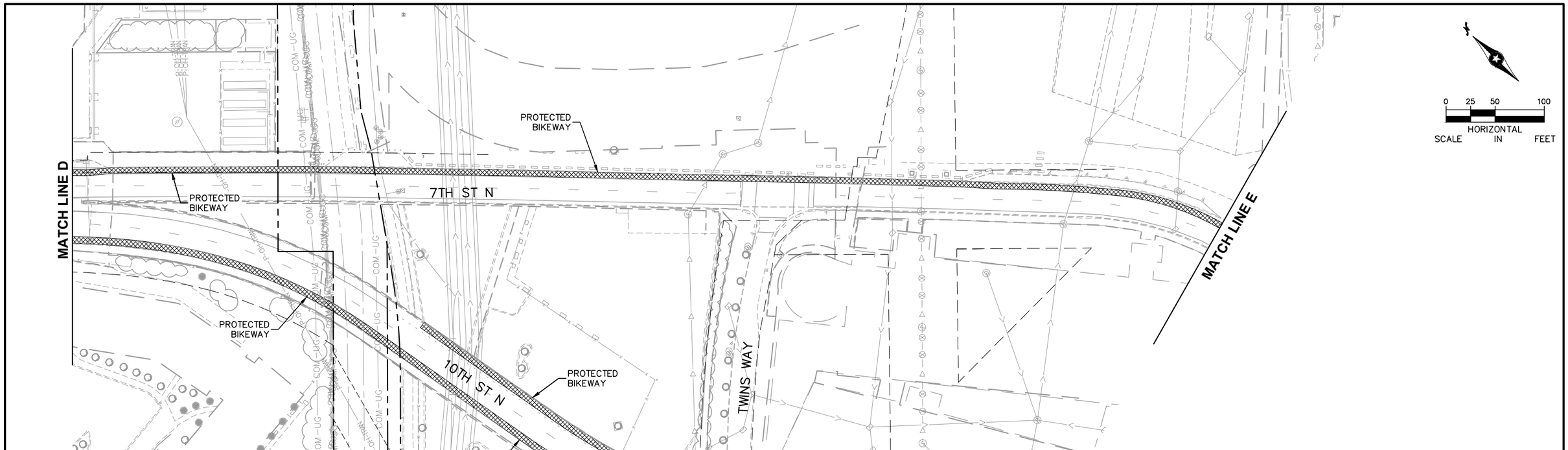
EAST SEGMENT 4
7TH ST N
PROTECTED BIKEWAY
2 OF 3

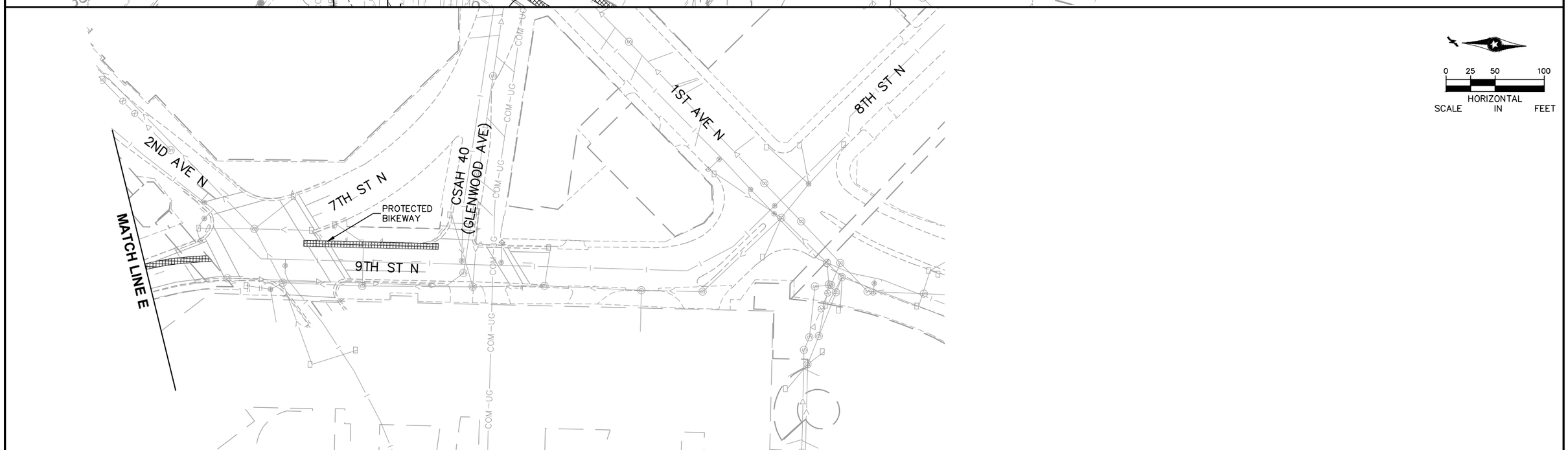
DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 005

SHEET 60 OF 63

Jul, 20 2015 07:07 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-PLN.dwg By: Wedgehr





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

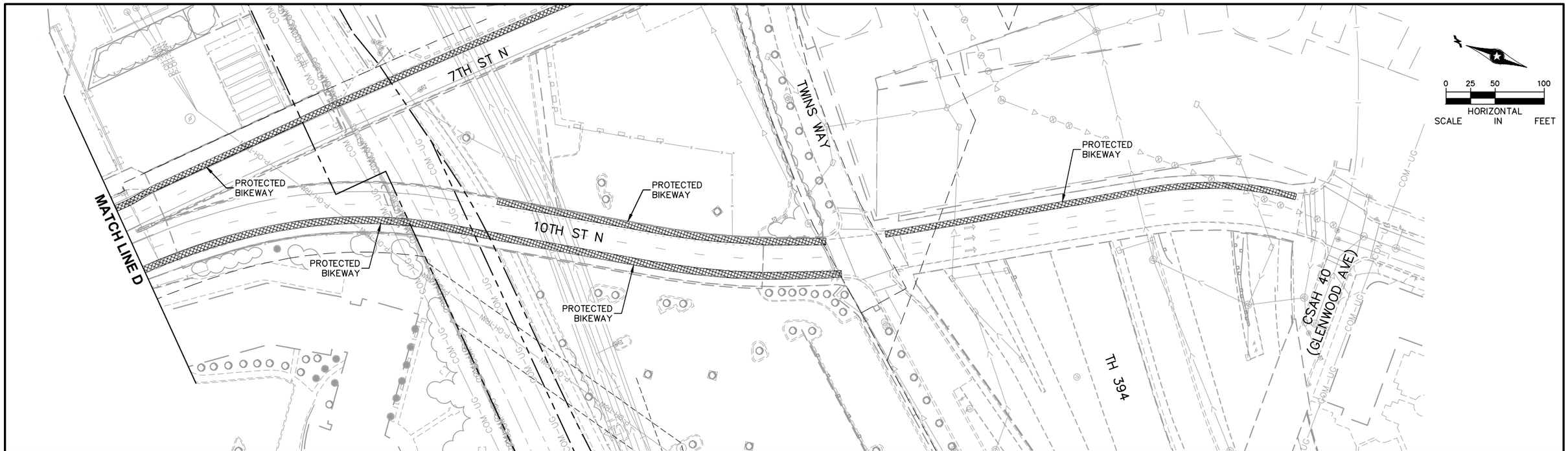
EAST SEGMENT 4
7TH ST N
PROTECTED BIKEWAY
3 OF 3

DISCIPLINE: CIVIL

SHEET NAME: E4-CIV-PLN - 006

SHEET 61 OF 63

Jul, 20 2015 07:08 pm V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-PLN.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

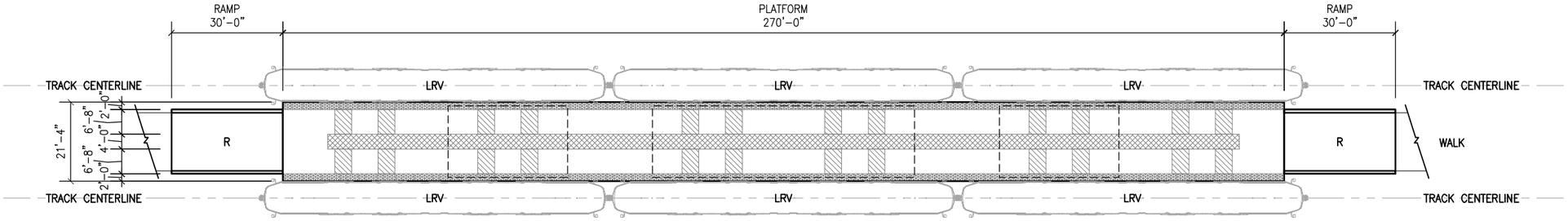
EAST SEGMENT 4
10TH ST N
PROTECTED BIKEWAY

DISCIPLINE: CIVIL

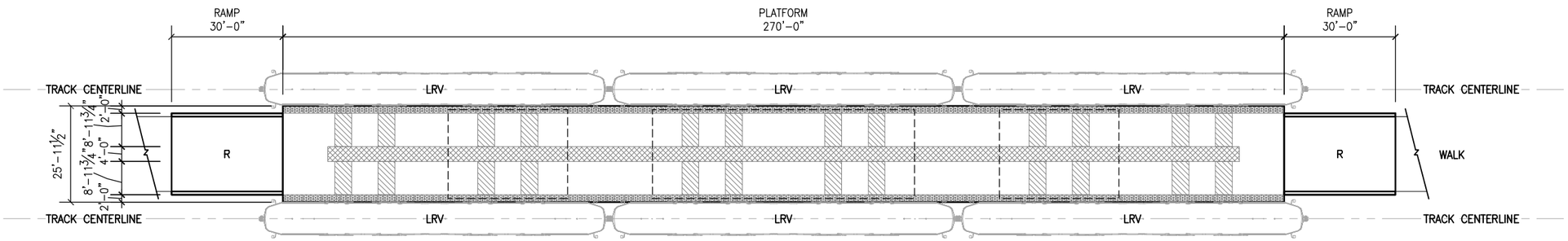
SHEET NAME: E4-CIV-PLN - 007

SHEET 62 OF 63

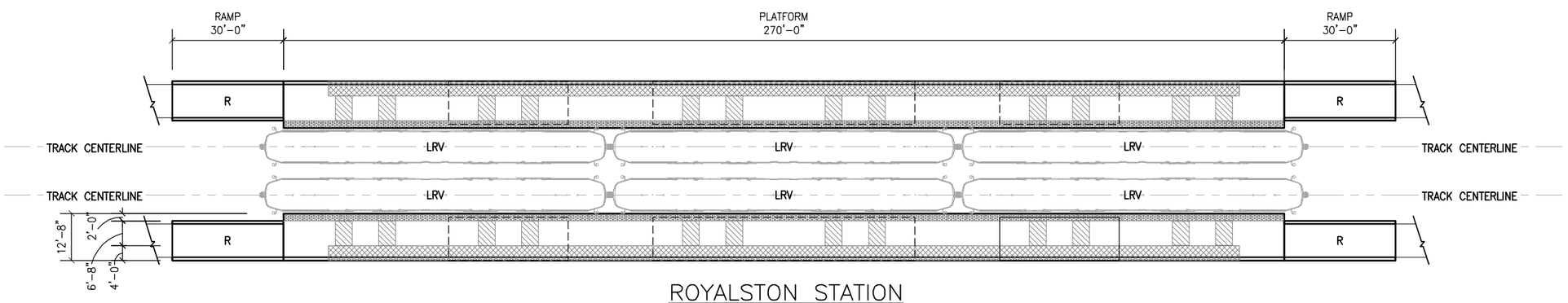
Jul, 17 2015 11:28 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\CIVIL\E4-CIV-PLN.dwg By: Wedgehr



PENN STATION
(TYPICAL CENTER PLATFORM)



VAN WHITE STATION
(WIDE PLATFORM TO ACCOMMODATE FUTURE VERTICAL CIRCULATION)



ROYALSTON STATION
(SIDE PLATFORM)

STATION PLATFORM ELEMENTS:

R — APPROACH RAMPS
- LESS THAN 5% SLOPE
- HAND RAILINGS ON BOTH SIDES

PATRON CIRCULATION ZONE
- CLEAR OF OBSTRUCTIONS
- WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO PEOPLE

TRAIN LOADING AND UNLOADING ZONE
- AREAS WHERE TRAIN DOORS ARE LOCATED WHEN LRV IS AT STATION PLATFORM.

PATRON WAITING AREA AND STRUCTURE ZONE
- FARE COLLECTION EQUIPMENT
- COMMUNICATIONS AND ELECTRICAL EQUIPMENT
- INFORMATION KIOSKS
- TRASH CANS
- SIGNAGE

SHELTER AND CANOPY STRUCTURE
- COVERED WINDSCREEN/SHELTER AREAS WITH BENCHES AND LEANING RAILS
- PROTECTION AT BOARDING AREAS

BOARDING EDGE
- ADA DETECTABLE WARNING AT EDGE OF PLATFORM

STATION TYPE BY LOCATION:

STATION CANOPY DESIGN VARIES BY STATION TYPE AND LOCATION

PENN STATION: LANDSCAPE TYPE

VAN WHITE STATION: LANDMARK TYPE

ROYALSTON STATION: NEIGHBORHOOD TYPE

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 4
STATION LAYOUTS
CENTER AND SIDE PLATFORMS

DISCIPLINE: ARCHITECTURE

SHEET NAME: E4-ARC-STA-PLN

SHEET 63 OF 63

Jul, 21 2015 08:01 am V:\3400_ADC\CAD\SEGMENT E4\PLAN SHEETS MC\ARCH\E4-ARC-STA-PLN.dwg By: Ebsenjr