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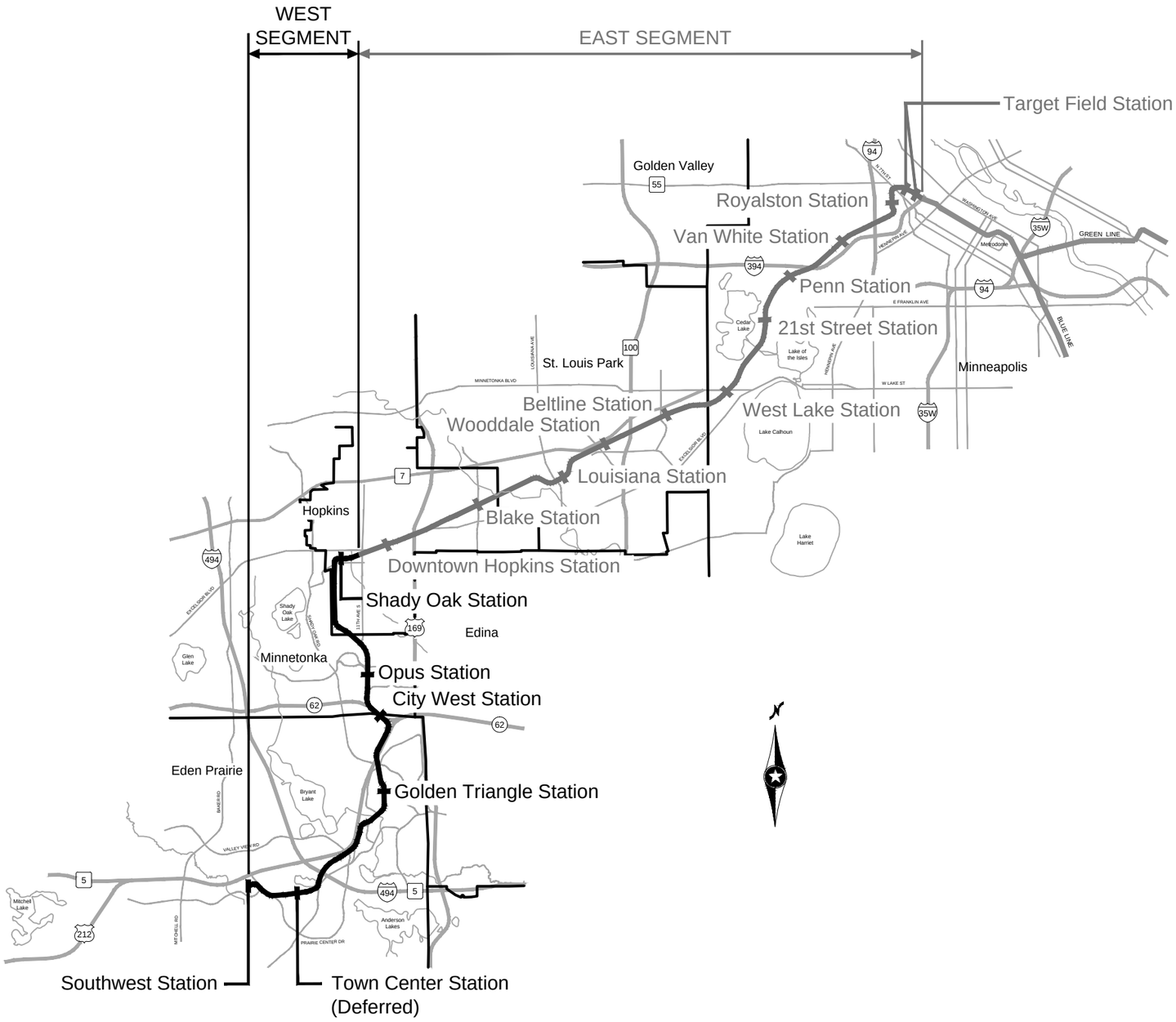

SOUTHWEST
Green Line LRT Extension

METROPOLITAN COUNCIL

WEST SEGMENT 2

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

MN STATUTE 473.3994

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AECOM

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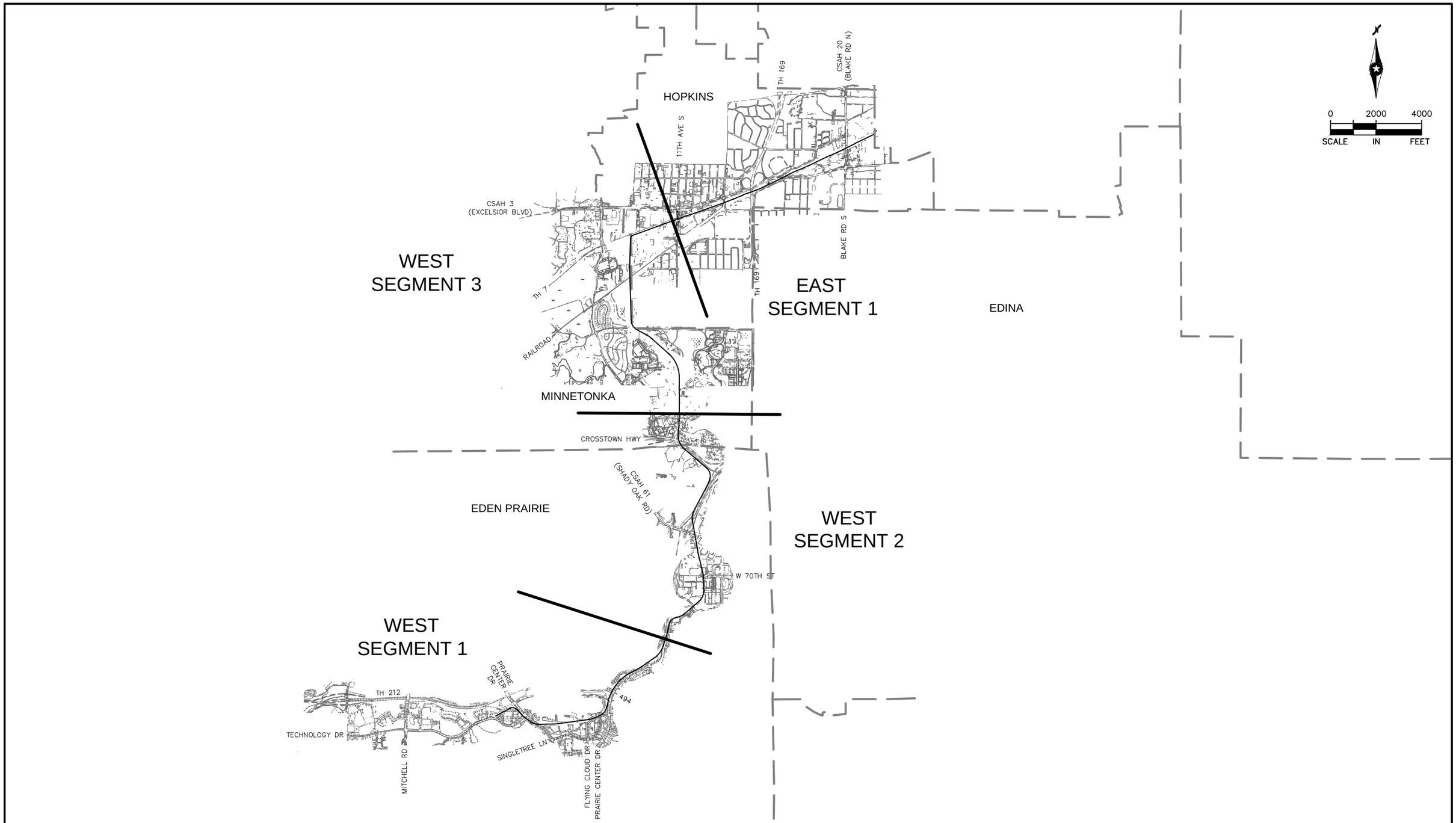
PRELIMINARY - NOT FOR CONSTRUCTION

Jul, 22 2015 09:32 am V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\GENERAL\W2-GEN-CVR.dwg By: V-KriewaMR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
GENERAL
SEGMENT KEY MAP

DISCIPLINE: GENERAL

SHEET NAME: W2-GEN-KEY - 001

SHEET 2 OF 43

Jul, 21 2015 06:40 am V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\GENERAL\W2-GEN-KEY.dwg By: V-KriewaMR

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

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
GENERAL
LEGEND AND ABBREVIATIONS

DISCIPLINE: GENERAL

SHEET NAME: W2-GEN-NTS - 001

SHEET 3 OF 43

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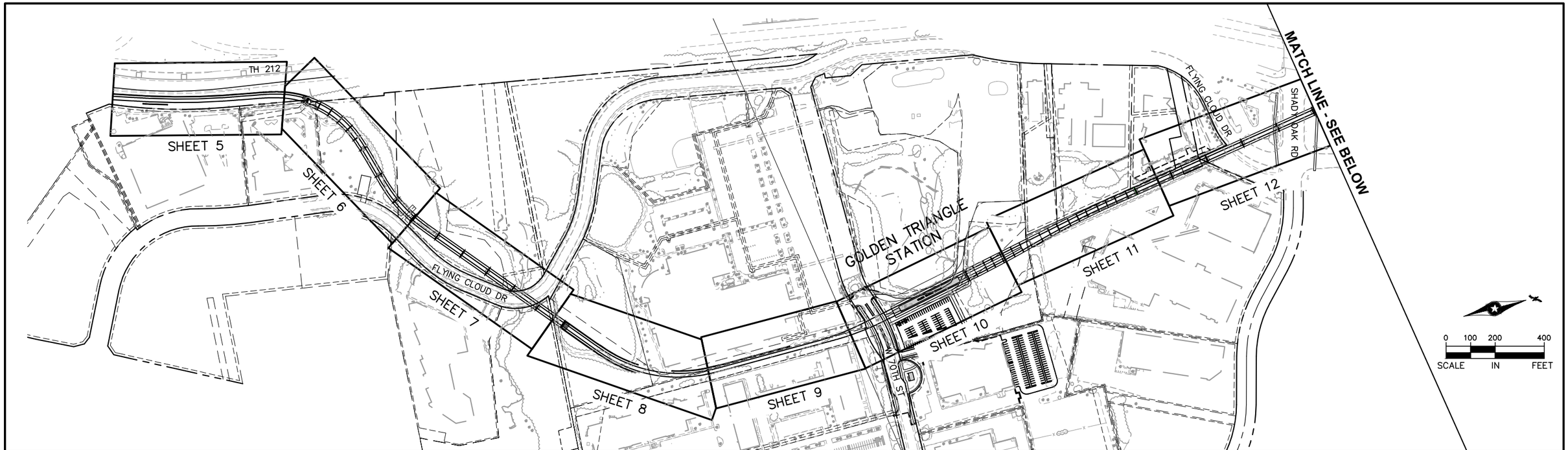

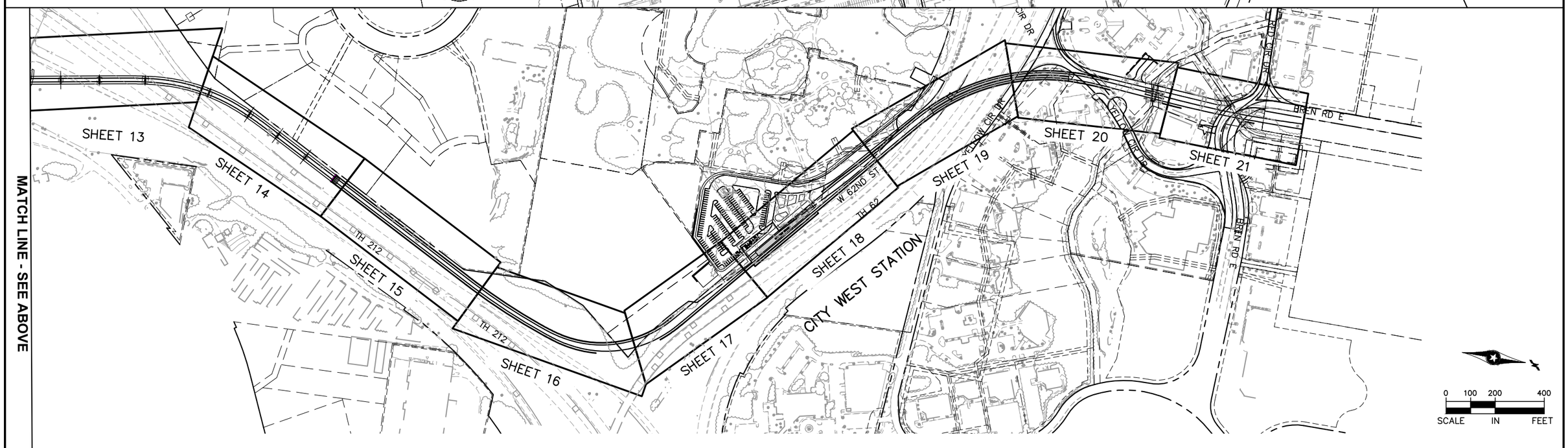

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
SHEET LAYOUT INDEX

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-IDX-001

SHEET 4 OF 43

Jul, 21 2015 04:28 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-IDX.dwg By: V-RaboodV

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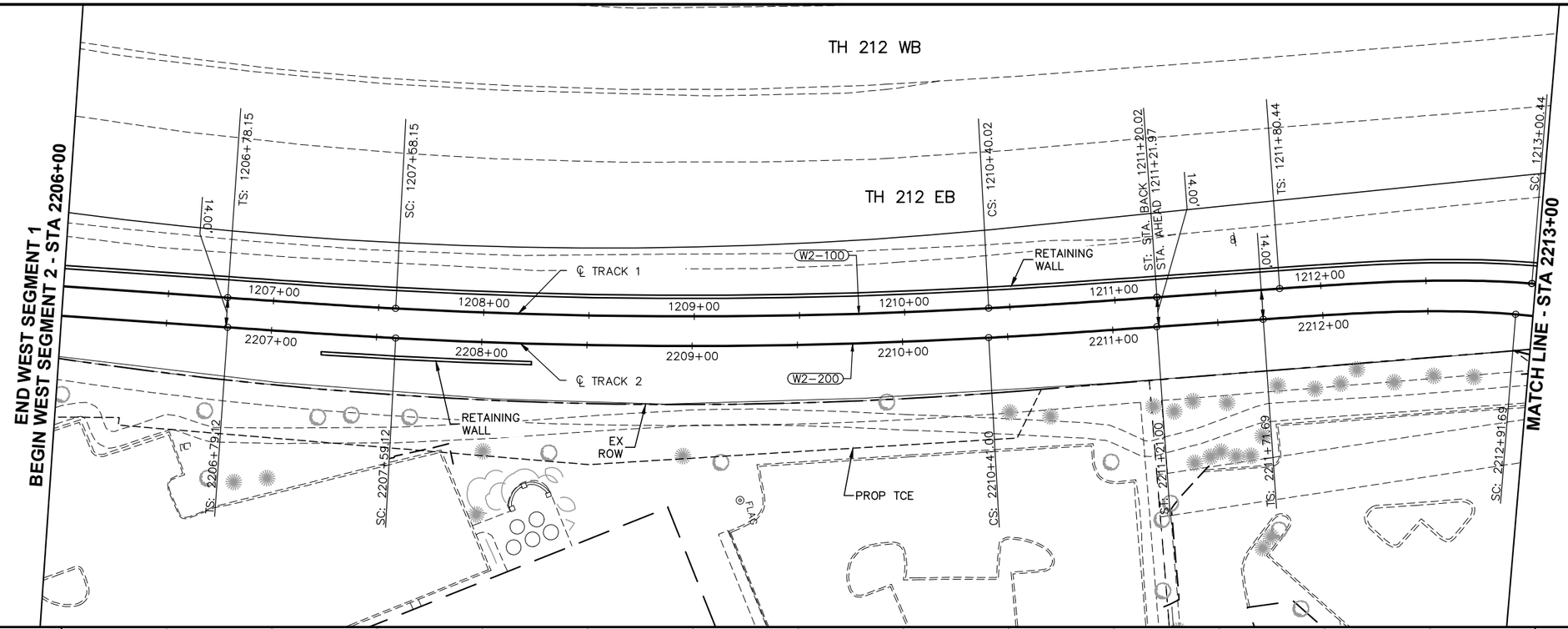
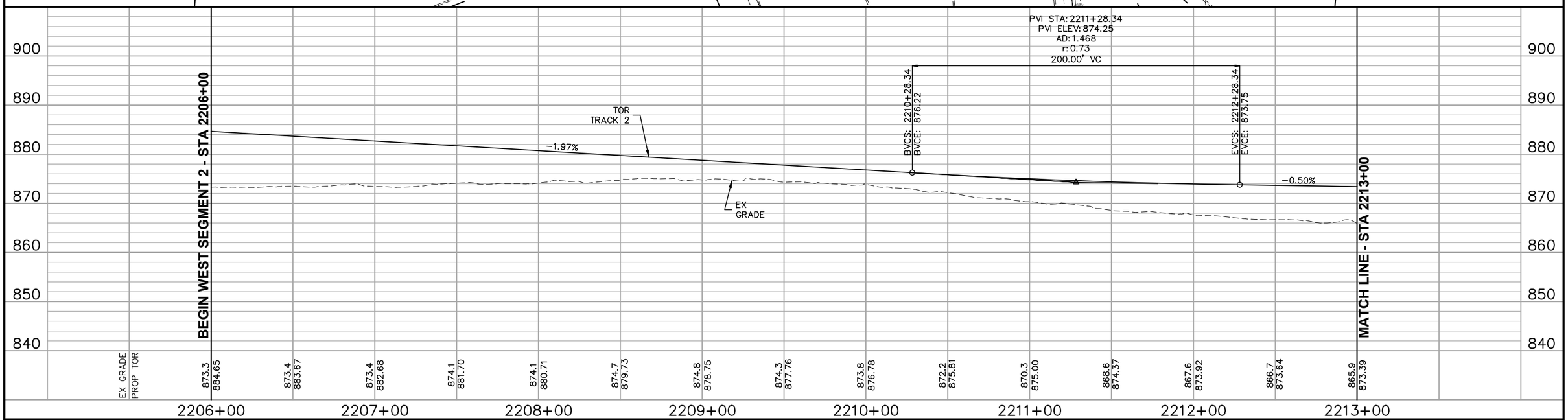
Lc = 281.87'
Ls = 80.00'
Ea = 1.50"
Eu = 1.58"
V = 45 MPH





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2206+00 TO STA 2213+00

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 001

SHEET 5 OF 43

Jul. 21 2015 04:29 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV

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Lc = 327.04'
Ls = 120.00'
Ea = 3.50"
Eu = 2.69"
V = 25 MPH

CURVE NO. W2-202
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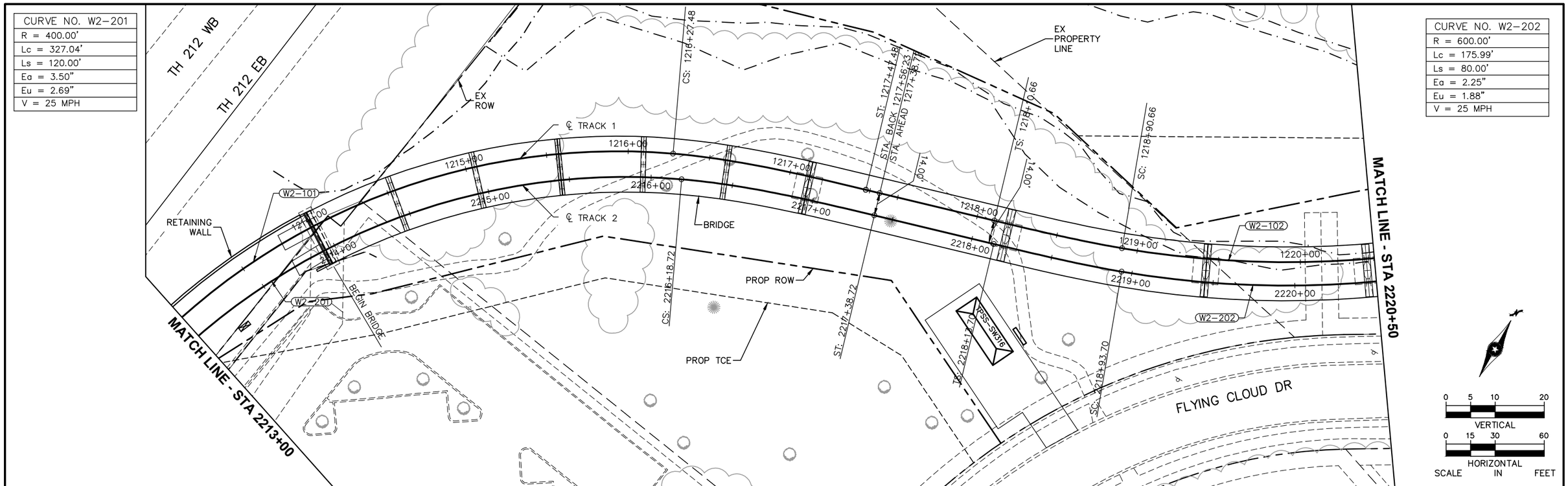
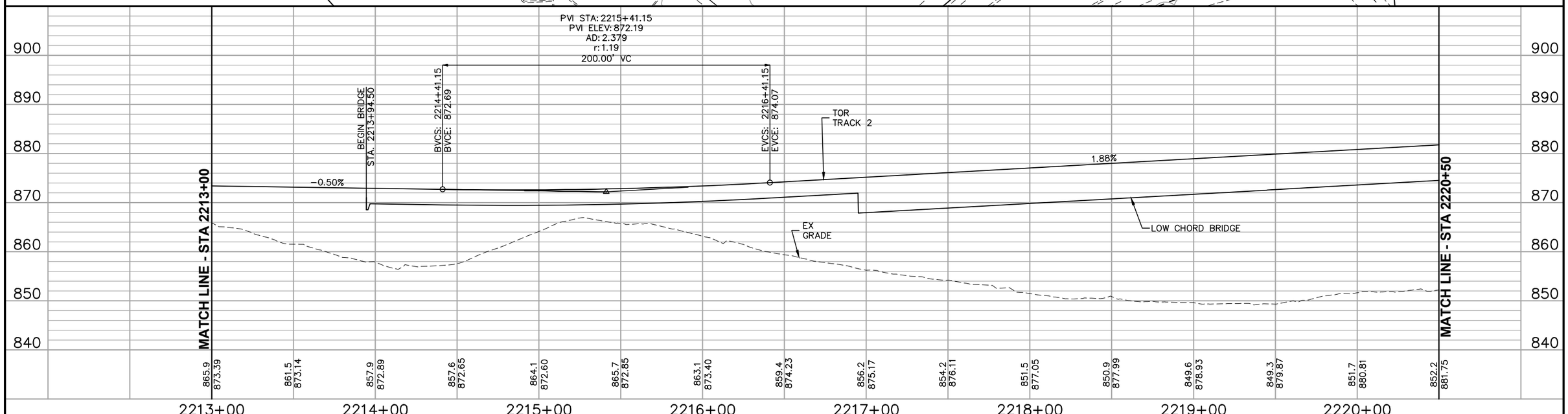
Lc = 175.99'
Ls = 80.00'
Ea = 2.25"
Eu = 1.88"
V = 25 MPH





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SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2213+00 TO STA 2220+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 002

SHEET 6 OF 43

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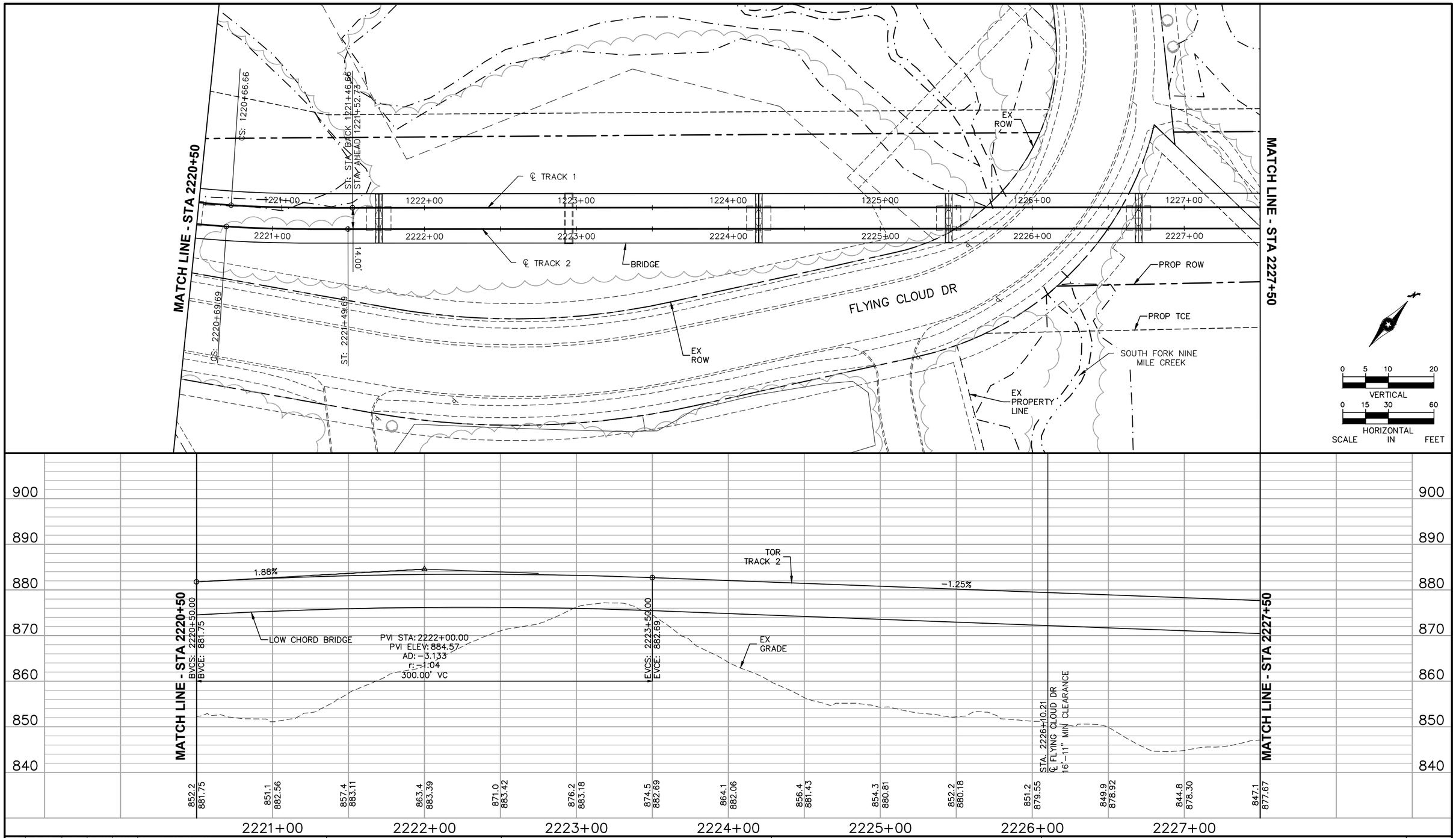

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SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2220+50 TO STA 2227+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 003

SHEET 7 OF 43

Jul, 21 2015 04:30 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV

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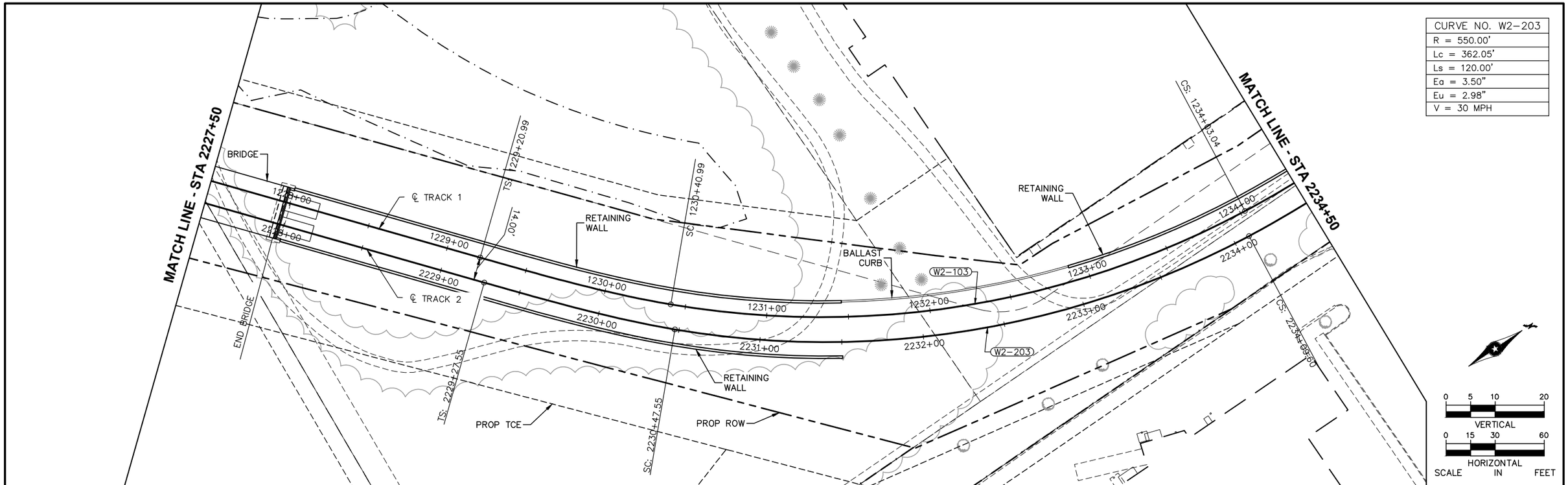
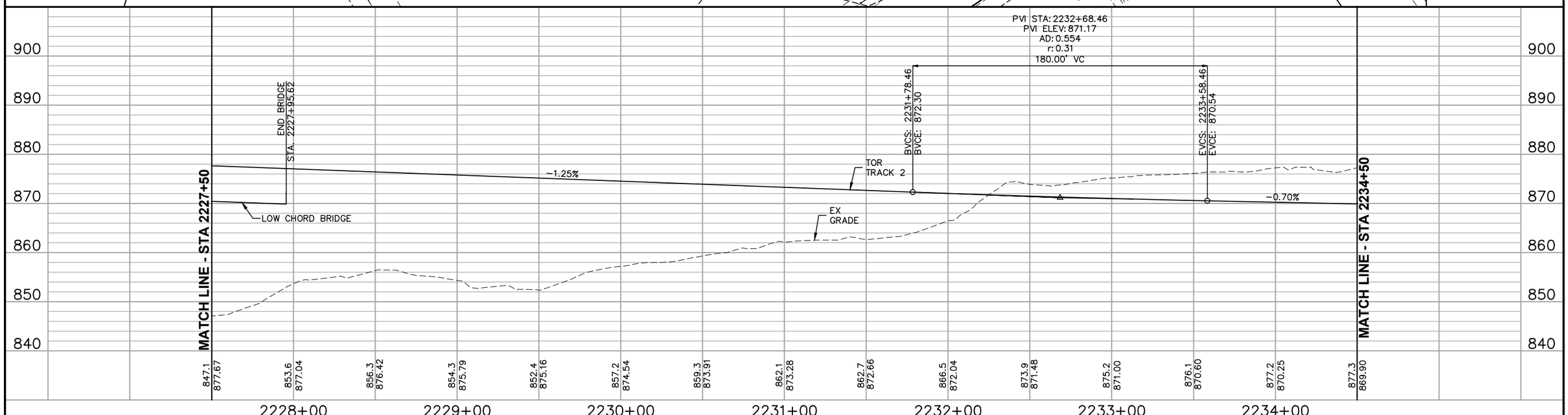
Ea = 3.50"
Eu = 2.98"
V = 30 MPH





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SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2227+50 TO STA 2234+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 004

SHEET 8 OF 43

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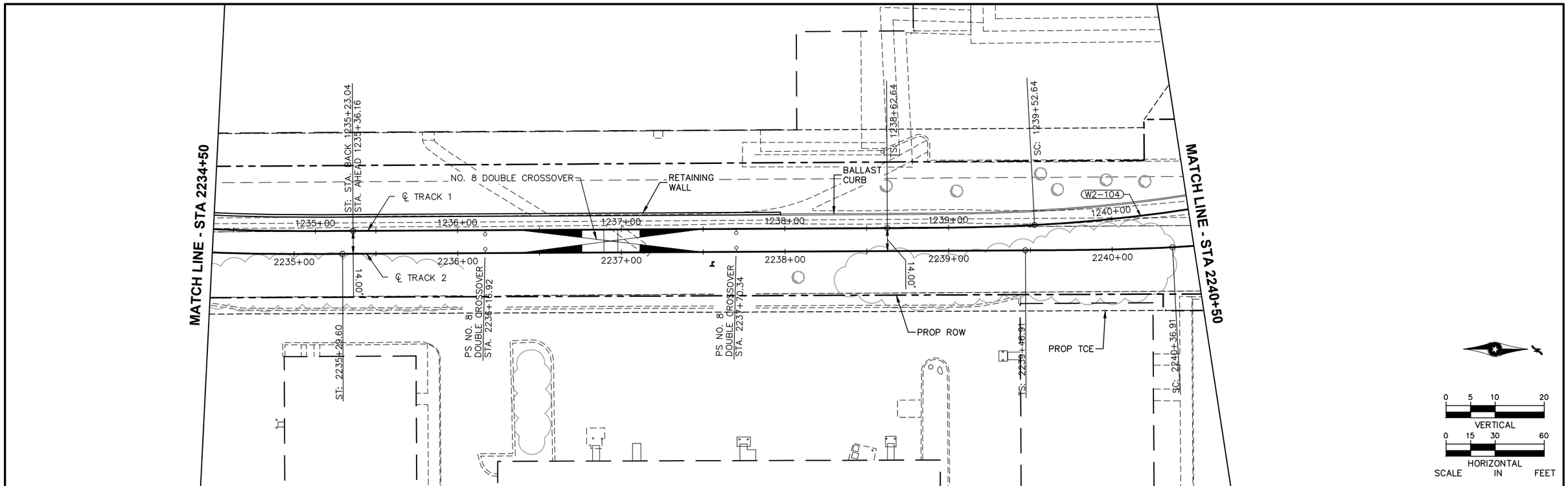

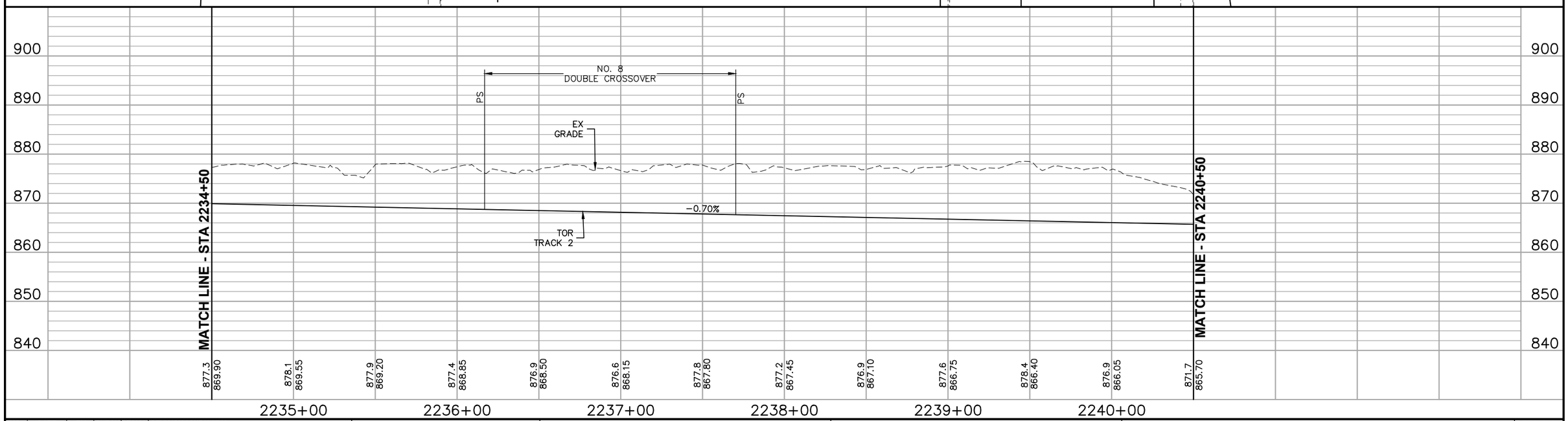

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2234+50 TO STA 2240+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 005

SHEET 9 OF 43

Jul, 21 2015 04:31 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV

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R = 950.00'
Lc = 98.95'
Ls = 90.00'
Ea = 1.00"
Eu = 2.75"
V = 30 MPH

CURVE NO. W2–205
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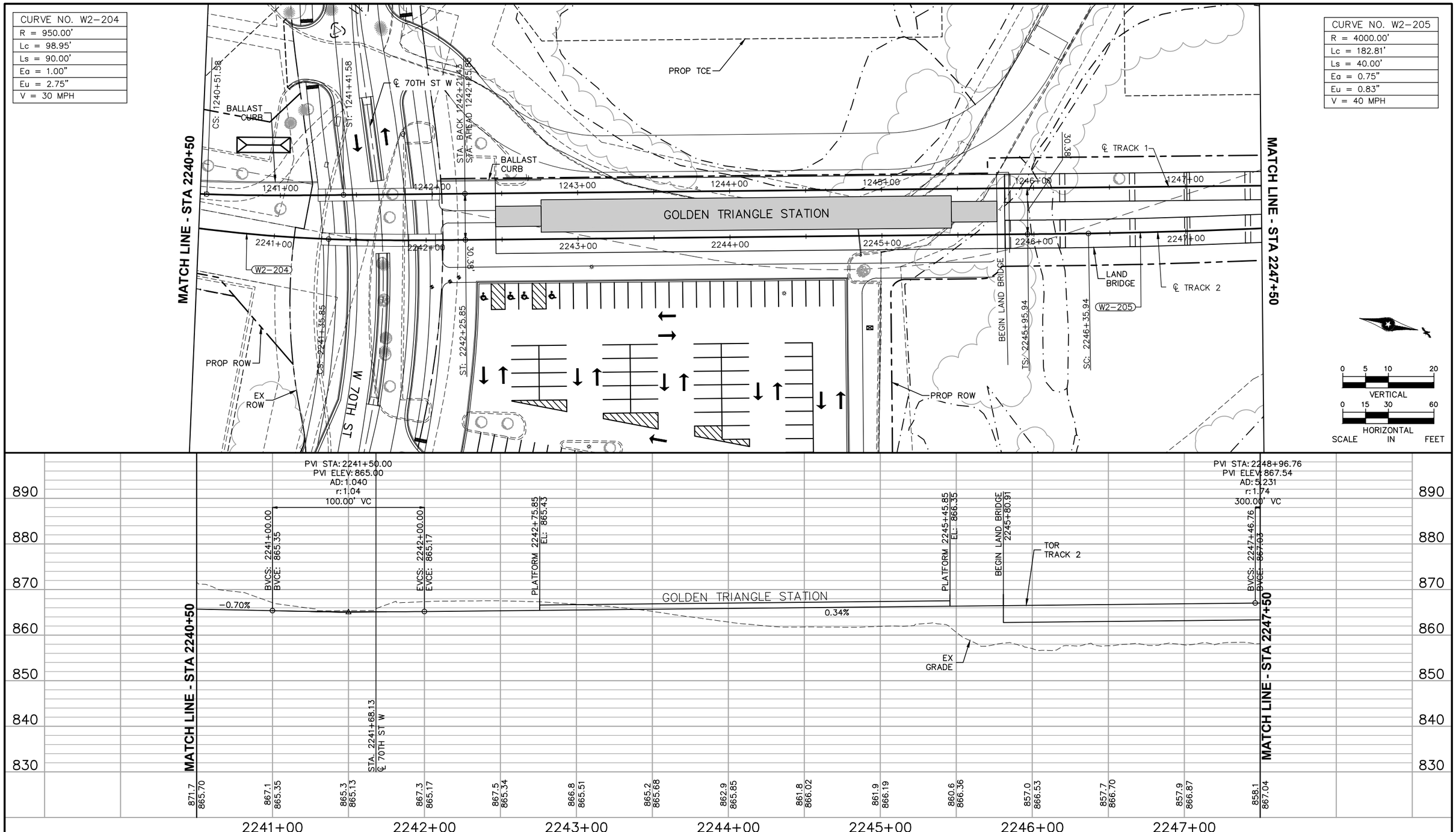
Lc = 182.81'
Ls = 40.00'
Ea = 0.75"
Eu = 0.83"
V = 40 MPH



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2240+50 TO STA 2247+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 006

SHEET 10 OF 43

Jul, 21 2015 04:32 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV

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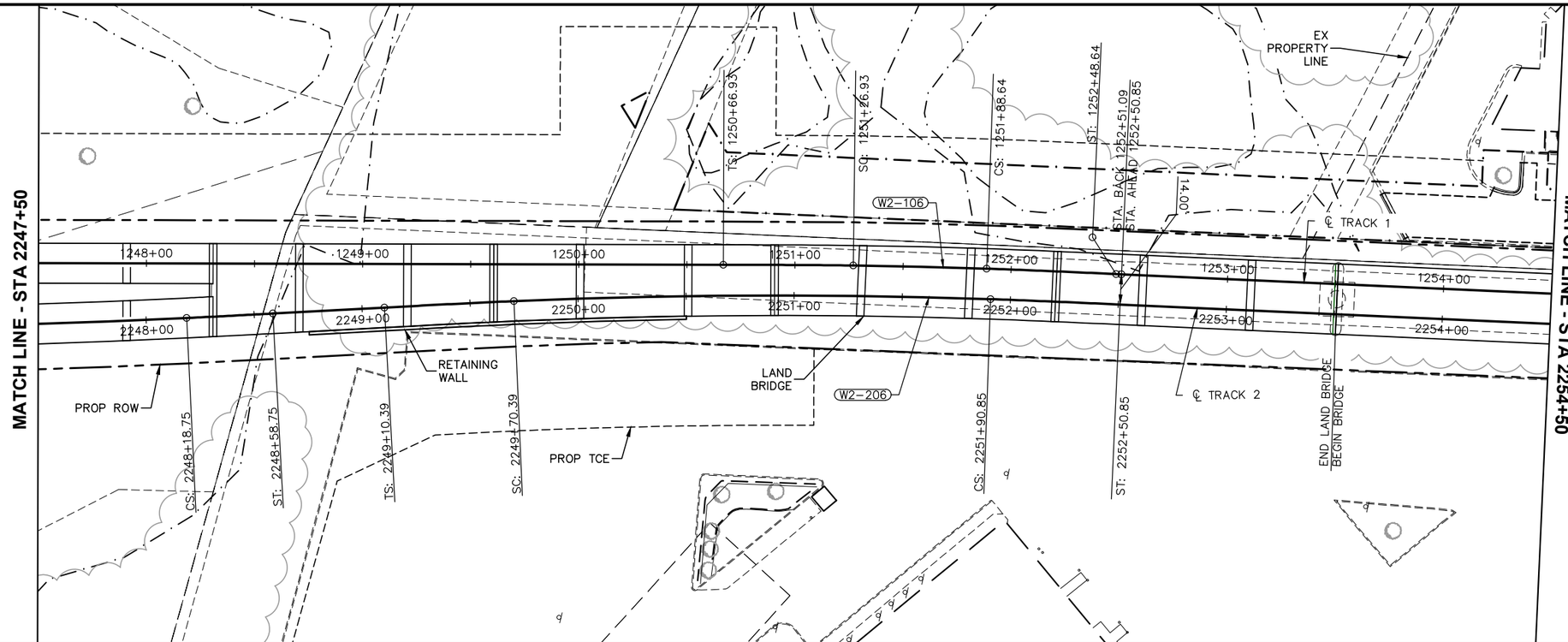

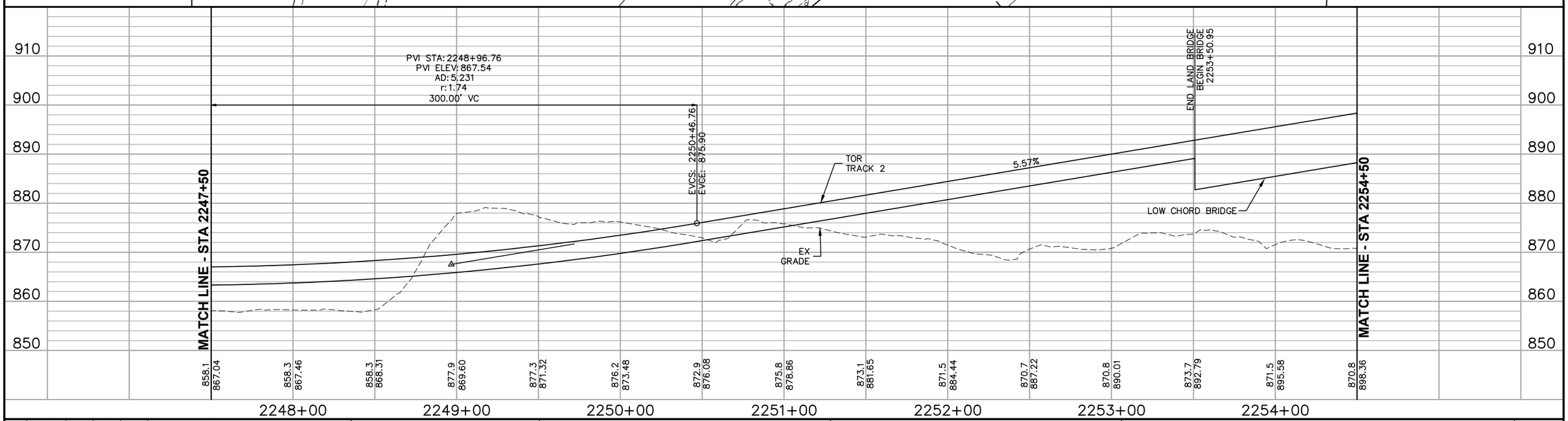

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

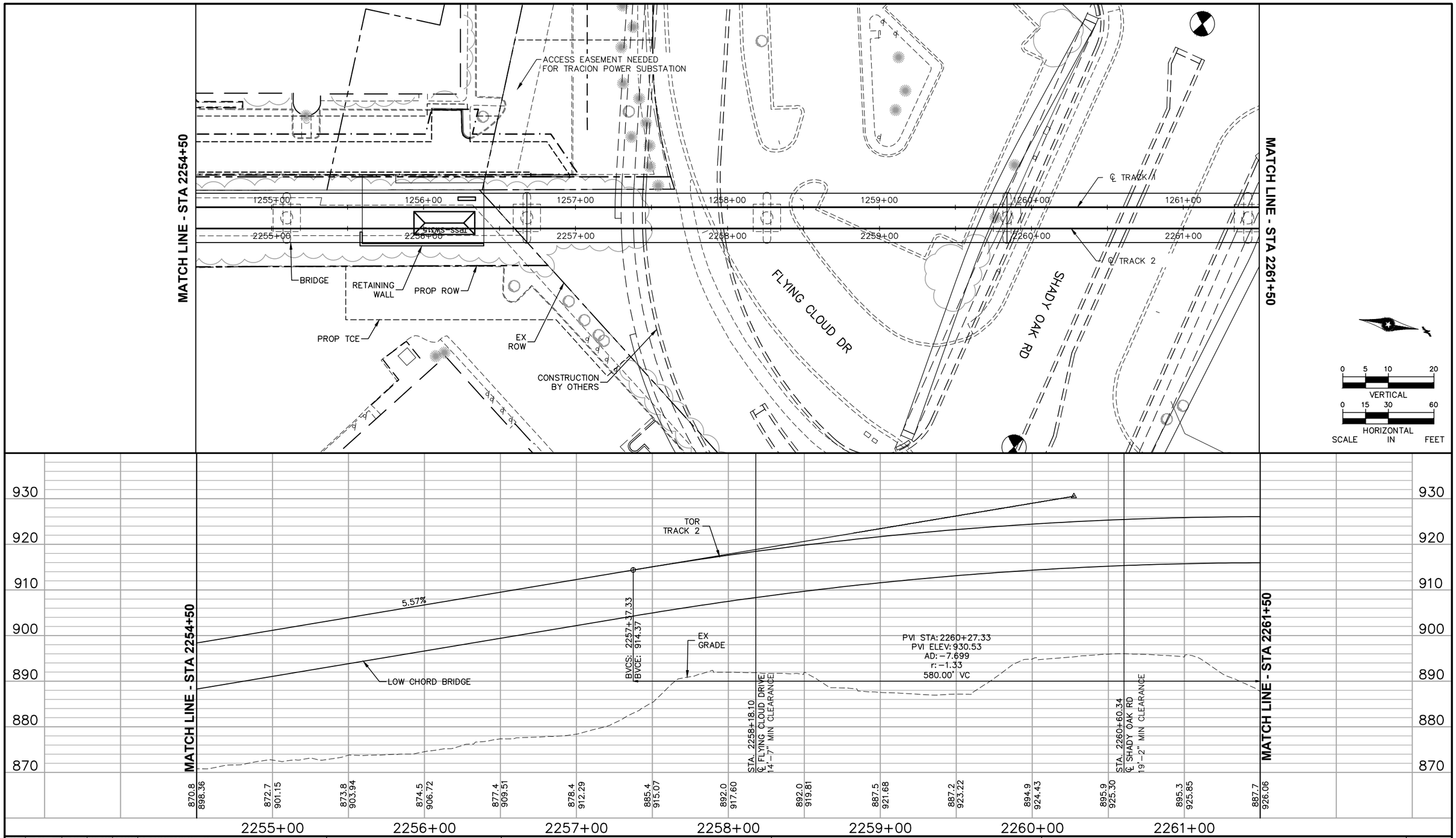
WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2247+50 TO STA 2254+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 007

SHEET 11 OF 43

Jul, 21 2015 04:33 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2254+50 TO STA 2261+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 008

SHEET 12 OF 43

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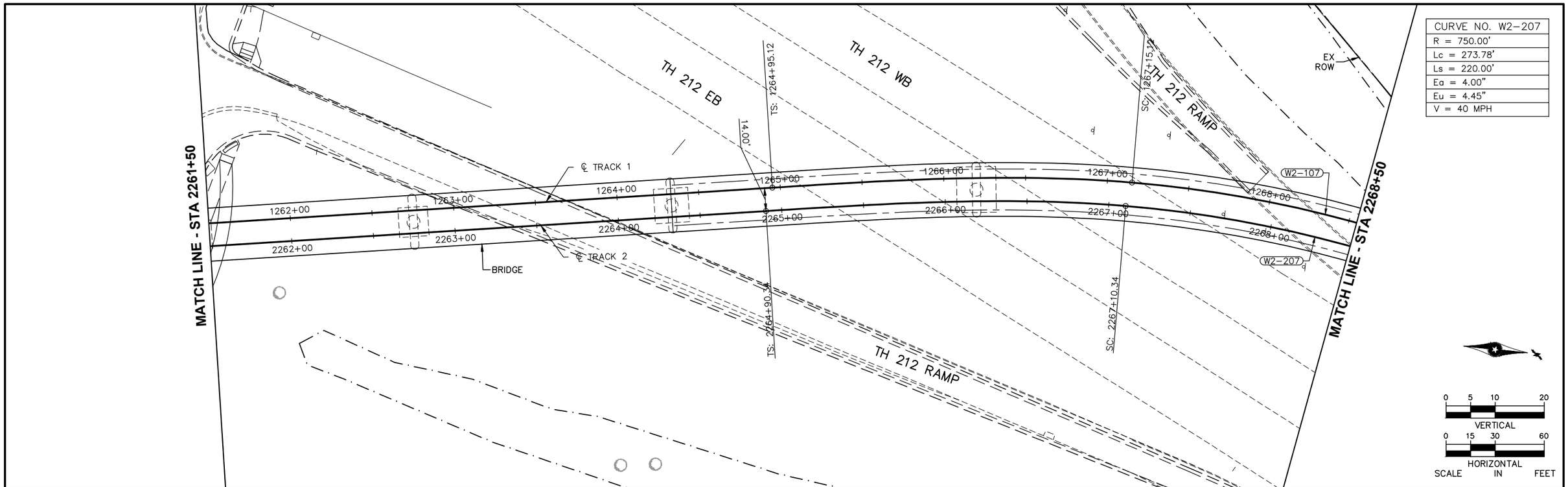

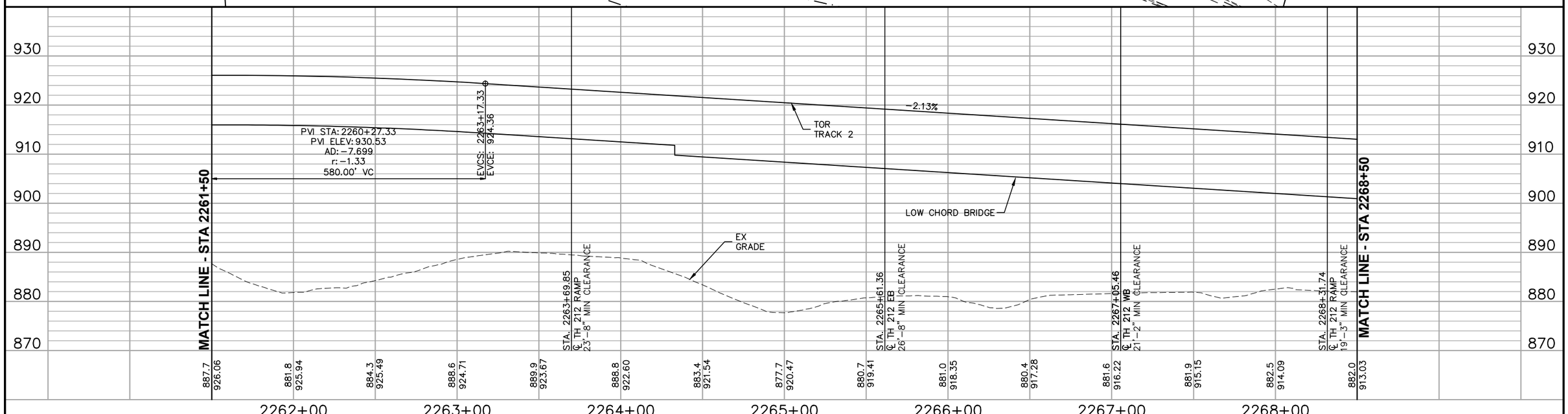

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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2261+50 TO STA 2268+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 009

SHEET 13 OF 43

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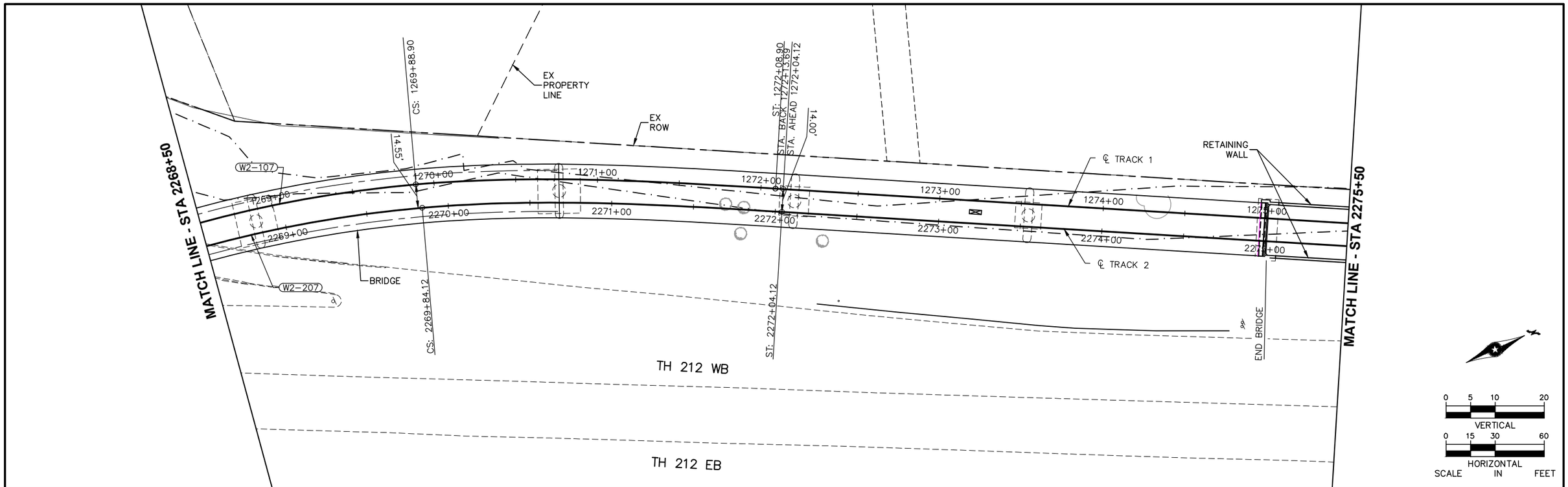

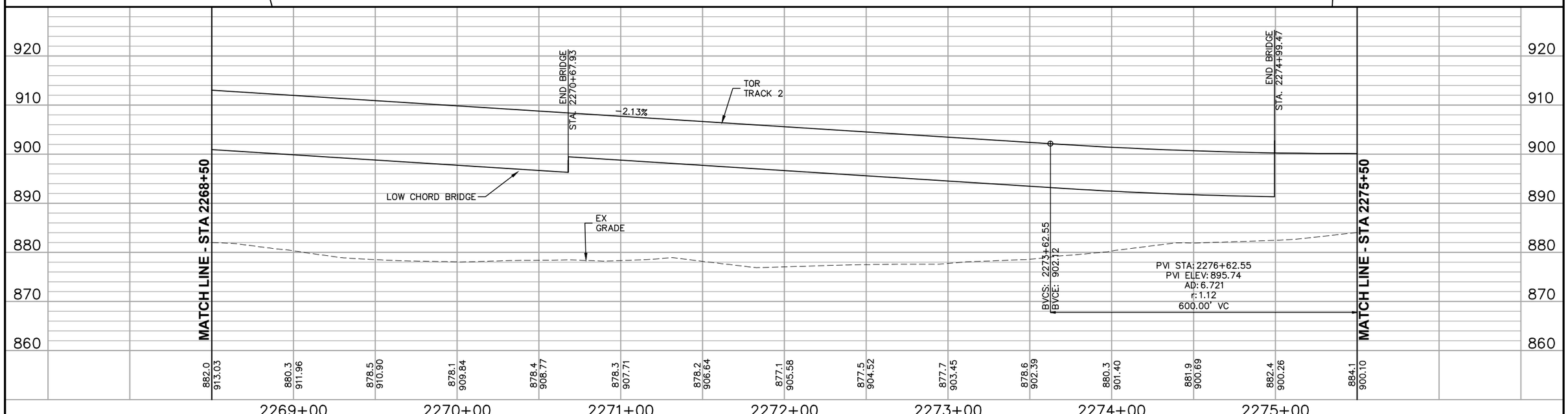

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AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

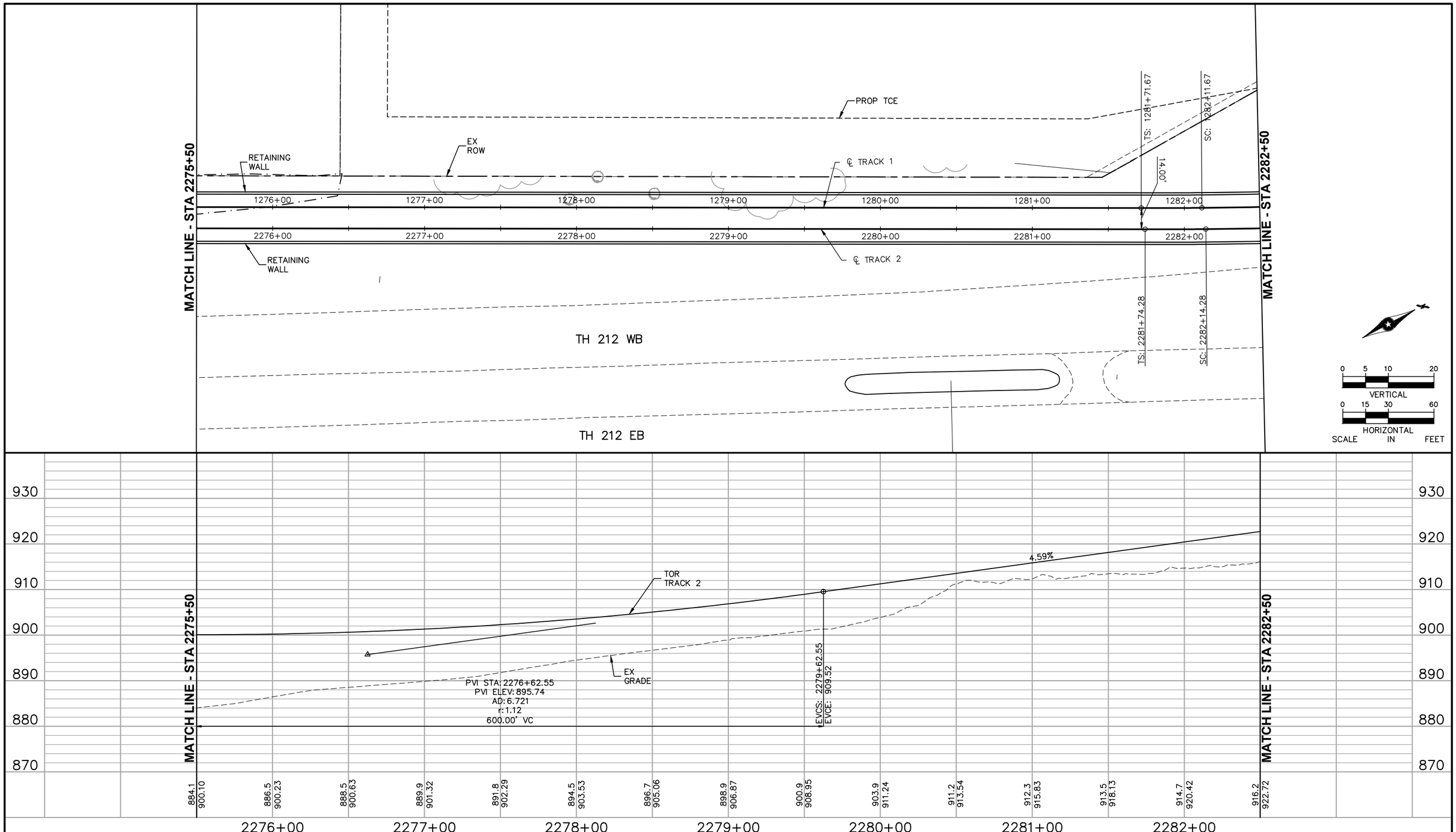
WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2268+50 TO STA 2275+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 010

SHEET 14 OF 43

Jul, 21 2015 04:35 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2275+50 TO STA 2282+50

DISCIPLINE: TRACK

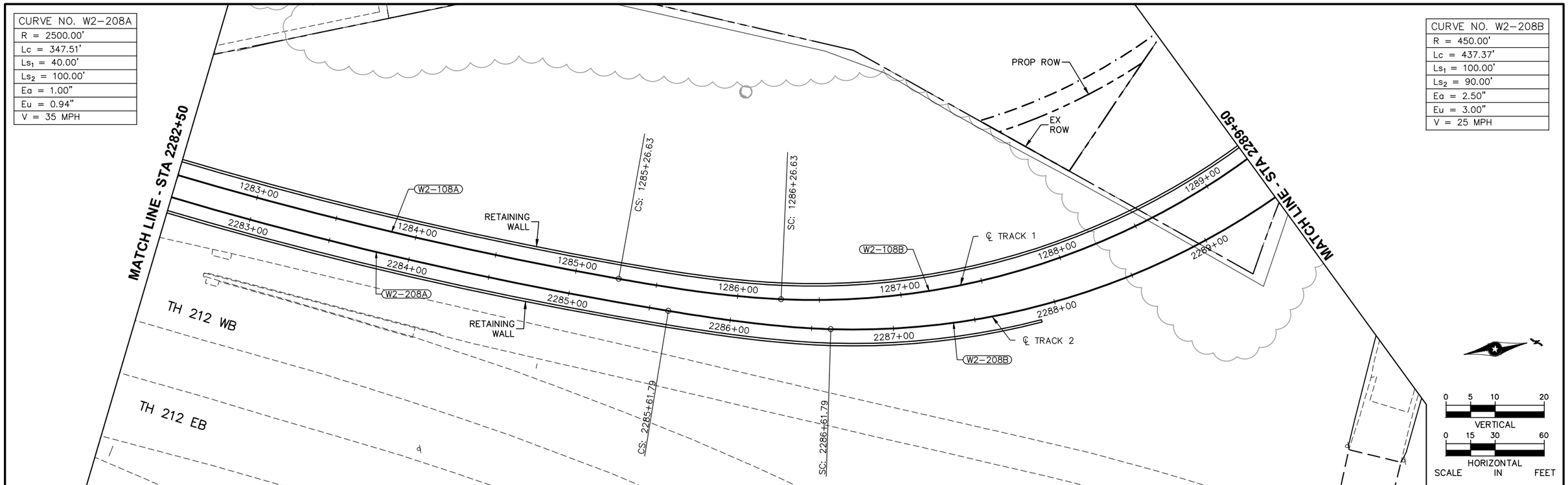
SHEET NAME: W2-TRK-PRF - 011

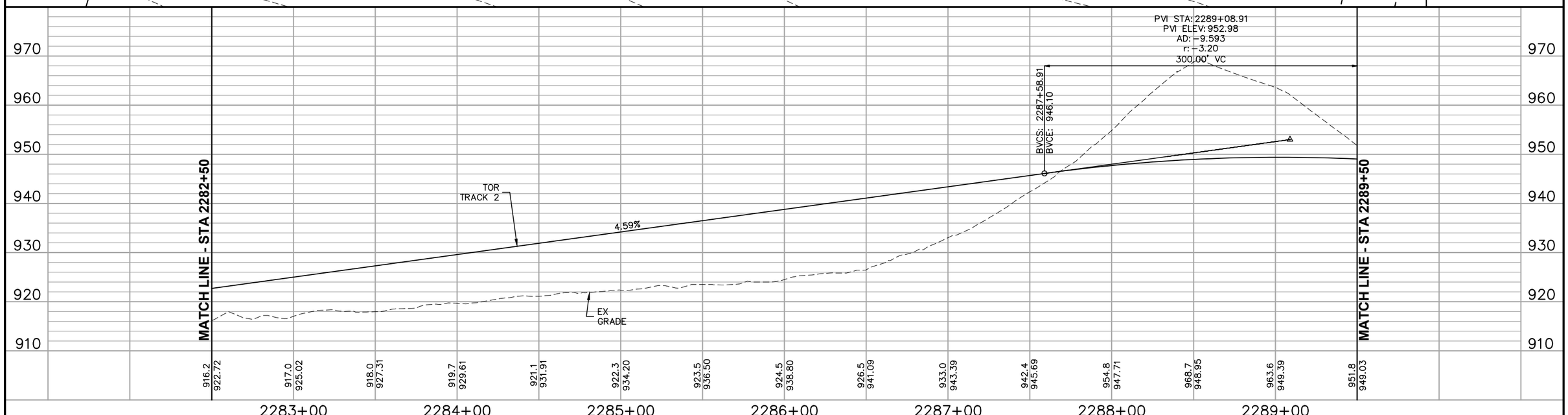
SHEET 15 OF 43

Jul, 21 2015 04:36 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV

CURVE NO. W2–208A
R = 2500.00'
Lc = 347.51'
Ls_1 = 40.00'
Ls_2 = 100.00'
Ea = 1.00"
Eu = 0.94"
V = 35 MPH

CURVE NO. W2–208B
R = 450.00'
Lc = 437.37'
Ls_1 = 100.00'
Ls_2 = 90.00'
Ea = 2.50"
Eu = 3.00"
V = 25 MPH





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

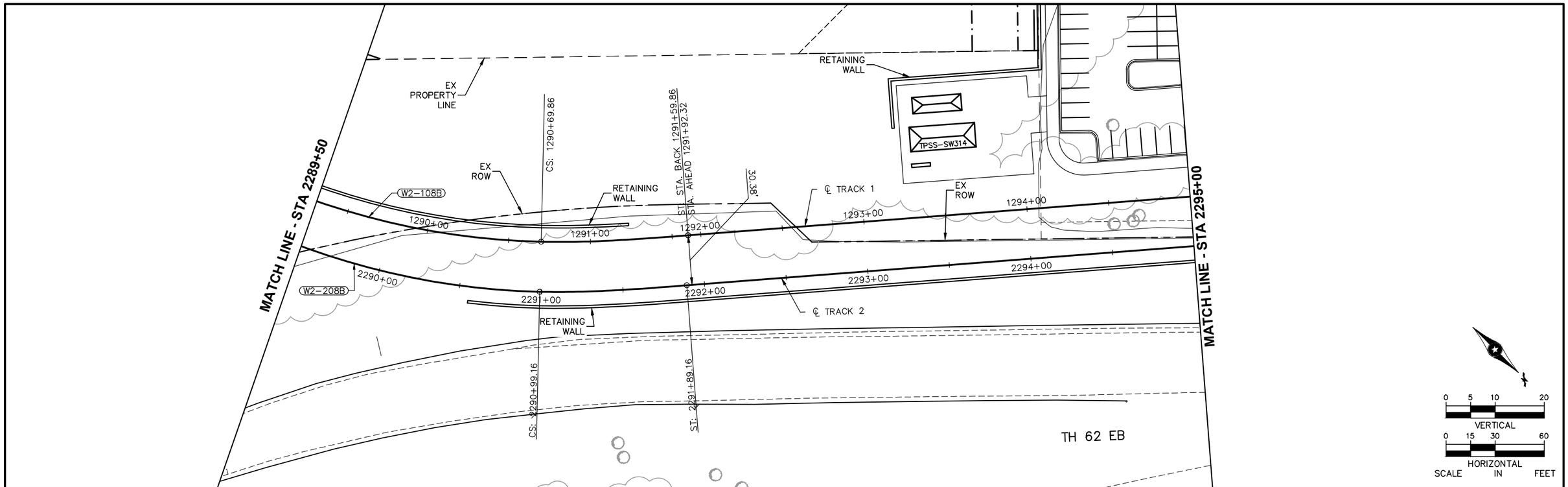
WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2282+50 TO STA 2289+50

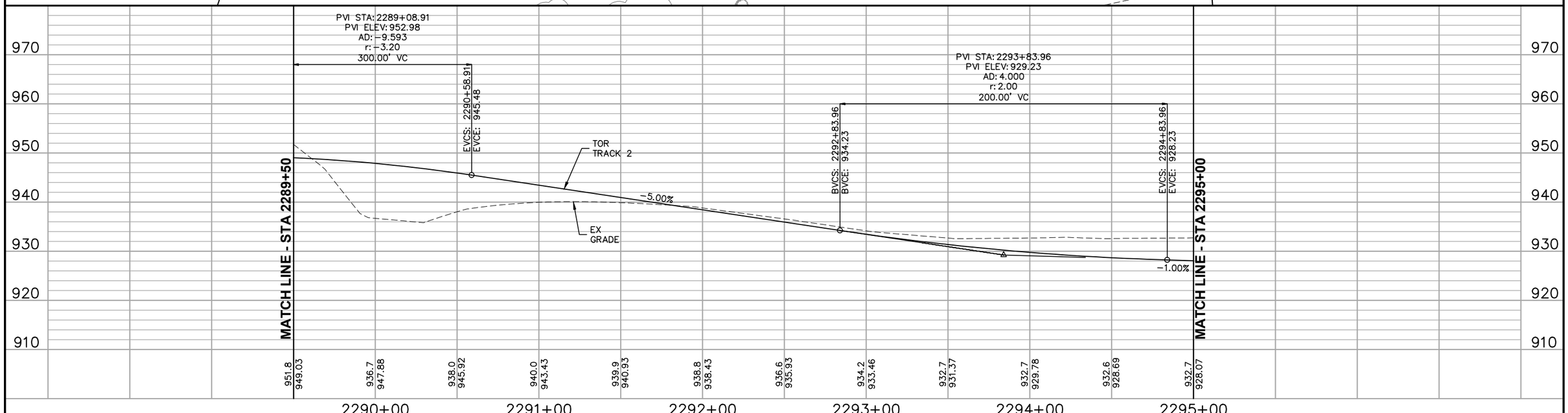
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 012

SHEET 16 OF 43

Jul. 21 2015 04:36 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

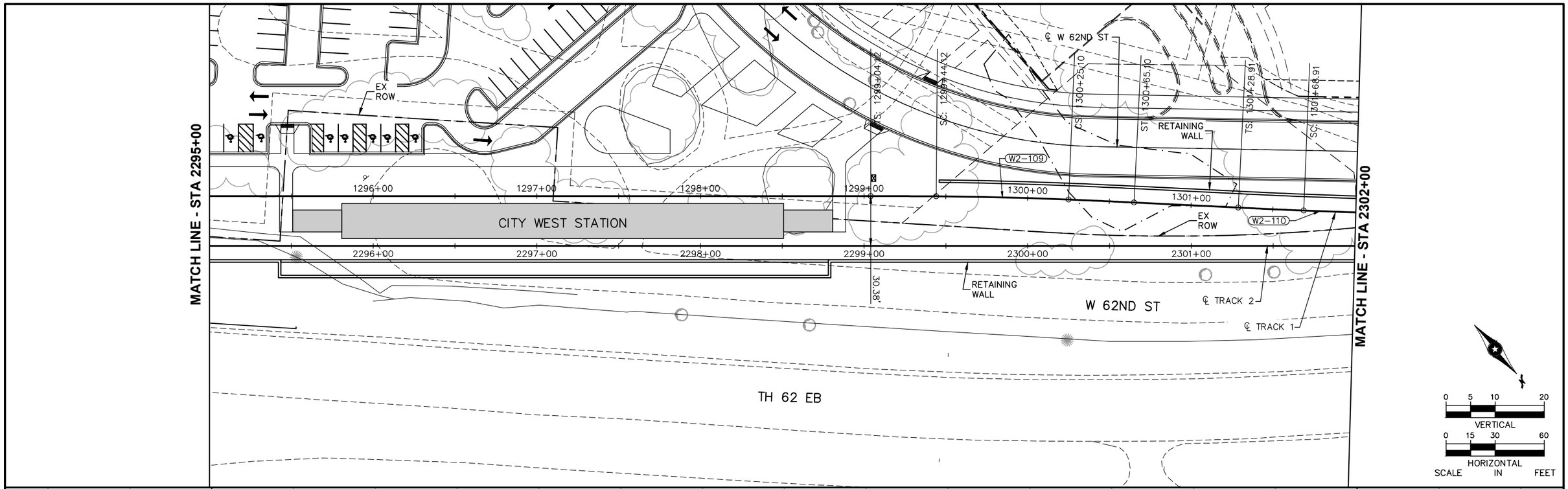
WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2289+50 TO STA 2295+00

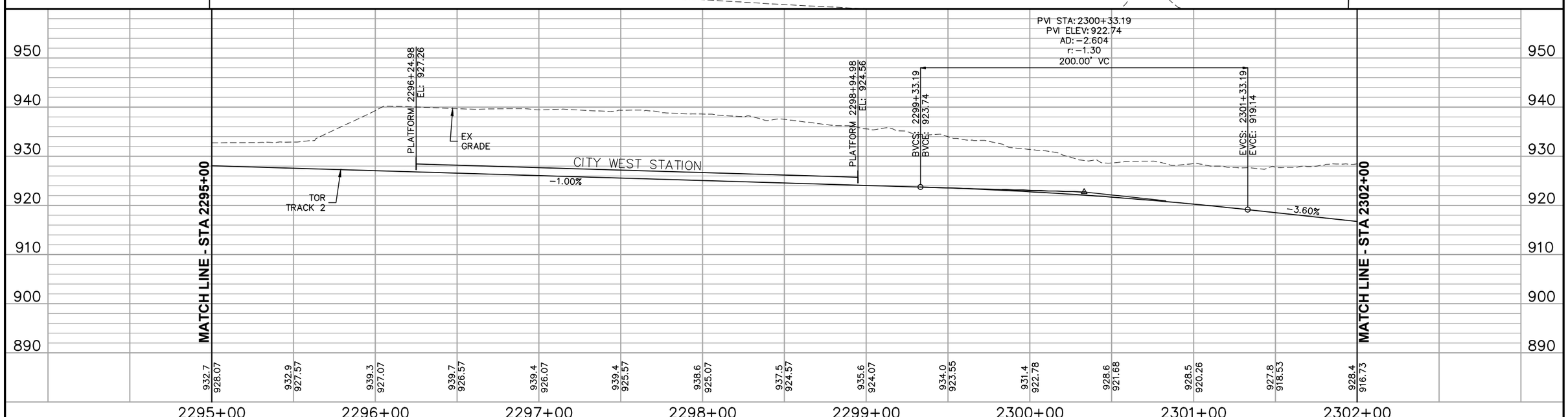
DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 013

SHEET 17 OF 43

Jul, 21 2015 04:37 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

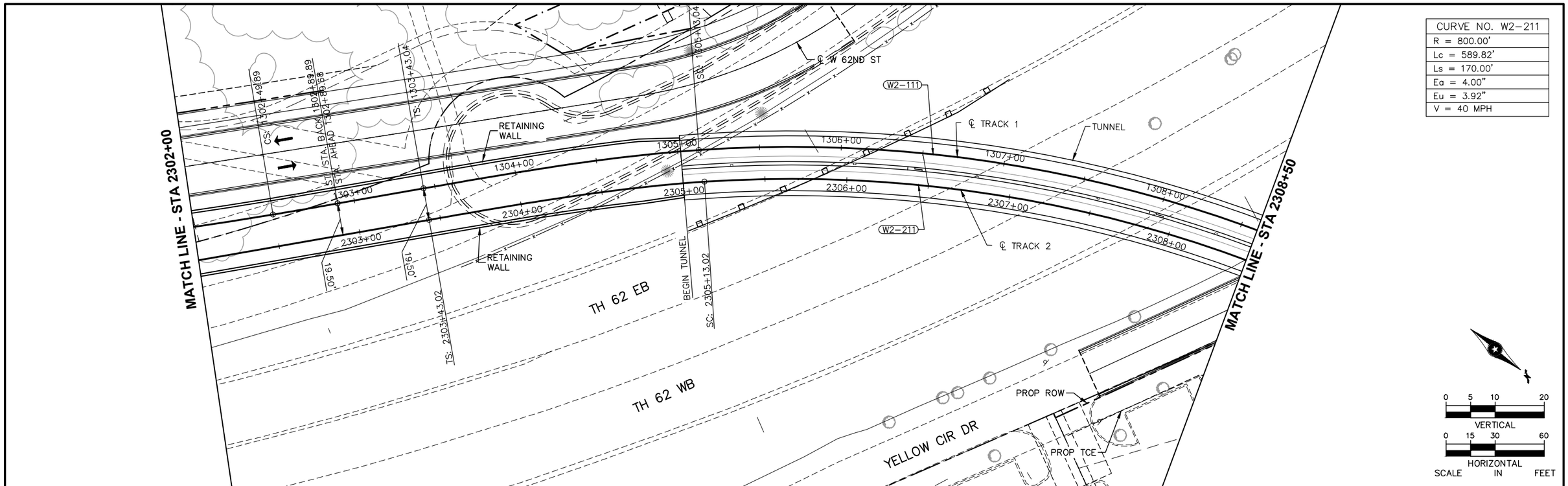
WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2295+00 TO STA 2302+00

DISCIPLINE: TRACK

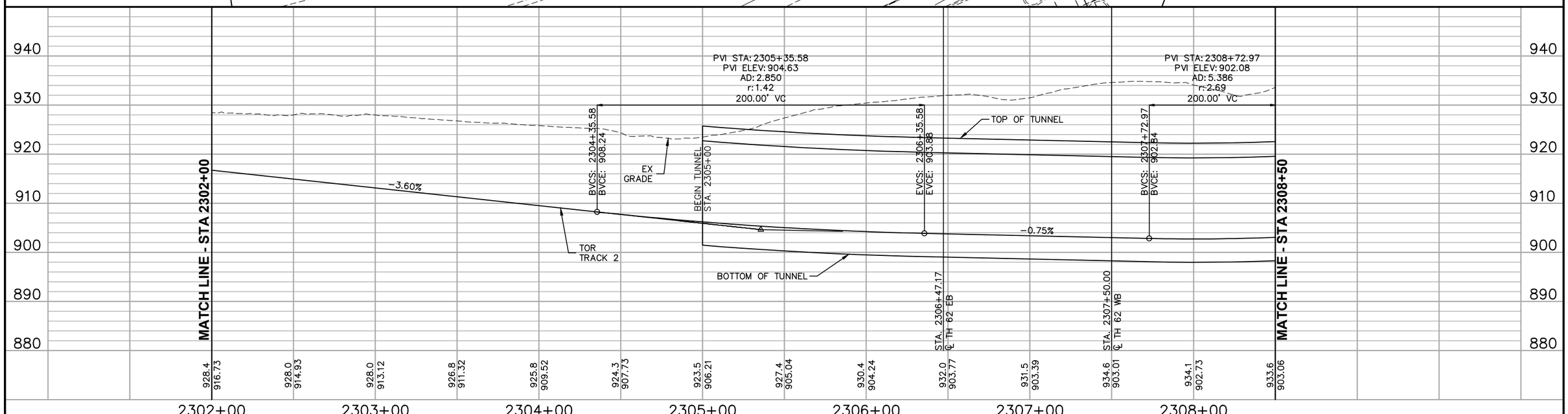
SHEET NAME: W2-TRK-PRF - 014

SHEET 18 OF 43

Jul. 21 2015 04:38 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboadV



CURVE NO. W2-211
R = 800.00'
Lc = 589.82'
Ls = 170.00'
Ea = 4.00"
Eu = 3.92"
V = 40 MPH



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

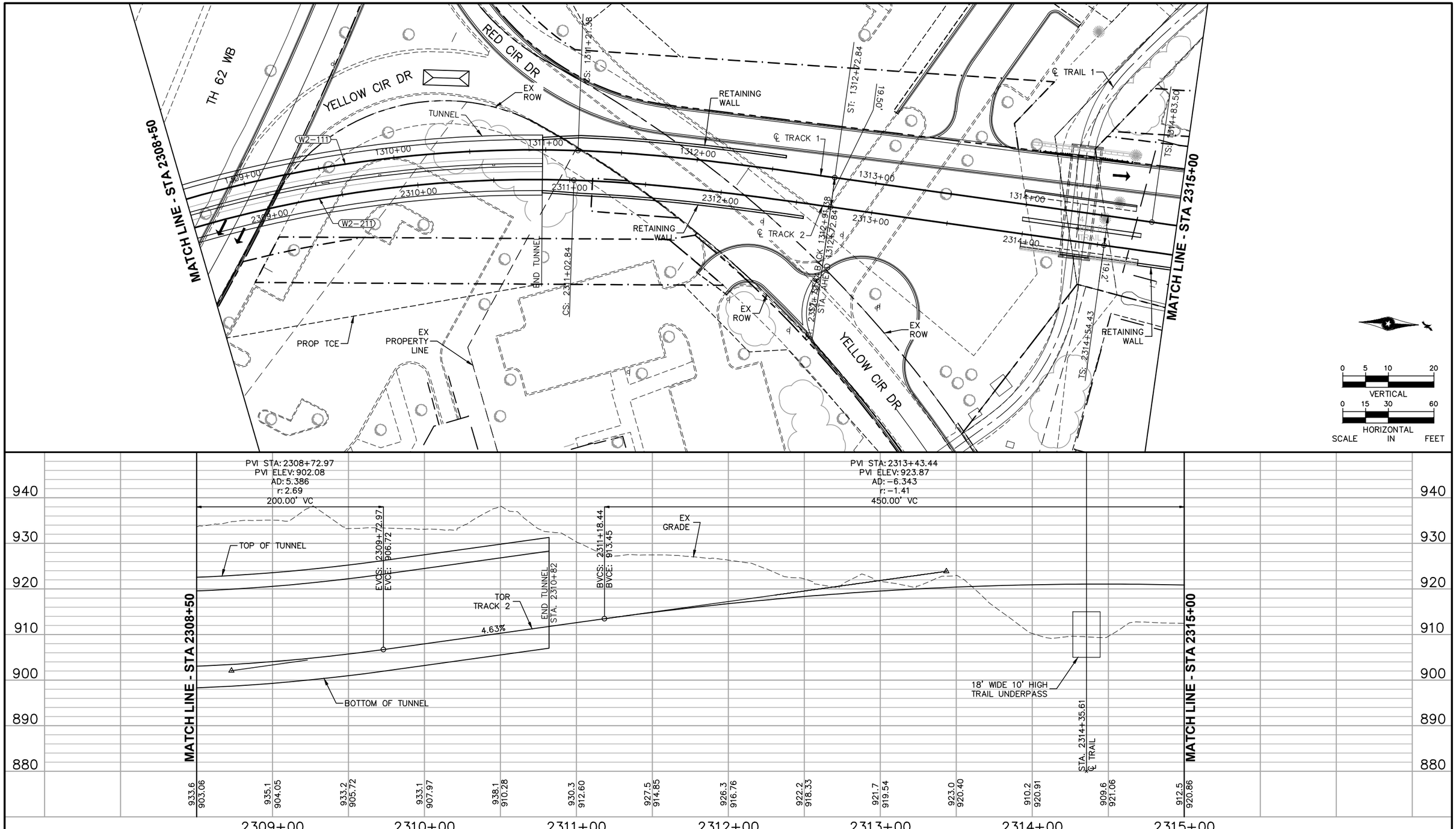
WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2302+00 TO STA 2308+50

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 015

SHEET 19 OF 43

Jul, 21 2015 04:39 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2308+50 TO STA 2315+00

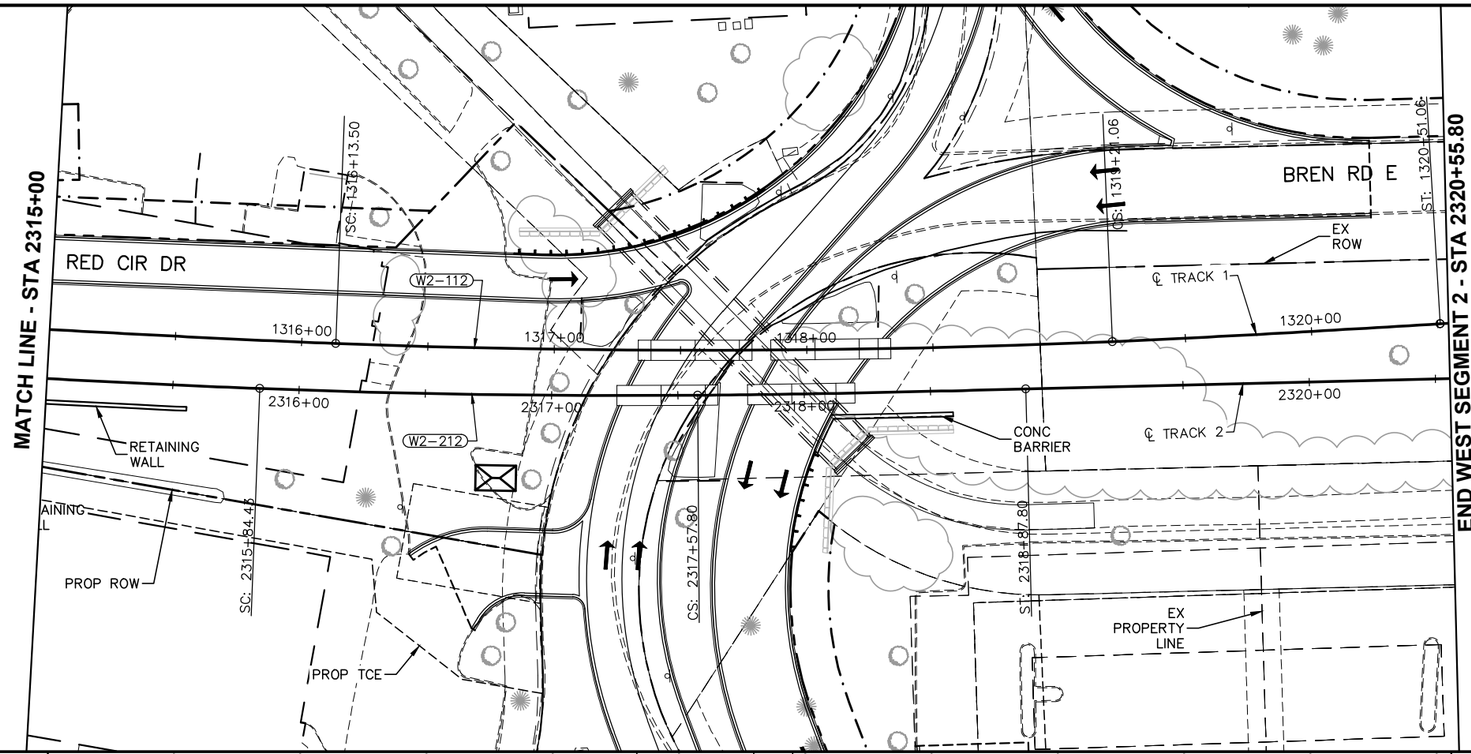
DISCIPLINE: TRACK

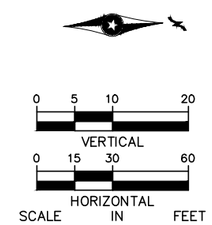
SHEET NAME: W2-TRK-PRF - 016

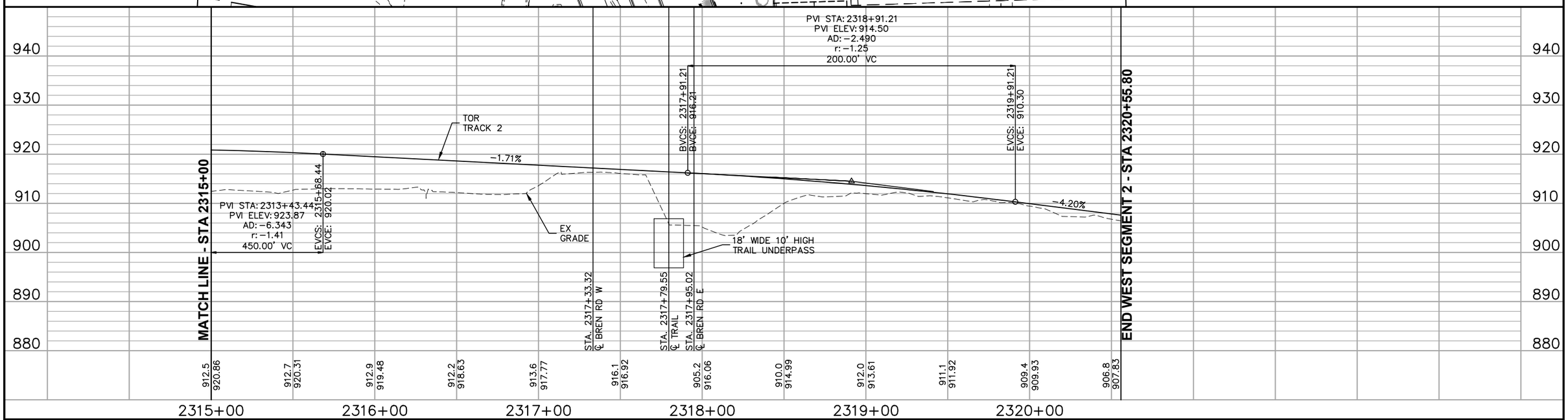
SHEET 20 OF 43

Jul. 21 2015 04:39 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV

CURVE NO. W2–212
R = 3800.00'
Lc = 173.37'
Ls = 130.00'
Eq = 1.00"
Eu = 2.15"
V = 55 MPH







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

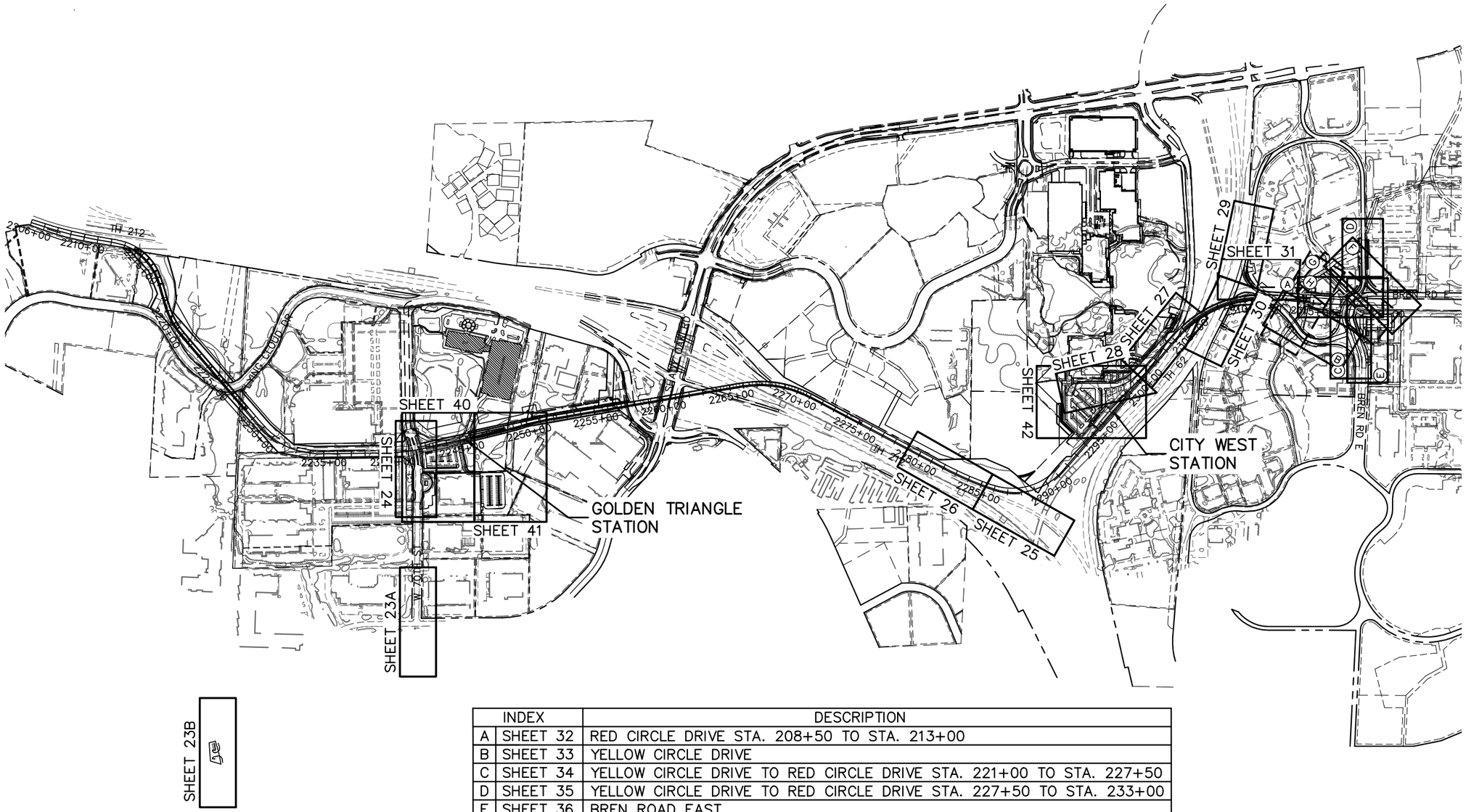
WEST SEGMENT 2
TRACK
PLAN AND PROFILE
STA 2315+00 TO STA 2320+55.80

DISCIPLINE: TRACK

SHEET NAME: W2-TRK-PRF - 017

SHEET 21 OF 43

Jul, 21 2015 04:40 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\TRACK\W2-TRK-PRF-MC.dwg By: V-RaboodV



INDEX		DESCRIPTION
A	SHEET 32	RED CIRCLE DRIVE STA. 208+50 TO STA. 213+00
B	SHEET 33	YELLOW CIRCLE DRIVE
C	SHEET 34	YELLOW CIRCLE DRIVE TO RED CIRCLE DRIVE STA. 221+00 TO STA. 227+50
D	SHEET 35	YELLOW CIRCLE DRIVE TO RED CIRCLE DRIVE STA. 227+50 TO STA. 233+00
E	SHEET 36	BREN ROAD EAST
F	SHEET 37	BREN ROAD EAST TO RED CIRCLE DRIVE
G	SHEET 38	TRAIL 1
H	SHEET 39	TRAIL 2

0 200 400 800
HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
CIVIL
SHEET LAYOUT INDEX

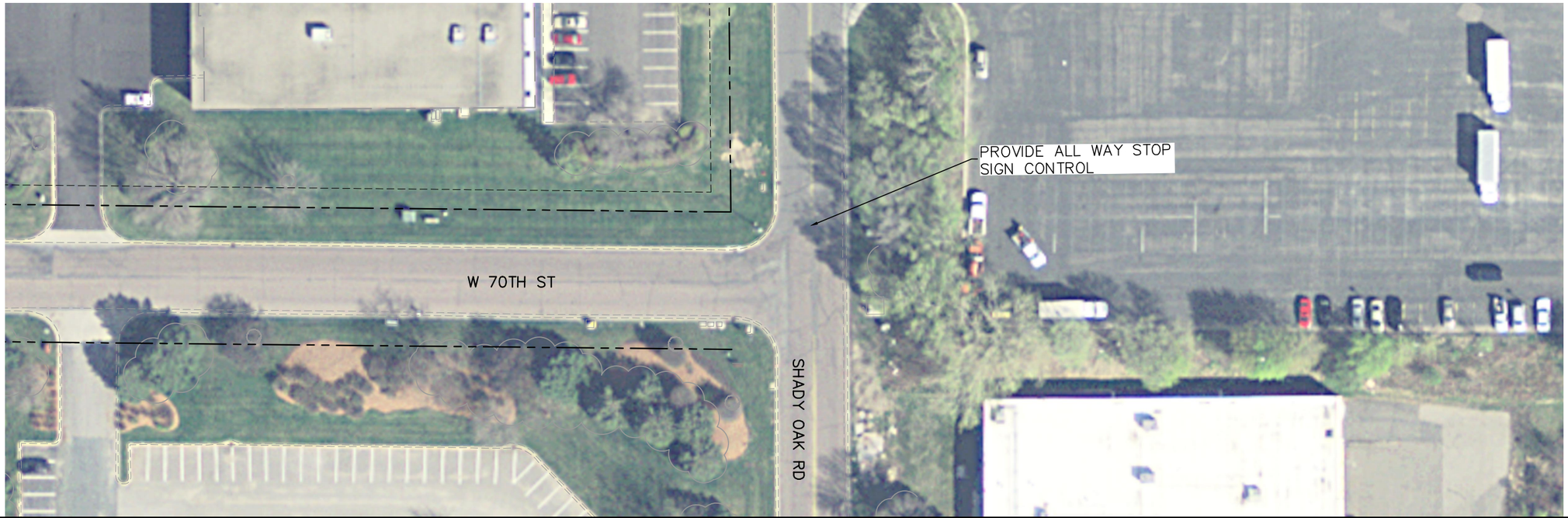
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-IDX-001

SHEET 22 OF 43

Jul, 21 2015 05:52 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-IDX.dwg By: msobiech

A



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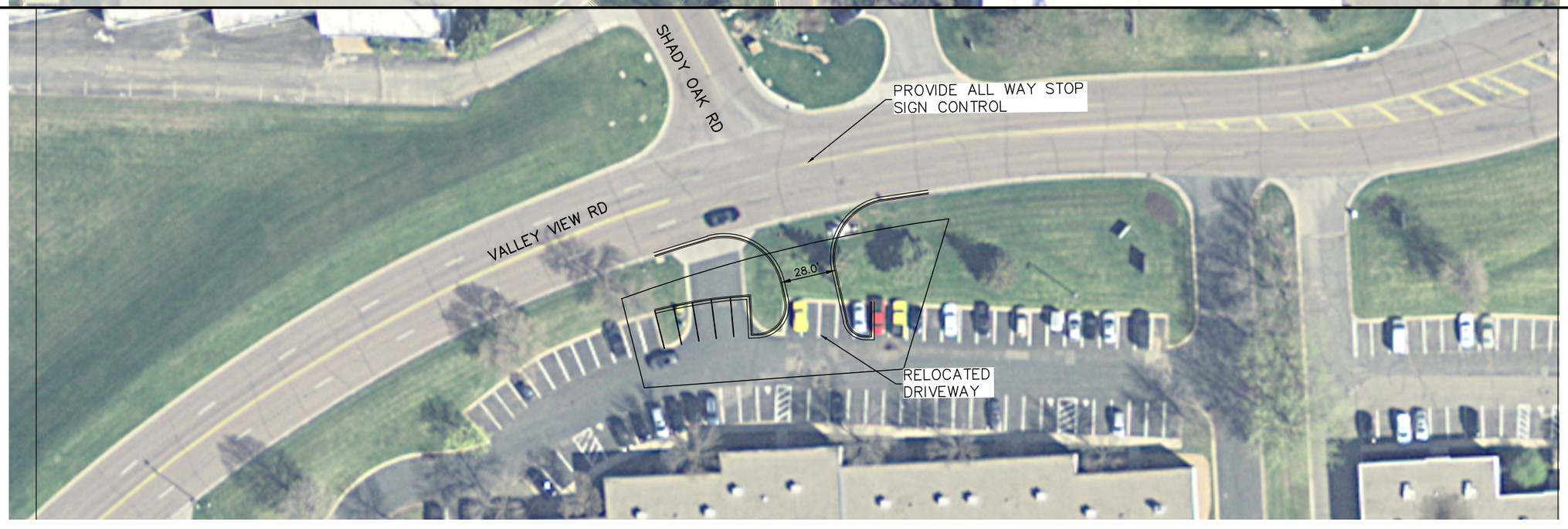
HORIZONTAL
SCALE IN FEET

B



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HORIZONTAL
SCALE IN FEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL SOUTHWEST Green Line LRT Extension

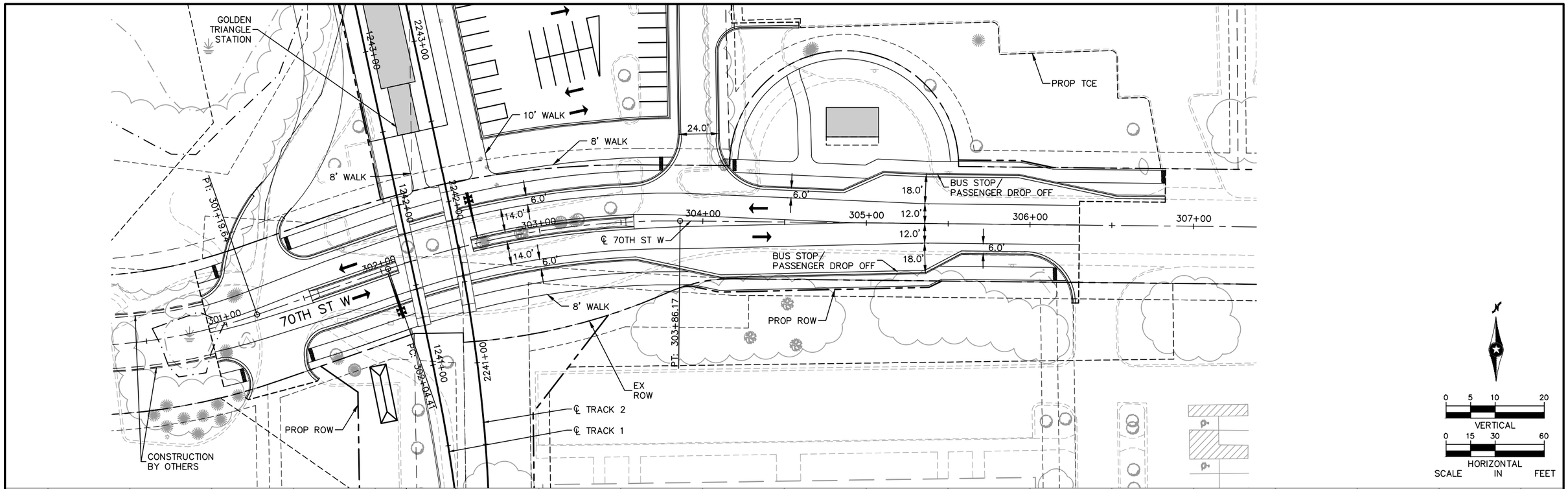
WEST SEGMENT 2
70TH STREET AT SHADY OAK ROAD
VALLEY VIEW ROAD AT SHADY OAK ROAD
PLAN

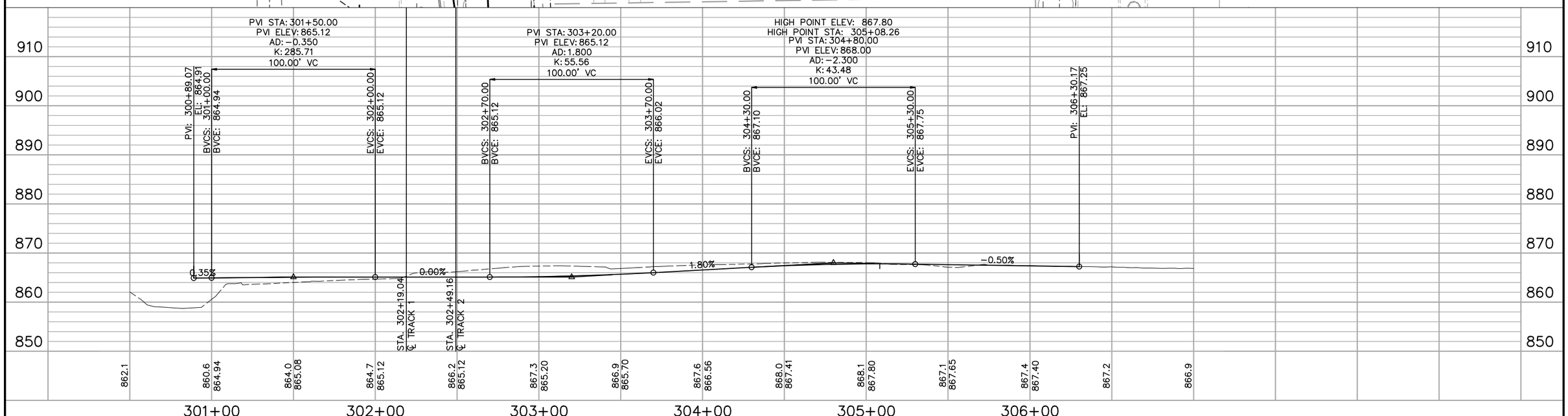
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-AERIAL-002

SHEET 23 OF 43

Jul, 21 2015 05:53 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF-AERIAL.dwg By: msobiech





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
70TH STREET WEST
PLAN AND PROFILE
STA. 300+50 TO STA. 307+00

DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-003

SHEET 24 OF 43

Jul, 21 2015 05:54 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

SHEET NOT USED

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
SHEET NOT USED

DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-008

SHEET 25 OF 43

Jul, 22 2015 07:58 am V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: kmcclement

SHEET NOT USED

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

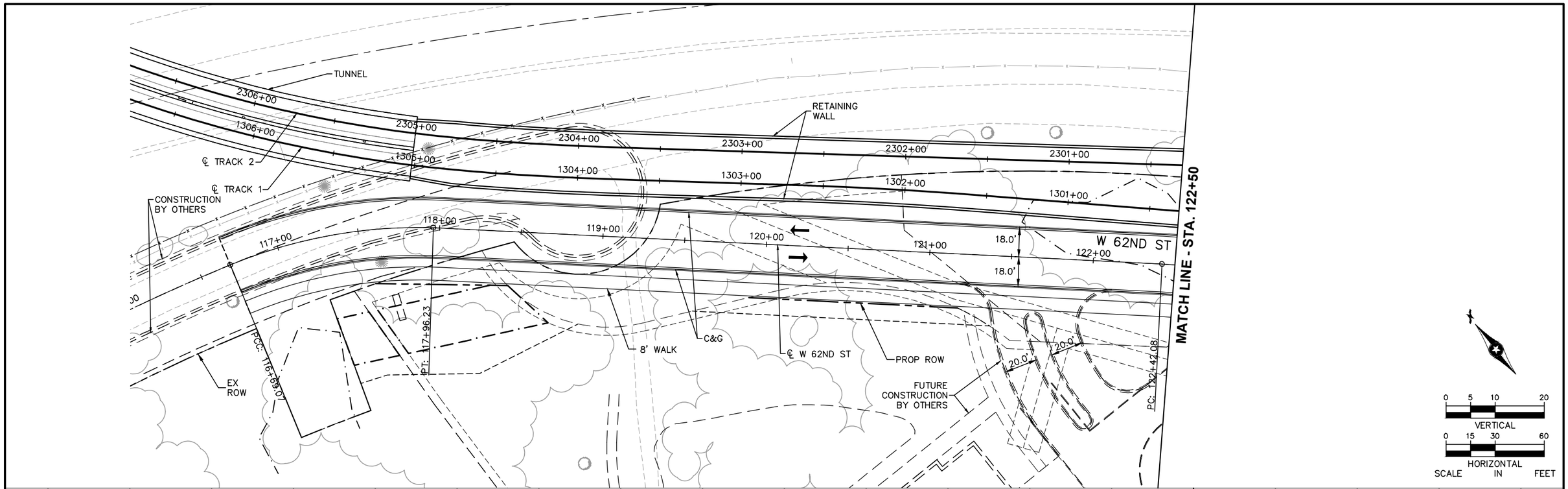
WEST SEGMENT 2
SHEET NOT USED

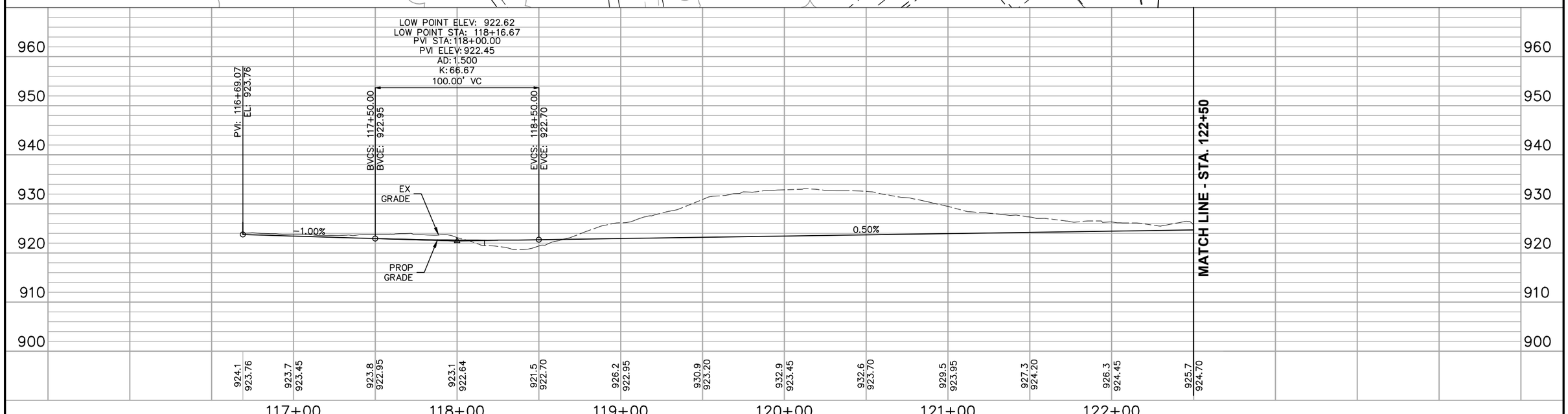
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-007

SHEET 26 OF 43

Jul, 22 2015 07:58 am V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: kmcclement





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

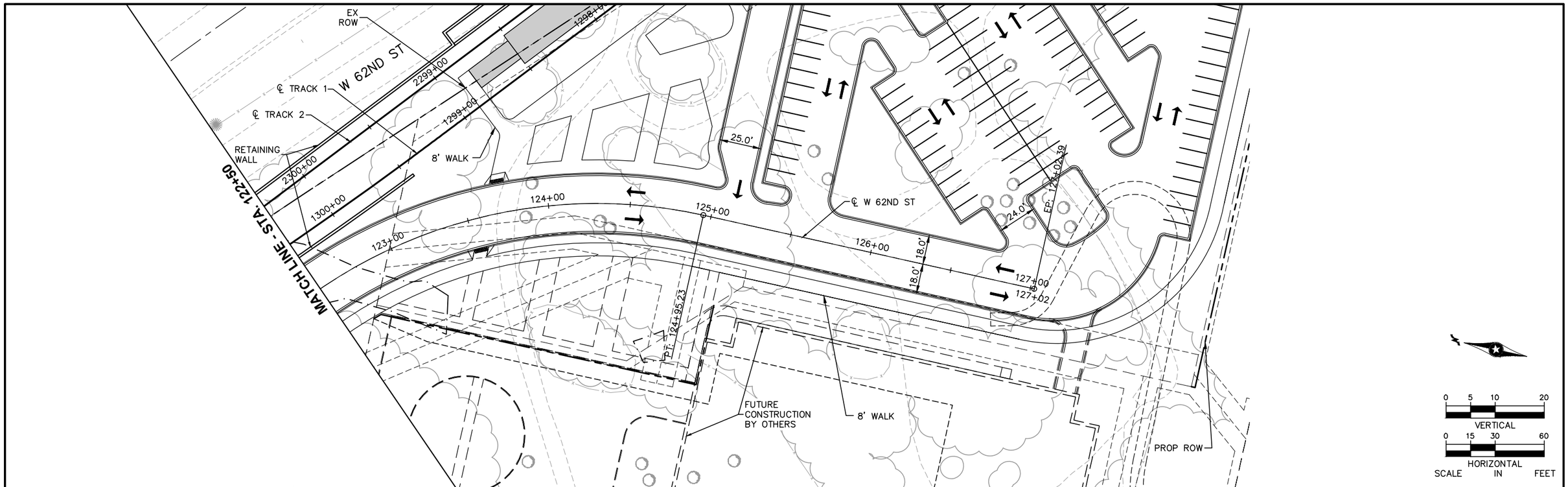
WEST SEGMENT 2
WEST 62ND STREET
PLAN AND PROFILE
STA. 116+69 TO STA. 122+50

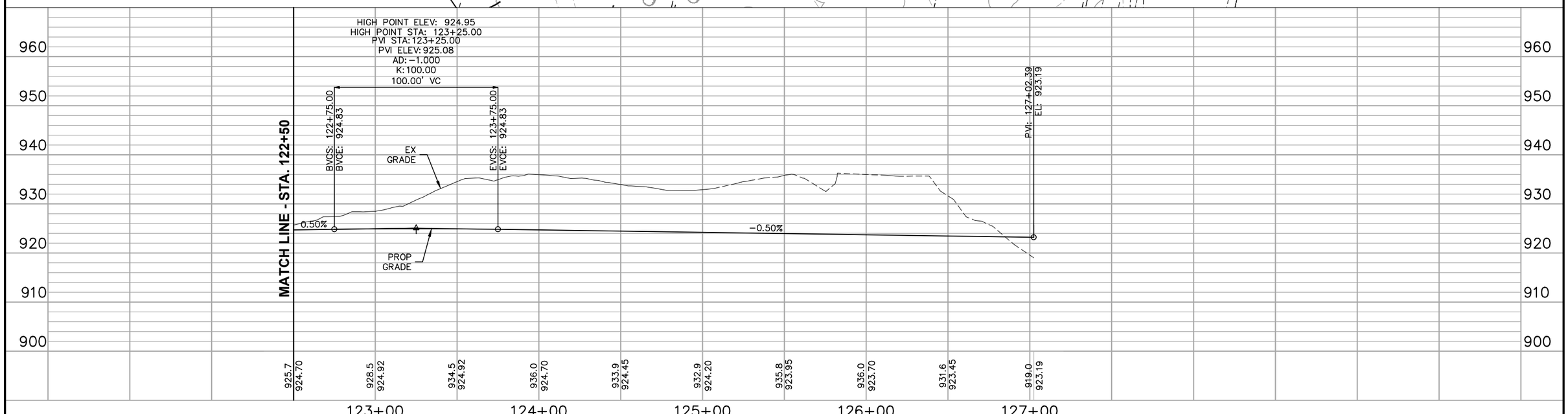
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-010

SHEET 27 OF 43

Jul, 21 2015 05:56 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech





NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
WEST 62ND STREET
PLAN AND PROFILE
STA. 122+50 TO STA. 127+03

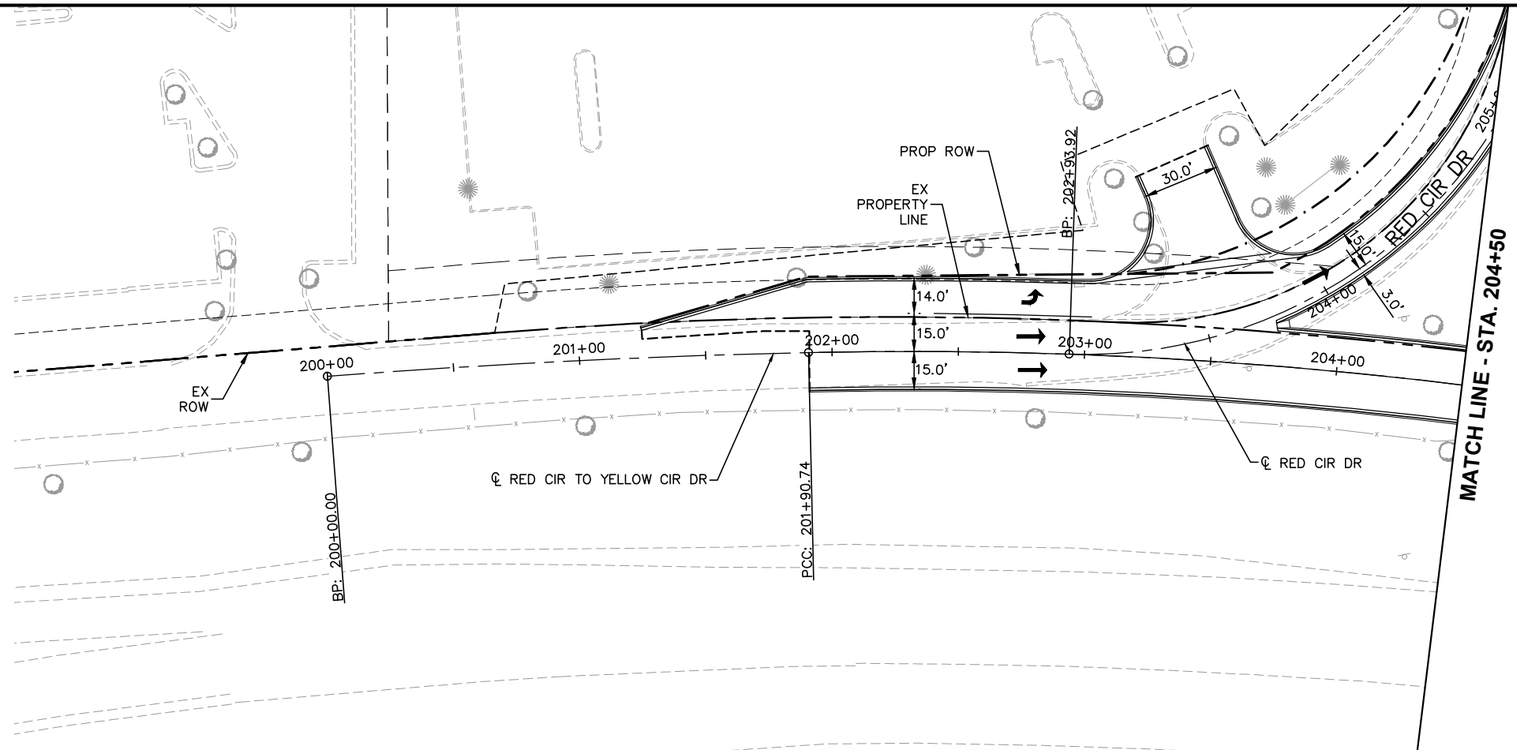
DISCIPLINE: CIVIL

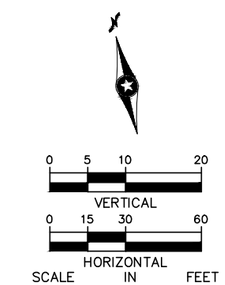
SHEET NAME: W2-CIV-PRF-011

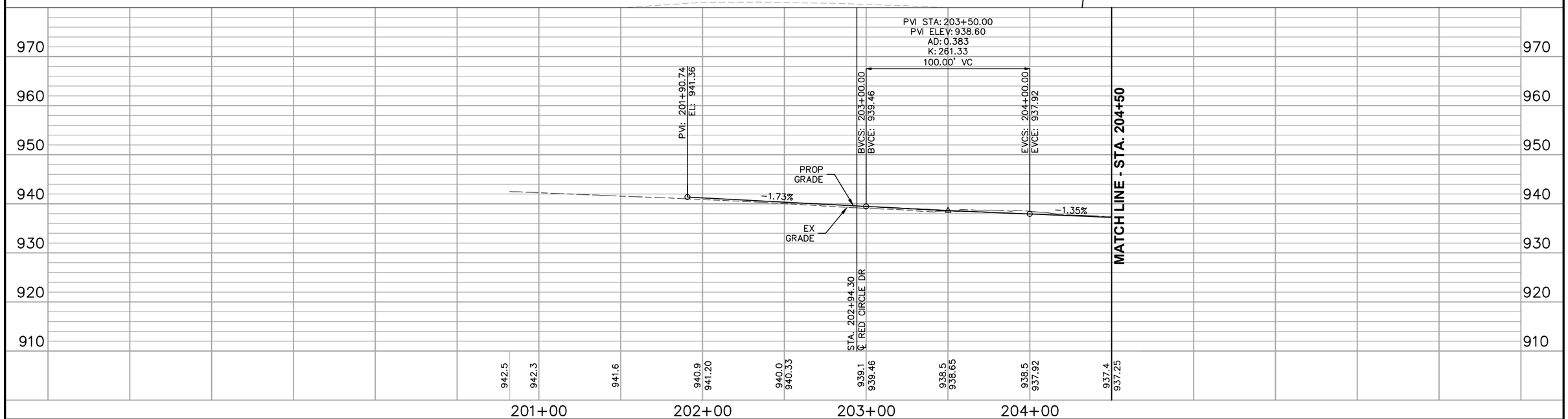
SHEET 28 OF 43

Jul, 21 2015 05:56 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION







NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
RED CIRCLE DRIVE TO YELLOW CIRCLE DRIVE
PLAN AND PROFILE
STA. 200+00 TO STA. 204+50

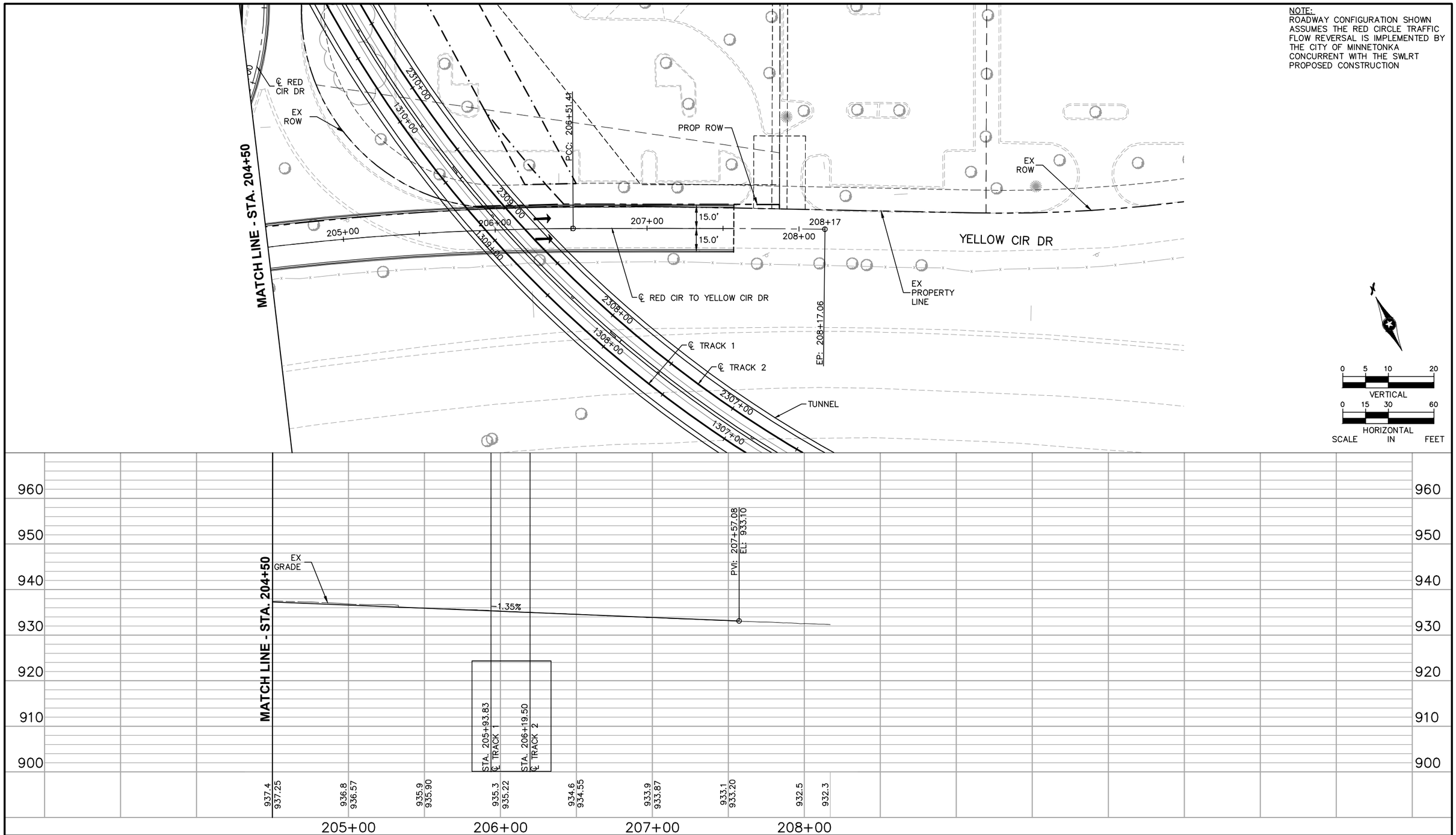
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-012

SHEET 29 OF 43

Jul, 21 2015 05:56 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
RED CIRCLE DRIVE TO YELLOW CIRCLE DRIVE
PLAN AND PROFILE
STA. 204+50 TO STA. 208+17

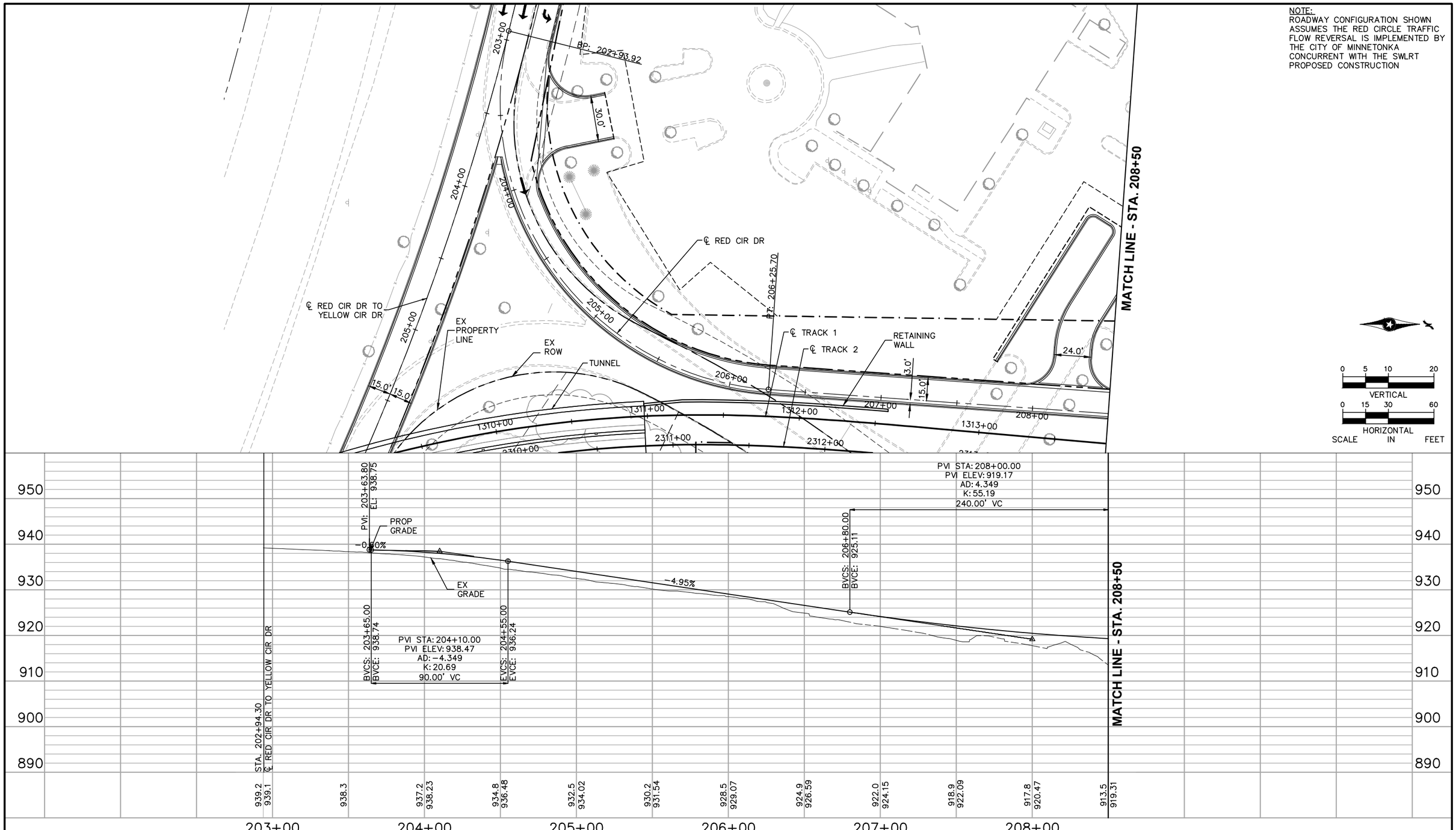
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-013

SHEET 30 OF 43

Jul, 21 2015 05:57 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRF Consulting Group, Inc.

MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
RED CIRCLE DRIVE
PLAN AND PROFILE
STA. 202+93 TO STA. 208+50

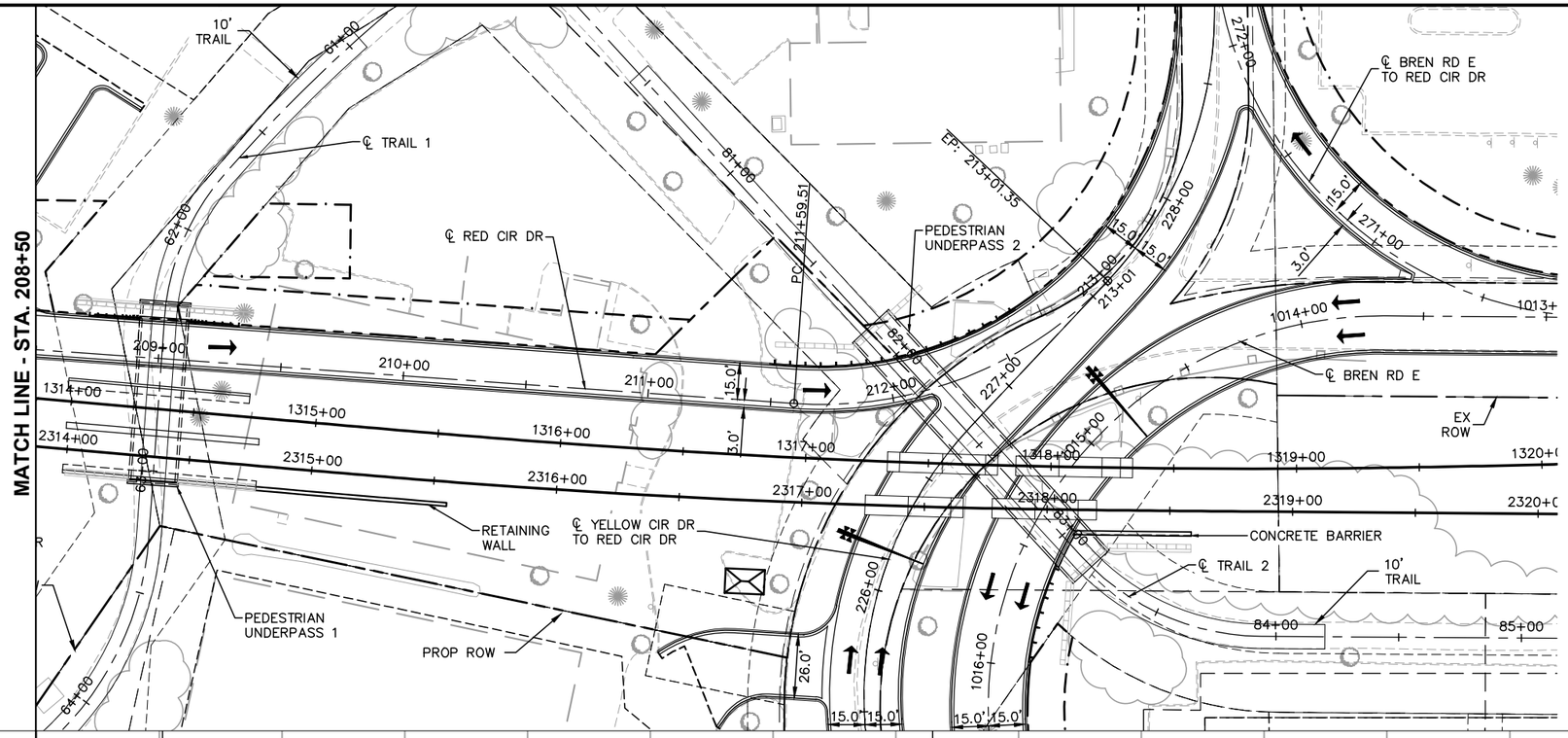
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-014

SHEET 31 OF 43

Jul. 21 2015 05:57 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION



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

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM
SRF Consulting Group, Inc.
METROPOLITAN COUNCIL
SOUTHWEST Green Line LRT Extension

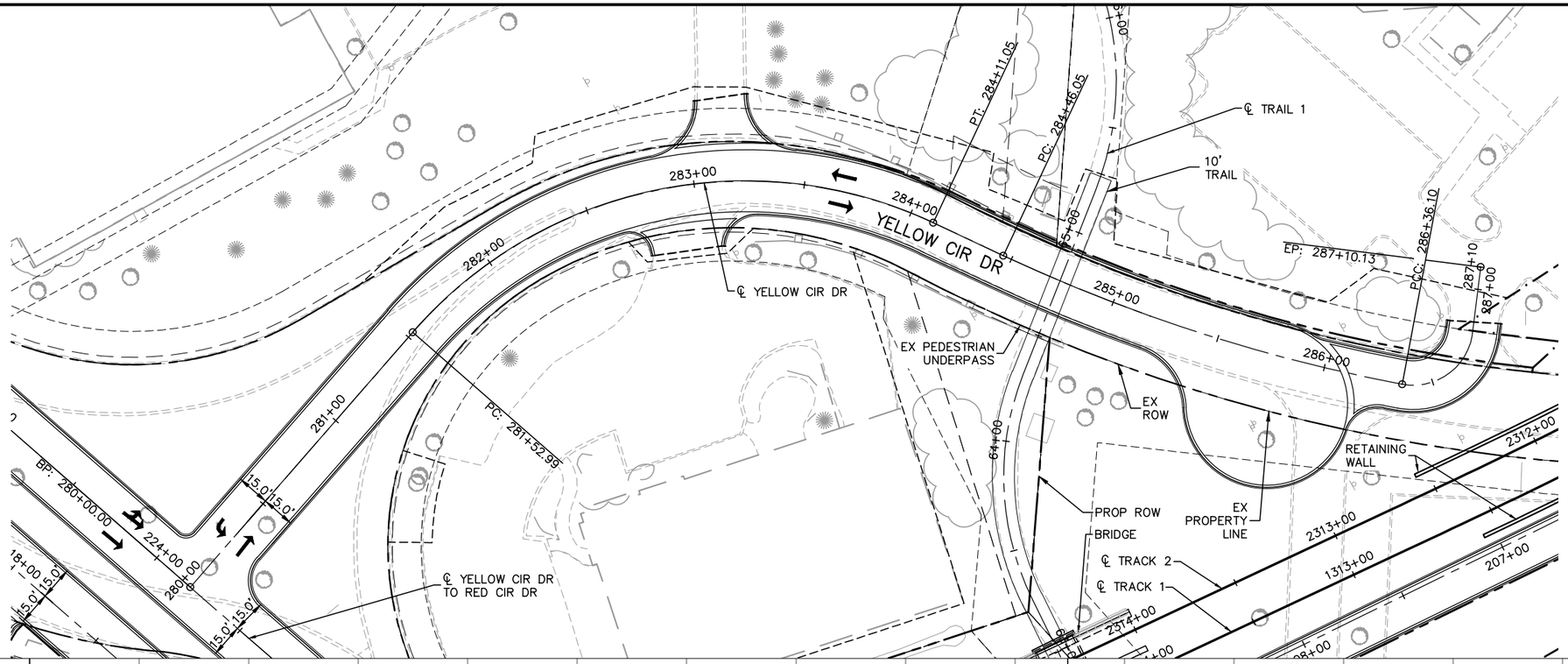
MUNICIPAL CONSENT

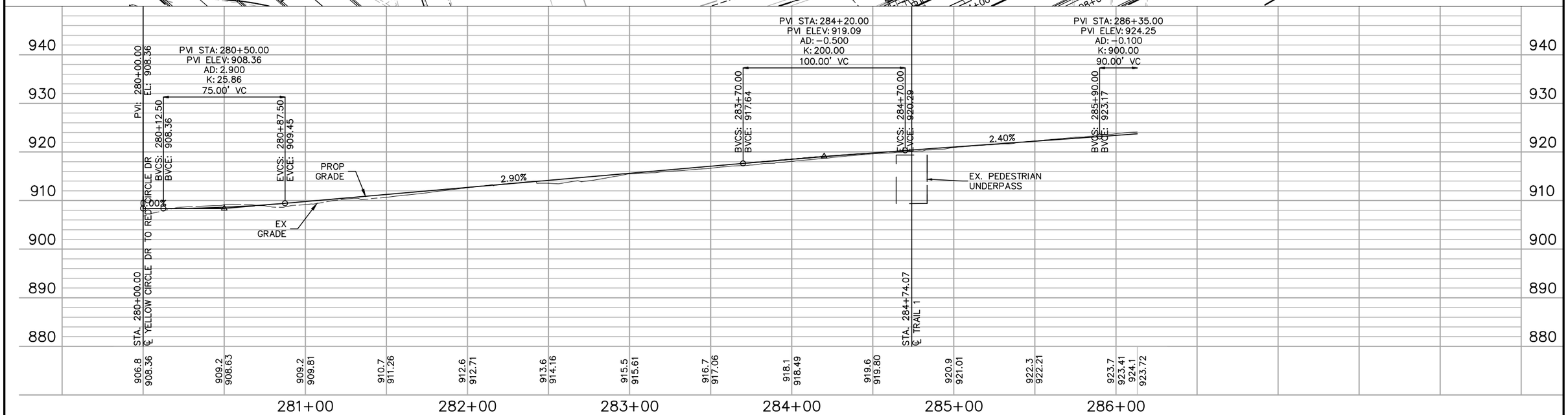
WEST SEGMENT 2
RED CIRCLE DRIVE
PLAN AND PROFILE
STA. 208+50 TO STA. 213+00

DISCIPLINE: CIVIL
SHEET NAME: W2-CIV-PRF-015

Jul, 21 2015 05:58 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION





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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

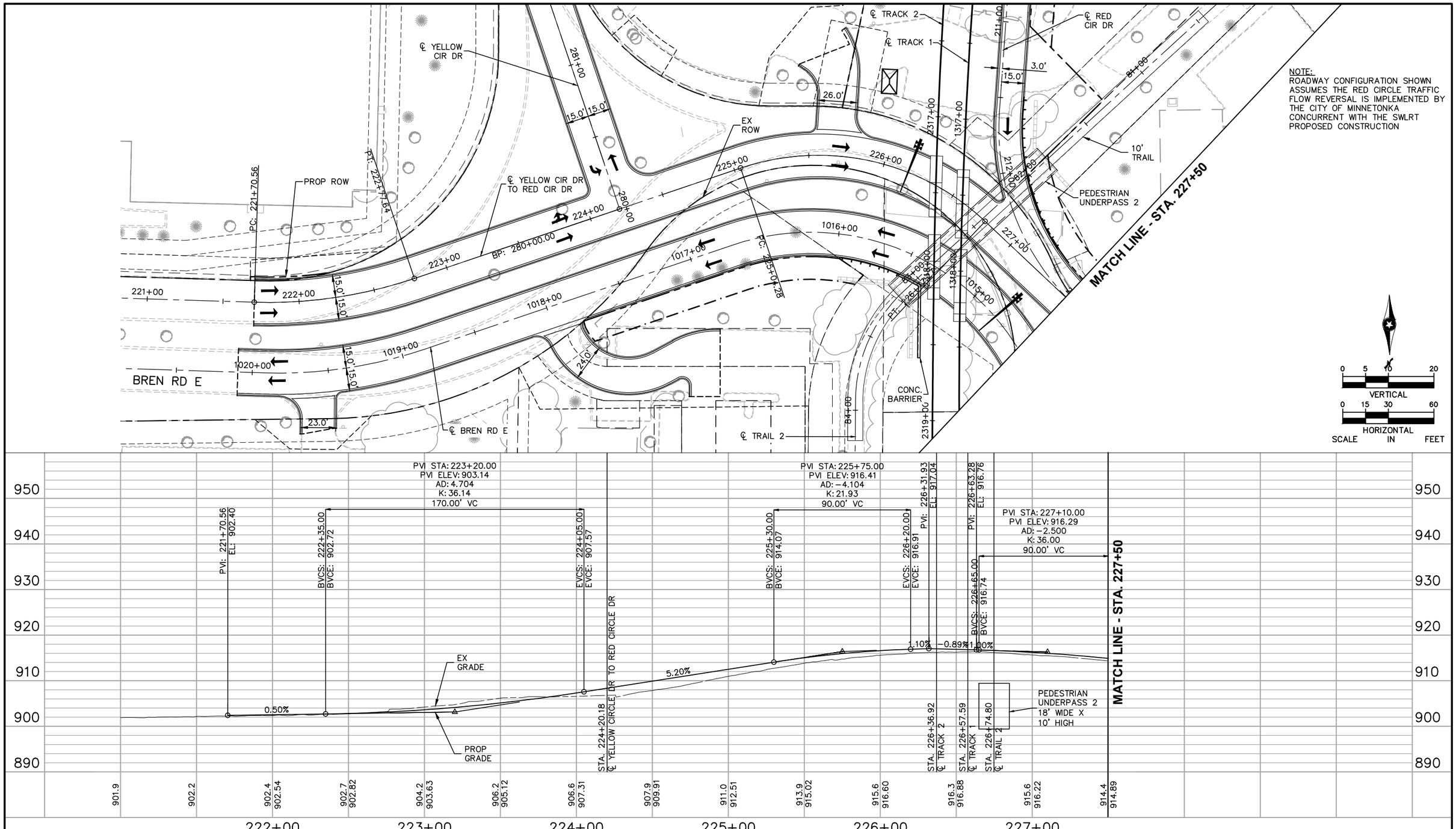
WEST SEGMENT 2
YELLOW CIRCLE DRIVE
PLAN AND PROFILE
STA. 280+00 TO STA. 286+00

DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-016

SHEET 33 OF 43

Jul, 21 2015 05:58 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech



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MUNICIPAL CONSENT

METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
YELLOW CIRCLE DRIVE TO RED CIRCLE DRIVE
PLAN AND PROFILE
STA. 221+00 TO STA. 227+50

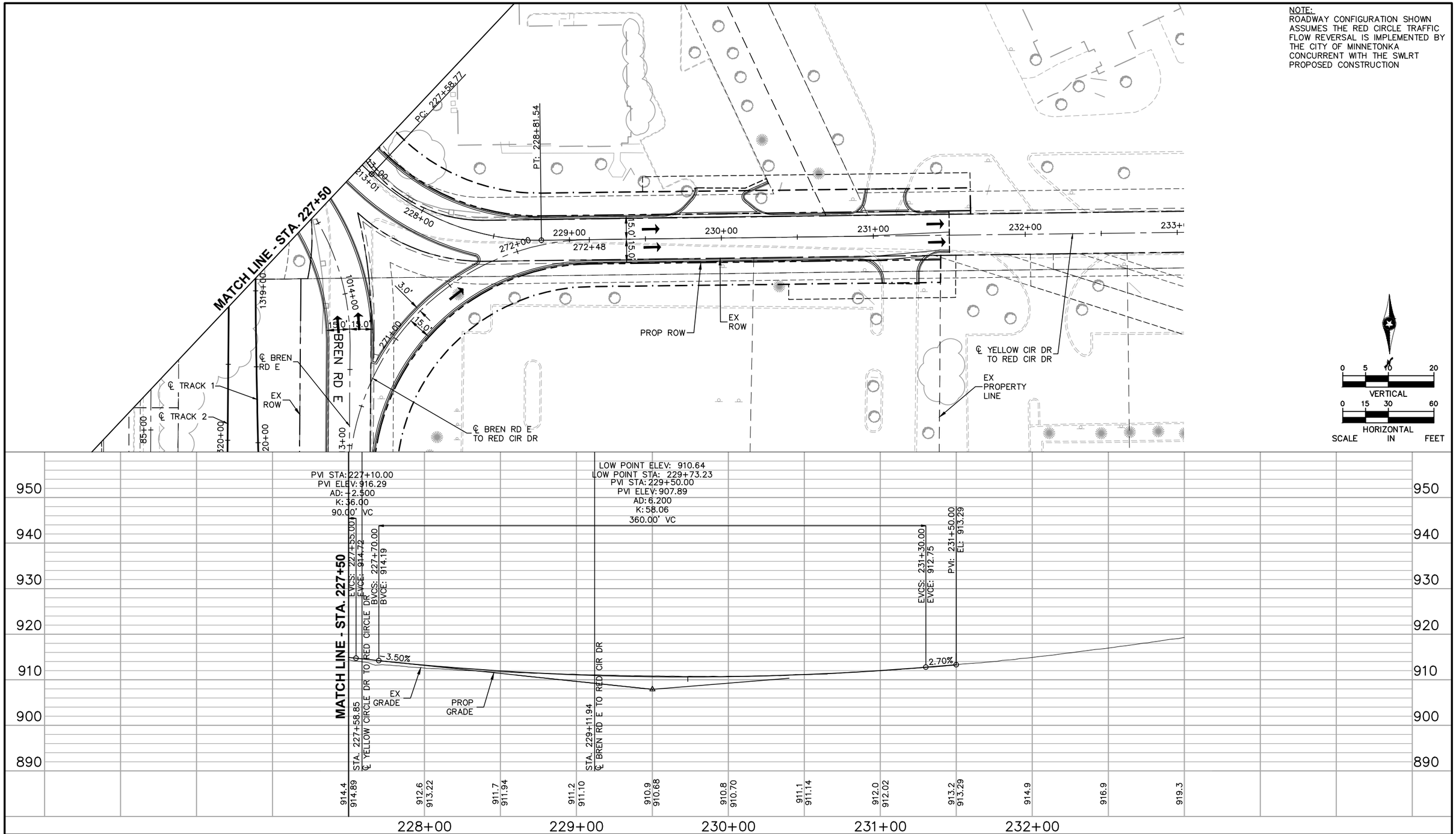
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-017

SHEET 34 OF 43

Jul, 21 2015 05:59 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
YELLOW CIRCLE DRIVE TO RED CIRCLE DRIVE
PLAN AND PROFILE
STA. 227+50 TO STA. 233+00

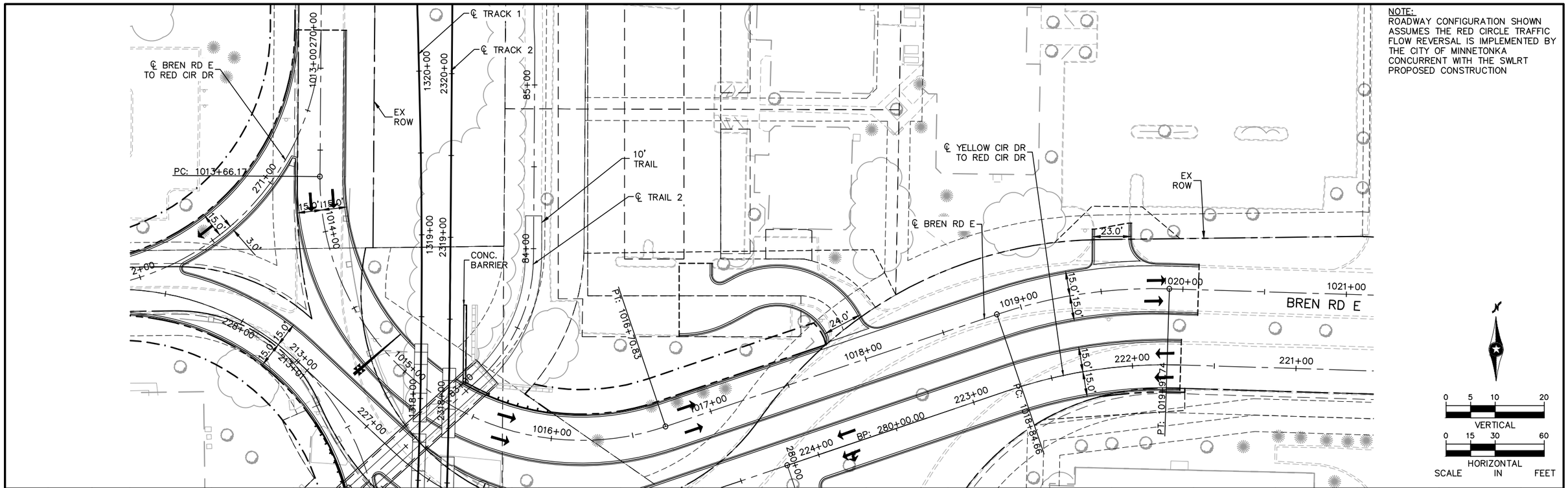
DISCIPLINE: CIVIL

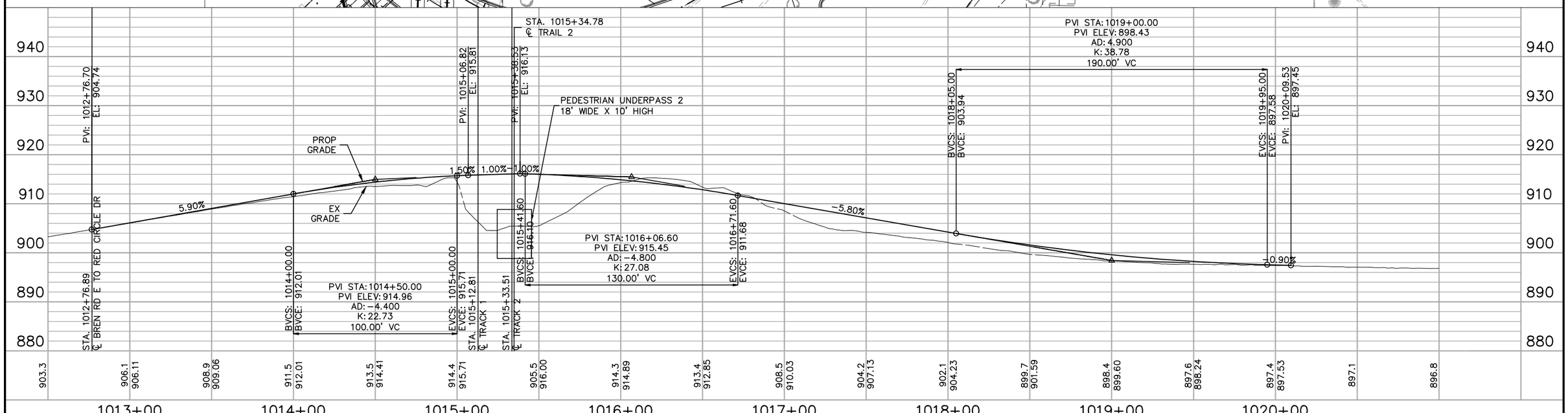
SHEET NAME: W2-CIV-PRF-018

SHEET 35 OF 43

Jul, 21 2015 05:59 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
BREN ROAD EAST
PLAN AND PROFILE
STA. 1012+50 TO STA. 1021+00

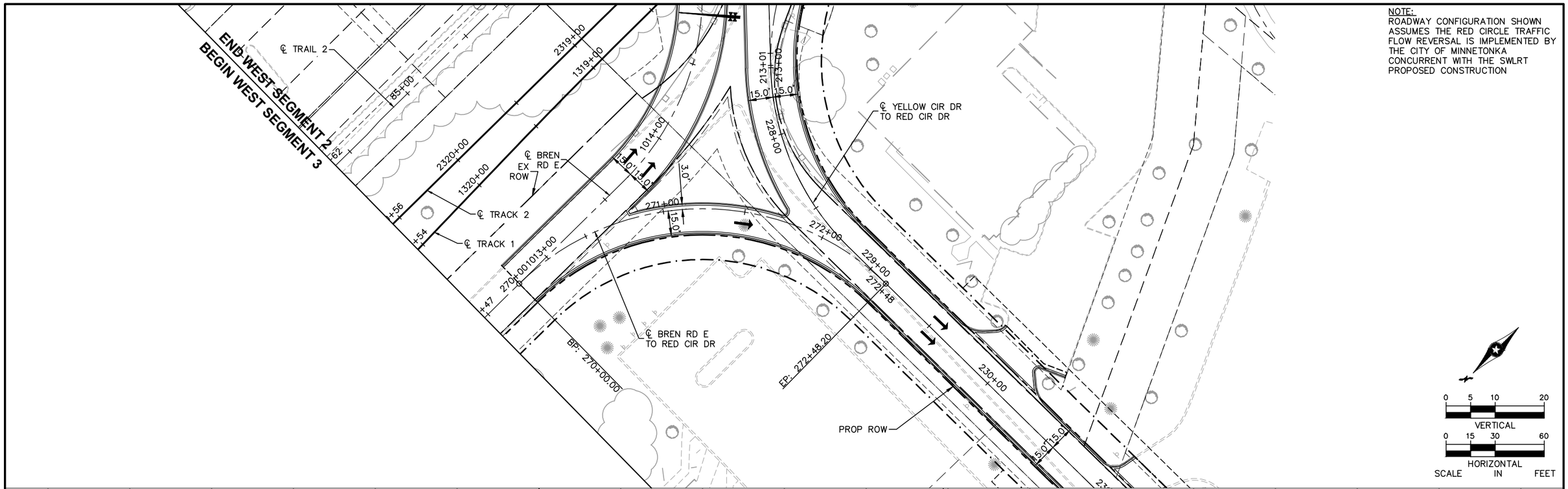
DISCIPLINE: CIVIL

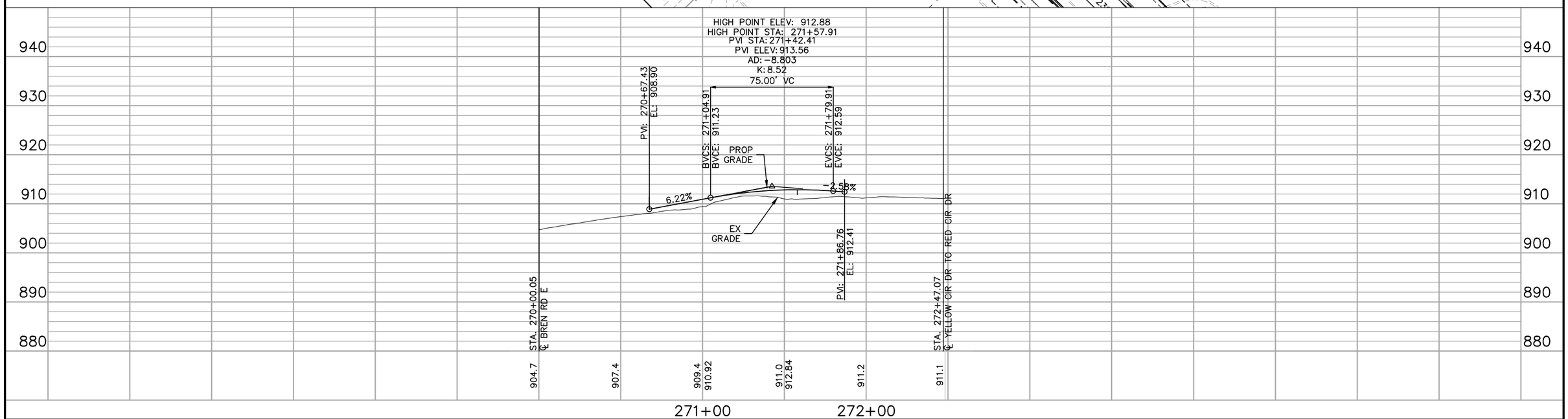
SHEET NAME: W2-CIV-PRF-019

SHEET 36 OF 43

Jul, 21 2015 05:59 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech

NOTE:
ROADWAY CONFIGURATION SHOWN ASSUMES THE RED CIRCLE TRAFFIC FLOW REVERSAL IS IMPLEMENTED BY THE CITY OF MINNETONKA CONCURRENT WITH THE SWLRT PROPOSED CONSTRUCTION





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

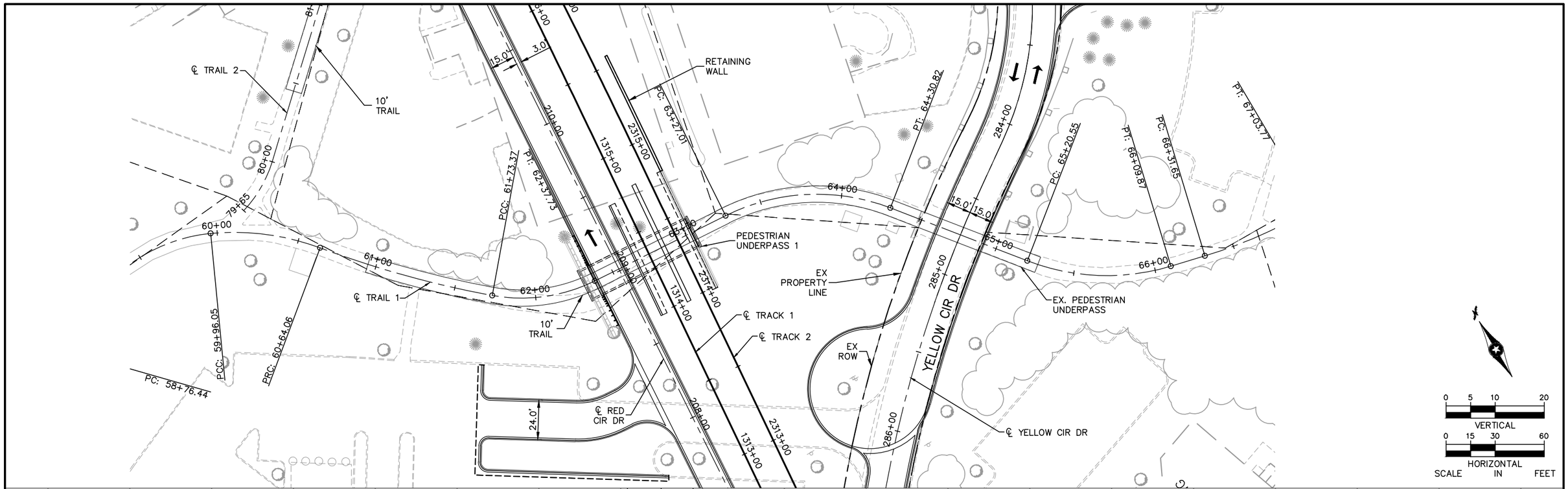
WEST SEGMENT 2
BREN ROAD EAST TO RED CIRCLE DRIVE
PLAN AND PROFILE
STA. 270+67 TO STA. 271+87

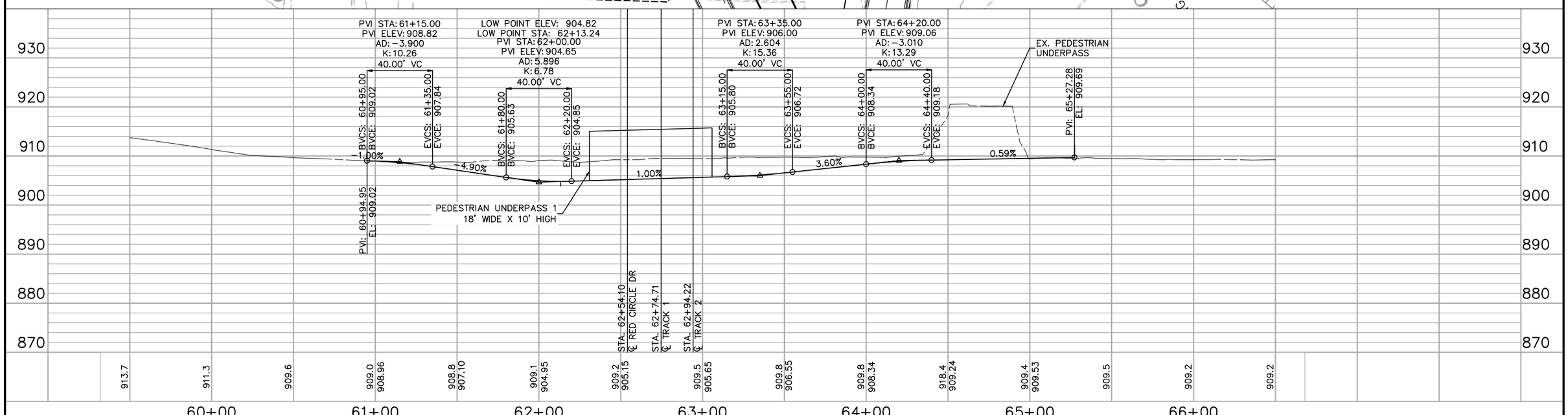
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-PRF-020

SHEET 37 OF 43

Jul, 21 2015 06:00 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-PRF.dwg By: msobiech





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

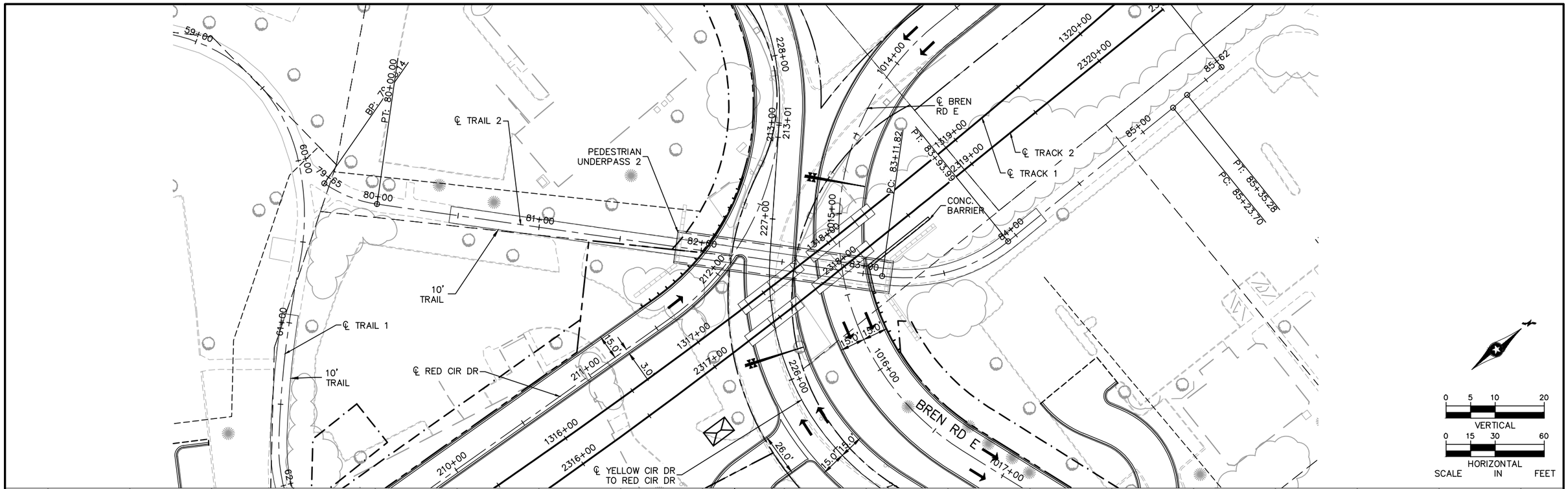
WEST SEGMENT 2
TRAIL 1
PLAN AND PROFILE
STA. 59+50 TO STA. 66+50

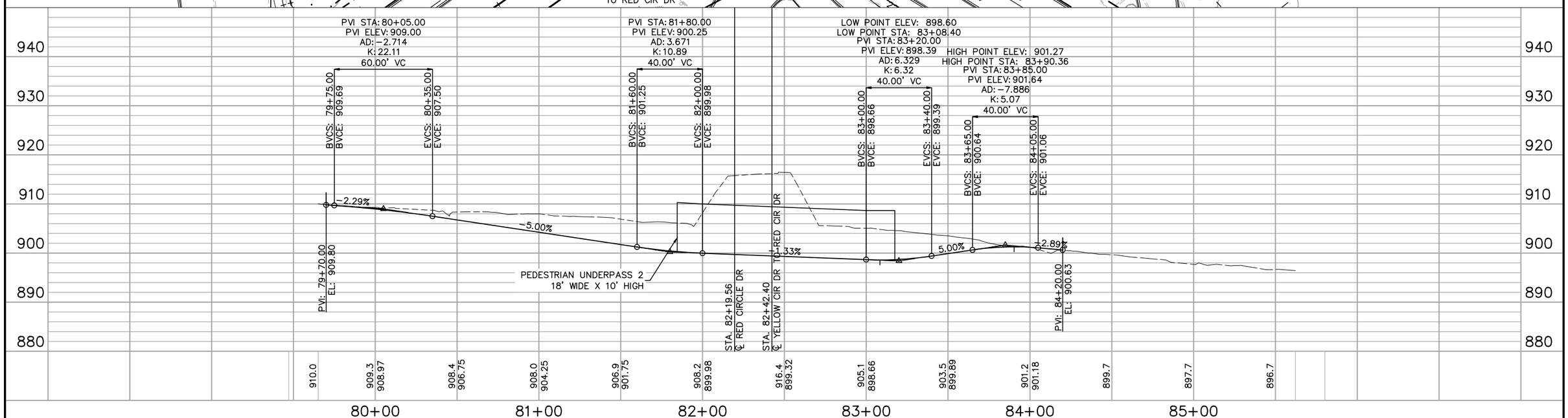
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-TRL-001

SHEET 38 OF 43

Jul, 21 2015 06:01 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-TRL.dwg By: msobiech





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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

MUNICIPAL CONSENT

WEST SEGMENT 2
TRAIL 2
PLAN AND PROFILE
STA. 79+50 TO STA. 85+50

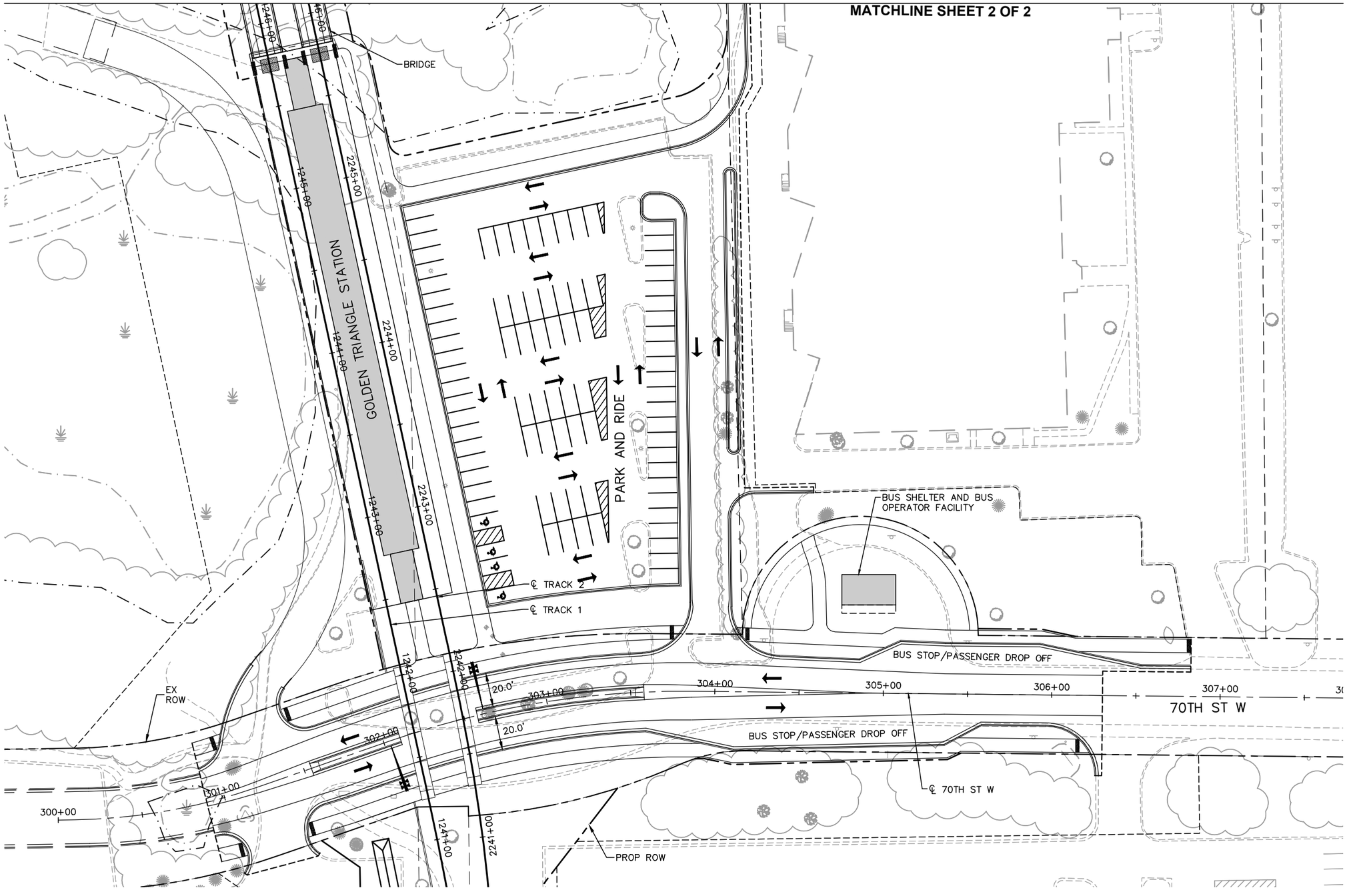
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-TRL-002

SHEET 39 OF 43

Jul, 21 2015 06:02 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-TRL.dwg By: msobiech

NOTE:
200 PROVIDED PARKING STALLS
(TOTAL FOR BOTH LOTS)



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
GOLDEN TRIANGLE PARK AND RIDE
SITE PLAN
SHEET 1 OF 2

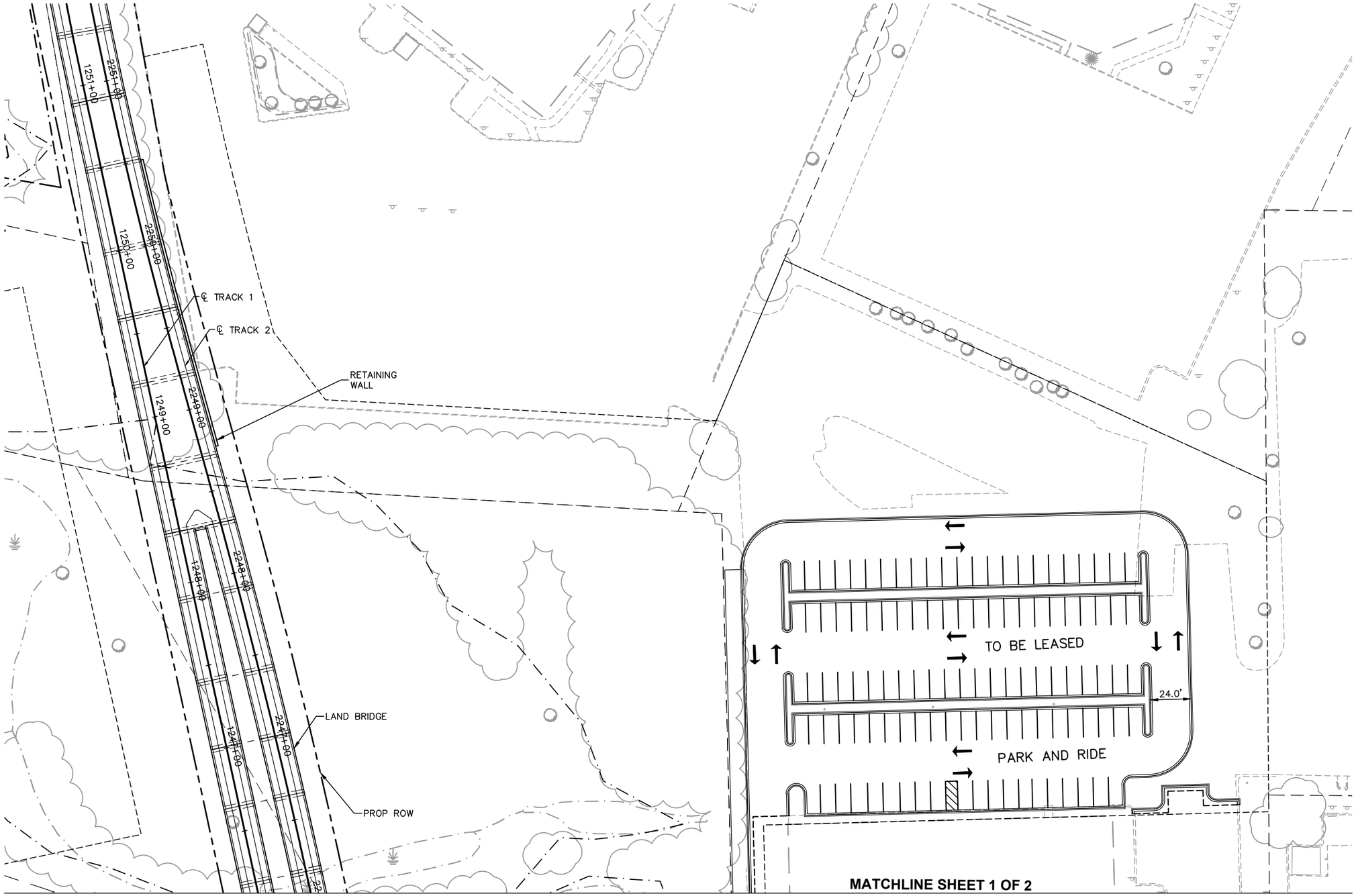
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-SIT-001

SHEET 40 OF 43

Jul, 21 2015 06:03 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-SIT.dwg By: msobiech

NOTE:
200 PROVIDED PARKING STALLS
(TOTAL FOR BOTH LOTS)



0 15 30 60
SCALE HORIZONTAL IN FEET

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SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
GOLDEN TRIANGLE PARK AND RIDE
SITE PLAN
SHEET 2 OF 2

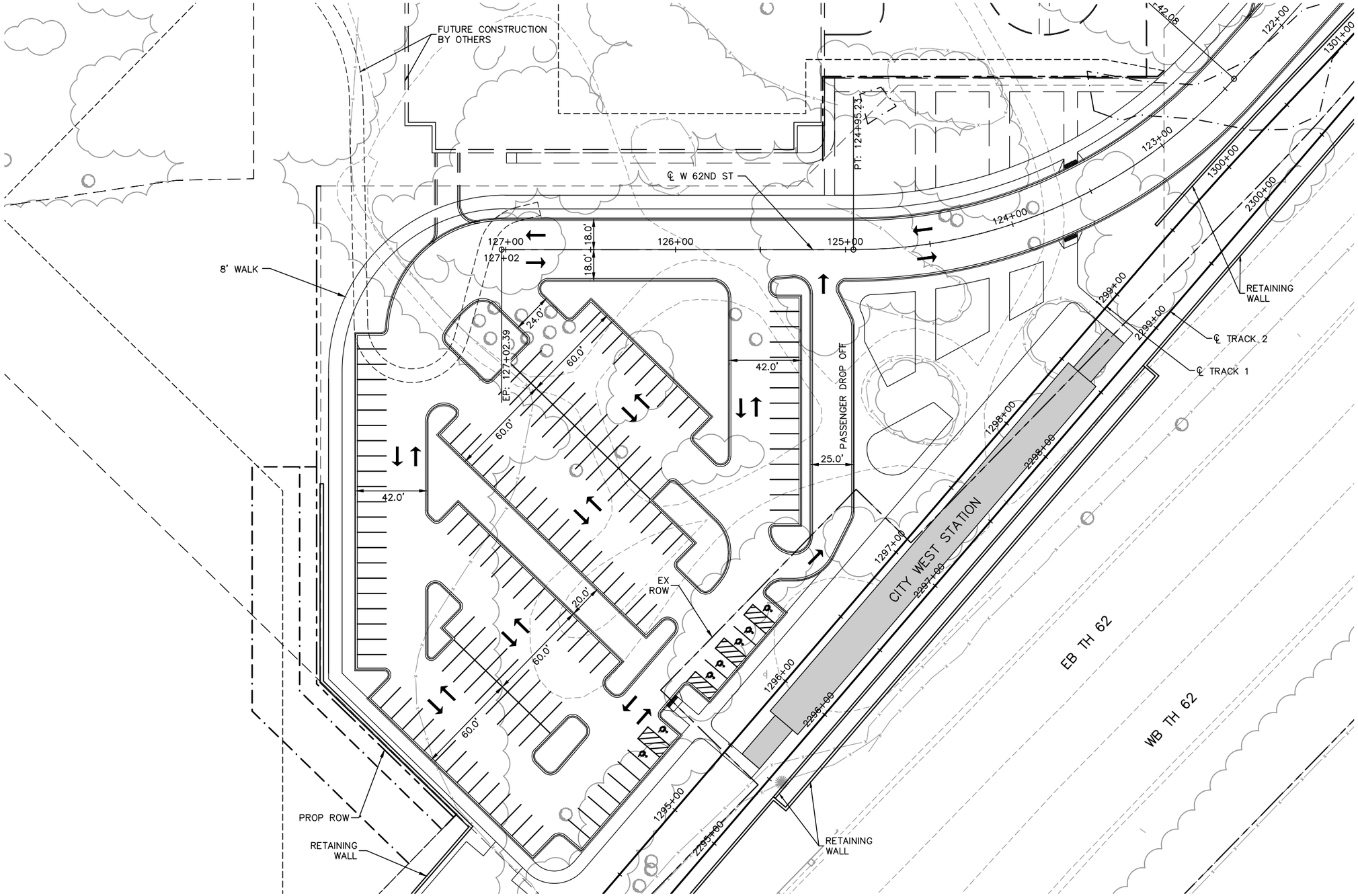
DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-SIT-002

SHEET 41 OF 43

Jul, 21 2015 06:04 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-SIT.dwg By: msobiech

NOTE:
160 PROVIDED PARKING STALLS



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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

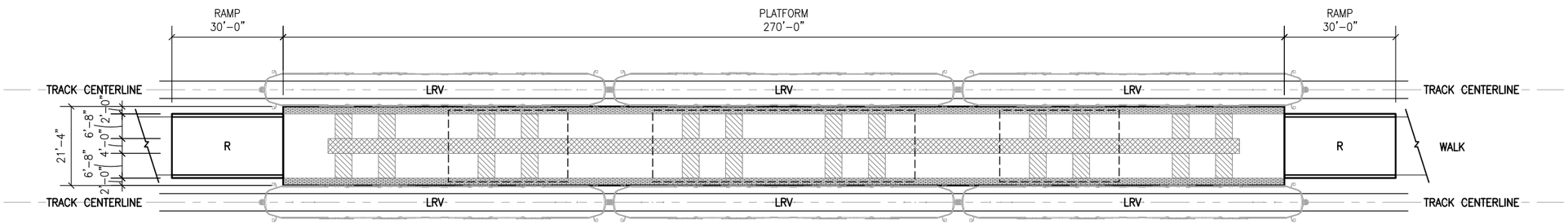
WEST SEGMENT 2
CITY WEST PARK AND RIDE
SITE PLAN

DISCIPLINE: CIVIL

SHEET NAME: W2-CIV-SIT-003

SHEET 42 OF 43

Jul, 21 2015 06:04 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS\CIVIL\W2-CIV-SIT.dwg By: msobiech



GOLDEN TRIANGLE STATION

CITY WEST 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

GOLDEN TRIANGLE STATION: TOWN SQUARE TYPE

CITY WEST STATION: LANDMARK TYPE

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METROPOLITAN COUNCIL

SOUTHWEST Green Line LRT Extension

WEST SEGMENT 2
STATION LAYOUT
CENTER PLATFORM

DISCIPLINE: ARCHITECTURE

SHEET NAME: W2-ARC-STA-PLN

SHEET 43 OF 43

Jul, 20 2015 05:22 pm V:\3400_ADC\CAD\SEGMENT W2\PLAN SHEETS MC\ARCH\W2-ARC-STA-PLN.dwg By: Ebsenjr