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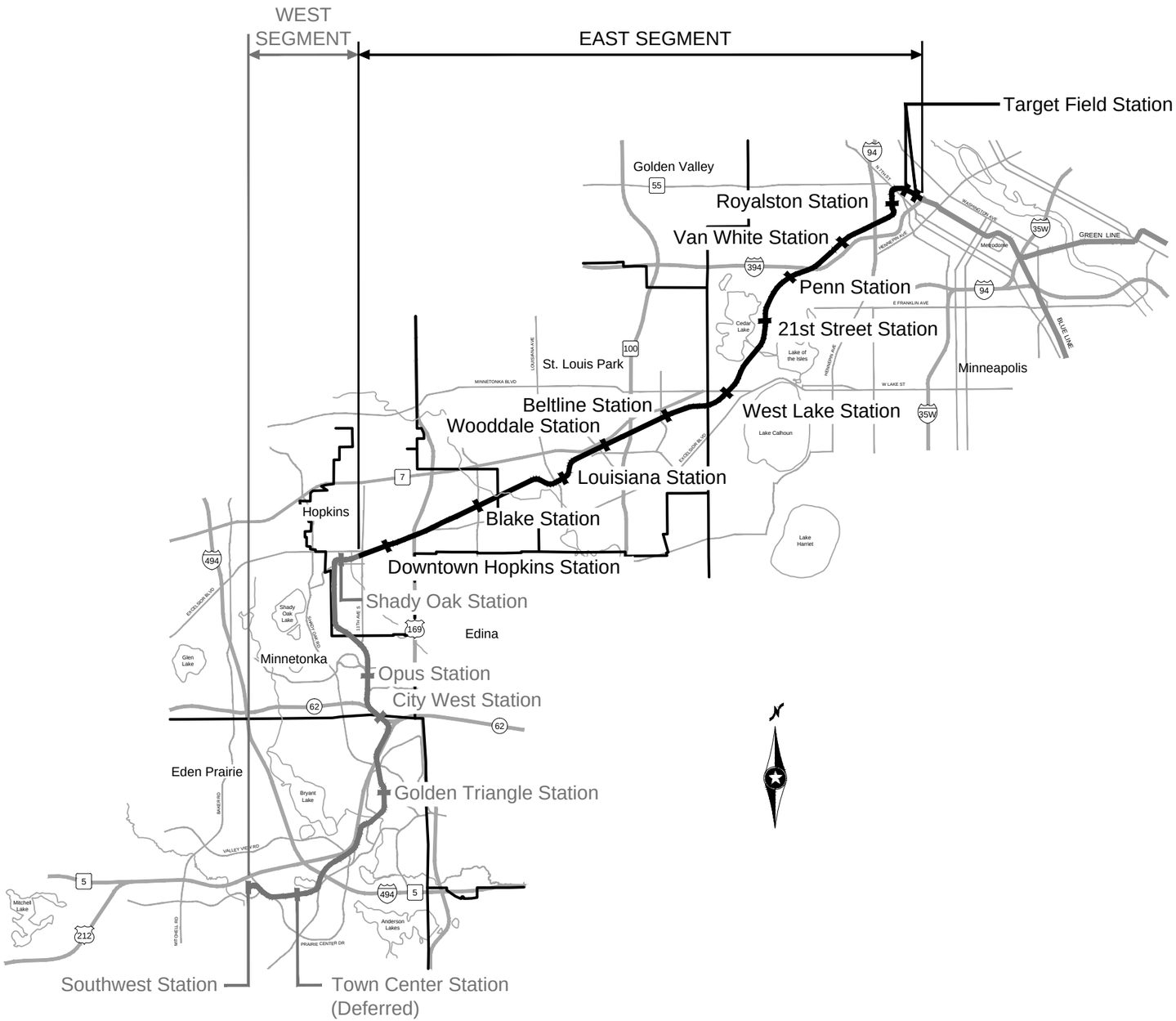

SOUTHWEST
Green Line LRT Extension

METROPOLITAN COUNCIL

EAST SEGMENT 3

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

MN STATUTE 473.3994

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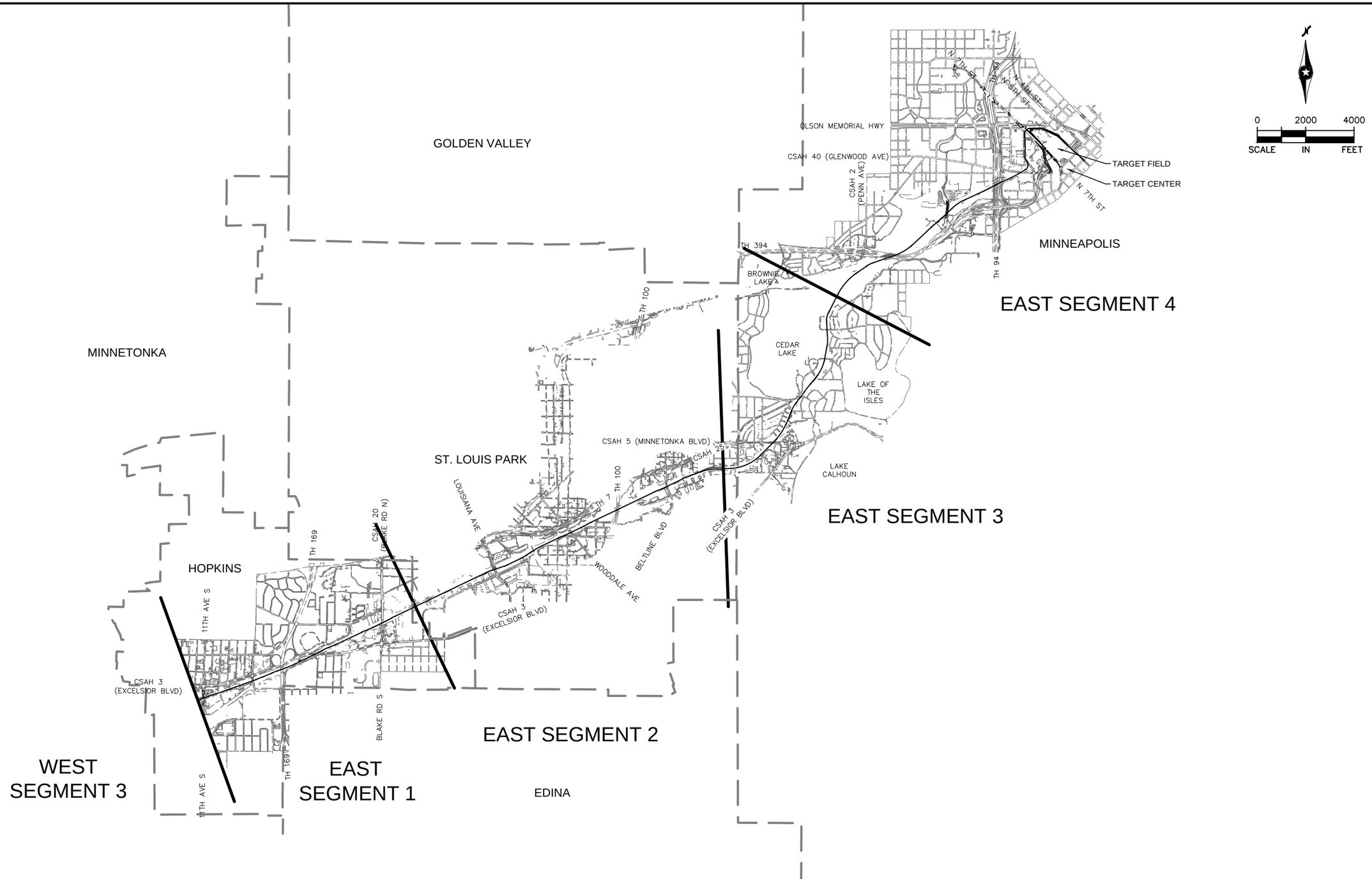
50 STATION LAYOUT

AECOM Kimley»Horn

PRELIMINARY - NOT FOR CONSTRUCTION

Jul, 22 2015 09:52 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\GENERAL\E3-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 3
GENERAL
SEGMENT KEY MAP

DISCIPLINE: GENERAL

SHEET NAME: E3-GEN-KEY - 001

SHEET 2 OF 50

Jul, 21 2015 06:24 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\GENERAL\E3-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 3
GENERAL
LEGEND AND ABBREVIATIONS

DISCIPLINE: GENERAL

SHEET NAME: E3-GEN-NTS - 001

SHEET 3 OF 50

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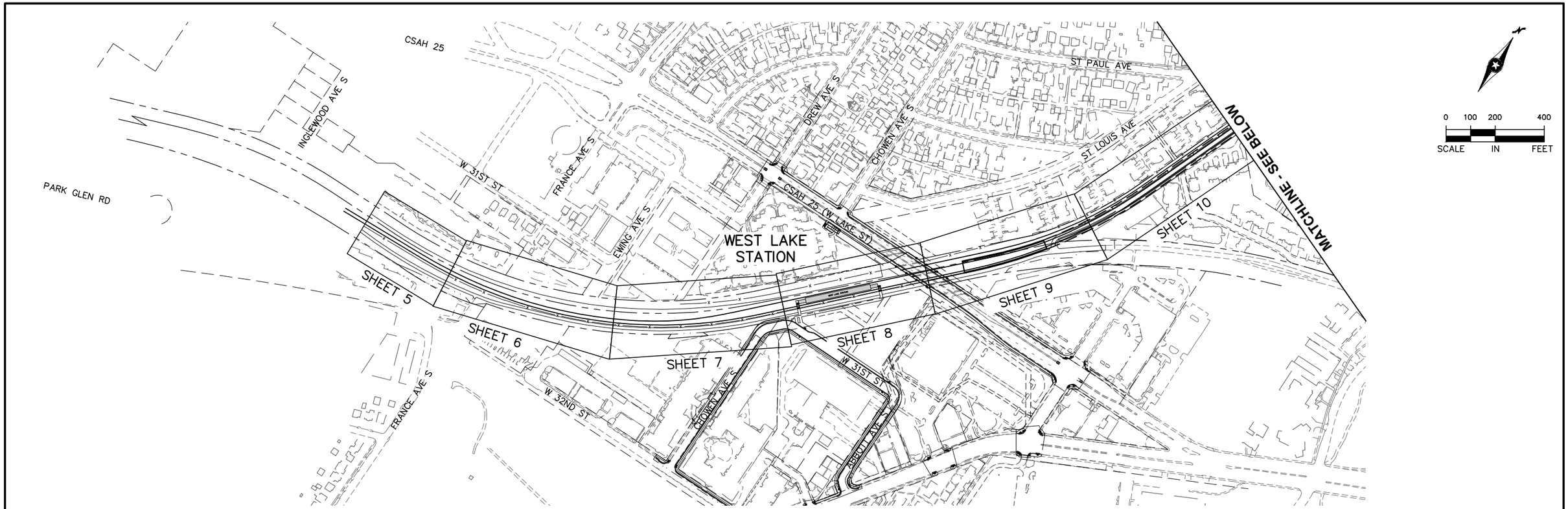

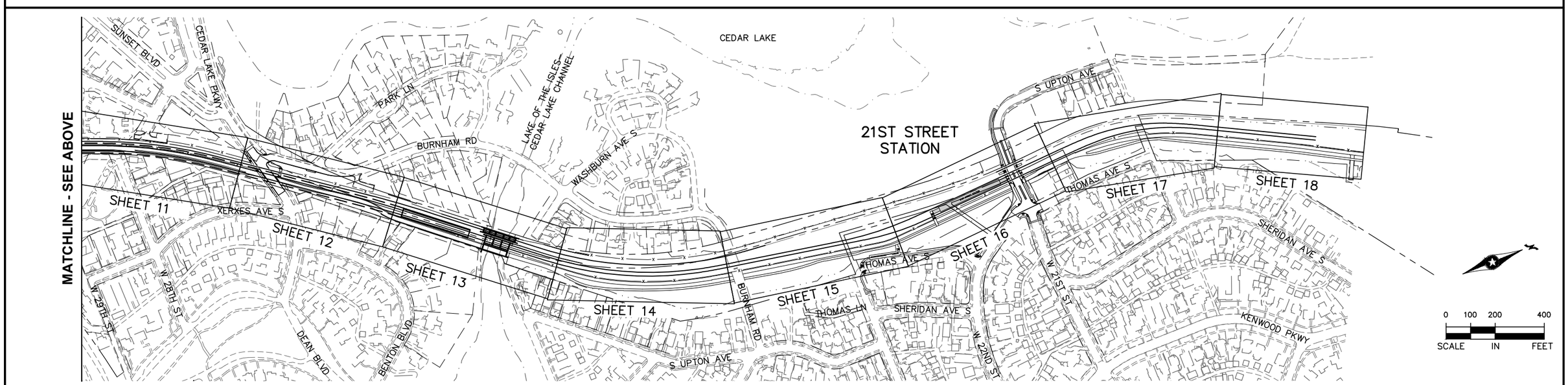

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
SHEET LAYOUT INDEX

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-IDX - 001

SHEET 4 OF 50

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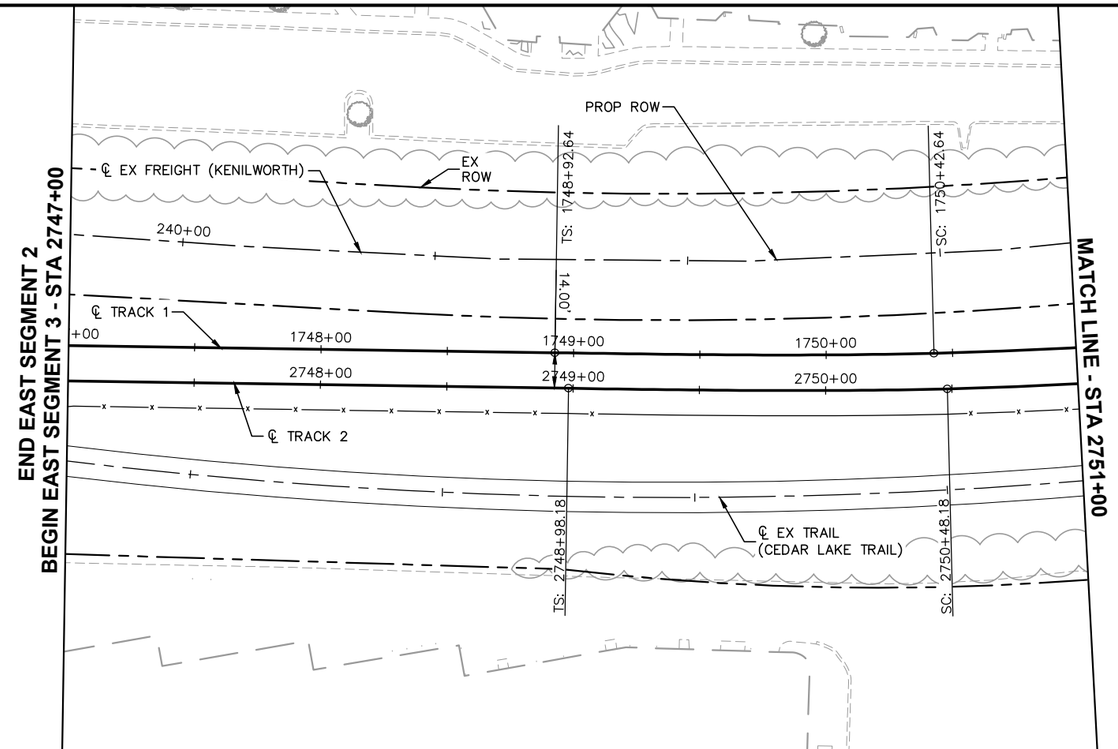

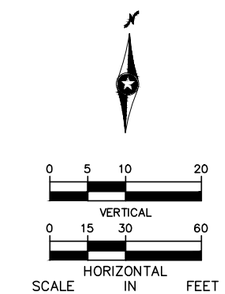

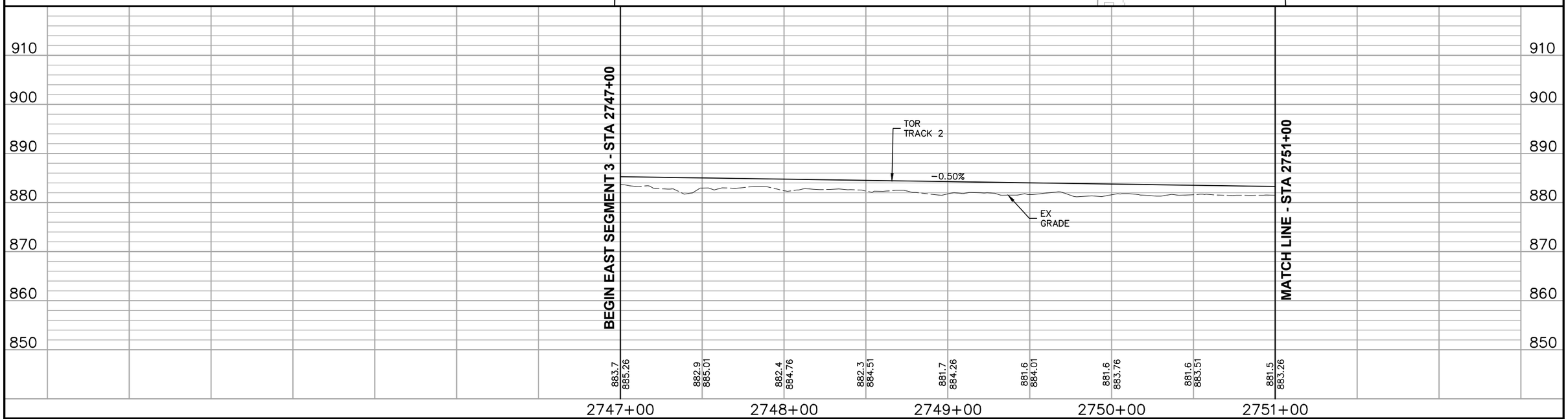

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2747+00 TO STA 2751+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 001

SHEET 5 OF 50

Jul, 21 2015 04:55 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-RaboodV

CURVE NO. E3-201
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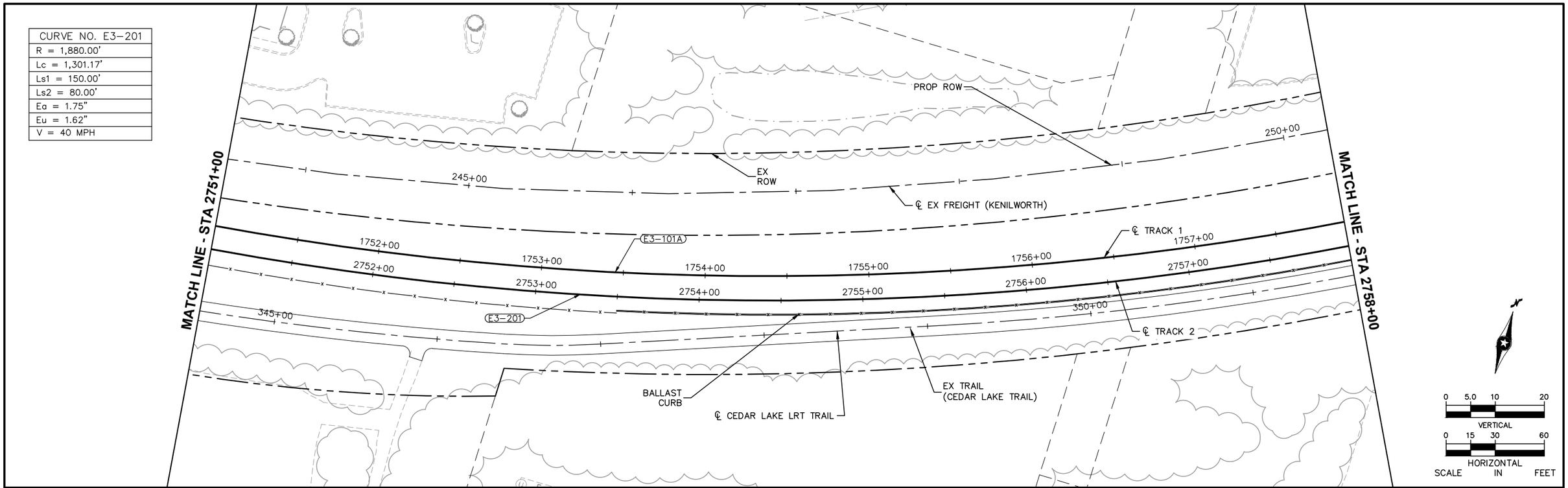
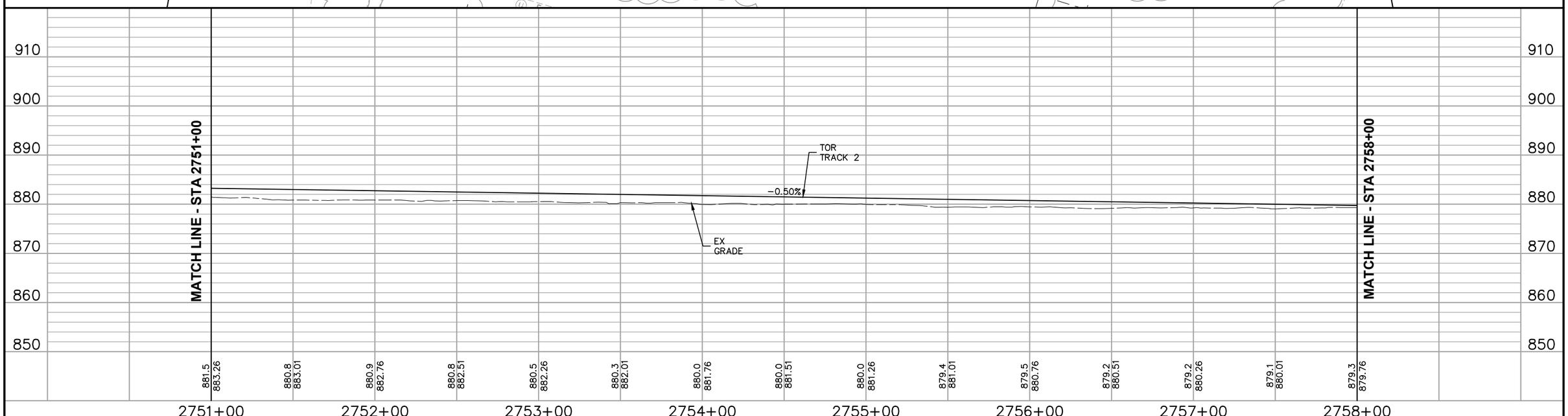
Eu = 1.62"
V = 40 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2751+00 TO STA 2758+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 002

SHEET 6 OF 50

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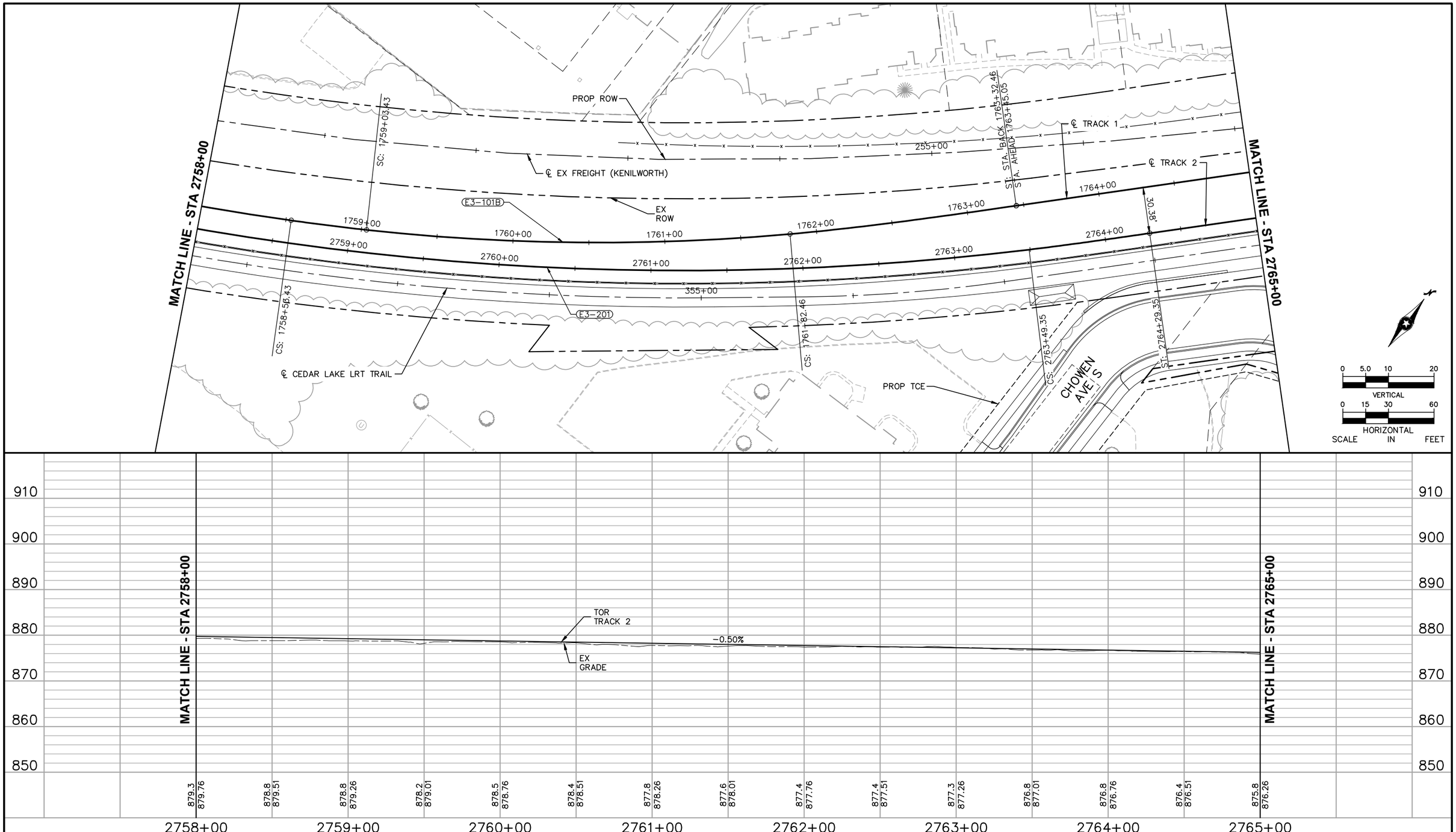

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2758+00 TO STA 2765+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 003

SHEET 7 OF 50

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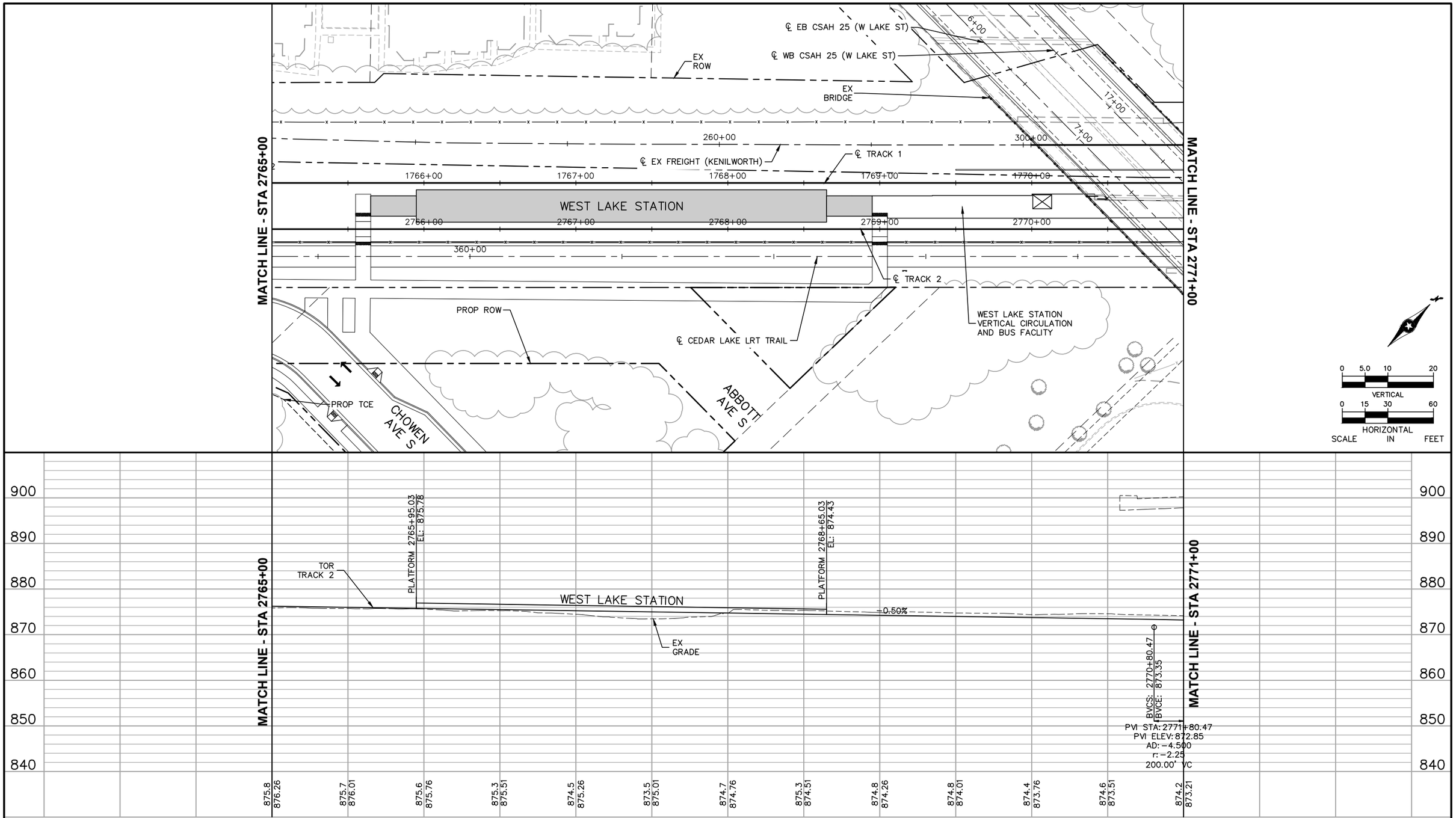

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2765+00 TO STA 2771+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 004

SHEET 8 OF 50

Jul, 21 2015 04:58 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-RaboodV

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Eu = 2.09"
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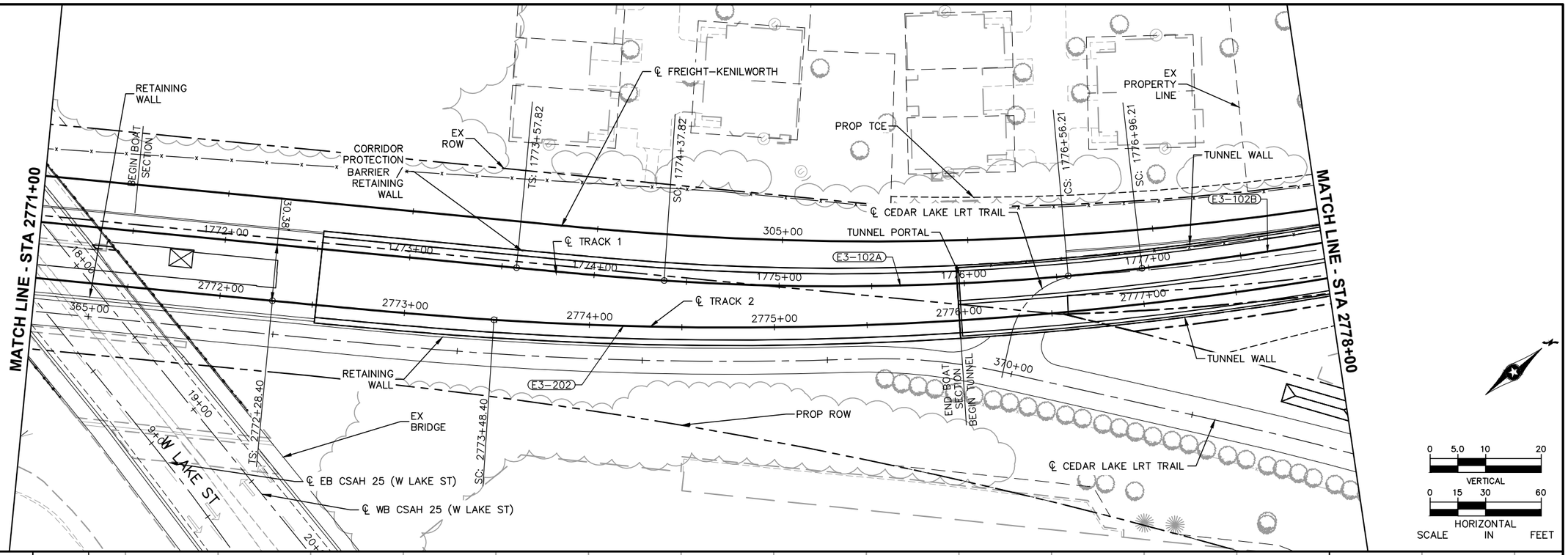

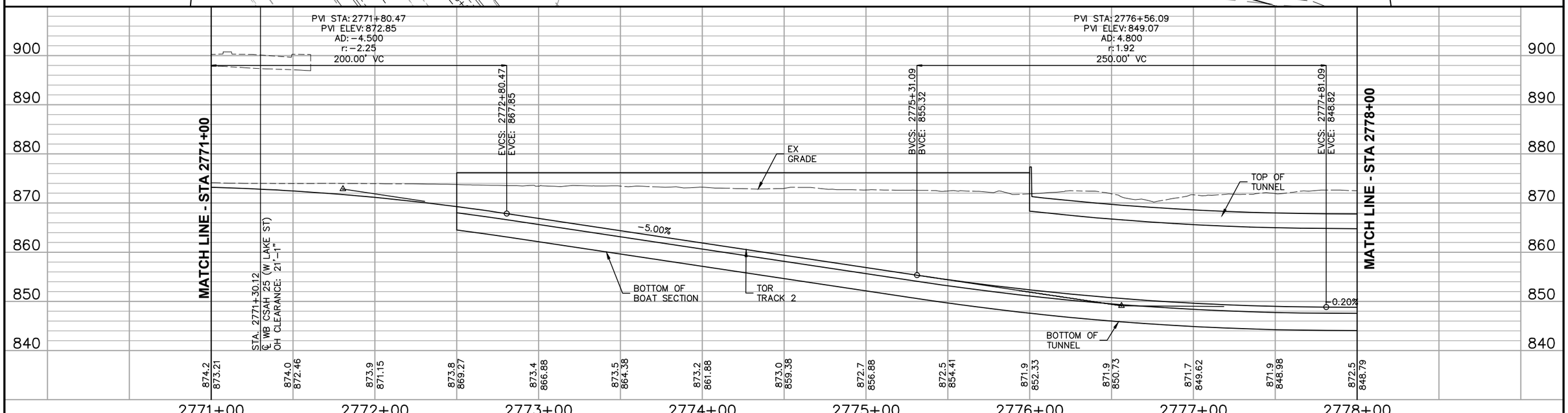

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2771+00 TO STA 2778+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 005

SHEET 9 OF 50

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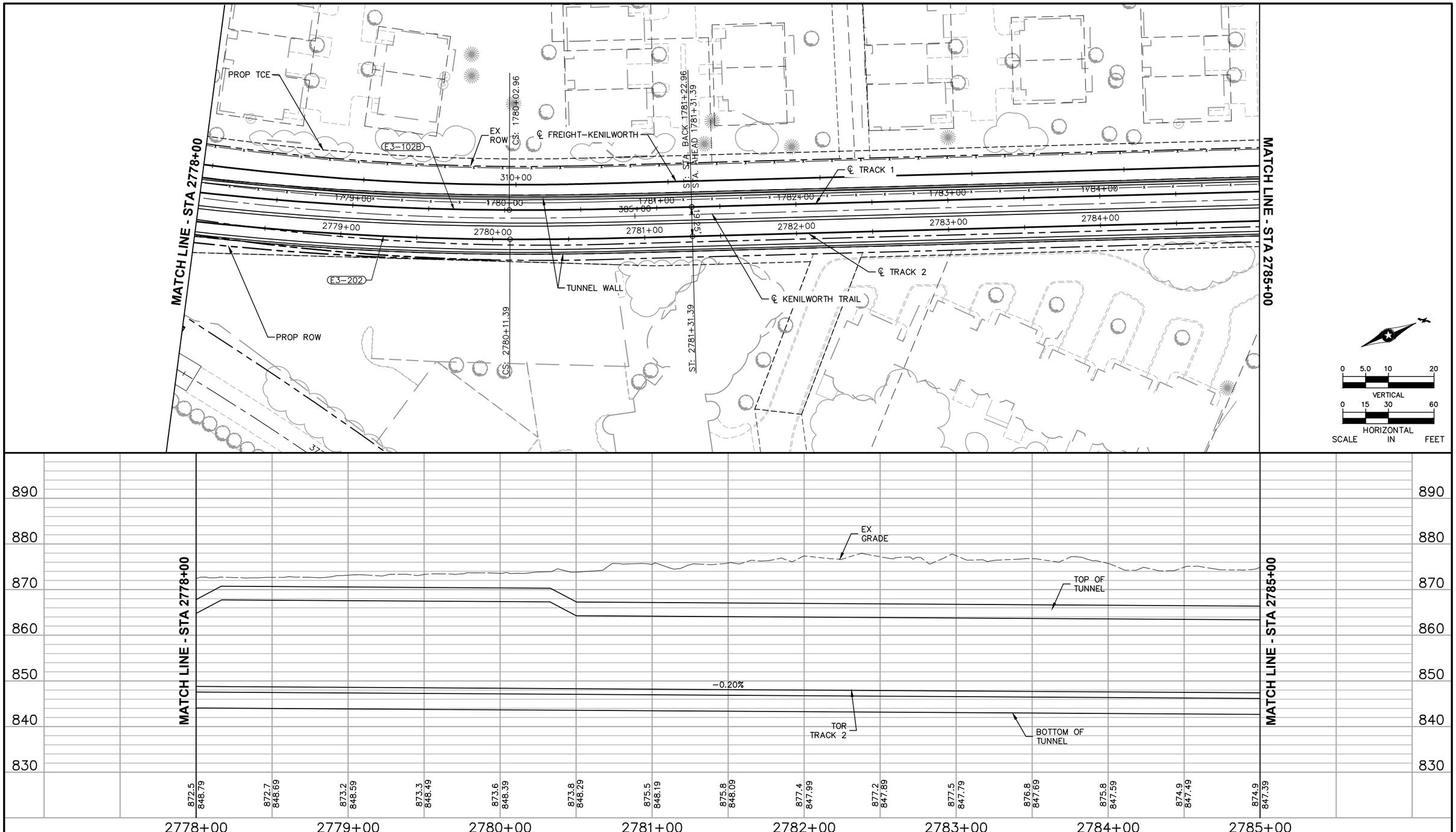

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2778+00 TO STA 2785+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 006

SHEET 10 OF 50

Jul, 21 2015 04:59 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-RaboodV

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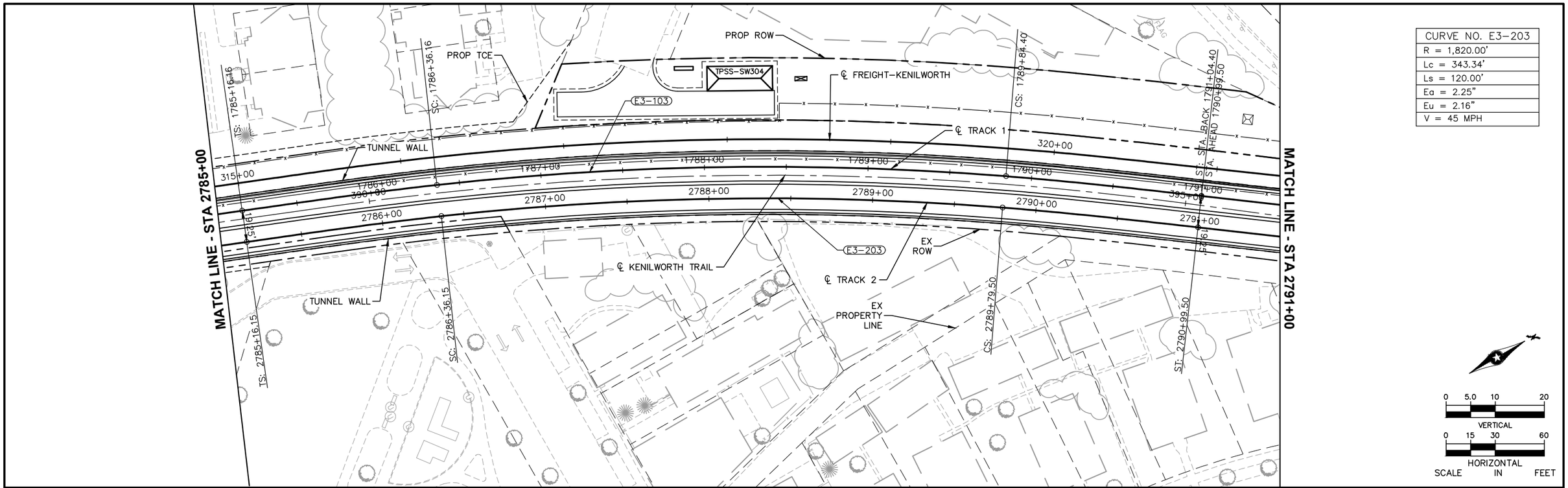

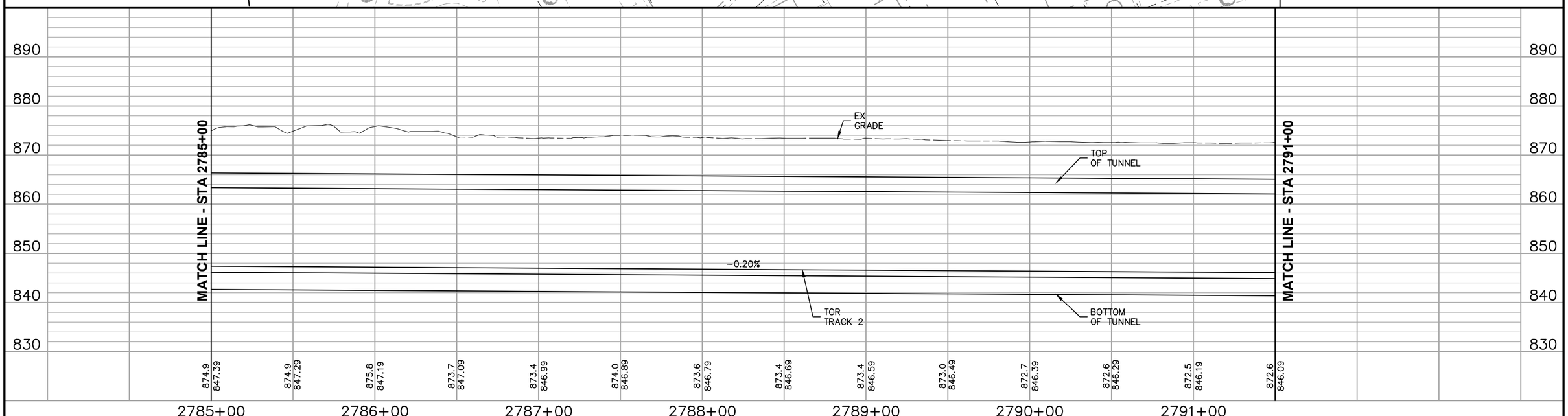

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2785+00 TO STA 2791+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 007

SHEET 11 OF 50

Jul, 21 2015 05:00 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-RaboodV

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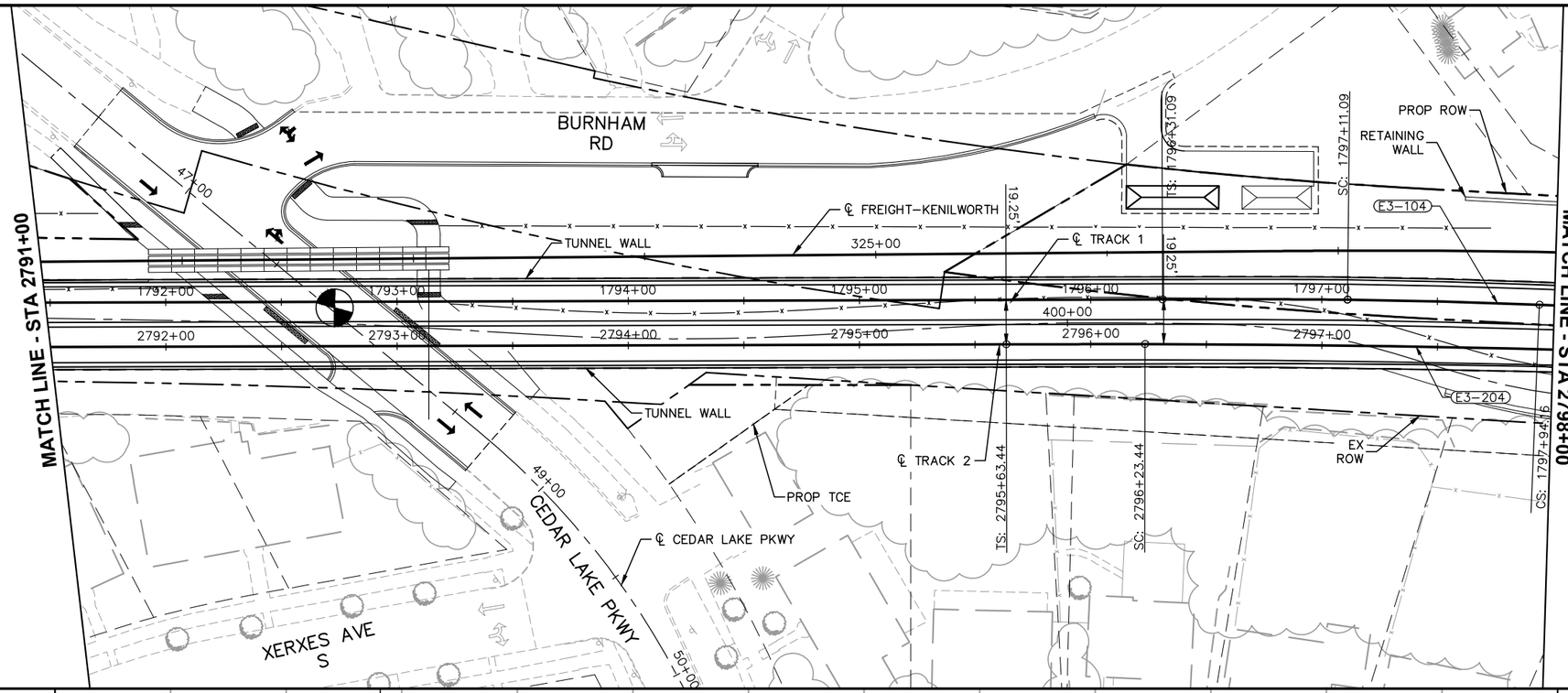

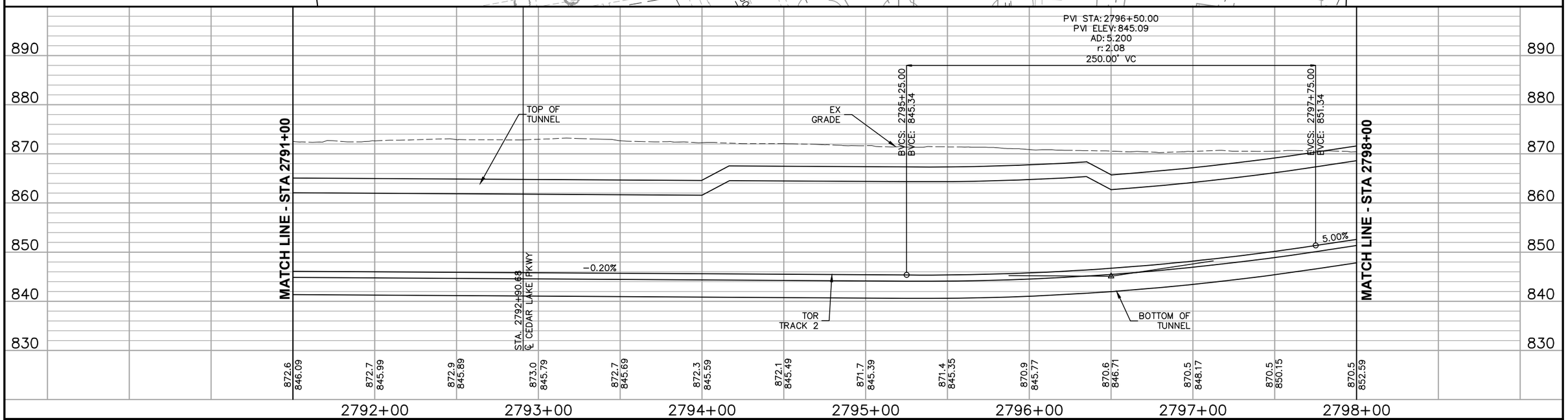

VERTICAL: 0 5.0 10 20

HORIZONTAL: 0 15 30 60

SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2791+00 TO STA 2798+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 008

SHEET 12 OF 50

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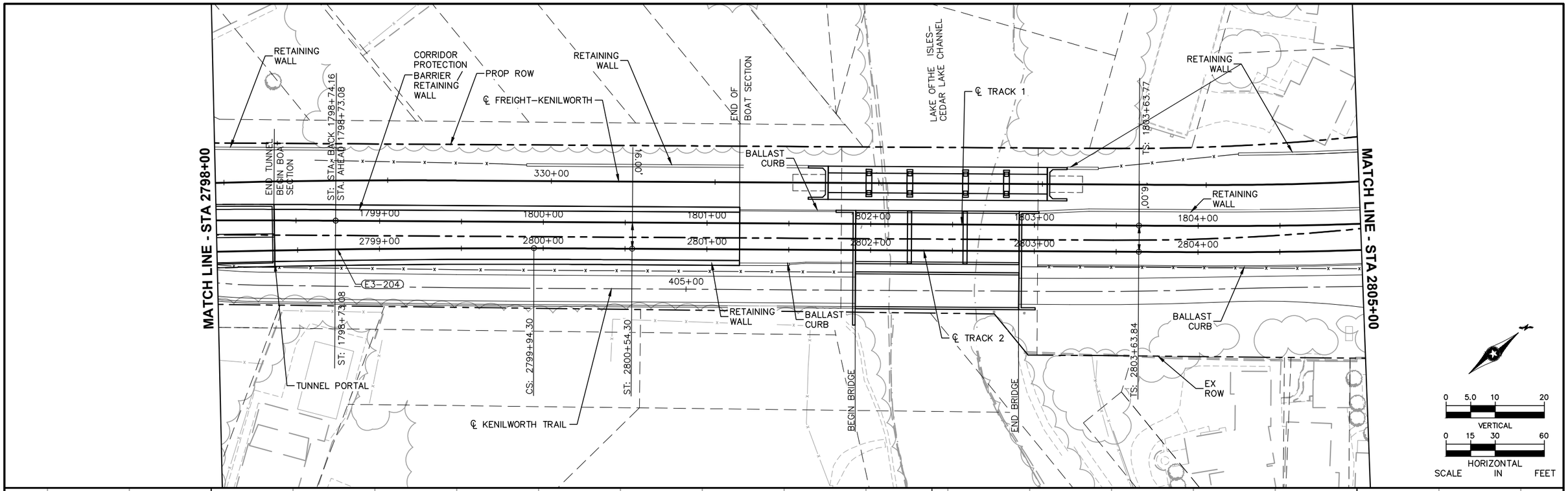

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2798+00 TO STA 2805+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 009

SHEET 13 OF 50

Jul, 21 2015 05:02 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-RaboodV

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Eu = 2.69"
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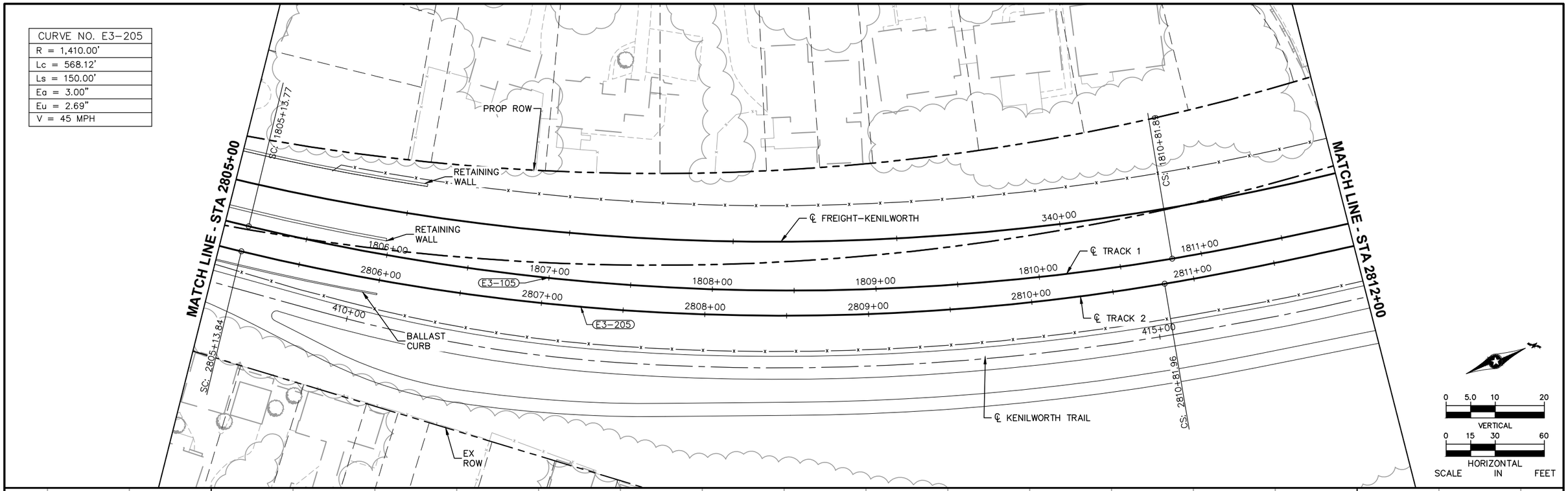
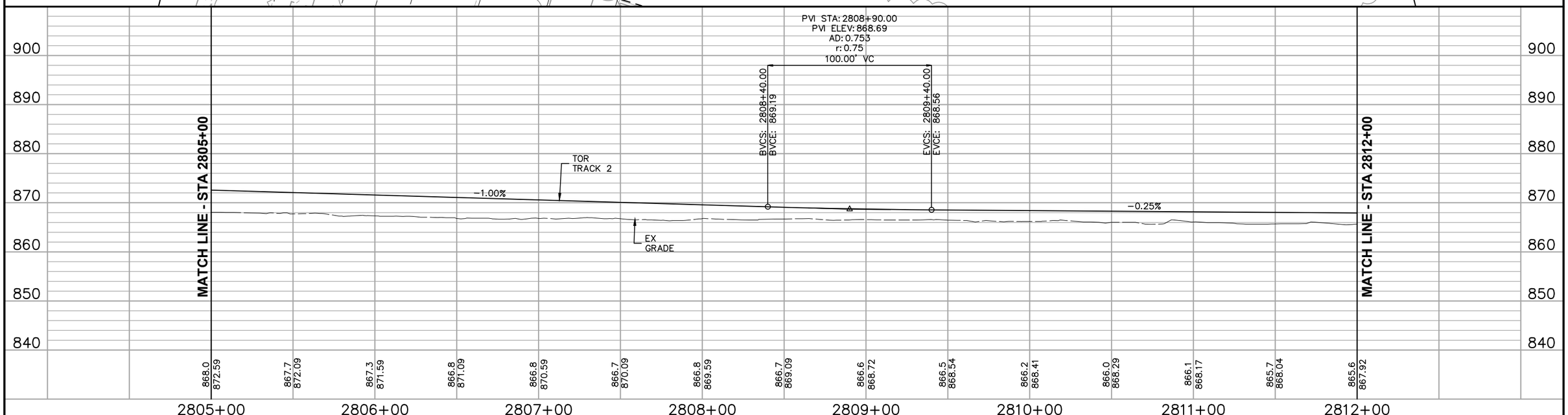




NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2805+00 TO STA 2812+00

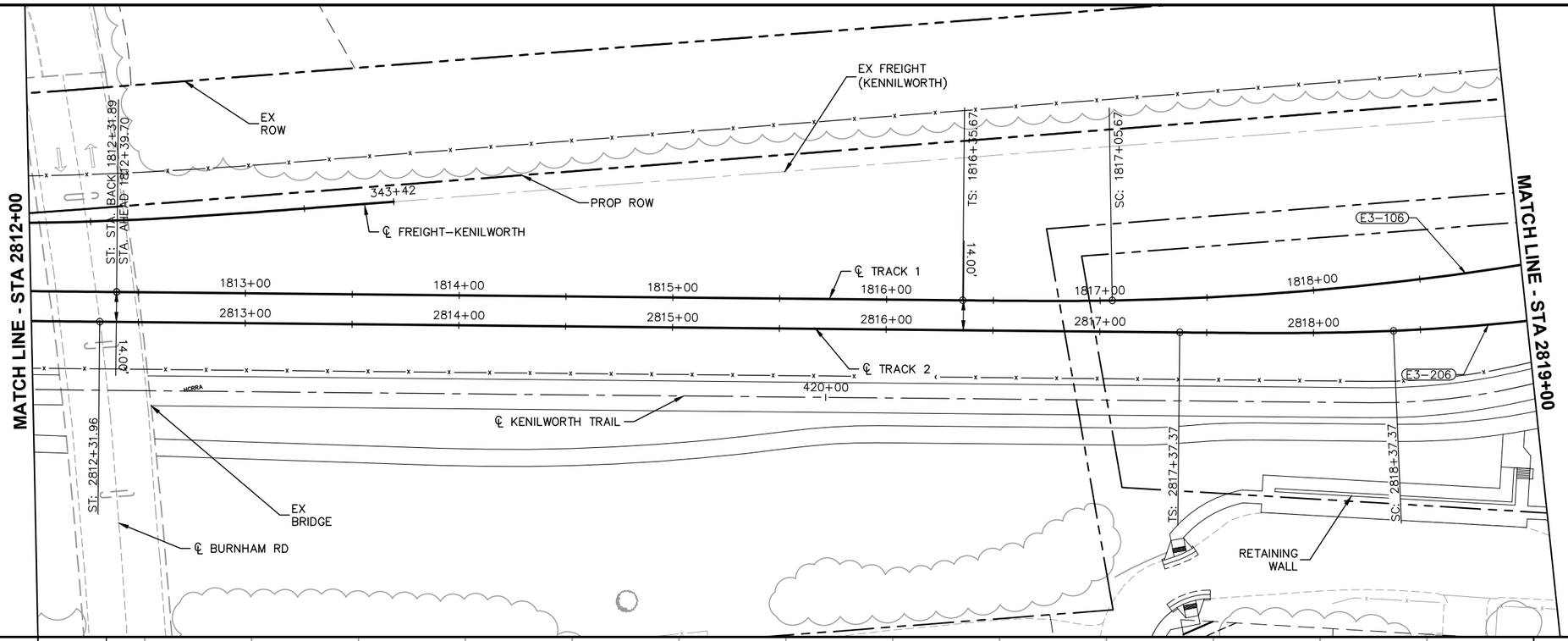
DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 010

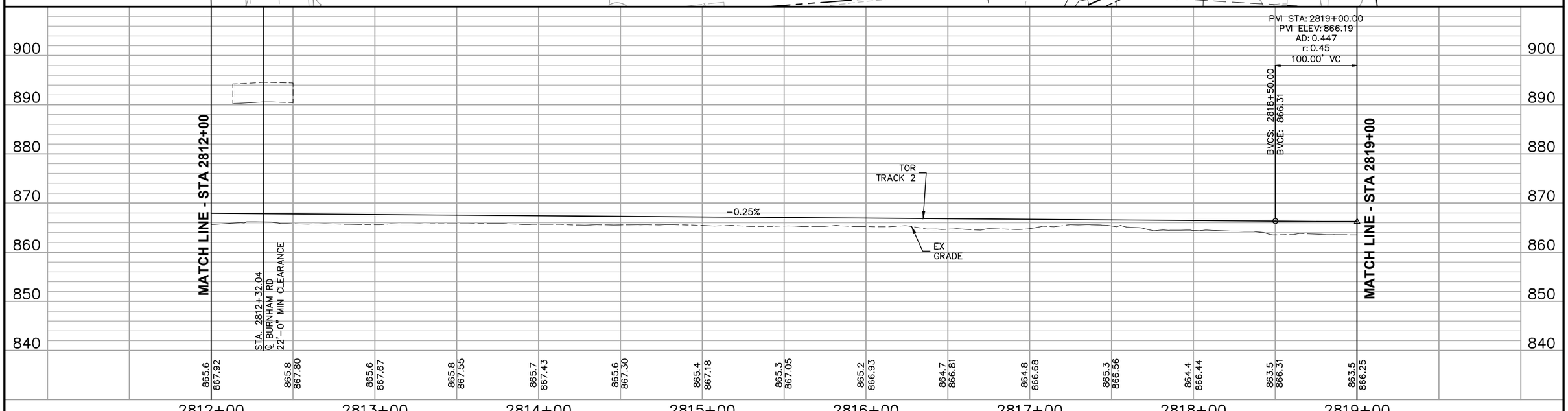
SHEET 14 OF 50

Jul, 21 2015 05:03 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-RaboodV

CURVE NO. E3-206
R = 980.00'
Lc = 131.41'
Ls = 100.00'
Ea = 2.50"
Eu = 2.45"
V = 35 MPH



0 5.0 10 20
VERTICAL
0 15 30 60
HORIZONTAL
SCALE IN FEET



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

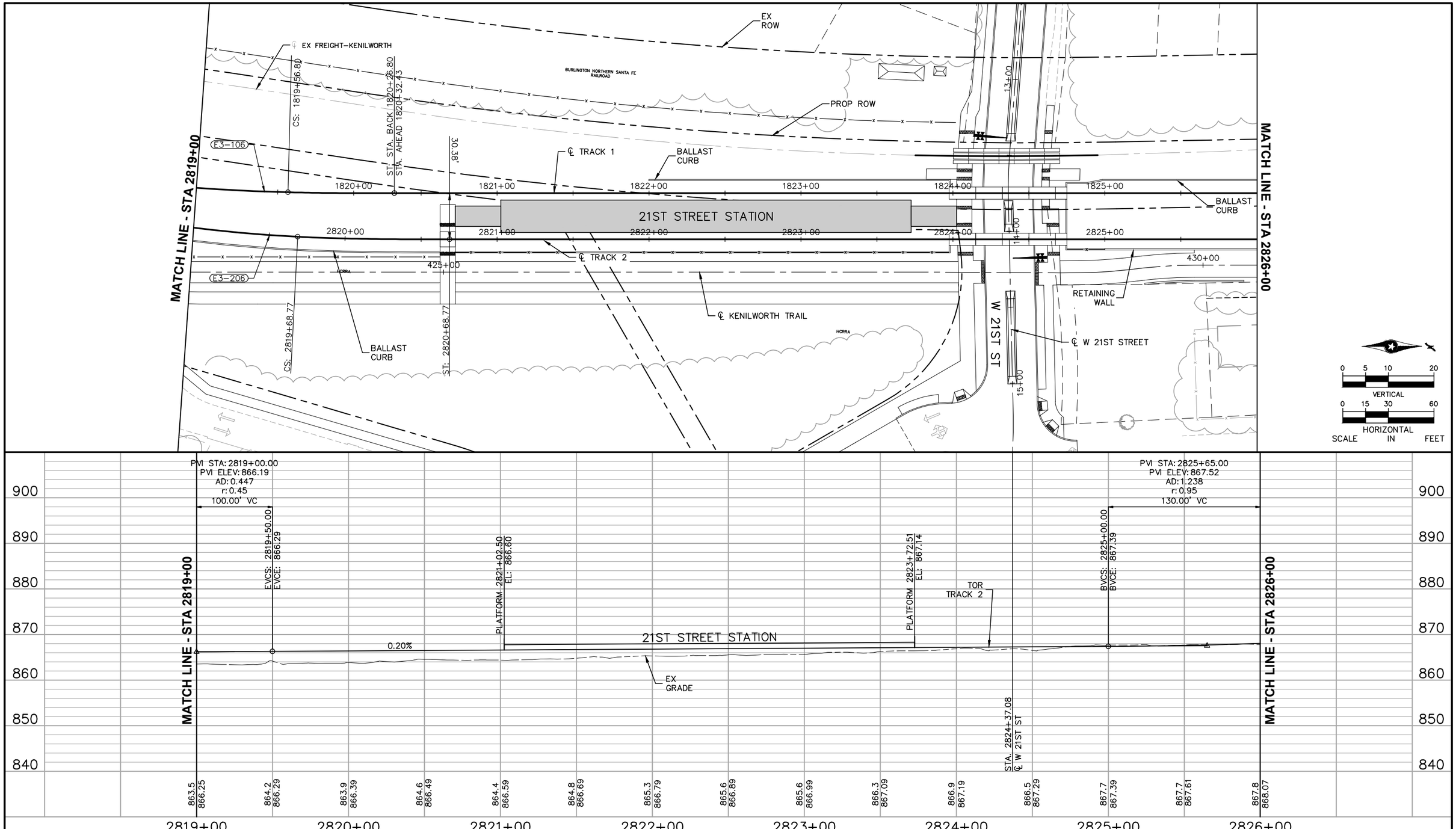
EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2812+00 TO STA 2819+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 011

SHEET 15 OF 50

Jul, 21 2015 05:04 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-RaboodV



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2819+00 TO STA 2826+00

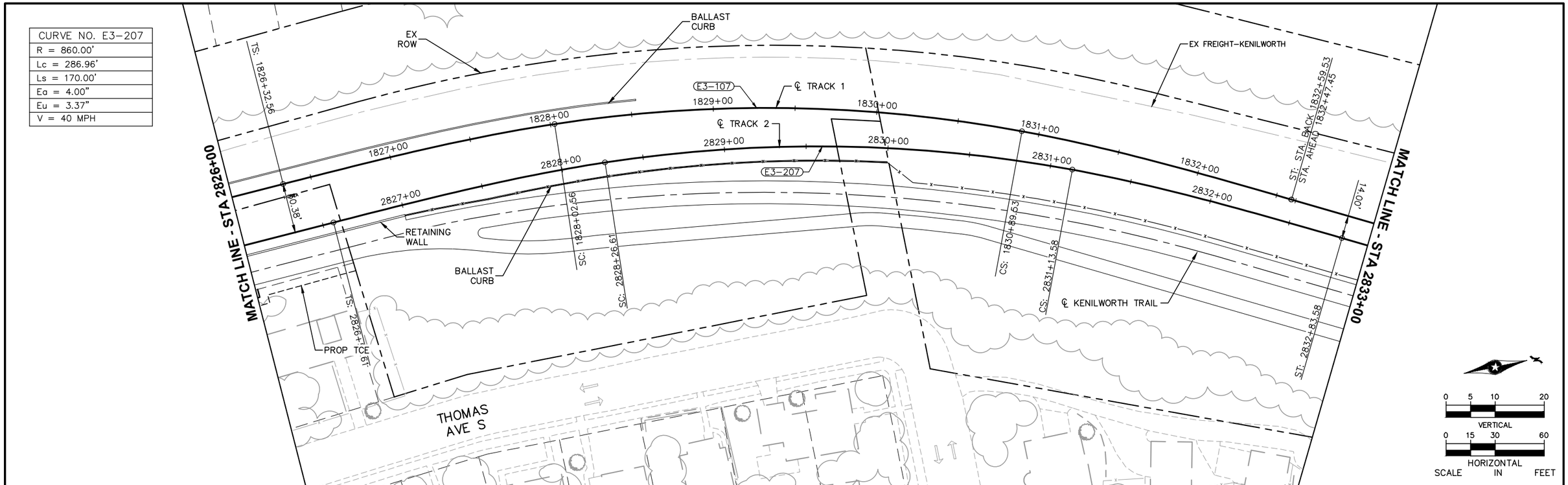
DISCIPLINE: TRACK

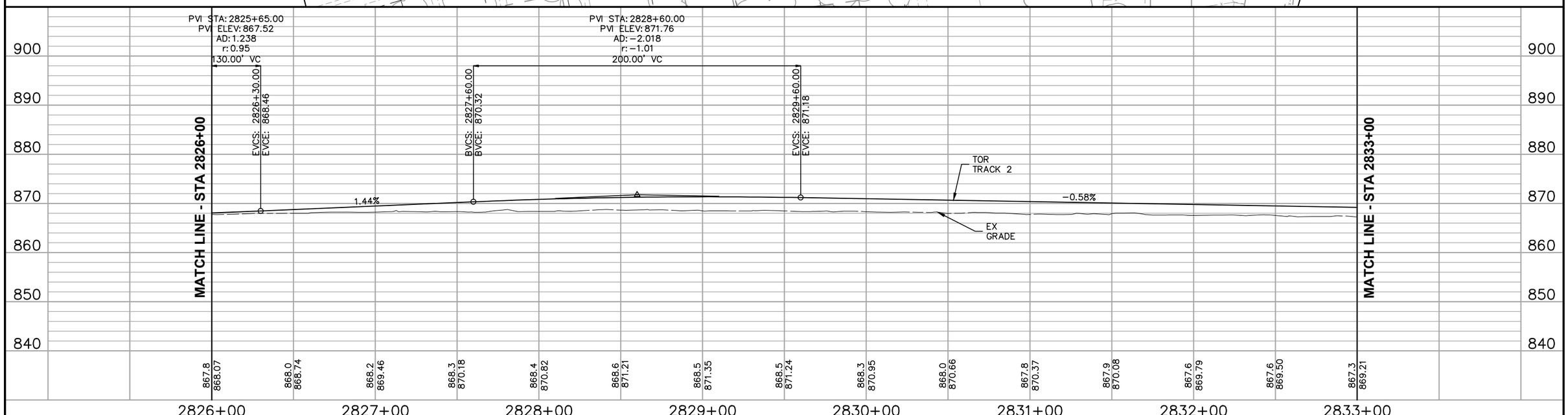
SHEET NAME: E3-TRK-PRF - 012

SHEET 16 OF 50

Jul. 21 2015 05:49 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: MourisBM

CURVE NO. E3-207
R = 860.00'
Lc = 286.96'
Ls = 170.00'
Eq = 4.00"
Eu = 3.37"
V = 40 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

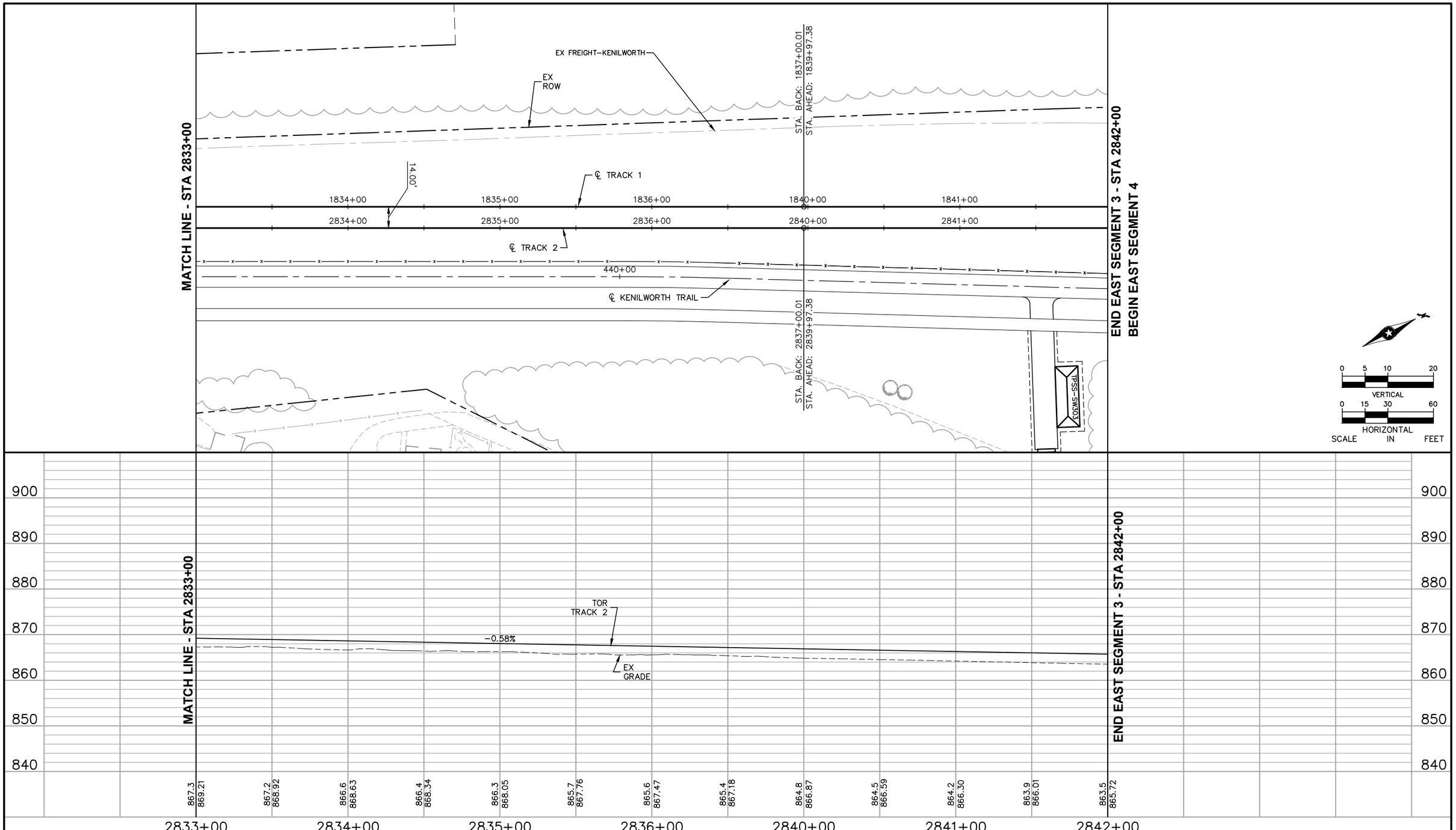
EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2826+00 TO STA 2833+00

DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 013

SHEET 17 OF 50

Jul. 21 2015 05:50 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: MourisBM



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

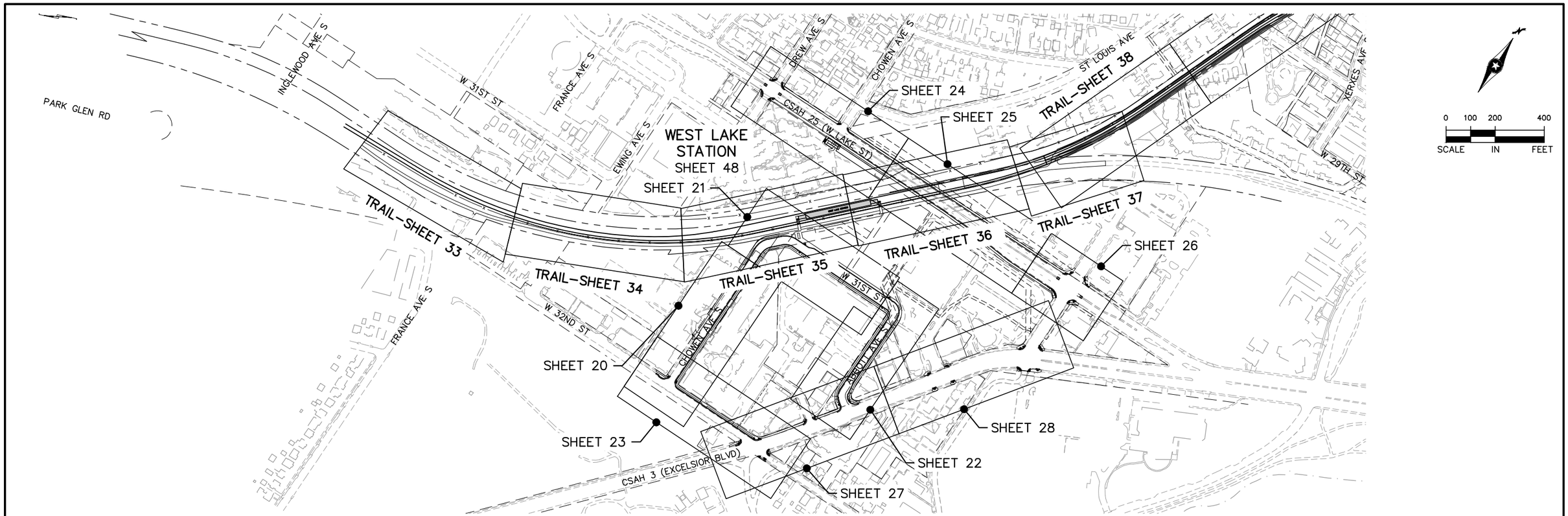
EAST SEGMENT 3
TRACK
PLAN AND PROFILE
STA 2833+00 TO STA 2842+00

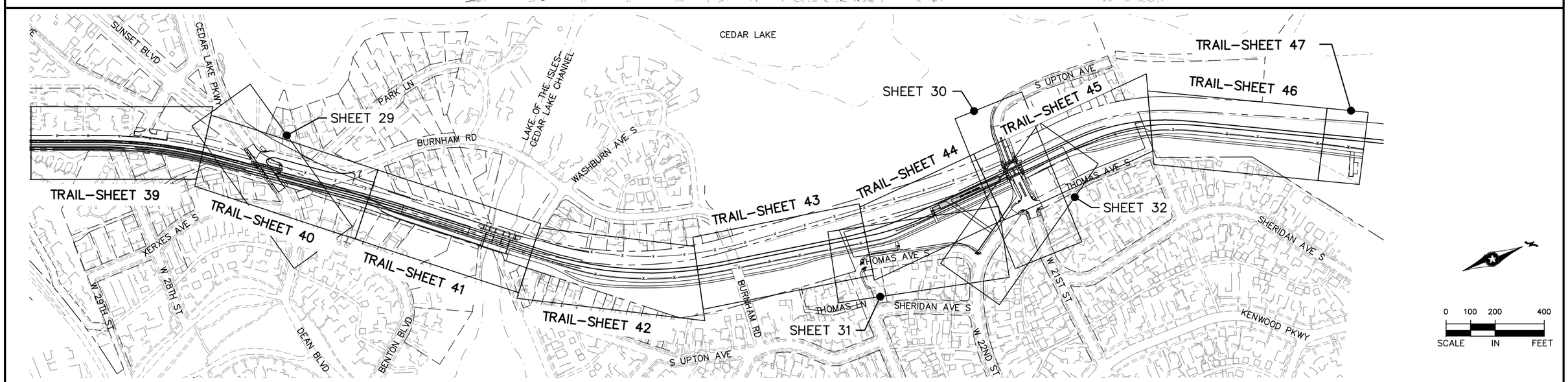
DISCIPLINE: TRACK

SHEET NAME: E3-TRK-PRF - 014

SHEET 18 OF 50

Jul, 21 2015 05:06 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\TRACK\E3-TRK-PRF.dwg By: V-Raboody





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

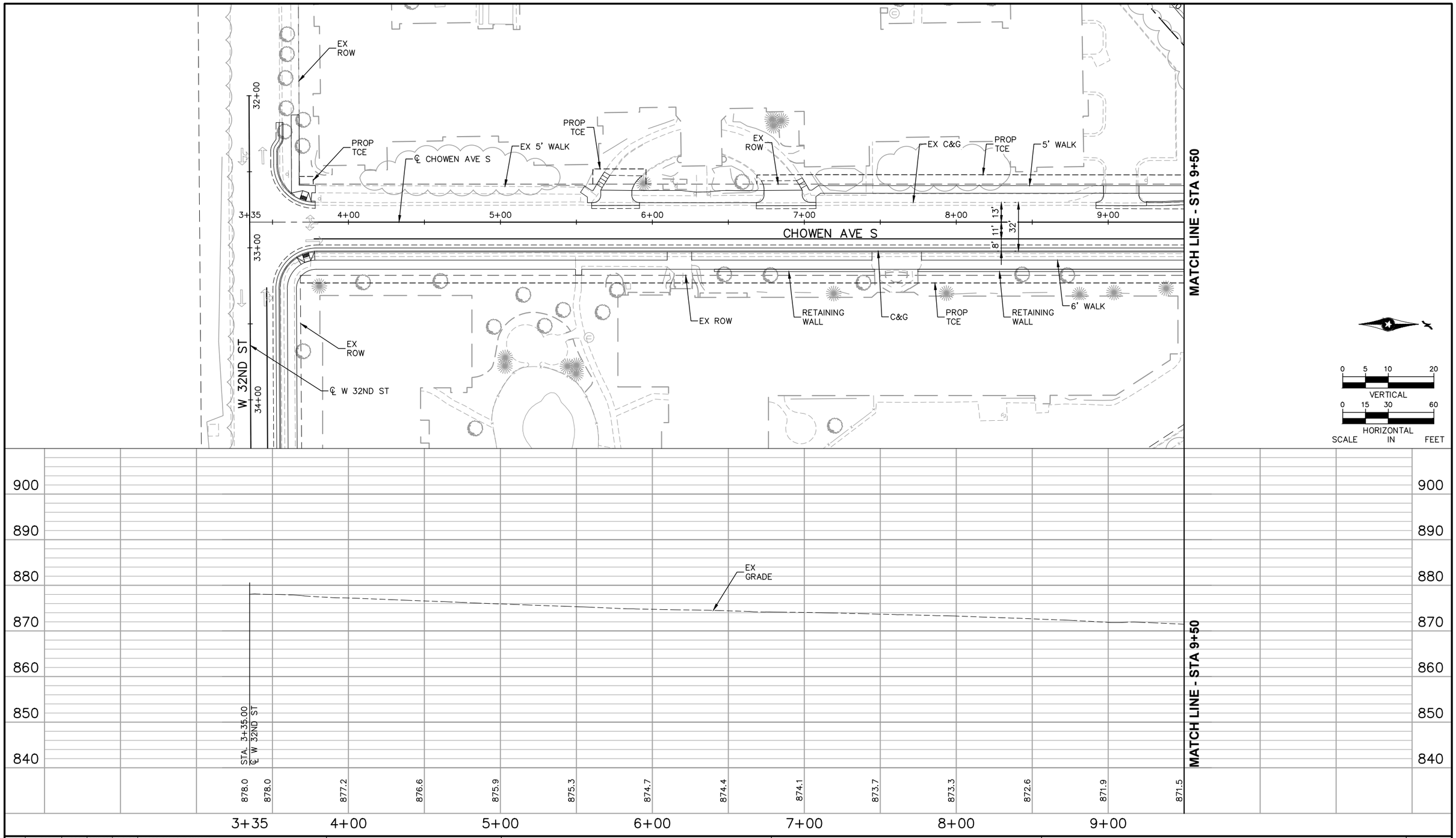
EAST SEGMENT 3
CIVIL
SHEET LAYOUT INDEX

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-IDX - 001

SHEET 19 OF 50

Jul, 21 2015 06:27 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-IDX.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

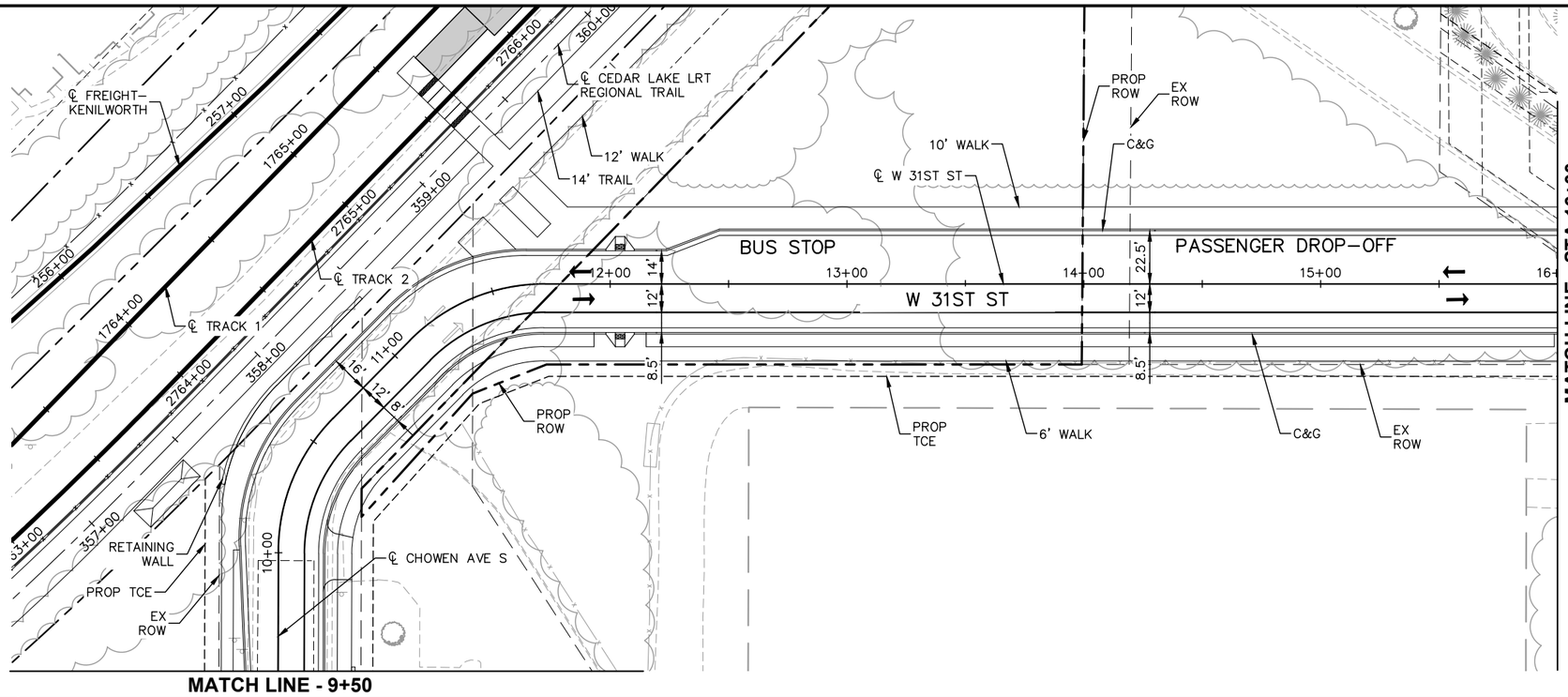
EAST SEGMENT 3
CHOWEN AVE S
PLAN AND PROFILE
STA. 3+35 TO STA. 9+50

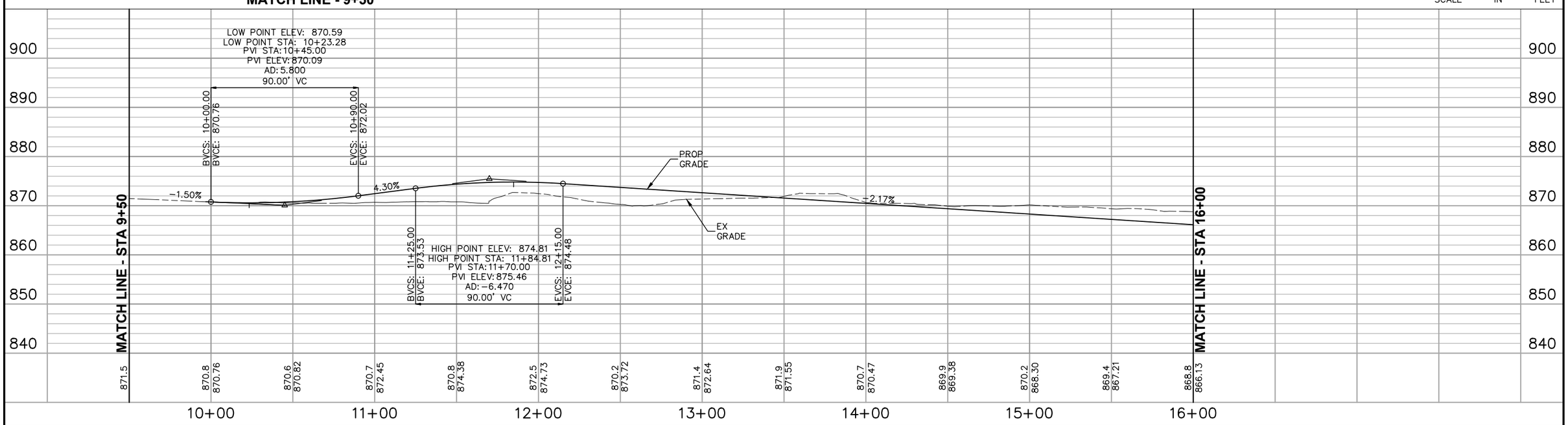
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-001

SHEET 20 OF 50

Jul, 21 2015 08:51 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-CIV-PRF.dwg By: jason.fenner





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

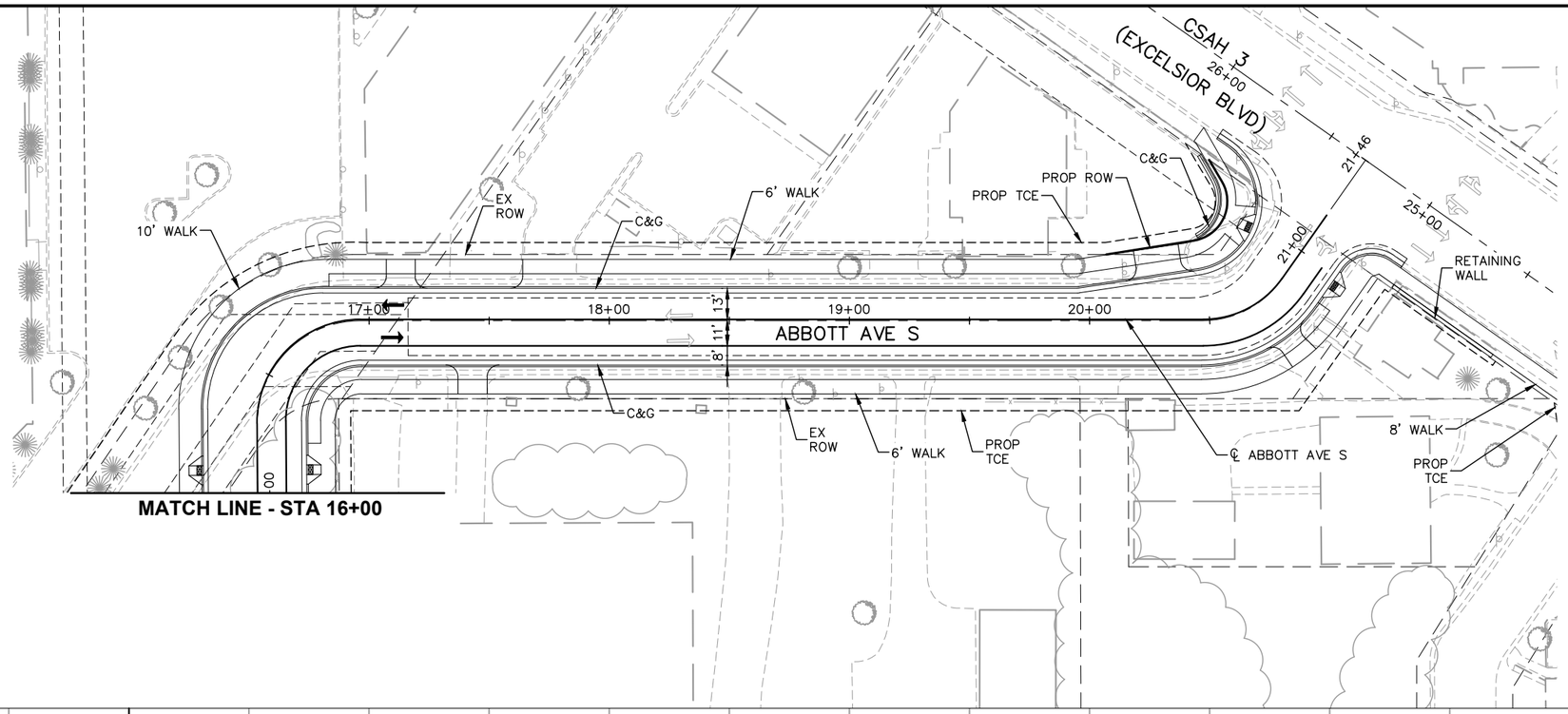
EAST SEGMENT 3
CHOWEN AVE S / W 31ST ST
PLAN AND PROFILE
STA. 9+50 TO STA. 16+00

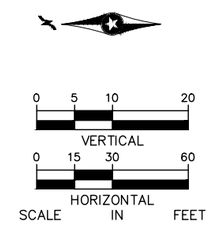
DISCIPLINE: CIVIL

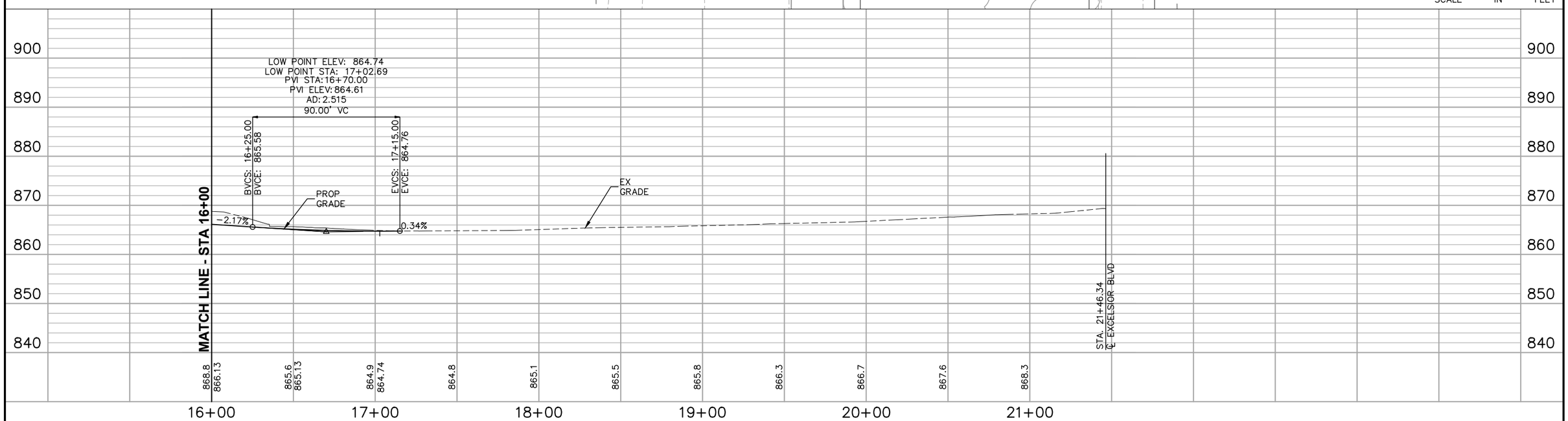
SHEET NAME: E3-CIV-PRF-002

SHEET 21 OF 50

Jul, 21 2015 08:52 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

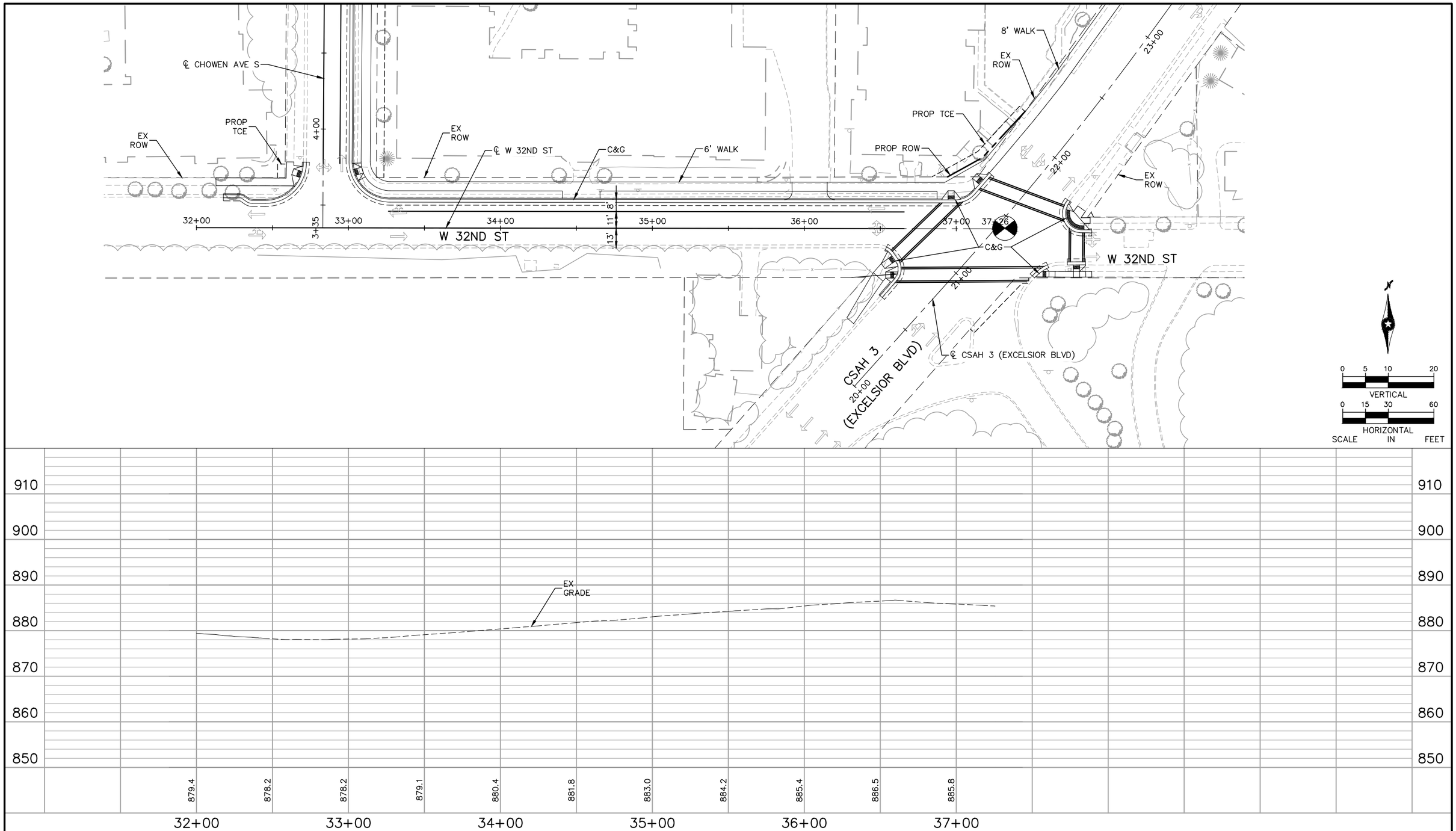
EAST SEGMENT 3
ABBOTT AVE S
PLAN AND PROFILE
STA. 16+00 TO STA. 21+46

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-003

SHEET 22 OF 50

Jul, 21 2015 08:52 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

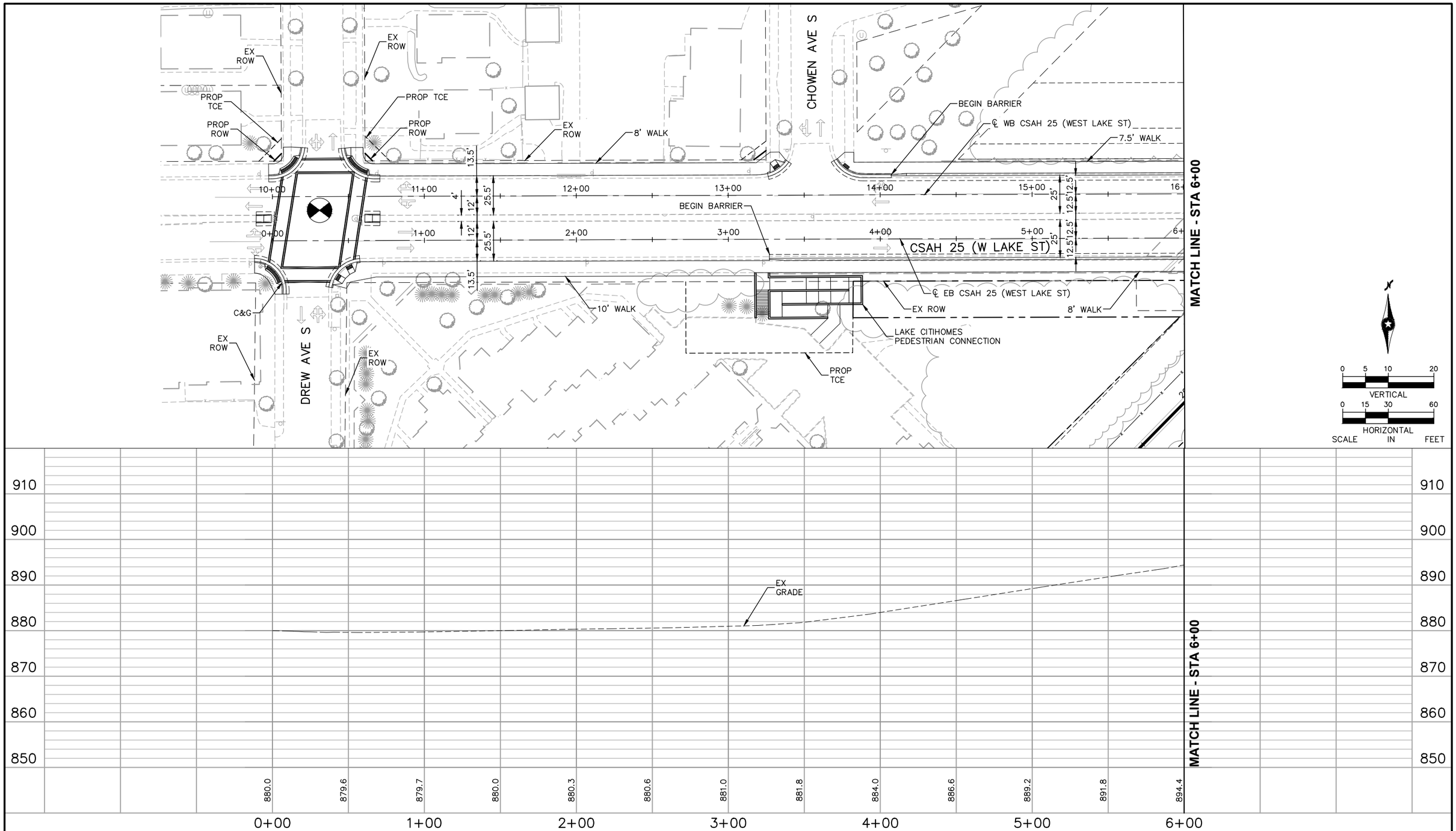
EAST SEGMENT 3
W 32ND ST
PLAN AND PROFILE
STA. 32+00 TO STA. 37+26

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-004

SHEET 23 OF 50

Jul, 21 2015 08:53 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

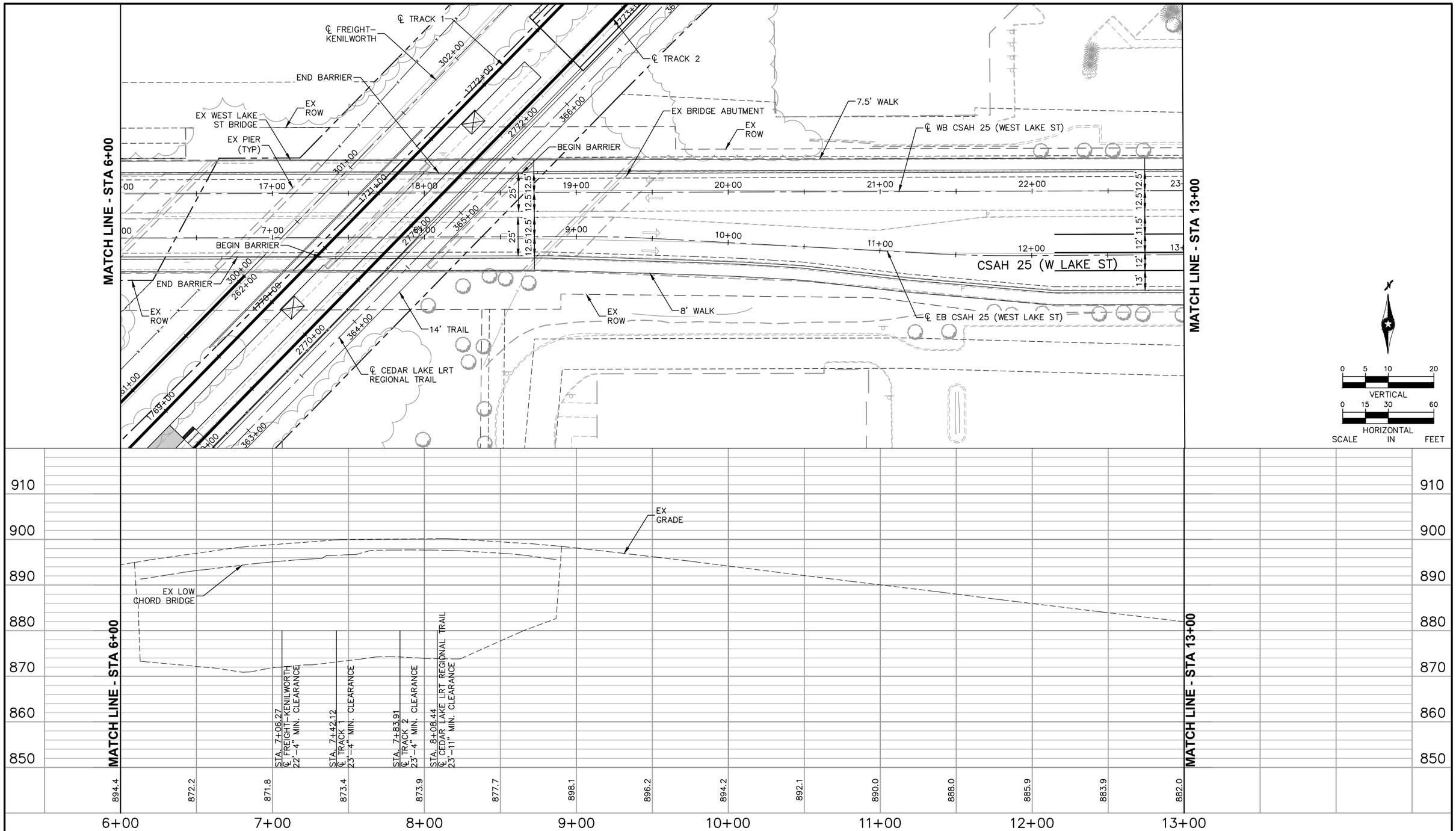
EAST SEGMENT 3
CSAH 25 (W LAKE ST)
PLAN AND PROFILE
STA. 0+00 TO STA. 6+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-005

SHEET 24 OF 50

Jul, 21 2015 08:53 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

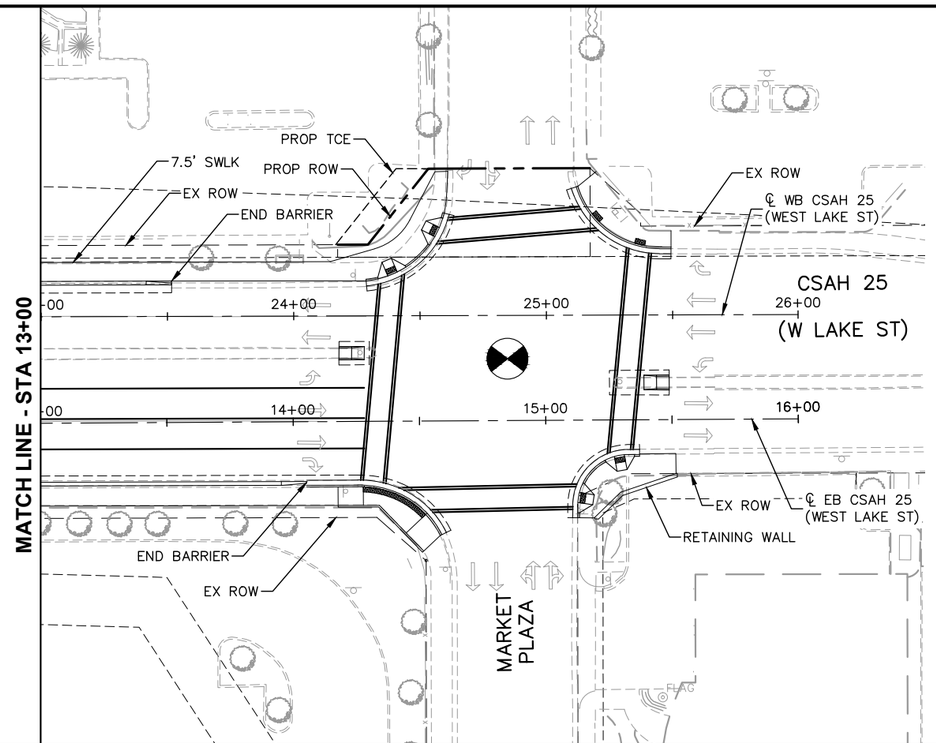
EAST SEGMENT 3
CSAH 25 (W LAKE ST)
PLAN AND PROFILE
STA. 6+00 TO STA. 13+00

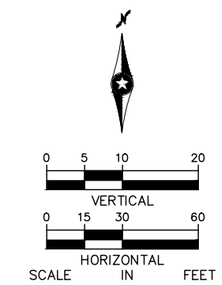
DISCIPLINE: CIVIL

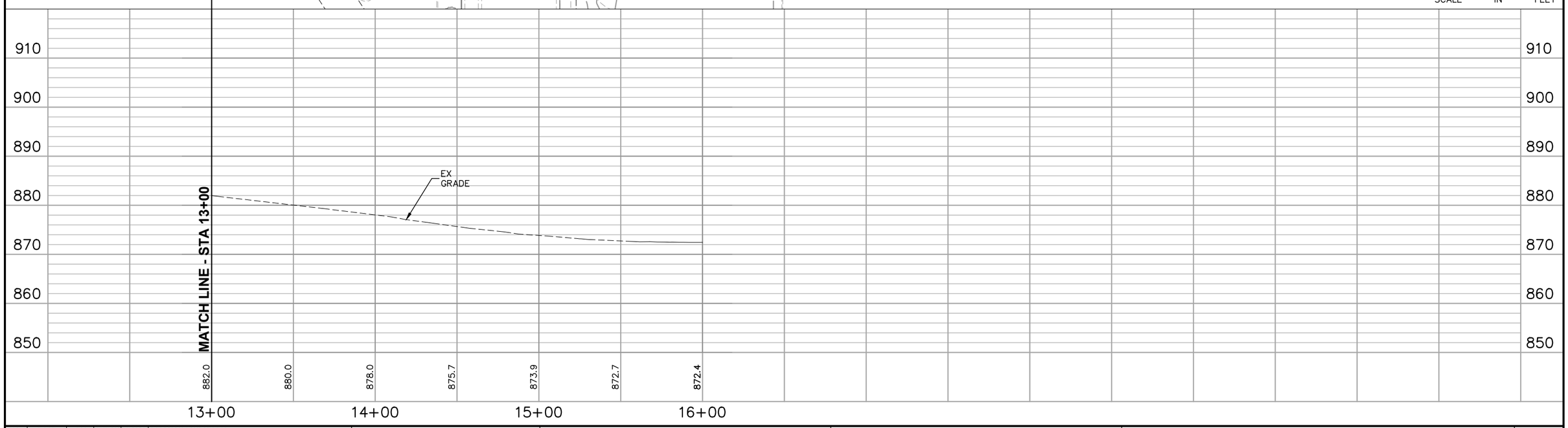
SHEET NAME: E3-CIV-PRF-006

SHEET 25 OF 50

Jul, 21 2015 12:54 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

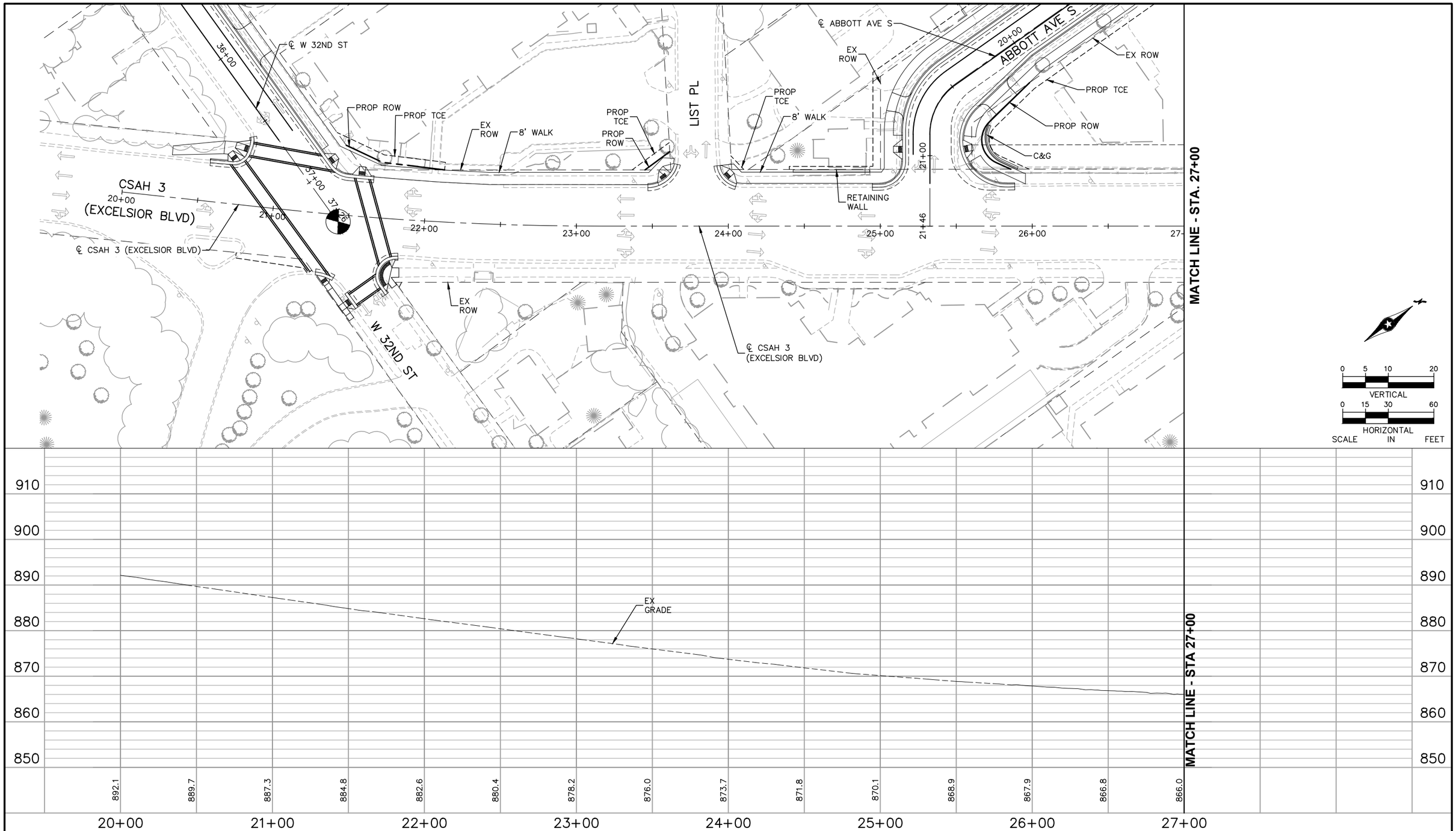
EAST SEGMENT 3
CSAH 25 (W LAKE ST)
PLAN AND PROFILE
STA. 13+00 TO STA. 16+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-007

SHEET 26 OF 50

Jul, 21 2015 08:54 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

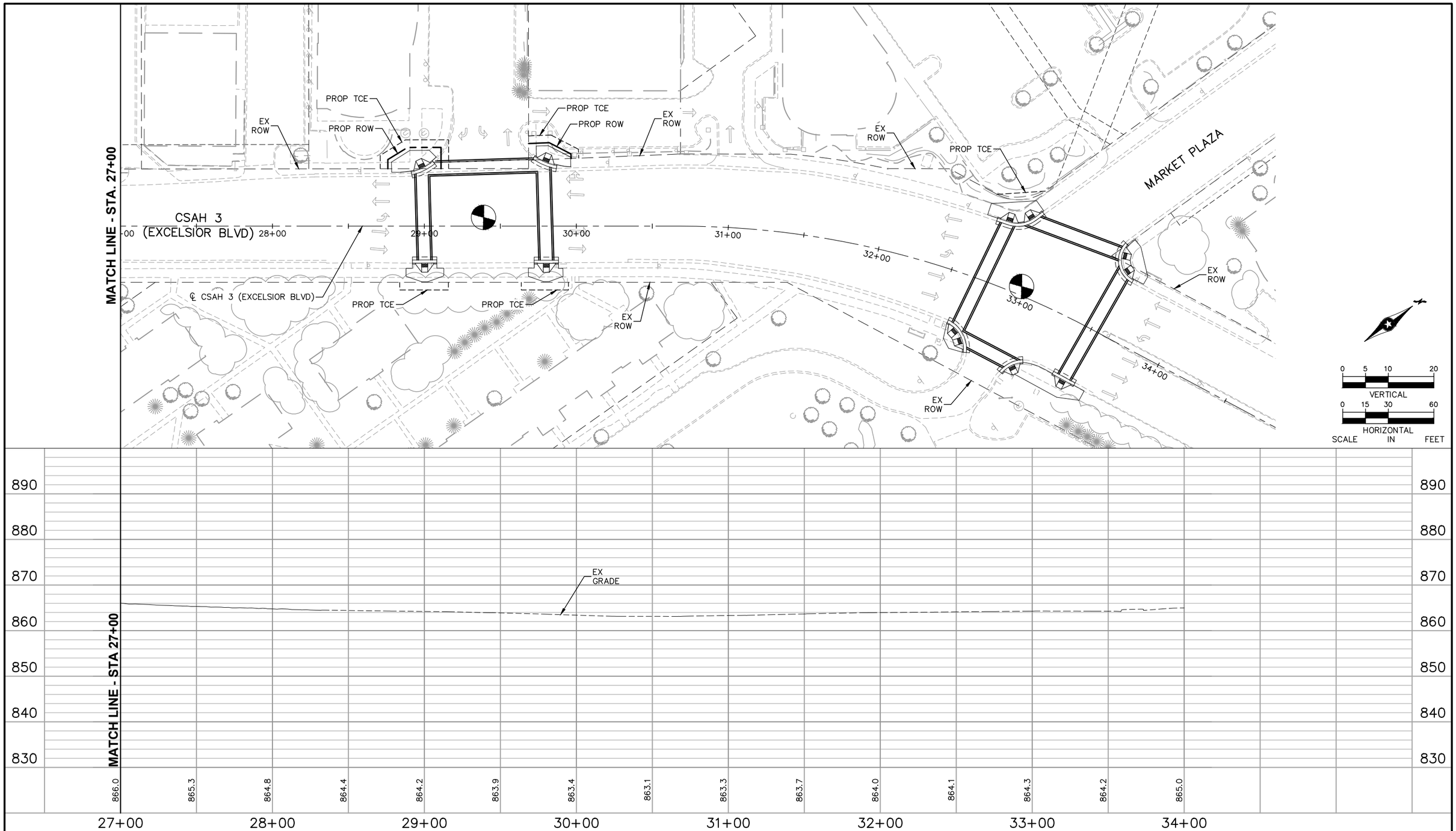
EAST SEGMENT 3
CSAH 3 (EXCELSIOR BLVD)
PLAN AND PROFILE
STA. 20+00 TO STA. 27+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-008

SHEET 27 OF 50

Jul, 21 2015 08:55 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

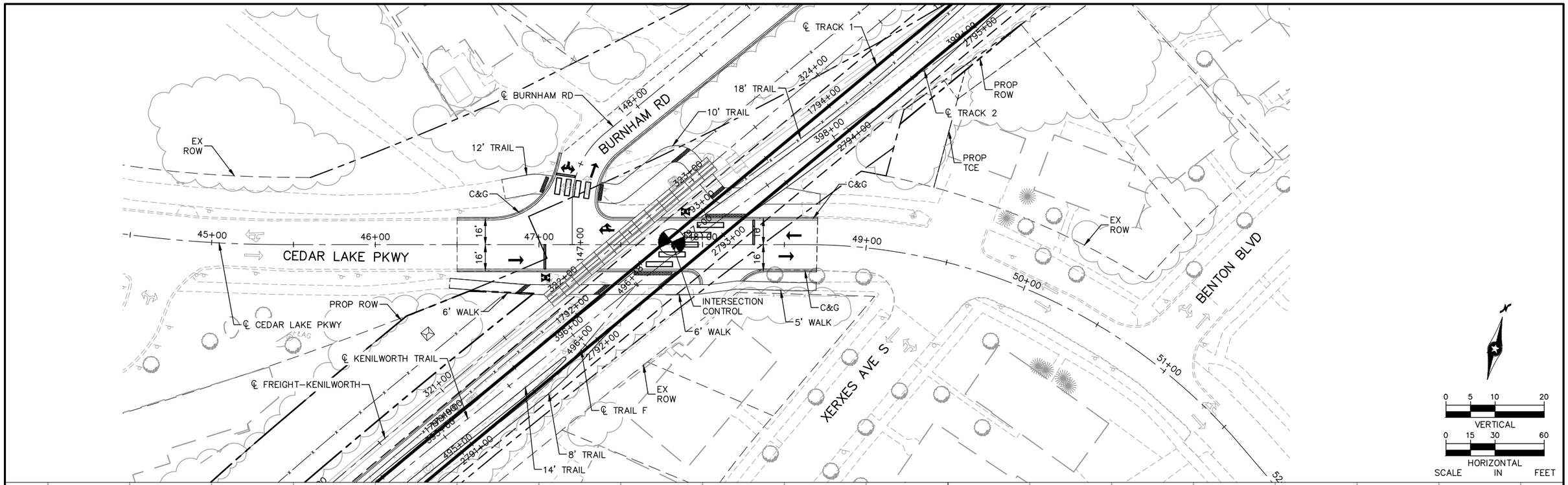
EAST SEGMENT 3
CSAH 3 (EXCELSIOR BLVD)
PLAN AND PROFILE
STA. 27+00 TO STA. 34+00

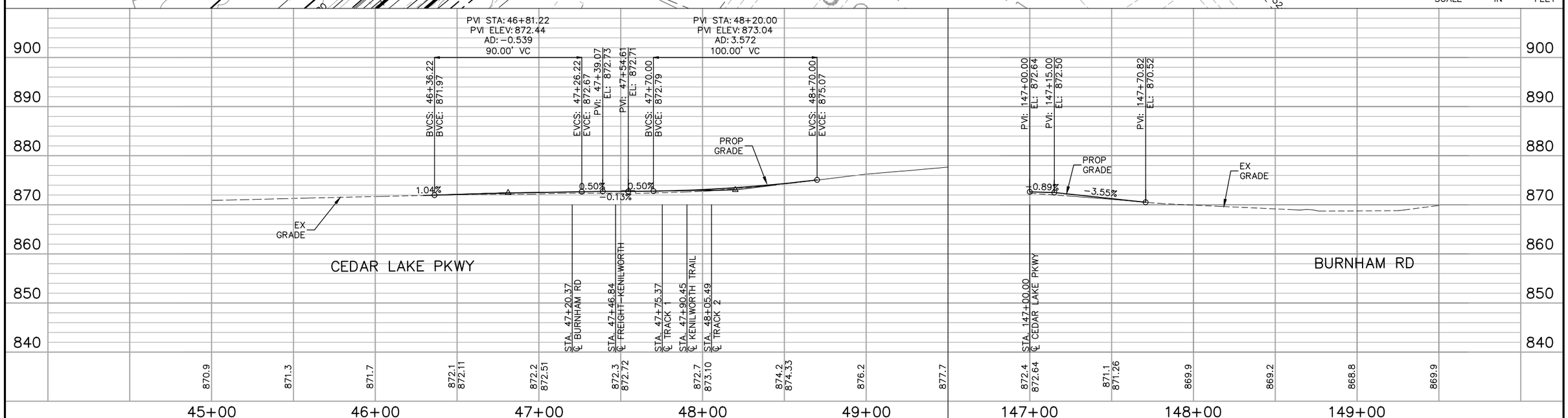
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-009

SHEET 28 OF 50

Jul, 21 2015 08:55 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

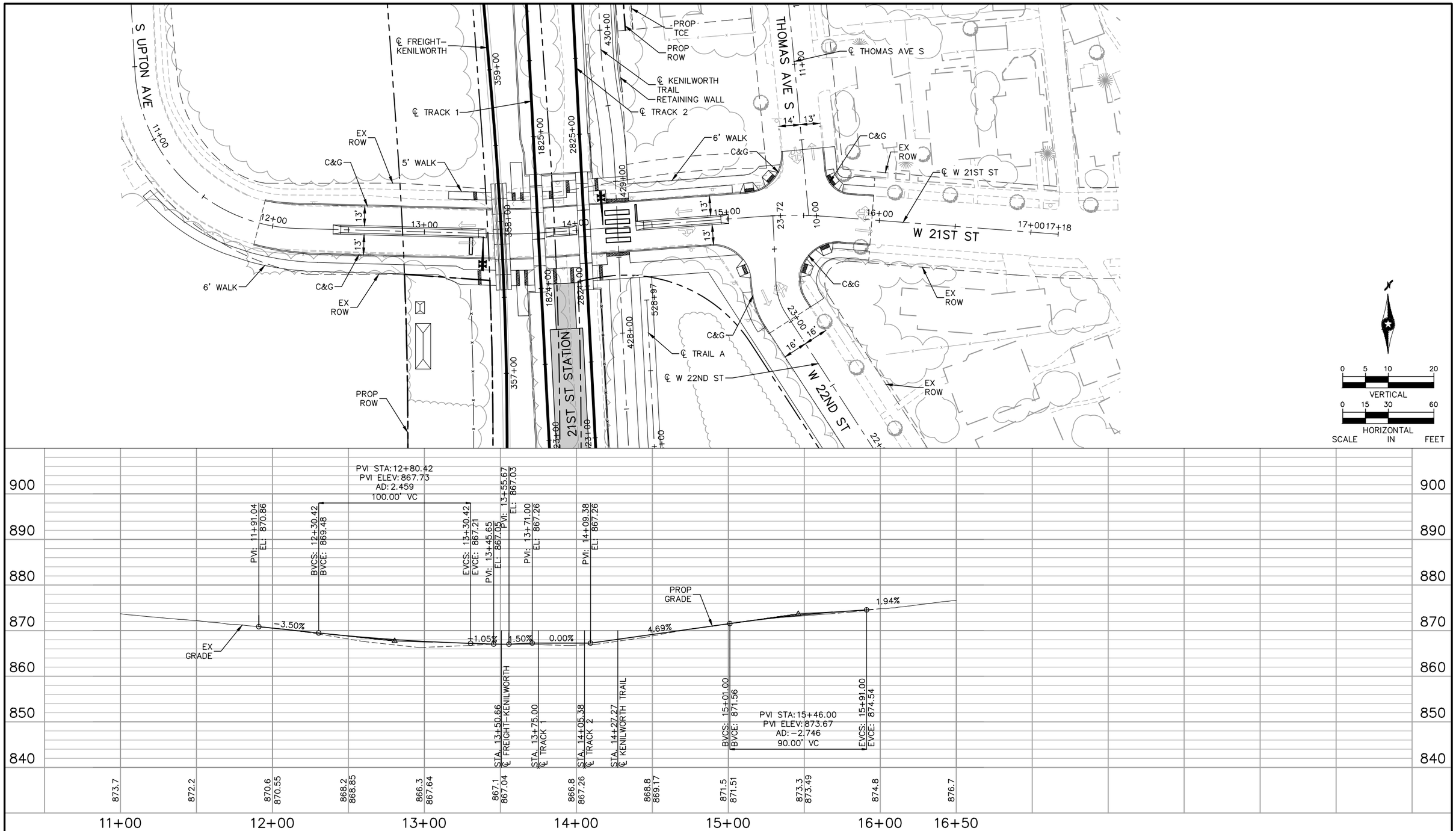
EAST SEGMENT 3
CEDAR LAKE PKWY & BURNHAM RD
PLAN AND PROFILE
STA. 45+00 TO STA. 49+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-010

SHEET 29 OF 50

Jul, 21 2015 08:56 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

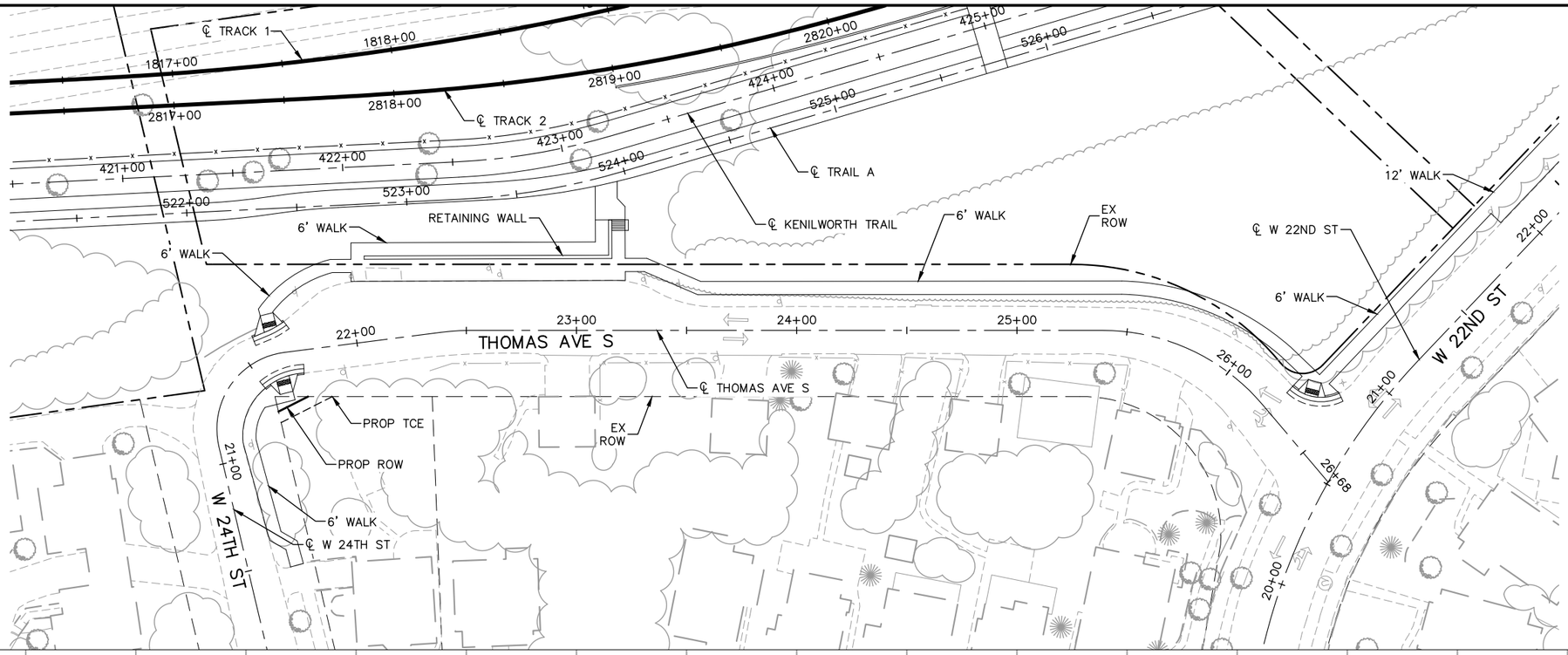
EAST SEGMENT 3
W 21ST ST
PLAN AND PROFILE
STA. 11+00 TO STA. 16+50

DISCIPLINE: CIVIL

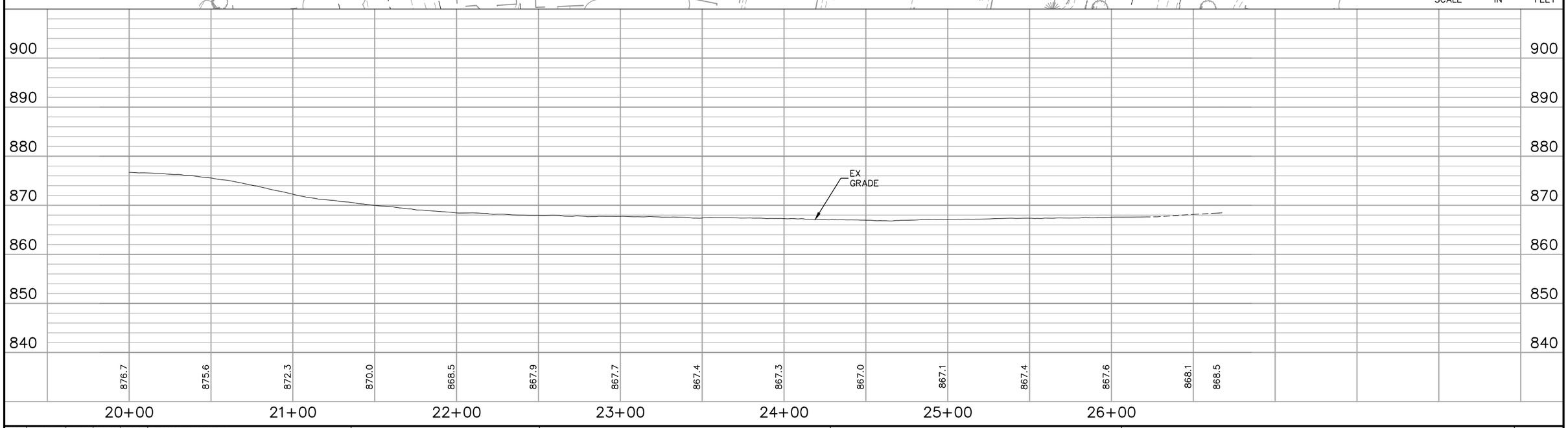
SHEET NAME: E3-CIV-PRF-011

SHEET 30 OF 50

Jul, 21 2015 10:49 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-CIV-PRF.dwg By: jason.fenner



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

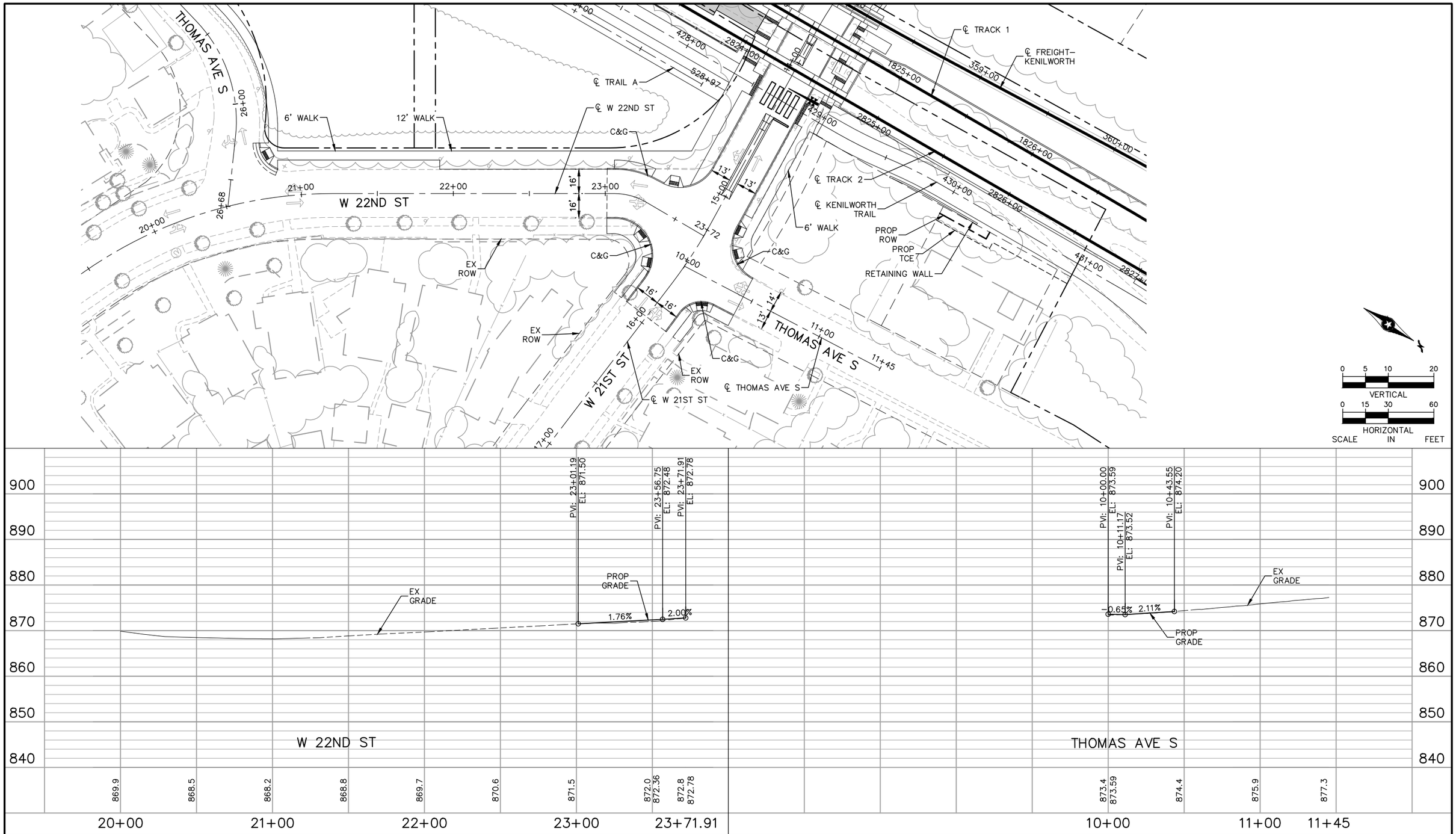
EAST SEGMENT 3
W 24TH ST / THOMAS AVE S
PLAN AND PROFILE
STA. 20+00 TO STA. 26+67.59

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-012

SHEET 31 OF 50

Jul, 21 2015 08:57 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

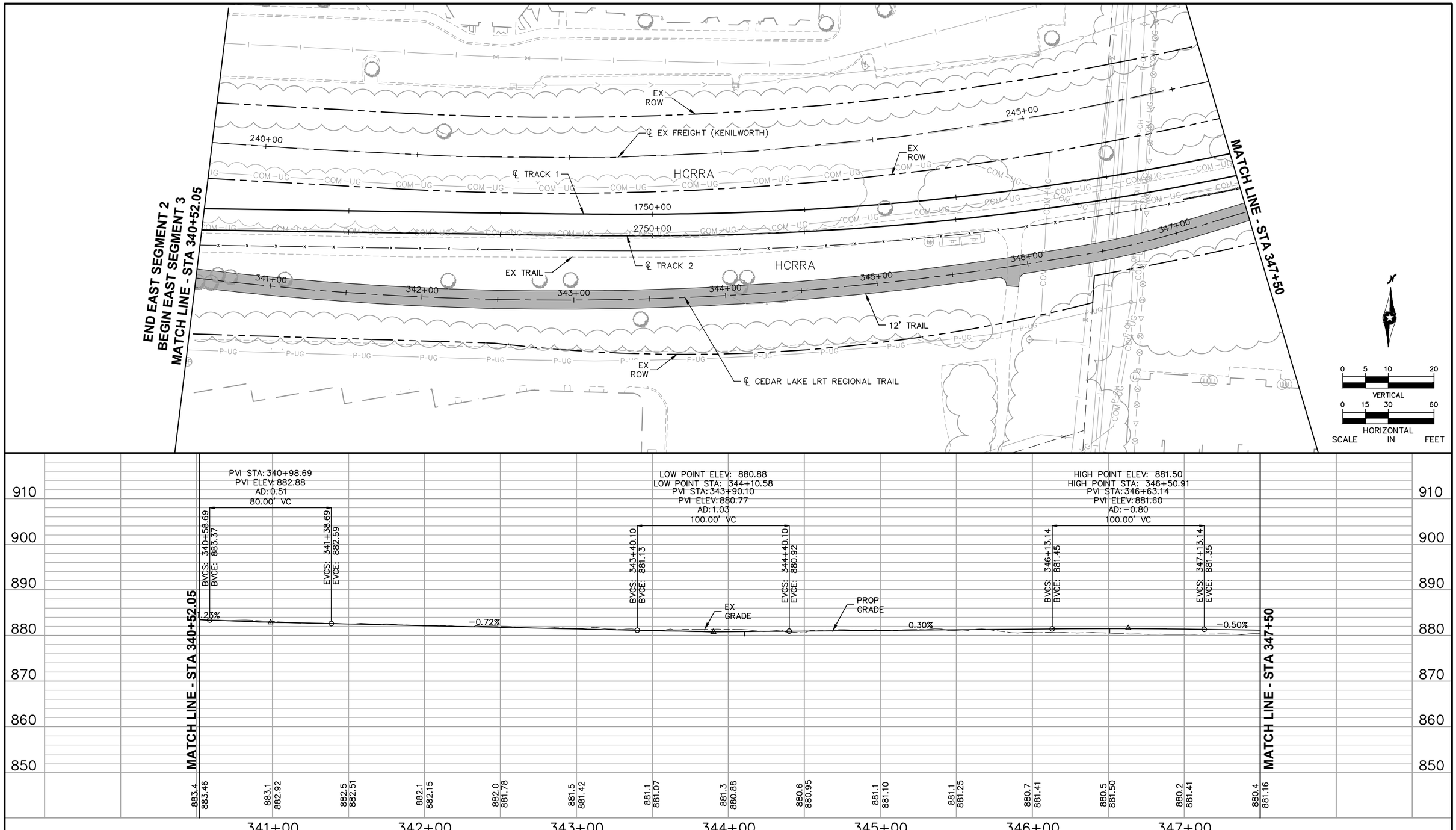
EAST SEGMENT 3
W 22ND ST / THOMAS AVE S
PLAN AND PROFILE

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PRF-013

SHEET 32 OF 50

Jul, 21 2015 08:57 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS\CIVIL\E3-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

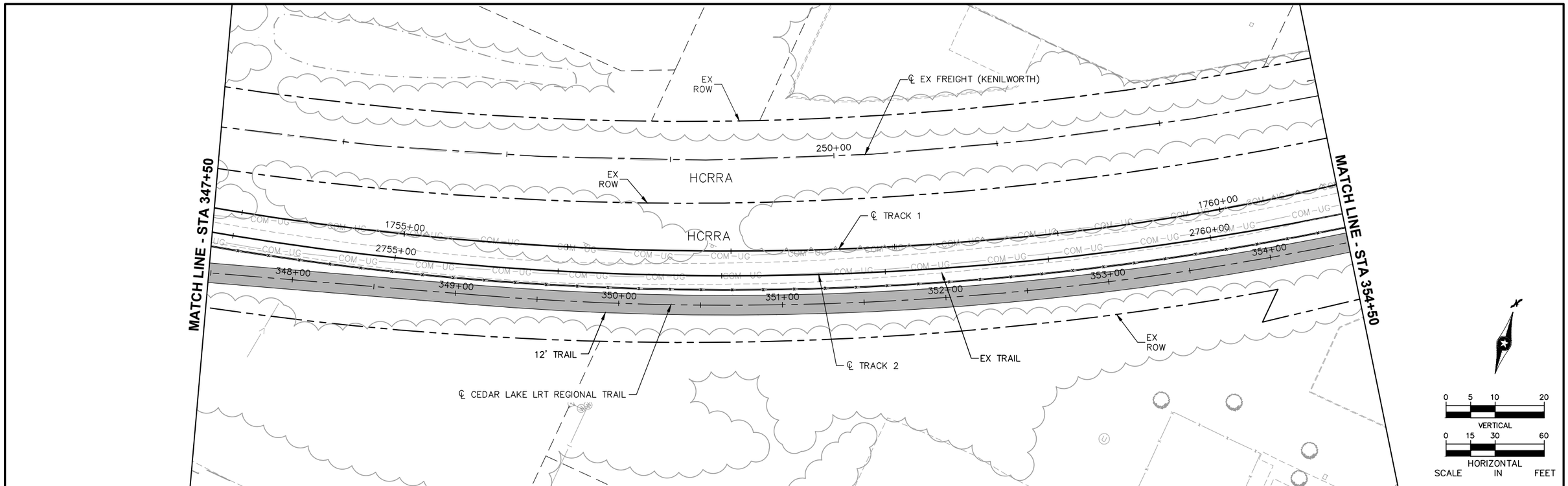
EAST SEGMENT 3
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 340+52.05 TO STA 347+50

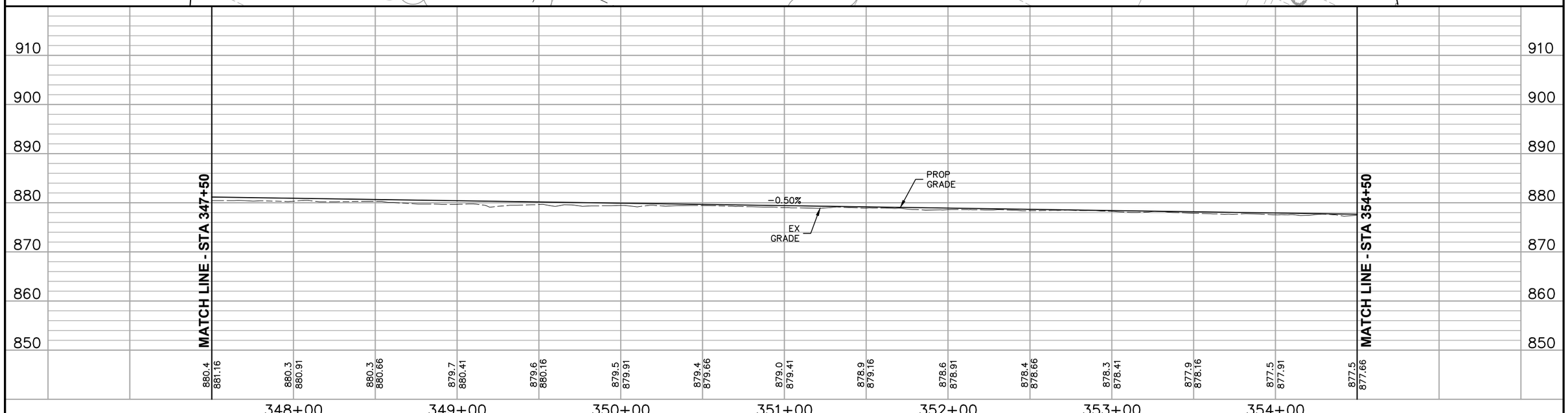
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 001

SHEET 33 OF 50

Jul, 21 2015 06:29 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM Kimley»Horn

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

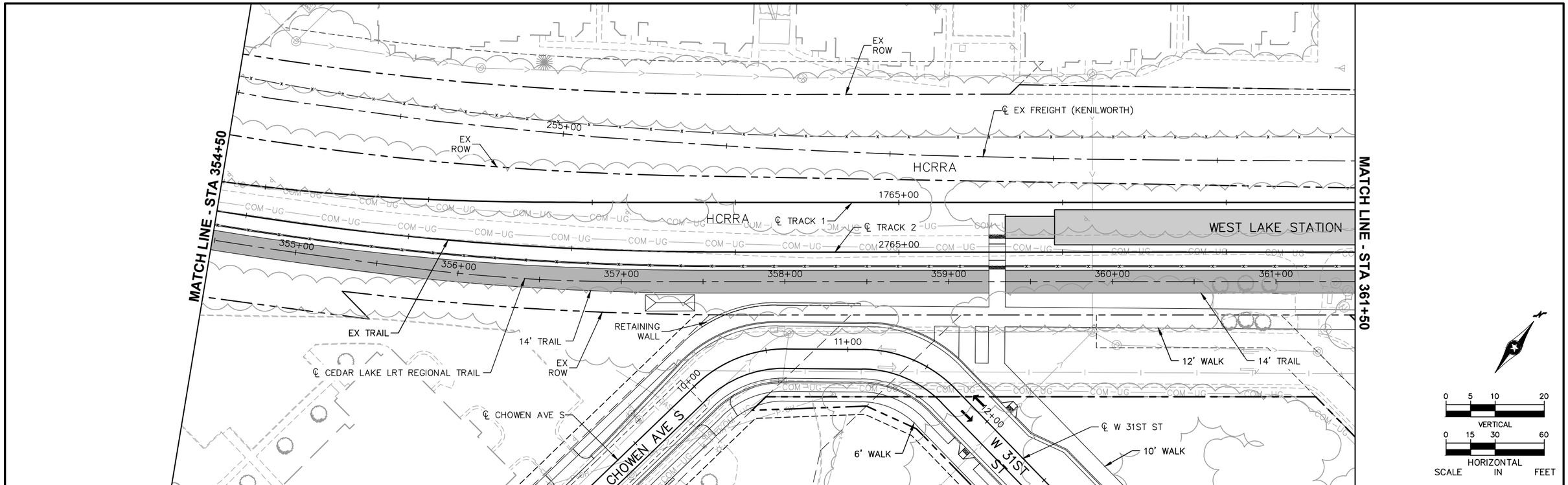
EAST SEGMENT 3
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 347+50 TO STA 354+50

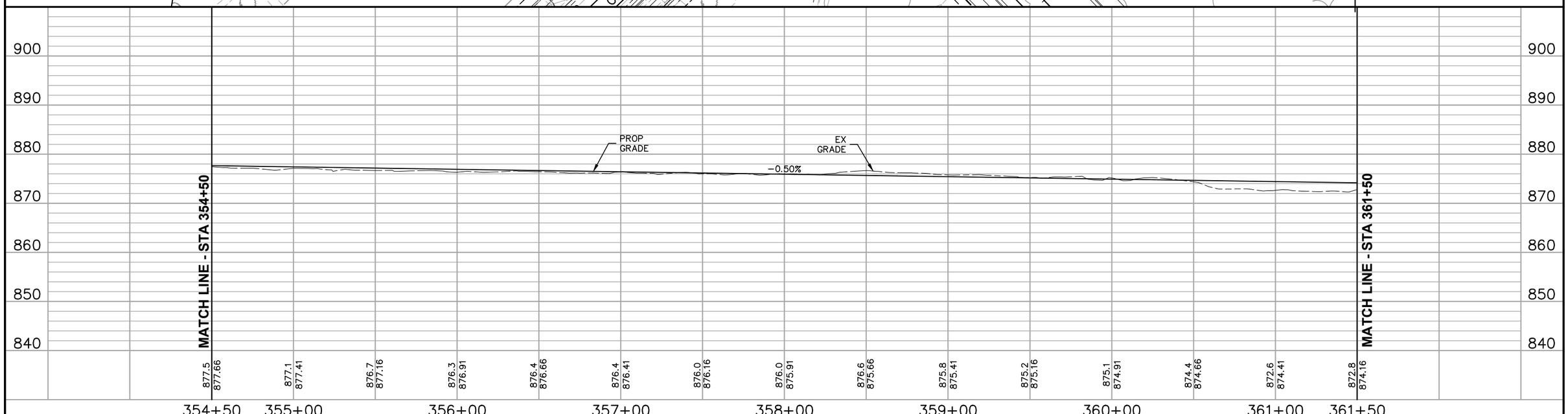
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 002

SHEET 34 OF 50

Jul, 21 2015 06:30 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

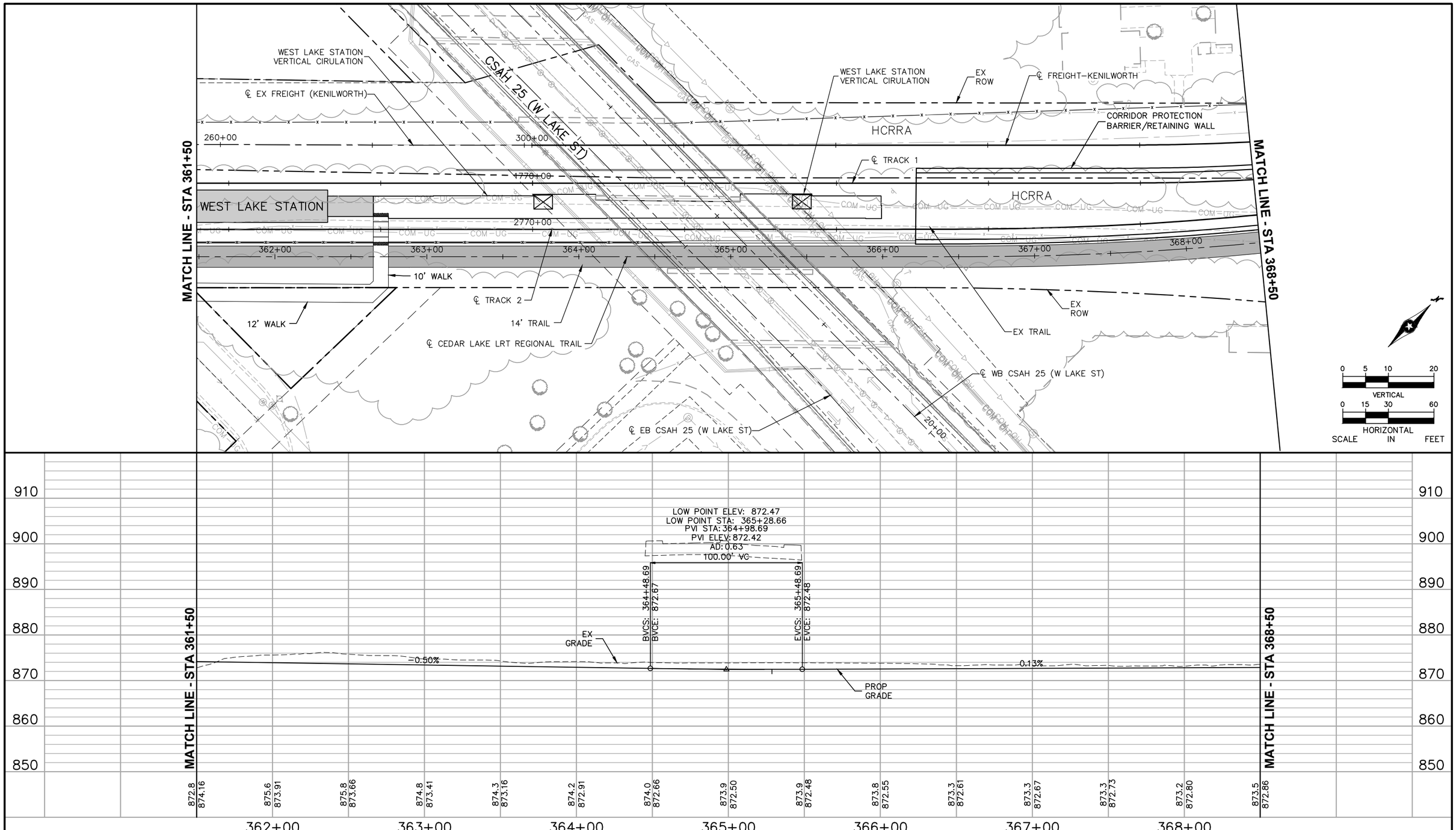
EAST SEGMENT 3
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 354+50 TO STA 361+50

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 003

SHEET 35 OF 50

Jul, 21 2015 06:31 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

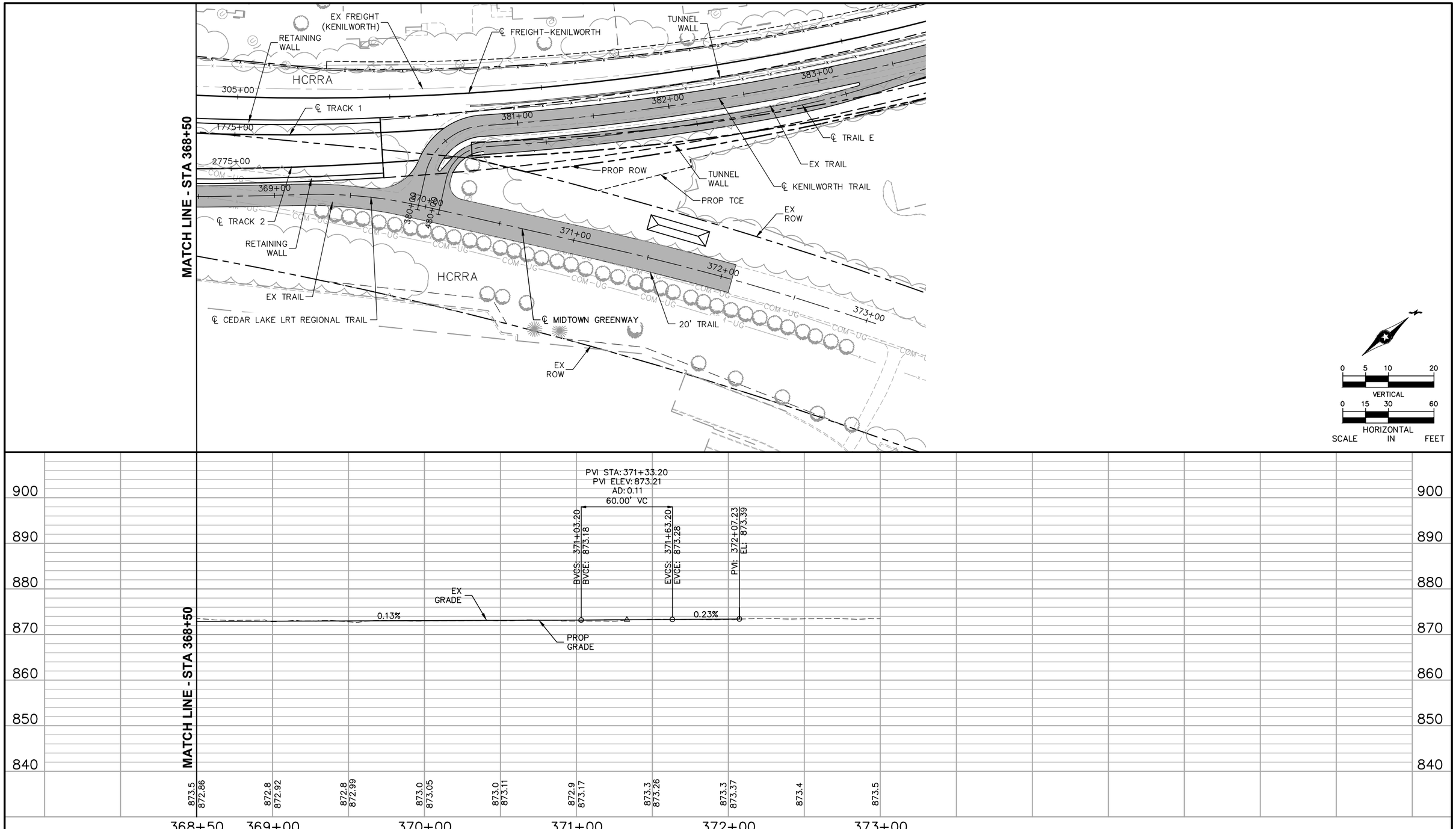
EAST SEGMENT 3
CEDAR LAKE LRT REGIONAL TRAIL
PLAN AND PROFILE
STA 361+50 TO STA 368+50

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 004

SHEET 36 OF 50

Jul, 21 2015 09:32 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

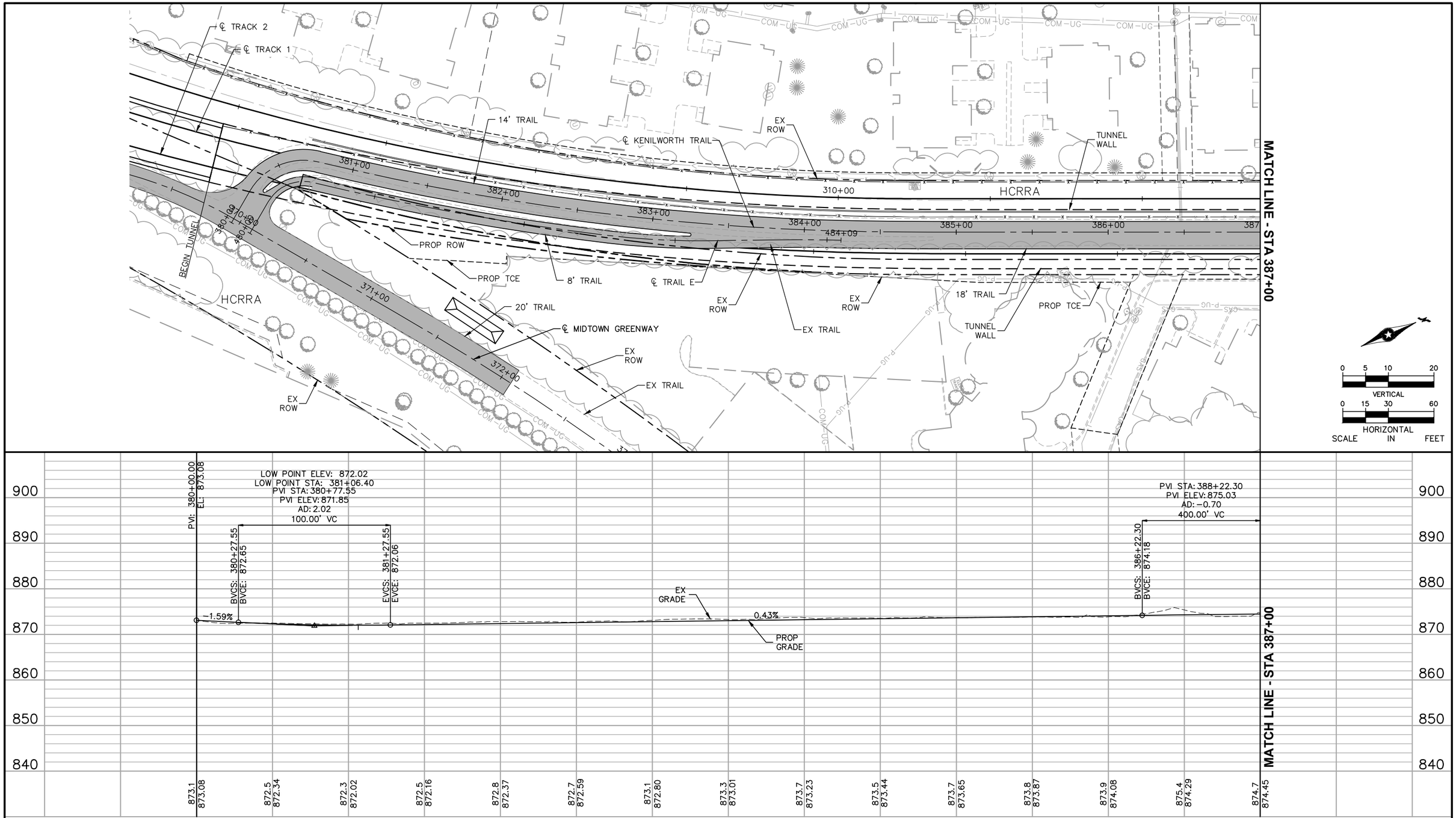
EAST SEGMENT 3
CEDAR LAKE LRT REGIONAL TRAIL/
MIDTOWN GREENWAY PLAN AND PROFILE
STA 368+50 TO STA 372+08.19

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 005

SHEET 37 OF 50

Jul. 21 2015 09:33 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

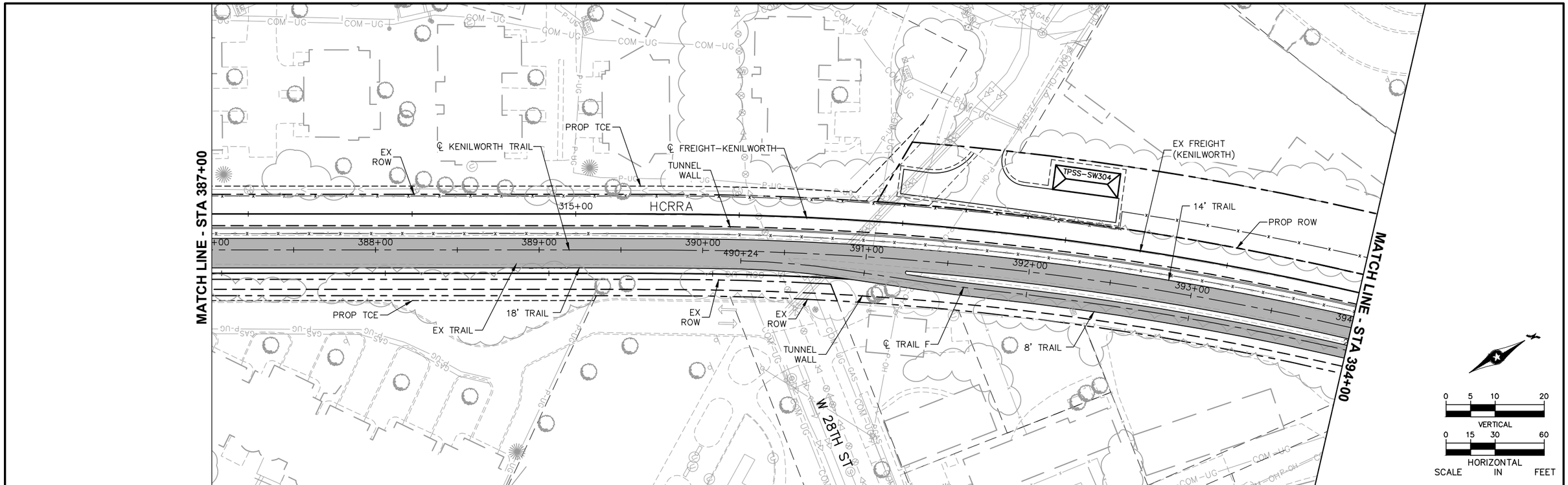
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 380+00 TO STA 387+00

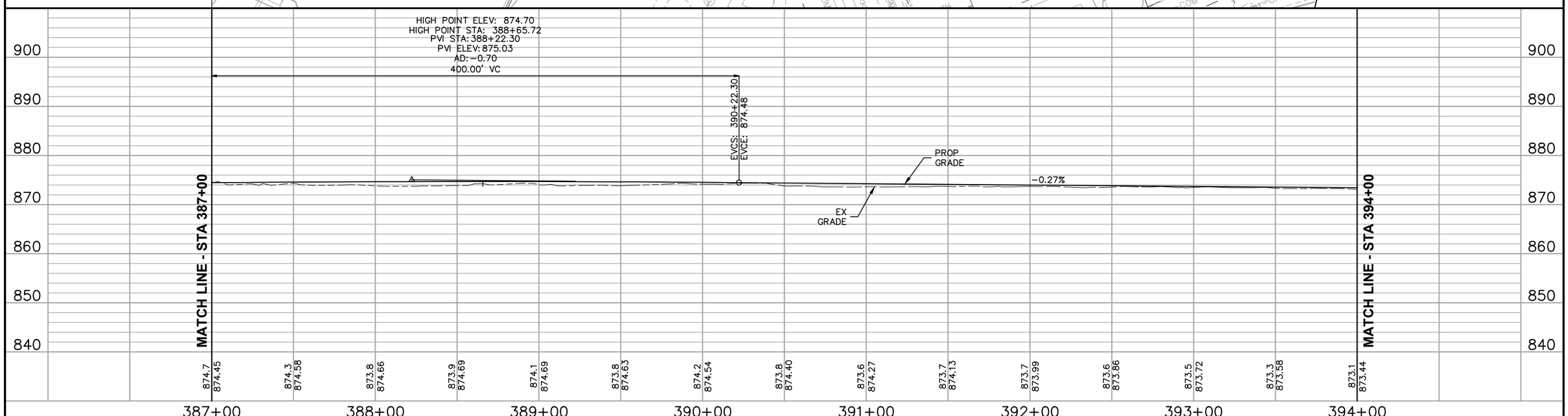
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 006

SHEET 38 OF 50

Jul, 21 2015 04:46 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

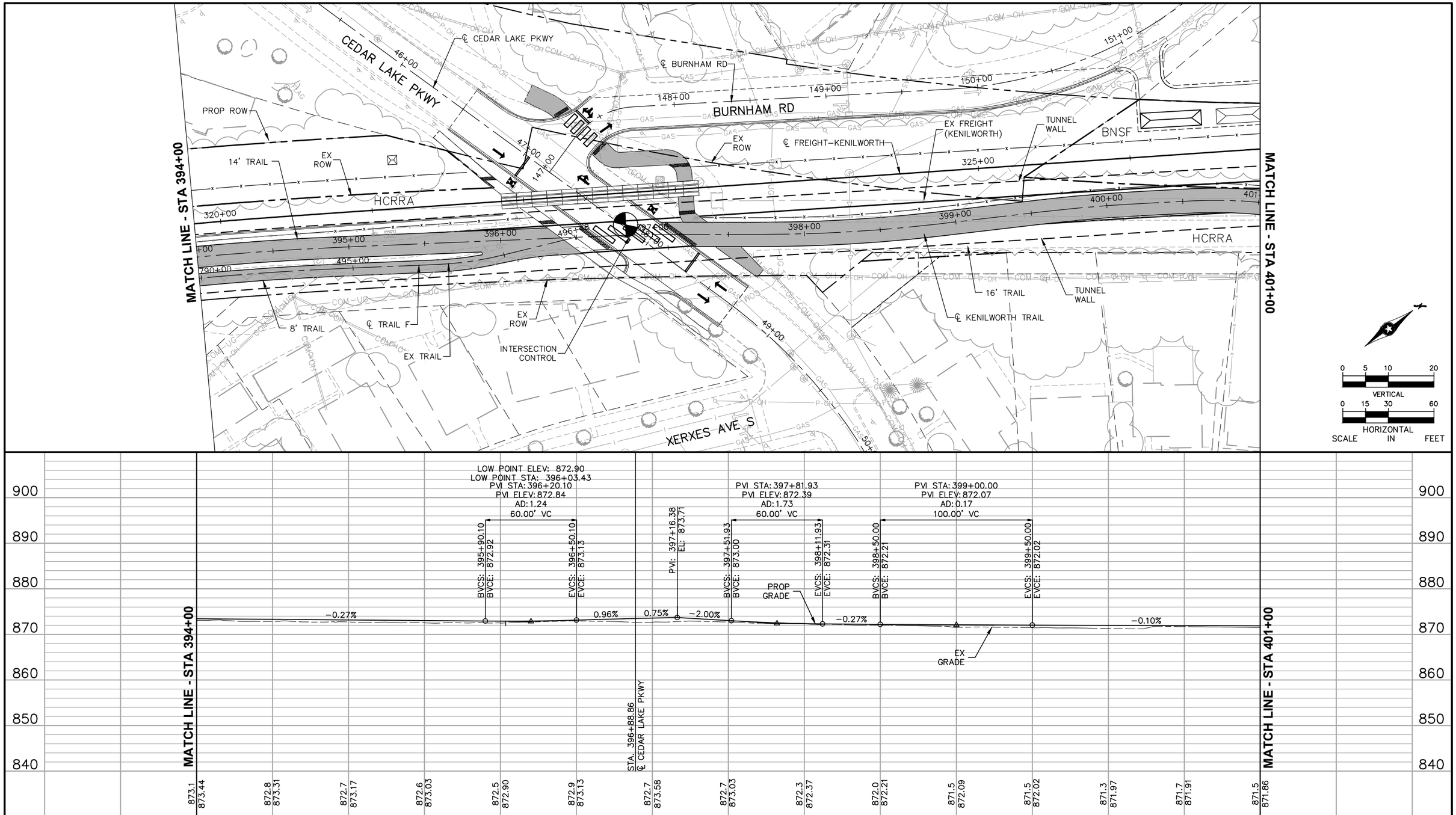
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 387+00 TO STA 394+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 007

SHEET 39 OF 50

Jul. 21 2015 06:35 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

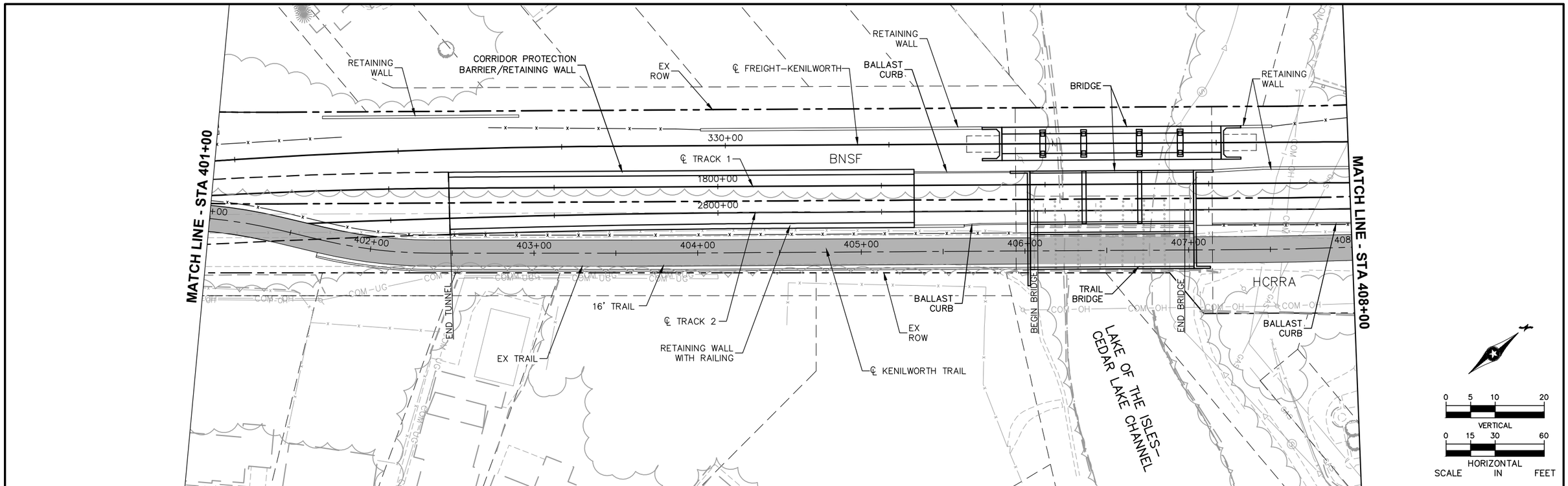
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 394+00 TO STA 401+00

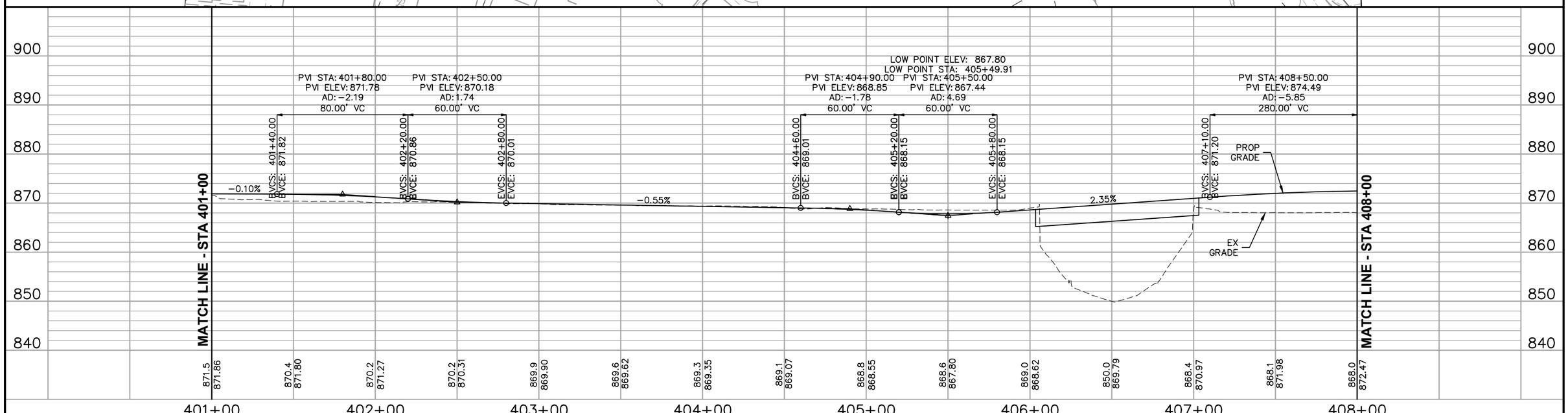
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 008

SHEET 40 OF 50

Jul, 21 2015 06:36 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

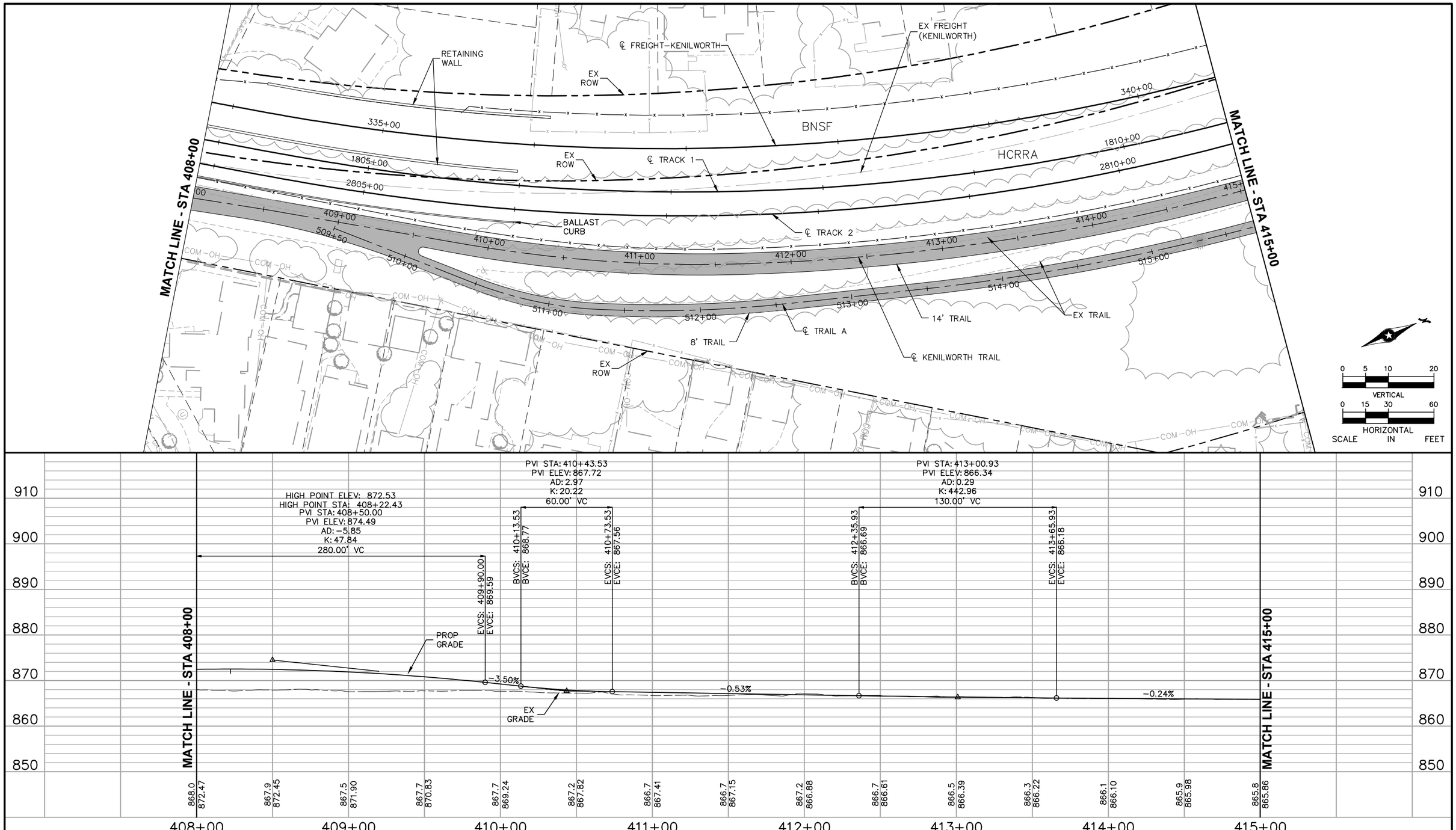
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 401+00 TO STA 408+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 009

SHEET 41 OF 50

Jul, 21 2015 09:34 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

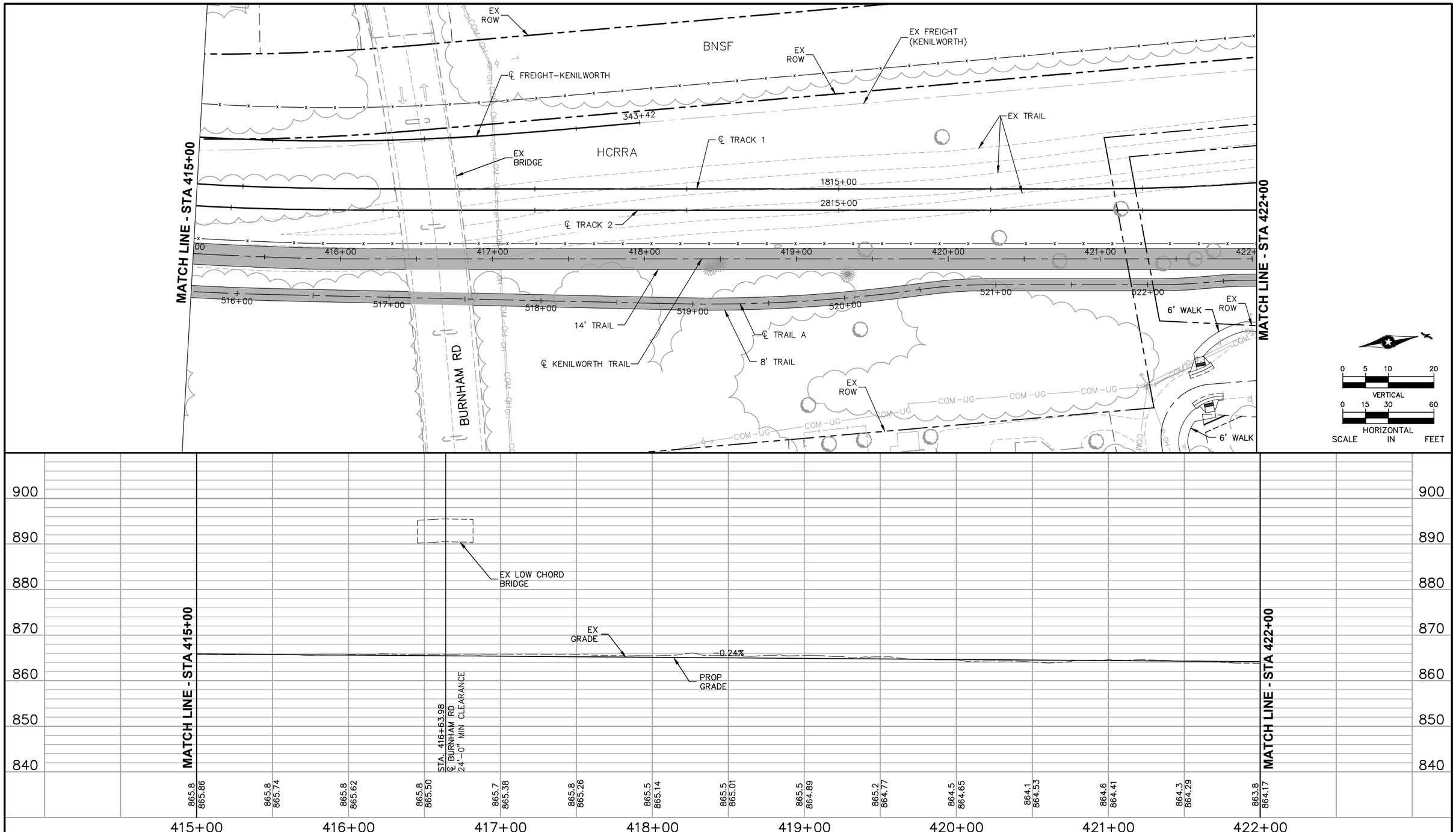
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 408+00 TO STA 415+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 010

SHEET 42 OF 50

Jul, 21 2015 06:38 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

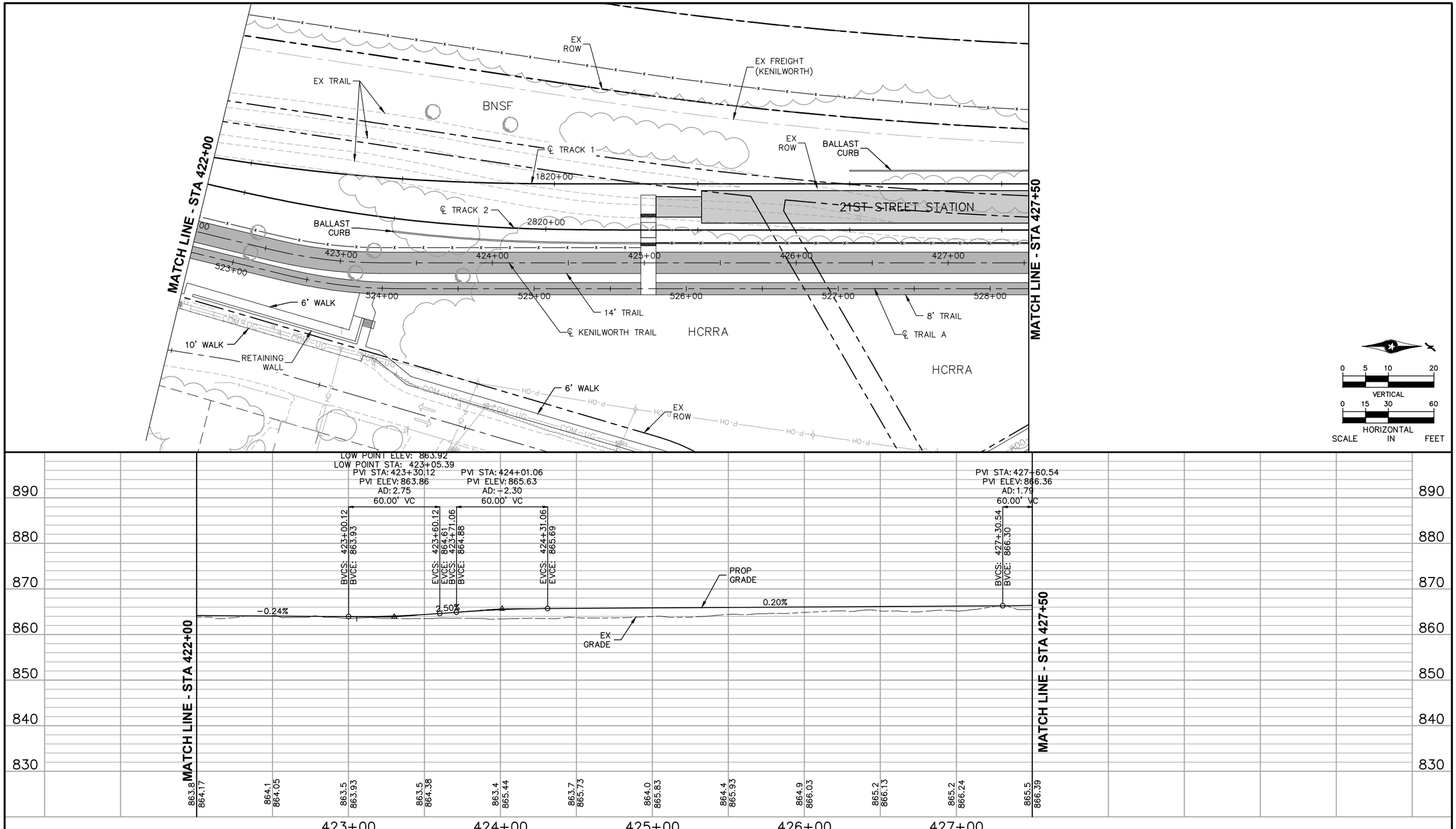
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 415+00 TO STA 422+00

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 011

SHEET 43 OF 50

Jul, 21 2015 06:39 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

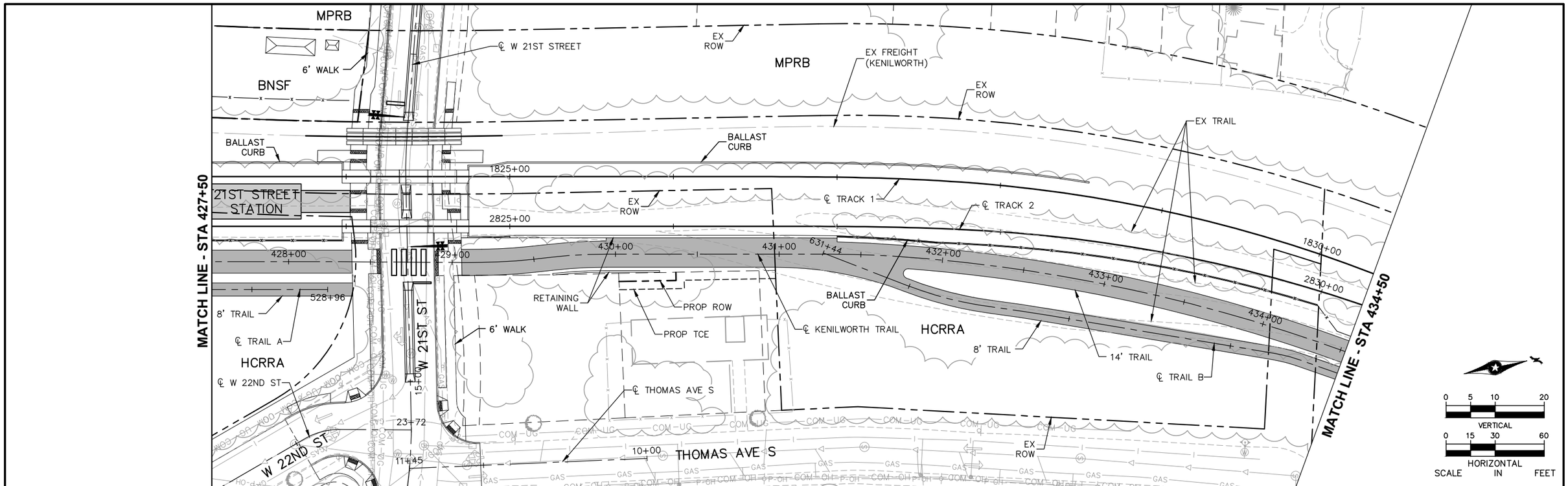
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 422+00 TO STA 427+50

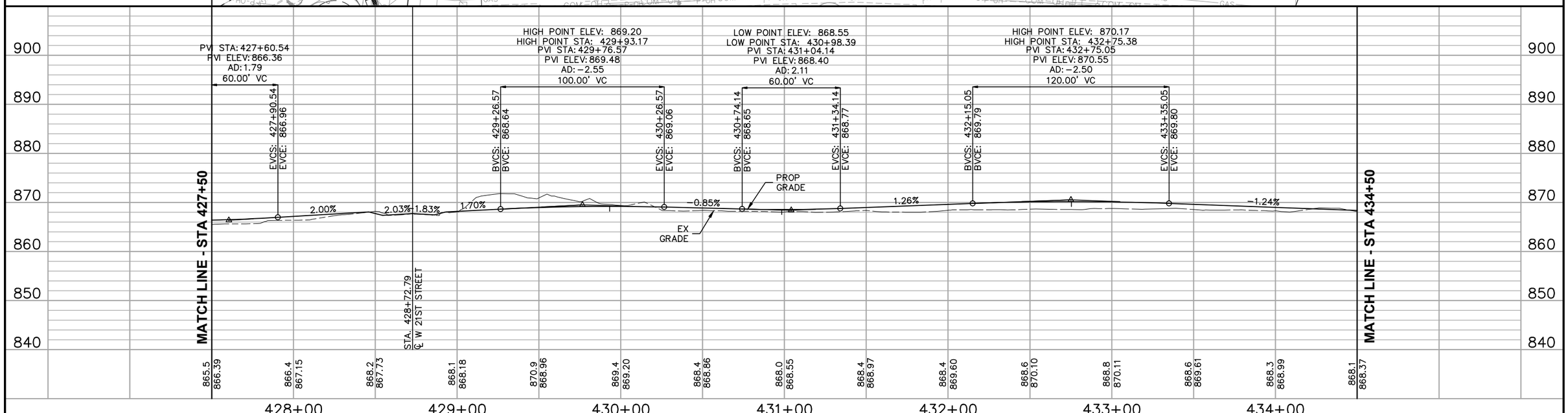
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 012

SHEET 44 OF 50

Jul. 21 2015 06:40 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

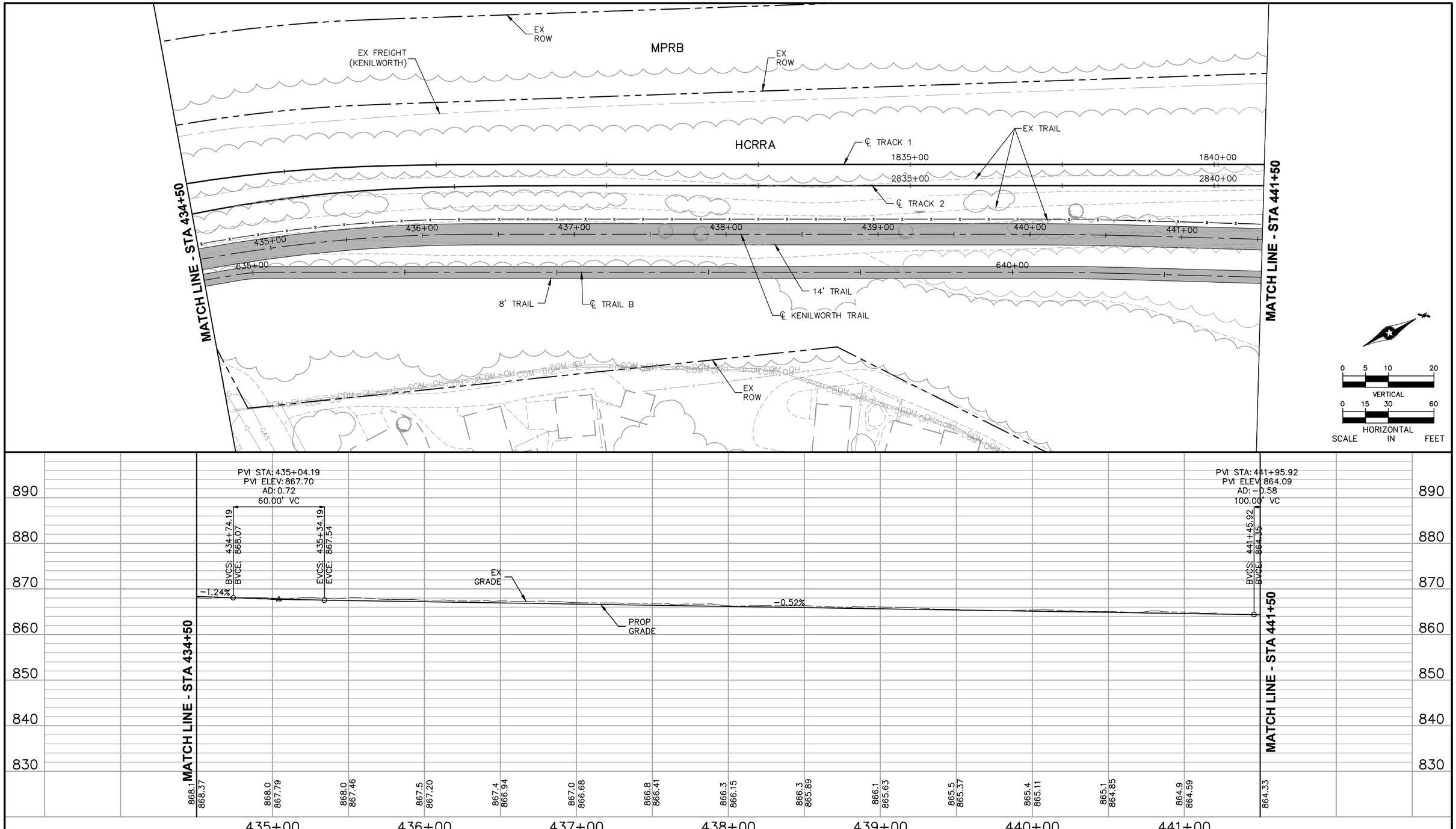
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 427+50 TO STA 434+50

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 013

SHEET 45 OF 50

Jul, 21 2015 06:41 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

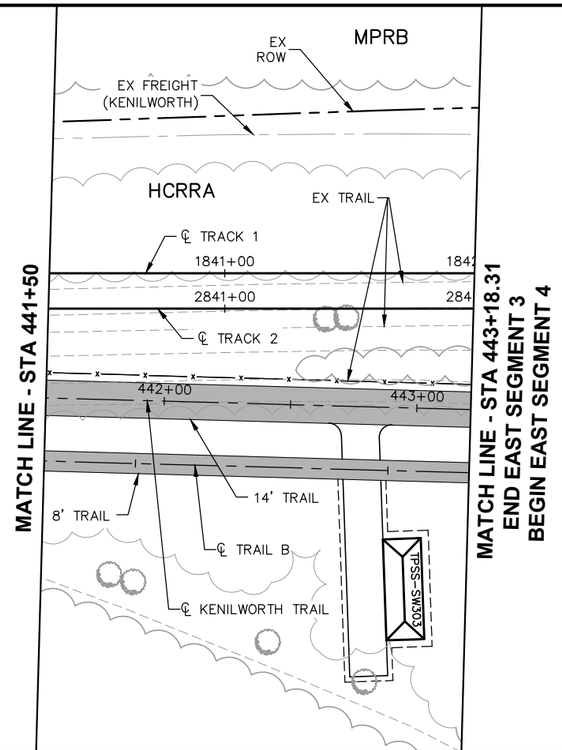
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 434+50 TO STA 441+50

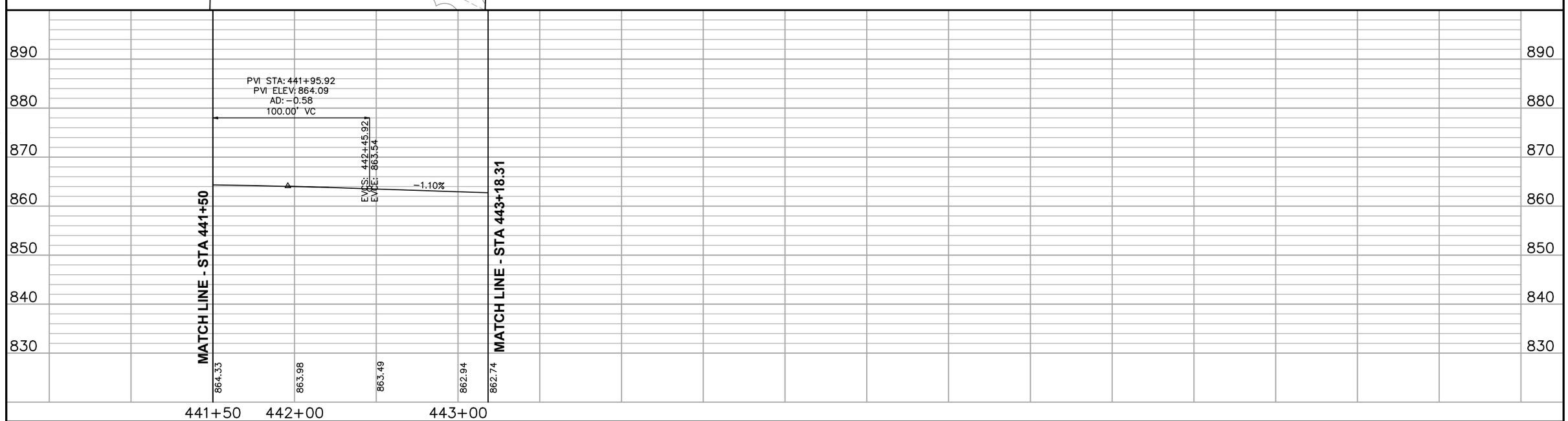
DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 014

SHEET 46 OF 50

Jul, 21 2015 06:42 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr





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

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

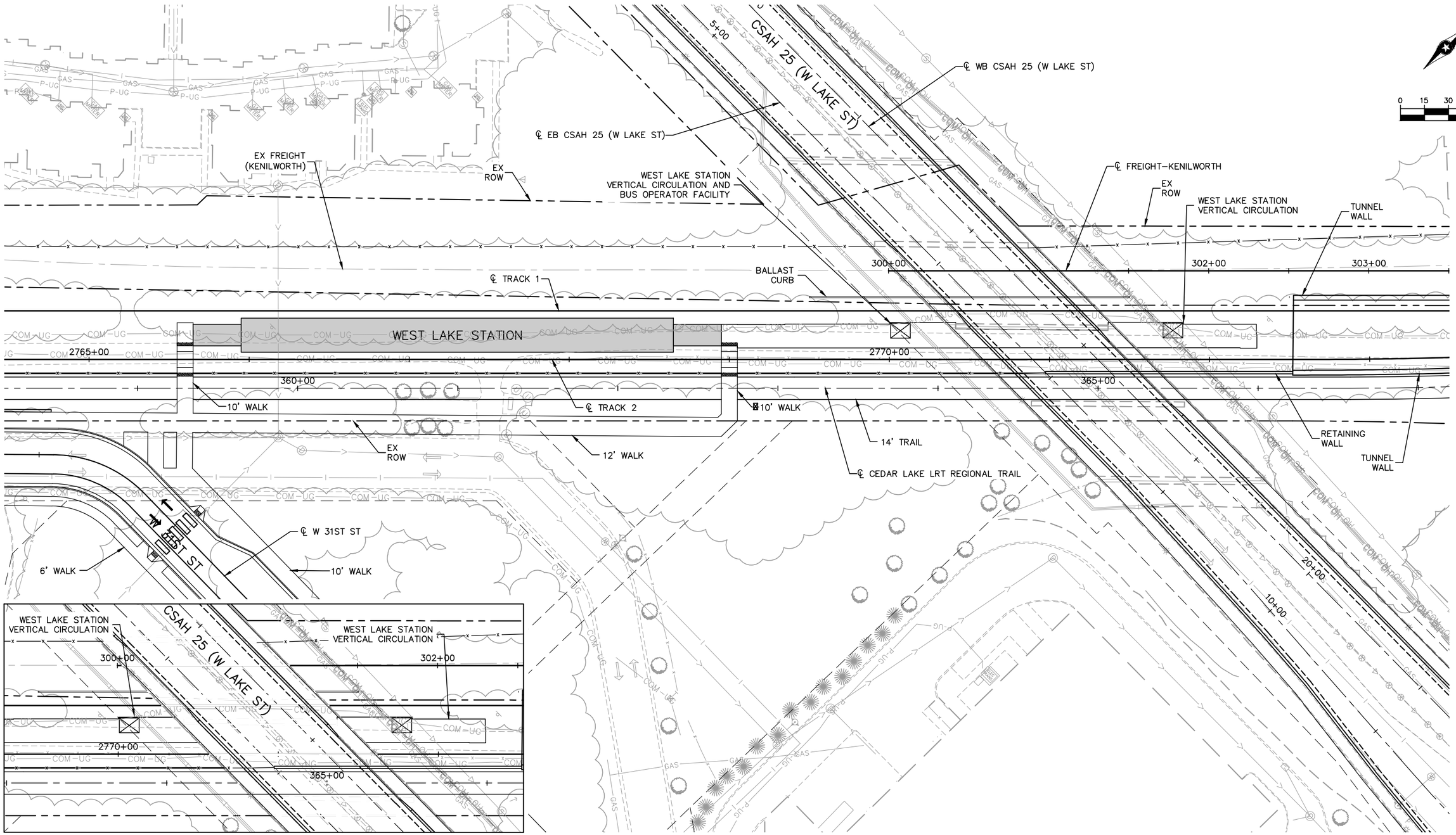
EAST SEGMENT 3
KENILWORTH TRAIL
PLAN AND PROFILE
STA 441+50 TO STA 443+18.31

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-TRL - 015

SHEET 47 OF 50

Jul, 21 2015 06:43 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-TRL.dwg By: Wedgehr



CSAH 25 (W LAKE ST) BRIDGE LEVEL

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

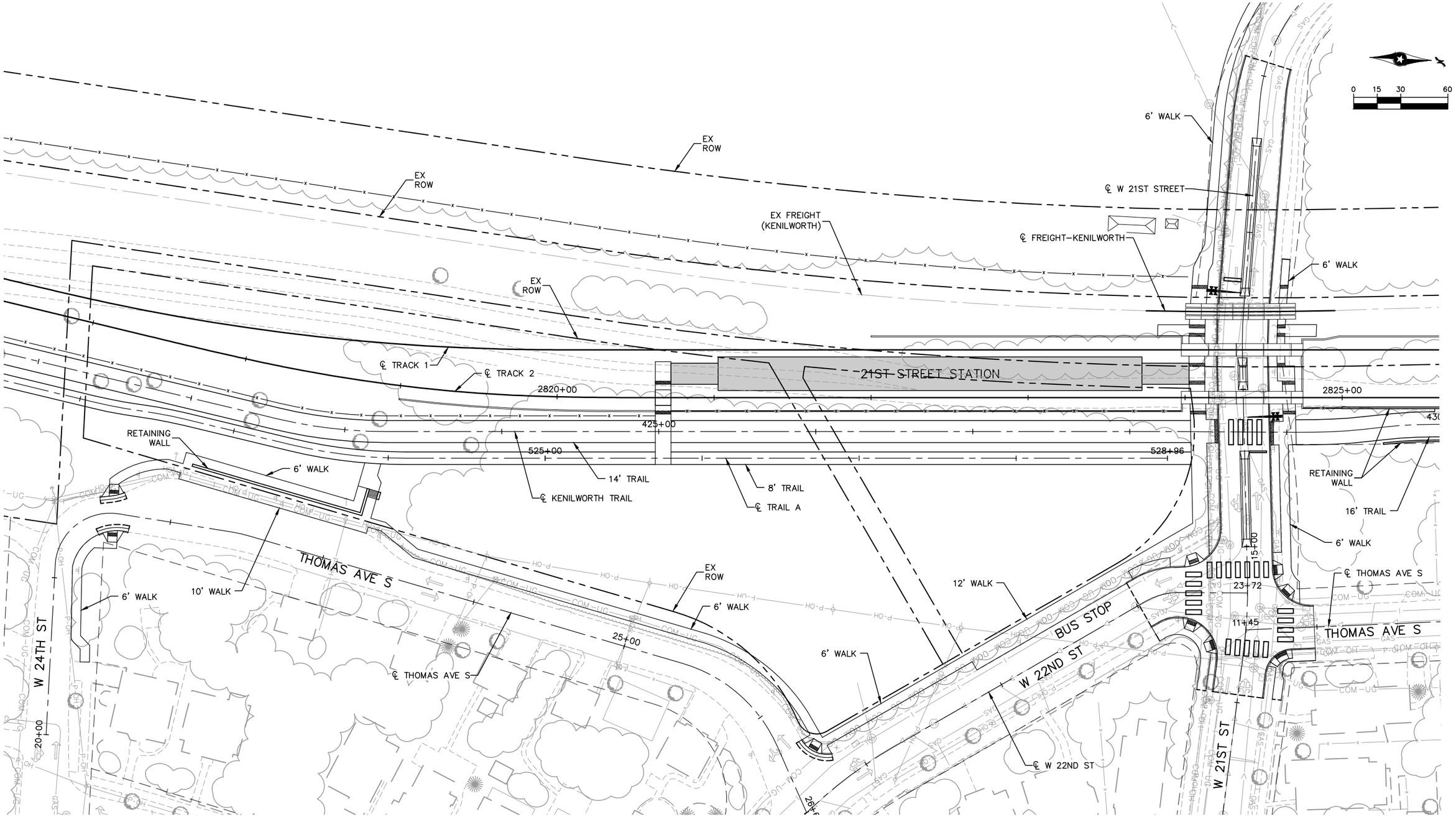
EAST SEGMENT 3
WEST LAKE STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PLN - 001

SHEET 48 OF 50

Jul, 21 2015 10:03 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-PLN.dwg By: Wedgehr



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

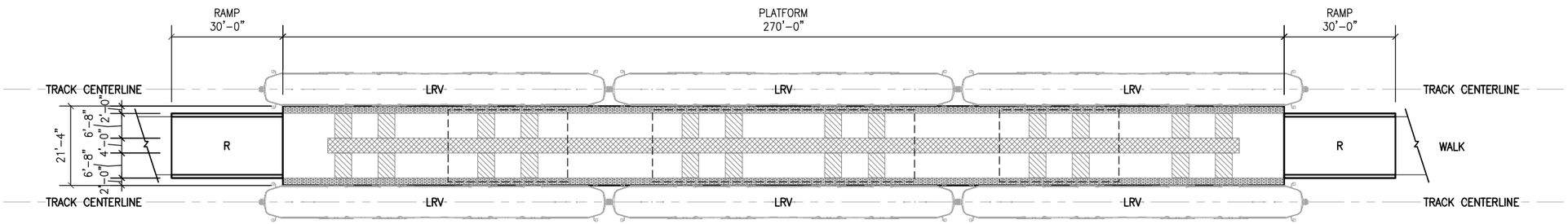
EAST SEGMENT 3
21ST STREET STATION
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: E3-CIV-PLN - 002

SHEET 49 OF 50

Jul, 21 2015 09:58 am V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\CIVIL\E3-CIV-PLN.dwg By: Wedgehr



WEST LAKE STATION

21ST STREET STATION

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

WEST LAKE STATION: TOWN SQUARE TYPE

21ST STREET STATION: LANDSCAPE TYPE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

EAST SEGMENT 3
STATION LAYOUT
CENTER PLATFORM

DISCIPLINE: ARCHITECTURE

SHEET NAME: E3-ARC-STA-PLN

SHEET 50 OF 50

Jul, 20 2015 05:19 pm V:\3400_ADC\CAD\SEGMENT E3\PLAN SHEETS MC\ARCH\E3-ARC-STA-PLN.dwg By: Ebsenjr