

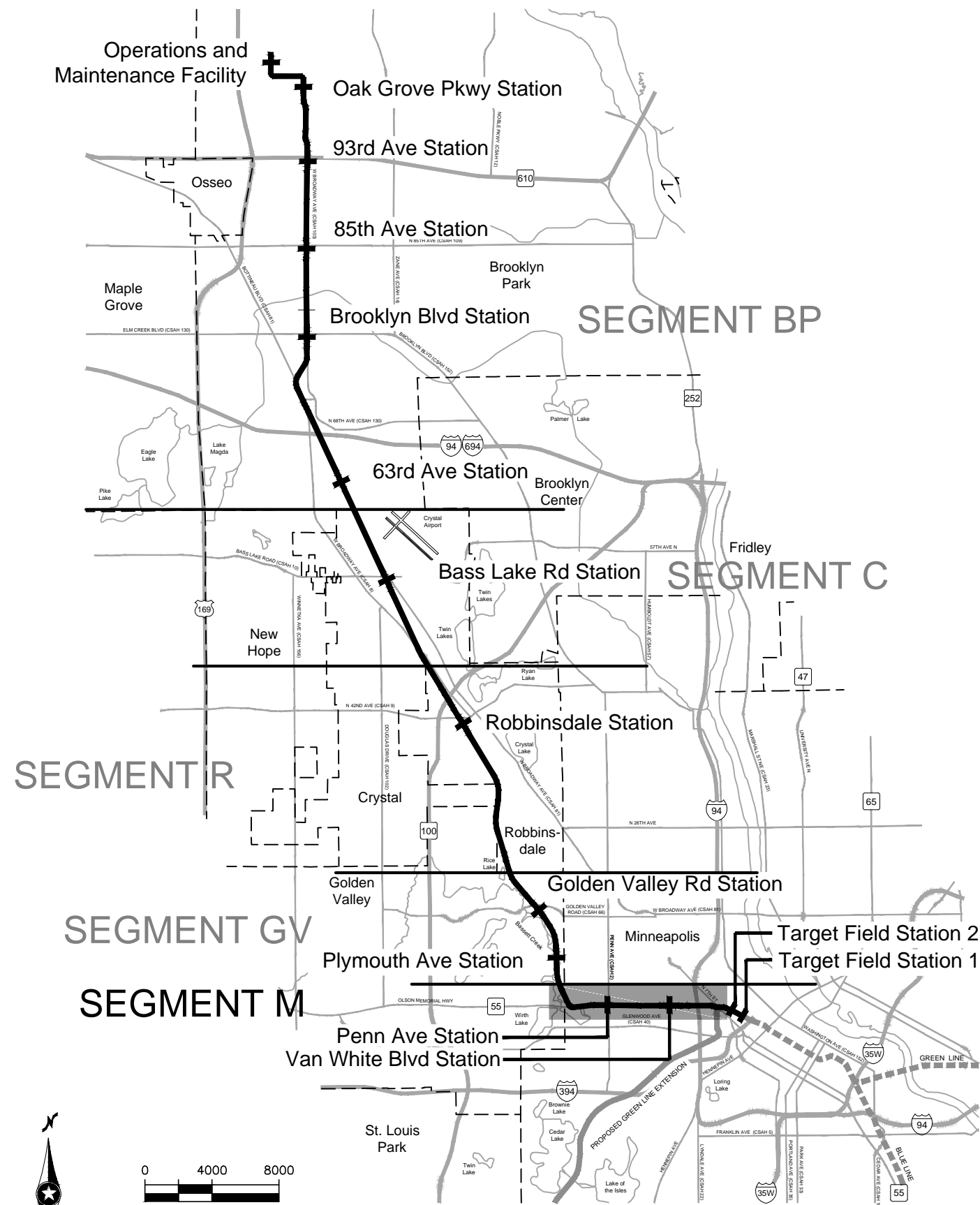


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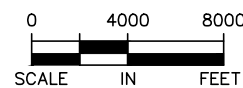
EXISTING CONDITIONS/TRACK/CIVIL

MUNICIPAL CONSENT (12/15/2015)

MN STATE STATUTE 473.3994



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TOPOGRAPHIC SYMBOLS

CATCH BASIN	COMMUNICATION STRUCTURE
STORM MANHOLE	TELEPHONE STRUCTURE
FLARED END SECTION	TELEPHONE MANHOLE
BOX CULVERT INVERT	FIBER OPTIC MANHOLE
SANITARY MANHOLE	UTILITY POLE
SANITARY CLEANOUT	UTILITY POLE W/LIGHT
WATER MANHOLE	GUY WIRE
WATER GATE VALVE MANHOLE	SHRUB
WATER VALVE	TREE (DECIDUOUS)
WATER METER	TREE (CONIFEROUS)
CORP STOP	CAMERA
HYDRANT	MONITOR WELL
ELECTRIC METER	BOLLARD
ELECTRIC TRANSFORMER	SIGN
ELECTRIC PANEL	MAILBOX
ELECTRIC MANHOLE	FLAG POLE
ELECTRIC BOX	UNIDENTIFIED STRUCTURE
ELECTRIC VAULT	EXISTING DIRECTIONAL LANE USE
GAS VALVE	EXISTING SIGNALIZED INTERSECTION
GAS METER	SURVEY CONTROL STATION
TRAFFIC SIGNAL POLE	POWER TOWER
LIGHT POLE	GATE ARM
HAND HOLE (STRUCTURE)	RAIL SIGNAL FLASHER
CABLE TELEVISION	

EXISTING LINETYPES

P-OH	OVERHEAD ELECTRIC
P-UG	UNDERGROUND ELECTRIC
T-OH	OVERHEAD TELEPHONE
TEL	UNDERGROUND TELEPHONE
COM-OH	OVERHEAD COMMUNICATION
COM-UG	UNDERGROUND COMMUNICATION
CABLE-OH	OVERHEAD CABLE TELEVISION
CATV	UNDERGROUND CABLE TELEVISION
FIB-OPT	UNDERGROUND FIBER OPTIC
FUEL-UG	UNDERGROUND FUEL
GAS-UG	UNDERGROUND GAS
GAS(AB.)	ABANDONED UTILITY
I	WATER
	SANITARY SEWER
	SANITARY FORCE MAIN
	STORM SEWER
	LARGE CULVERT
	EDGE OF PAVEMENT
	CURB AND GUTTER
	FENCE
	GUARDRAIL
	WALK
	BUILDING
	RETAINING WALL
	BRIDGE
	RIGHT-OF-WAY
	PROPERTY LINE
	FREIGHT RAIL
	CENTERLINE OF TRAIL
	VEGETATION
	WATER BODY

TRACK/CIVIL LINETYPES

	ROADWAY C
	TRACK C
	CONCRETE CURB AND GUTTER
	BIKE LANE
	SIDEWALK/TRAIL
	DRIVEWAY
	BRIDGE
	SAWCUT
	BALLAST CURB
	RETAINING WALL
	CROSSWALK
	MEDIAN NOSE

CIVIL SYMBOLS

	ACCESSIBLE PEDESTRIAN CURB RAMP (DESIGN VARIES)
	PROPOSED SIGNALIZED INTERSECTION
	PROPOSED DIRECTIONAL LANE USE
	HANDICAP PARKING STALL
	BIKE LANE
	TACTILE WARNING STRIP

TRACK SYMBOLS

	AUTOMATIC GATE
	RAIL TURNOUT
	RAIL CROSSOVER (DOUBLE)
	RAIL CROSSOVER (SINGLE)
	POINT OF SWITCH (PS)
	RAILROAD CURVE NUMBER

ABBREVIATIONS

AD	ALGEBRAIC DIFFERENCE	OCS	OVERHEAD CONTACT SYSTEM
AVE	AVENUE	OH	OVERHEAD
BGN	BEGIN	OMH	OLSON MEMORIAL HIGHWAY
BIT	BITUMINOUS	PC	POINT OF CURVE
BVCE	BEGINNING VERTICAL CURVE ELEVATION	PGL	PROFILE GRADE LINE
BVCS	BEGINNING VERTICAL CURVE STATION	PITO	POINT OF INTERSECTION TURNOUT
BLVD	BOULEVARD	PKWY	PARKWAY
BNSF	BNSF RAILWAY	POT	POINT ON TANGENT
BRT	BUS RAPID TRANSIT	PROP	PROPOSED
C&G	CURB AND GUTTER	PS	POINT OF SWITCH
C	CENTERLINE	PT	POINT OF TANGENT
CONC	CONCRETE	PVI	POINT OF VERTICAL INTERSECTION
CP	CANADIAN PACIFIC	R	RADIUS (FEET)
CR	COUNTY ROAD	r	RATE OF CHANGE VERTICAL CURVE
CS	CURVE TO SPIRAL	RD	ROAD
CSAH	COUNTY STATE AID HIGHWAY	RH	RIGHT HAND
CT	COURT	ROW	RIGHT OF WAY
DF	DIRECT FIXATION	S	SOUTH
DR	DRIVE	SB	SOUTHBOUND
Ea	ACTUAL SUPERELEVATION (INCHES)	SC	SPIRAL TO CURVE
EB	EAST BOUND	SIG-COMM	SIGNAL COMMUNICATION
ELEV	ELEVATION	S/P	STOCKPILE
Eu	UNBALANCED SUPERELEVATION (INCHES)	SPI	SPIRAL POINT OF INTERSECTION
EVCE	ENDING VERTICAL CURVE ELEVATION	ST	STREET
EVCS	ENDING VERTICAL CURVE STATION	ST	SPIRAL TO TANGENT
EX	EXISTING	STA	STATION
HCRRRA	HENNEPIN COUNTY REGIONAL RAILROAD AUTHORITY	SWLRT	SOUTHWEST LRT
HWL	HIGH WATER LINE	TERR	TERRACE
LH	LEFT HAND	TH	TRUNK HIGHWAY
LN	LANE	TOR	TOP OF RAIL
Ls	SPIRAL LENGTH (FEET)	TPSS	TRACTION POWER SUBSTATION
MIN	MINIMUM	TRK	TRACK
MPLS	CITY OF MINNEAPOLIS	TS	TANGENT TO SPIRAL
MPRB	MINNEAPOLIS PARK AND RECREATION BOARD	TWRP	THEODORE WIRTH REGIONAL PARK
N	NORTH	TYP	TYPICAL
NB	NORTHBOUND	UG	UNDERGROUND
NHCC	NORTH HENNEPIN COMMUNITY COLLEGE	Vd	DESIGN VELOCITY (MPH)
NO	NUMBER	WB	WEST BOUND
NWL	NORMAL WATER LINE	100-YR	WATER ELEVATION DURING 100-YEAR EVENT

SURVEY NOTES

1. THE HORIZONTAL DATUM OF THIS MAP IS BASED ON THE HENNEPIN COUNTY COORDINATE SYSTEM WHICH IS RELATED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM NAD83 (2007 ADJUSTMENT) SOUTH ZONE.
2. THE VERTICAL DATUM OF THIS MAP IS NAVD 88.
3. THE PLANIMETRIC FEATURES SHOWN ON THIS MAP ARE AS PREPARED BY AERO-METRIC, INC. FROM AERIAL DATA AND IMAGERY COLLECTED IN SPRING 2008 AND OCTOBER 2010, AS SUPPLEMENTED BY FIELD SURVEYS COMPLETED BY SAMBATEK.

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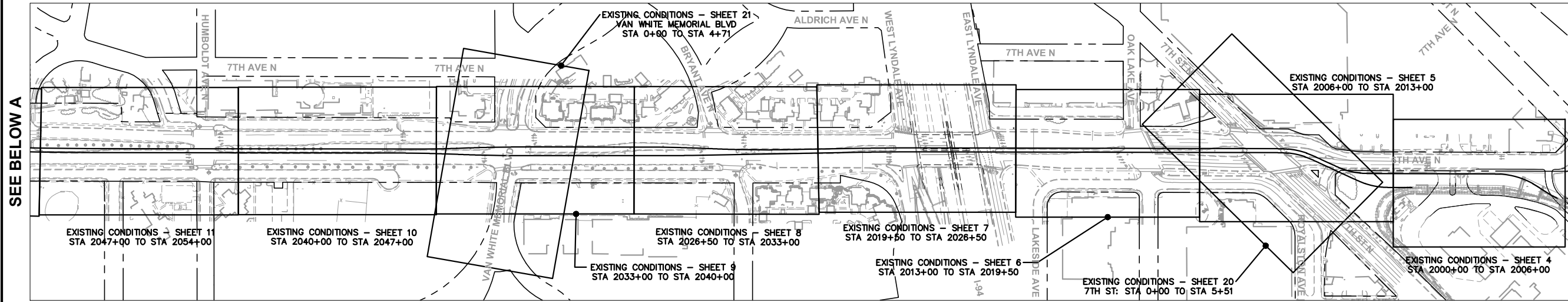


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LEGEND AND ABBREVIATIONS

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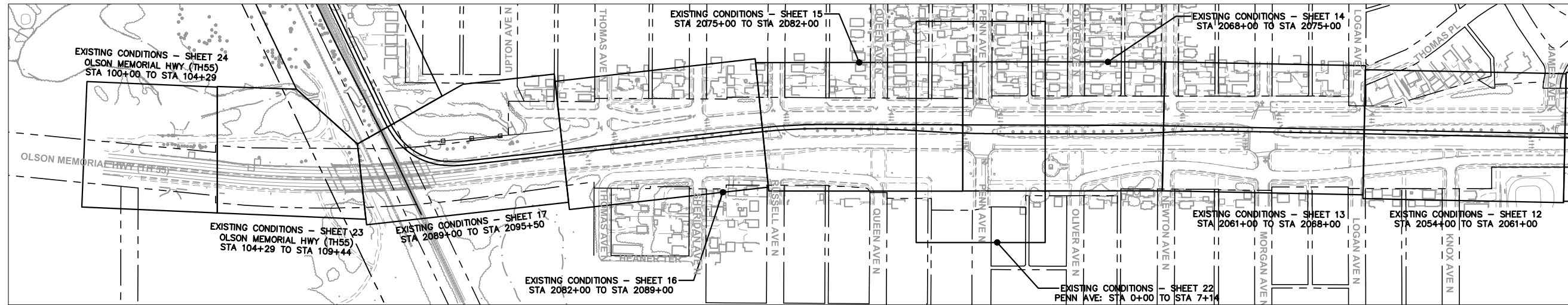
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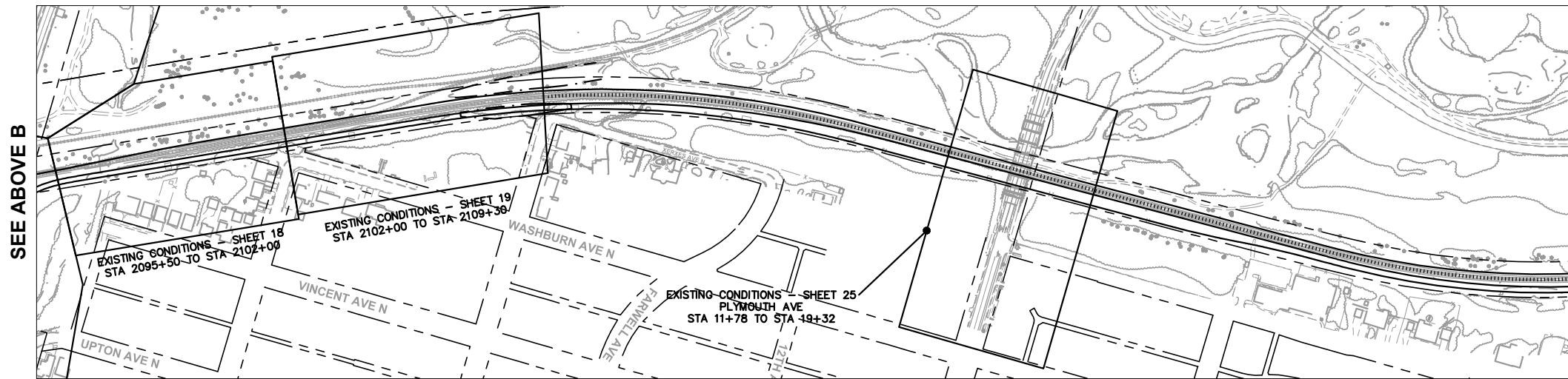


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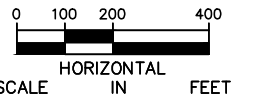
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SEE ABOVE A



SEE ABOVE B



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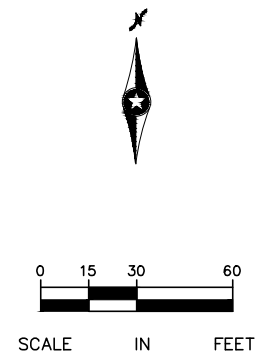
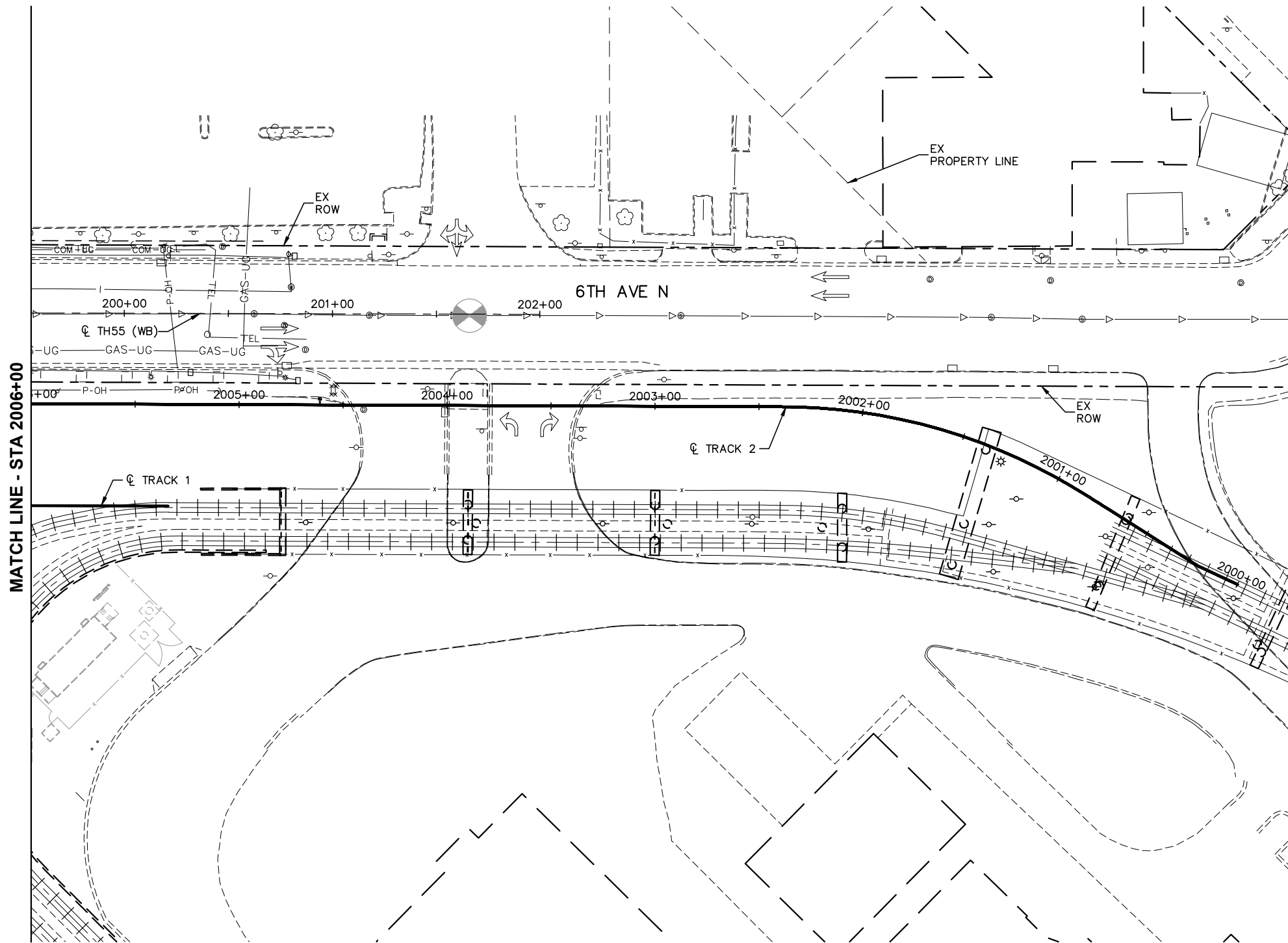
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**SEGMENT M
EXISTING CONDITIONS
SHEET LAYOUT INDEX**

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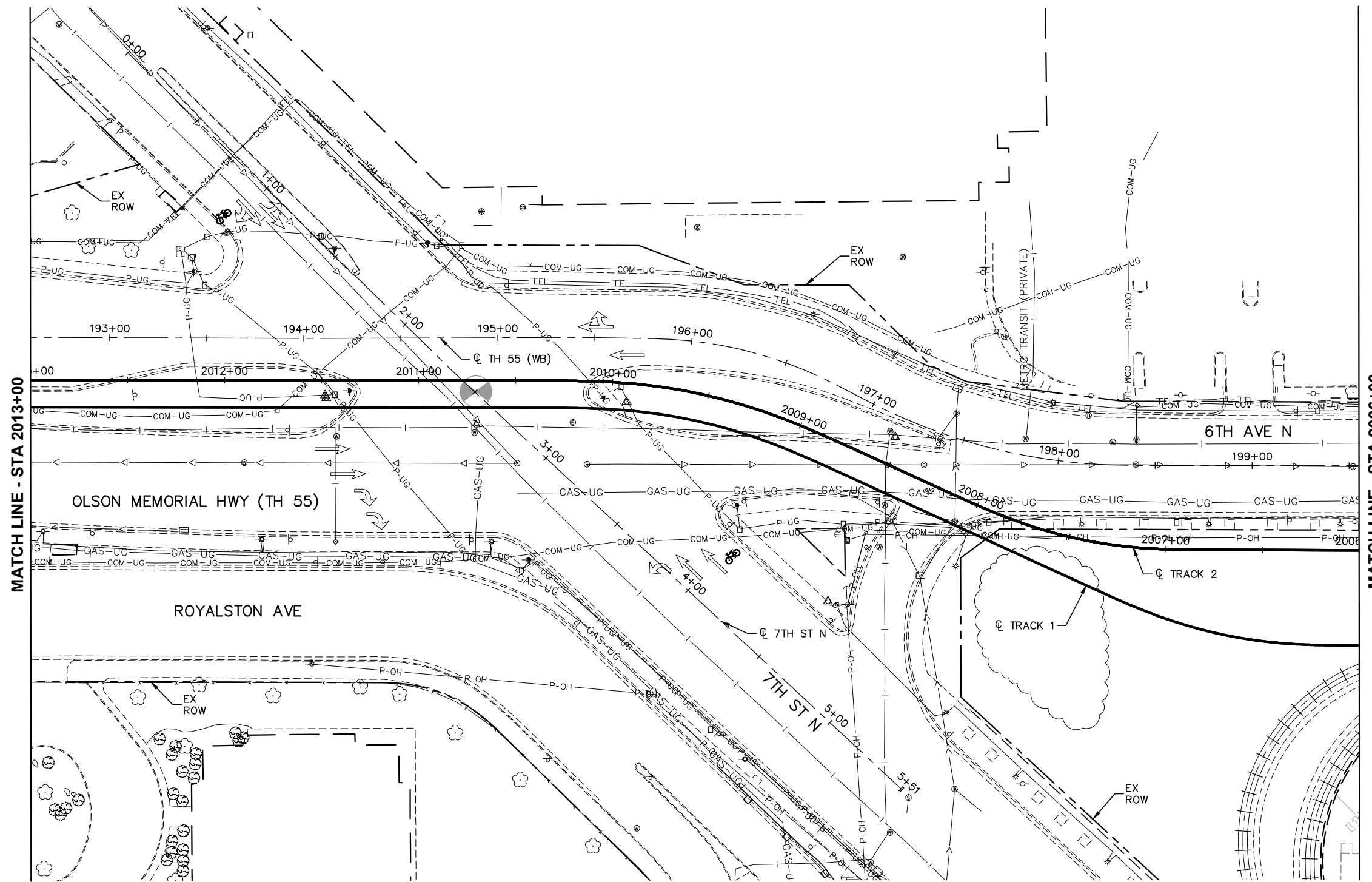
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EXISTING CONDITIONS
STA 2000+00 TO STA 2006+00**

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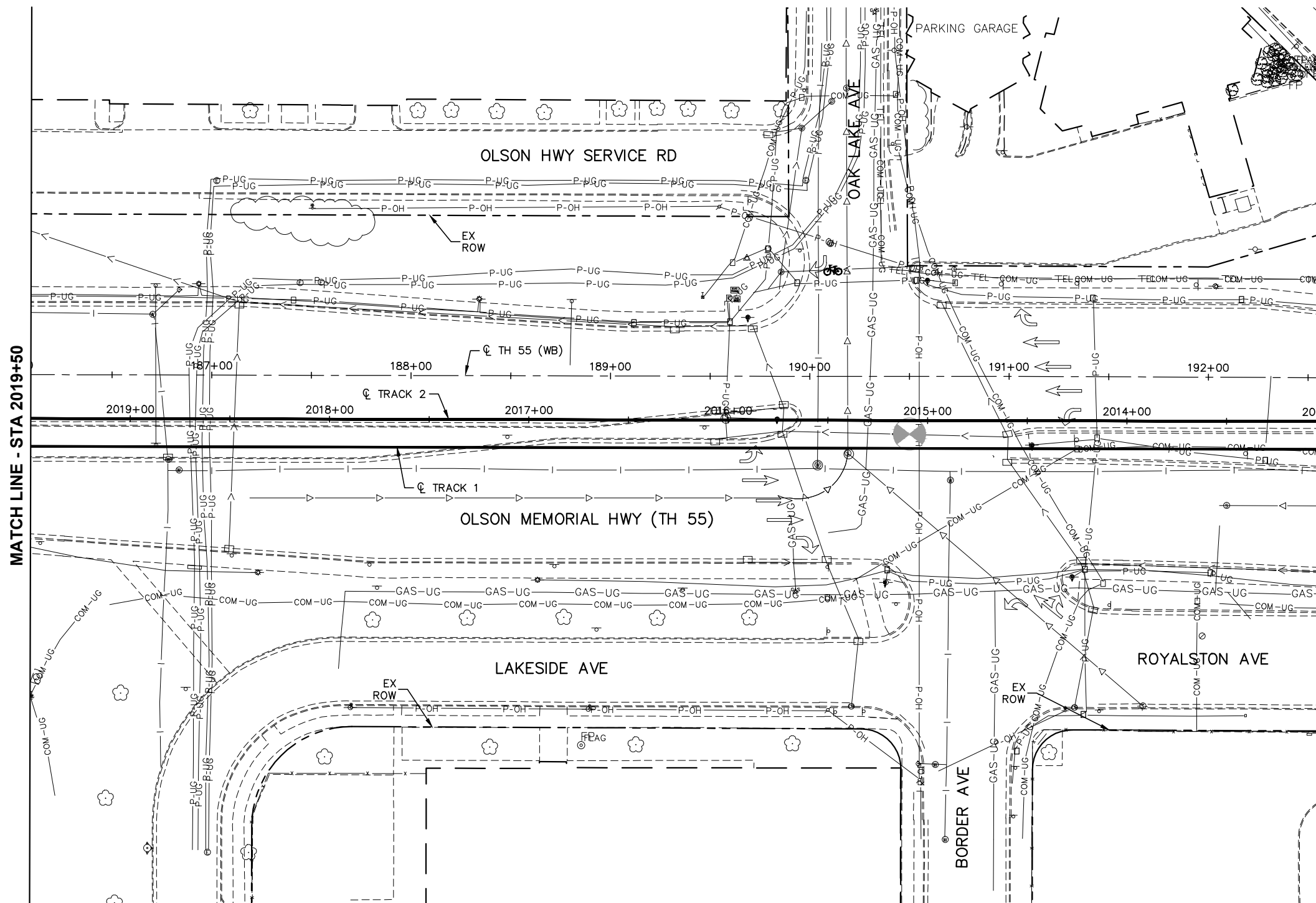
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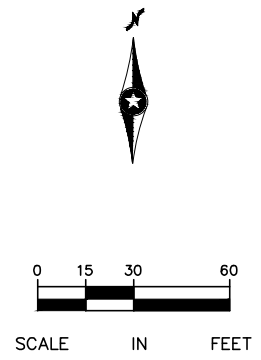
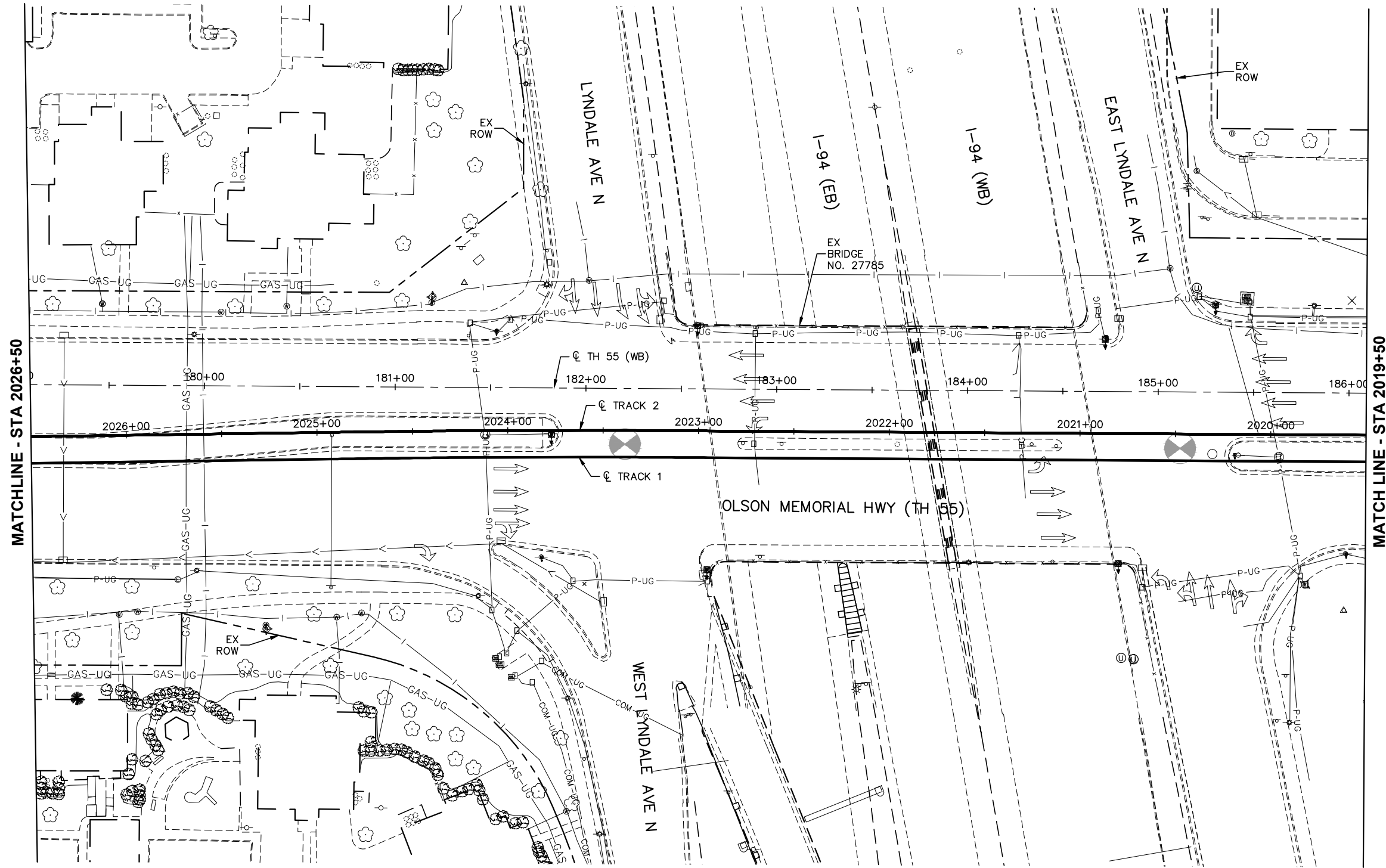
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MATCHLINE - STA 2026+50

MATCHLINE - STA 2019+50

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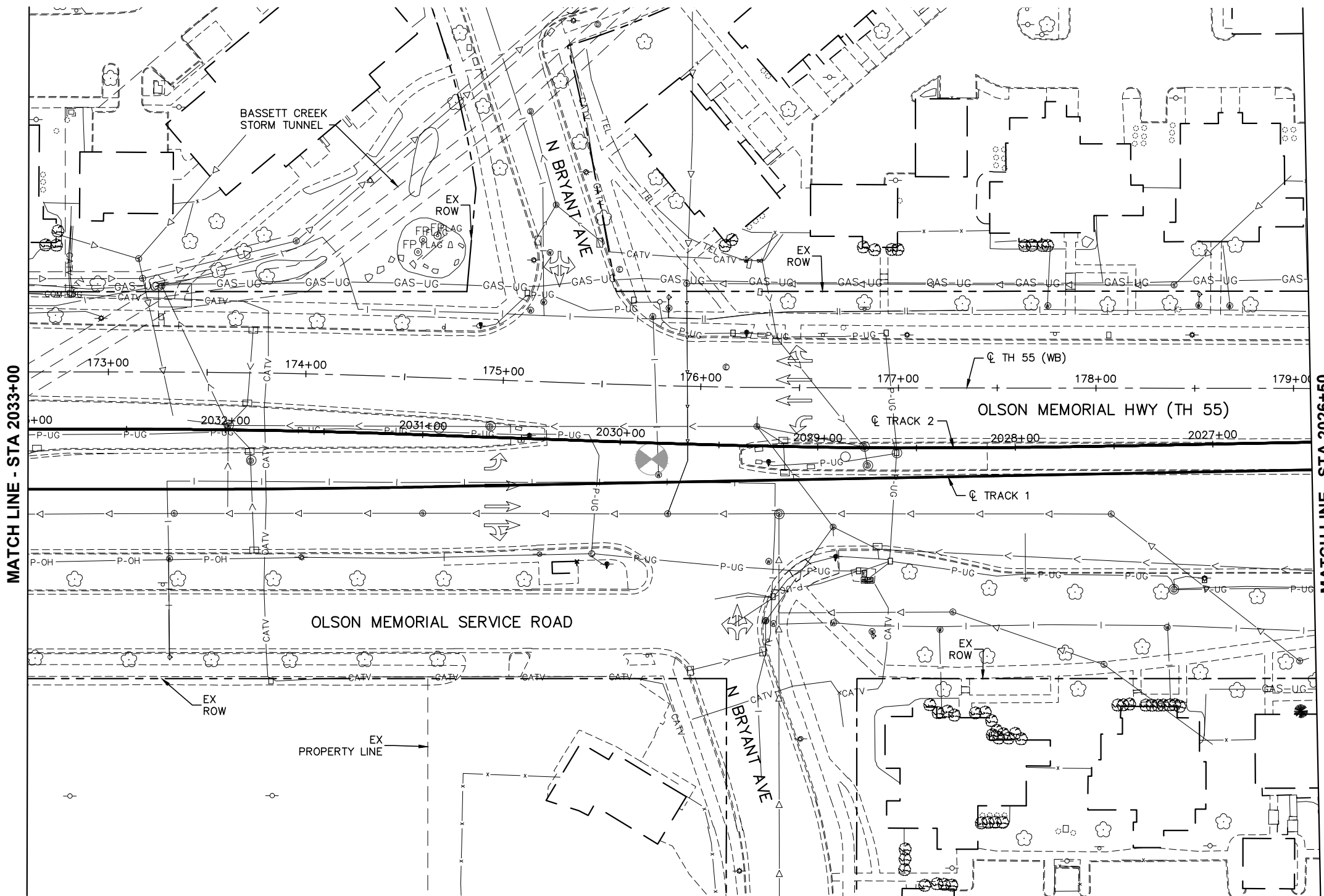
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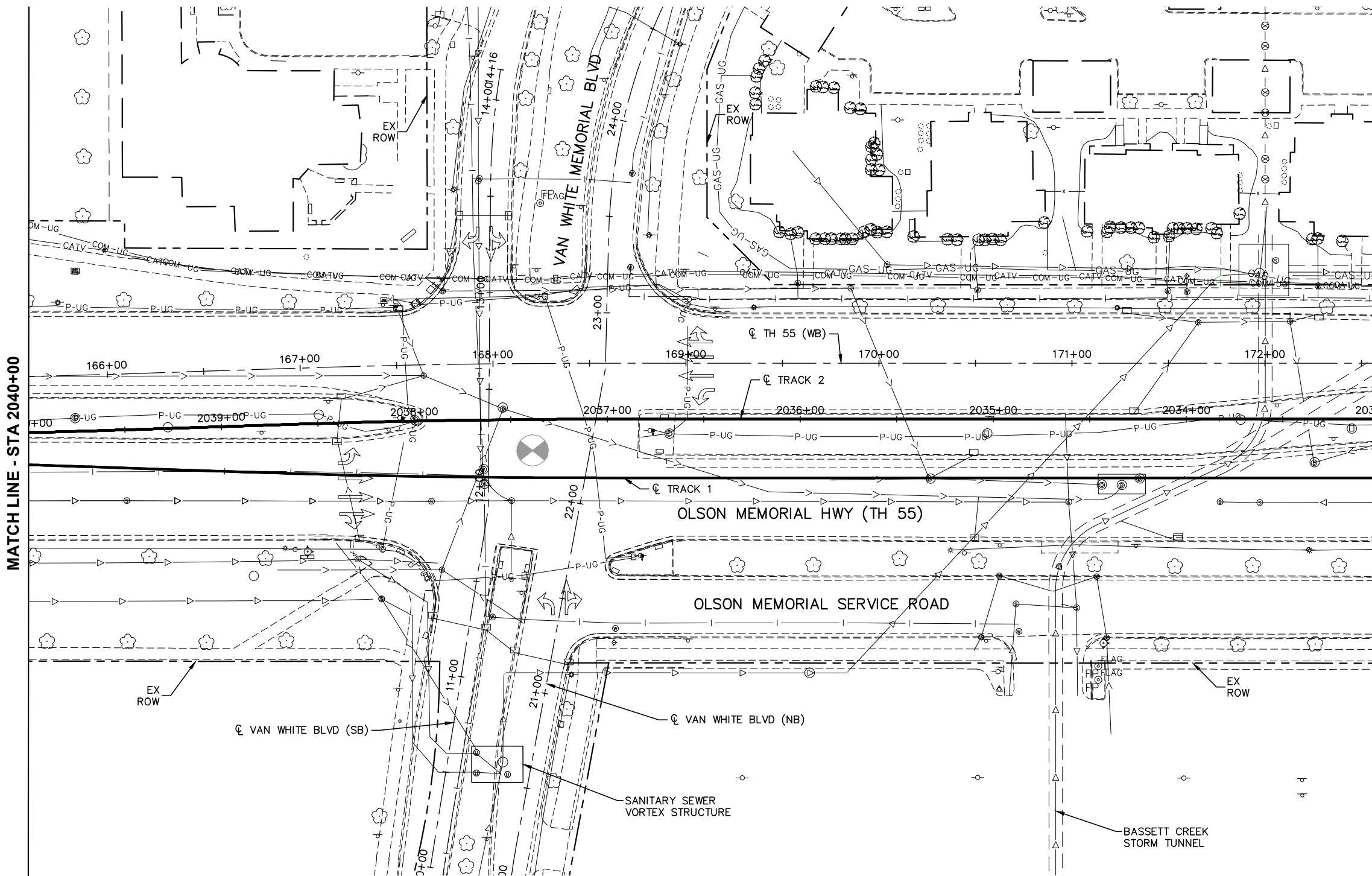
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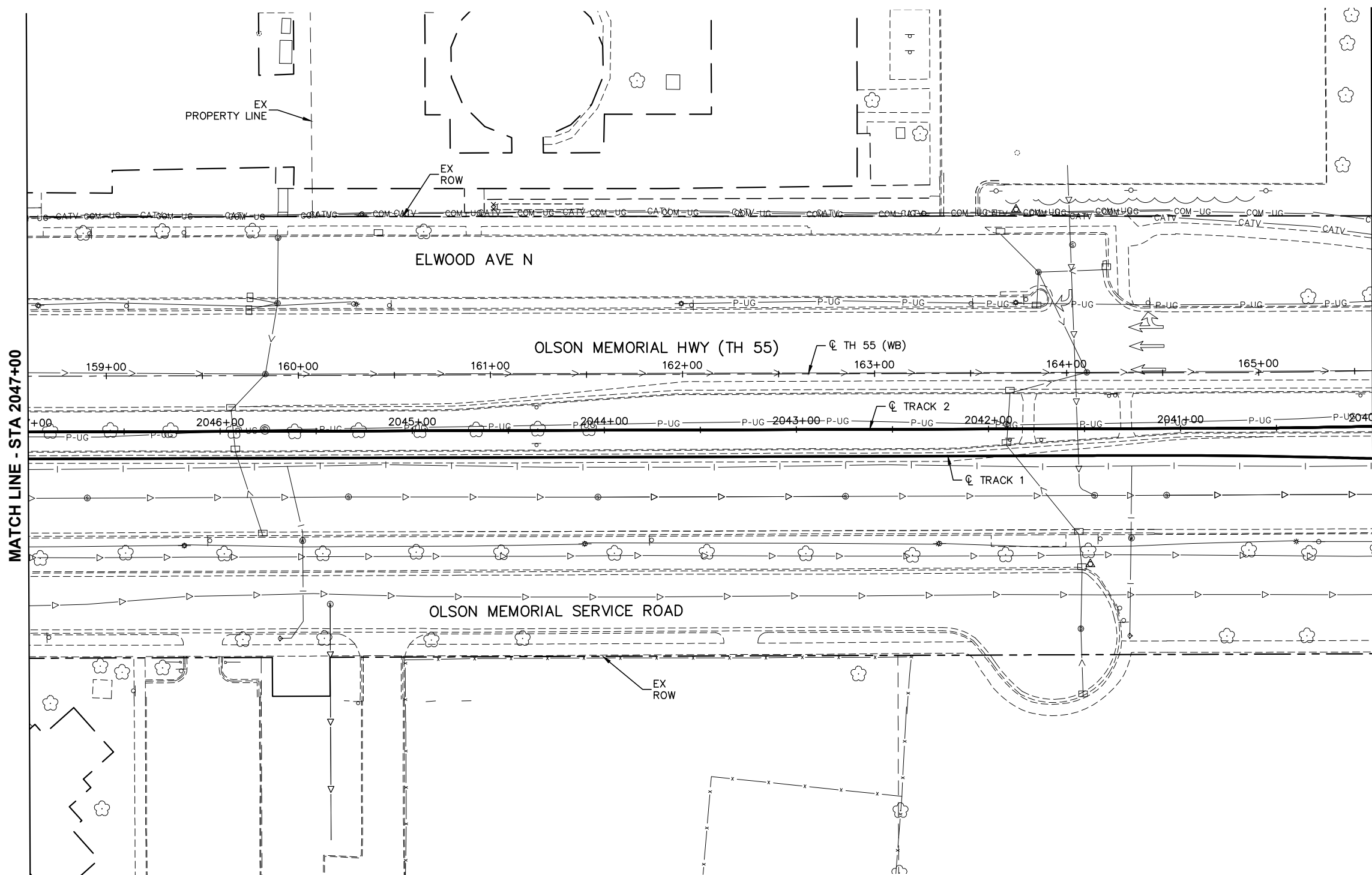
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METRO BLUE LINE EXTENSION

 METROPOLITAN COUNCIL

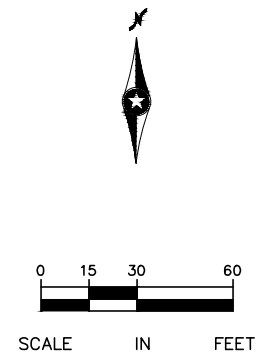
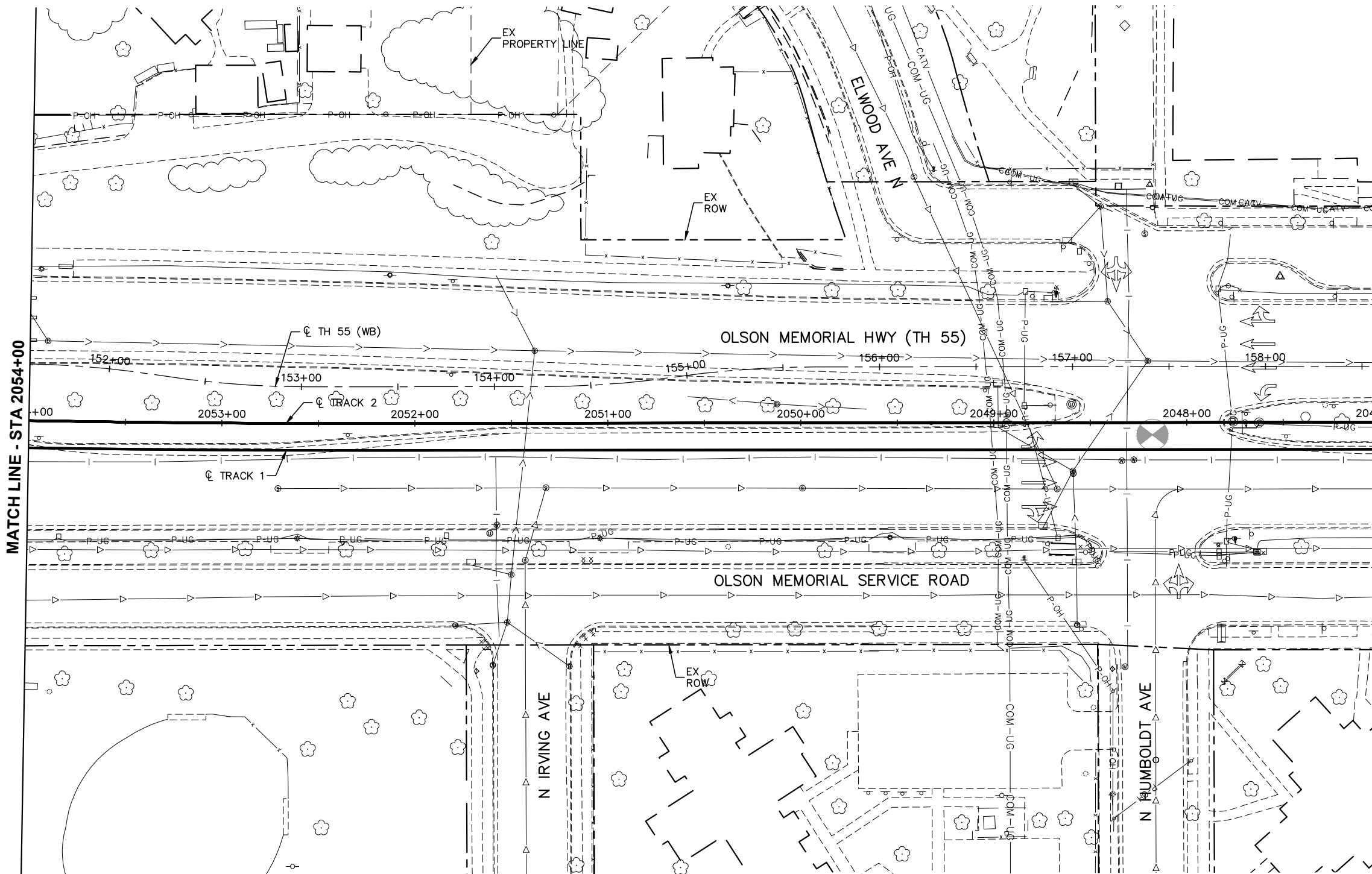
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EXISTING CONDITIONS
STA 2040+00 TO STA 2047+00

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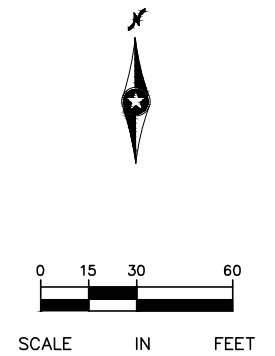
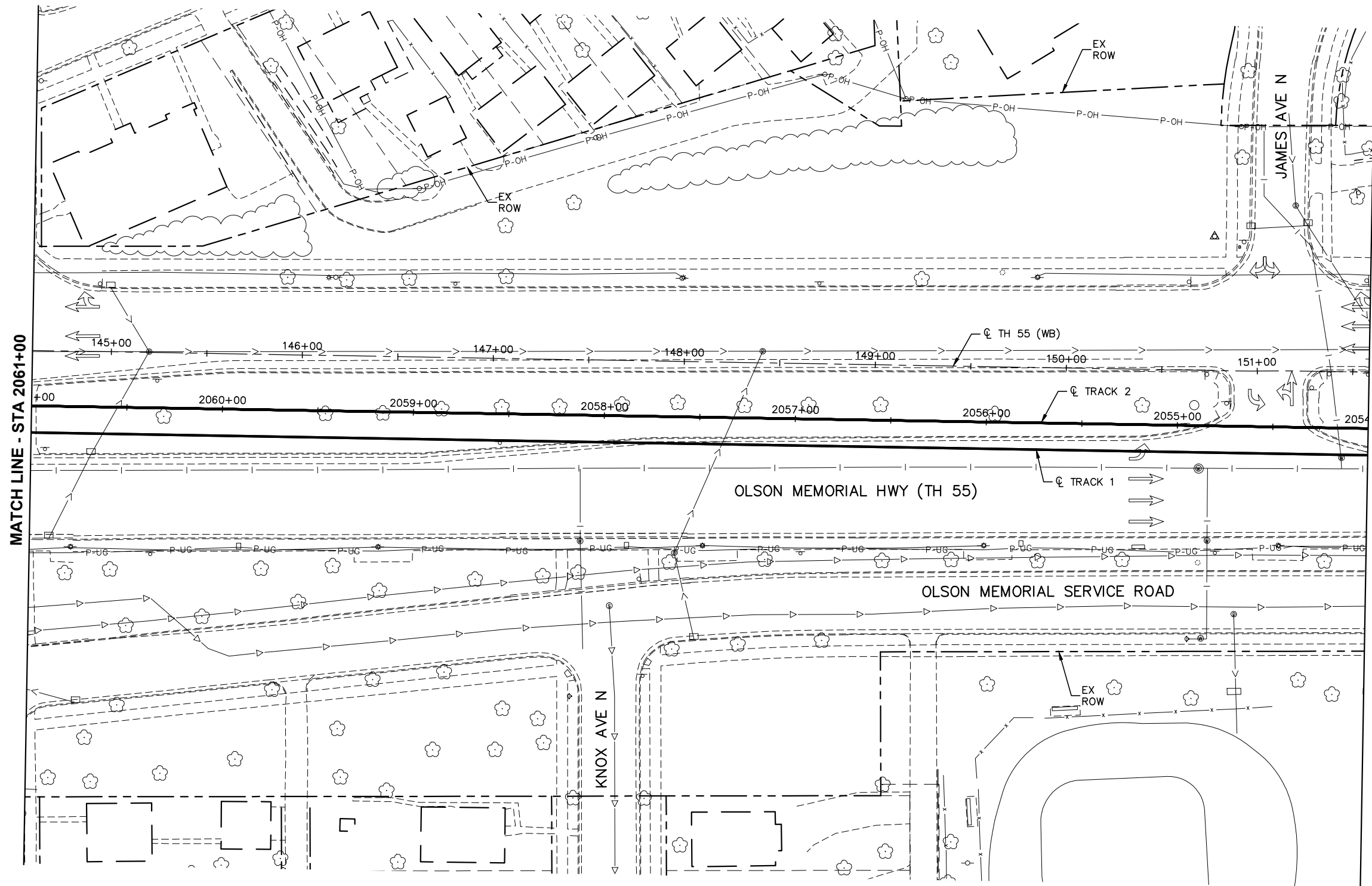
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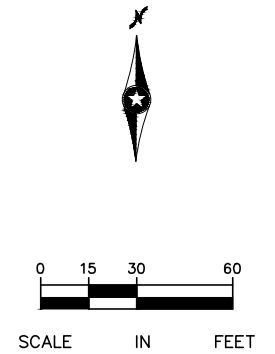
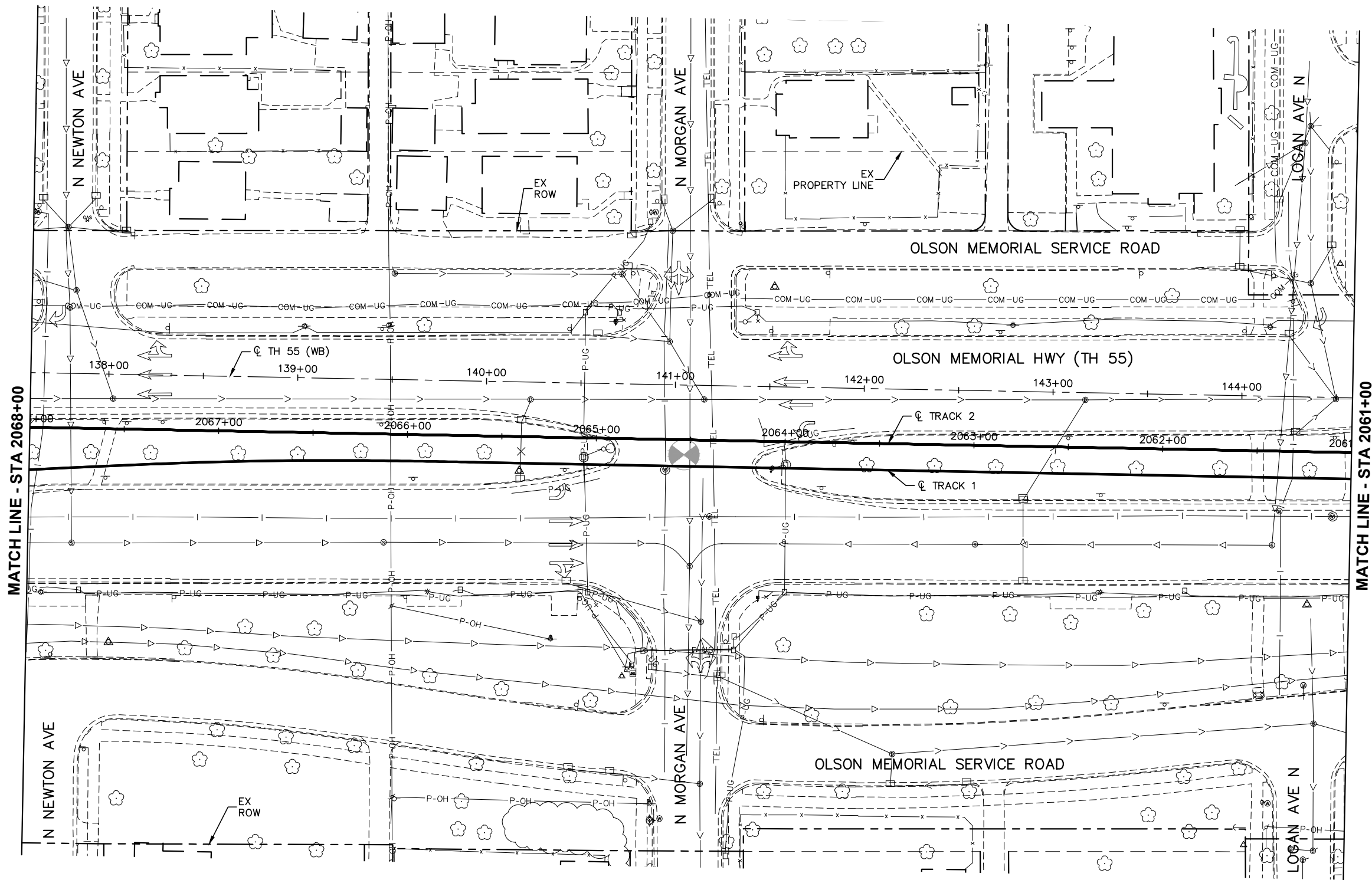
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EXISTING CONDITIONS
STA 2061+00 TO STA 2068+00**

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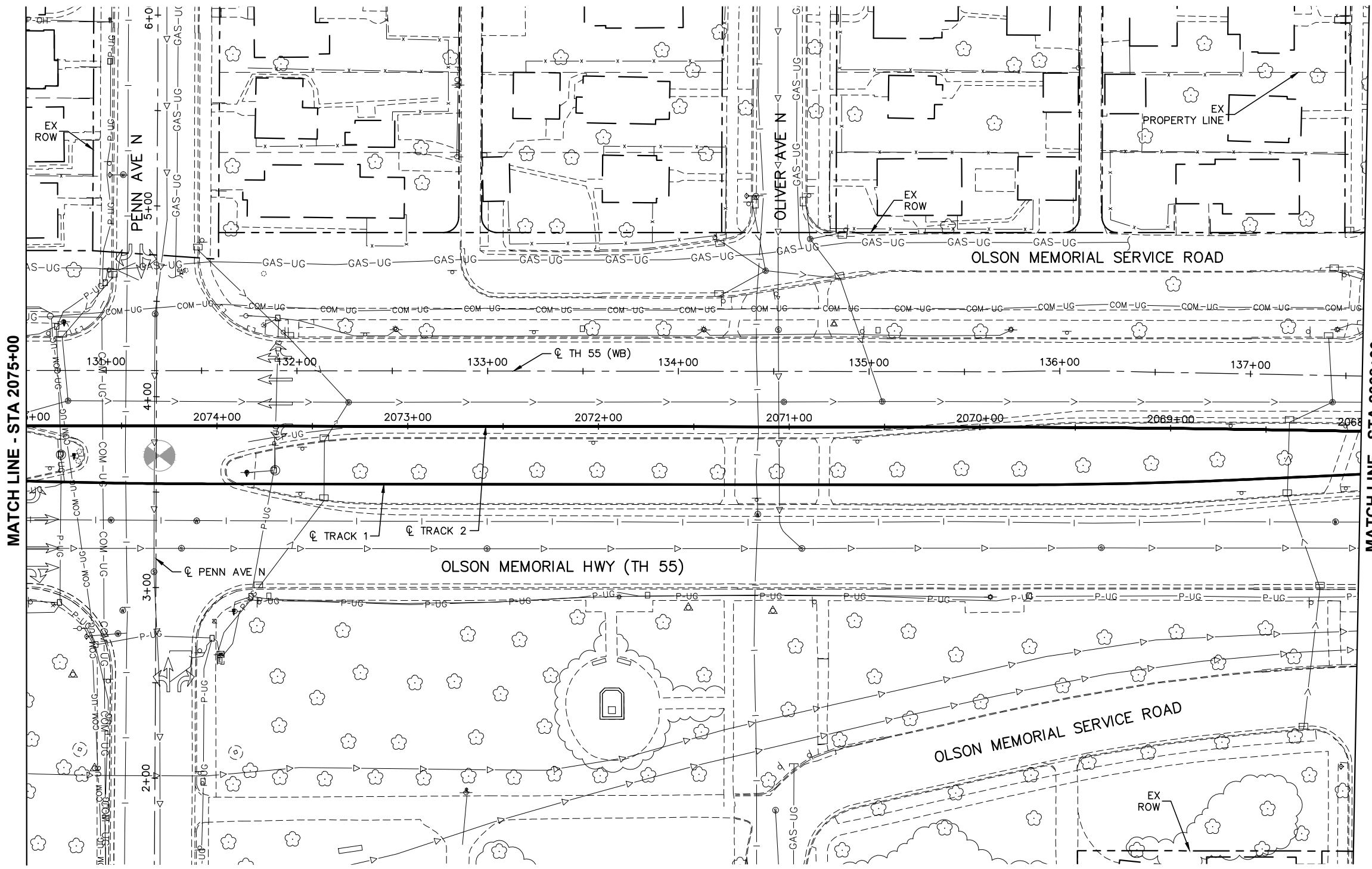
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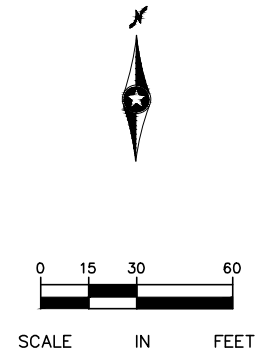
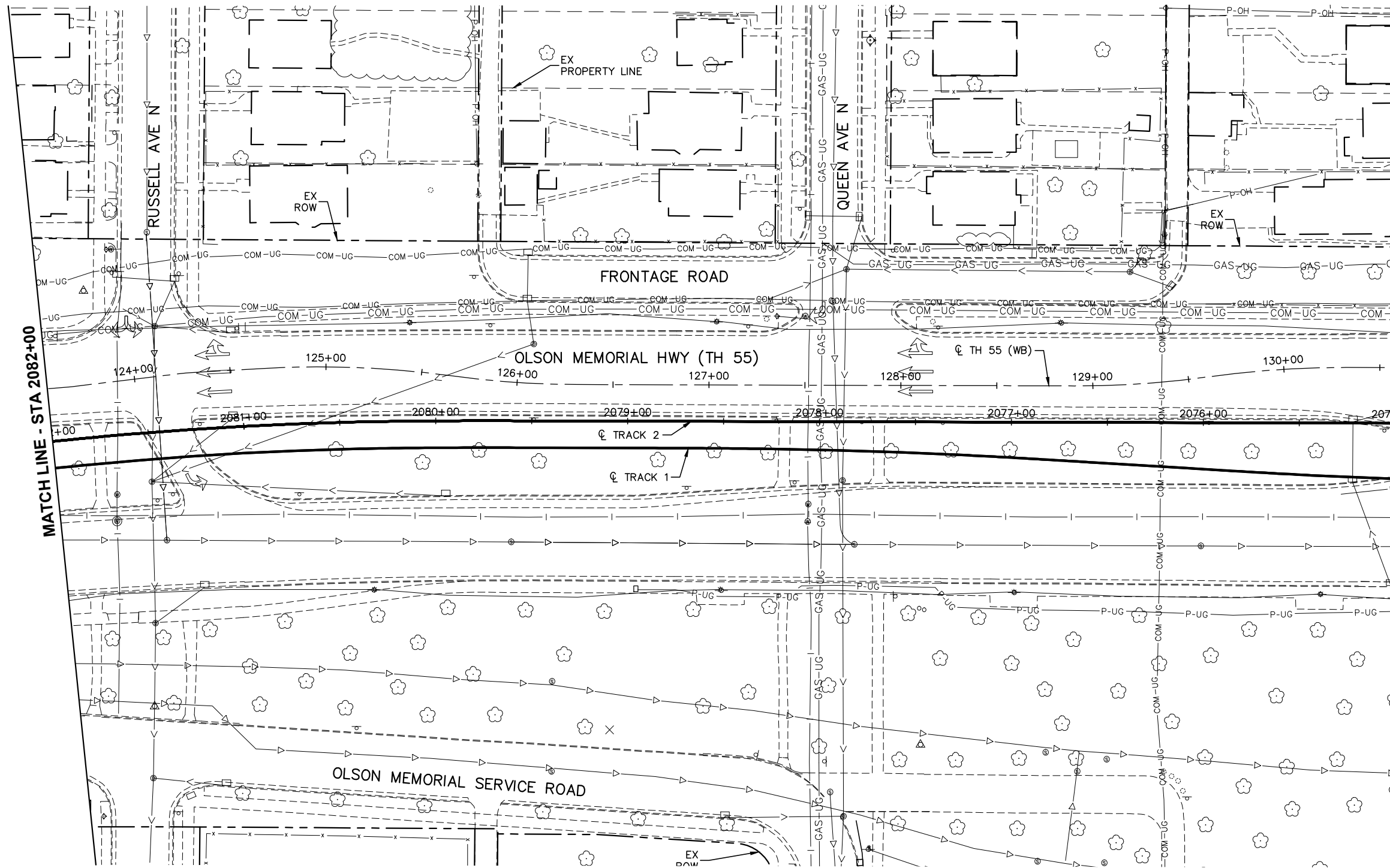
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OLSON MEMORIAL HWY (TH55)
EXISTING CONDITIONS
STA 2068+00 TO STA 2075+00

DISCIPLINE: SURVEY

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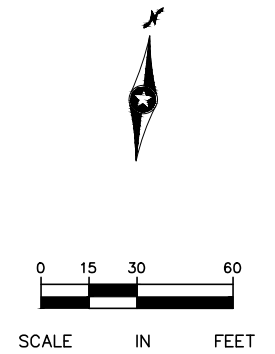
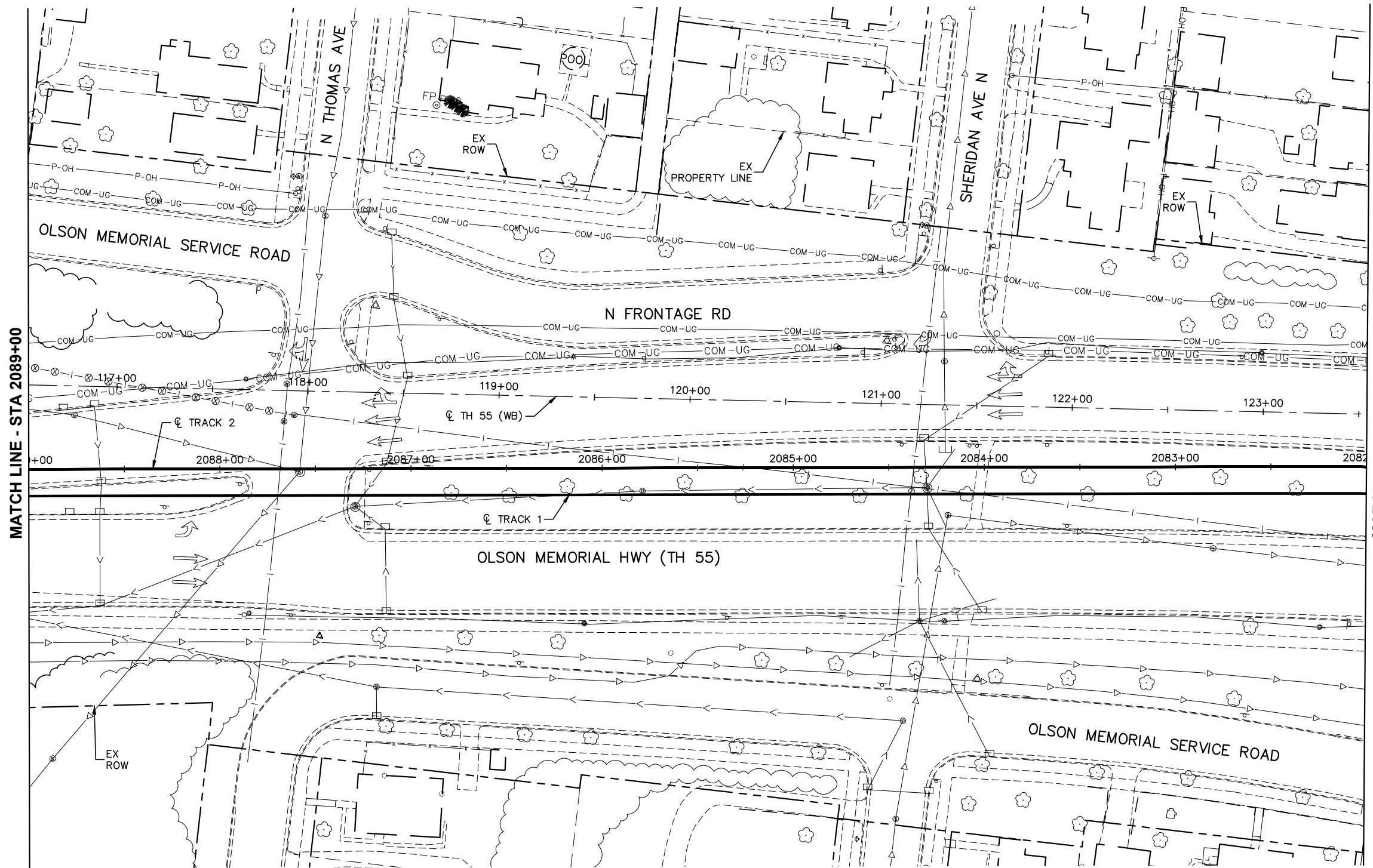
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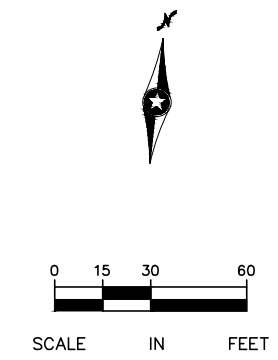
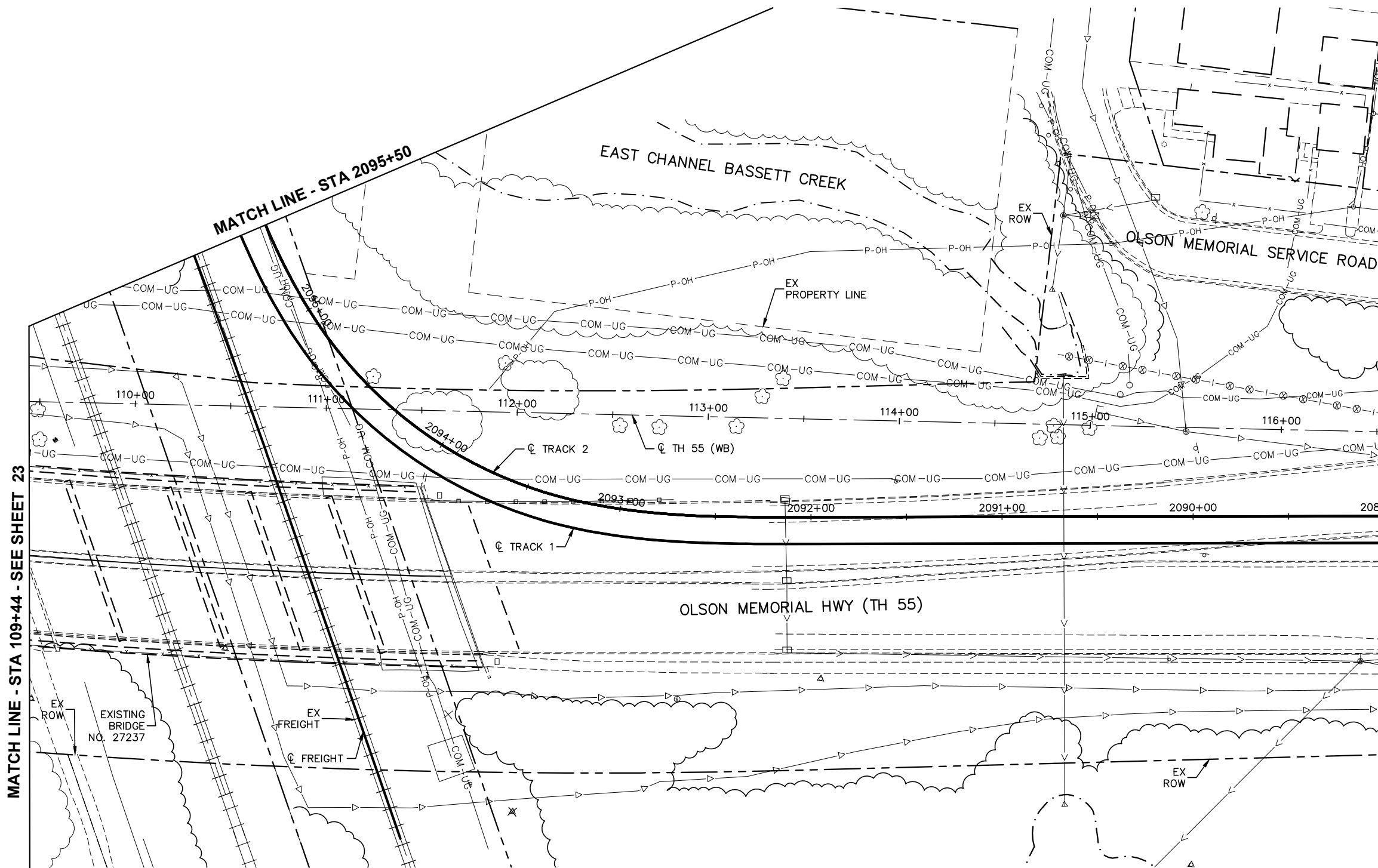
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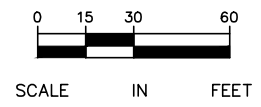
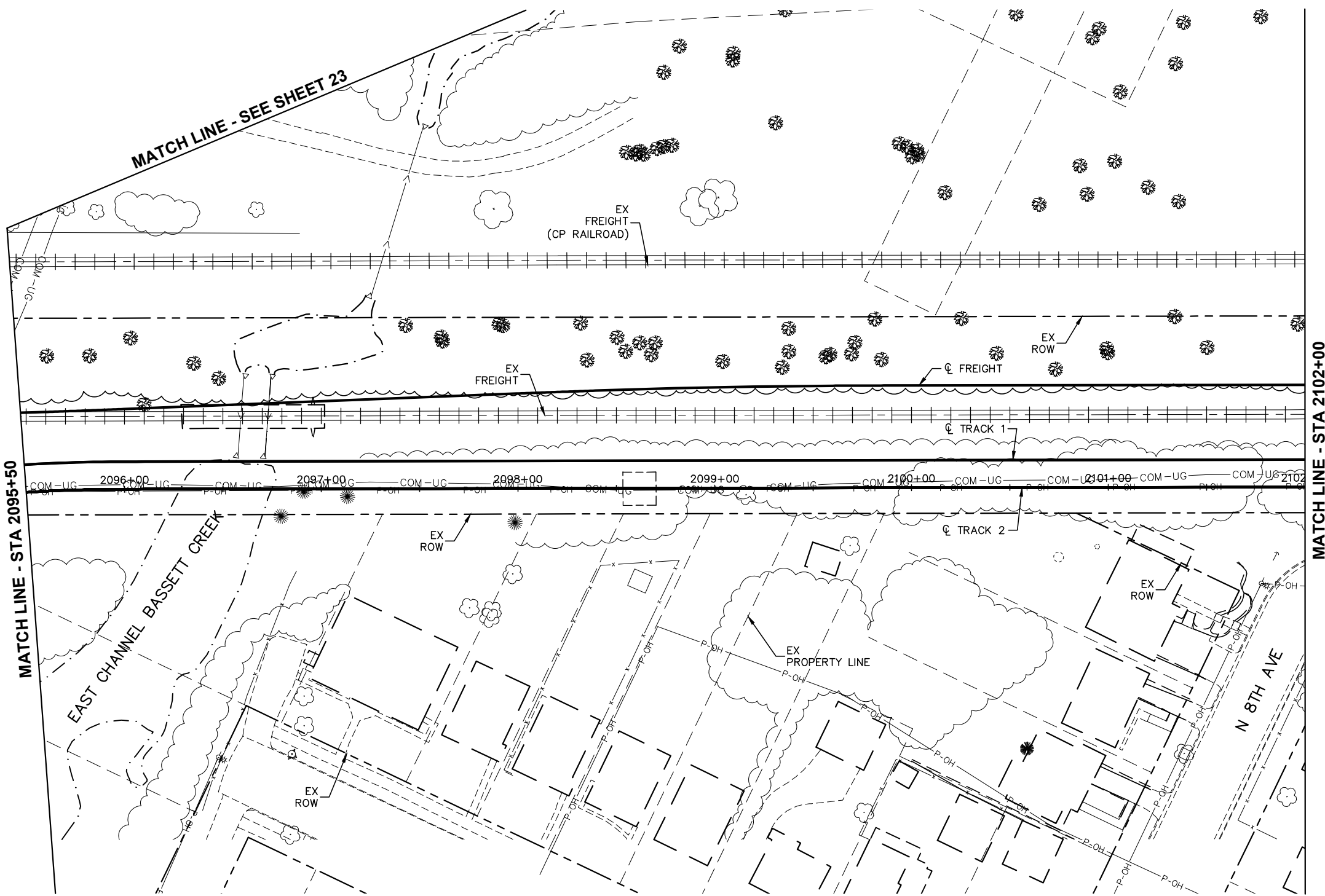


**SEGMENT M
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EXISTING CONDITIONS
STA 2089+00 TO STA 2095+50**

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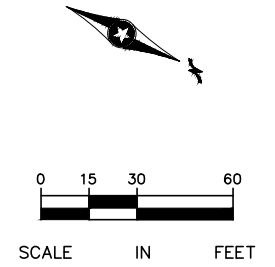
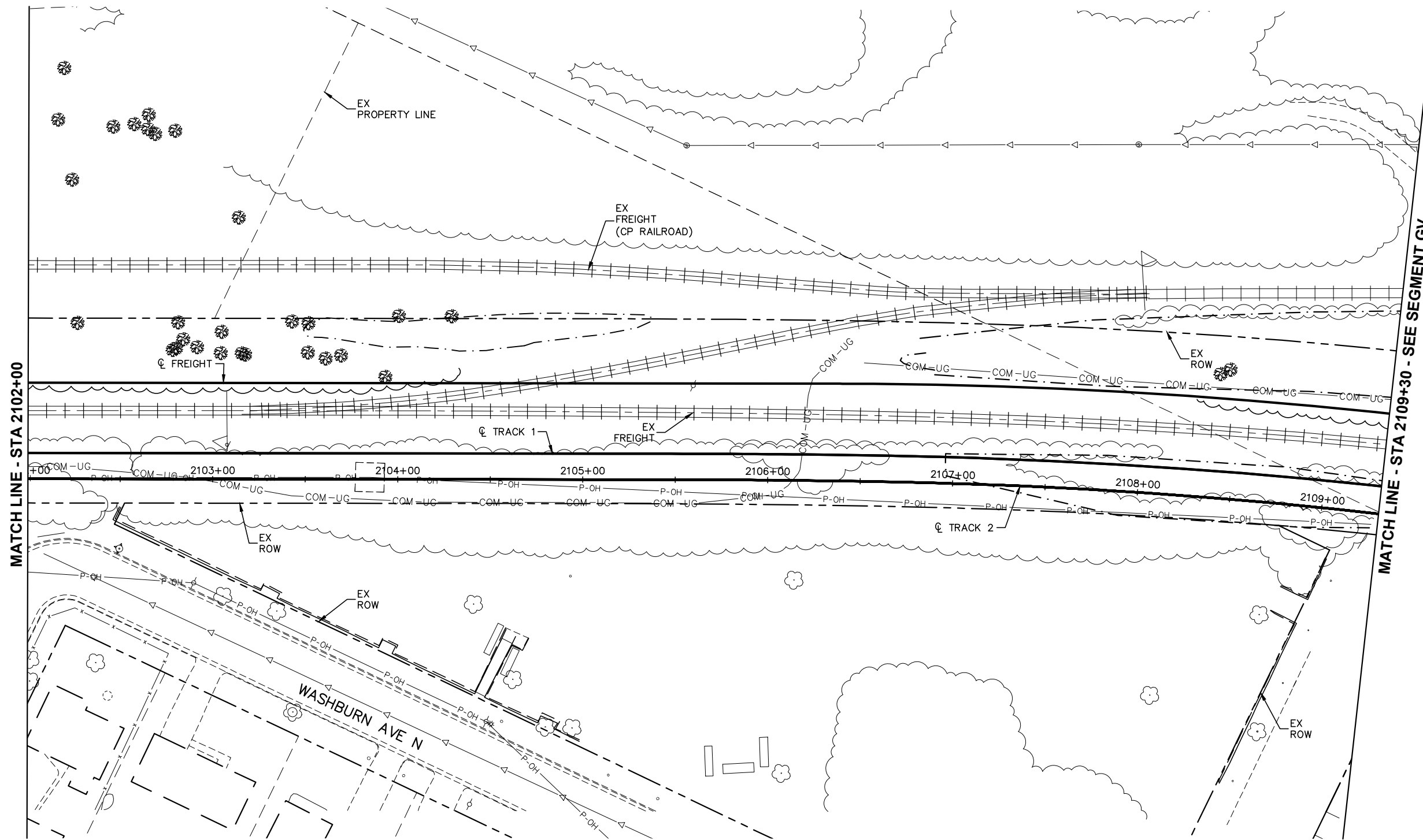
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RAIL CORRIDOR
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STA 2095+50 TO STA 2102+00**

DISCIPLINE: SURVEY

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn



MUNICIPAL CONSENT



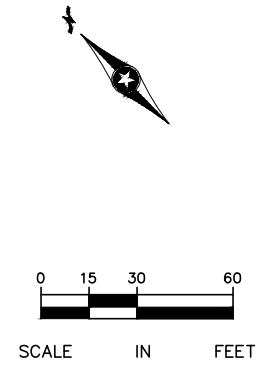
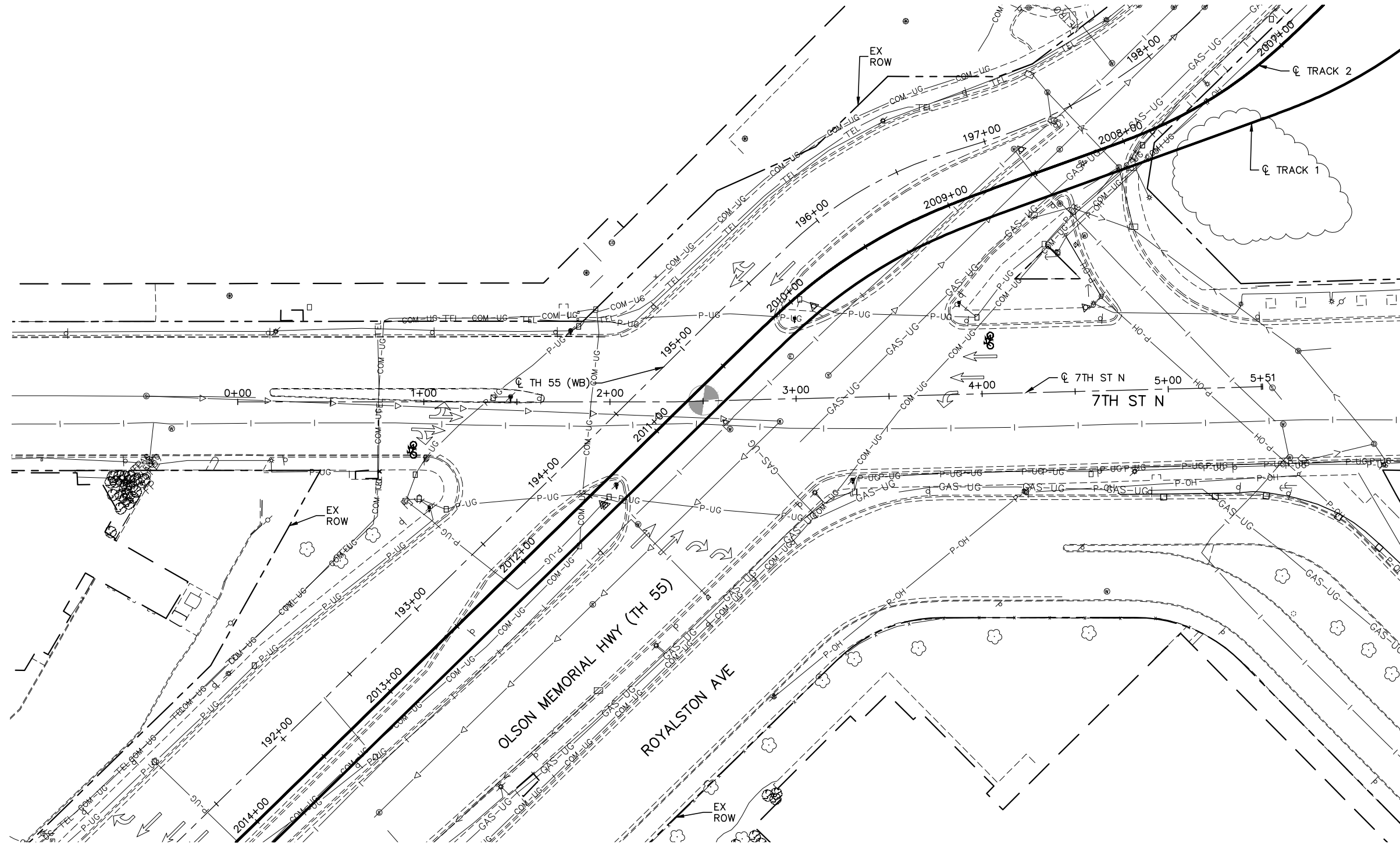
**SEGMENT M
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2102+00 TO STA 2109+30**

DISCIPLINE: SURVEY

SHEET NAME: M-EXCON-PLN-016

SHEET
19
OF
107

Dec. 02 2015 03:23 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-EXCON-PLN.dwg By: V-MuelleAL



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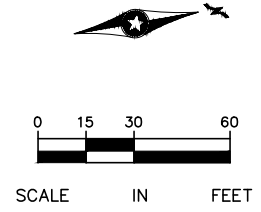
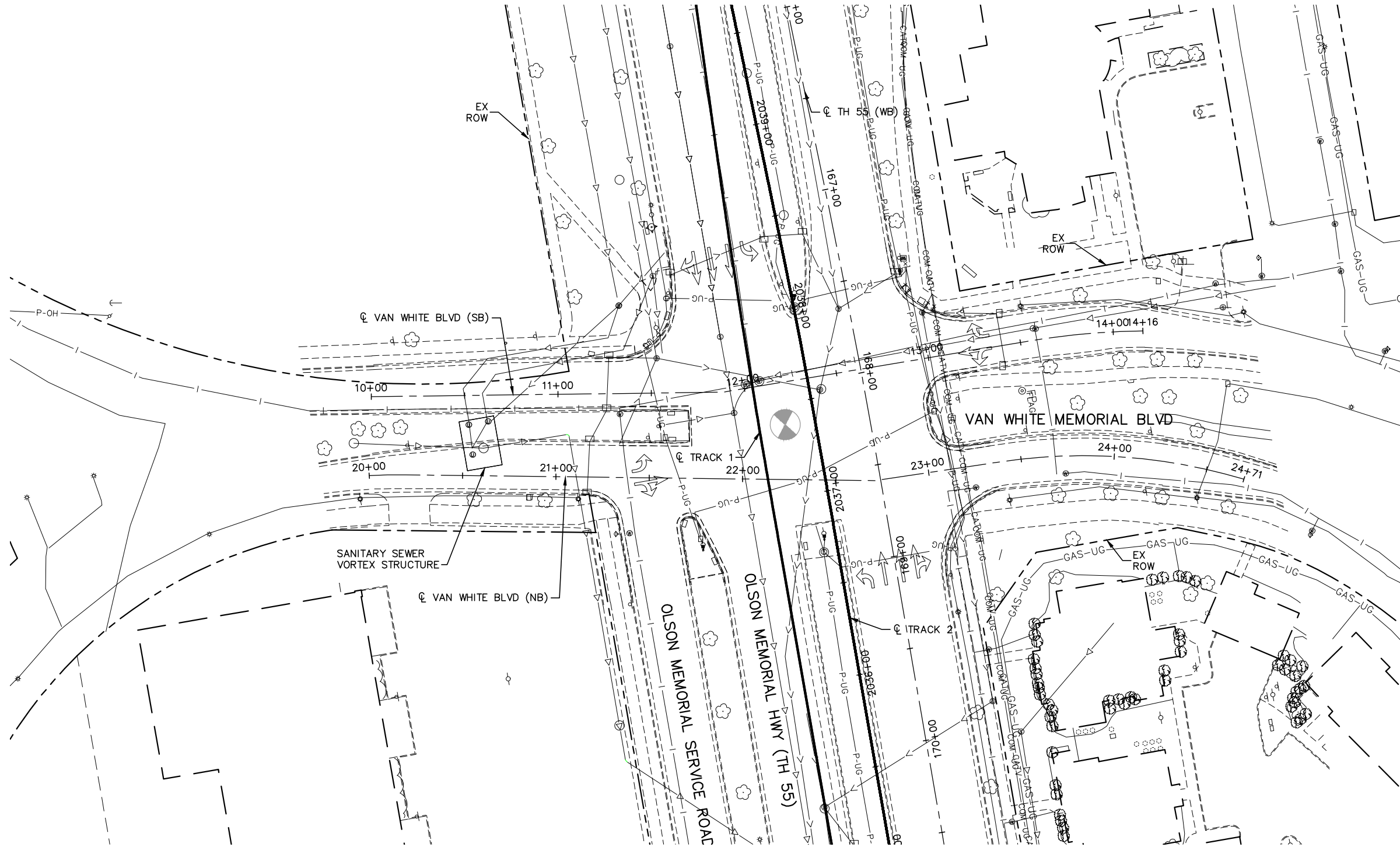


MUNICIPAL CONSENT



SEGMENT M 7TH ST N EXISTING CONDITIONS STA 0+00 TO STA 5+51		SHEET 20 OF 107
DISCIPLINE:	SURVEY	SHEET NAME: M-EXCON-PLN-017

Dec. 02 2015 03:23 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-EXCON-PLN.dwg By: V-Muellel



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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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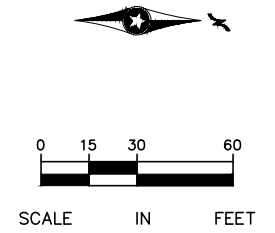
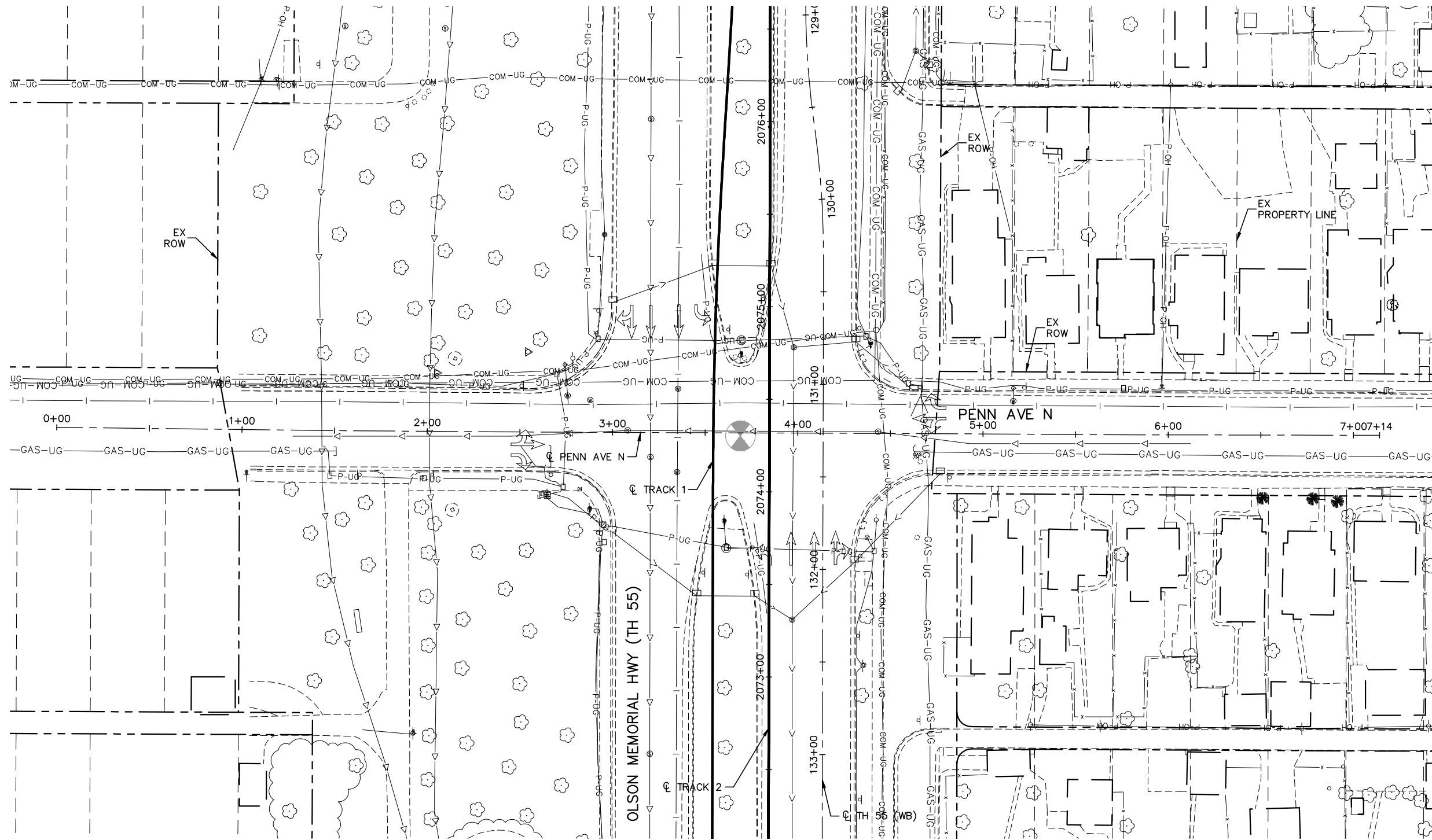
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VAN WHITE BLVD
EXISTING CONDITIONS
STA 0+00 TO STA 4+71**

DISCIPLINE: SURVEY

SHEET NAME: M-EXCON-PLN-018

SHEET
21
OF
107

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**SEGMENT M
PENN AVE N
EXISTING CONDITIONS
STA 0+00 TO STA 7+14**

SHEET

22

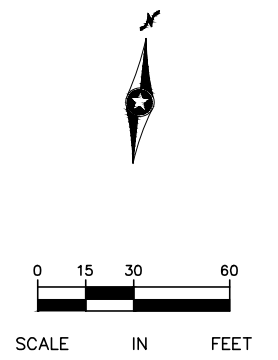
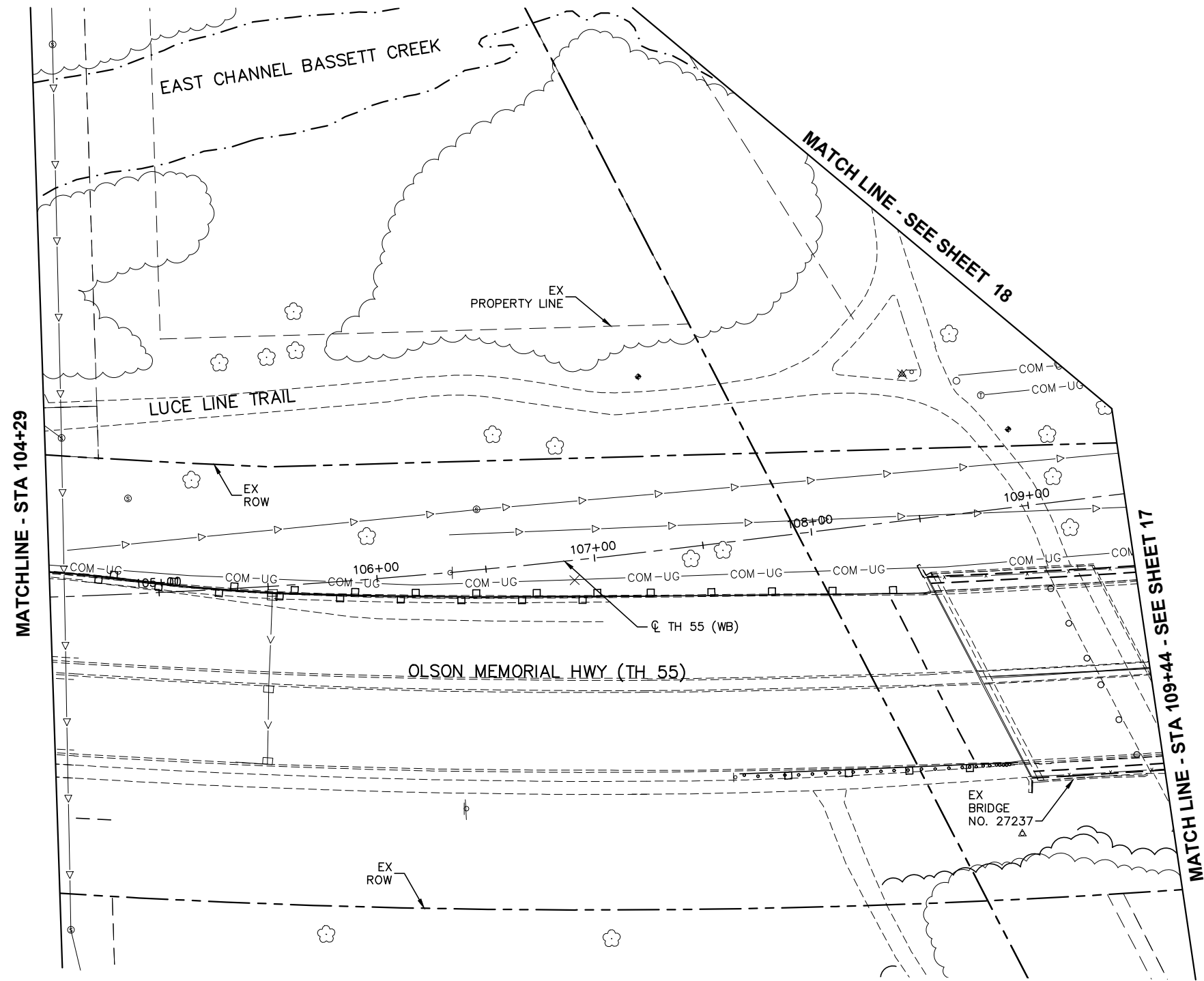
OF

107

DISCIPLINE: SURVEY

SHEET NAME: M-EXCON-PLN-019

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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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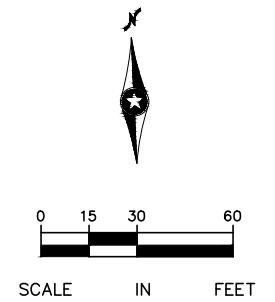
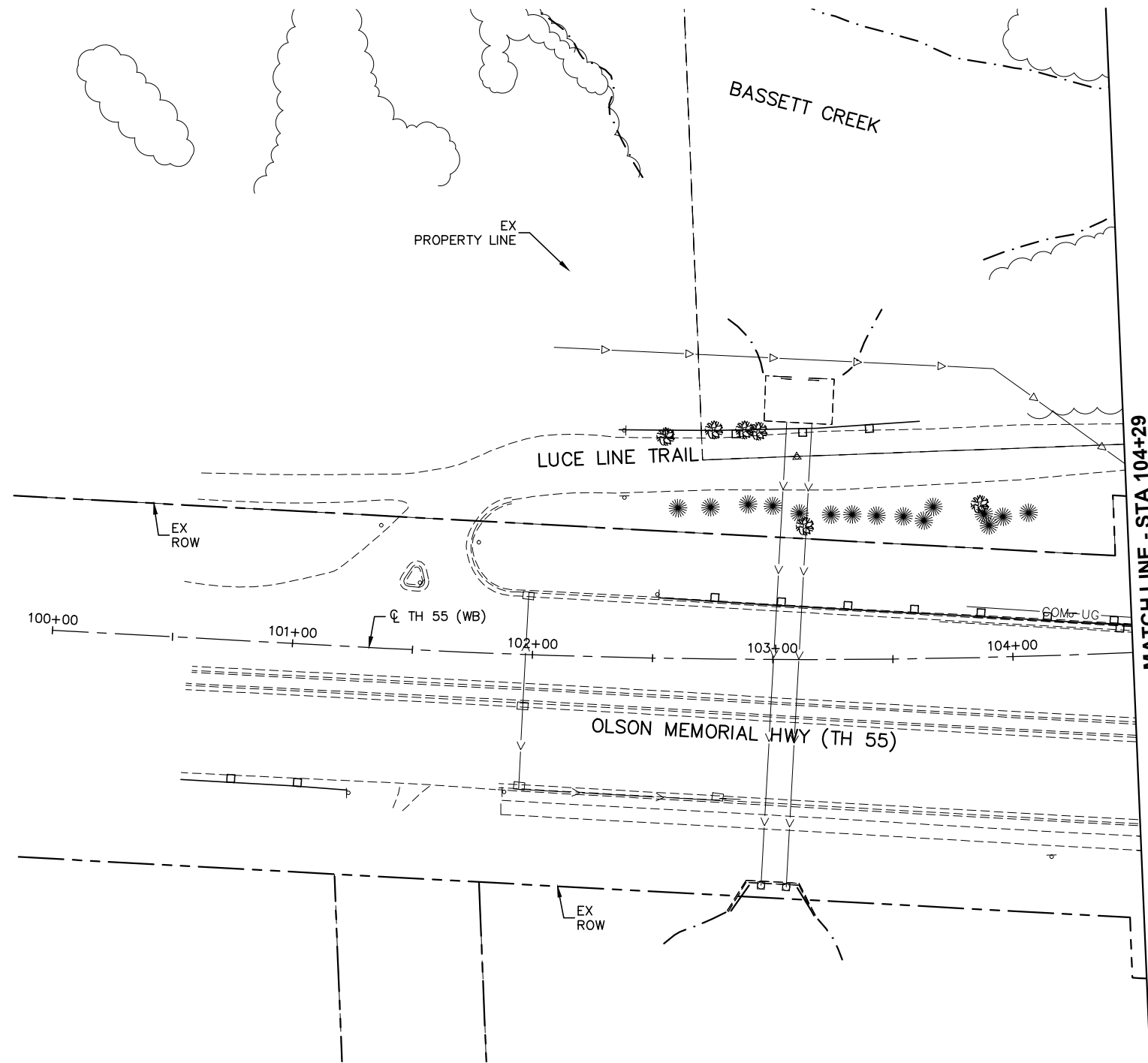


**SEGMENT M
OLSON MEMORIAL HWY (TH55)
EXISTING CONDITIONS
STA 104+29 TO STA 109+44**

**SHEET
23
OF
107**

DISCIPLINE: SURVEY SHEET NAME: M-EXCON-PLN-020

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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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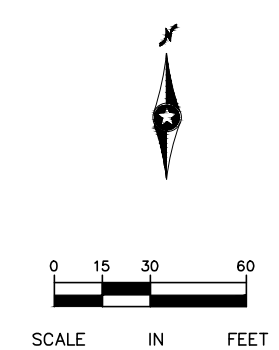
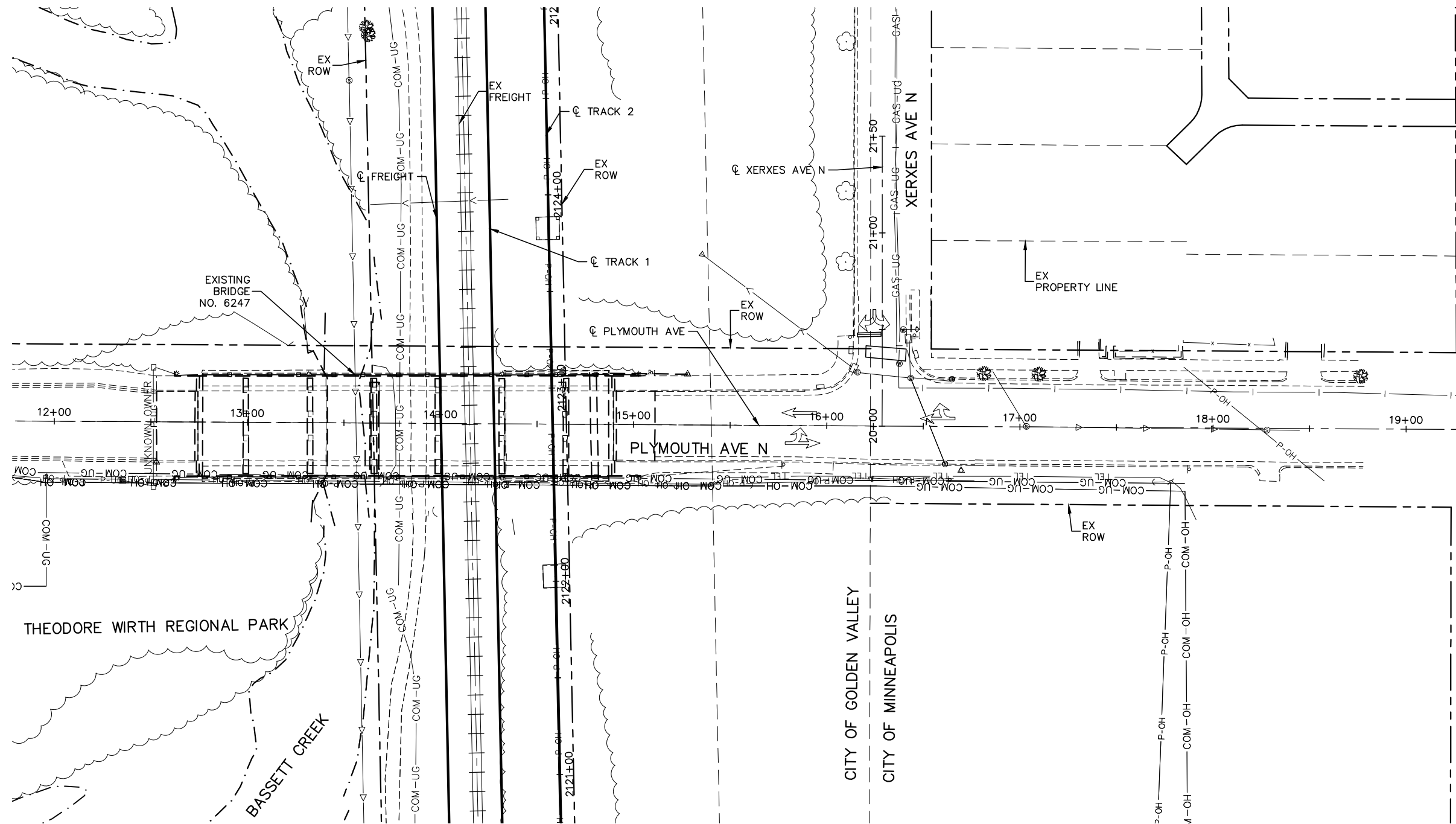
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OLSON MEMORIAL HWY (TH55)
EXISTING CONDITIONS
STA 100+00 TO STA 104+29**

DISCIPLINE: SURVEY

SHEET NAME: M-EXCON-PLN-021

SHEET
24
OF
107

Dec. 02 2015 03:26 pm H:\BPO\550_Design_Consultant\CAD\005-SEGMENT-GV\MC\PLAN SHEETS\CIVIL\GV-EXCON-PLN.dwg By: V-MuelleAL



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Kimley»Horn

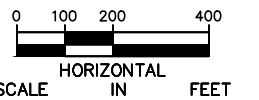
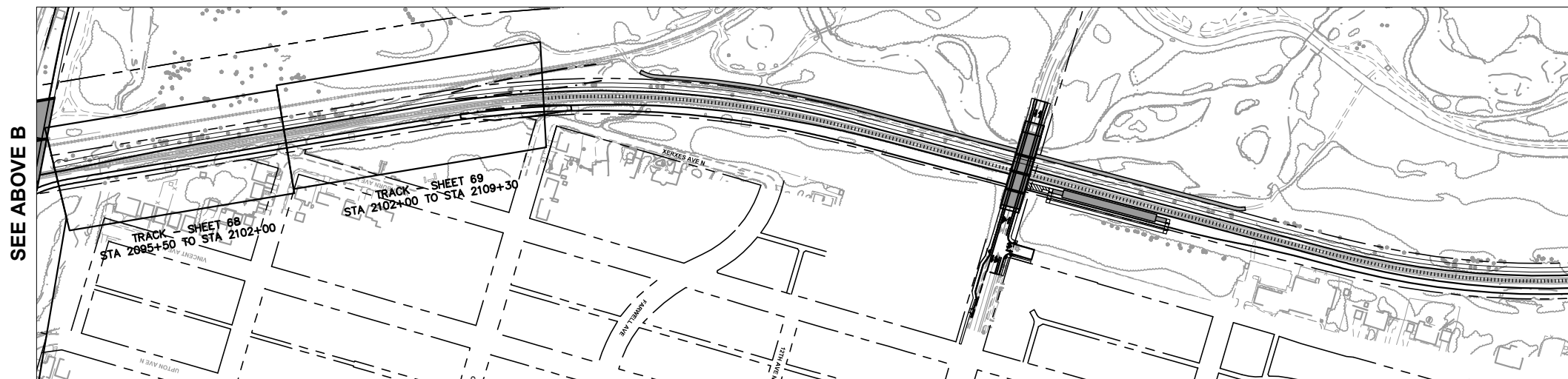
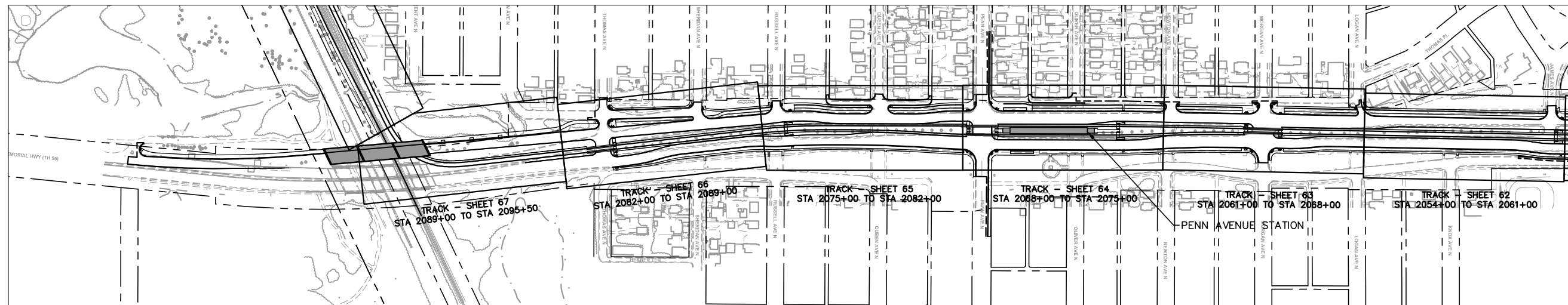
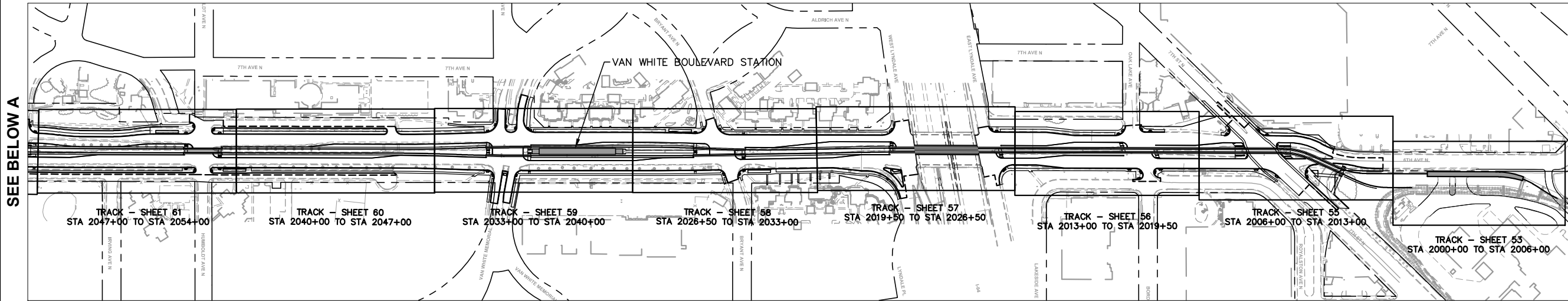


MUNICIPAL CONSENT



SEGMENT M PLYMOUTH AVE N EXISTING CONDITIONS STA 11+78 TO STA 19+32		SHEET 25 OF 107
DISCIPLINE:	SURVEY	SHEET NAME: M-EXCON-PLN-022

Dec. 09 2015 04:10 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK M-TRK-IDX.dwg By: V-MuelleAL



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MUNICIPAL CONSENT



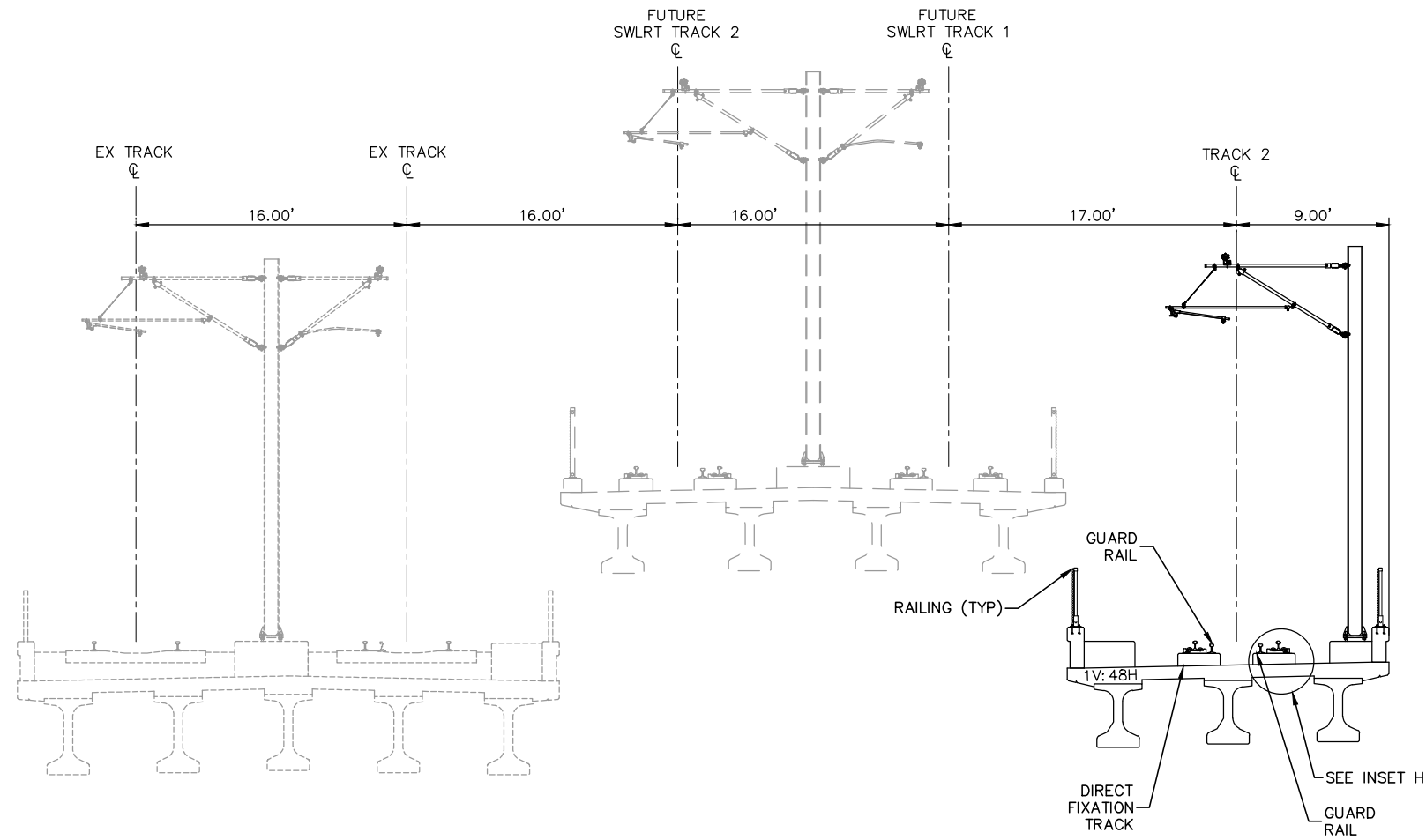
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TRACK
SHEET LAYOUT INDEX**

DISCIPLINE: TRACK

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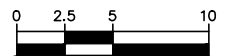
SHEET
26
OF
107

Dec. 03 2015 03:21 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataoJM



TYPICAL SECTION
BRIDGE OVER HERC DRIVEWAY
STA. 2000+00 TO 2004+79

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

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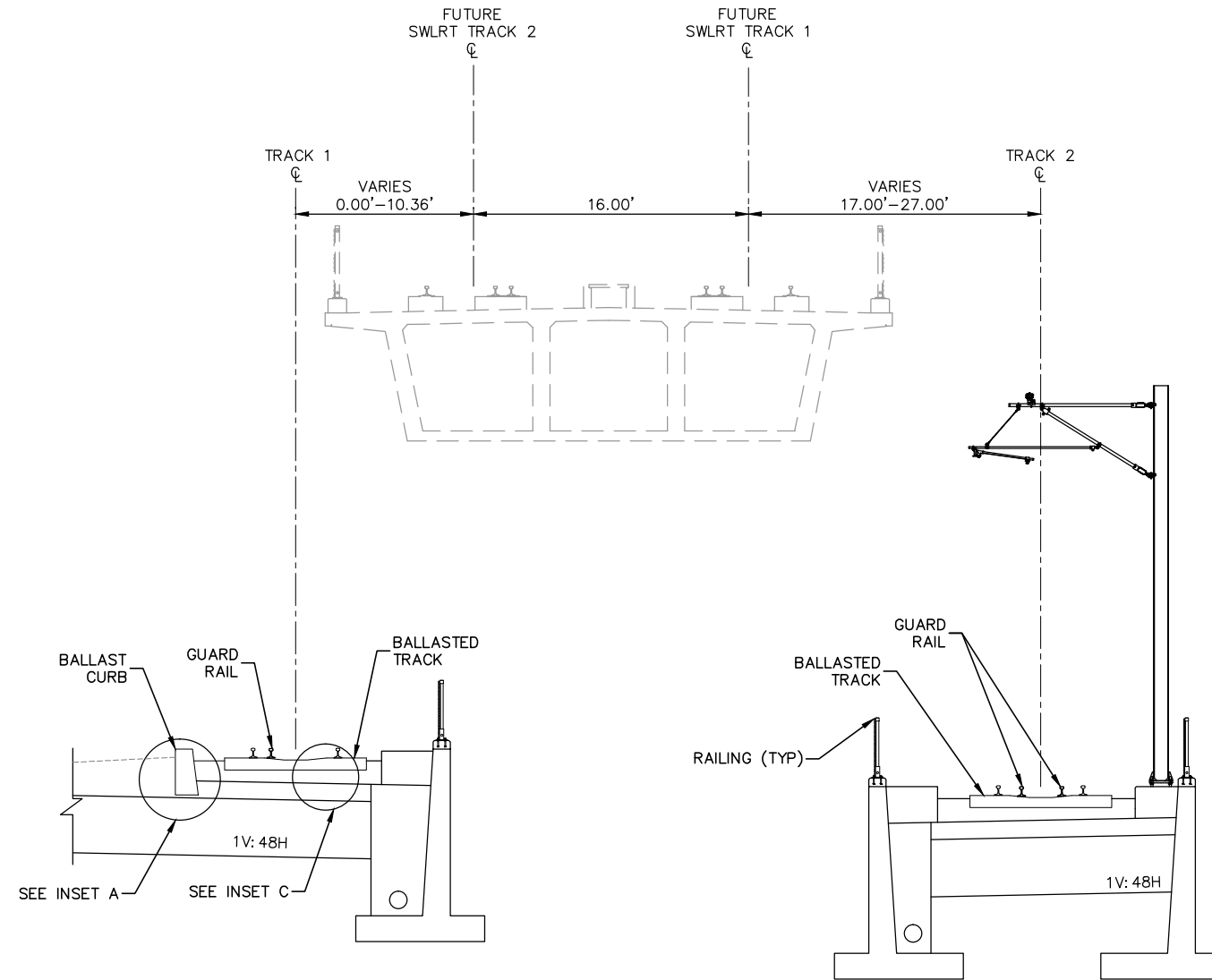
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TYPICAL SECTIONS**

DISCIPLINE: TRACK

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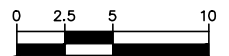
SHEET
27
OF
107

Dec. 03 2015 03:22 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataJM



TYPICAL SECTION
STA. 2004+79 TO 2007+70

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



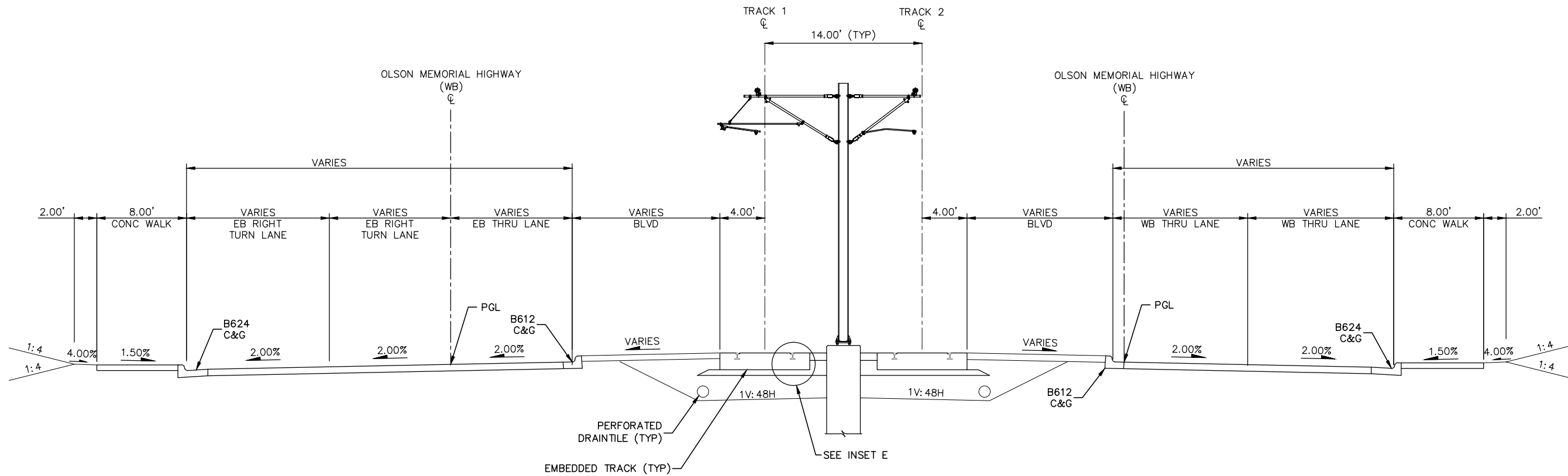
**SEGMENT M
TRACK
TYPICAL SECTIONS**

DISCIPLINE: **TRACK**

SHEET NAME: **M-TRK-TYPS-002**

SHEET
28
OF
107

Dec. 03 2015 03:22 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
STA. 2007+70 TO 2012+14

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



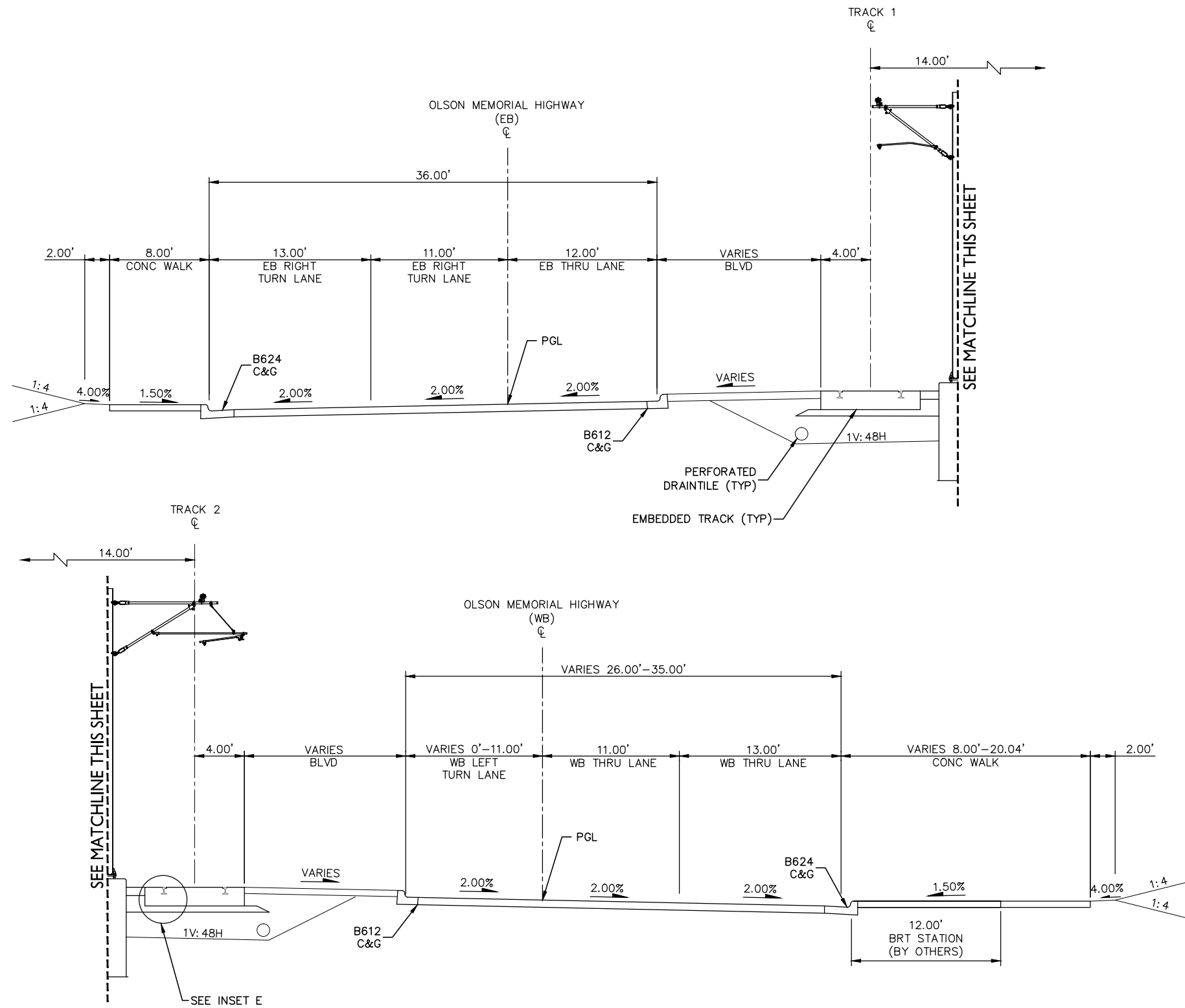
**SEGMENT M
TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-003

SHEET
29
OF
107

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TYPICAL SECTION
STA. 2012+14 TO 2013+20

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



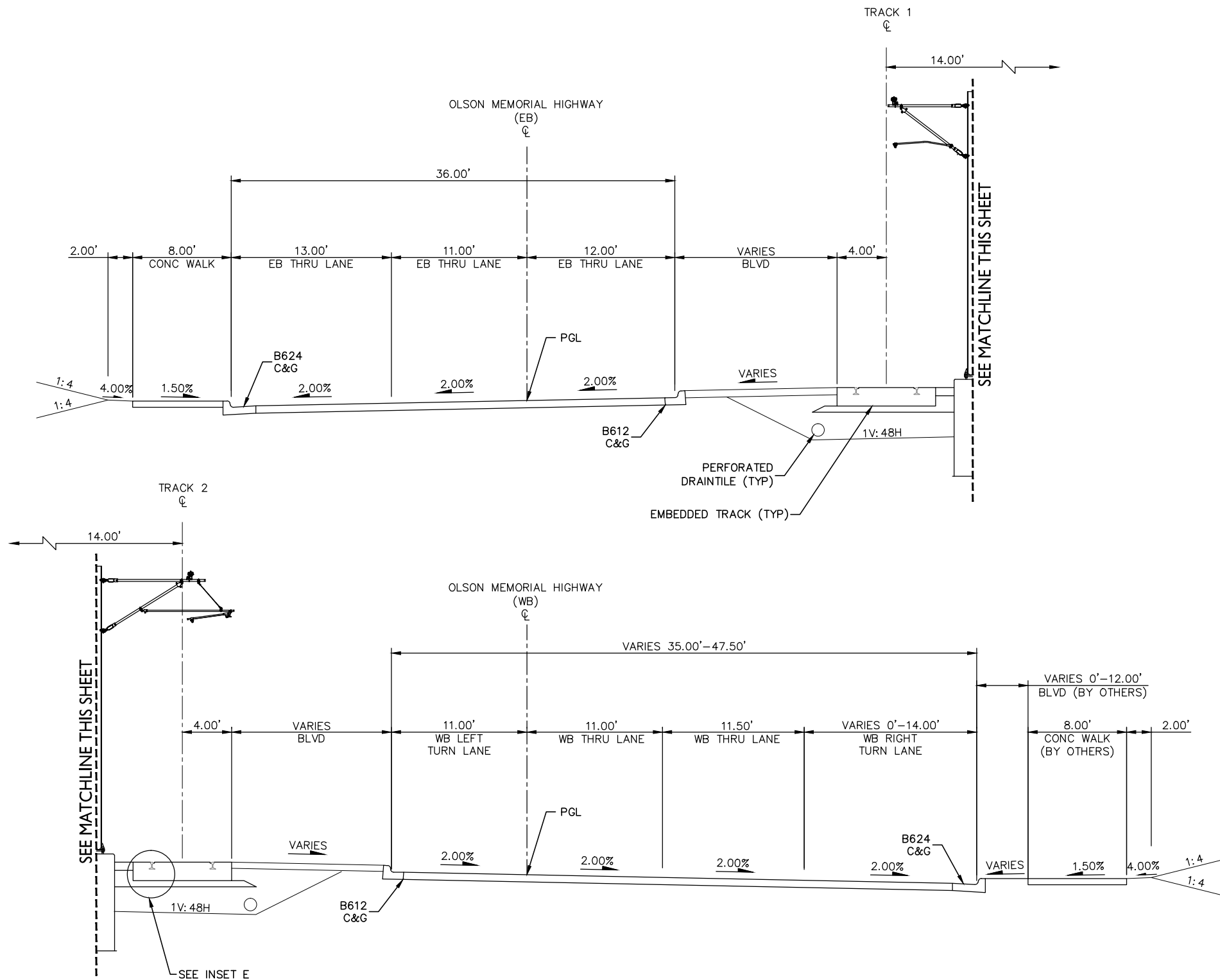
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TYPICAL SECTIONS**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-004

SHEET
30
OF
107

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TYPICAL SECTION
STA. 2013+20 TO 2015+50

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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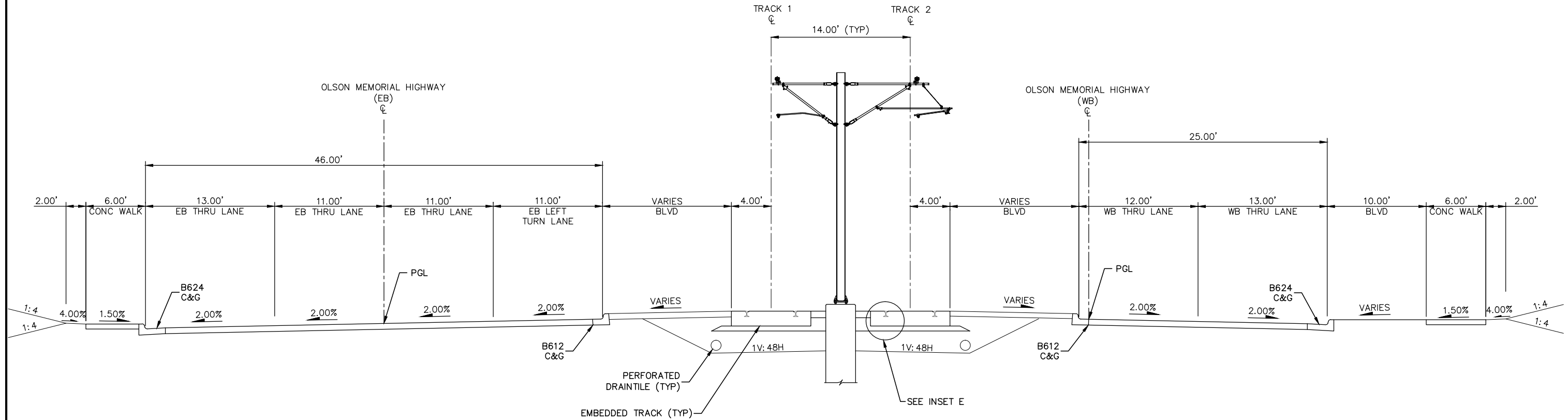
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TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-005

**SHEET
31
OF
107**

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TYPICAL SECTION
STA. 2015+50 TO 2017+41

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT



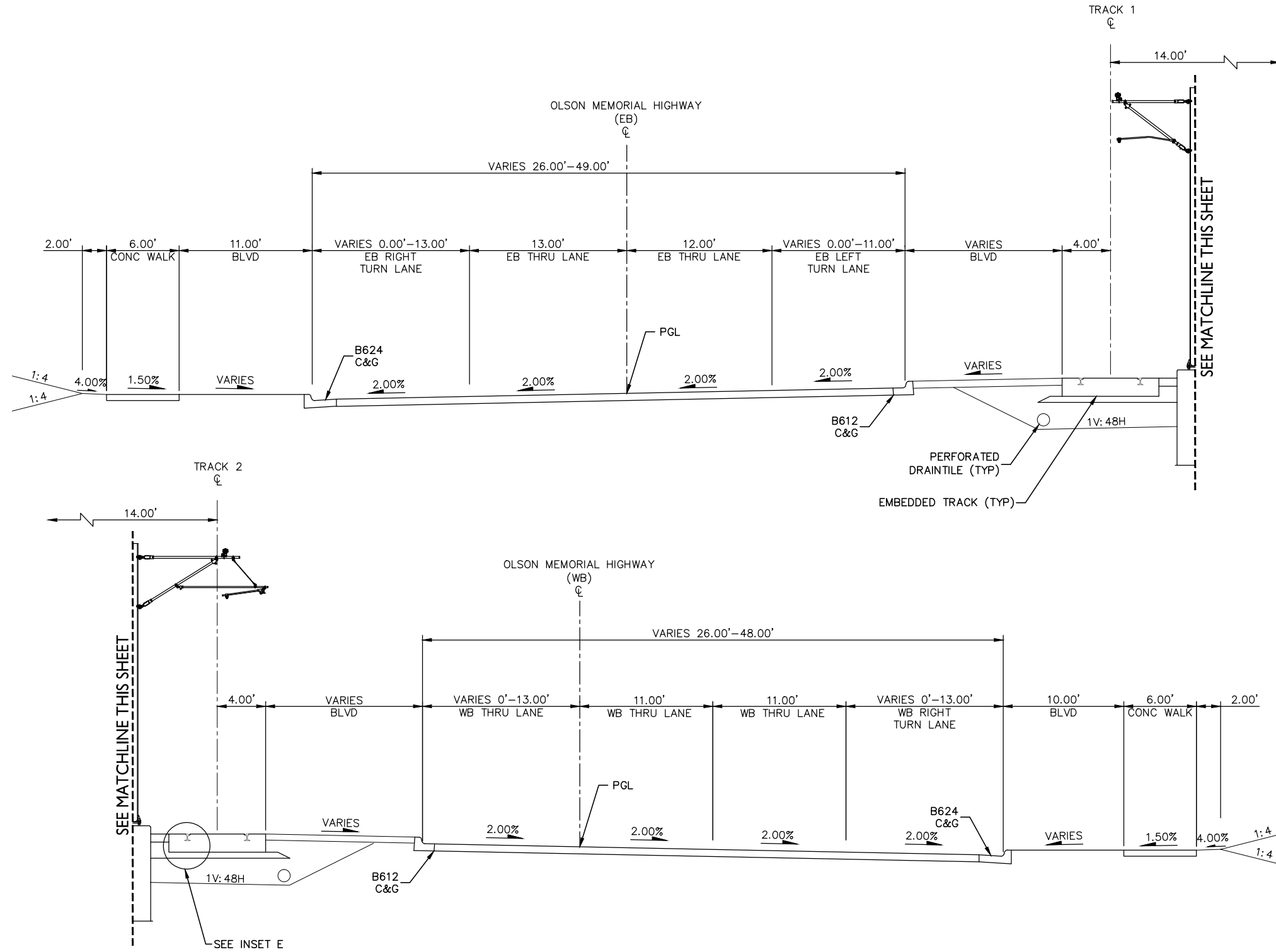
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TYPICAL SECTIONS

DISCIPLINE: TRACK

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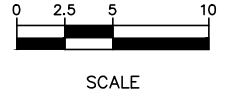
SHEET
32
OF
107

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NOTE:
 1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS

TYPICAL SECTION
 STA. 2017+41 TO 2018+40



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT



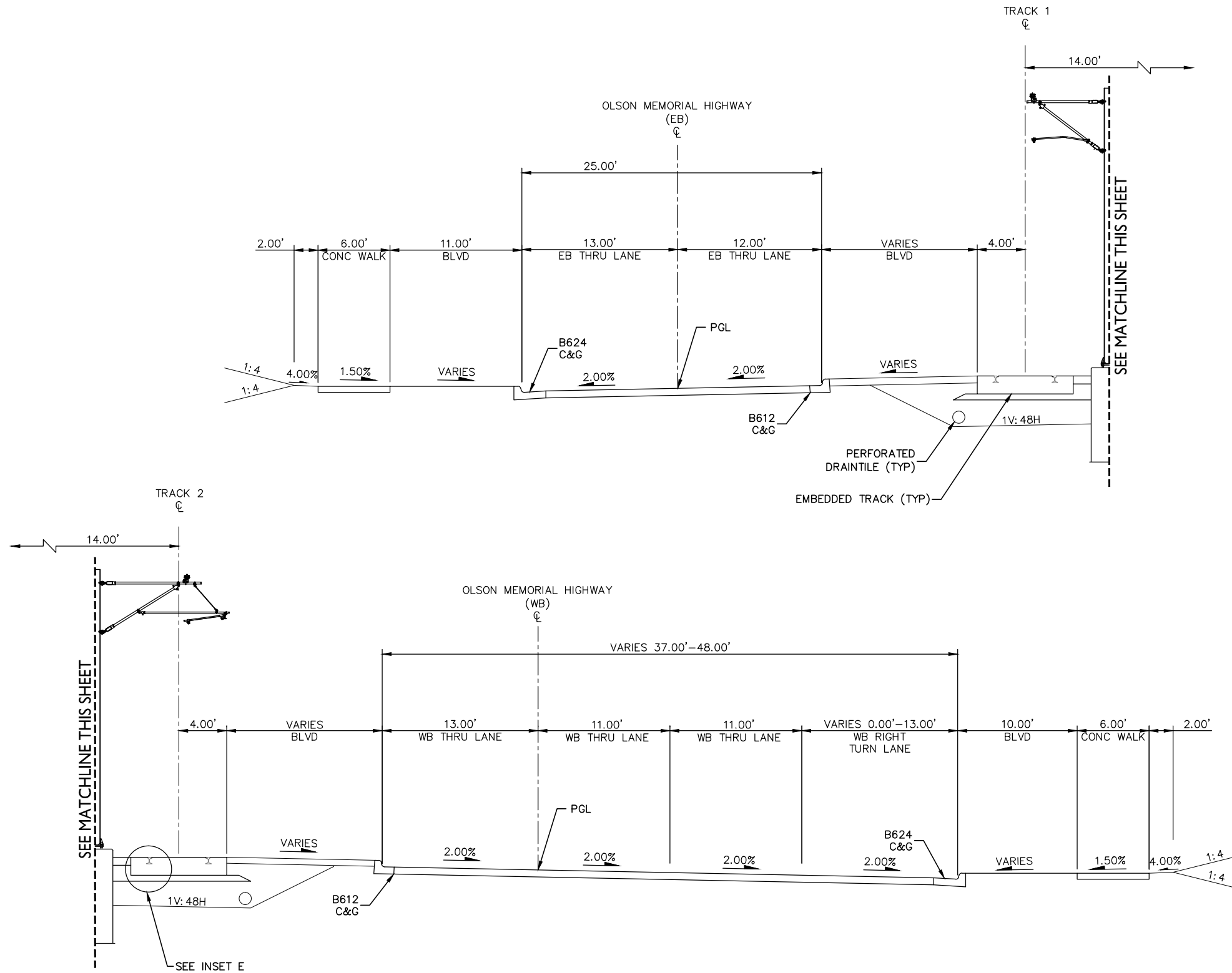
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DISCIPLINE: TRACK

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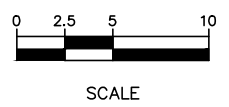
SHEET
 33
 OF
 107

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- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS

TYPICAL SECTION
 STA. 2018+40 TO 2020+84
 STA. 2023+95 TO 2025+88



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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WSP | PARSONS BRINCKERHOFF
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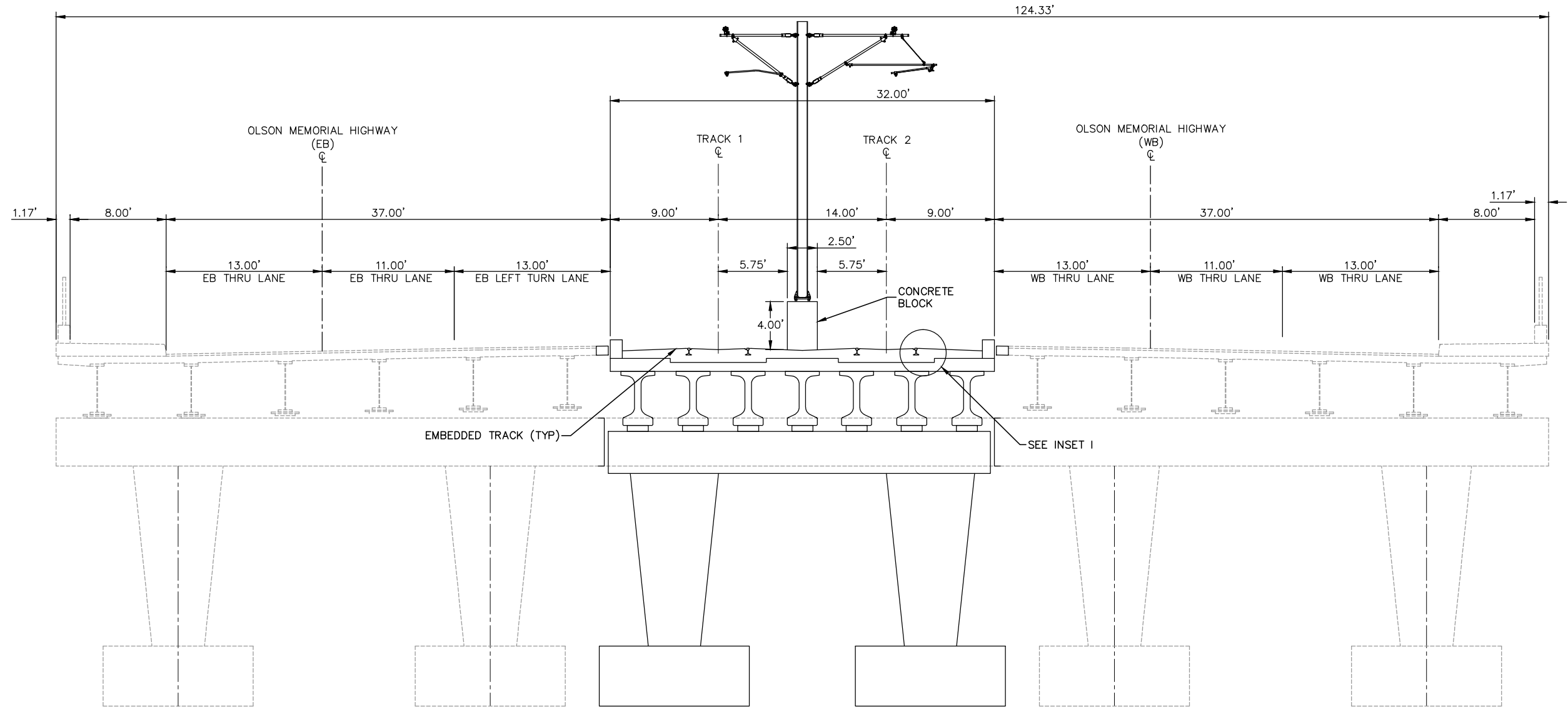
METRO BLUE LINE EXTENSION
METROPOLITAN COUNCIL

SEGMENT M TRACK TYPICAL SECTIONS

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-008

SHEET 34 OF 107

Dec. 03 2015 03:26 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
HIGHWAY 55 BRIDGE OVER I-94
STA. 2020+84 TO 2023+06

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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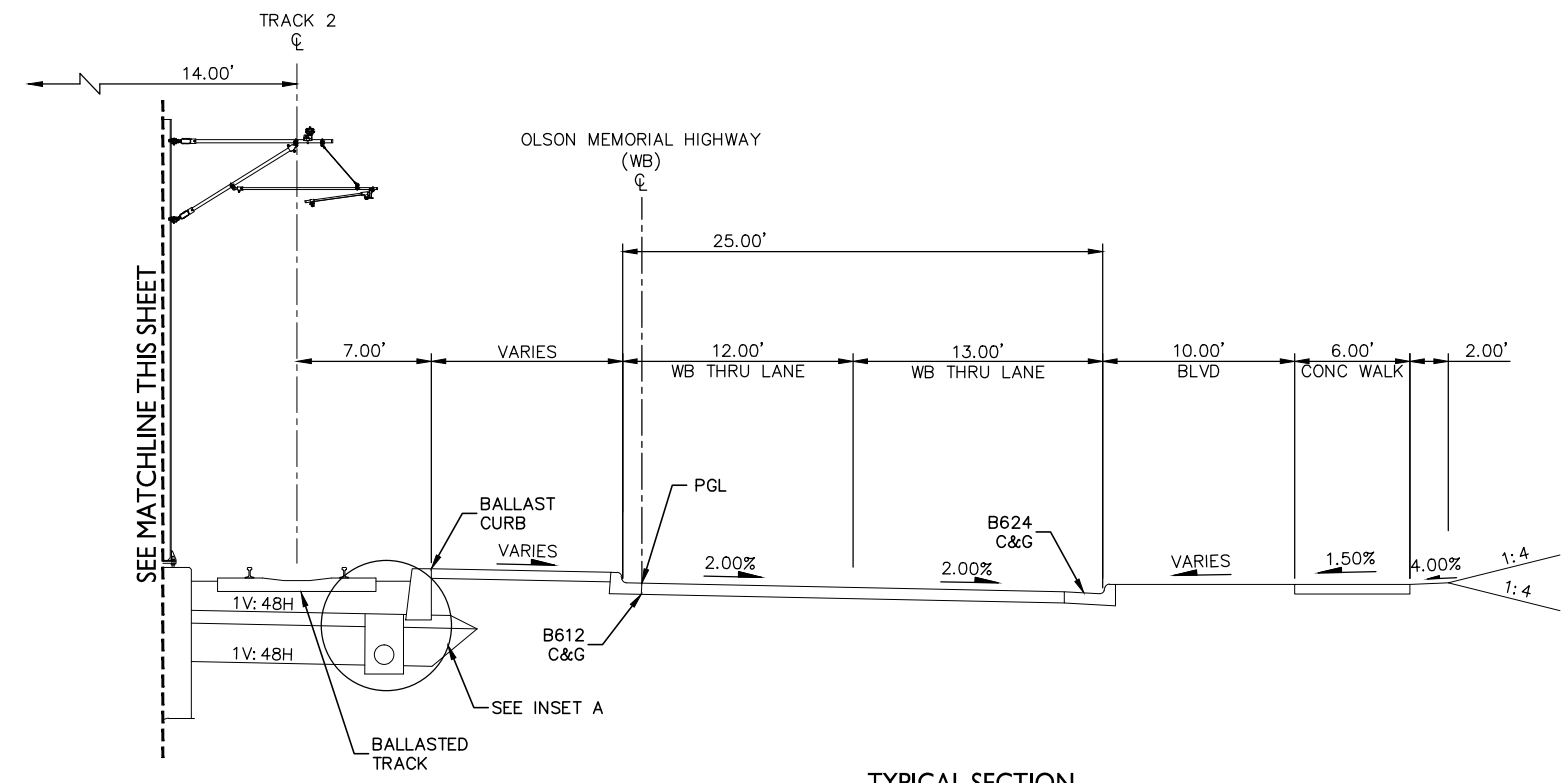
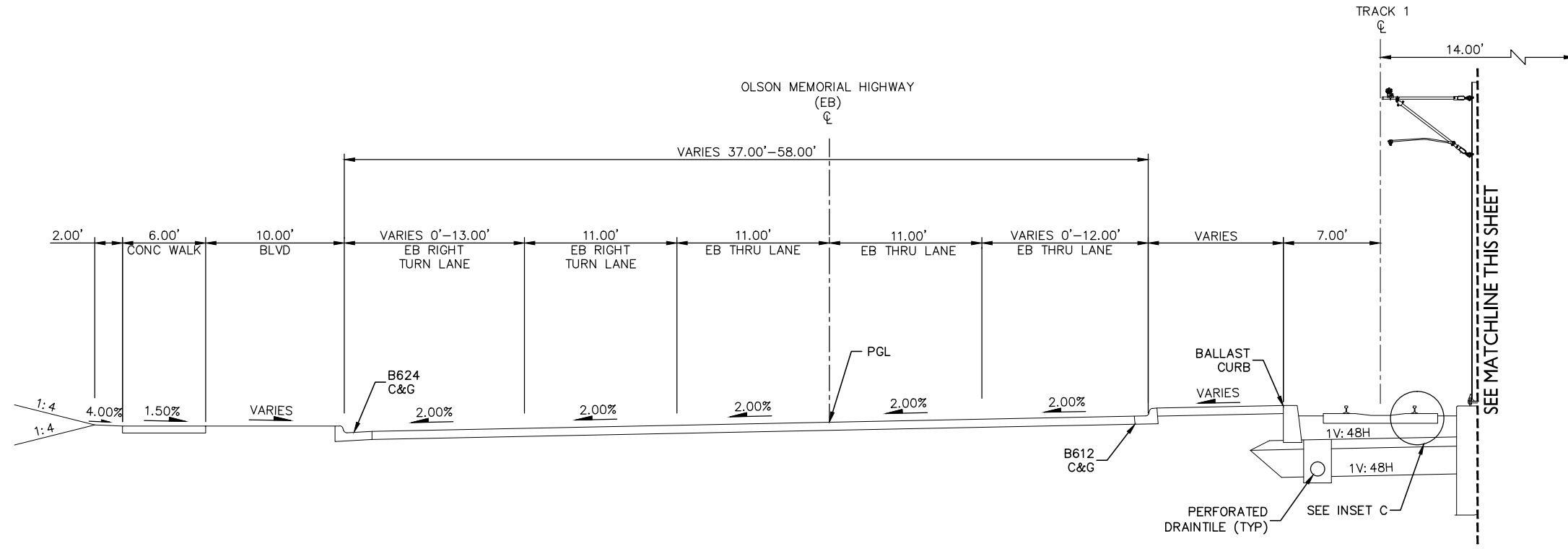
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TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

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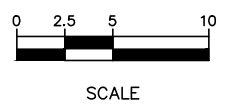
SHEET
35
OF
107

Dec. 03 2015 03:27 pm H:\BPO\550_design_consultant\CAD\006-segment-m\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
STA. 2023+95 TO 2025+88

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

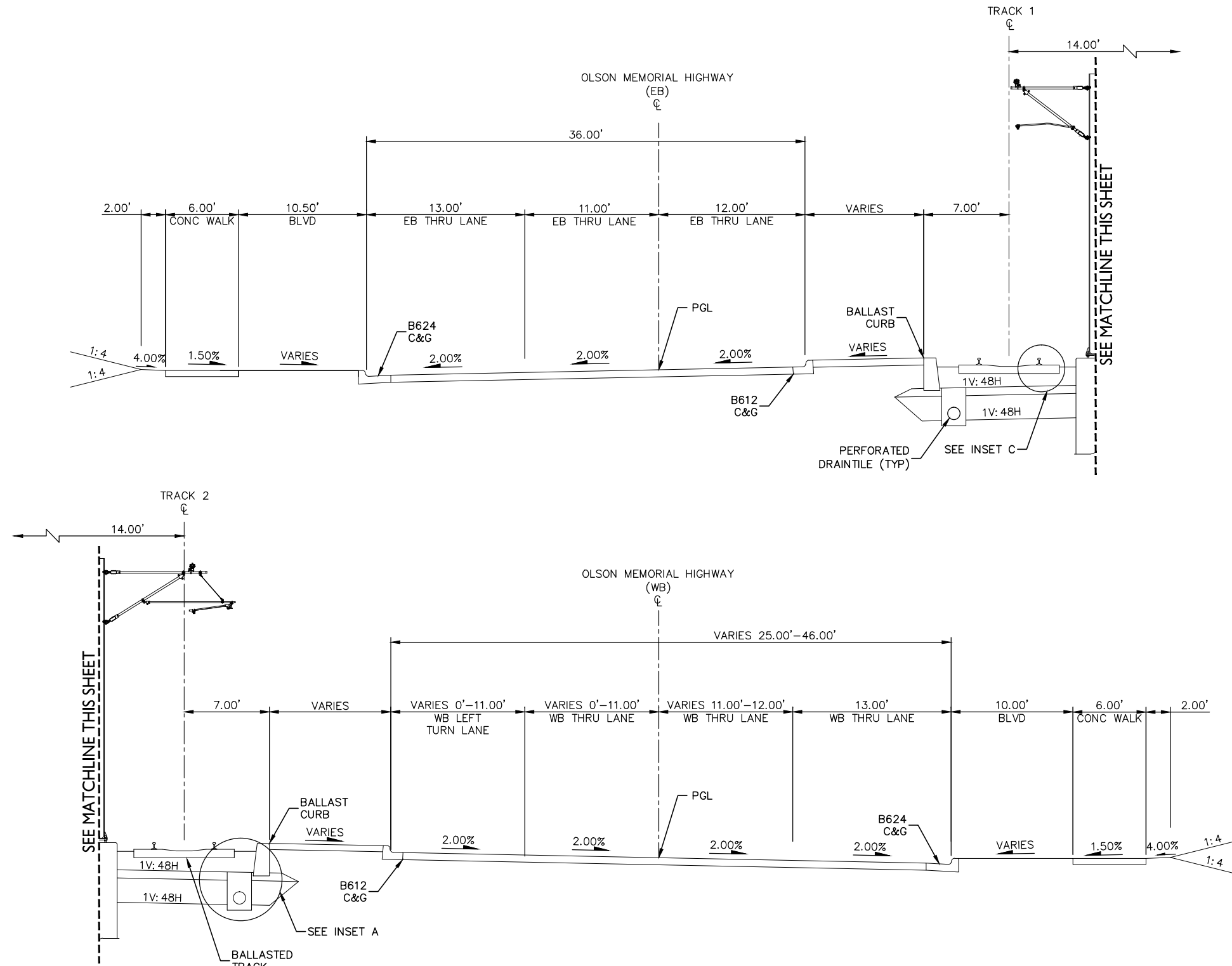


SEGMENT M
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TYPICAL SECTIONS

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-010

SHEET
36
OF
107

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TYPICAL SECTION
STA. 2025+88 TO 2028+03

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

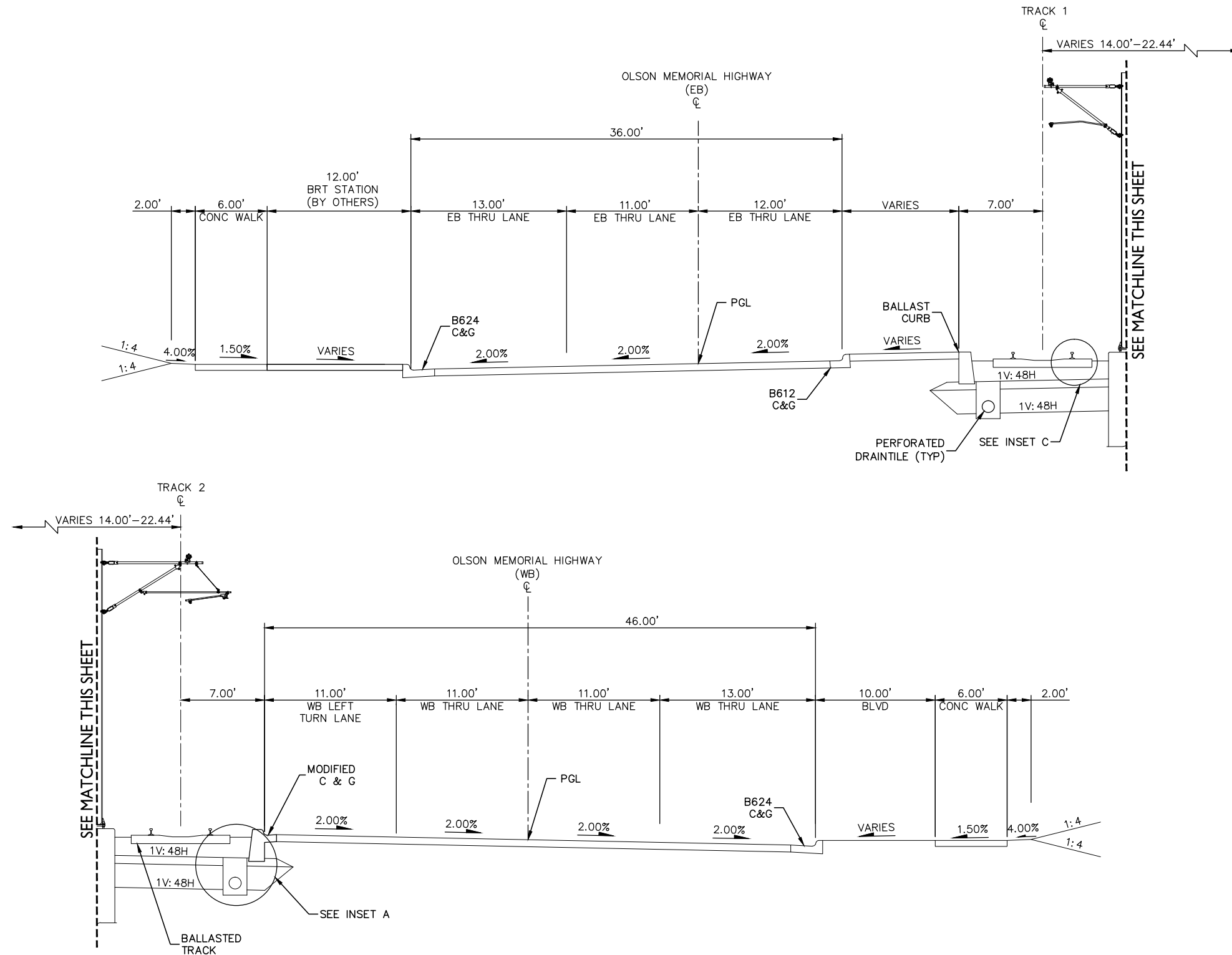


**SEGMENT M
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TYPICAL SECTIONS**

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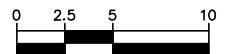
SHEET
37
OF
107

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TYPICAL SECTION
STA. 2028+03 TO 2030+28

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

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MUNICIPAL CONSENT



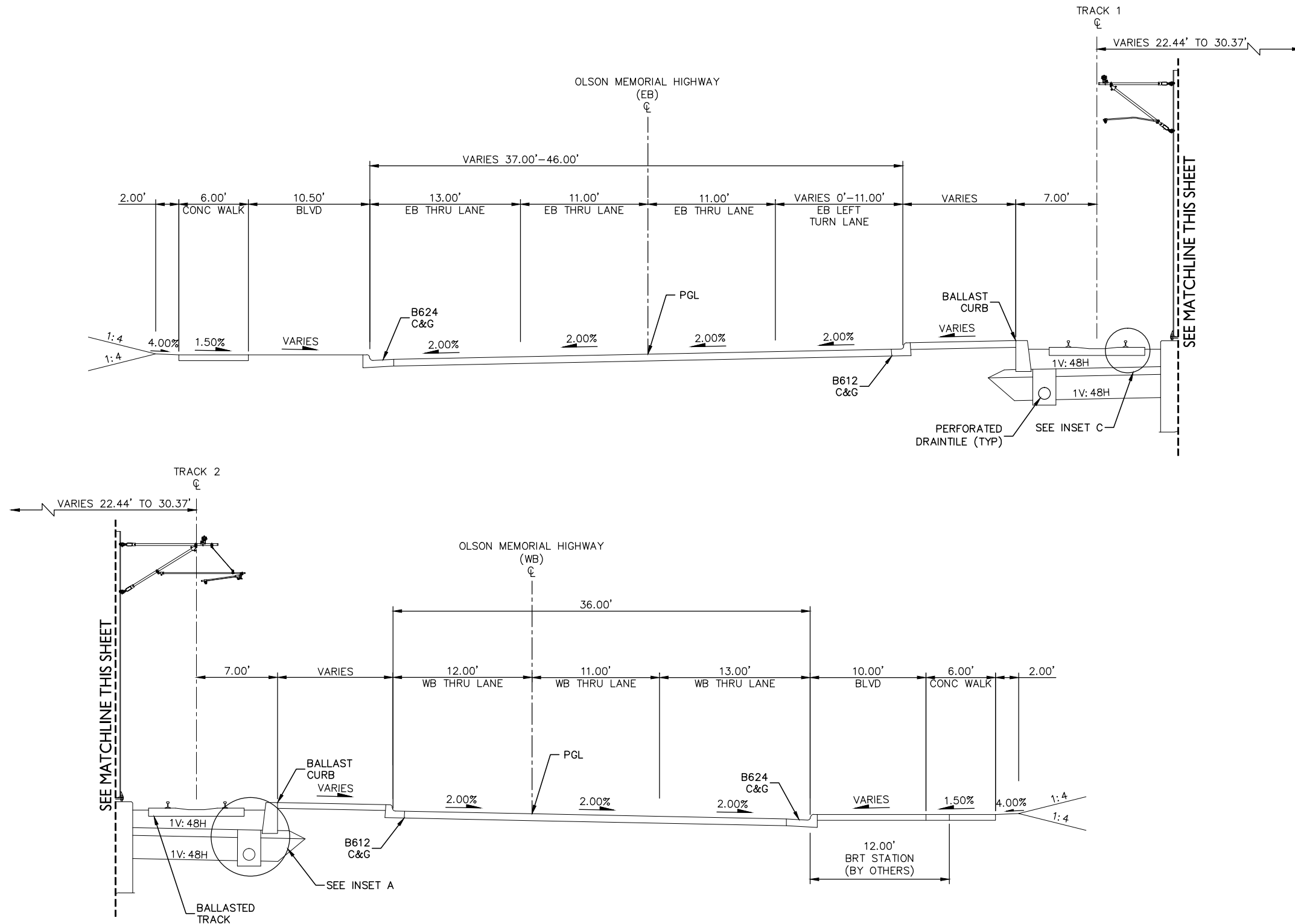
**SEGMENT M
TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-012

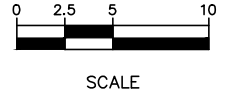
SHEET
38
OF
107

Dec. 03 2015 03:28 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
STA. 2030+28 TO 2033+15

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

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 MUNICIPAL CONSENT

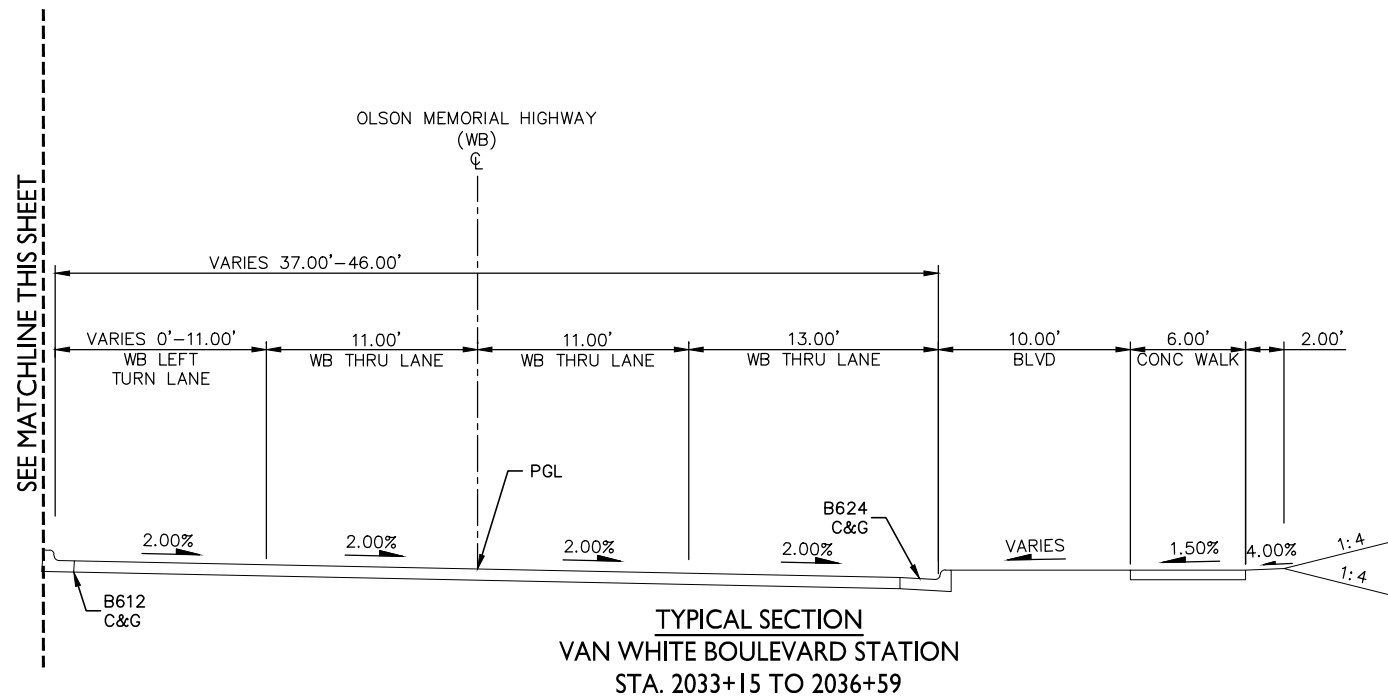
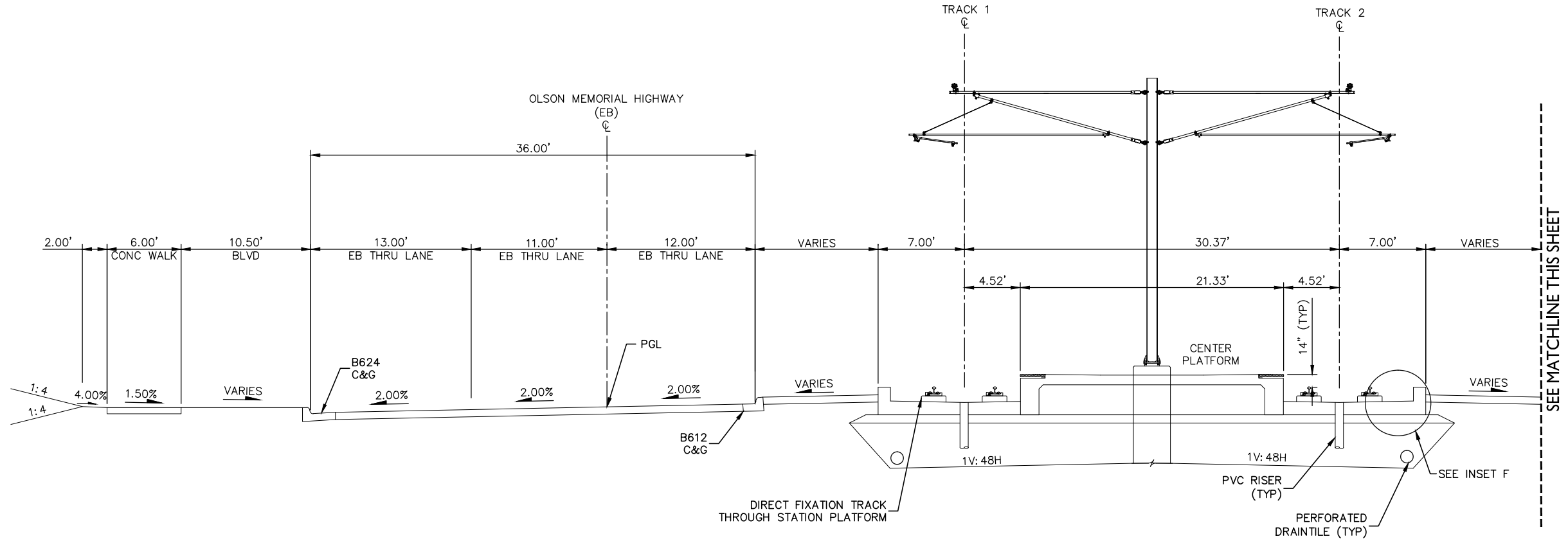


**SEGMENT M
TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-013

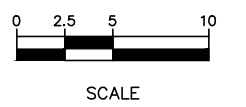
SHEET 39 OF 107

Dec. 03 2015 03:29 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MatauM



TYPICAL SECTION
VAN WHITE BOULEVARD STATION
STA. 2033+15 TO 2036+59

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT



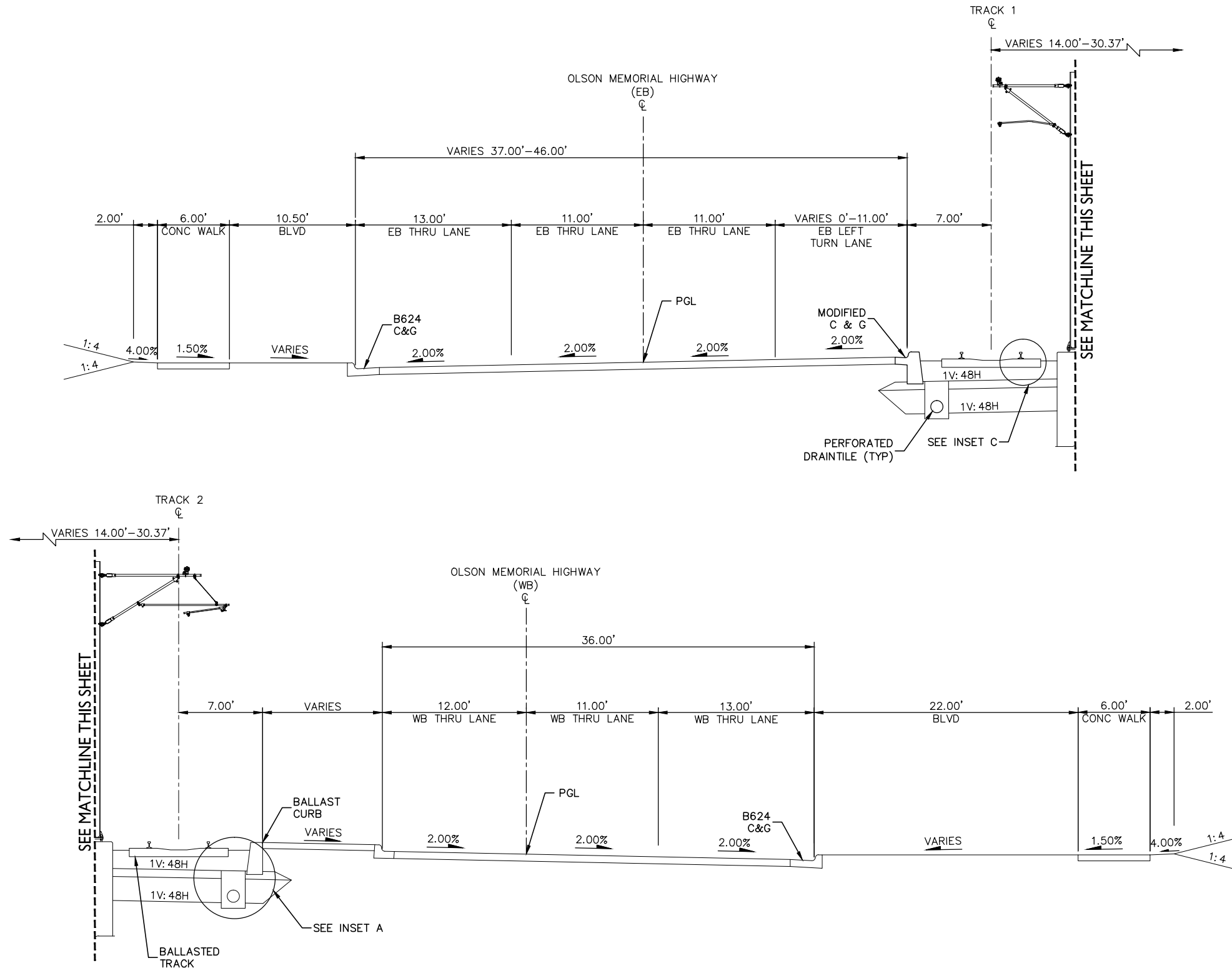
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TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

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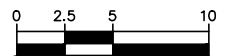
SHEET
40
OF
107

Dec. 03 2015 03:30 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
STA. 2036+59 TO 2042+16

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

Kimley»Horn

WSP | PARSONS BRINCKERHOFF

MUNICIPAL CONSENT



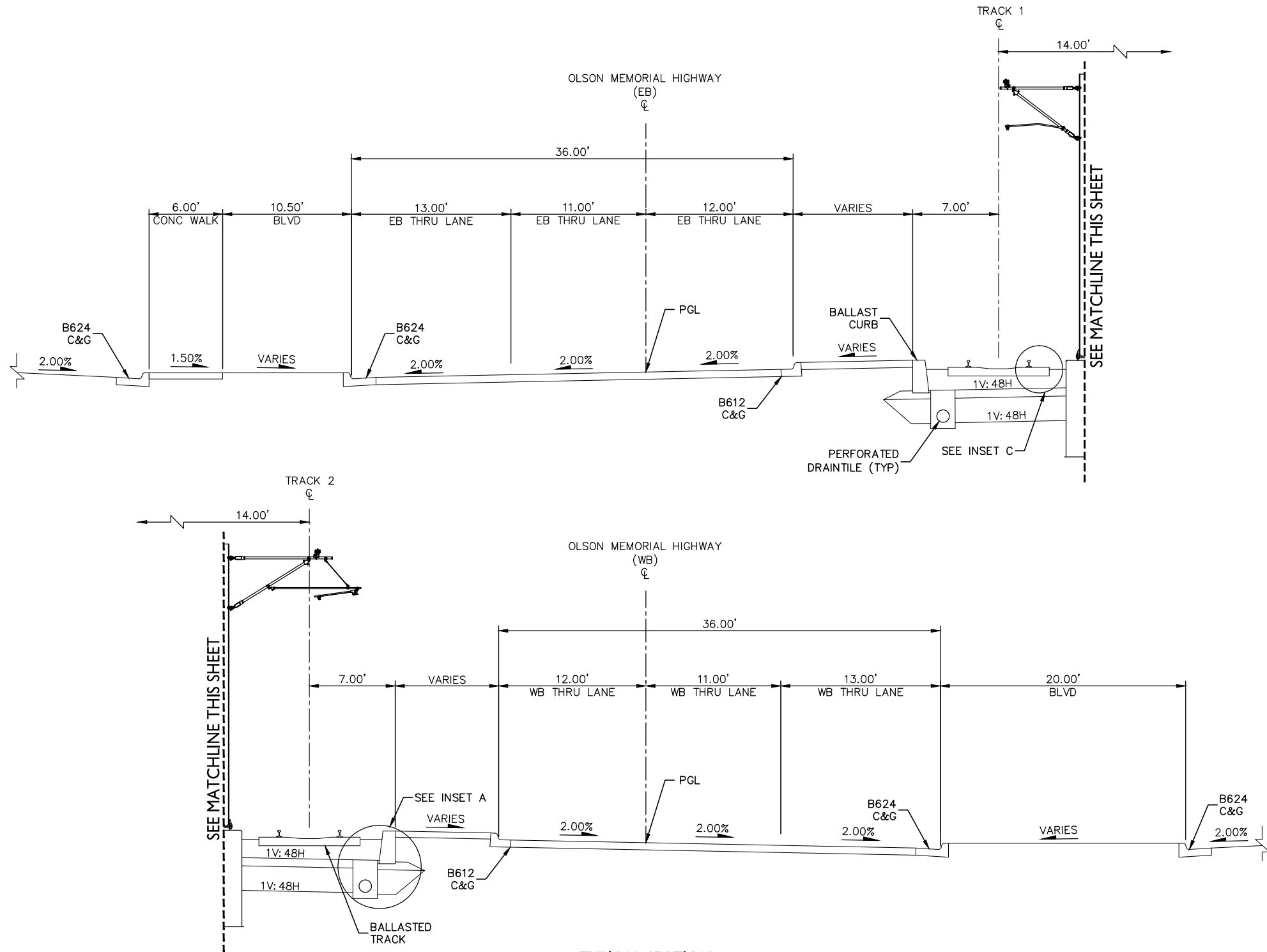
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TYPICAL SECTIONS**

DISCIPLINE: TRACK

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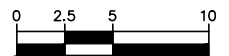
SHEET
41
OF
107

Dec. 03 2015 03:30 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
STA. 2042+16 TO 2043+55

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

Kimley»Horn

WSP | PARSONS BRINCKERHOFF

MUNICIPAL CONSENT



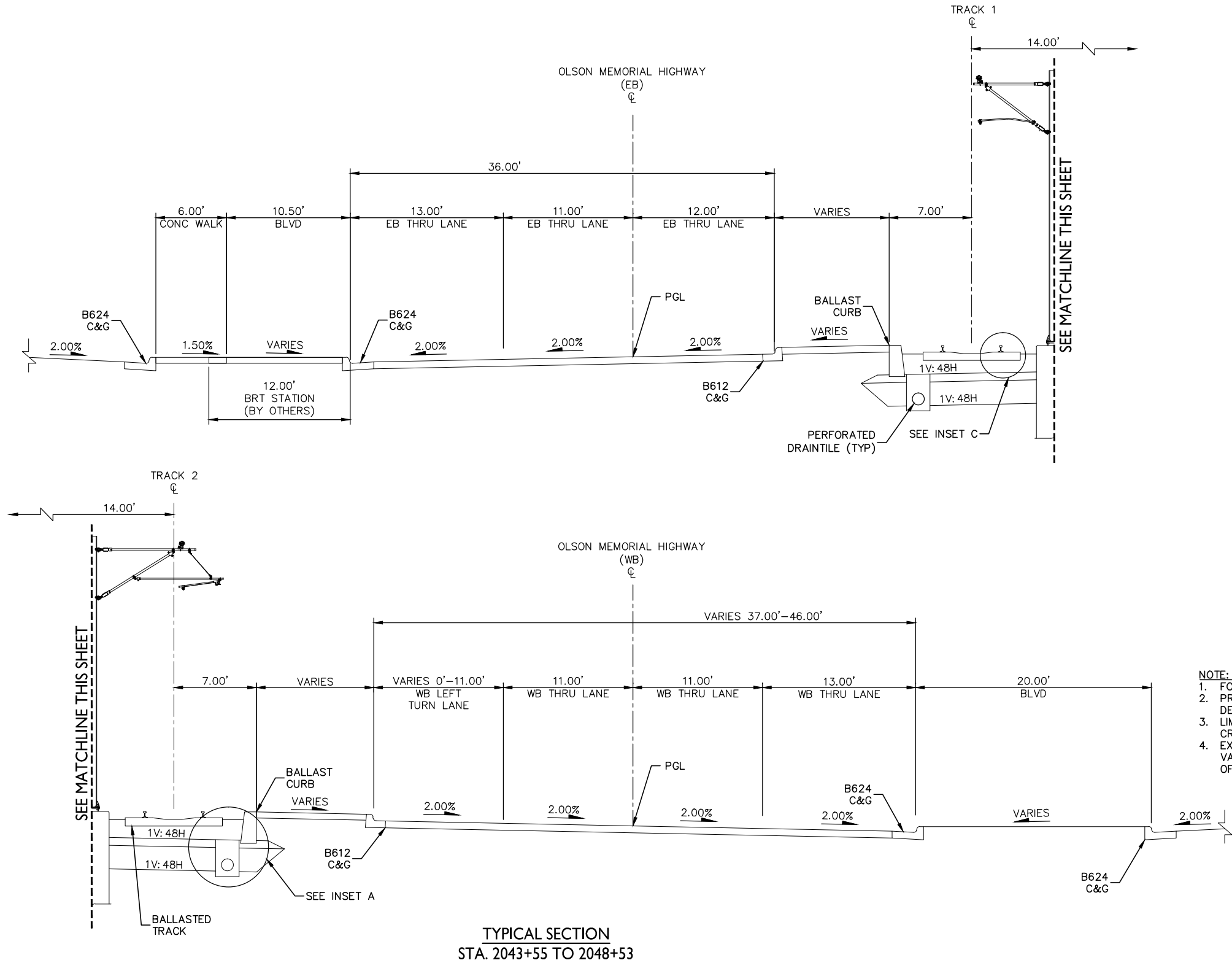
**SEGMENT M
TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-016

SHEET
42
OF
107

Dec. 03 2015 03:31 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-Mataum



- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS

TYPICAL SECTION
STA. 2043+55 TO 2048+53



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

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MUNICIPAL CONSENT



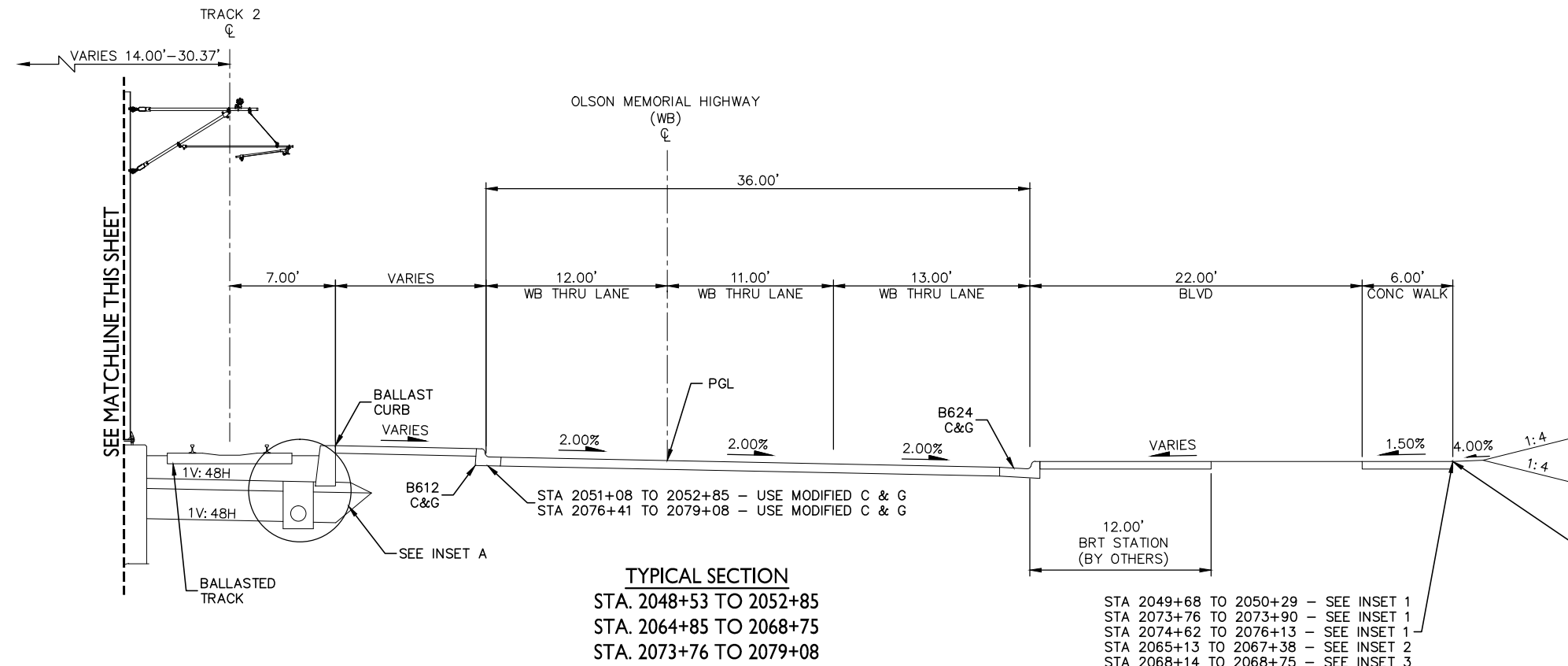
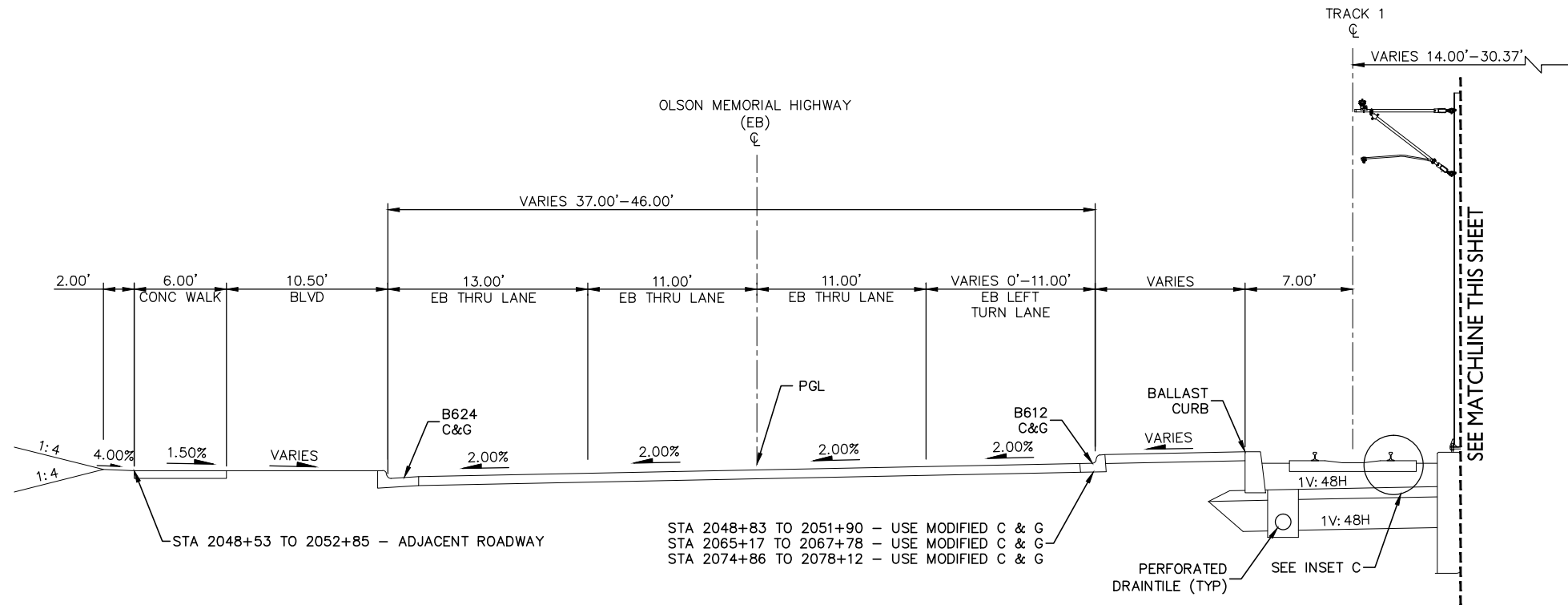
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TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

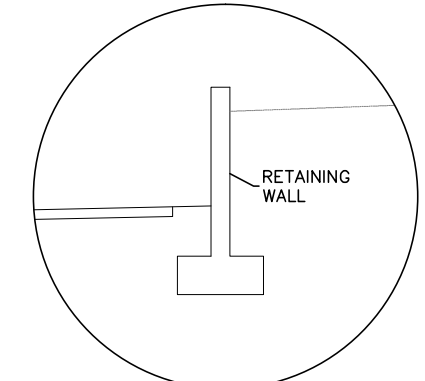
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SHEET
43
OF
107

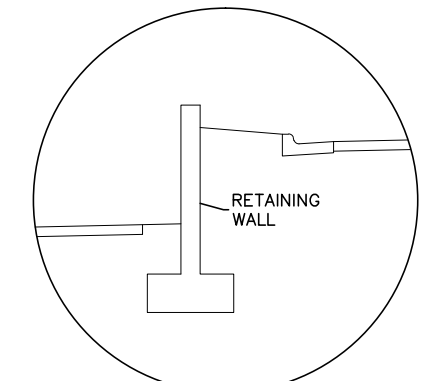
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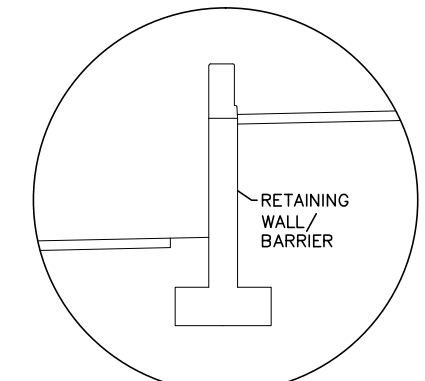
TYPICAL SECTION
 STA. 2048+53 TO 2052+85
 STA. 2064+85 TO 2068+75
 STA. 2073+76 TO 2079+08



INSET 1

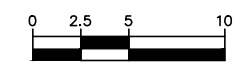


INSET 2



INSET 3

NOTE:
 1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

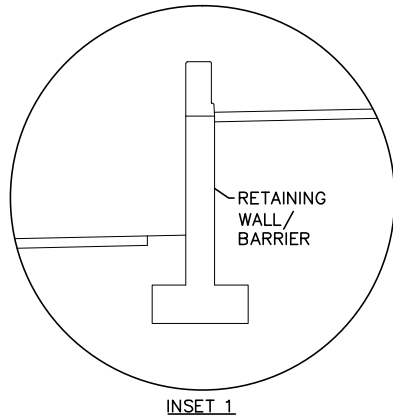
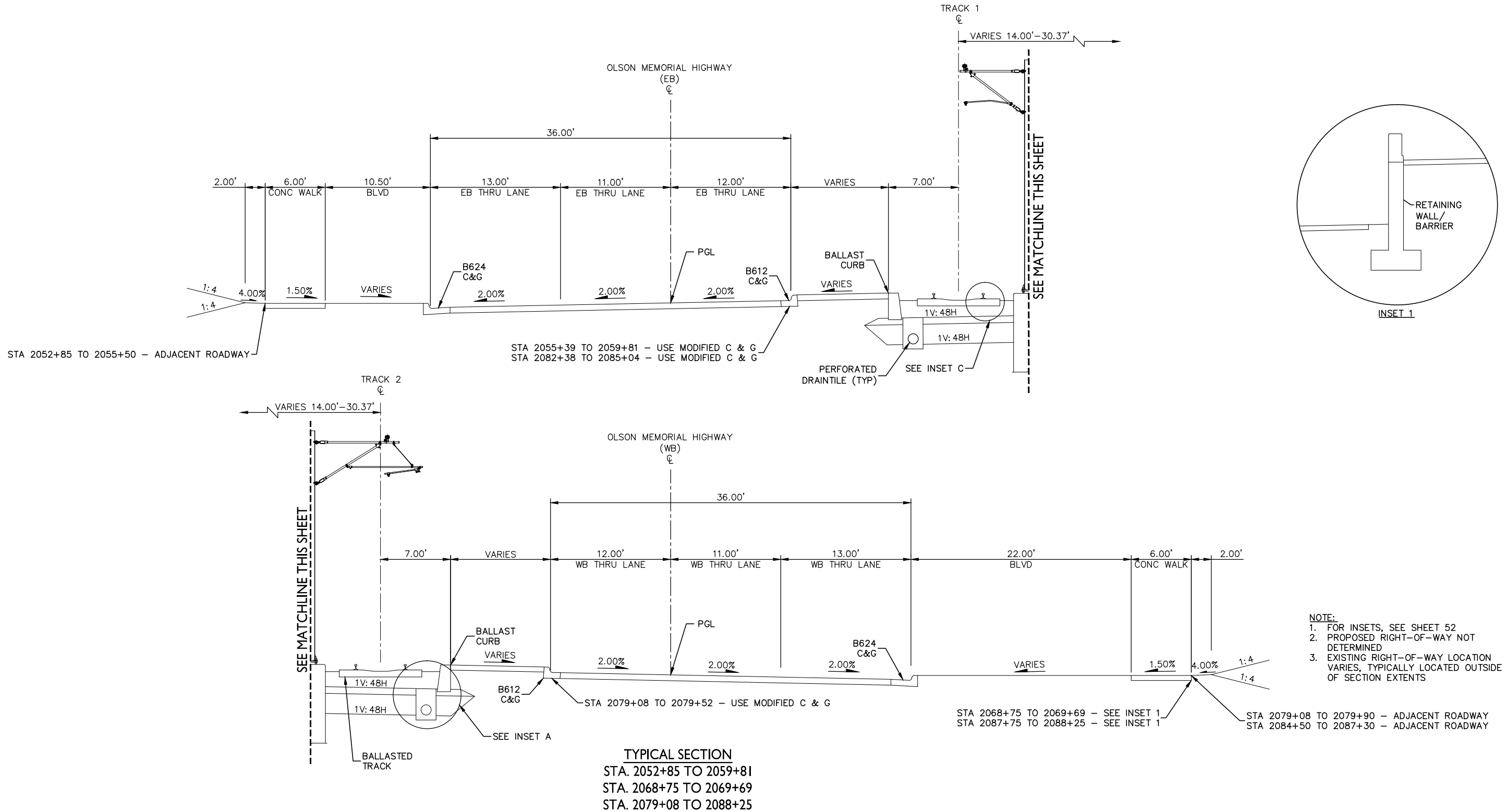


**SEGMENT M
 TRACK
 TYPICAL SECTIONS**

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-018

SHEET
 44
 OF
 107

Dec. 03 2015 03:32 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK M-TRK-TYPS.dwg By: V-MataUM



NOTE:
 1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS

TYPICAL SECTION
 STA. 2052+85 TO 2059+81
 STA. 2068+75 TO 2069+69
 STA. 2079+08 TO 2088+25



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

WSP | PARSONS BRINCKERHOFF

MUNICIPAL CONSENT



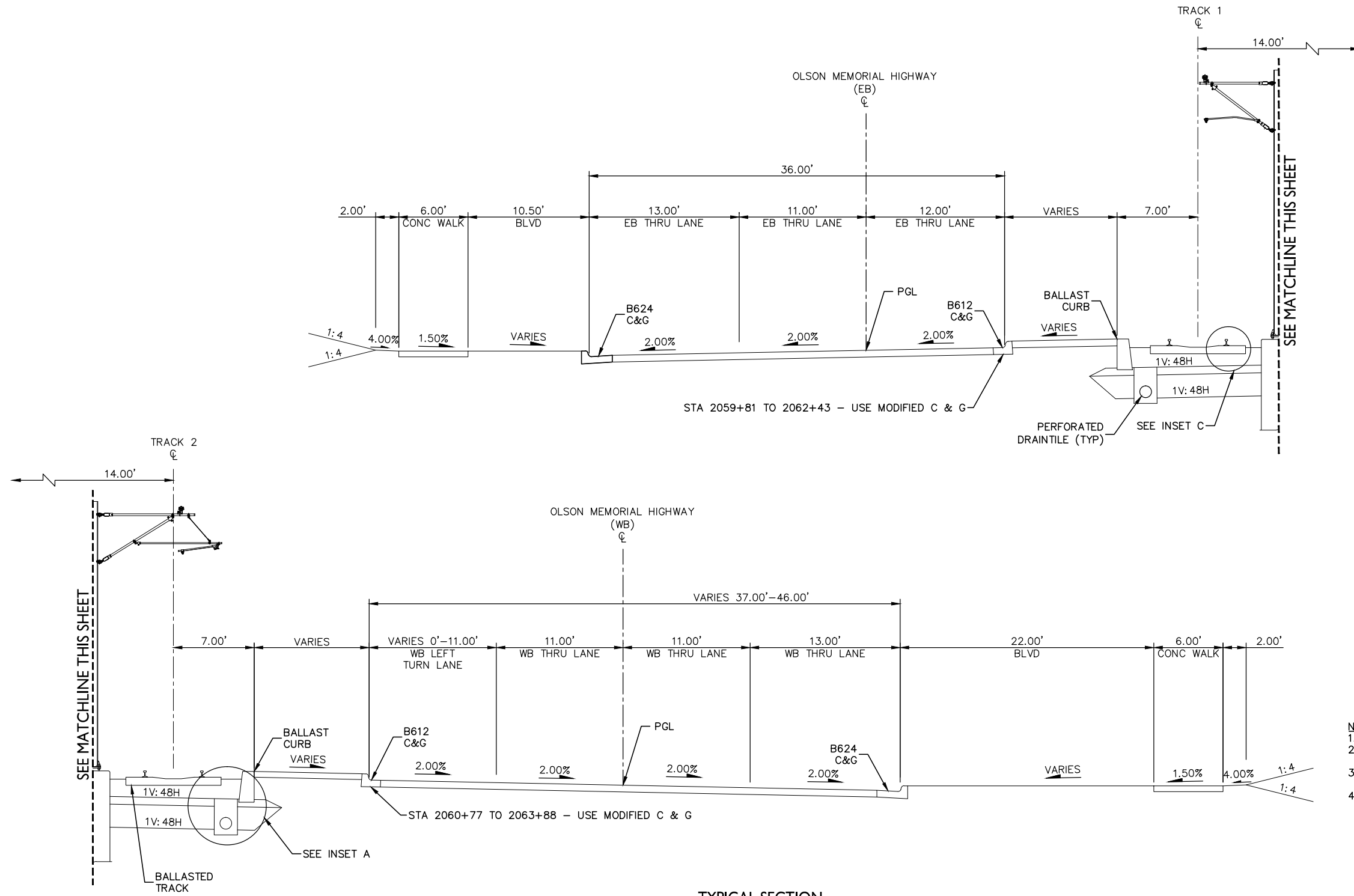
**SEGMENT M
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 TYPICAL SECTIONS**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-019

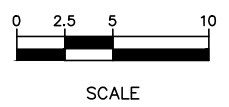
SHEET
 45
 OF
 107

Dec. 03 2015 03:33 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataoM



TYPICAL SECTION
STA. 2059+81 TO 2064+85

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. LIMITS OF SECTION INCLUDE AT-GRADE CROSSINGS THAT ARE NOT DEPICTED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

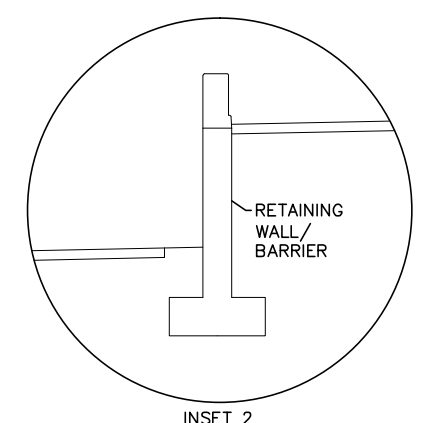
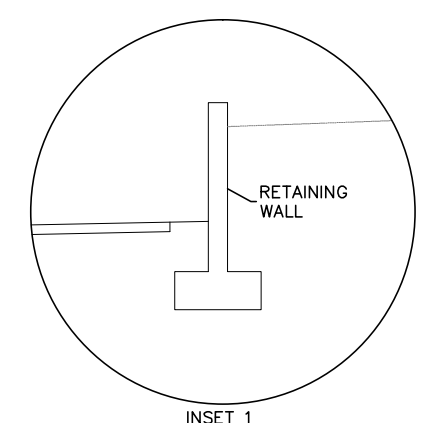
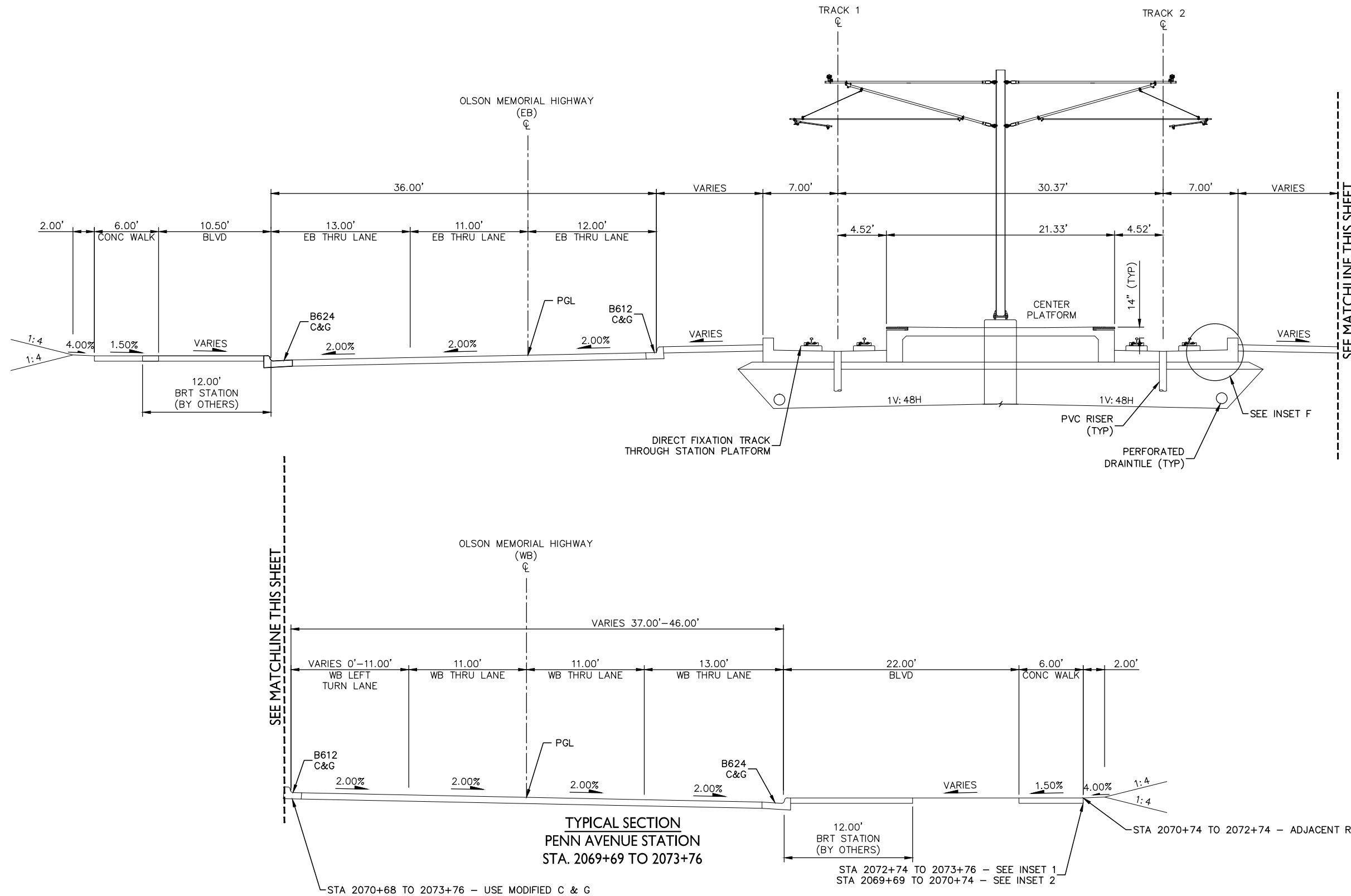


SEGMENT M
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-020

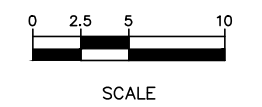
SHEET
46
OF
107

Dec. 03 2015 03:33 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataUM



NOTE:

1. FOR INSETS, SEE SHEET 52
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

WSP | PARSONS BRINCKERHOFF

MUNICIPAL CONSENT

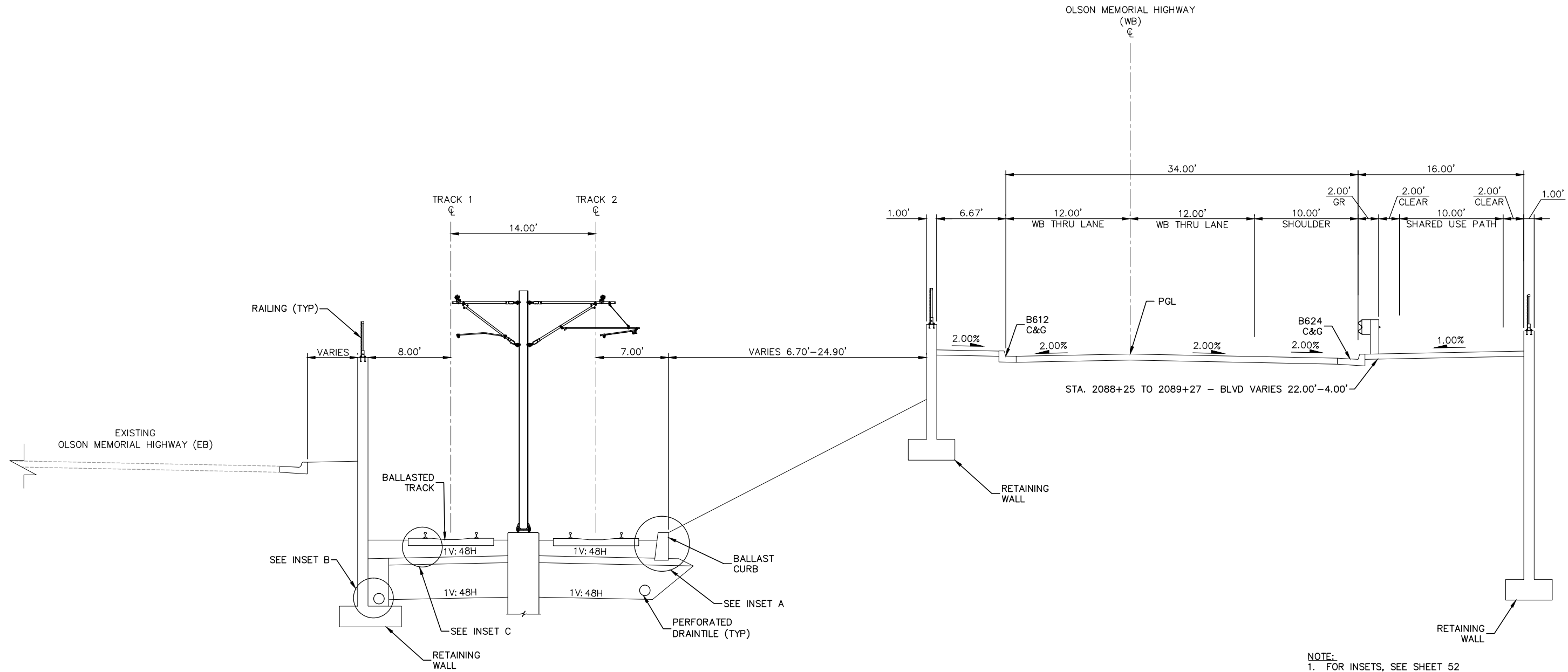


SEGMENT M TRACK TYPICAL SECTIONS

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-021

SHEET 47 OF 107

Dec. 03 2015 03:34 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-Mataum



TYPICAL SECTION
STA. 2088+25 TO 2093+97

- NOTE:
1. FOR INSETS, SEE SHEET 52
 2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 3. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT



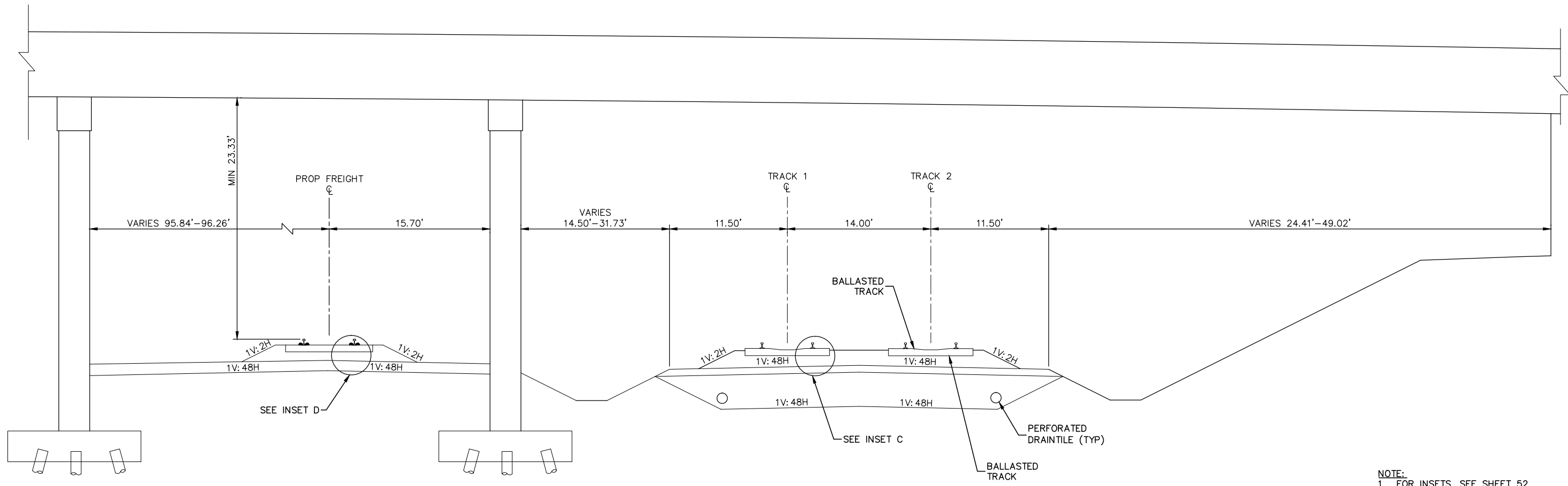
SEGMENT M
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-022

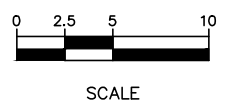
SHEET
48
OF
107

Dec. 03 2015 03:34 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-Mataum



- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. OCS NOT DEPICTED
 3. PROPOSED RIGHT-OF-WAY NOT DETERMINED
 4. EXISTING RIGHT-OF-WAY LOCATION VARIES, TYPICALLY LOCATED OUTSIDE OF SECTION EXTENTS

TYPICAL SECTION
 OLSON MEMORIAL HIGHWAY BRIDGE
 STA. 2093+97 TO 2094+82



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

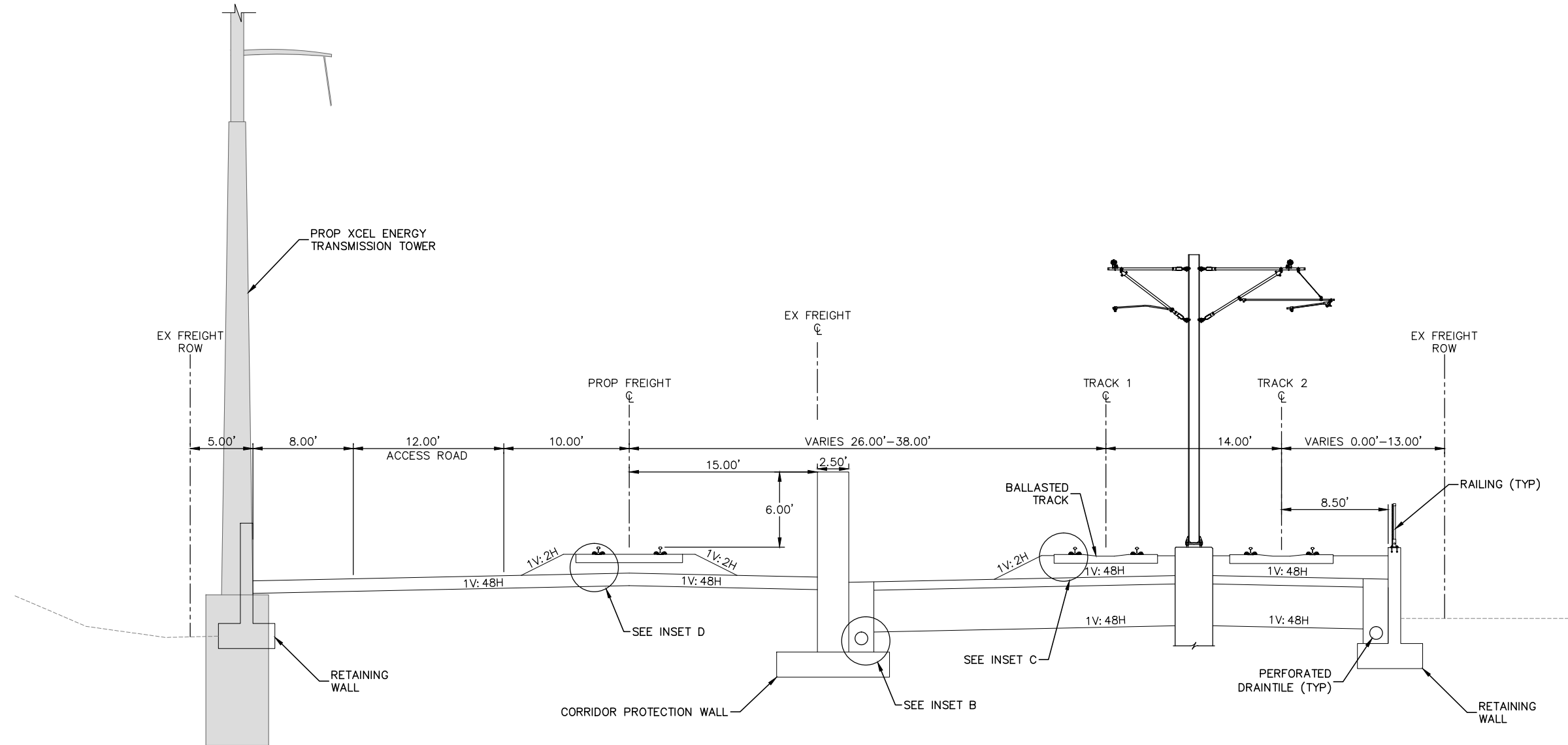


SEGMENT M
 TRACK
 TYPICAL SECTIONS

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-023

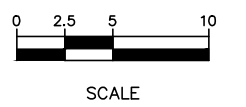
SHEET
 49
 OF
 107

Dec. 03 2015 03:35 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
STA. 2094+82 TO 2098+20

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. XCEL TRANSMISSION TOWERS TO BE SHIFTED TO WEST SIDE OF BNSF ROW
 3. GROUND IMPROVEMENTS WILL BE NEEDED TO MITIGATE THE EXISTING WEAK AND COMPRESSIBLE SOILS IN THIS SEGMENT
 4. PROPOSED RIGHT-OF-WAY NOT DETERMINED



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

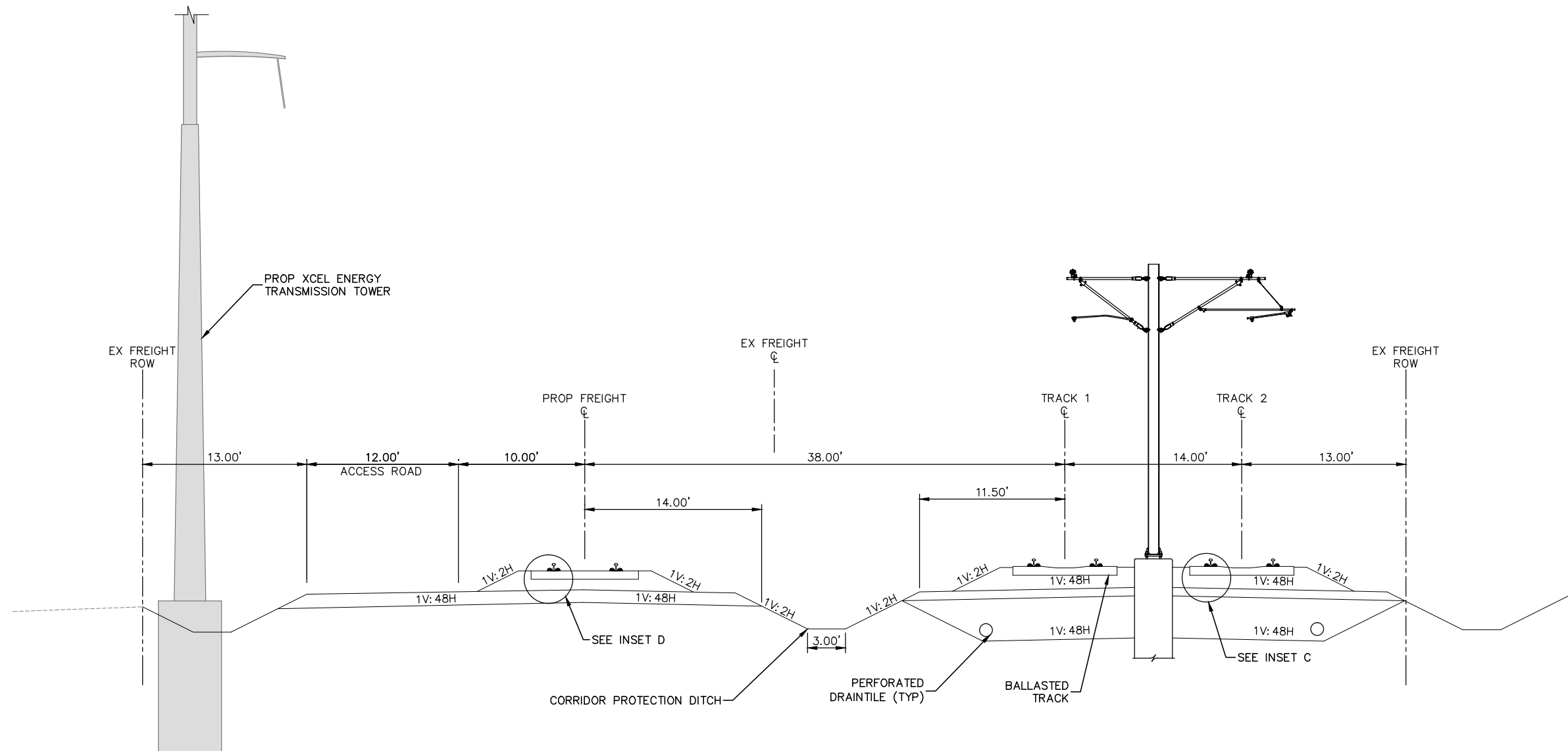


SEGMENT M
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK SHEET NAME: M-TRK-TYPS-024

SHEET
50
OF
107

Dec. 03 2015 03:35 pm H:\BPO\550_design_consultant\CAD\006-segment-m\MC\plan_sheets\TRACK\M-TRK-TYPS.dwg By: V-MataUM



TYPICAL SECTION
STA. 2098+20 TO 2109+30 (END OF SEGMENT M)

- NOTE:**
1. FOR INSETS, SEE SHEET 52
 2. XCEL TRANSMISSION TOWERS TO BE SHIFTED TO WEST SIDE OF BNSF ROW
 3. GROUND IMPROVEMENTS WILL BE NEEDED TO MITIGATE THE EXISTING WEAK AND COMPRESSIBLE SOILS IN THIS SEGMENT
 4. PROPOSED RIGHT-OF-WAY NOT DETERMINED



SCALE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

Kimley»Horn

WSP | PARSONS BRINCKERHOFF

MUNICIPAL CONSENT



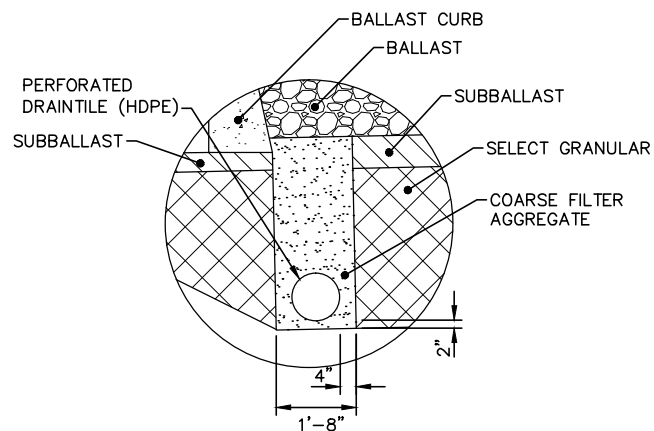
**SEGMENT M
TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-TYPS-025

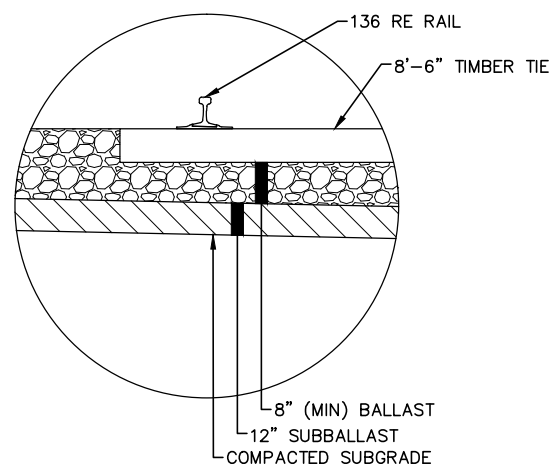
SHEET
51
OF
107

Dec. 07 2015 08:36 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M-TRK-TYPES.dwg By: V-Prudho

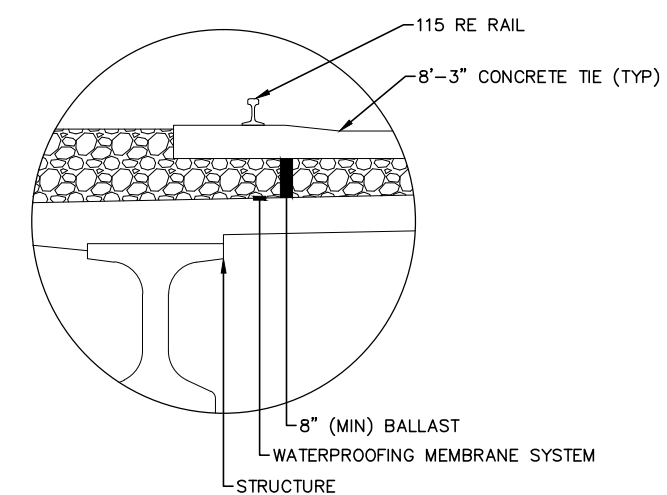


INSET A – BALLAST CURB INTERFACE

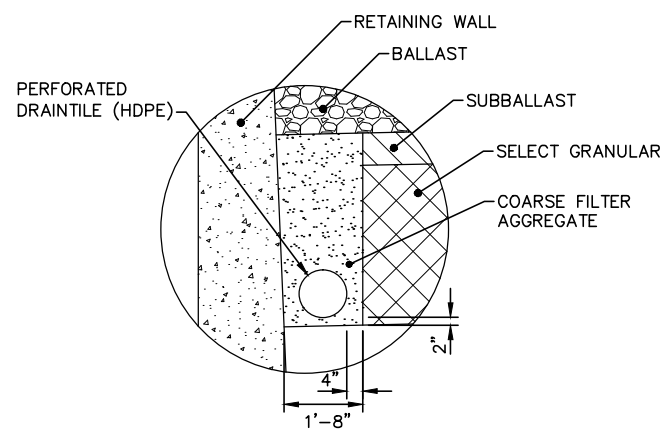
NOTE: LEFT SIDE DRAINAGE TRENCH ILLUSTRATED. FOR RIGHT SIDE, MIRROR SECTION.



INSET D – TYPICAL BALLASTED FREIGHT TRACK

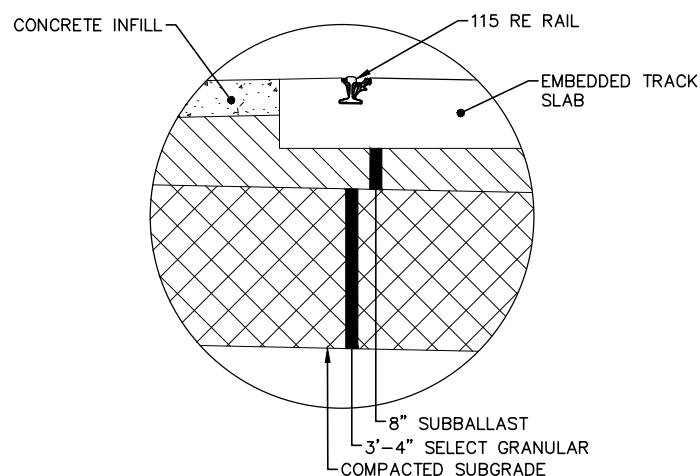


INSET G – BALLASTED LRT TRACK ON STRUCTURE

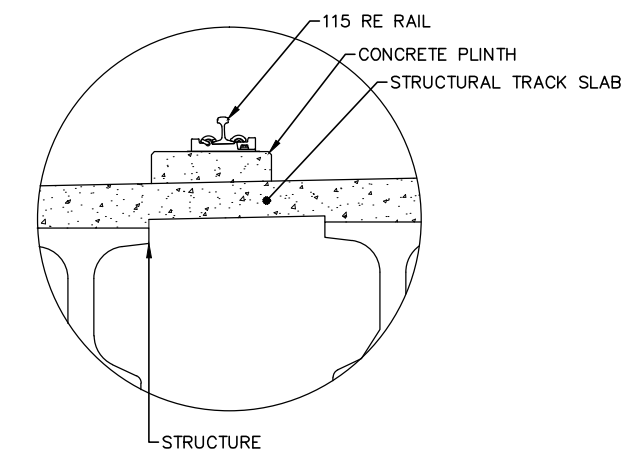


INSET B – RETAINING WALL INTERFACE

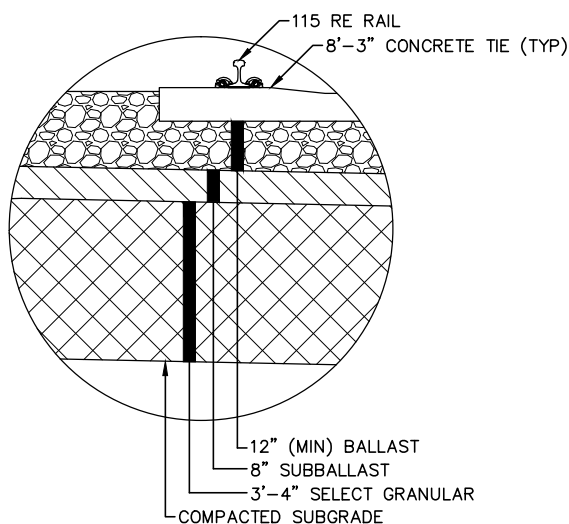
NOTE: LEFT SIDE DRAINAGE TRENCH ILLUSTRATED. FOR RIGHT SIDE, MIRROR SECTION.



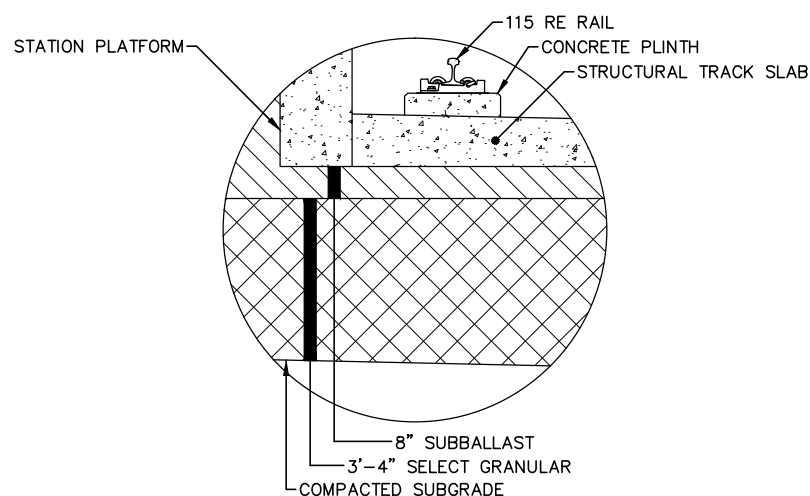
INSET E – TYPICAL EMBEDDED TRACK



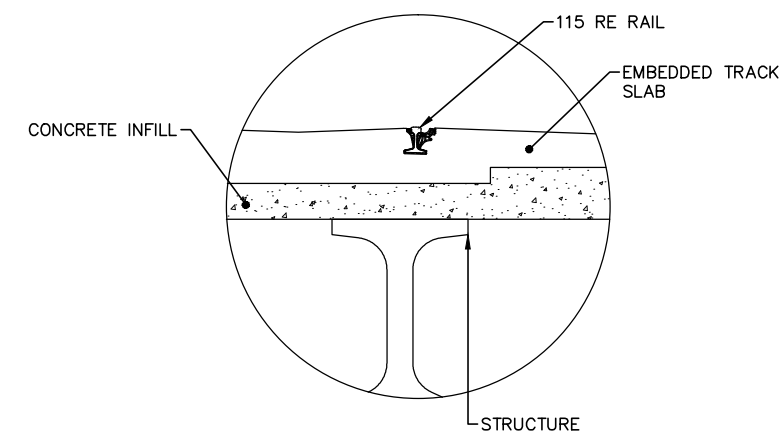
INSET H – DIRECT FIXATION LRT TRACK ON STRUCTURE



INSET C – TYPICAL BALLASTED TRACK



INSET F – TYPICAL DIRECT FIXATION INTERFACE AT STATION PLATFORM



INSET I – EMBEDDED LRT TRACK ON STRUCTURE

DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



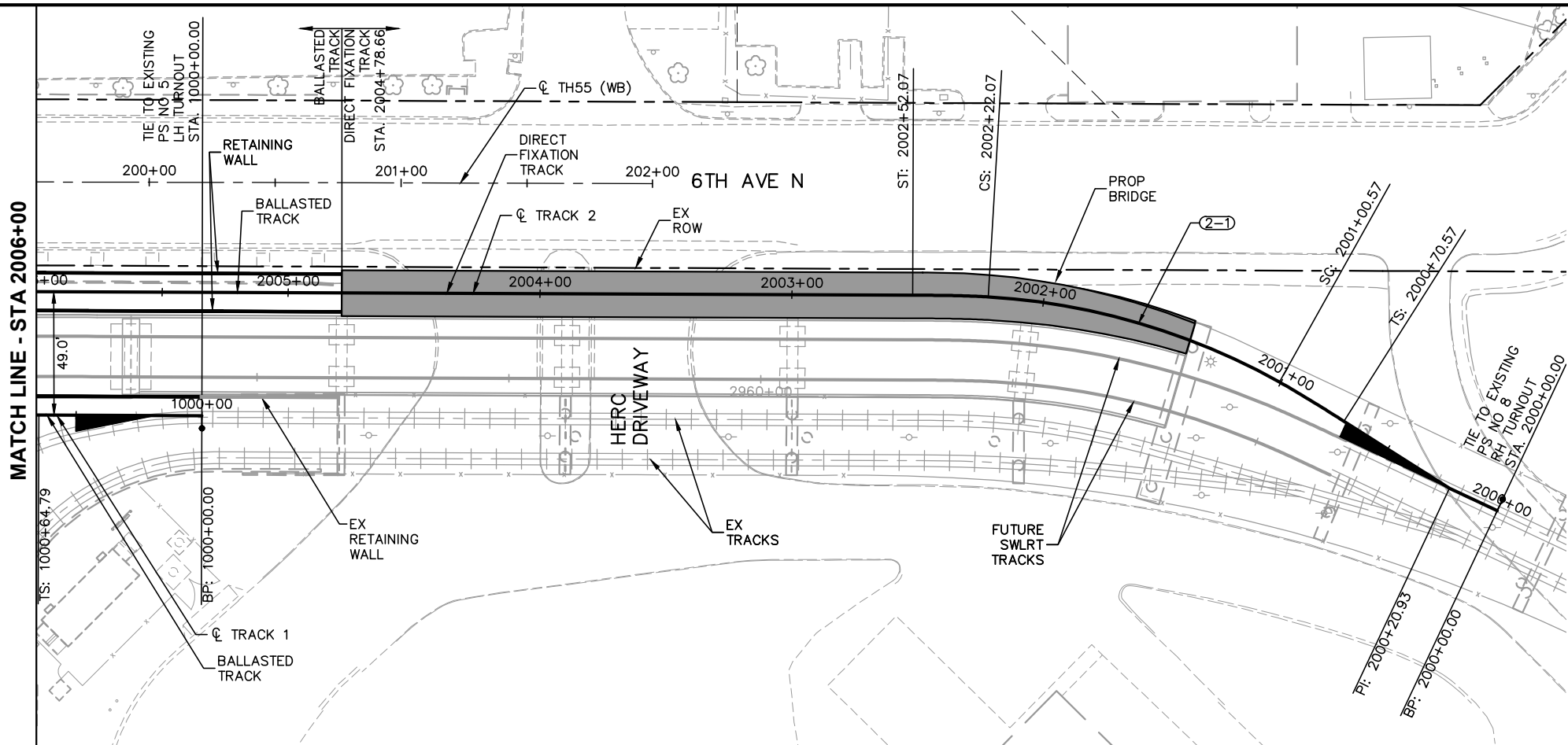
**SEGMENT M
TRACK
TYPICAL SECTIONS**

DISCIPLINE: TRACK

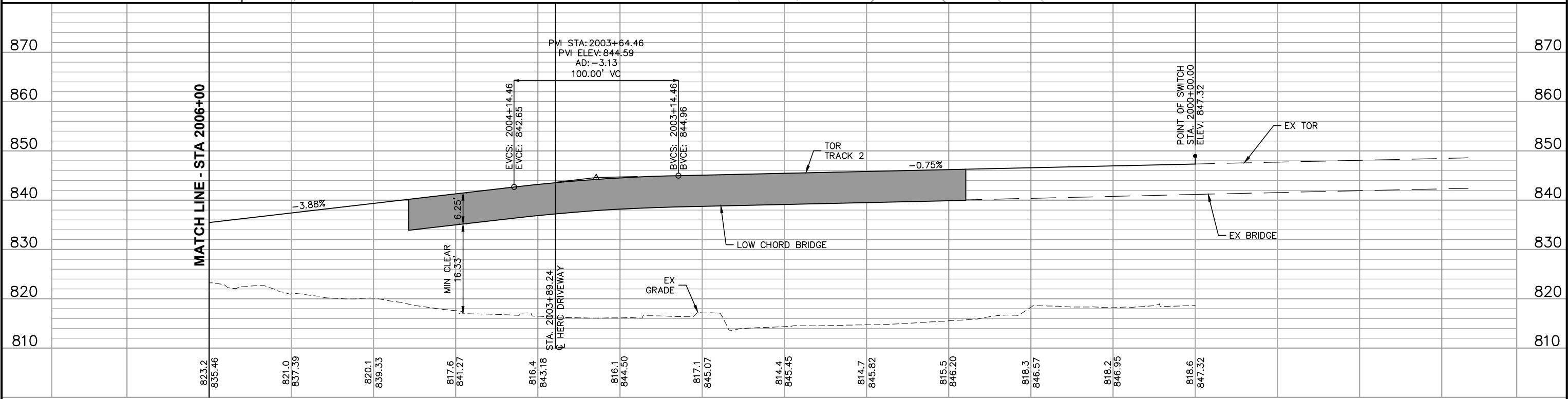
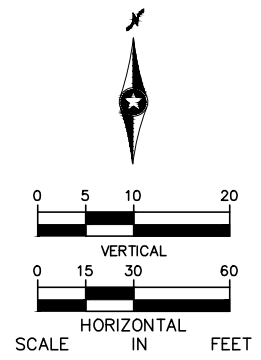
SHEET NAME: M-TRK-TYPES-026

**SHEET
52
OF
107**

Dec. 07 2015 08:18 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK M-TRK-PPFL.dwg By: V-Prudho



CURVE NO 2-1	
R =	270.00'
Lc =	121.50'
Ls =	30.00'
Ea =	0.00"
Eu =	1.47"
Vd =	10 MPH



2006+00 2005+00 2004+00 2003+00 2002+00 2001+00 2000+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn
WSP | **PARSONS BRINCKERHOFF**
 MUNICIPAL CONSENT

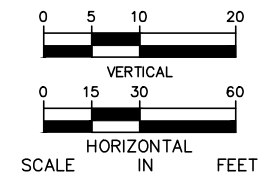


SEGMENT M
6TH AVE N
PLAN AND PROFILE
STA 2000+00 TO STA 2006+00

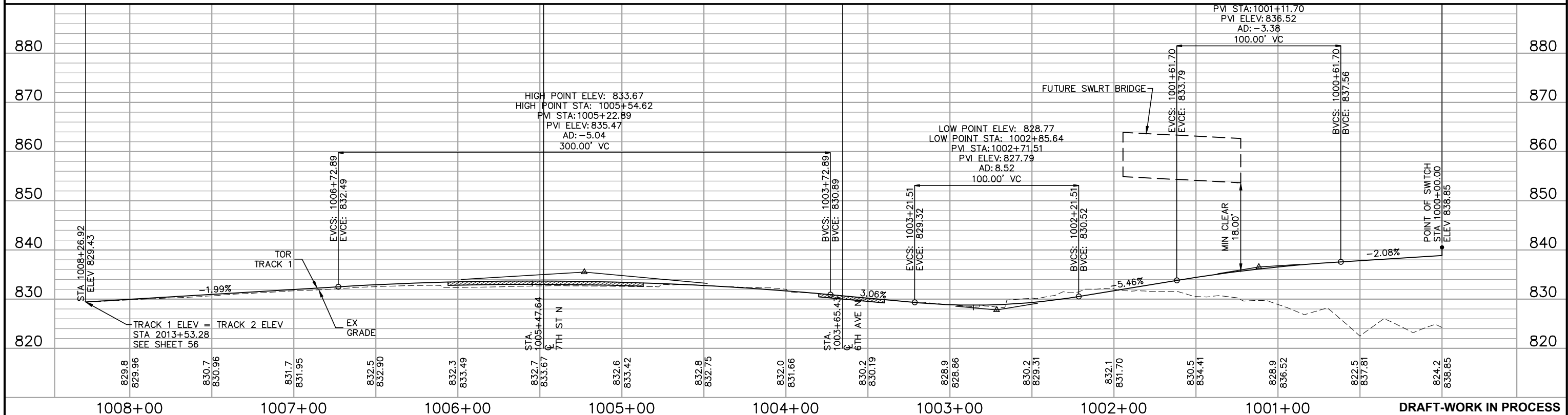
DISCIPLINE: **TRACK** SHEET NAME: **M-TRK-PPFL-001**

SHEET
53
OF
107

Dec. 07 2015 08:19 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK M-TRK-PPFL.dwg By: V-Prudho



NOTE:
 TRACK 1 PROFILE SHOWN BELOW DUE TO DEVIATION FROM TRACK 2
 PROFILE IN THIS AREA. SEE SHEETS 53, 55 & 56 FOR PLAN VIEW.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

1008+00 1007+00 1006+00 1005+00 1004+00 1003+00 1002+00 1001+00 DRAFT-WORK IN PROCESS

Kimley»Horn
WSP | PARSONS BRINCKERHOFF
 MUNICIPAL CONSENT

METRO BLUE LINE EXTENSION
METROPOLITAN COUNCIL

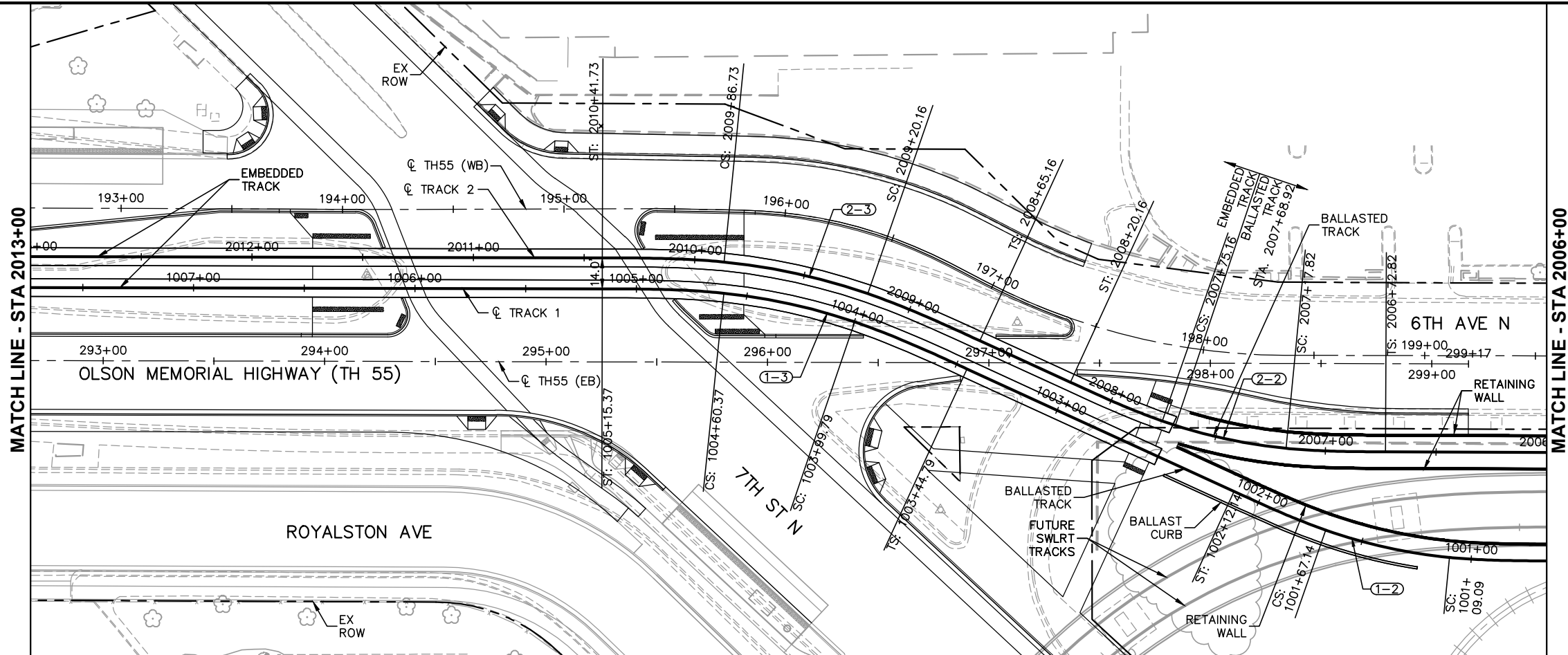
SEGMENT M
6TH AVE N/OLSON MEMORIAL HWY (TH55)
PROFILE
STA 1000+00 TO STA 1008+27
 DISCIPLINE: TRACK SHEET NAME: M-TRK-PPFL-001A

SHEET 54 OF 107

Dec. 07 2015 08:23 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho

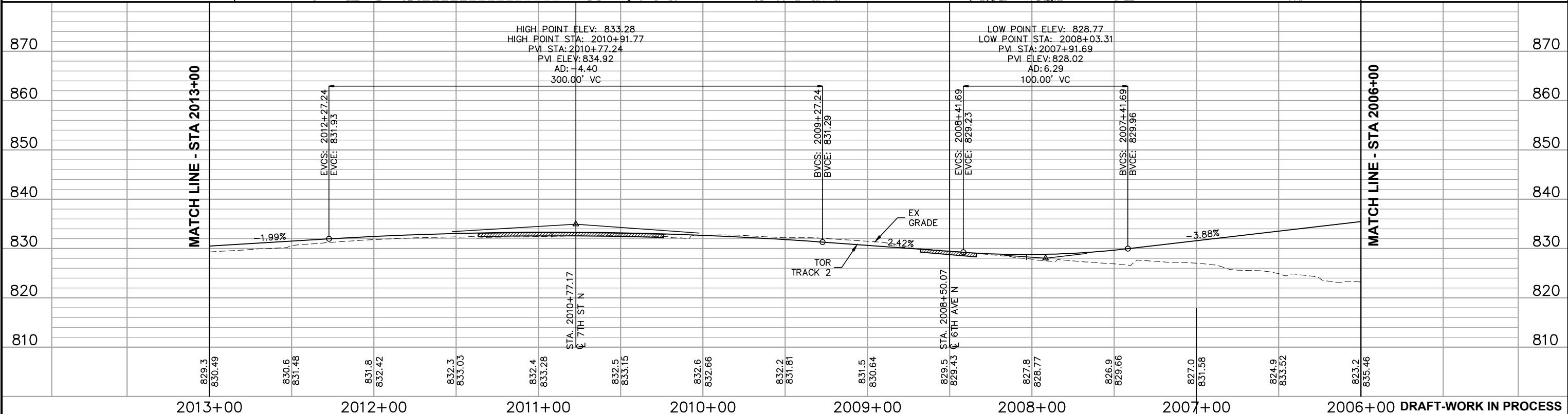
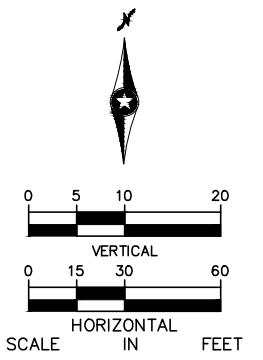
CURVE NO 2-3	
R = 284.00'	
Lc = 66.57'	
Ls = 55.00'	
Ea = 0.00"	
Eu = 3.14"	
Vd = 15 MPH	

CURVE NO 1-3	
R = 270.00'	
Lc = 60.58'	
Ls = 55.00'	
Ea = 0.00"	
Eu = 3.30"	
Vd = 15 MPH	



CURVE NO 2-2	
R = 240.00'	
Lc = 57.34'	
Ls = 45.00'	
Ea = 1.25"	
Eu = 2.46"	
Vd = 15 MPH	

CURVE NO 1-2	
R = 240.00'	
Lc = 57.35'	
Ls = 45.00'	
Ea = 1.25"	
Eu = 2.46"	
Vd = 15 MPH	



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

2013+00	2012+00	2011+00	2010+00	2009+00	2008+00	2007+00	2006+00
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MUNICIPAL CONSENT

METRO BLUE LINE EXTENSION

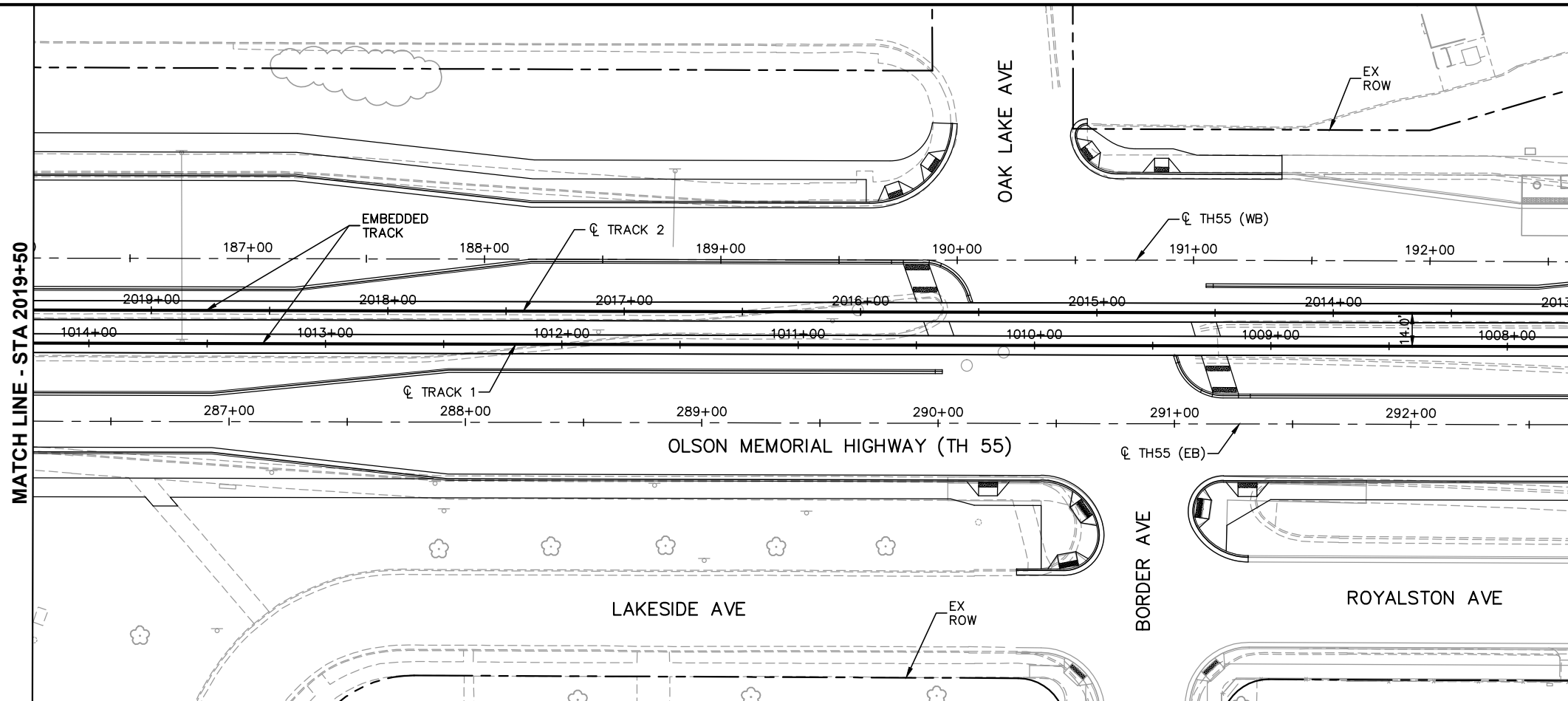
METROPOLITAN COUNCIL

SEGMENT M
6TH AVE N/OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2006+00 TO STA 2013+00

DISCIPLINE: TRACK SHEET NAME: M-TRK-PPFL-002

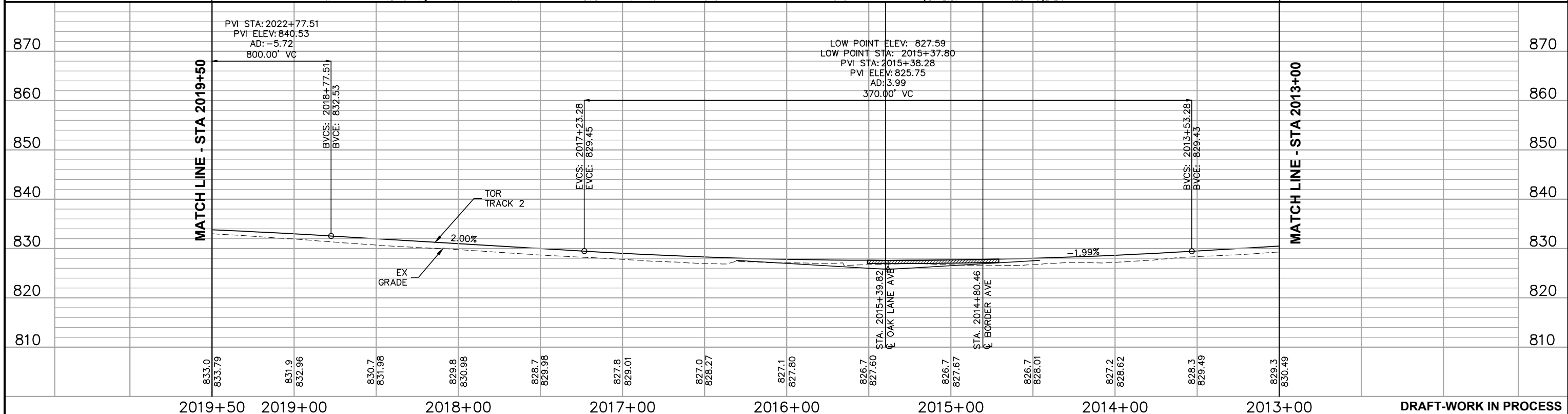
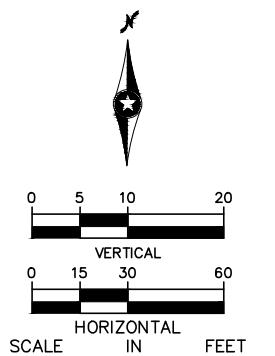
SHEET	55
OF	107

Dec. 07 2015 06:24 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M\C\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V--Prudho



MATCH LINE - STA 2013+00

MATCH LINE - STA 2019+50



MATCH LINE - STA 2013+00

MATCH LINE - STA 2019+50

2019+50 2019+00 2018+00 2017+00 2016+00 2015+00 2014+00 2013+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL






MUNICIPAL CONSENT



SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2013+00 TO STA 2019+50

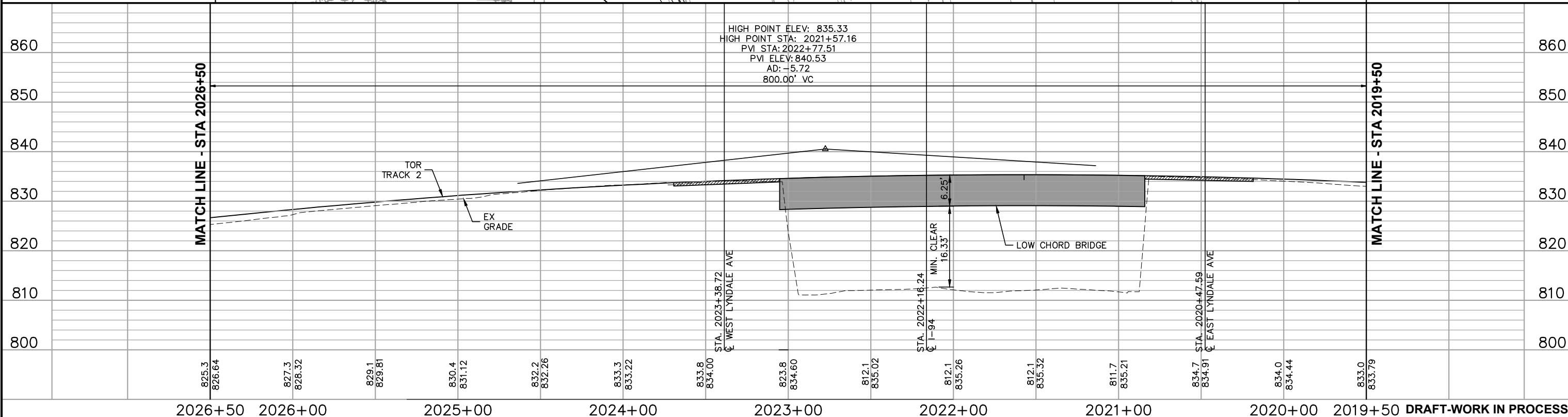
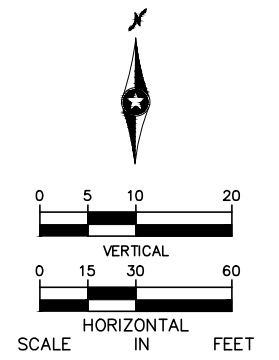
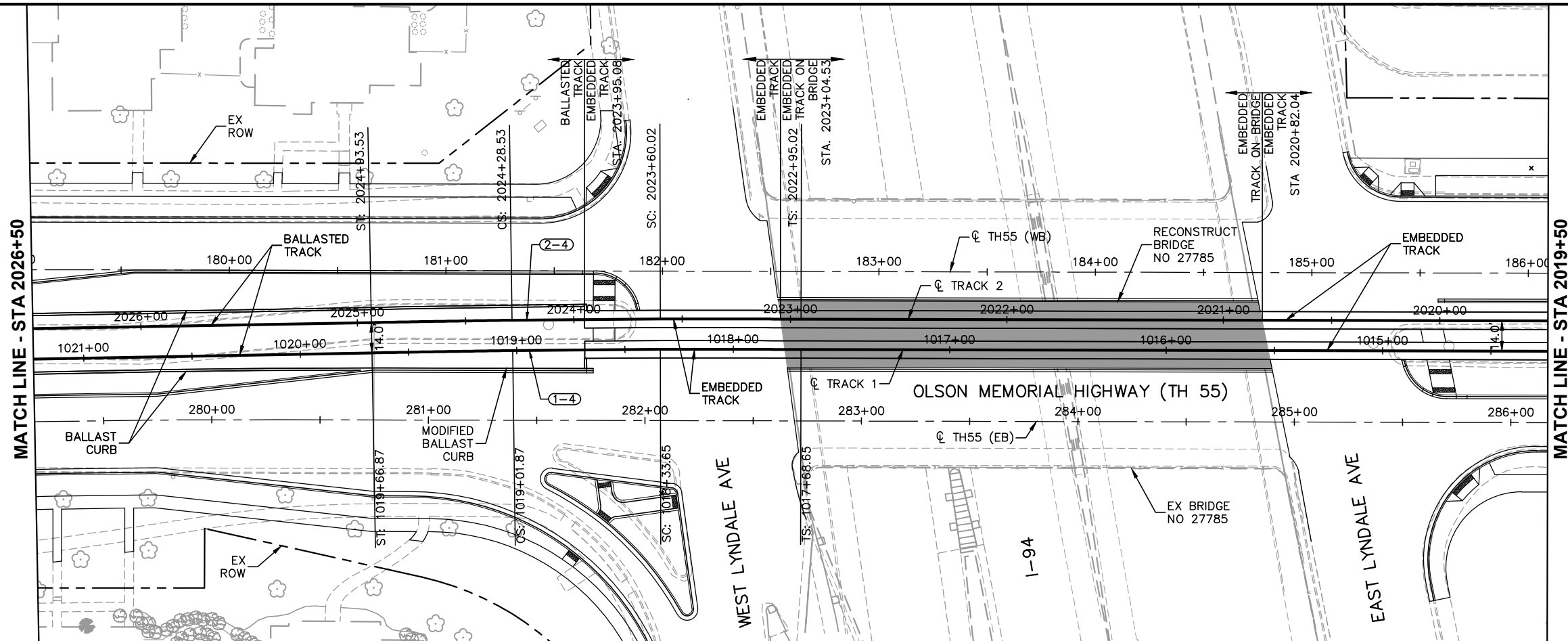
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SHEET **56**
OF
107

Dec. 07 2015 06:26 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\WC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho

CURVE NO 2-4	
R = 6514.00'	
Lc = 68.51'	
Ls = 65.00'	
Ea = 0.00"	
Eu = 1.23"	
Vd = 45 MPH	

CURVE NO 1-4	
R = 6500.00'	
Lc = 68.22'	
Ls = 65.00'	
Ea = 0.00"	
Eu = 1.23"	
Vd = 45 MPH	



NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

METRO BLUE LINE EXTENSION

METROPOLITAN COUNCIL

SEGMENT M

OLSON MEMORIAL HWY (TH55)

PLAN AND PROFILE

STA 2019+50 TO STA 2026+50

DISCIPLINE: TRACK

SHEET NAME: M-TRK-PPFL-004

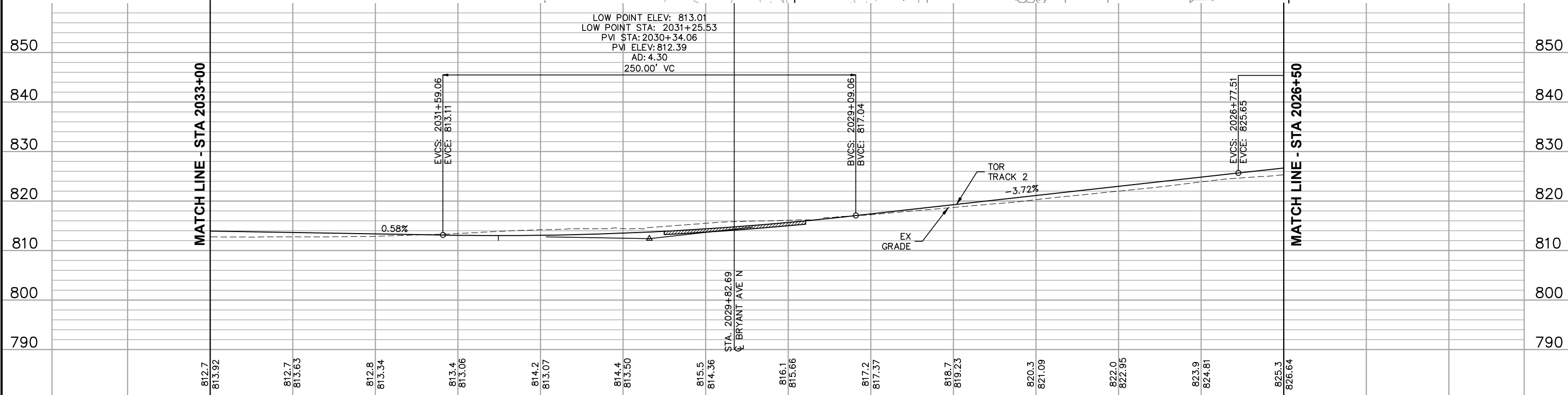
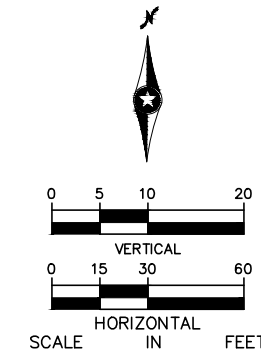
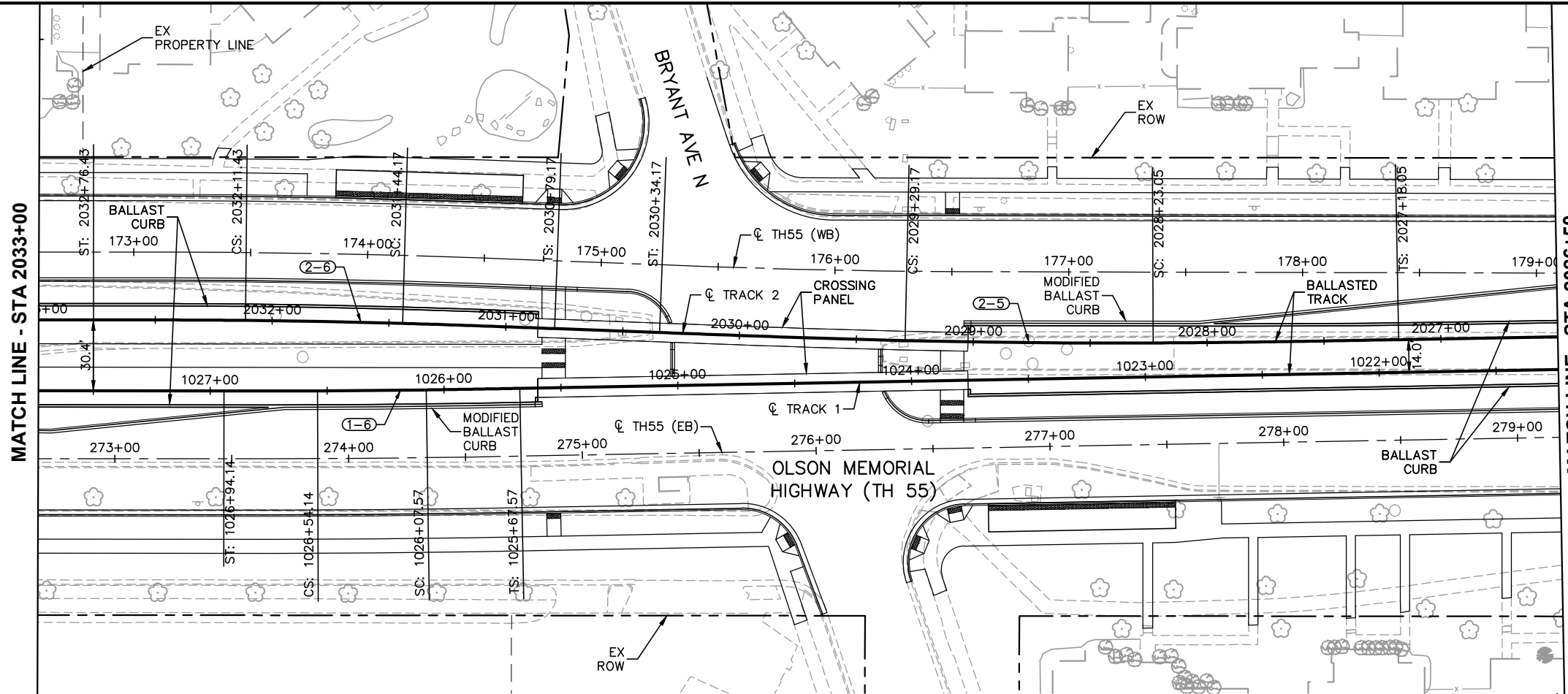
SHEET 57 OF 107

Dec. 07 2015 06:29 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho

CURVE NO 2-6	
R = 3600.00'	
Lc = 67.26'	
Ls = 65.00'	
Ea = 1.00"	
Eu = 1.23"	
Vd = 45 MPH	

CURVE NO 1-6	
R = 4600.00'	
Lc = 46.57'	
Ls = 40.00'	
Ea = 0.50"	
Eu = 0.88"	
Vd = 40 MPH	

CURVE NO 2-5	
R = 3800.00'	
Lc = 106.12'	
Ls = 105.00'	
Ea = 0.00"	
Eu = 2.11"	
Vd = 45 MPH	



2033+00 2032+00 2031+00 2030+00 2029+00 2028+00 2027+00 2026+50 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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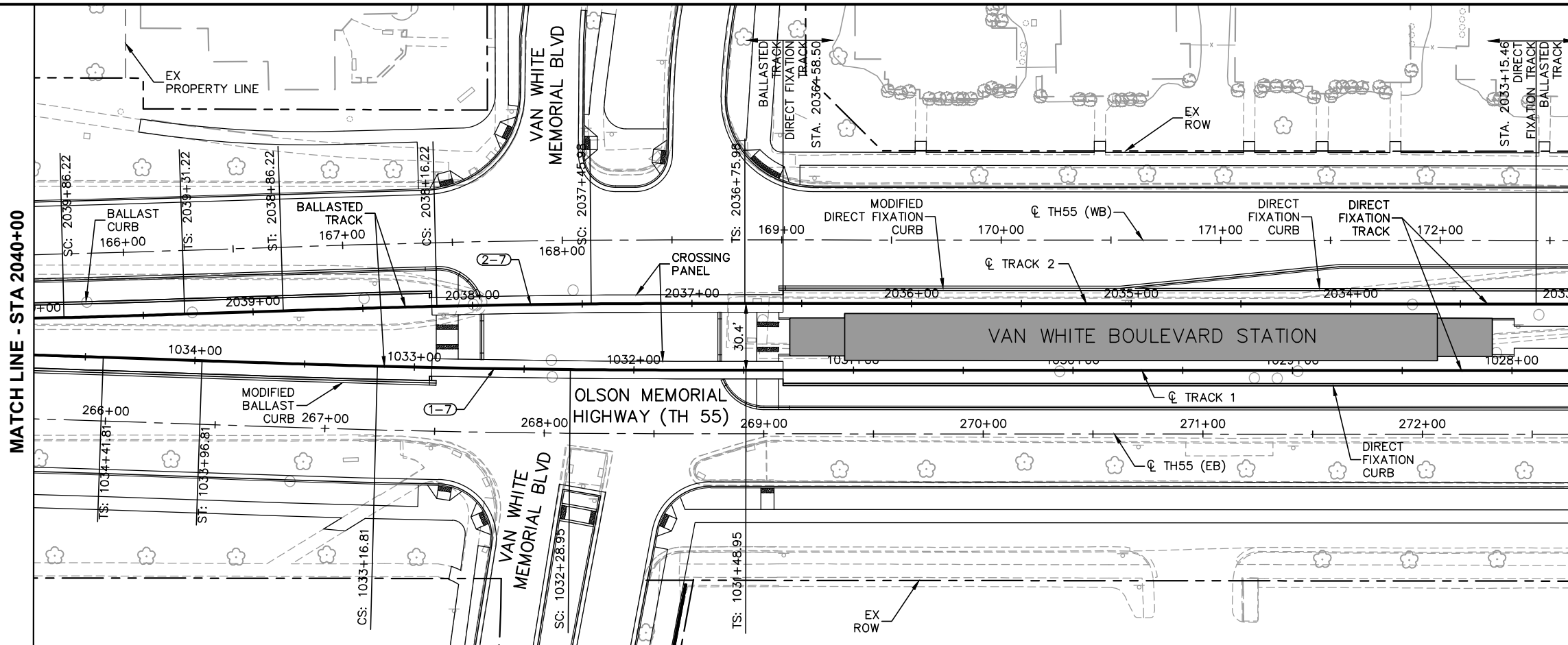
**SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2026+50 TO STA 2033+00**

DISCIPLINE: TRACK

SHEET NAME: M-TRK-PPFL-005

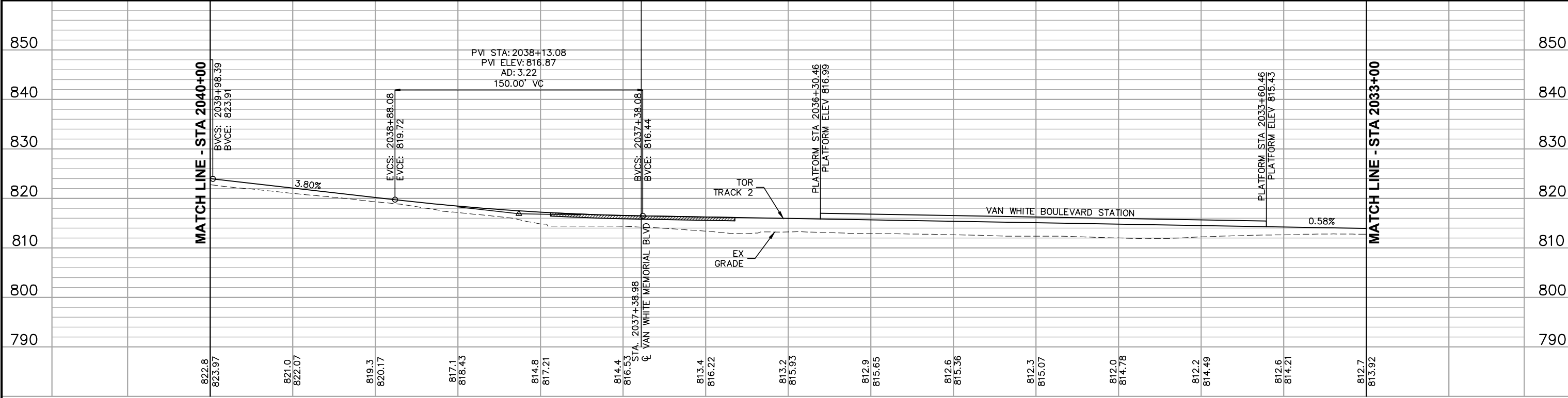
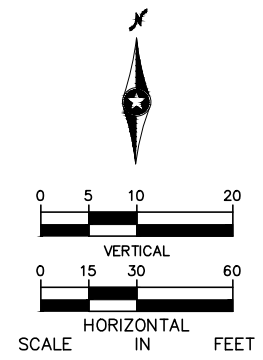
SHEET
58
OF
107

Dec. 07 2015 08:32 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\WC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho



CURVE NO 2-7	
R =	4250.00'
Lc =	70.24'
Ls =	70.00'
Ea =	0.00"
Eu =	1.49"
Vd =	40 MPH

CURVE NO 1-7	
R =	5000.00'
Lc =	87.86'
Ls =	80.00'
Ea =	0.00"
Eu =	1.60"
Vd =	45 MPH



2040+00 2039+00 2038+00 2037+00 2036+00 2035+00 2034+00 2033+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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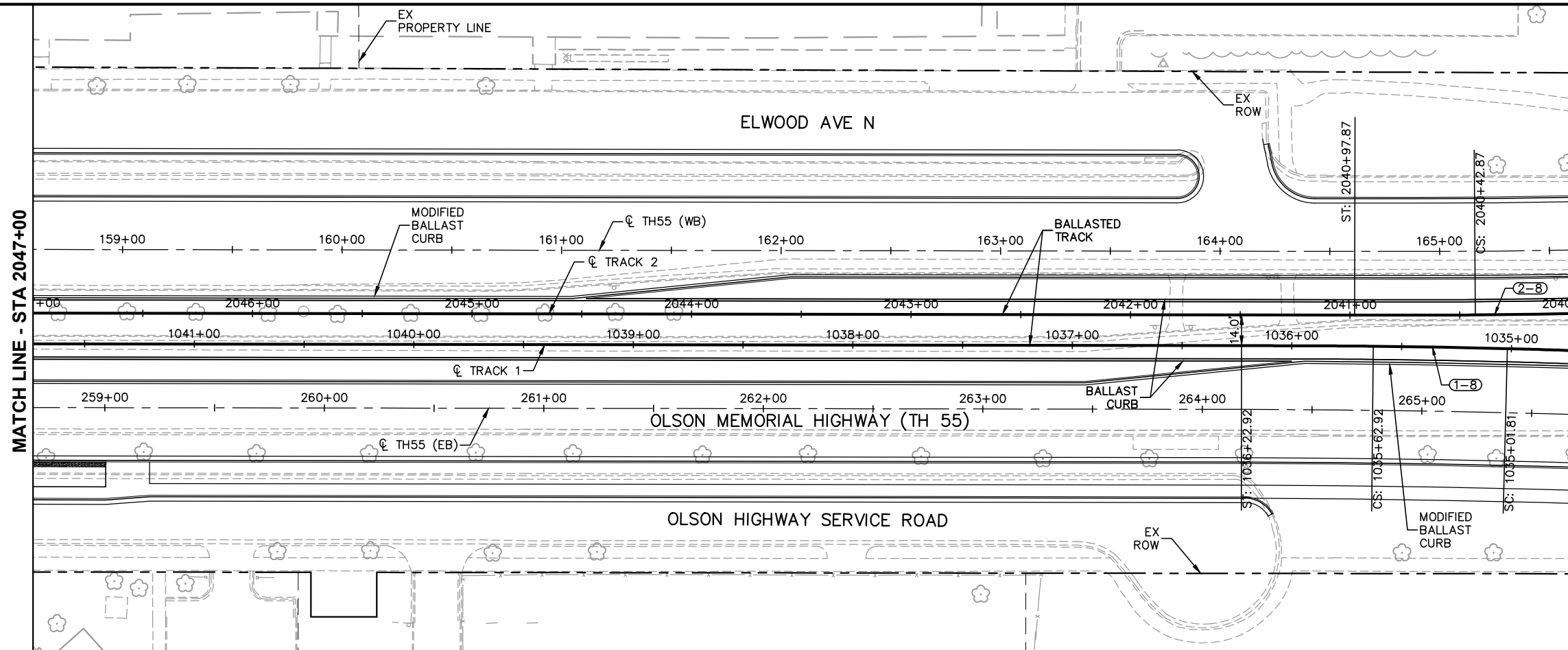


SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2033+00 TO STA 2040+00

DISCIPLINE: **TRACK** SHEET NAME: **M-TRK-PPFL-006**

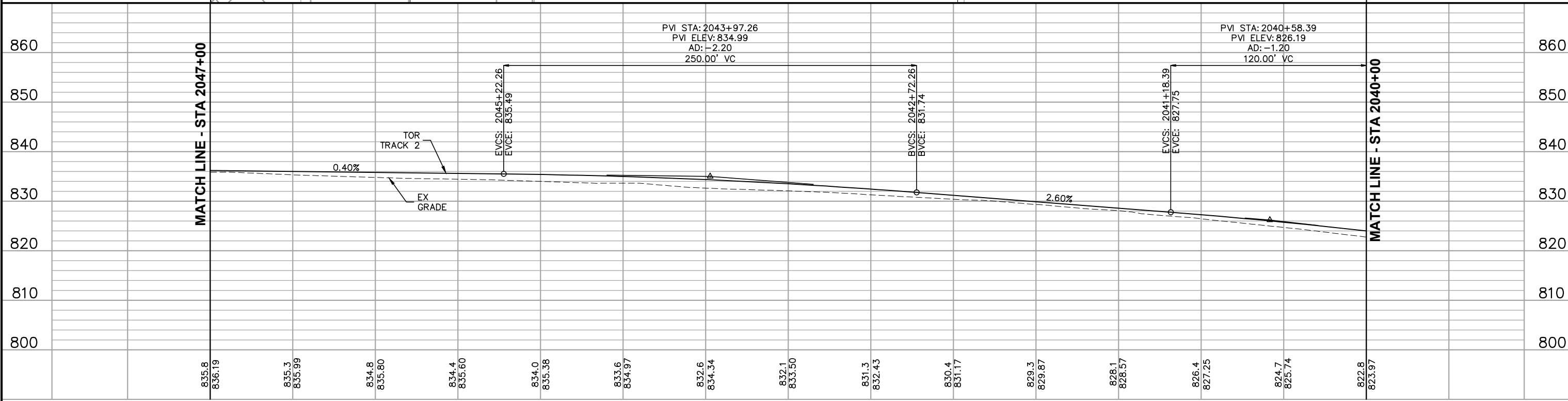
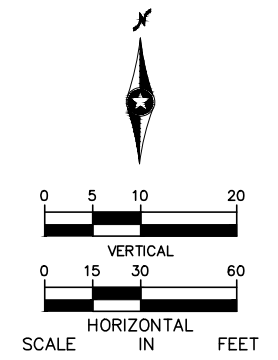
SHEET **59**
OF
107

Dec. 07 2015 08:35 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\WC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho



CURVE NO 2-8	
R =	3300.00'
Lc =	56.65'
Ls =	55.00'
Ea =	0.75"
Eu =	1.17"
Vd =	40 MPH

CURVE NO 1-8	
R =	3700.00'
Lc =	61.11'
Ls =	60.00'
Ea =	1.00"
Eu =	1.17"
Vd =	45 MPH



835.8 836.19	835.3 835.99	834.8 835.80	834.4 835.60	834.0 835.38	833.6 834.97	832.6 834.34	832.1 833.50	831.3 832.43	830.4 831.17	829.3 829.87	828.1 828.57	826.4 827.25	824.7 825.74	822.8 823.97
2047+00		2046+00		2045+00		2044+00		2043+00		2042+00		2041+00		2040+00

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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**SEGMENT M
 OLSON MEMORIAL HWY (TH55)
 PLAN AND PROFILE
 STA 2040+00 TO STA 2047+00**

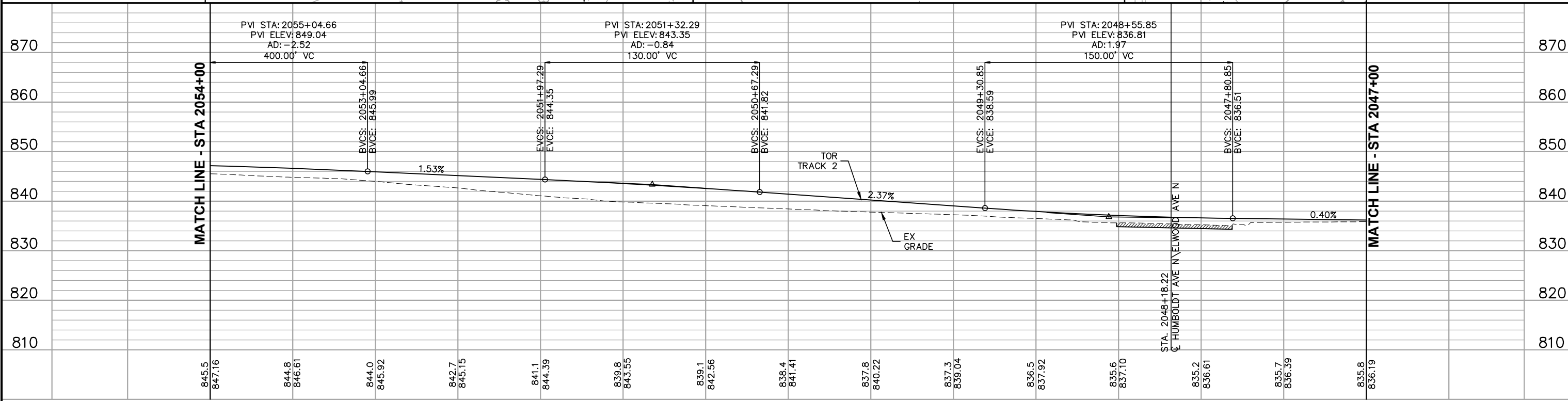
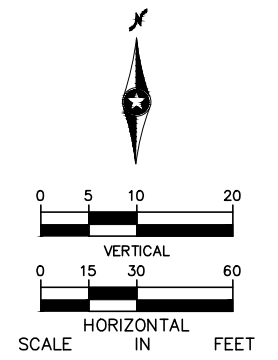
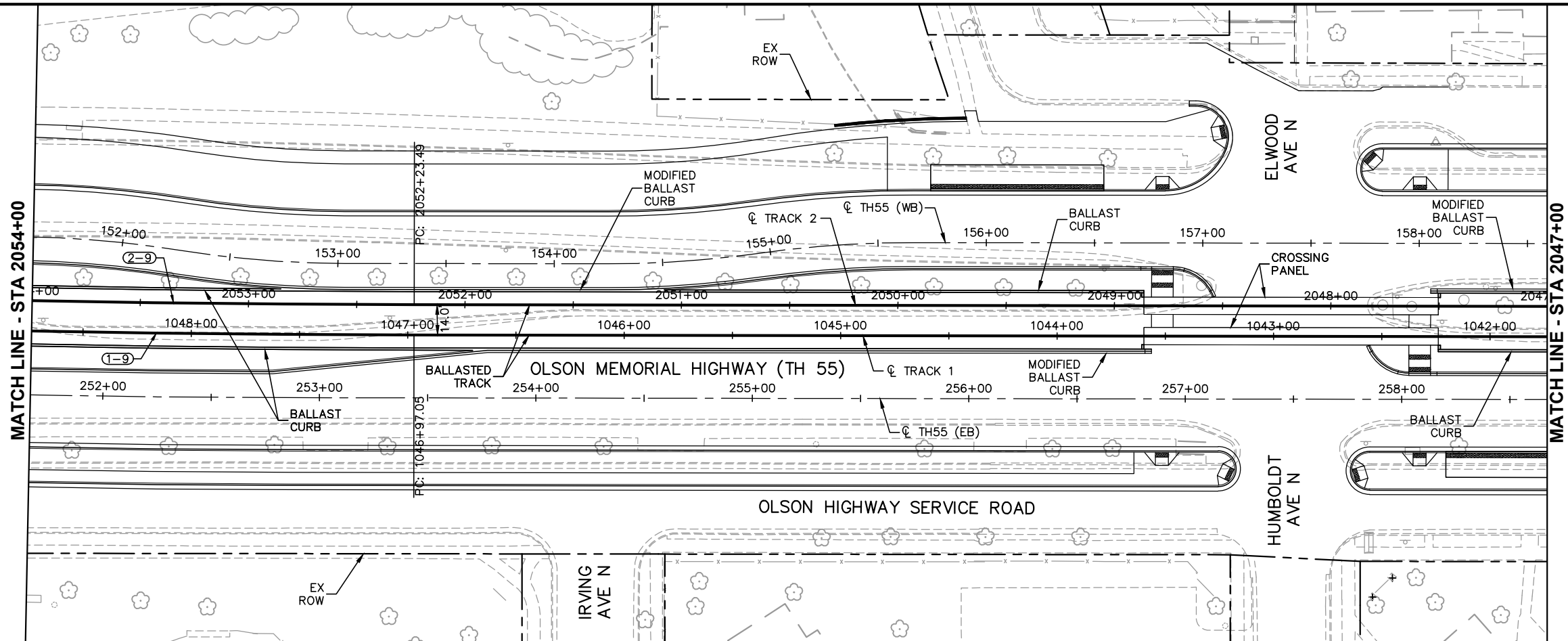
DISCIPLINE: **TRACK** SHEET NAME: **M-TRK-PPFL-007**

SHEET
 60
 OF
 107

Dec. 07 2015 08:37 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho

CURVE NO 2-9	
R = 10000.00'	
Lc = 181.24'	
Ls = 0.00'	
Ea = 0.00"	
Eu = 1.43"	
Vd = 60 MPH	

CURVE NO 1-9	
R = 10014.00'	
Lc = 181.49'	
Ls = 0.00'	
Ea = 0.00"	
Eu = 1.42"	
Vd = 60 MPH	



2054+00 2053+00 2052+00 2051+00 2050+00 2049+00 2048+00 2047+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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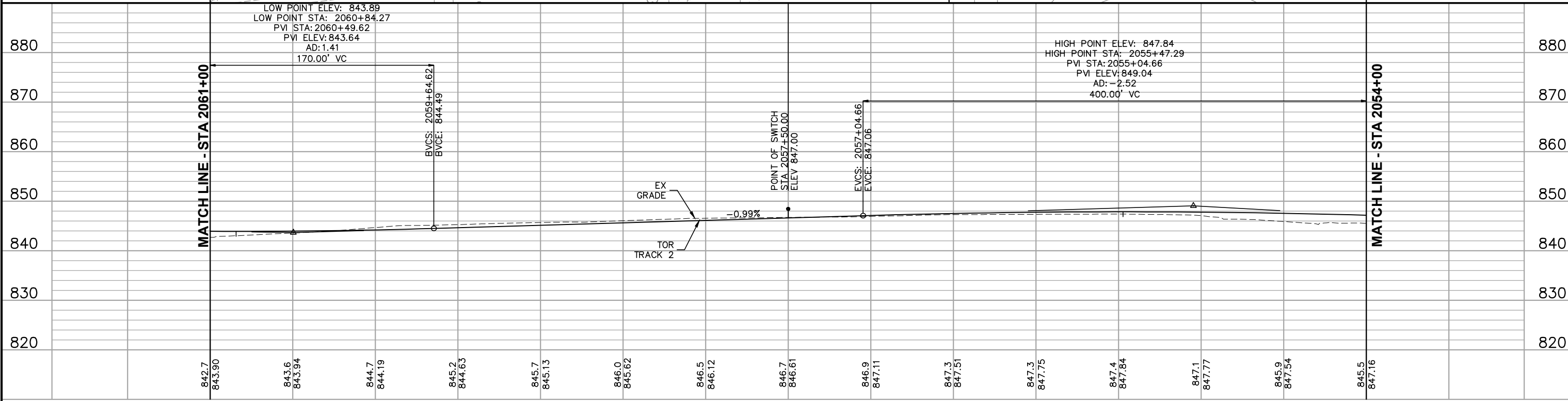
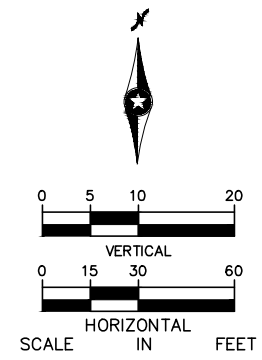
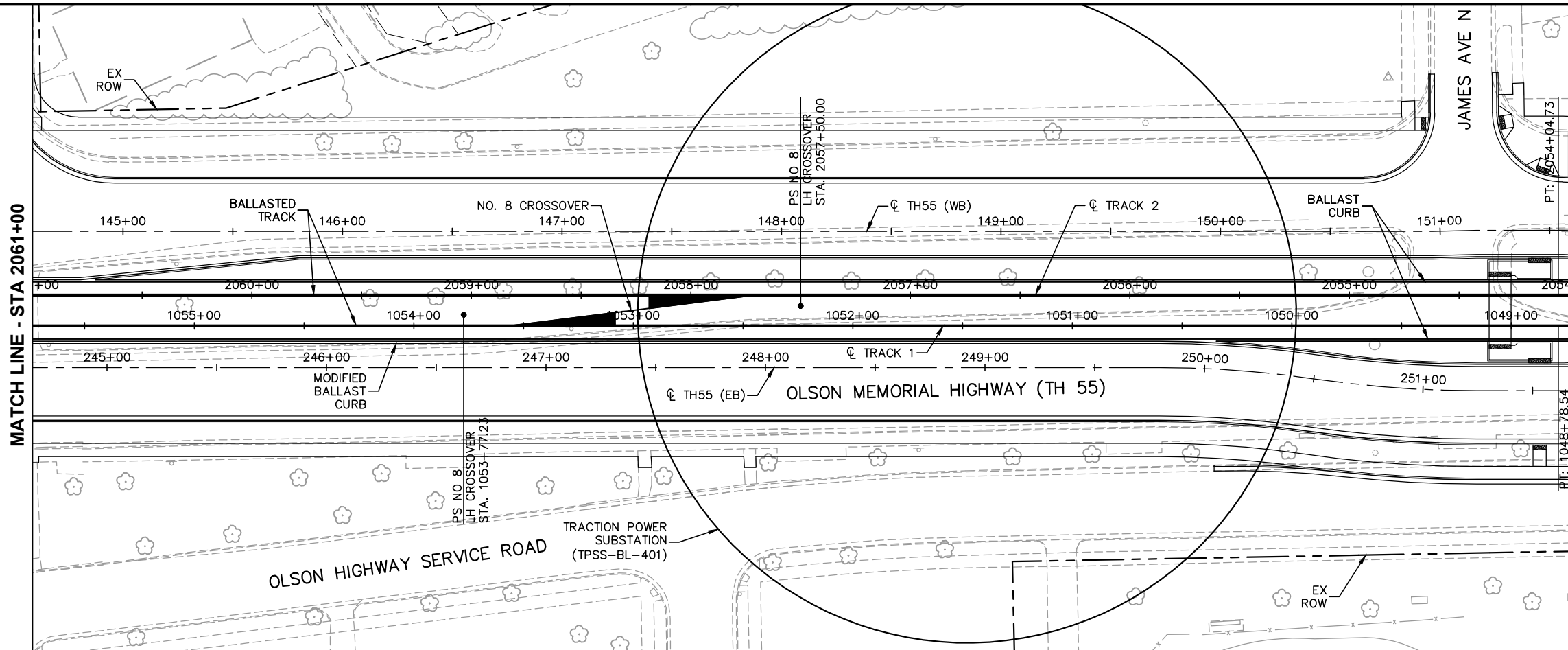


SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2047+00 TO STA 2054+00

DISCIPLINE: TRACK SHEET NAME: M-TRK-PPFL-008

SHEET 61 OF 107

Dec. 07 2015 08:39 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho



2061+00 2060+00 2059+00 2058+00 2057+00 2056+00 2055+00 2054+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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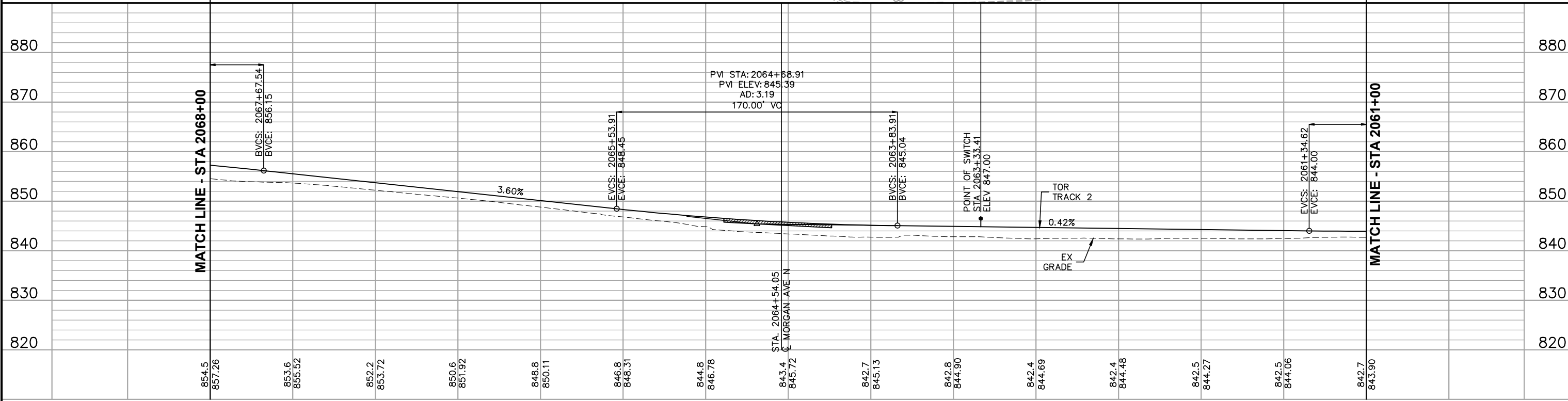
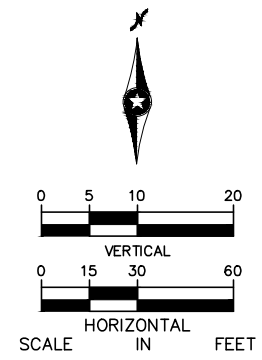
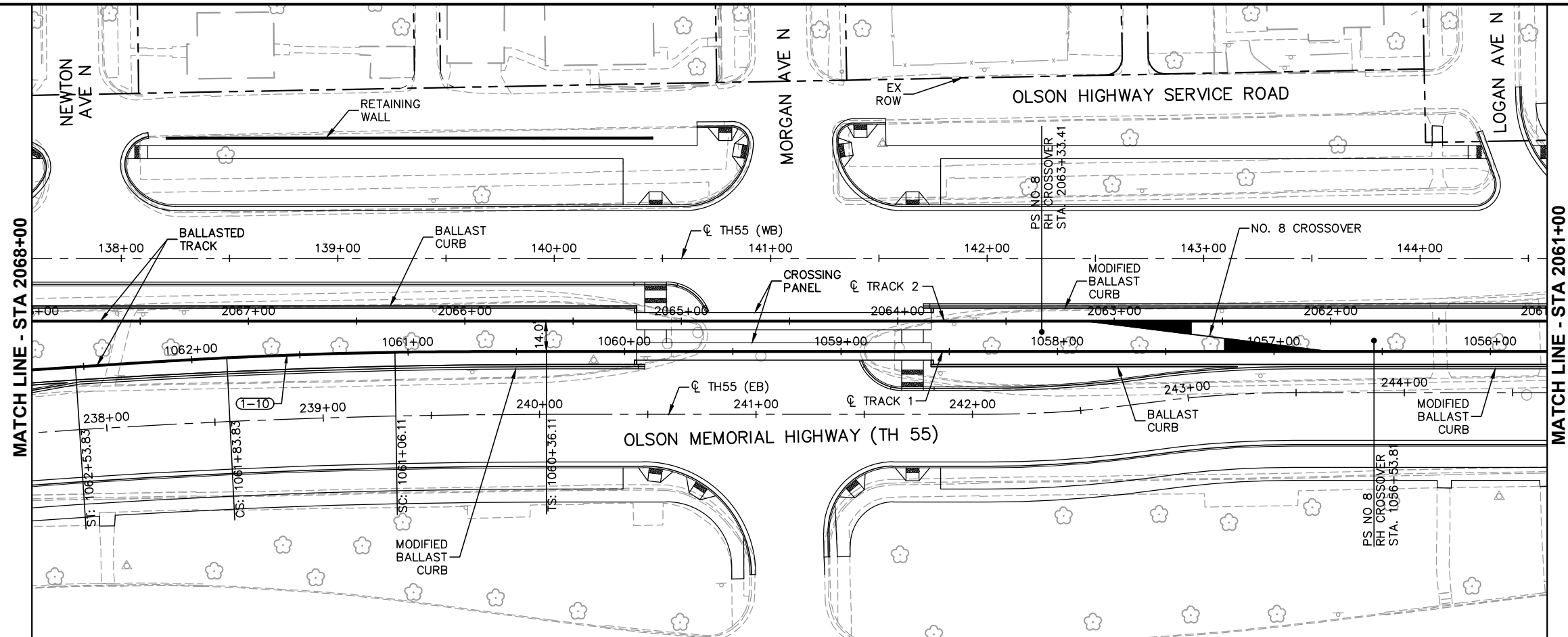
SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2054+00 TO STA 2061+00

DISCIPLINE: TRACK SHEET NAME: M-TRK-PPFL-009

SHEET 62 OF 107

Dec. 07 2015 08:41 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK M-TRK-PPFL.dwg By: V-Prudho

CURVE NO 1-10	
R =	2250.00'
Lc =	77.72'
Ls =	70.00'
Ea =	1.25"
Eu =	1.57"
Vd =	40 MPH



2068+00 2067+00 2066+00 2065+00 2064+00 2063+00 2062+00 2061+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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 MUNICIPAL CONSENT

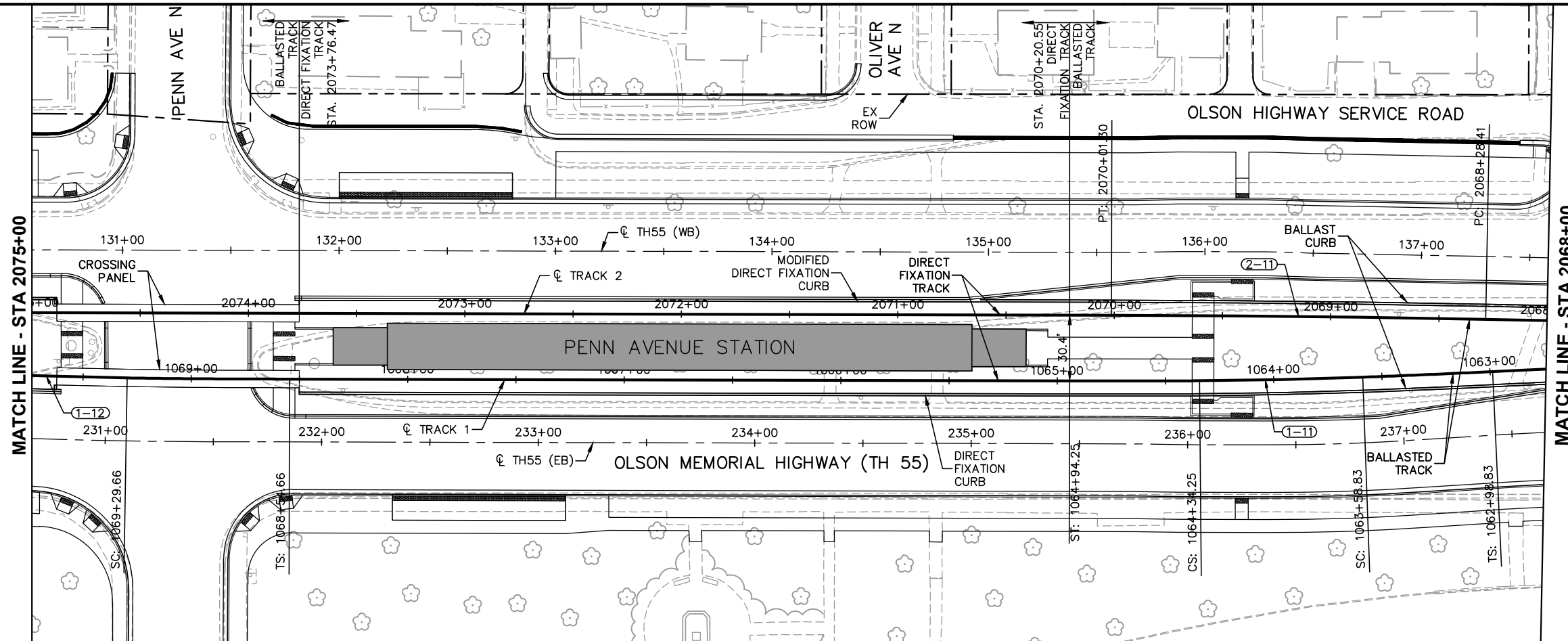


**SEGMENT M
 OLSON MEMORIAL HWY (TH55)
 PLAN AND PROFILE
 STA 2061+00 TO STA 2068+00**

DISCIPLINE: **TRACK** SHEET NAME: **M-TRK-PPFL-010**

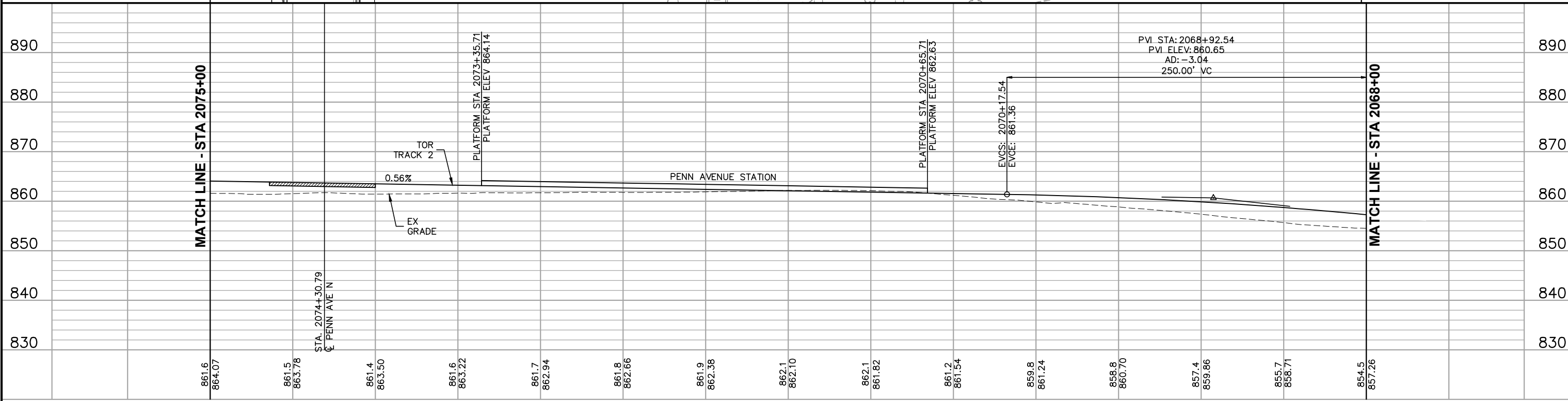
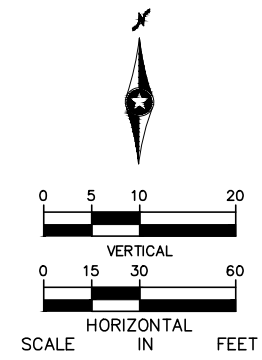
SHEET **63**
 OF **107**

Dec. 07 2015 08:43 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho



CURVE NO 2-11	
R =	10000.00'
Lc =	172.89'
Ls =	0.00'
Ea =	0.00"
Eu =	0.80"
Vd =	45 MPH

CURVE NO 1-11	
R =	2800.00'
Lc =	75.42'
Ls =	60.00'
Ea =	1.00"
Eu =	1.26"
Vd =	40 MPH



2075+00 2074+00 2073+00 2072+00 2071+00 2070+00 2069+00 2068+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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**SEGMENT M
 OLSON MEMORIAL HWY (TH55)
 PLAN AND PROFILE
 STA 2068+00 TO STA 2075+00**

DISCIPLINE: **TRACK** SHEET NAME: **M-TRK-PPFL-011**

SHEET **64**
 OF **107**

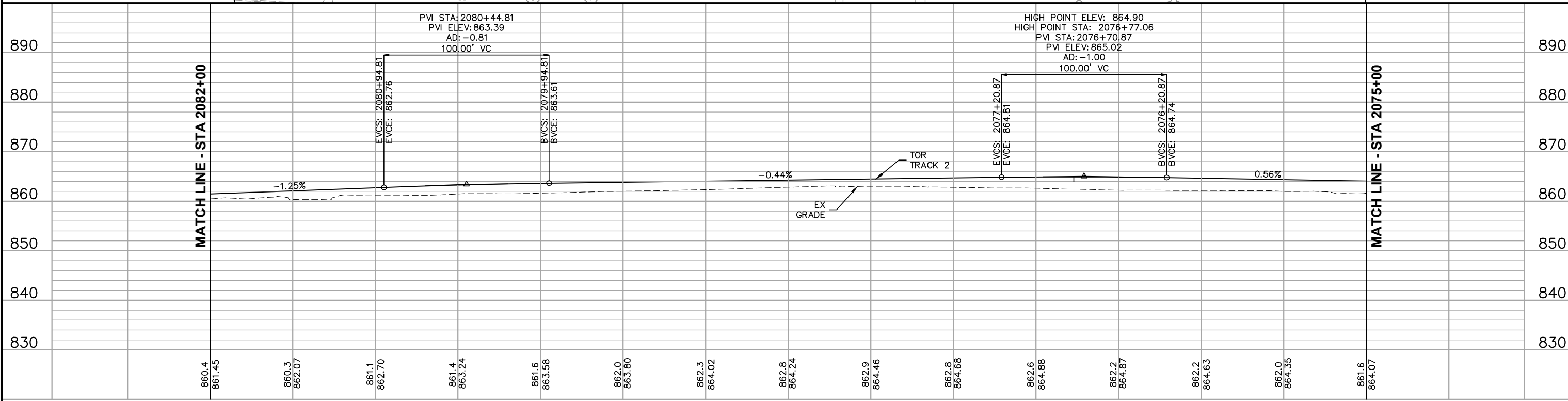
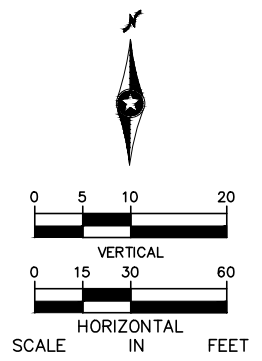
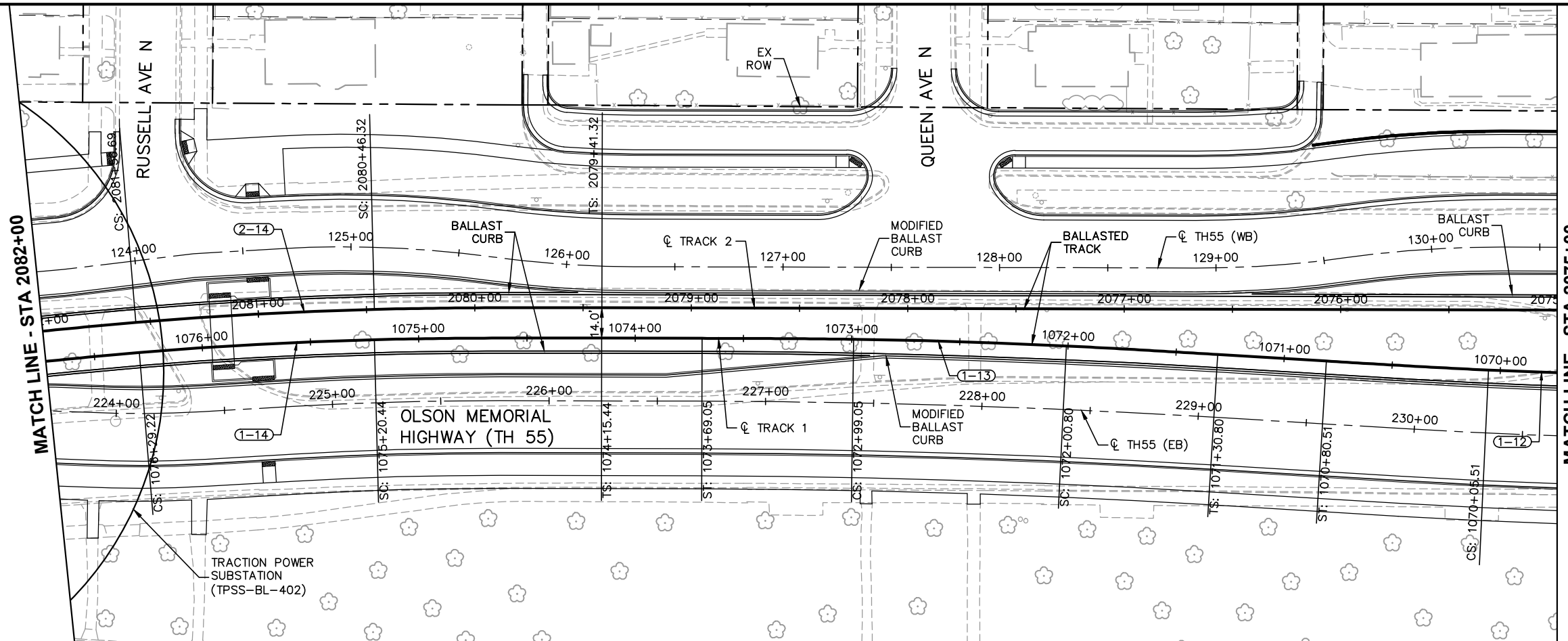
D:\BPO_550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho

CURVE NO 2-14	
R = 1889.00'	
Lc = 110.37'	
Ls = 105.00'	
Ea = 2.25"	
Eu = 2.00"	
Vd = 45 MPH	

CURVE NO 1-14	
R = 1875.00'	
Lc = 108.78'	
Ls = 105.00'	
Ea = 2.25"	
Eu = 2.03"	
Vd = 45 MPH	

CURVE NO 1-12	
R = 2600.00'	
Lc = 75.85'	
Ls = 75.00'	
Ea = 0.00"	
Eu = 1.87"	
Vd = 35 MPH	

CURVE NO 1-13	
R = 2900.00'	
Lc = 98.25'	
Ls = 70.00'	
Ea = 1.50"	
Eu = 1.27"	
Vd = 45 MPH	



2082+00 2081+00 2080+00 2079+00 2078+00 2077+00 2076+00 2075+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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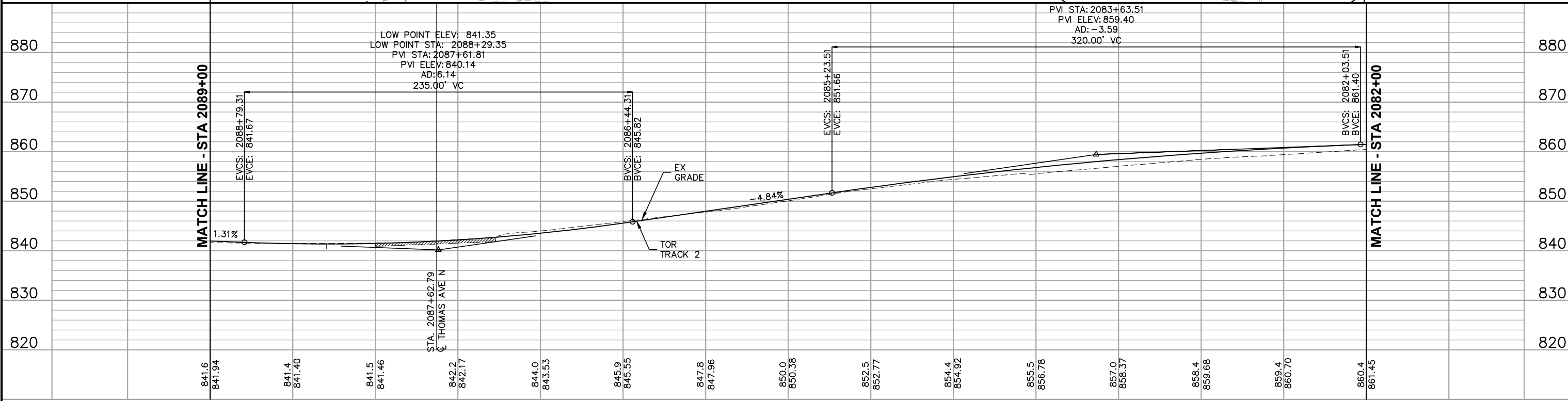
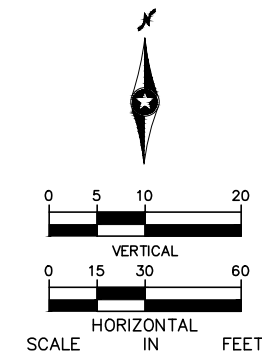
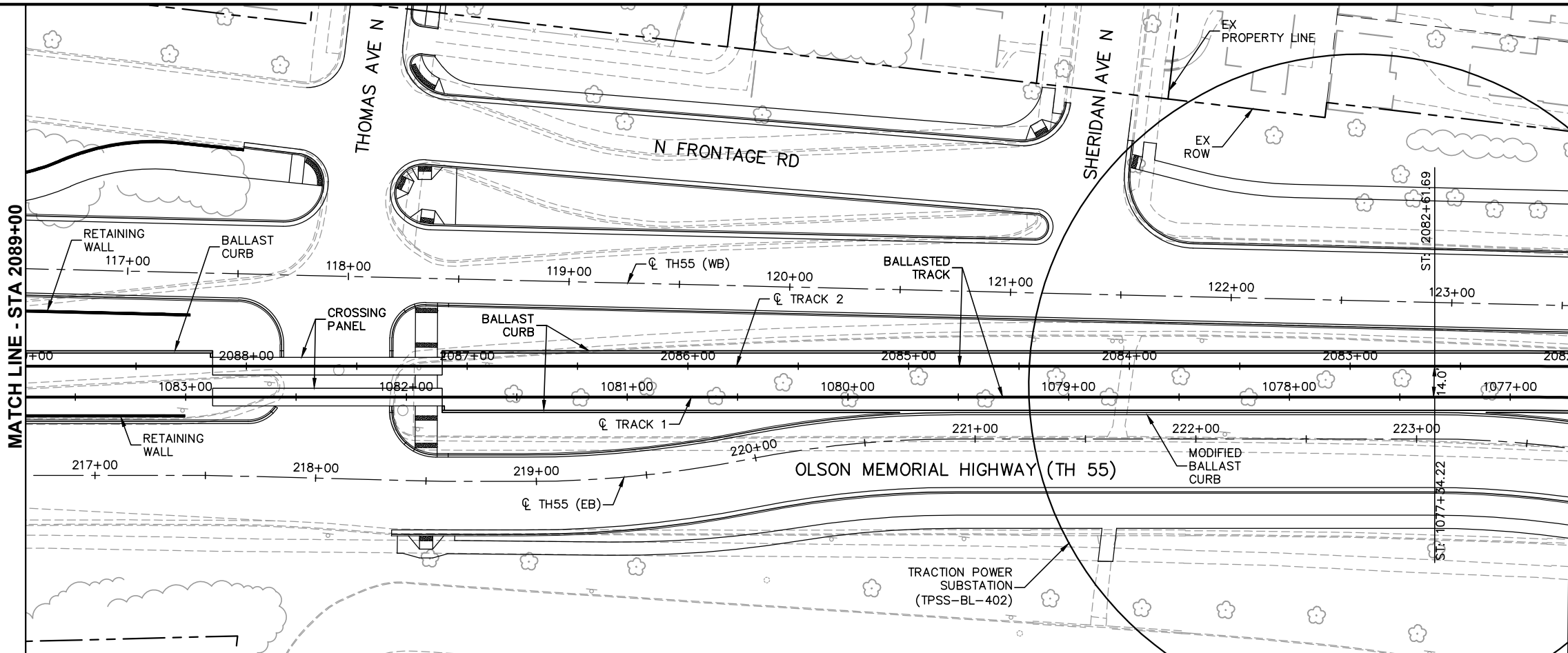


SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2075+00 TO STA 2082+00

DISCIPLINE: TRACK SHEET NAME: M-TRK-PPFL-012

SHEET 65 OF 107

Dec. 07 2015 08:49 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho



2089+00 2088+00 2087+00 2086+00 2085+00 2084+00 2083+00 2082+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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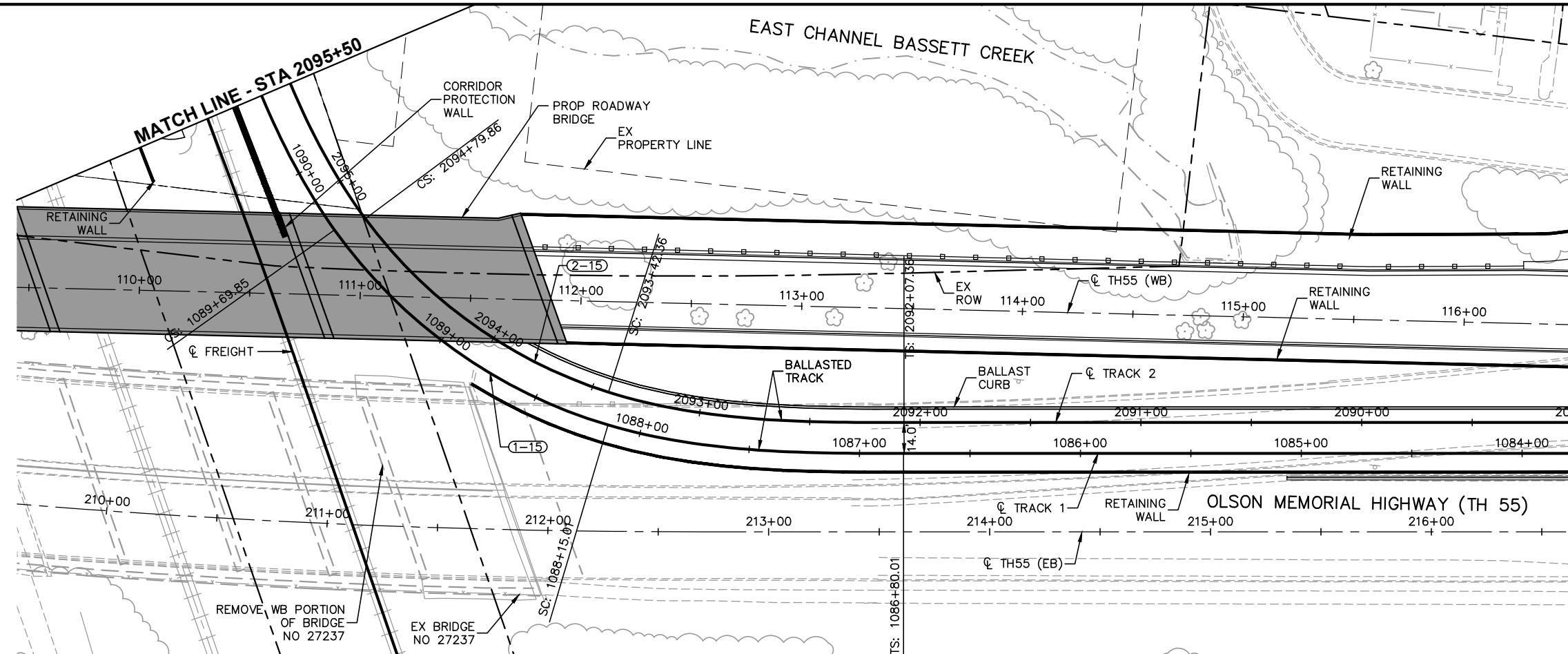


SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2082+00 TO STA 2089+00

DISCIPLINE: TRACK SHEET NAME: M-TRK-PPFL-013

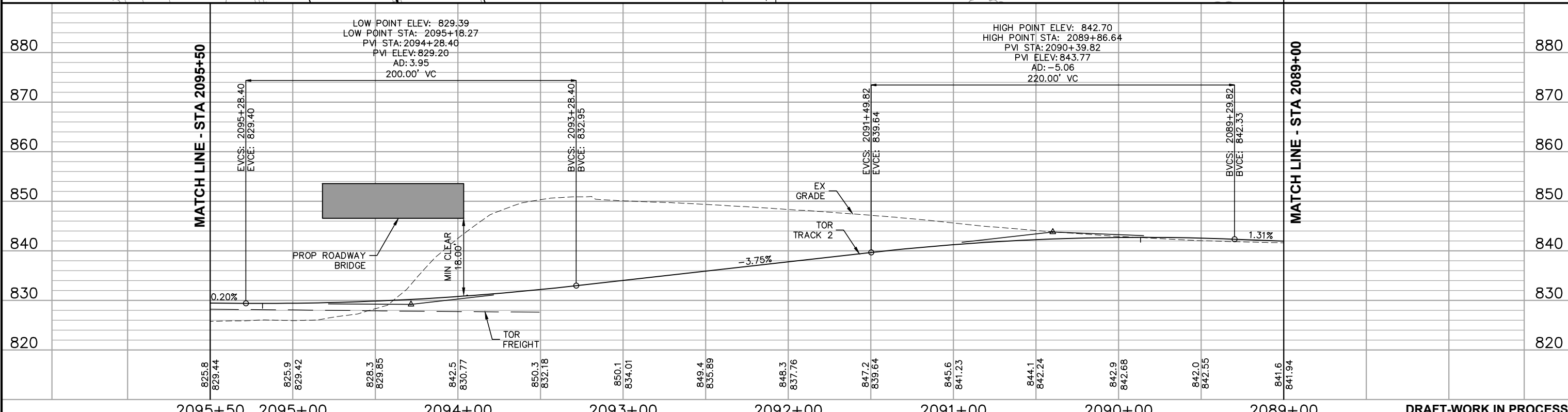
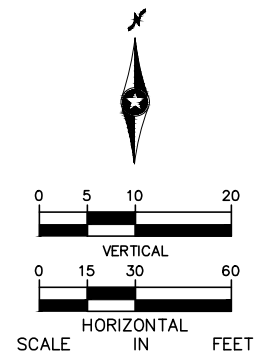
SHEET 66 OF 107

Dec. 07 2015 08:51 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\TRACK M-TRK-PPFL.dwg By: V-Prudho



CURVE NO 2-15
R = 220.00'
Lc = 137.50'
Ls = 135.00'
Ea = 4.00"
Eu = 3.20"
Vd = 20 MPH

CURVE NO 1-15
R = 234.00'
Lc = 154.84'
Ls = 135.00'
Ea = 4.00"
Eu = 2.77"
Vd = 20 MPH



2095+50 2095+00 2094+00 2093+00 2092+00 2091+00 2090+00 2089+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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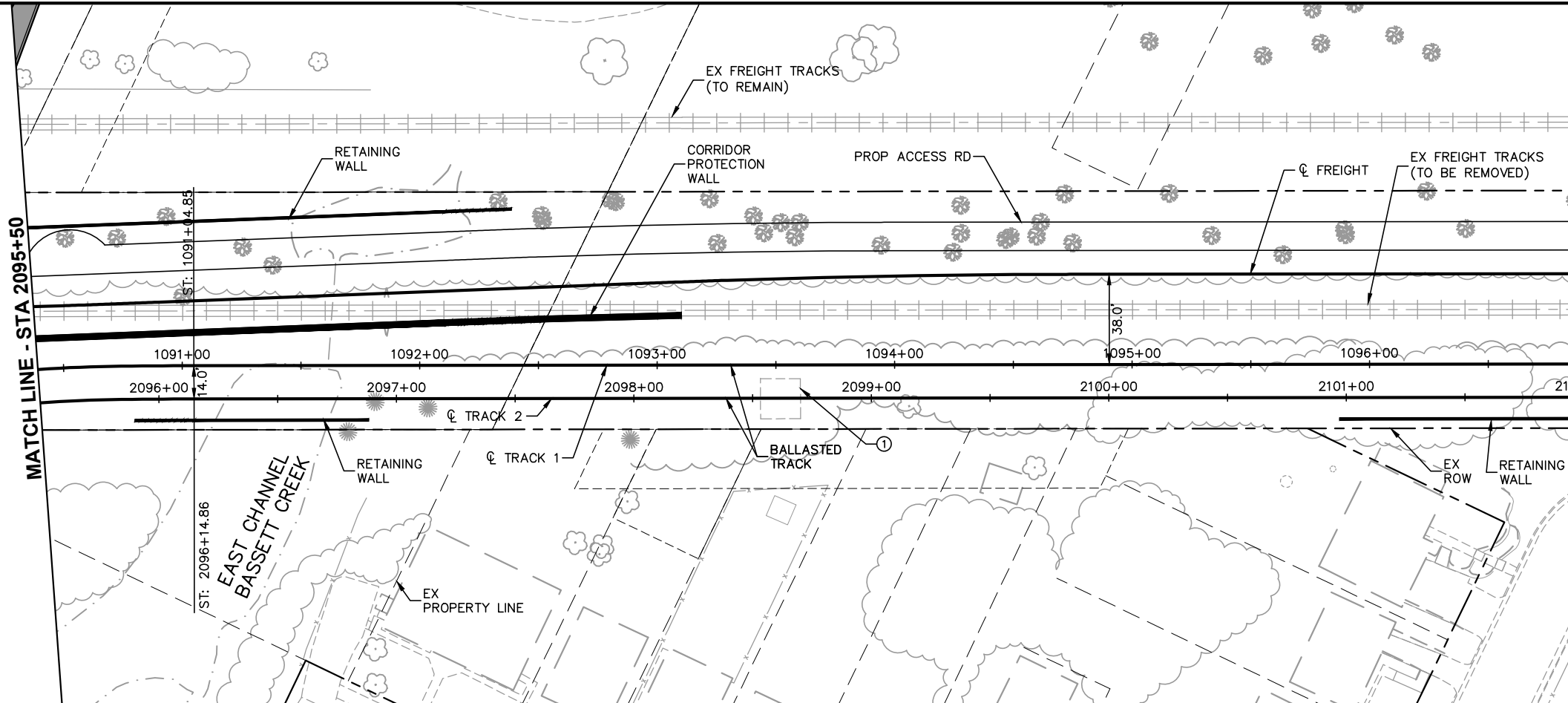


SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 2089+00 TO STA 2095+50

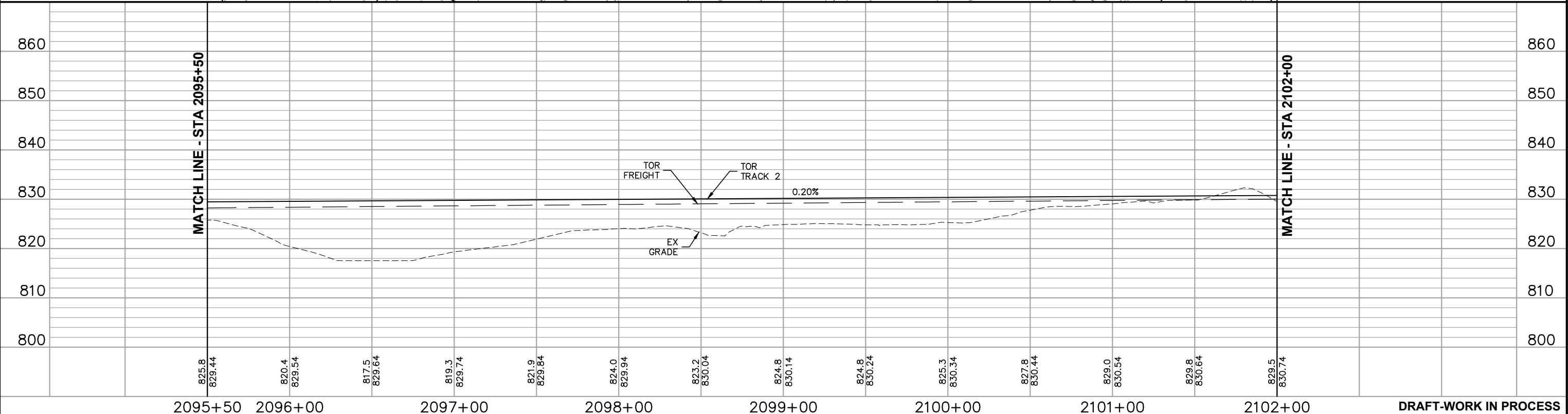
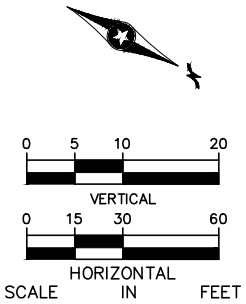
DISCIPLINE: TRACK SHEET NAME: M-TRK-PPFL-014

SHEET 67 OF 107

Dec. 07 2015 08:53 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M\C\PLAN SHEETS\TRACK\M-TRK-PPFL.dwg By: V-Prudho





① NOTES:
XCEL TRANSMISSION TOWERS TO BE SHIFTED TO WEST SIDE OF BNSF ROW. SEE TRACK TYPICAL SECTIONS.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

MUNICIPAL CONSENT

Kimley»Horn
WSP | **PARSONS BRINCKERHOFF**

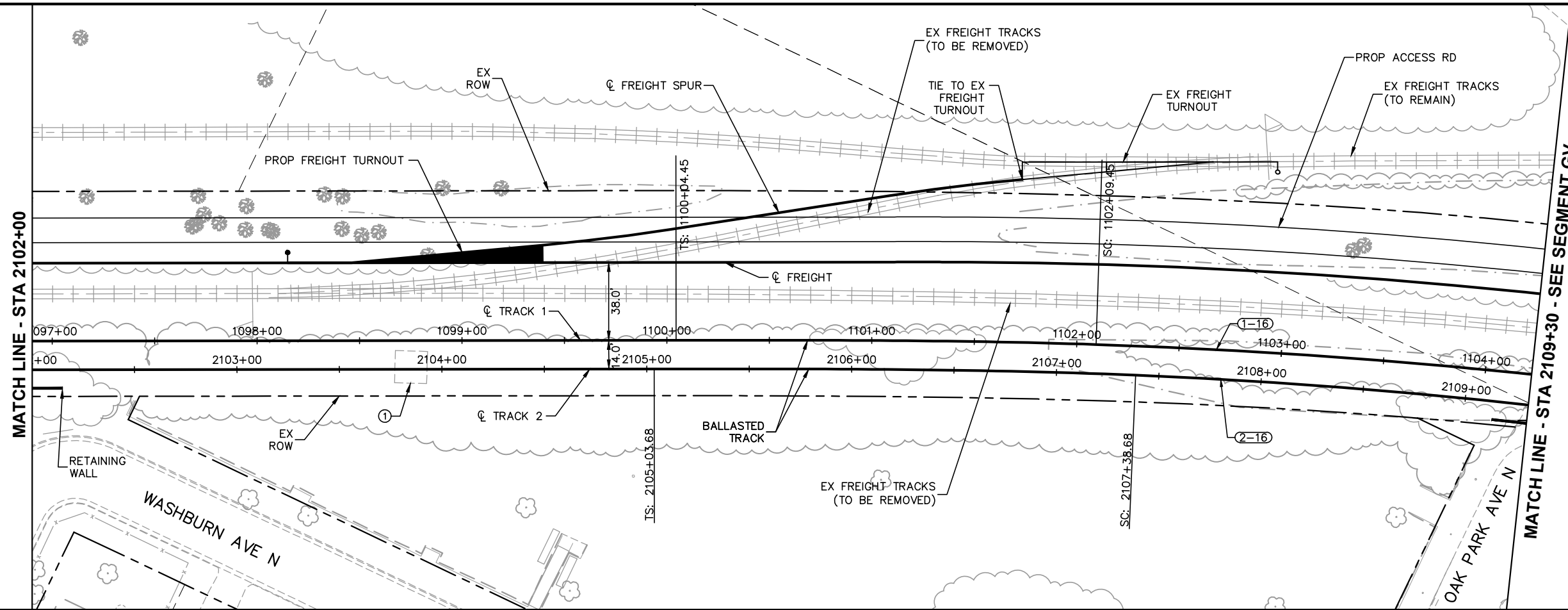



**SEGMENT M
RAIL CORRIDOR
PLAN AND PROFILE
STA 2095+50 TO STA 2102+00**

DISCIPLINE: **TRACK** SHEET NAME: **M-TRK-PPFL-015**

SHEET
68
OF
107

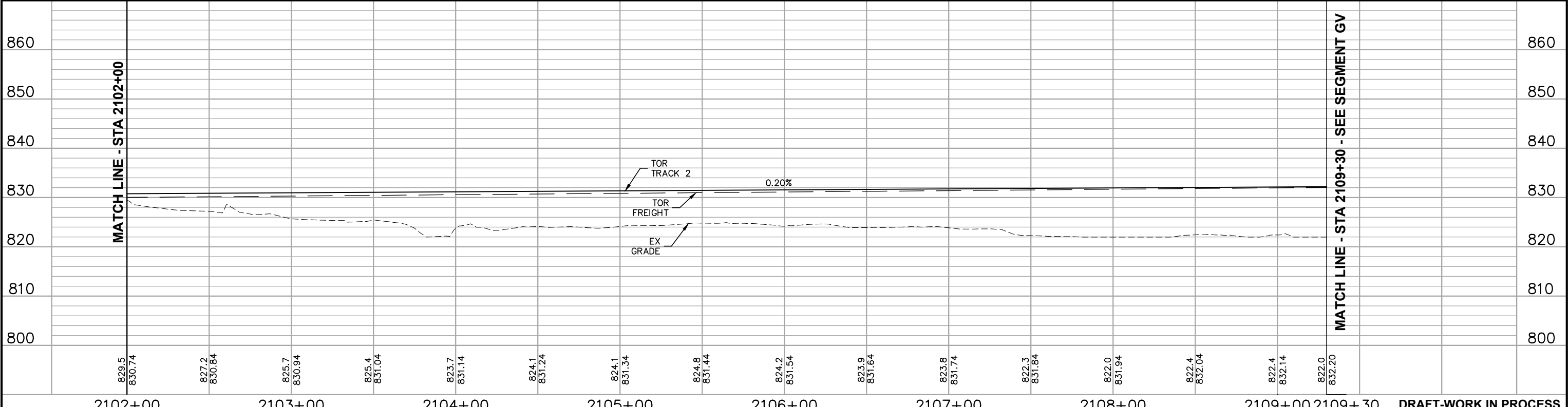
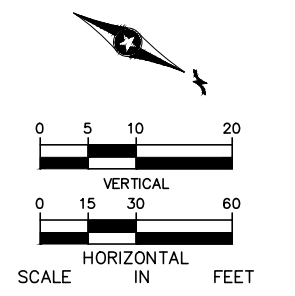
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① NOTES:
XCEL TRANSMISSION TOWERS TO BE SHIFTED TO WEST SIDE OF BNSF ROW. SEE TRACK TYPICAL SECTIONS.

CURVE NO 2-16	
R =	2780.00'
Lc =	941.65'
Ls =	235.00'
Ea =	3.50"
Eu =	2.52"
Vd =	65 MPH

CURVE NO 1-16	
R =	3000.00'
Lc =	1064.76'
Ls =	205.00'
Ea =	3.00"
Eu =	2.58"
Vd =	65 MPH



2102+00 2103+00 2104+00 2105+00 2106+00 2107+00 2108+00 2109+00 2109+30 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

Kimley»Horn
WSP | PARSONS BRINCKERHOFF
 MUNICIPAL CONSENT

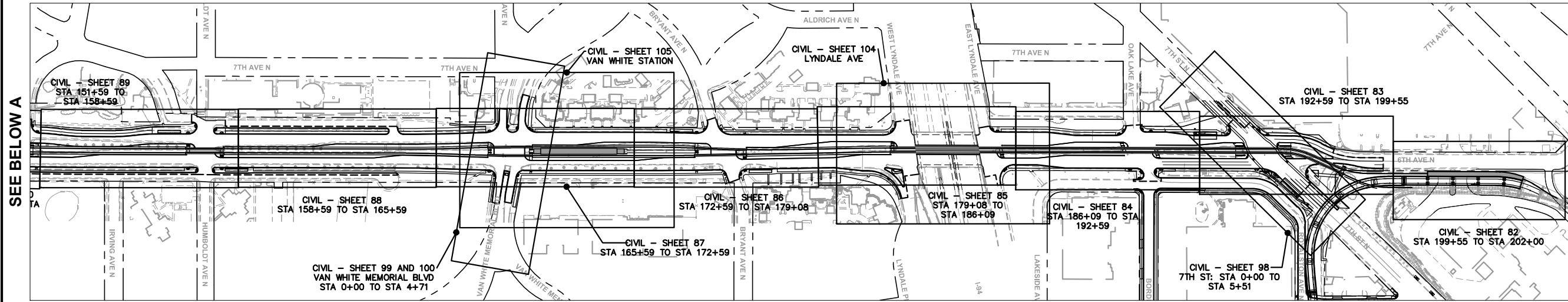


**SEGMENT M
 RAIL CORRIDOR
 PLAN AND PROFILE
 STA 2102+00 TO STA 2109+30**

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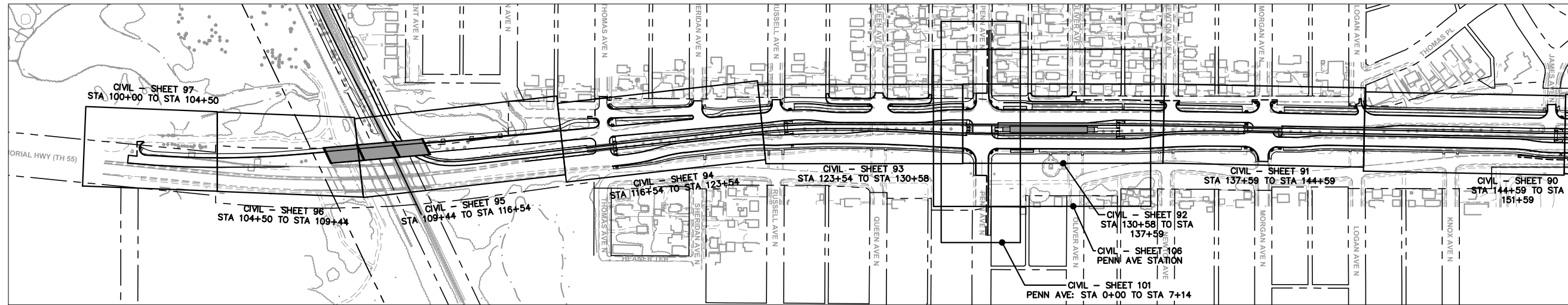
SHEET
 69
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 107

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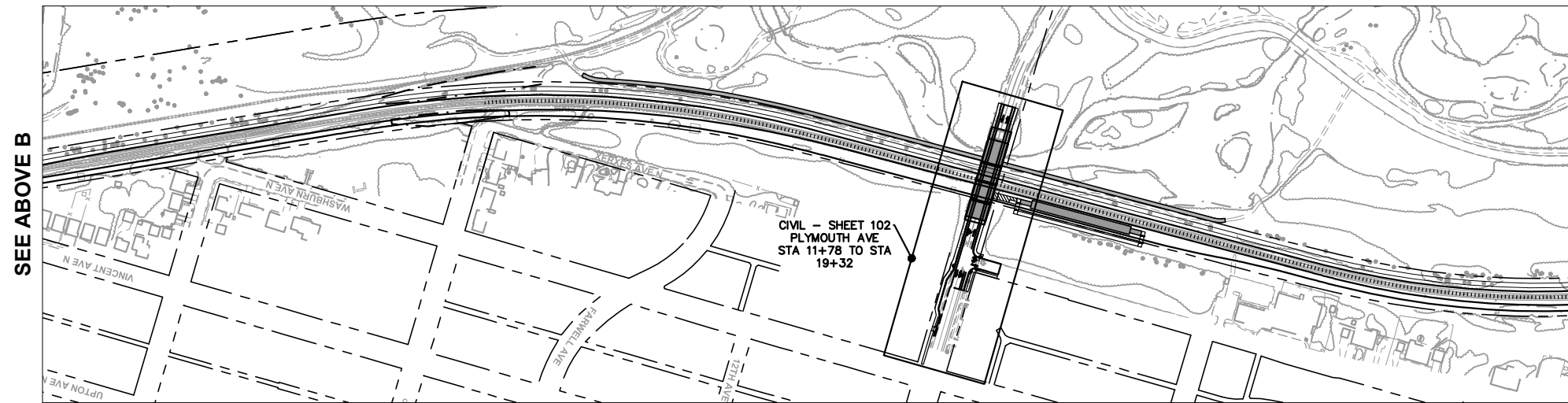


SEE BELOW A

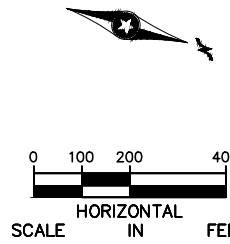
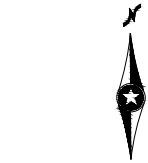
SEE BELOW B



SEE ABOVE A



SEE ABOVE B



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



DISCIPLINE: CIVIL

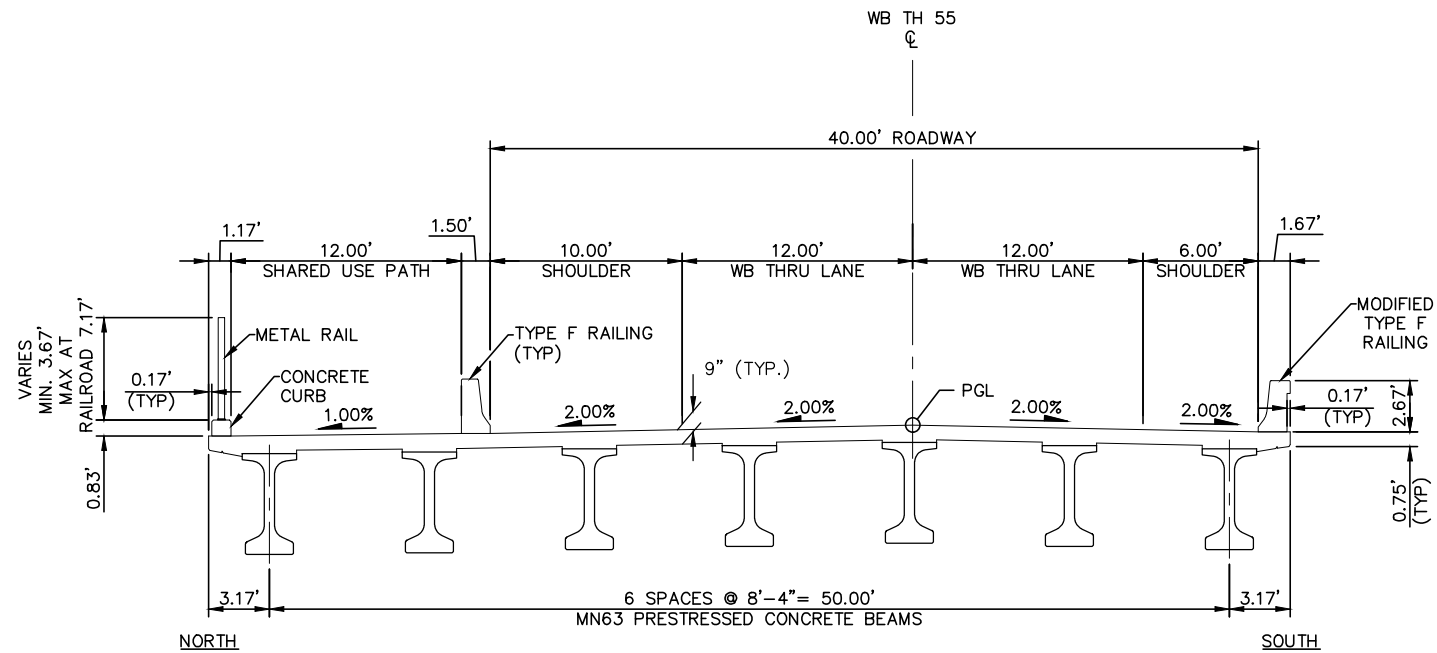
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**SEGMENT M
CIVIL
SHEET LAYOUT INDEX**

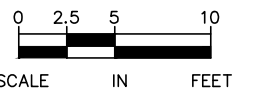
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70
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107

Dec. 07 2015 03:18 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M\C\PLAN SHEETS\CIVIL\M-CIV-TYPS.dwg By: V-MuelleAL

- NOTES:
 ① SLOPES LISTED ARE V:H
 ② EXISTING RIGHT-OF-WAY IS LOCATED OUTSIDE OF THE EXTENTS OF THE TYPICAL SECTION



TYPICAL SECTION - PROPOSED WESTBOUND OLSON MEMORIAL HWY BRIDGE
 STA 108+36 TO STA 111+86



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



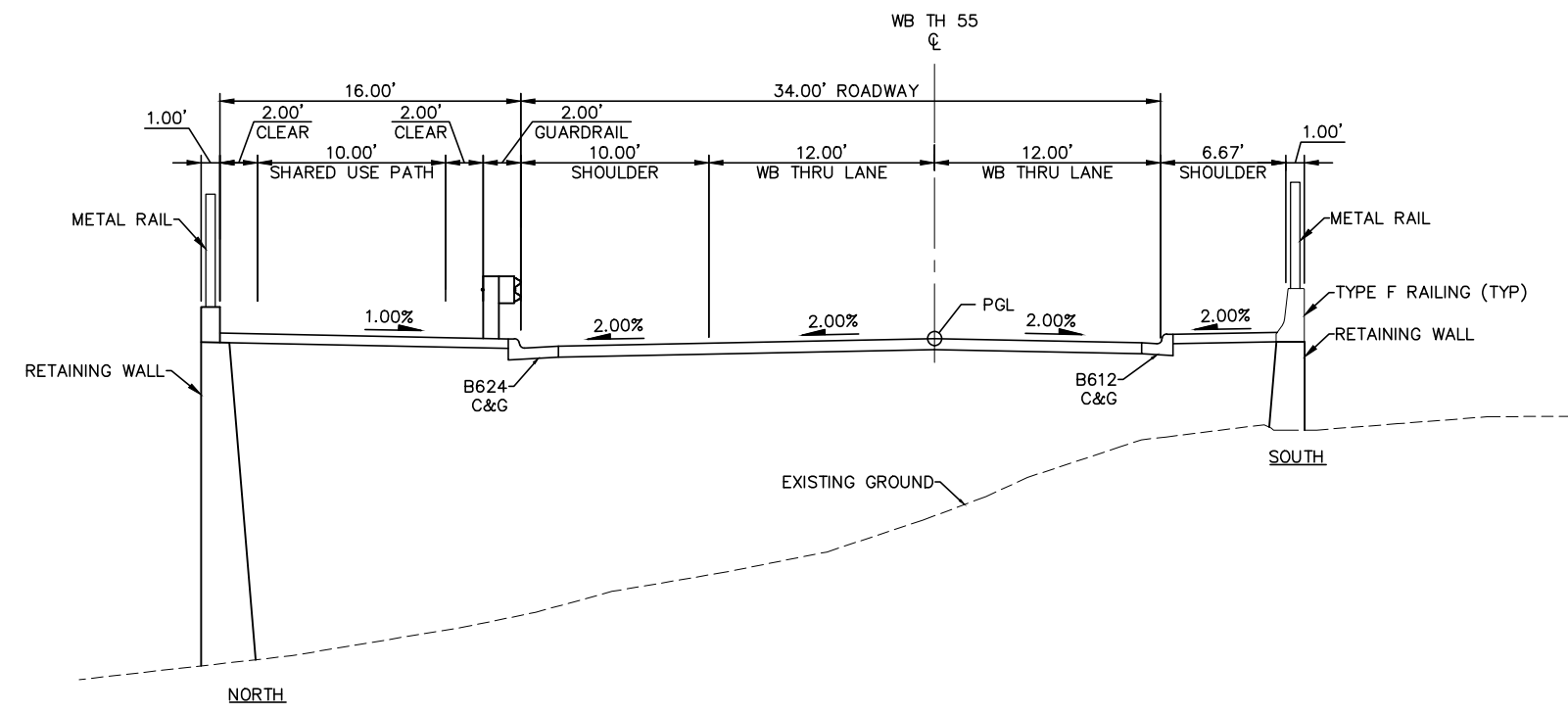
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 OLSON MEMORIAL HWY (TH55)
 TYPICAL SECTIONS**

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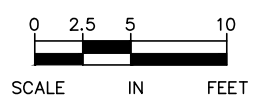
SHEET NAME: M-CIV-TYPS-001

SHEET
 71
 OF
 107

- NOTES:
 ① SLOPES LISTED ARE V:H
 ② EXISTING RIGHT-OF-WAY IS LOCATED OUTSIDE OF THE EXTENTS OF THE TYPICAL SECTION



TYPICAL SECTION - WESTBOUND OLSON MEMORIAL HWY
 STA 106+306 TO STA 108+36



DRAFT-WORK IN PROCESS

Dec. 07 2015 03:18 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-TYPS.dwg By: V-MuelleAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



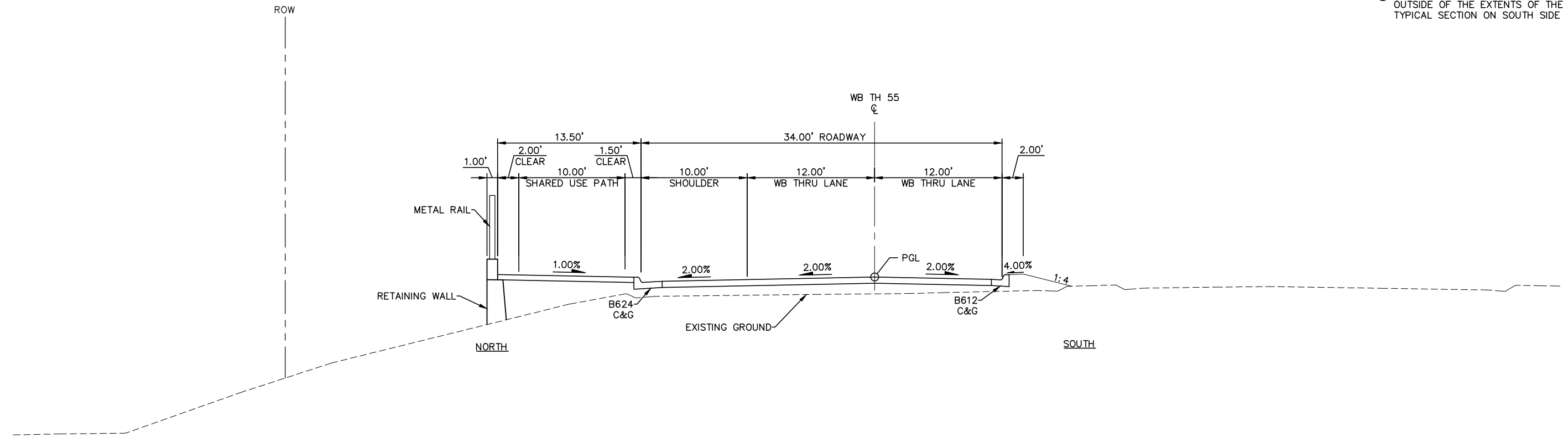
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 OLSON MEMORIAL HWY (TH55)
 TYPICAL SECTIONS**

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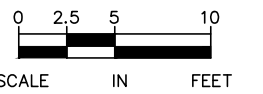
SHEET NAME: M-CIV-TYPS-002

SHEET
 72
 OF
 107

- NOTES:
 ① SLOPES LISTED ARE V:H
 ② EXISTING RIGHT-OF-WAY IS LOCATED OUTSIDE OF THE EXTENTS OF THE TYPICAL SECTION ON SOUTH SIDE



TYPICAL SECTION - WESTBOUND OLSON MEMORIAL HWY
 STA 101+38 TO STA 106+36



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



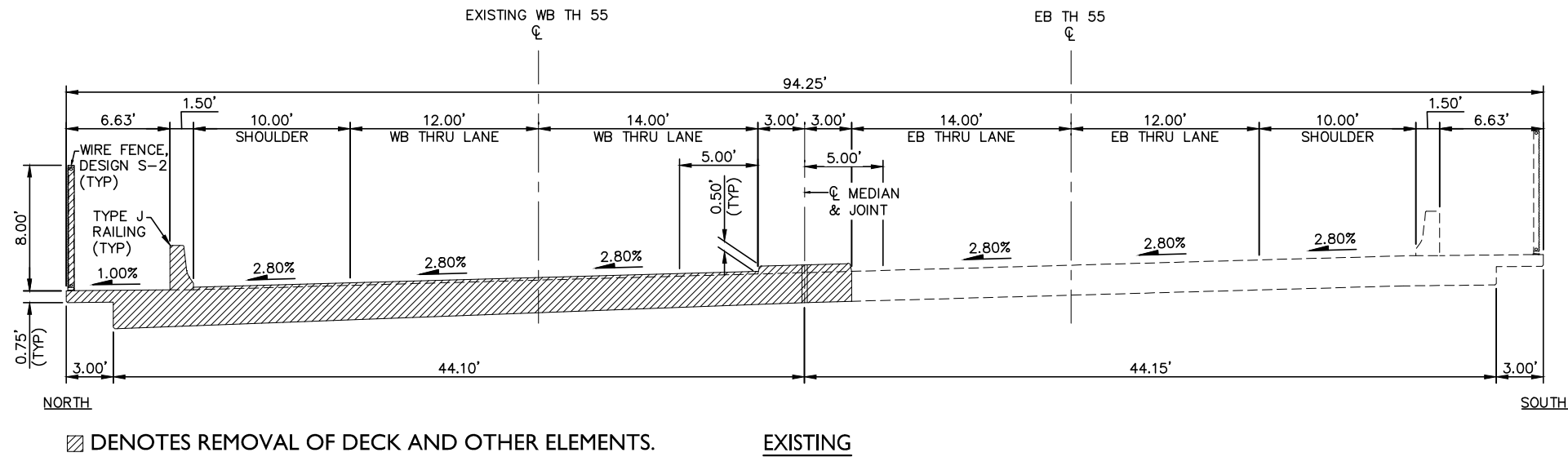
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 TYPICAL SECTIONS**

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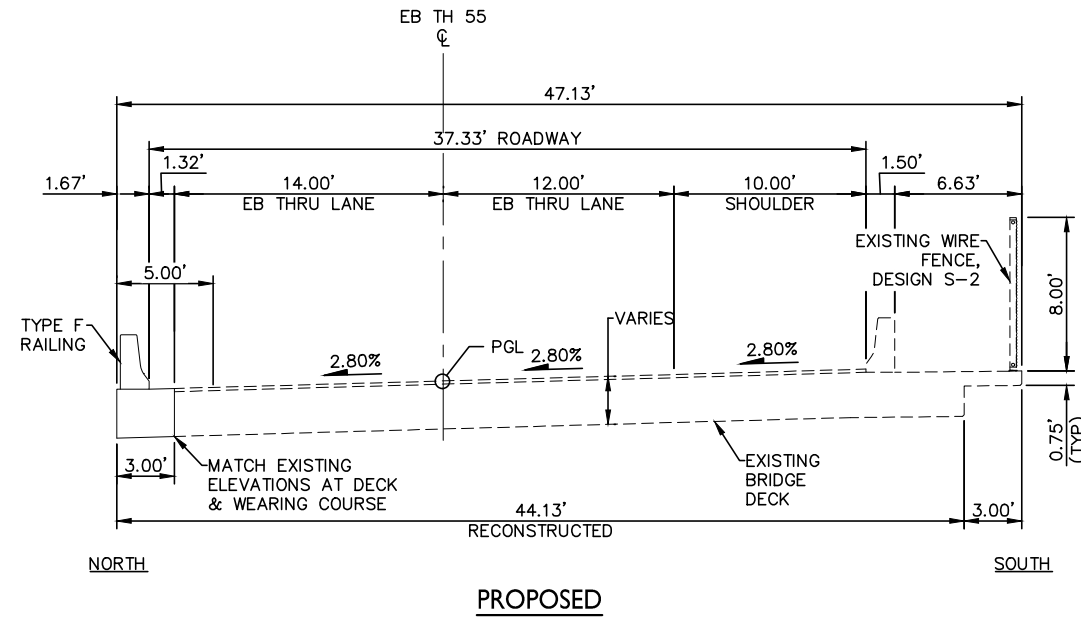
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SHEET
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 OF
 107

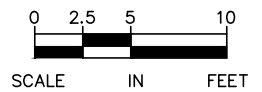
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- NOTES:
- ① SLOPES LISTED ARE V:H
 - ② EXISTING RIGHT-OF-WAY IS LOCATED OUTSIDE OF THE EXTENTS OF THE TYPICAL SECTION



TYPICAL SECTION - EXISTING EASTBOUND OLSON MEMORIAL HWY BRIDGE
STA 208+87 TO STA 211+87



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



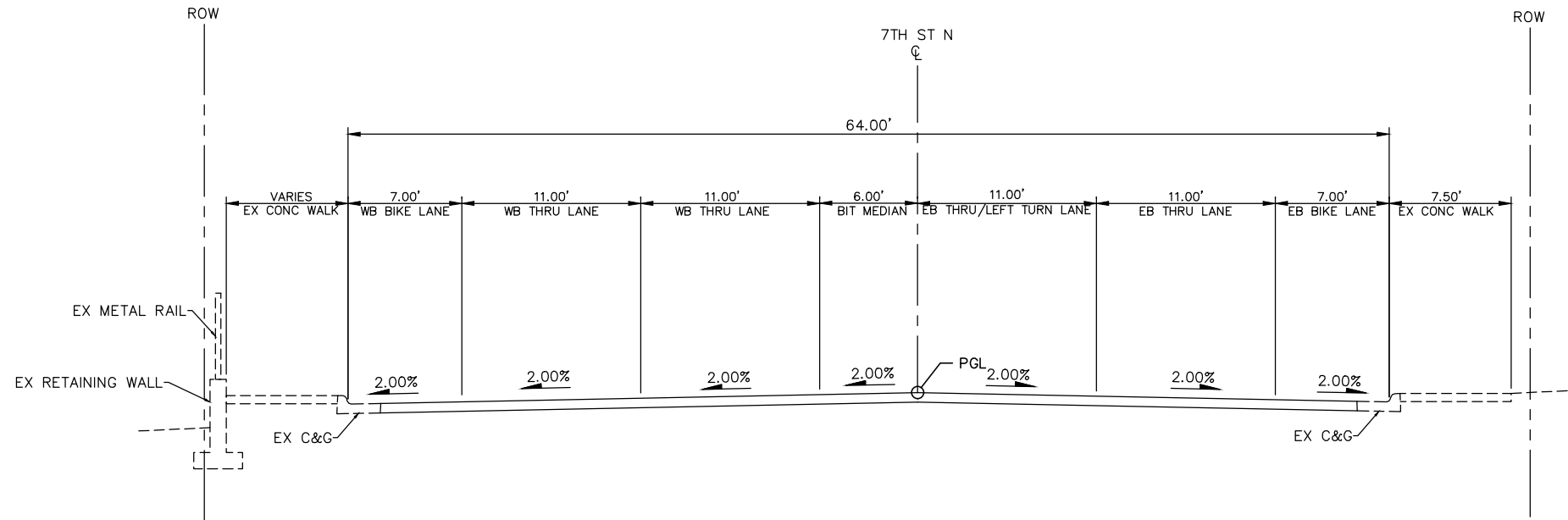
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OLSON MEMORIAL HWY (TH55)
TYPICAL SECTIONS**

DISCIPLINE: CIVIL

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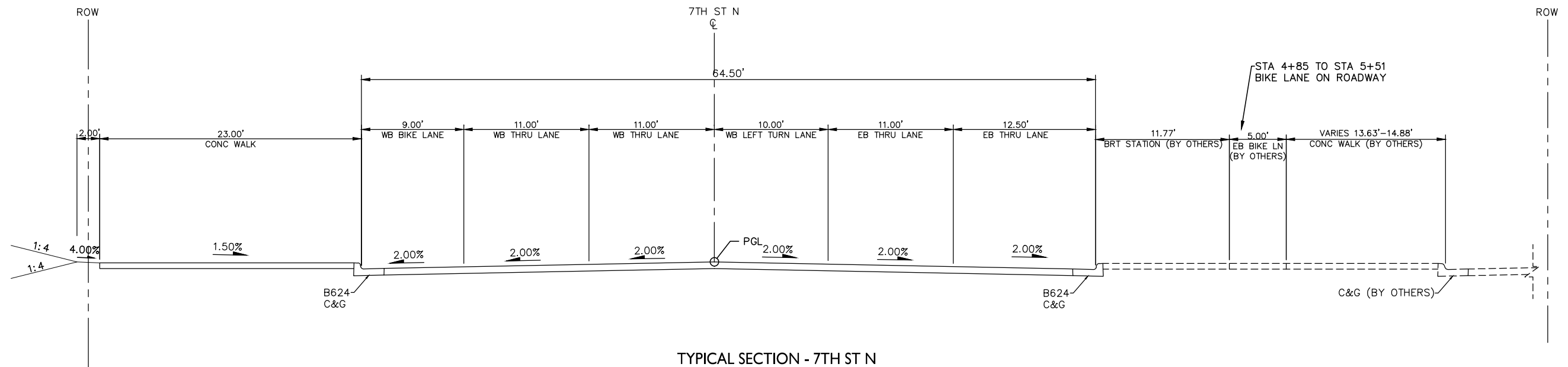
SHEET
74
OF
107

Dec. 07 2015 03:18 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M\C\PLAN SHEETS\CIVIL\M-CIV-TYPS.dwg By: V-Muelleal

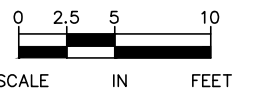


TYPICAL SECTION - 7TH ST N
STA 0+00 TO STA 0+95

NOTES:
① SLOPES LISTED ARE V:H



TYPICAL SECTION - 7TH ST N
STA 4+35 TO STA 5+51



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



**SEGMENT M
7TH ST N
TYPICAL SECTIONS**

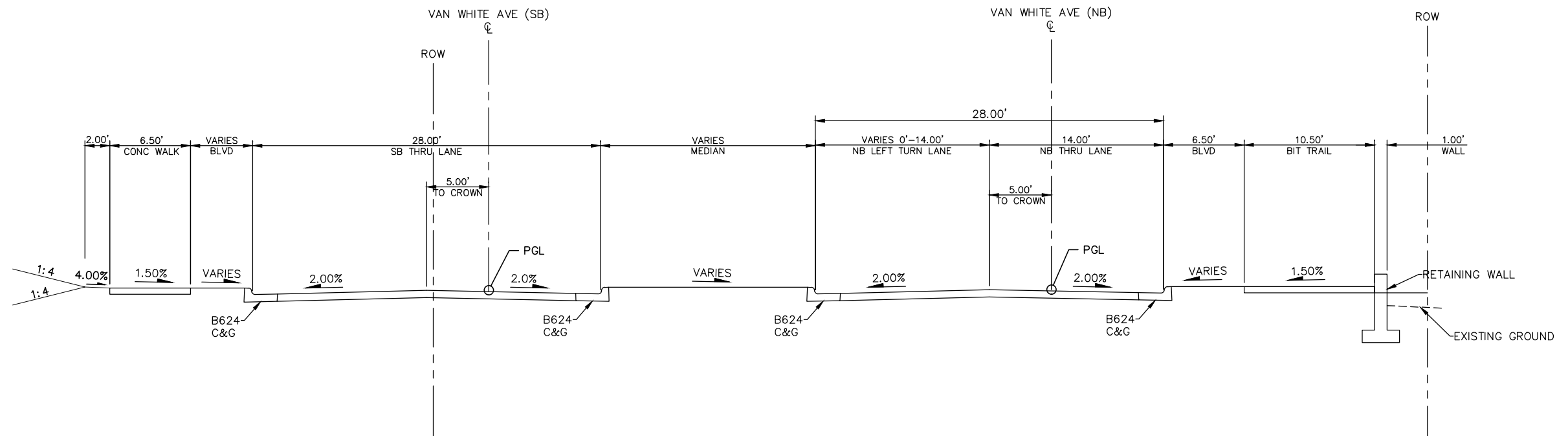
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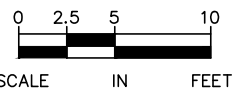
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75
OF
107

Dec. 07 2015 03:18 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-TYPS.dwg By: V-MuelleAL

NOTES:
 ① SLOPES LISTED ARE V:H



TYPICAL SECTION - NORTHBOUND VAN WHITE BLVD
 STA 20+00 TO STA 24+71



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



**SEGMENT M
 VAN WHITE BLVD
 TYPICAL SECTIONS**

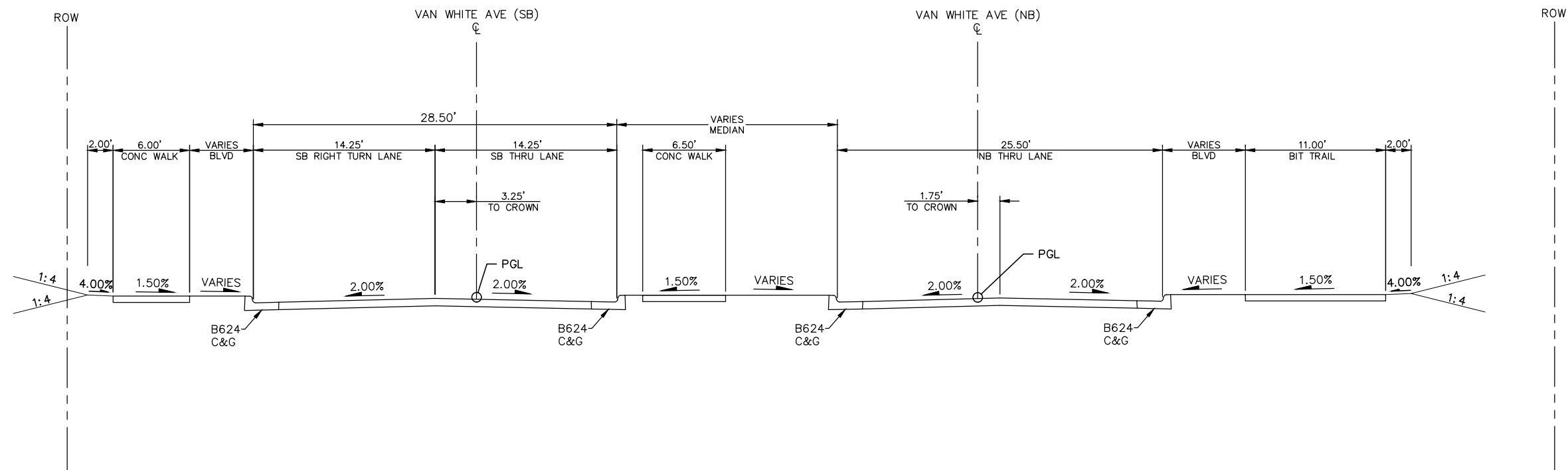
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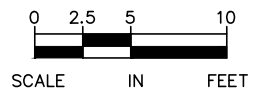
SHEET
 76
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 107

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NOTES:
 ① SLOPES LISTED ARE V:H



TYPICAL SECTION - SOUTHBOUND VAN WHITE BLVD
 STA 10+00 TO STA 14+16



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



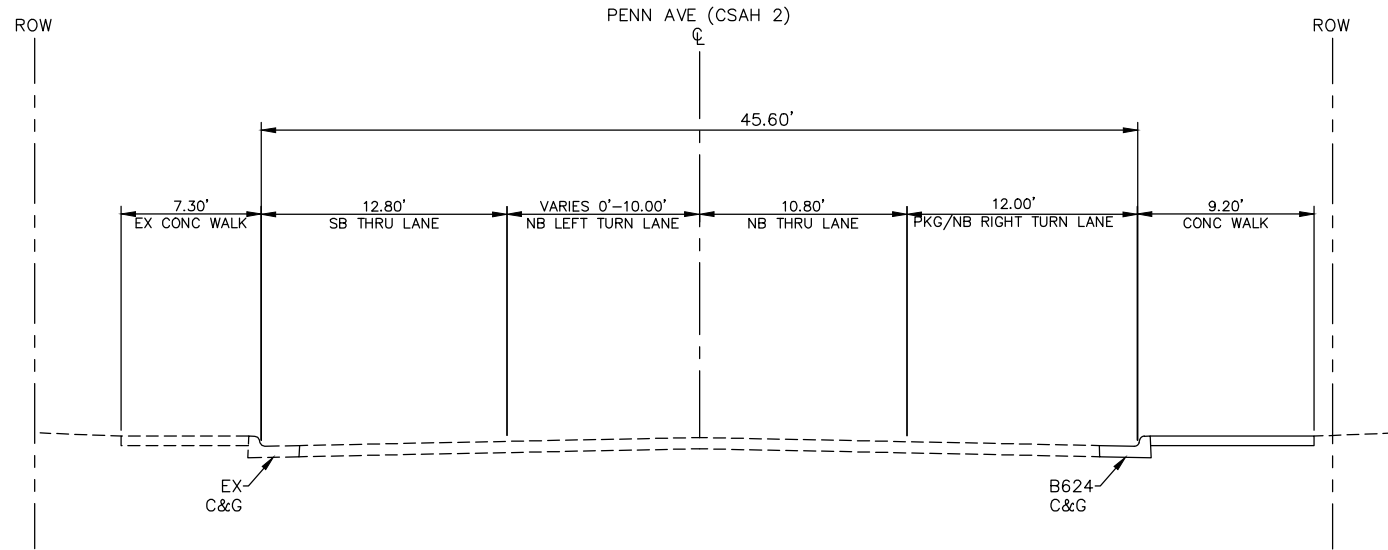
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 VAN WHITE BLVD
 TYPICAL SECTIONS**

DISCIPLINE: CIVIL

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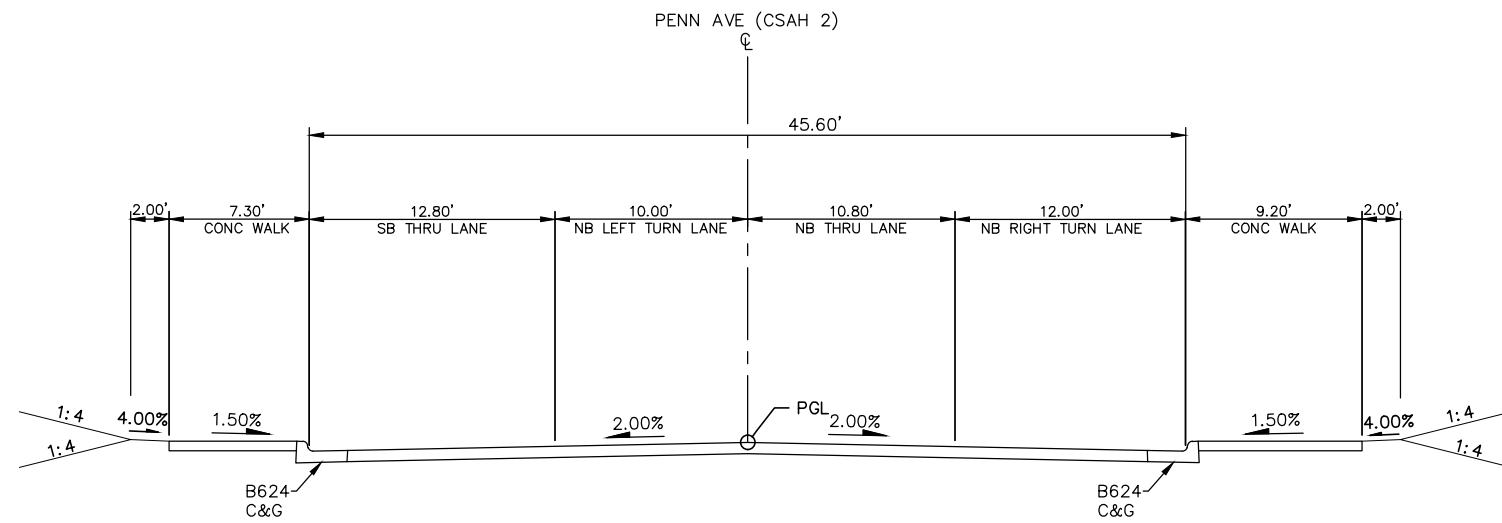
SHEET
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 OF
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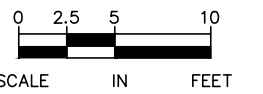


TYPICAL SECTION - PENN AVE (CSAH 2)
STA 0+00 TO 2+09

- NOTES:
 ① SLOPES LISTED ARE V:H
 ② STA 2+09 TO STA 2+99
 EXISTING RIGHT-OF-WAY IS LOCATED
 OUTSIDE OF THE EXTENTS OF THE
 TYPICAL SECTION



TYPICAL SECTION - PENN AVE (CSAH 2)
STA 2+09 TO STA 2+99



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

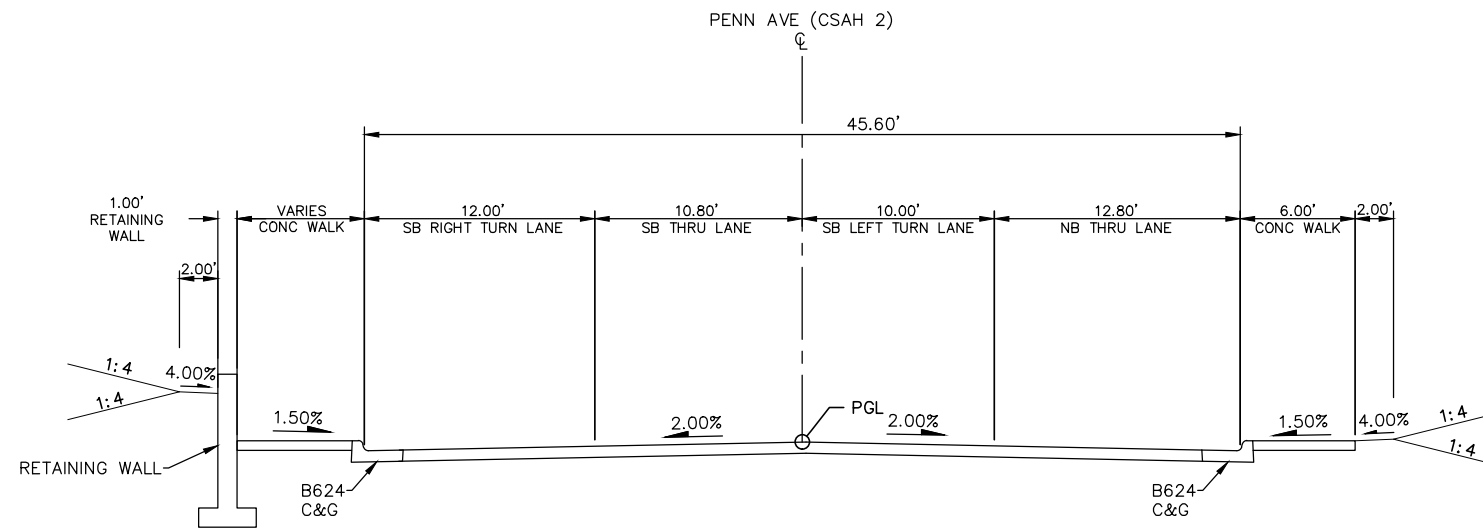


SEGMENT M
PENN AVE (CSAH 2)
TYPICAL SECTIONS

DISCIPLINE: CIVIL SHEET NAME: M-CIV-TYPS-008

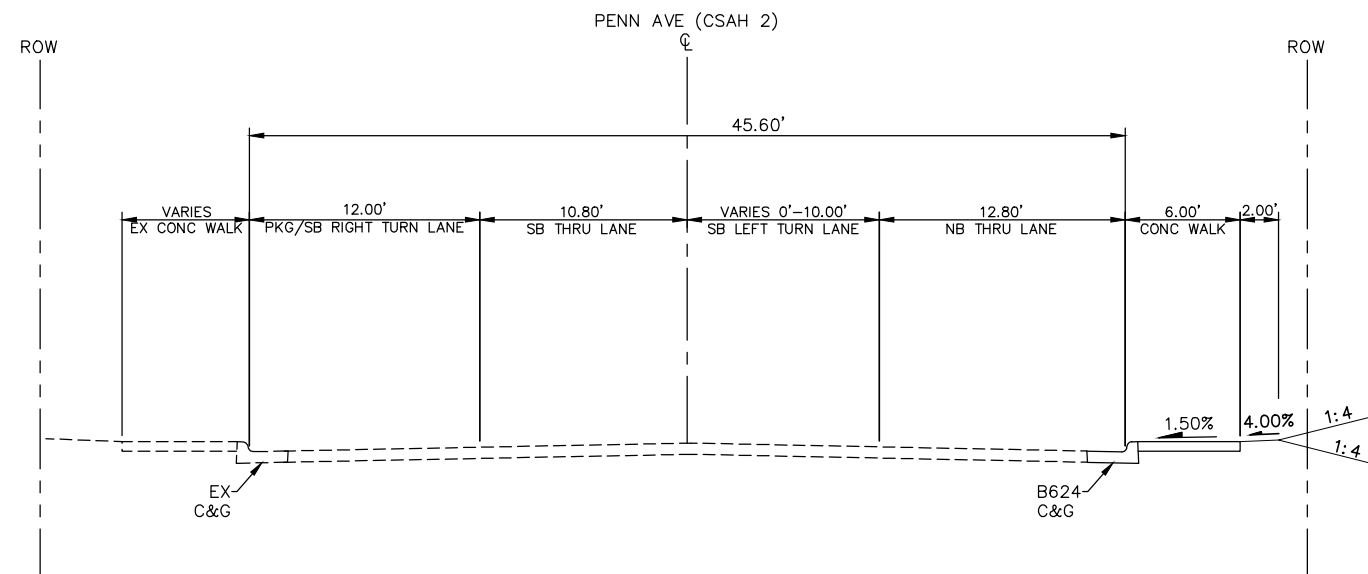
SHEET
78
OF
107

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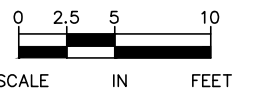


TYPICAL SECTION - PENN AVE (CSAH 2)
STA 4+58 TO STA 4+95

- NOTES:
 ① SLOPES LISTED ARE V:H
 ② STA 4+58 TO STA 4+95 EXISTING RIGHT-OF-WAY IS LOCATED OUTSIDE OF THE EXTENTS OF THE TYPICAL SECTION



TYPICAL SECTION - PENN AVE (CSAH 2)
STA STA 4+95 TO STA 7+14



DRAFT-WORK IN PROCESS

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**SEGMENT M
PENN AVE (CSAH 2)
TYPICAL SECTIONS**

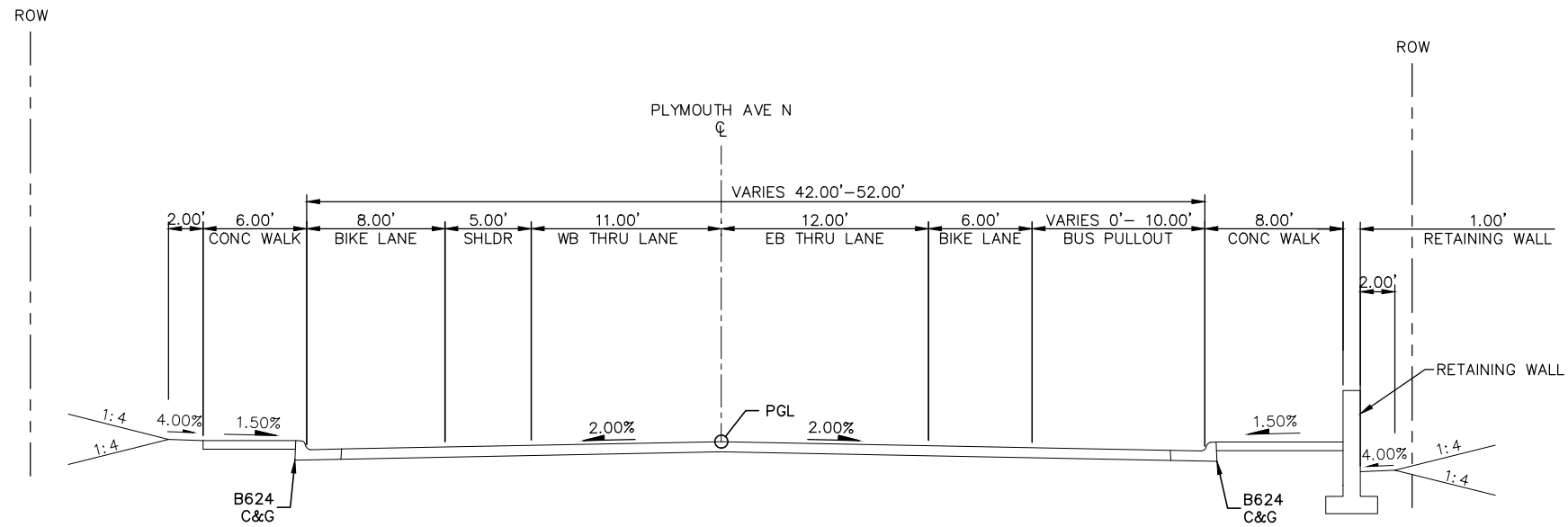
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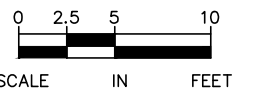
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79
OF
107

Dec. 03 2015 07:56 am H:\BPO\550_Design_Consultant\CAD\005-SEGMENT-GV\M\C\PLAN SHEETS\CIVIL\GV-CV-TYPS.dwg By: V-Muellel

NOTE:
SLOPES LISTED ARE V:H



TYPICAL SECTION - PLYMOUTH AVE N
STA 16+61 TO STA 17+93



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



**SEGMENT M
PLYMOUTH AVE N
TYPICAL SECTIONS**

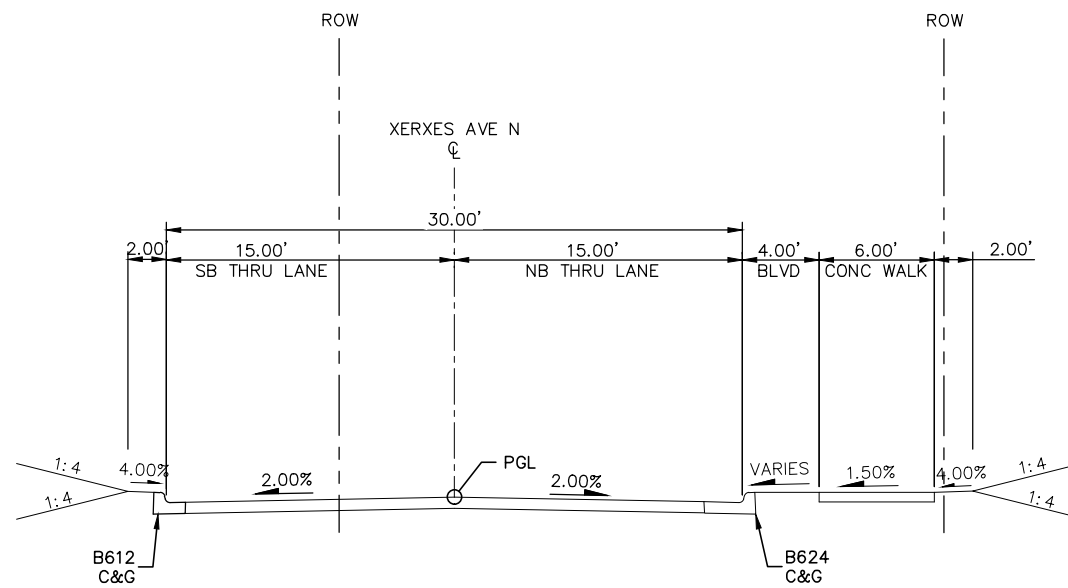
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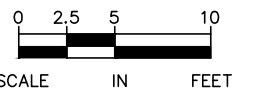
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107

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NOTE:
SLOPES LISTED ARE V:H



TYPICAL SECTION - XERXES AVE N
STA 20+23 TO STA 20+99



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



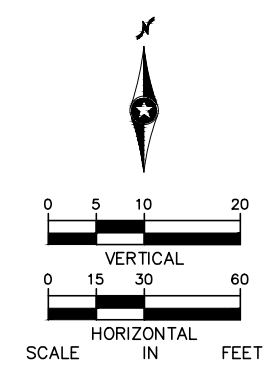
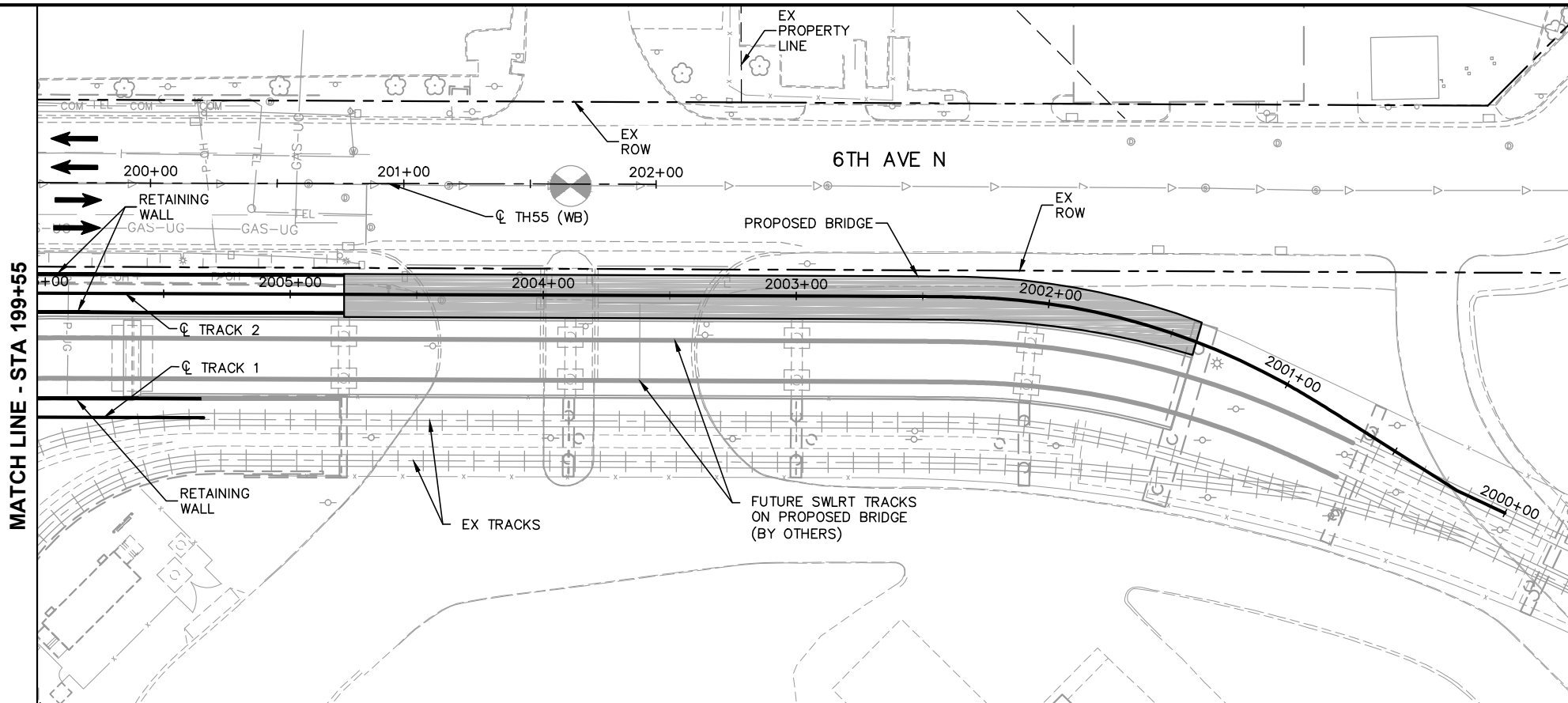
**SEGMENT M
XERXES AVE N
TYPICAL SECTIONS**

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-TYPS-011

SHEET
81
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107

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DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

MATCH LINE - STA 199+55

Kimley»Horn

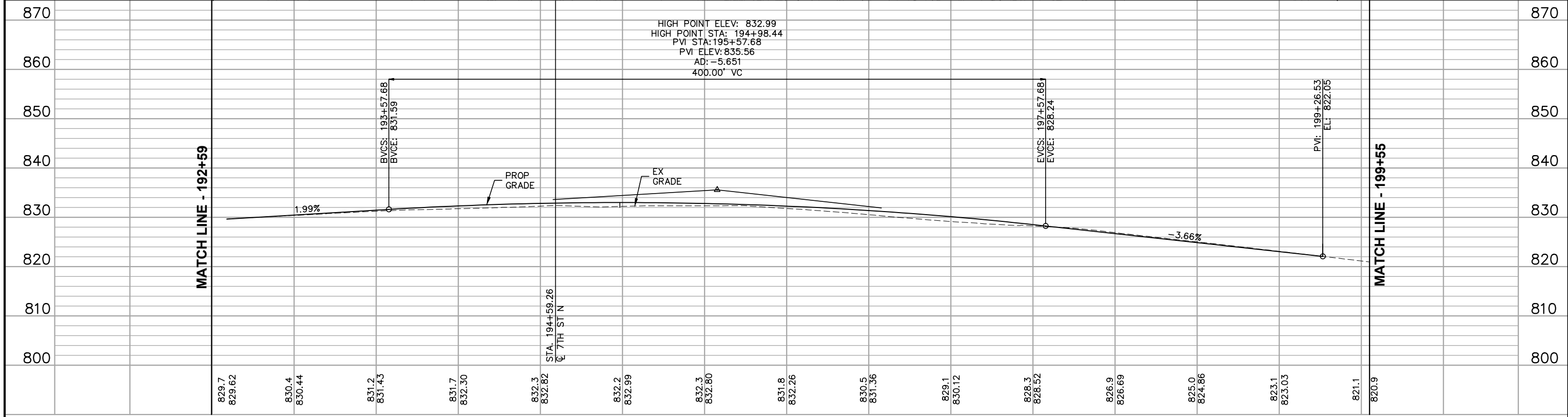
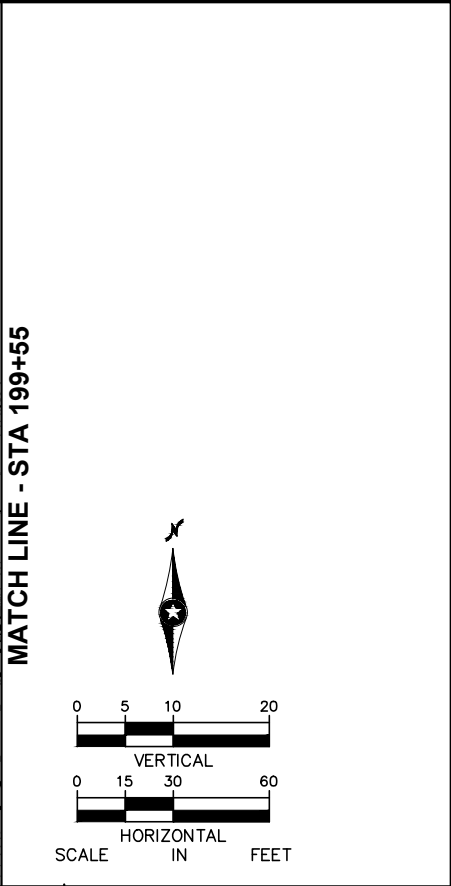
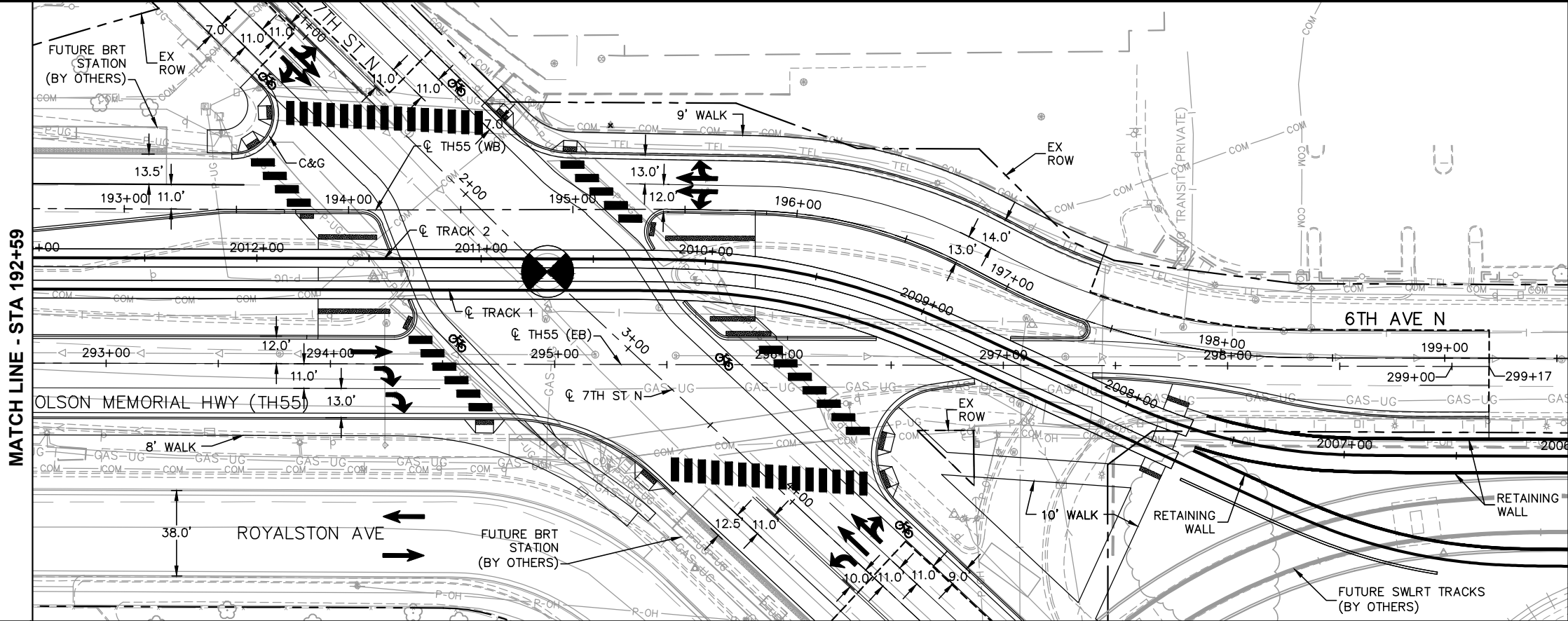
MUNICIPAL CONSENT




SEGMENT M
6TH AVE N
PLAN AND PROFILE
STA 199+55 TO STA 202+00

DISCIPLINE: **CIVIL** SHEET NAME: **M-CIV-PPFL-001**

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107



829.7	829.62	830.4	830.44	831.2	831.43	831.7	832.30	832.3	832.82	832.2	832.99	832.3	832.80	831.8	832.26	830.5	831.36	829.1	830.12	828.3	828.52	826.9	826.69	825.0	824.86	823.1	823.03	821.1	820.9
193+00		194+00				195+00				196+00				197+00				198+00				199+00							

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT

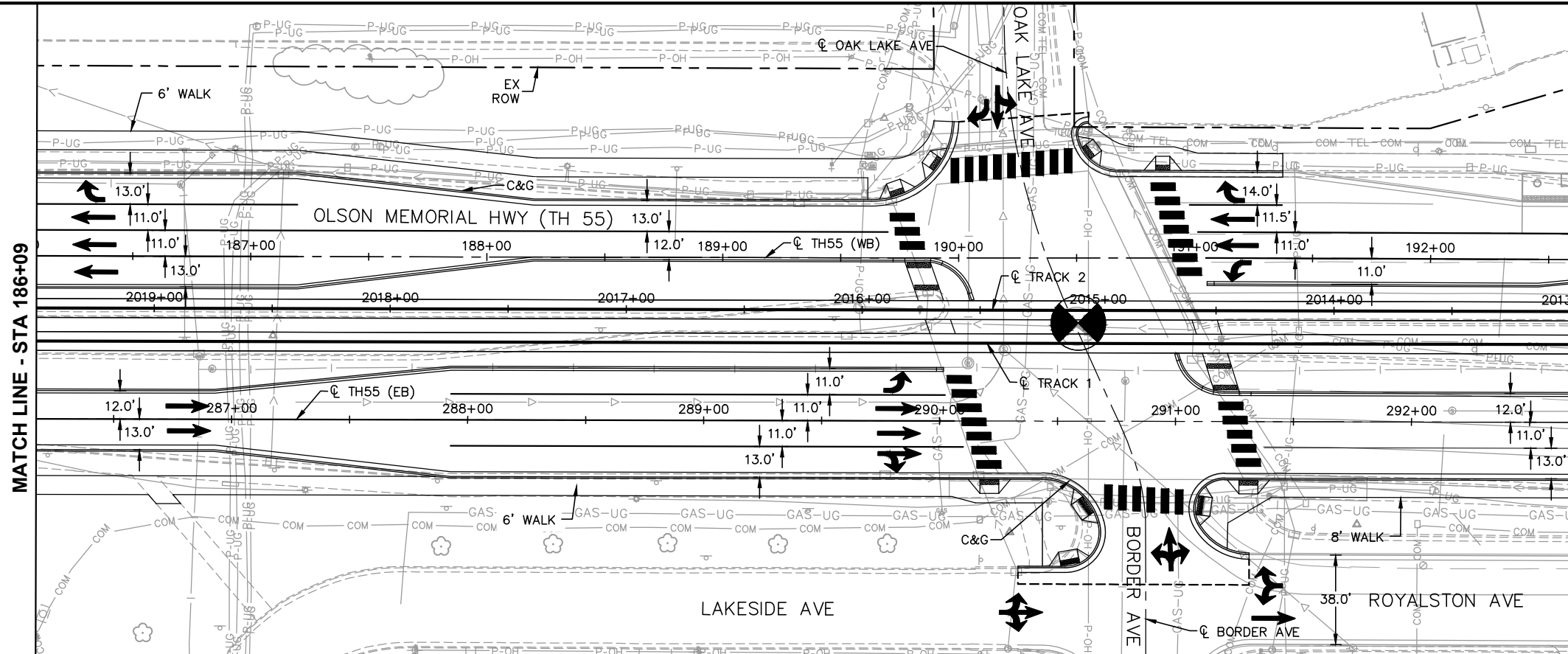
**SEGMENT M
6TH AVE N
PLAN AND PROFILE
STA 192+59 TO STA 199+55**

SHEET **83**
OF
107

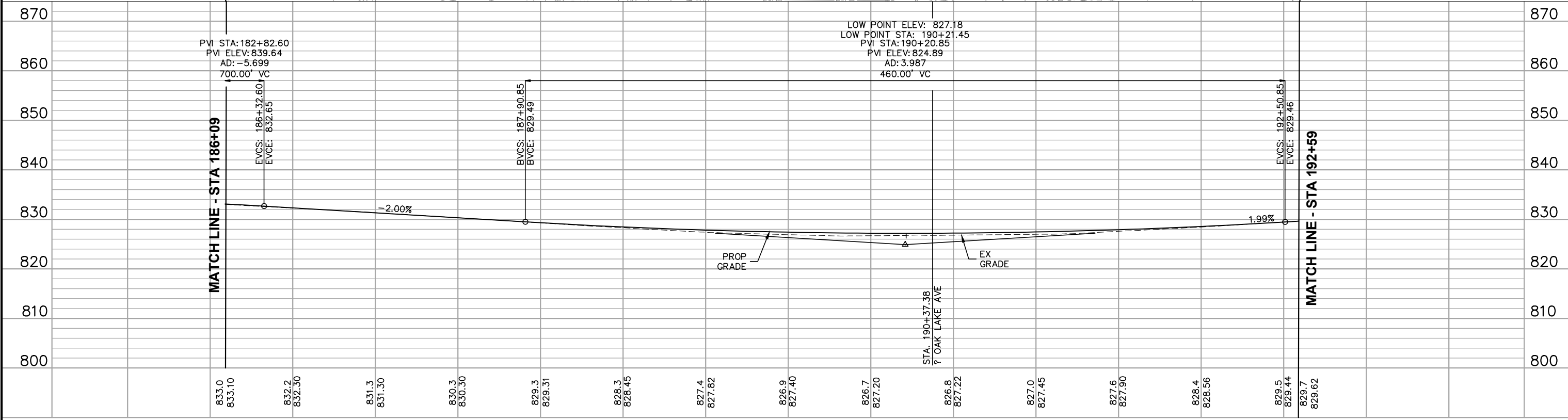
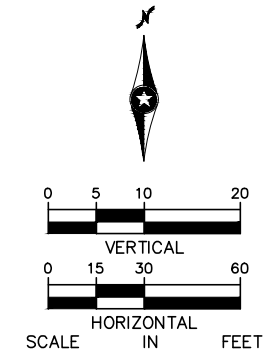
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MATCH LINE - STA 192+59



MATCH LINE - STA 186+09

MATCH LINE - STA 192+59

833.0	833.10	832.2	832.30	831.3	831.30	830.3	830.30	829.3	829.31	828.3	828.45	827.4	827.82	826.9	827.40	826.7	827.20	826.8	827.22	827.0	827.45	827.6	827.90	828.4	828.56	829.5	829.44	829.7	829.62												
																187+00					188+00					189+00					190+00					191+00					192+00

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



DISCIPLINE: CIVIL

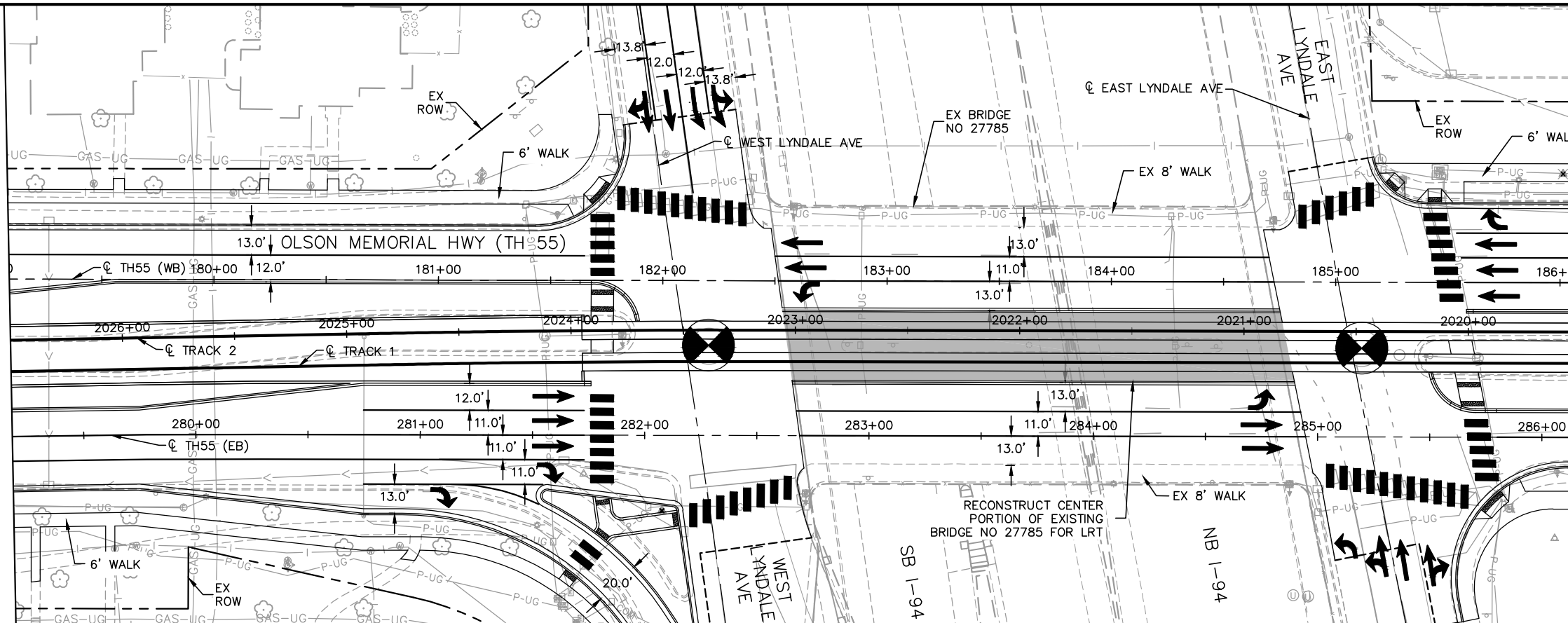
SHEET NAME: M-CIV-PPFL-003

**SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 186+09 TO STA 192+59**

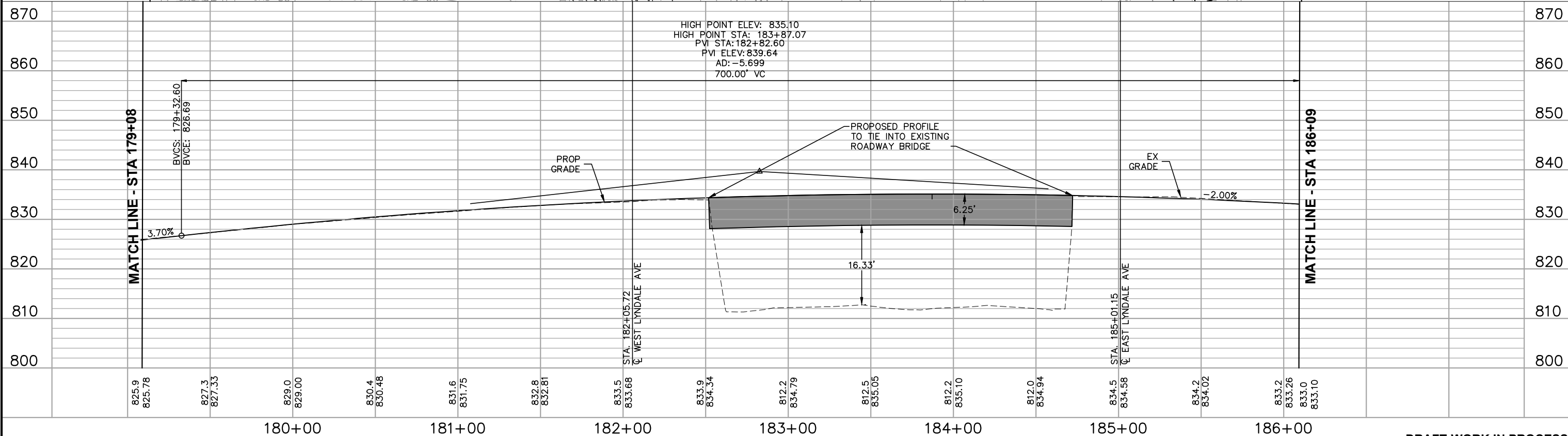
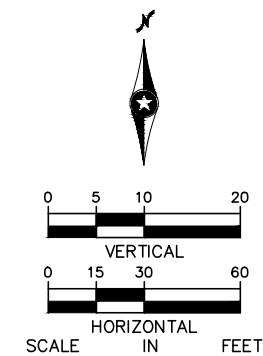
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84
OF
107

Dec. 03 2015 05:07 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-Muellel

MATCH LINE - STA 179+08



MATCH LINE - STA 186+09



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



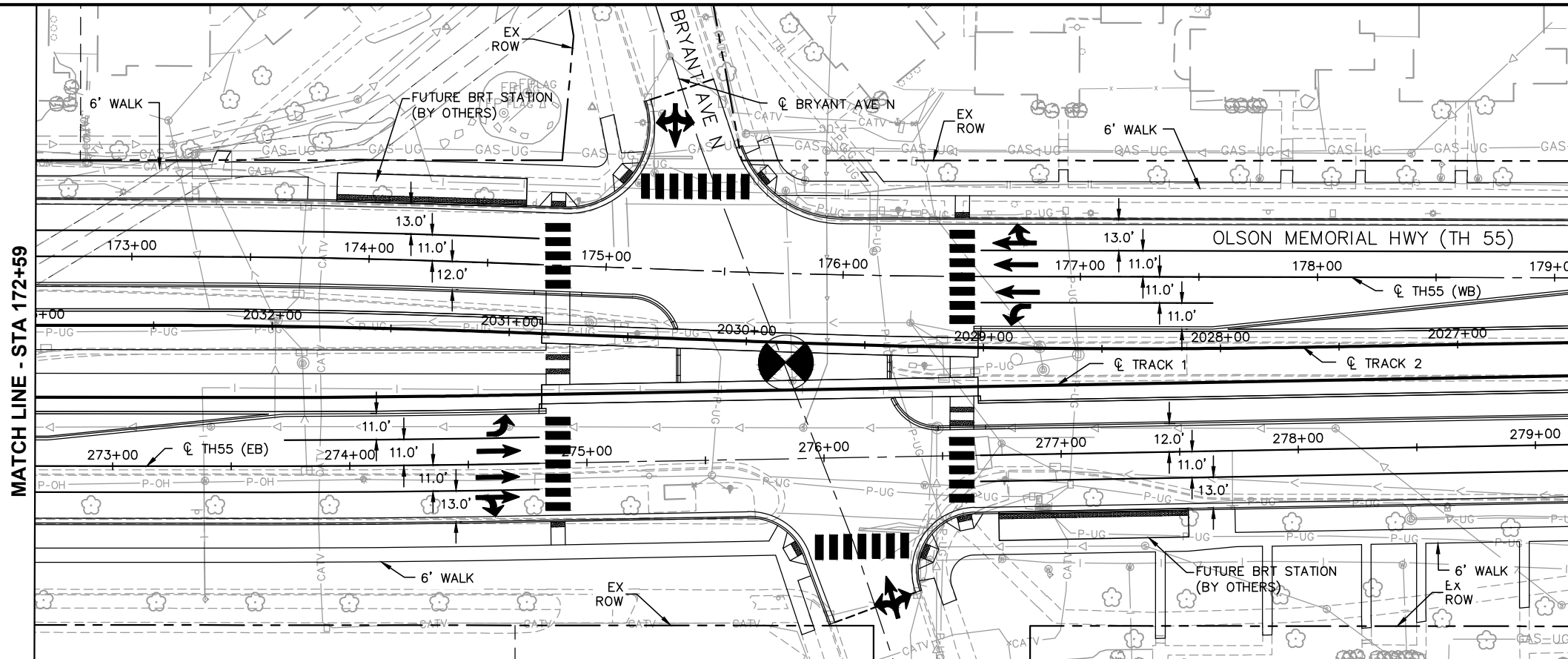
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OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 179+08 TO STA 186+09

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PPFL-004

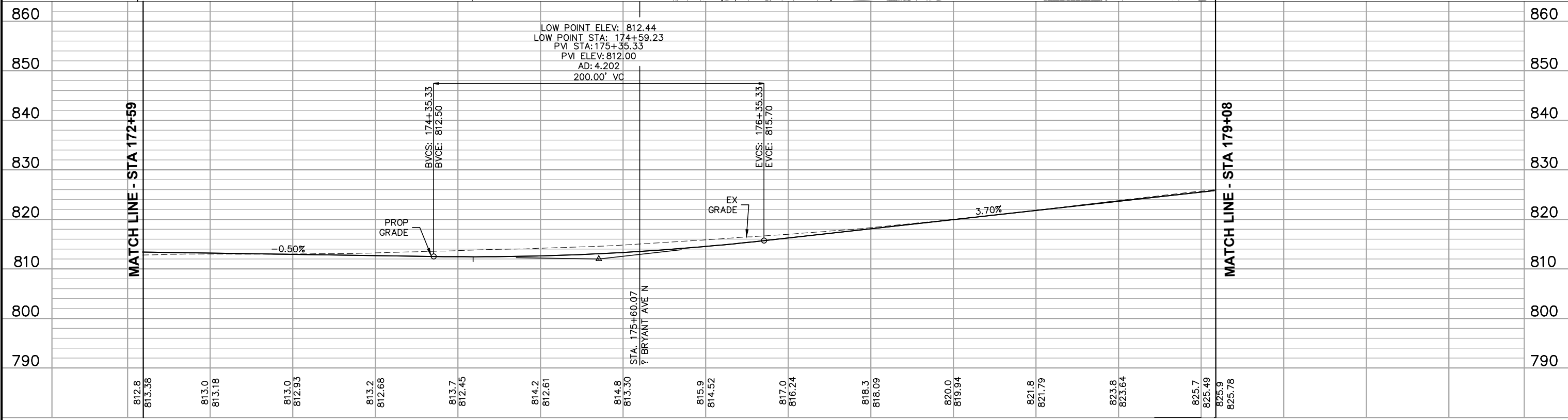
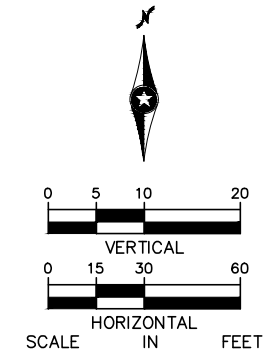
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 107

Dec. 03 2015 08:10 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-Muellele



MATCH LINE - STA 179+08

MATCH LINE - STA 172+59



MATCH LINE - STA 172+59

MATCH LINE - STA 179+08

812.8 813.38	813.0 813.18	813.0 812.93	813.2 812.68	813.7 812.45	814.2 812.61	814.8 813.30	815.9 814.52	817.0 816.24	818.3 818.09	820.0 819.94	821.8 821.79	823.8 823.64	825.7 825.49	825.9 825.78	860
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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT

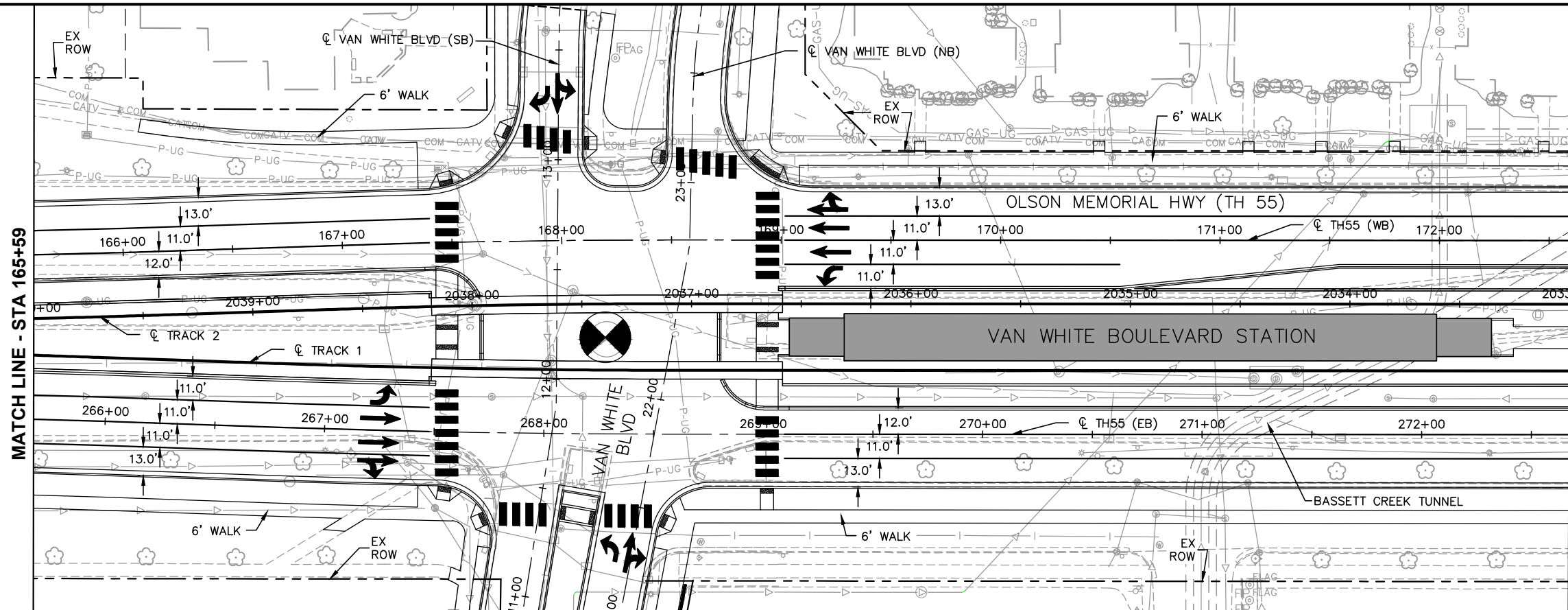


SEGMENT M
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PLAN AND PROFILE
STA 172+59 TO STA 179+08

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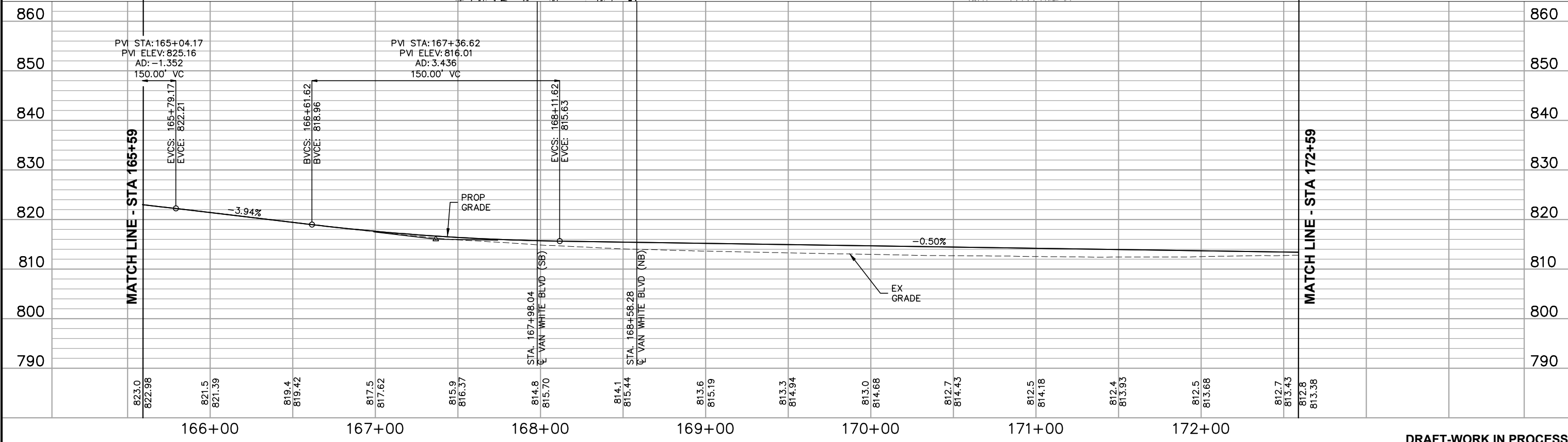
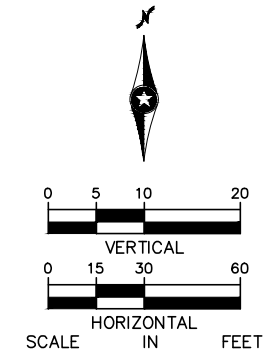
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 107

Dec. 03 2015 08:12 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-MuelleAL



MATCH LINE - STA 172+59

MATCH LINE - STA 165+59



MATCH LINE - STA 172+59

MATCH LINE - STA 165+59

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SEGMENT M

OLSON MEMORIAL HWY (TH55)

PLAN AND PROFILE

STA 165+59 TO STA 172+59

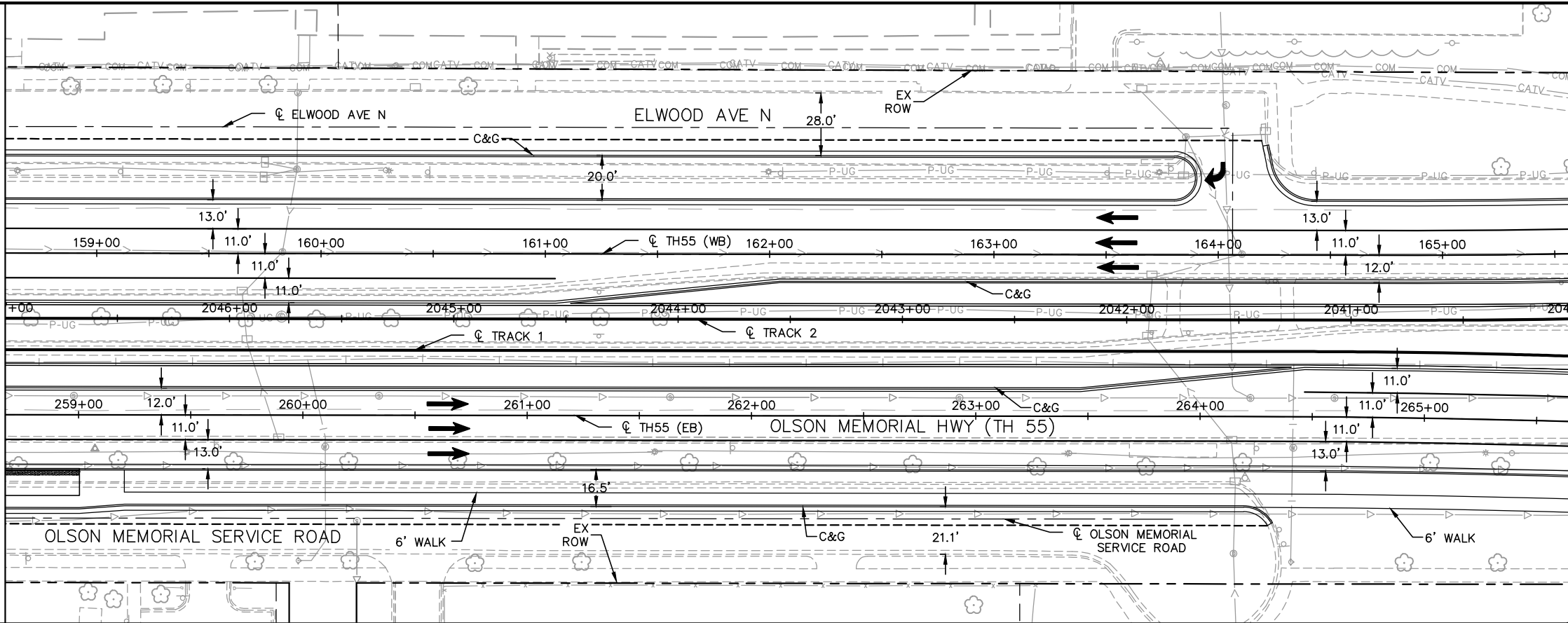
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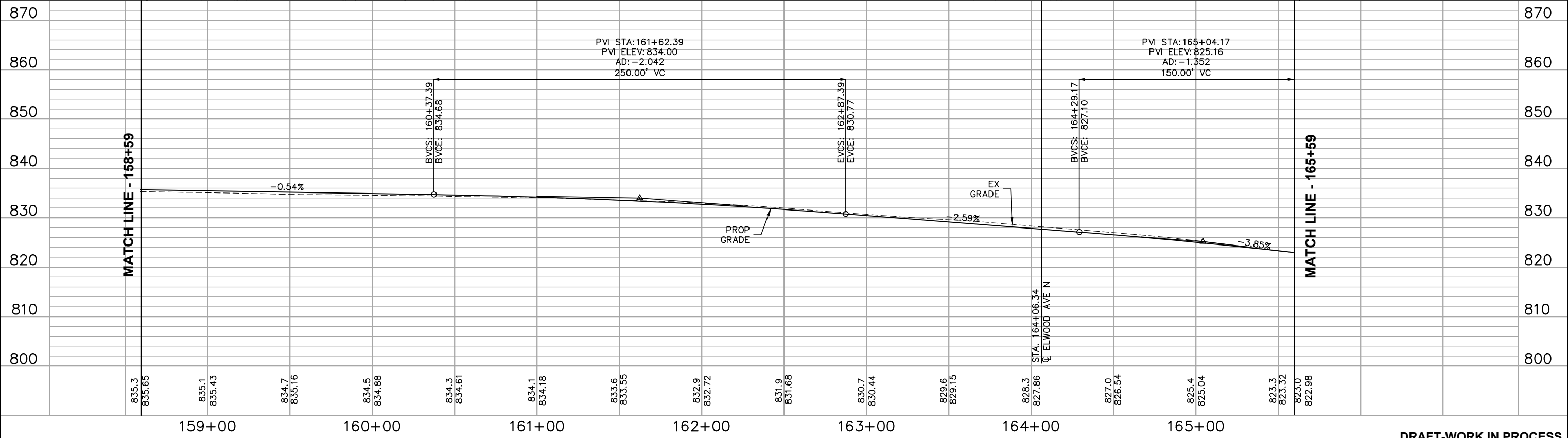
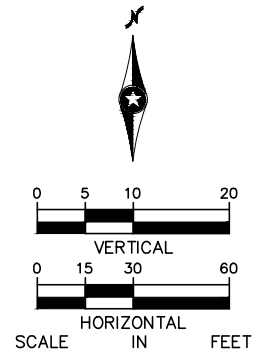
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Dec. 03 2015 08:13 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-Muelleal

MATCH LINE - STA 158+59



MATCH LINE - STA 165+59



MATCH LINE - 158+59

MATCH LINE - 165+59

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SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 158+59 TO STA 165+59

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PPFL-007

SHEET
88
OF
107

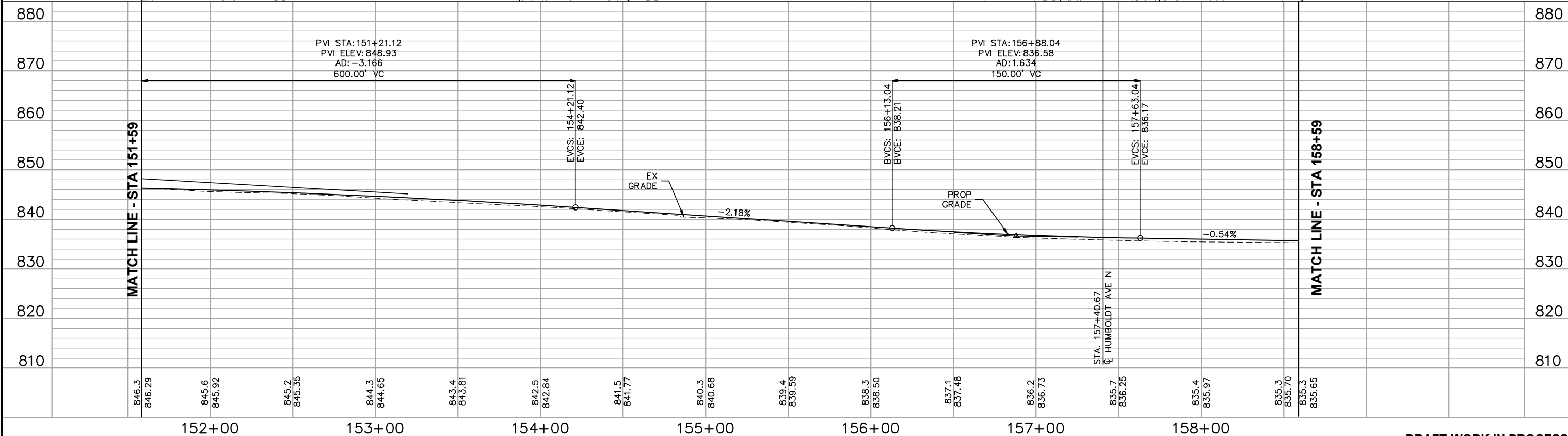
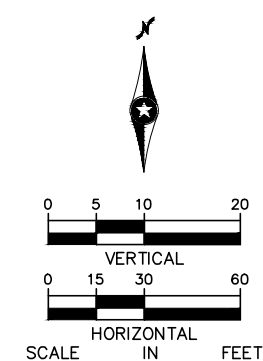
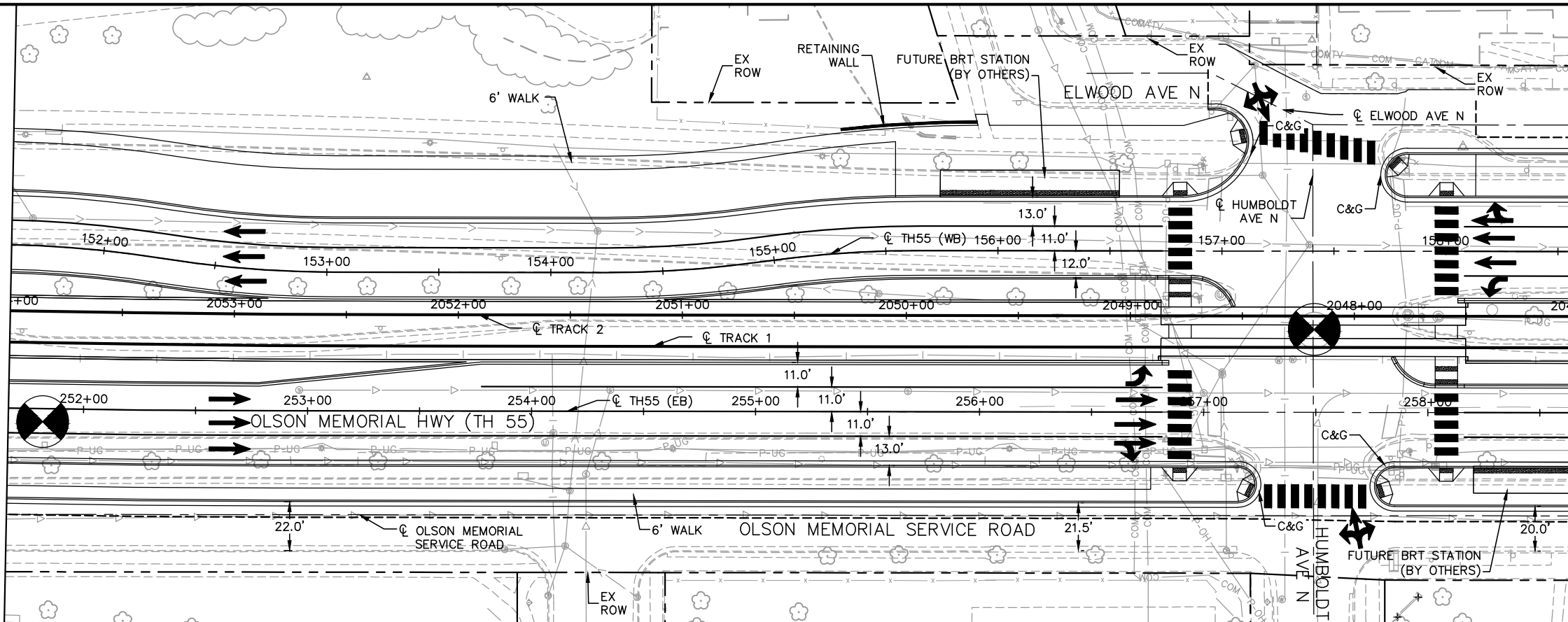
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MATCH LINE - STA 151+59

MATCH LINE - STA 151+59

MATCH LINE - STA 158+59

MATCH LINE - STA 158+59



DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT



SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 151+59 TO STA 158+59

DISCIPLINE: CIVIL SHEET NAME: M-CIV-PPFL-008

SHEET 89 OF 107

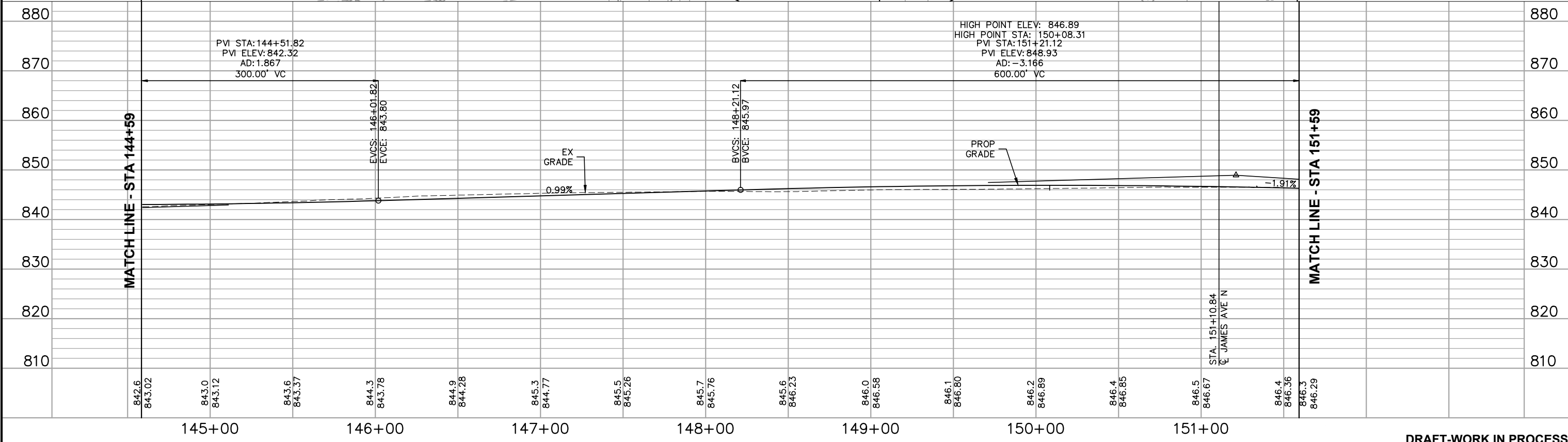
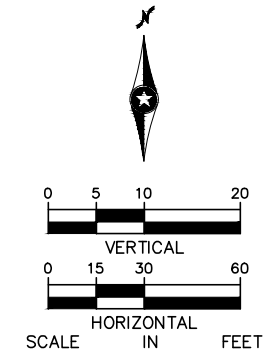
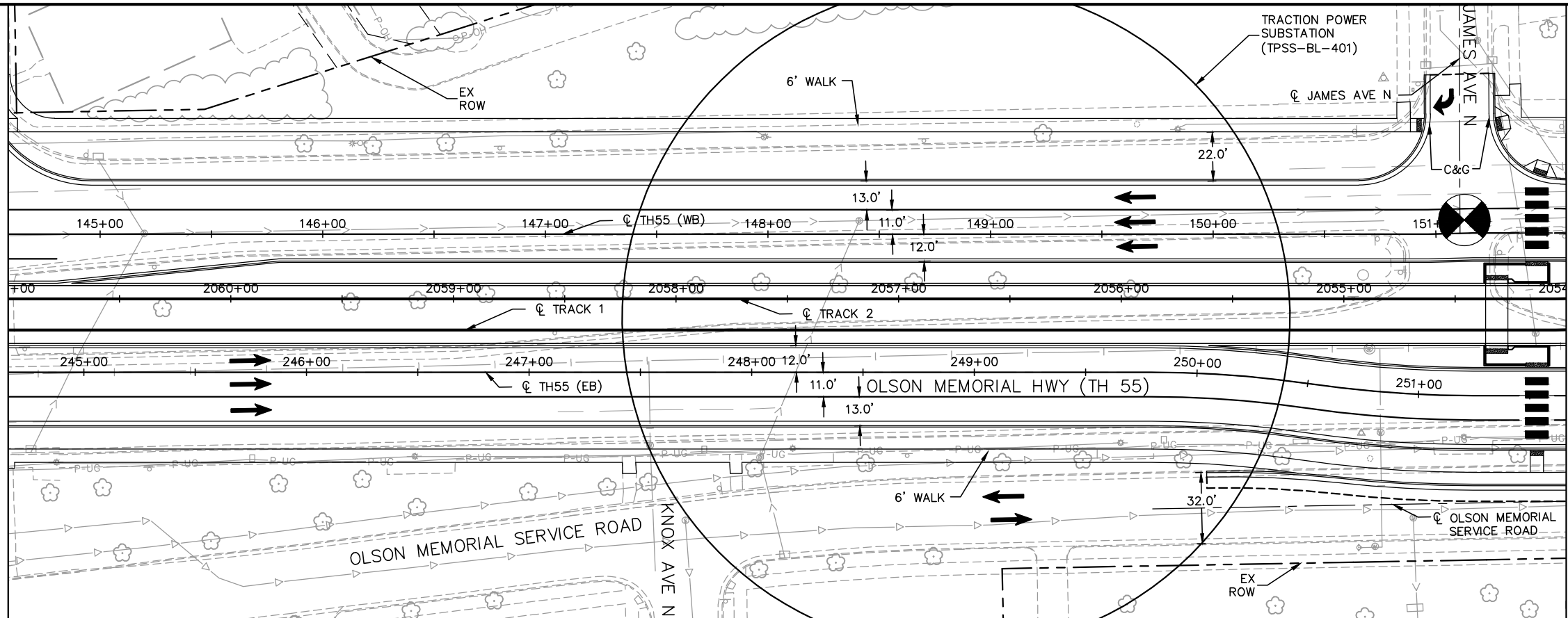
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MATCH LINE - STA 144+59

MATCH LINE - STA 144+59

MATCH LINE - STA 151+59

MATCH LINE - STA 151+59



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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL



MUNICIPAL CONSENT

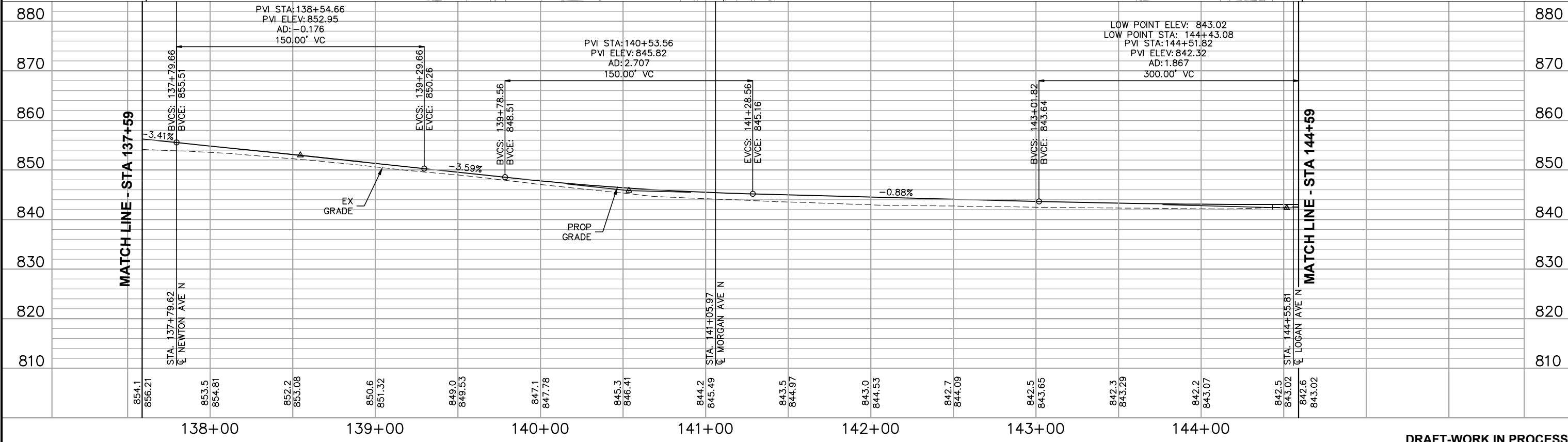
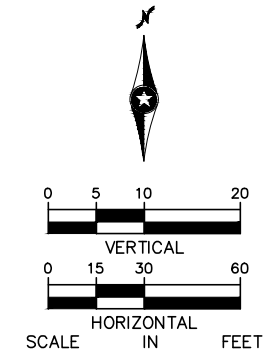
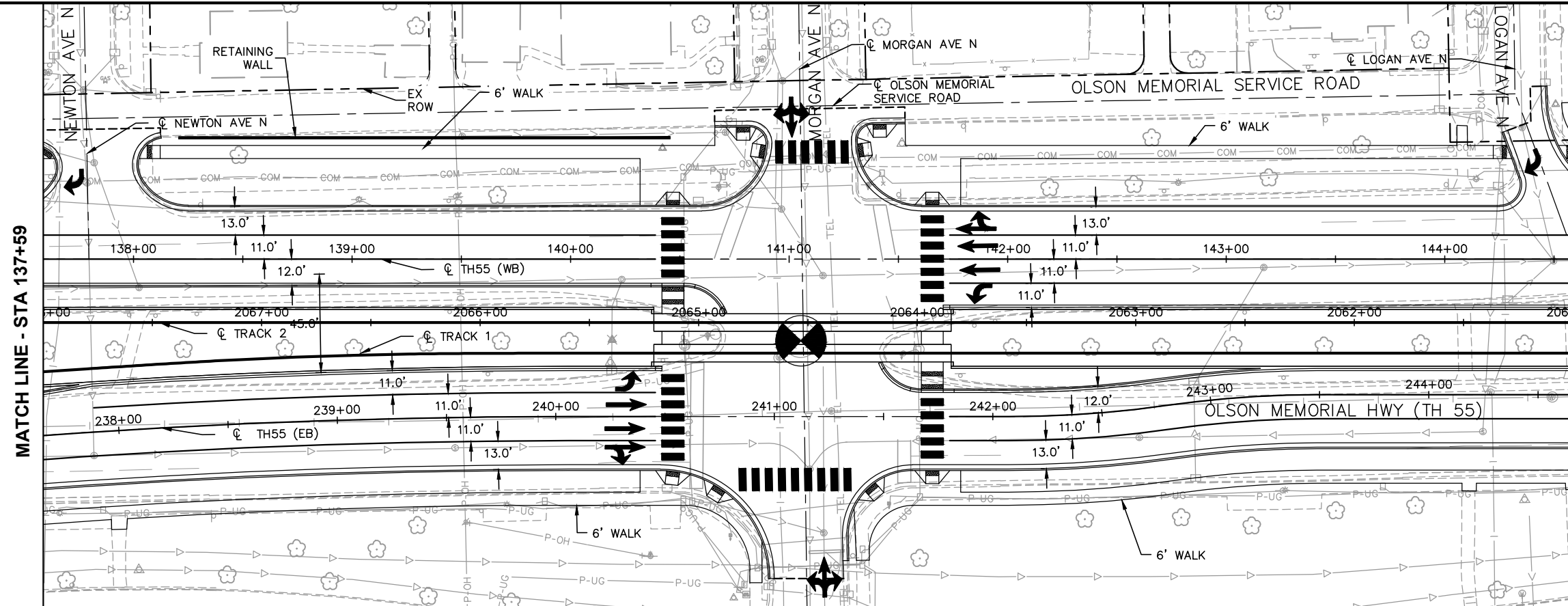


**SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 144+59 TO STA 151+59**

DISCIPLINE: **CIVIL** SHEET NAME: **M-CIV-PPFL-009**

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90
OF
107

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT



DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PPFL-010

SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 137+59 TO STA 144+59

SHEET
 91
 OF
 107

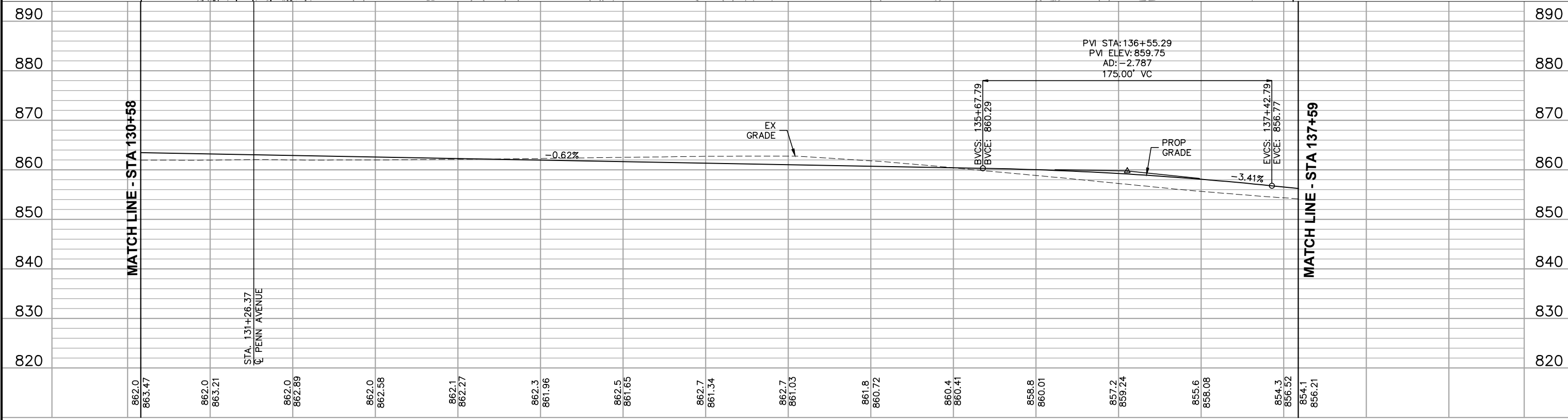
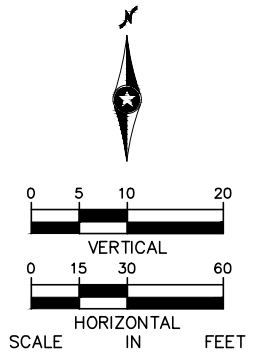
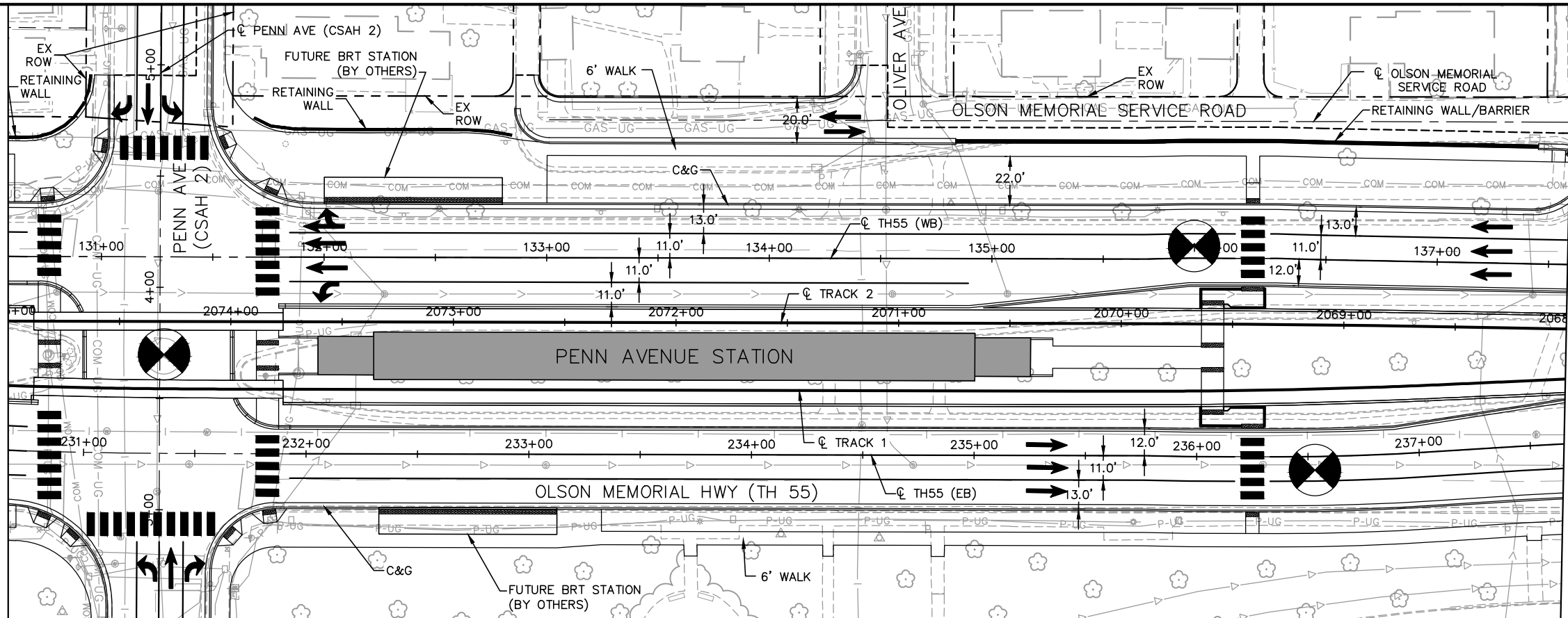
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MATCH LINE - STA 130+58

MATCH LINE - STA 130+58

MATCH LINE - STA 137+59

MATCH LINE - STA 137+59



862.0	863.47	862.0	863.21	862.0	862.89	862.0	862.58	862.1	862.27	862.3	861.96	862.5	861.65	862.7	861.34	862.7	861.03	861.8	860.72	860.4	860.41	858.8	860.01	857.2	859.24	855.6	856.08	854.3	856.52	854.1	856.21
131+00		132+00				133+00				134+00				135+00				136+00				137+00									

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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

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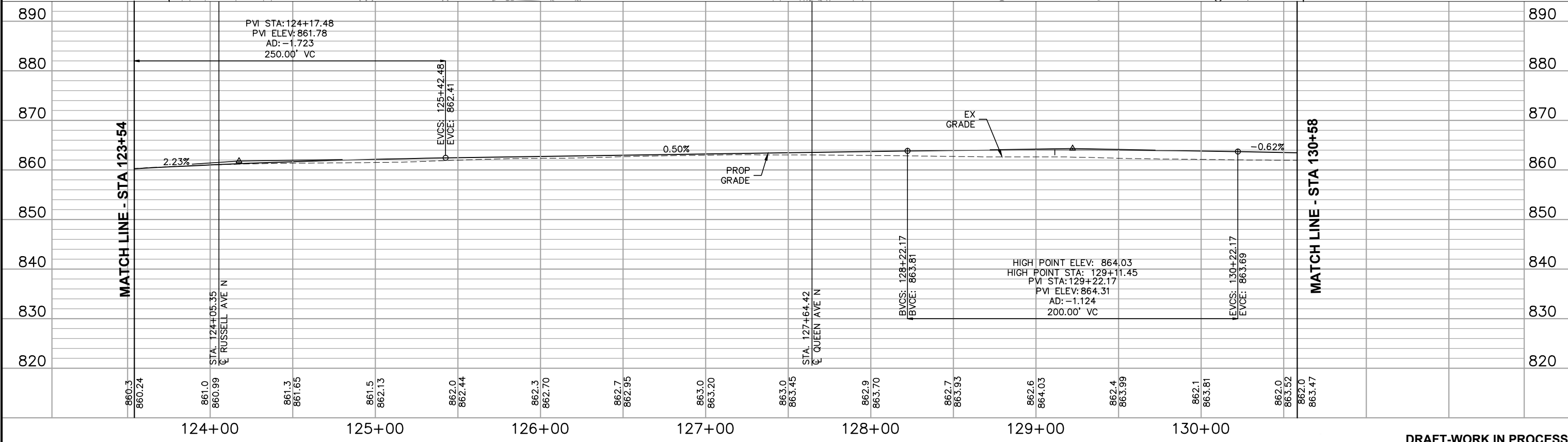
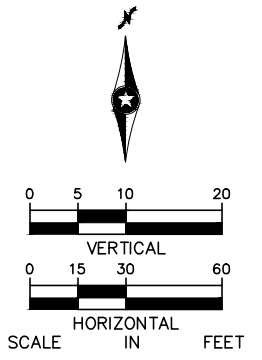
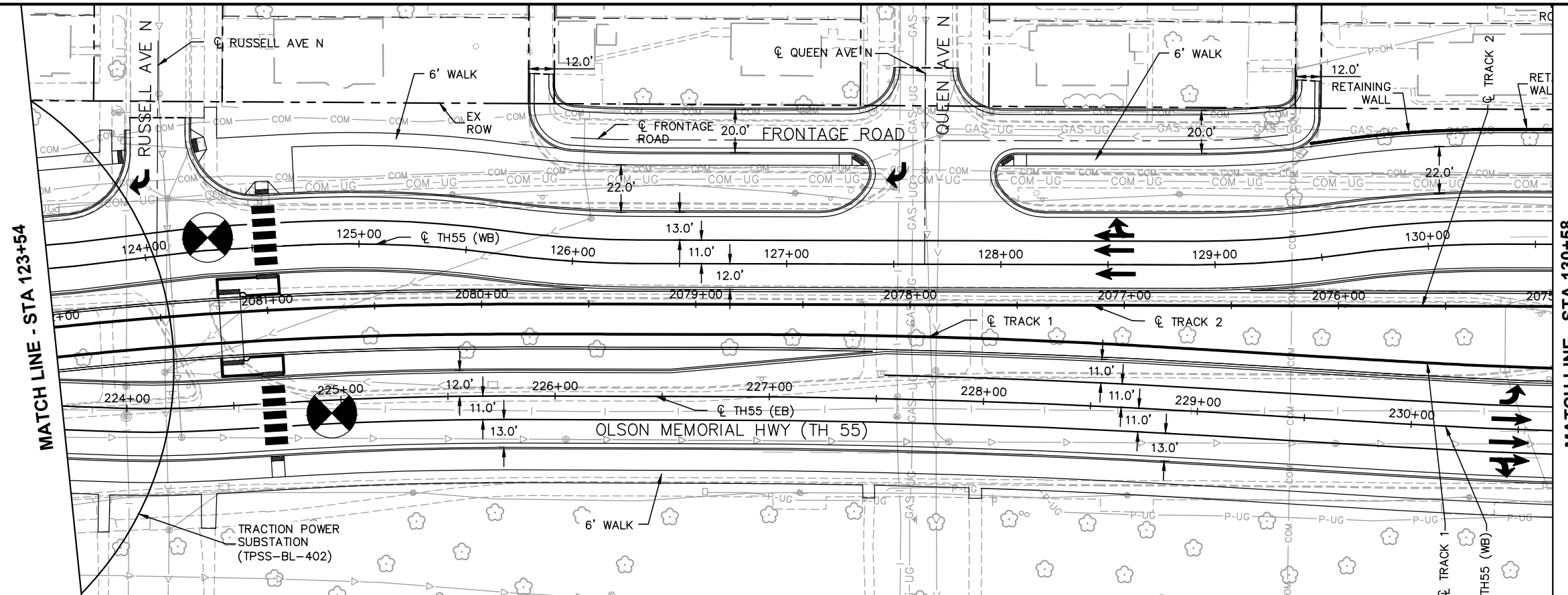


**SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 130+58 TO STA 137+59**

DISCIPLINE: CIVIL SHEET NAME: M-CIV-PPFL-011

SHEET
92
OF
107

Dec. 03 2015 06:21 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-MuelleAL



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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

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MUNICIPAL CONSENT

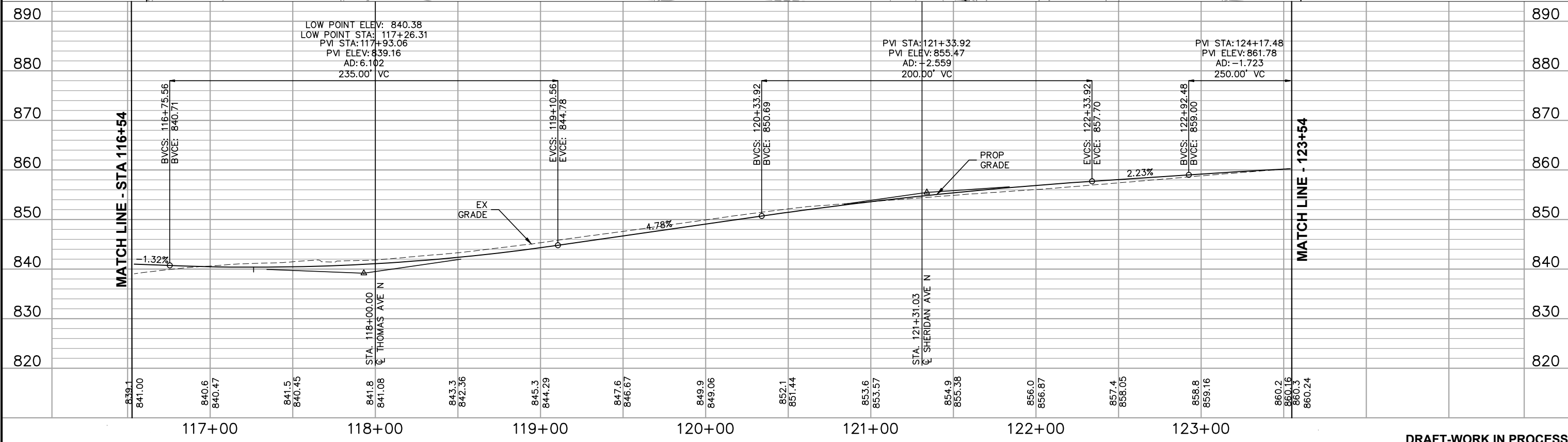
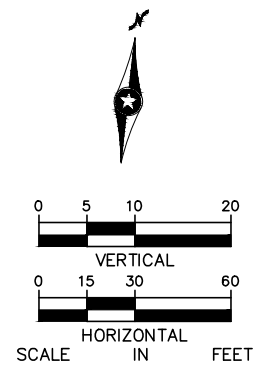
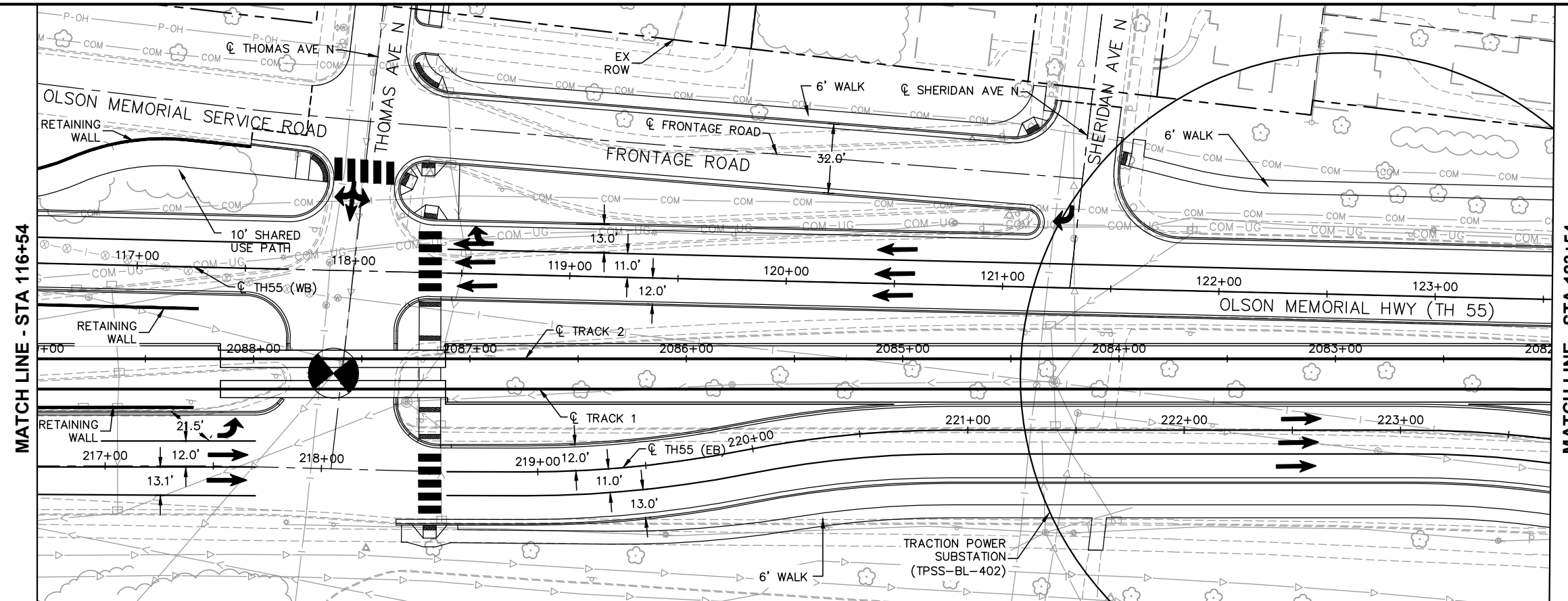


SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 123+54 TO STA 130+58

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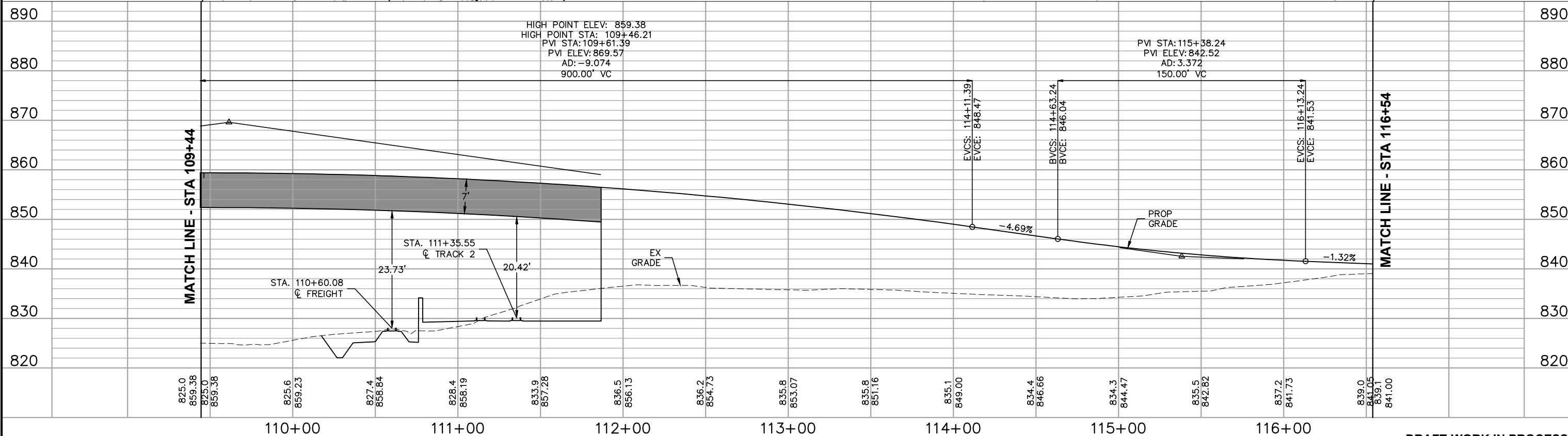
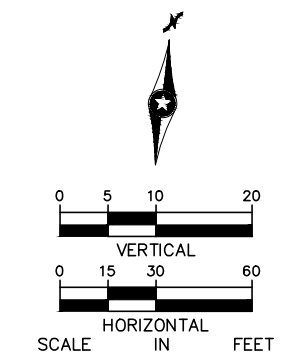
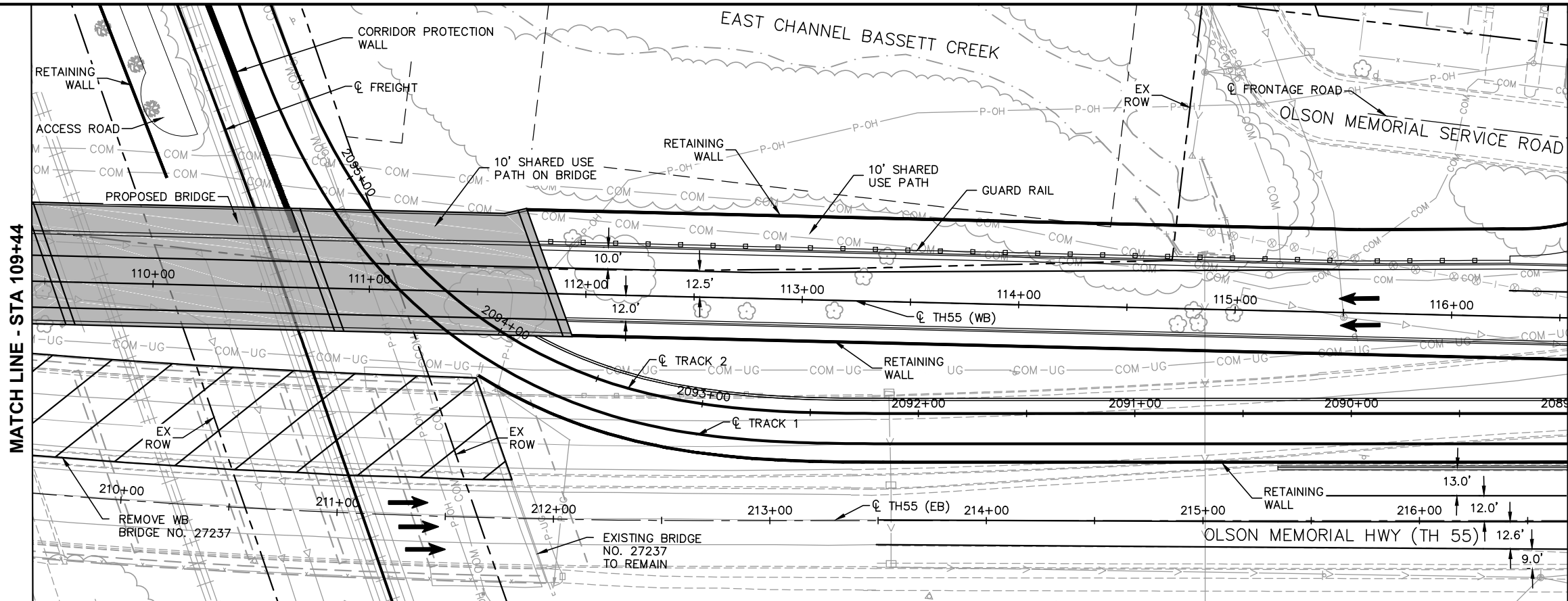
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 OF
 107

Dec. 07 2015 03:33 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-MuelleAL



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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL
MUNICIPAL CONSENT			SEGMENT M OLSON MEMORIAL HWY (TH55) PLAN AND PROFILE STA 116+54 TO STA 123+54	
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SHEET				94
OF				107

Dec. 03 2015 05:09 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIV-M-CIV-PPFL.dwg By: V-MuelleAL



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT

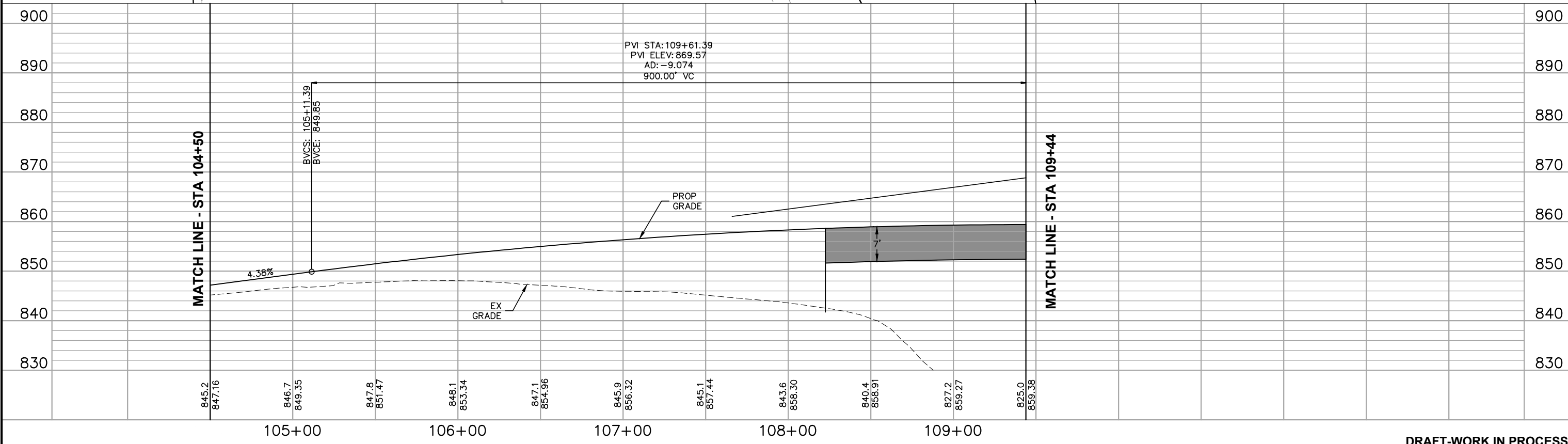
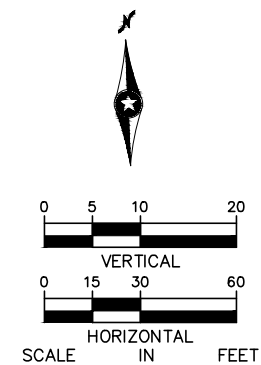
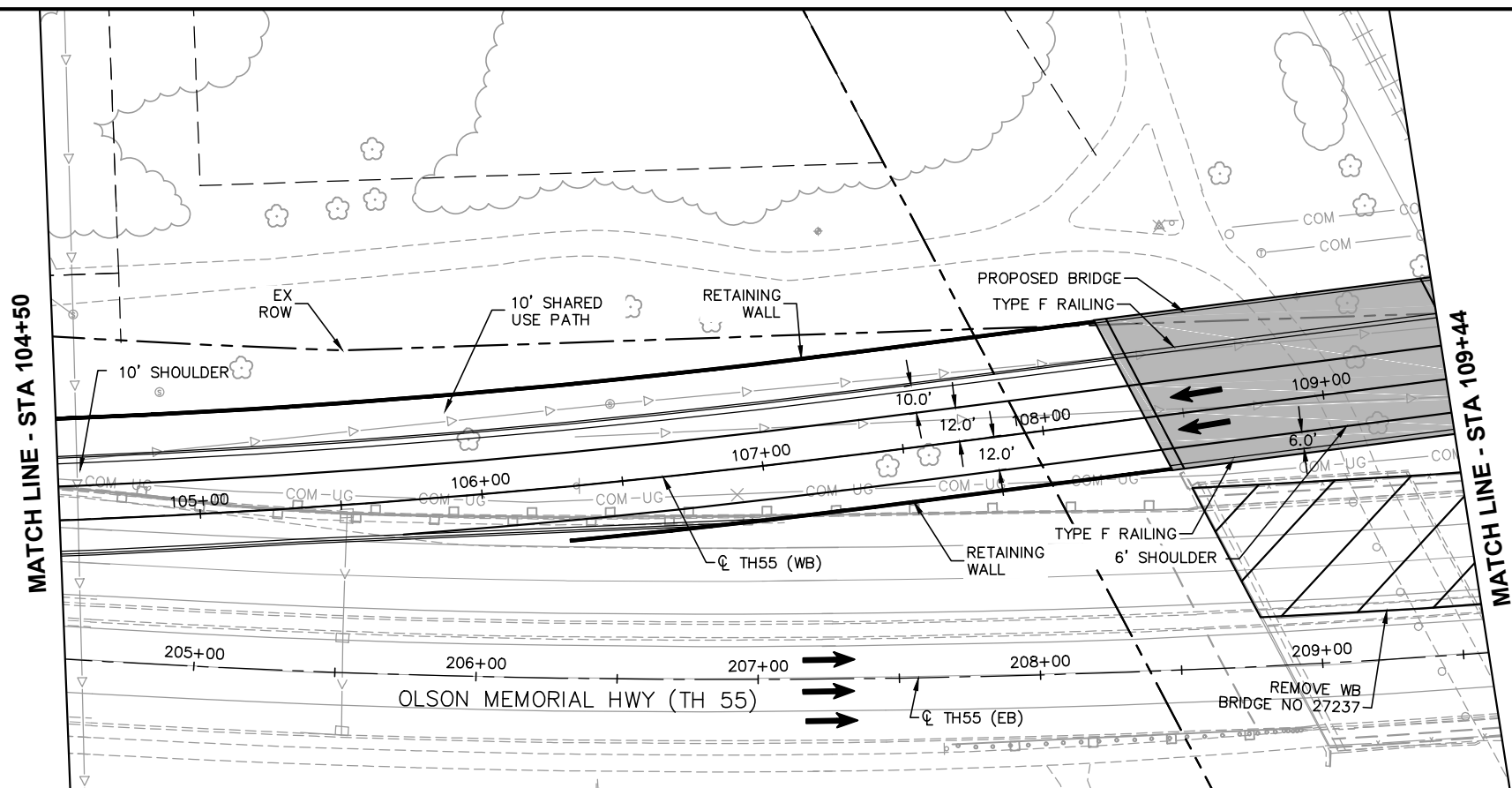


**SEGMENT M
OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 109+44 TO STA 116+54**

DISCIPLINE: CIVIL SHEET NAME: M-CIV-PPFL-014

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95
OF
107

Dec. 08 2015 12:21 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M\C\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-MuelleAL



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NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



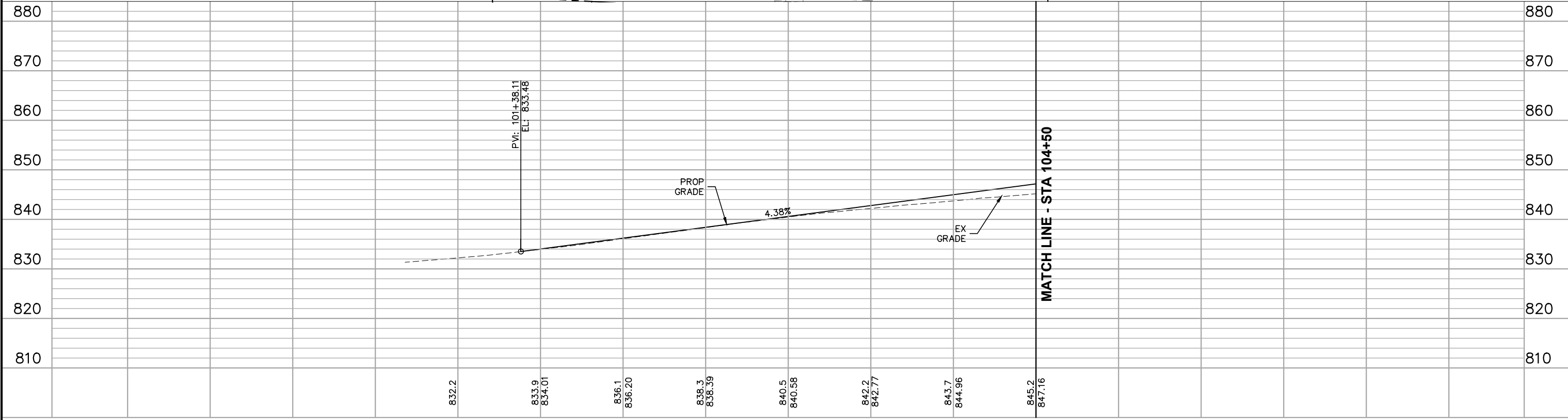
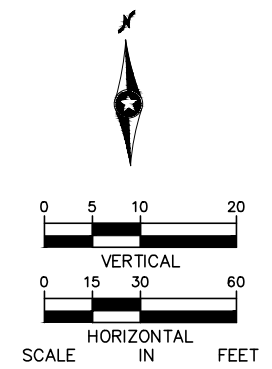
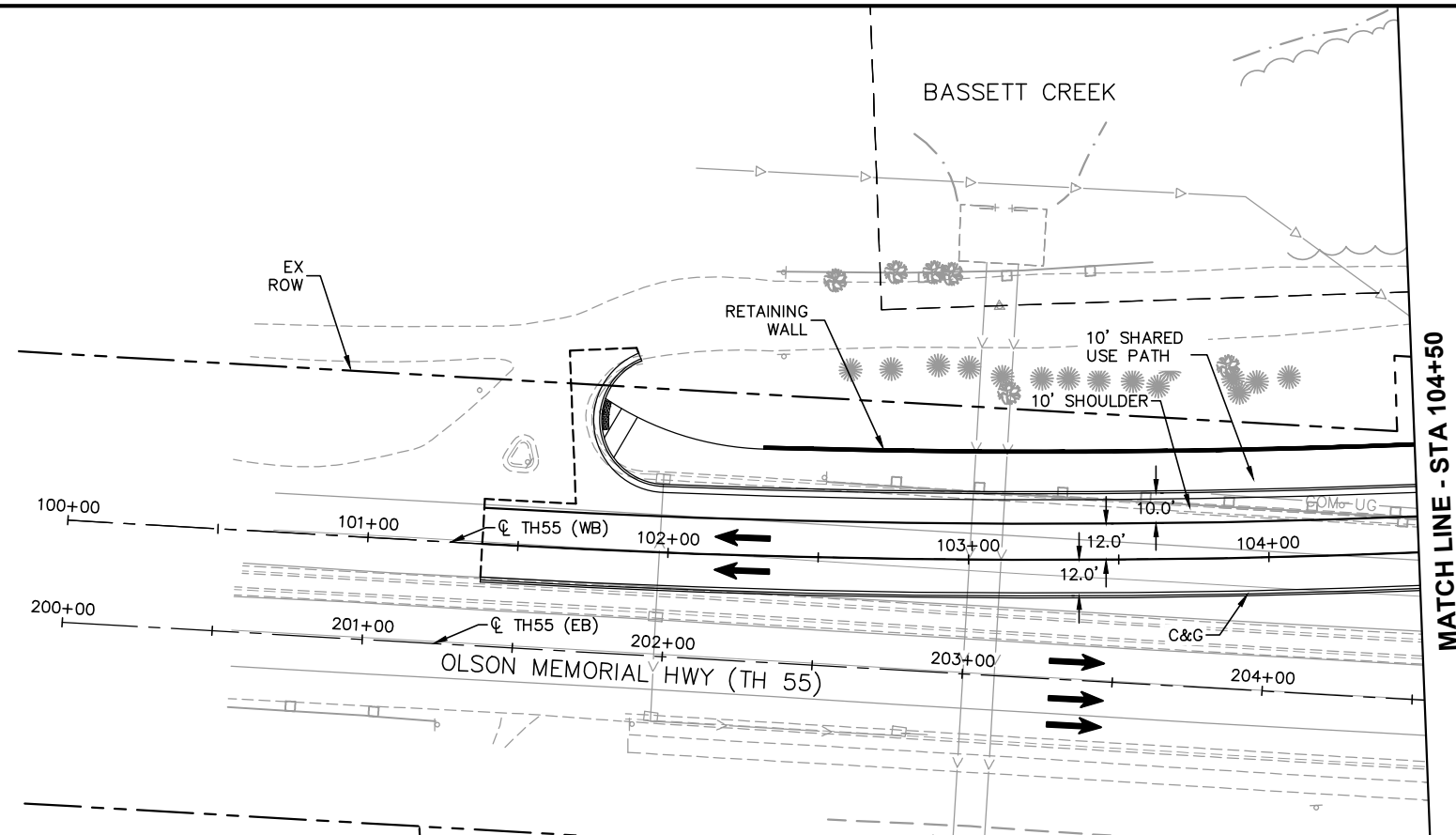
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PLAN AND PROFILE
STA 104+50 TO STA 109+44

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PPFL-015

SHEET
96
OF
107

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NO.	DATE	BY	CHECK DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT



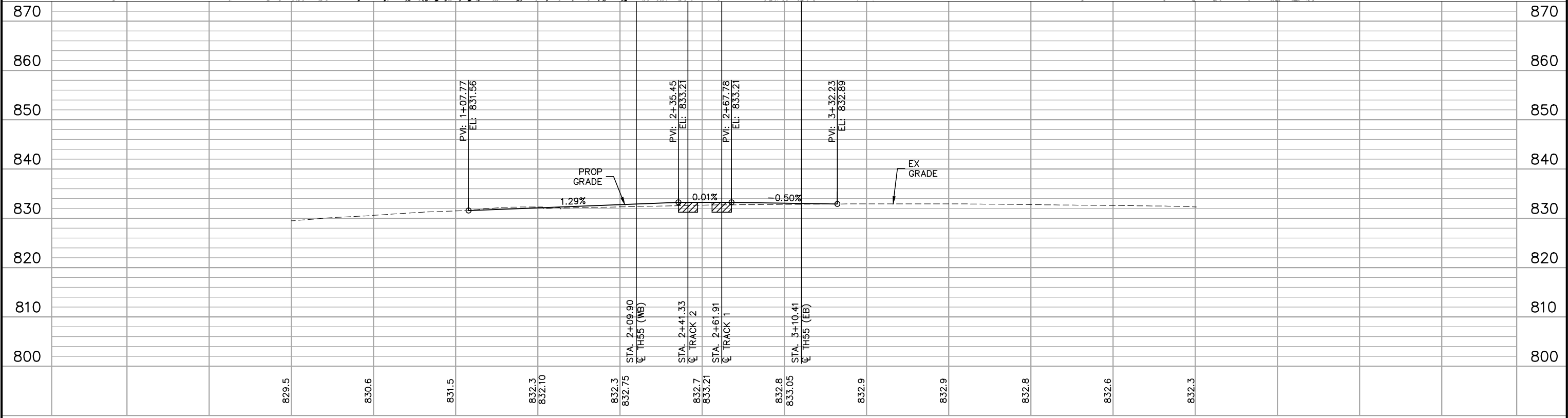
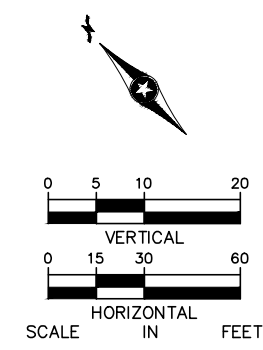
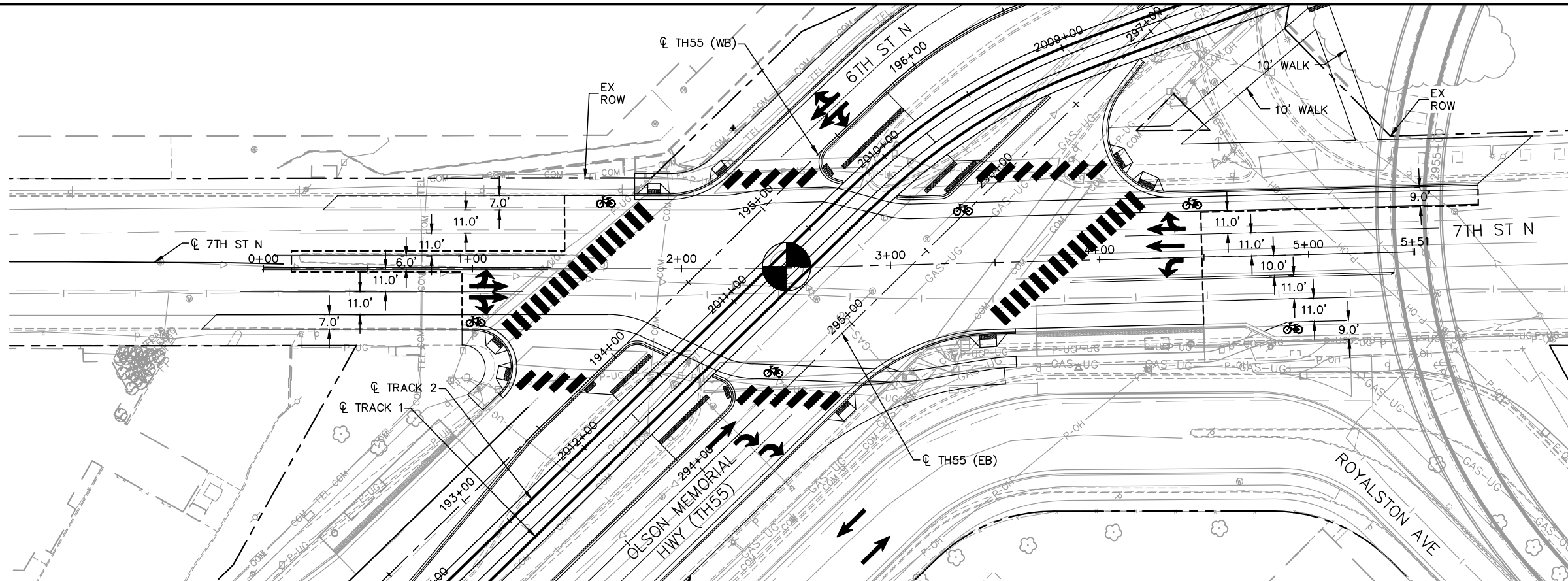
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OLSON MEMORIAL HWY (TH55)
PLAN AND PROFILE
STA 100+00 TO STA 104+50**

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PPFL-016

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97
OF
107**

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MUNICIPAL CONSENT



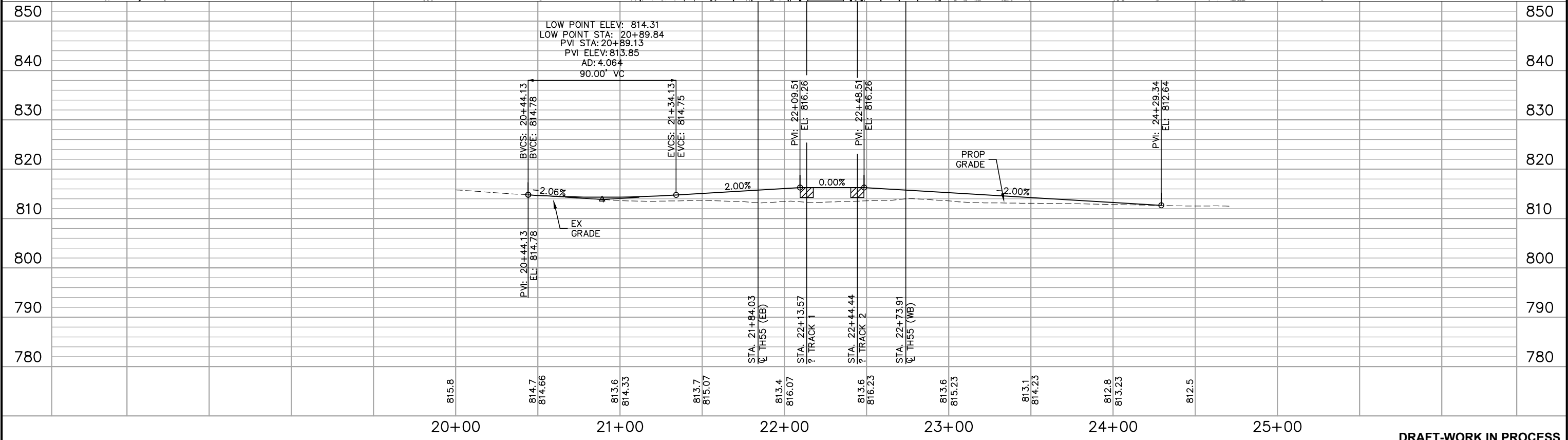
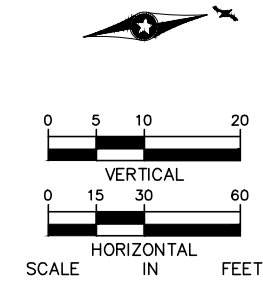
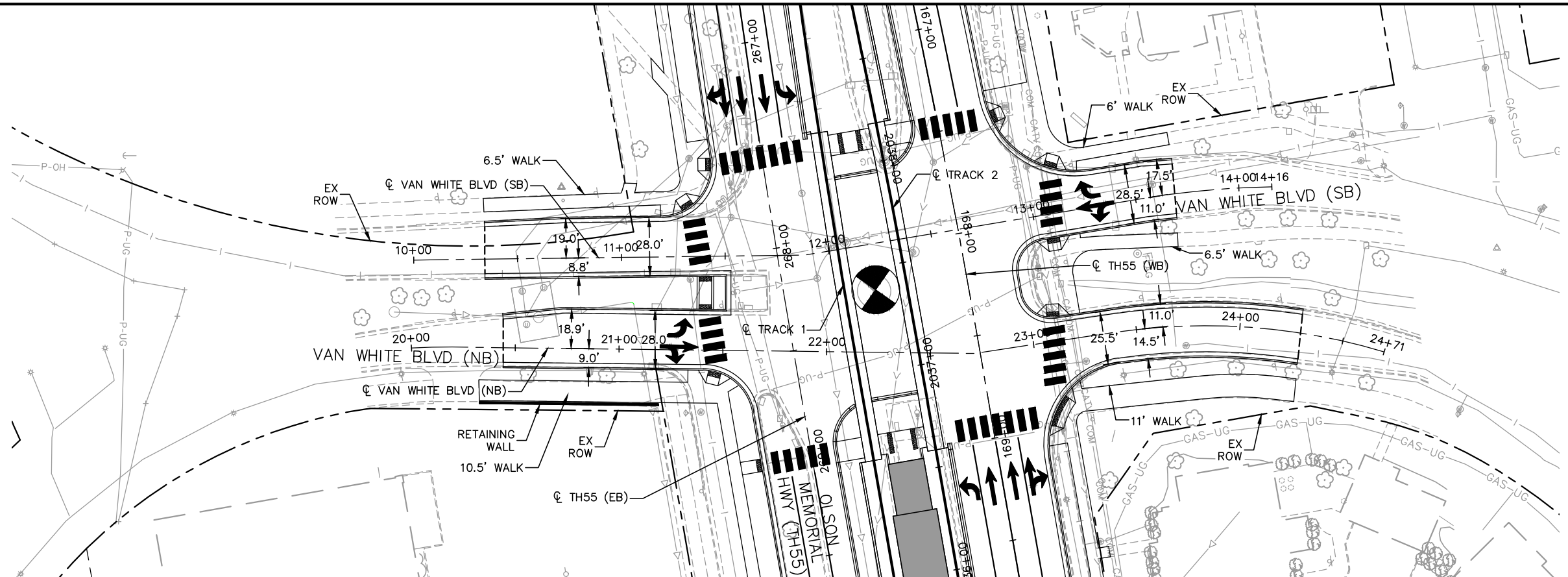
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SEGMENT M
7TH ST N
PLAN AND PROFILE
STA 0+00 TO STA 5+51

SHEET NAME: M-CIV-PPFL-017

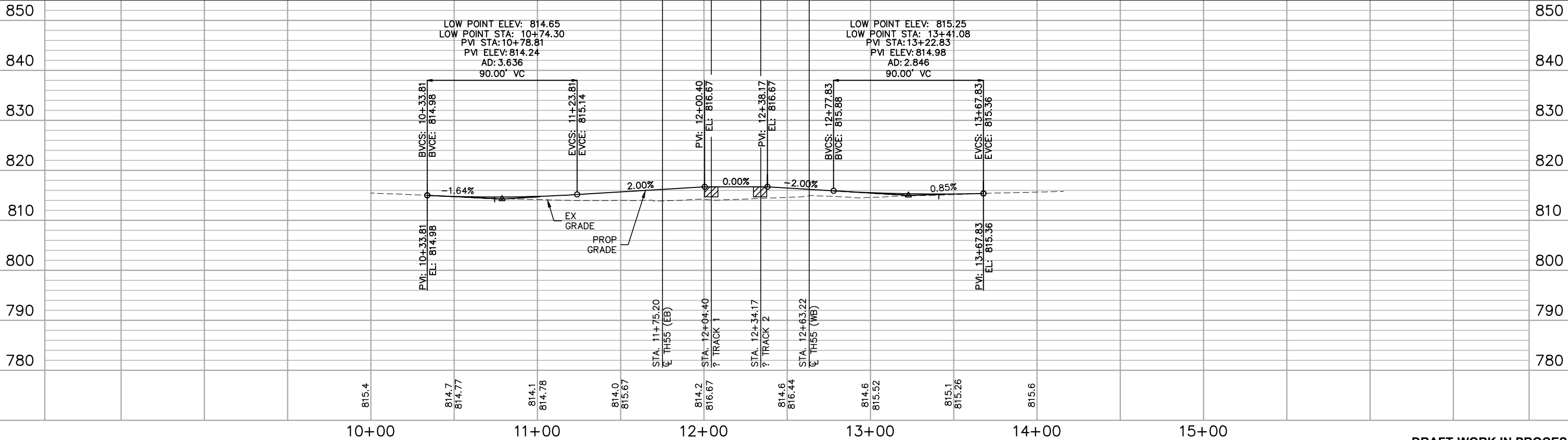
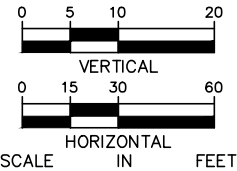
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OF
107

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NO.	DATE	BY	CHECK DESIGN REVISION / SUBMITTAL
MUNICIPAL CONSENT			SEGMENT M VAN WHITE BLVD (NB) PLAN AND PROFILE STA 0+00 TO STA 4+71
DISCIPLINE: CIVIL			SHEET NAME: M-CIV-PPFL-018
SHEET			99
OF			107

SEE SHEET 99 FOR PLAN VIEW



Dec. 03 2015 08:32 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PPFL.dwg By: V-MuelleAL

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

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815.6

Kimley»Horn

MUNICIPAL CONSENT

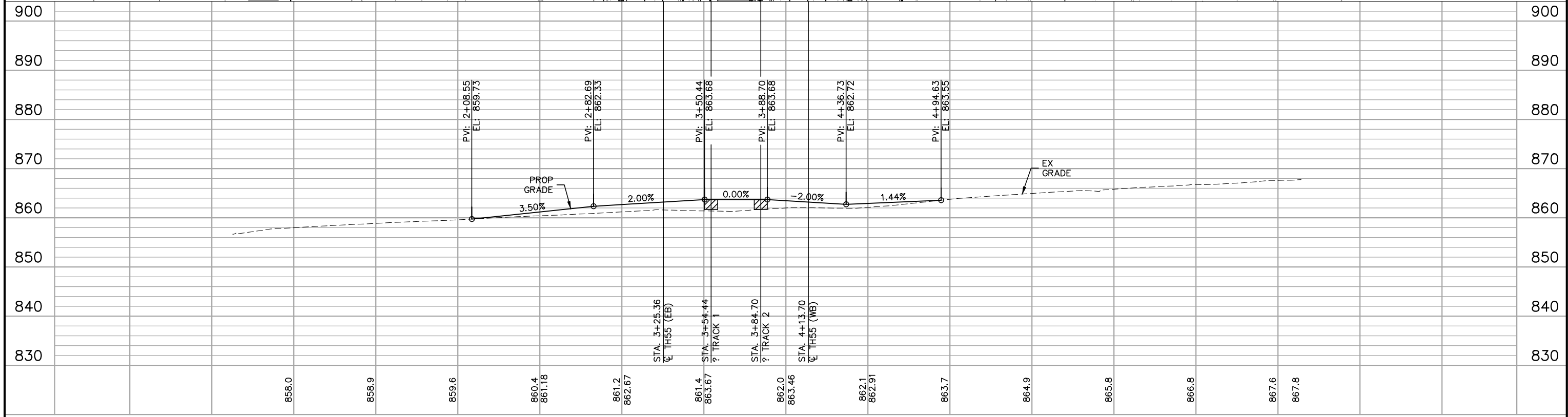
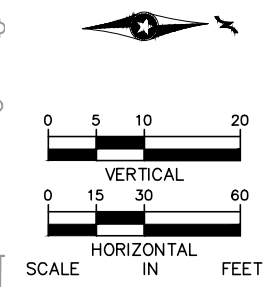
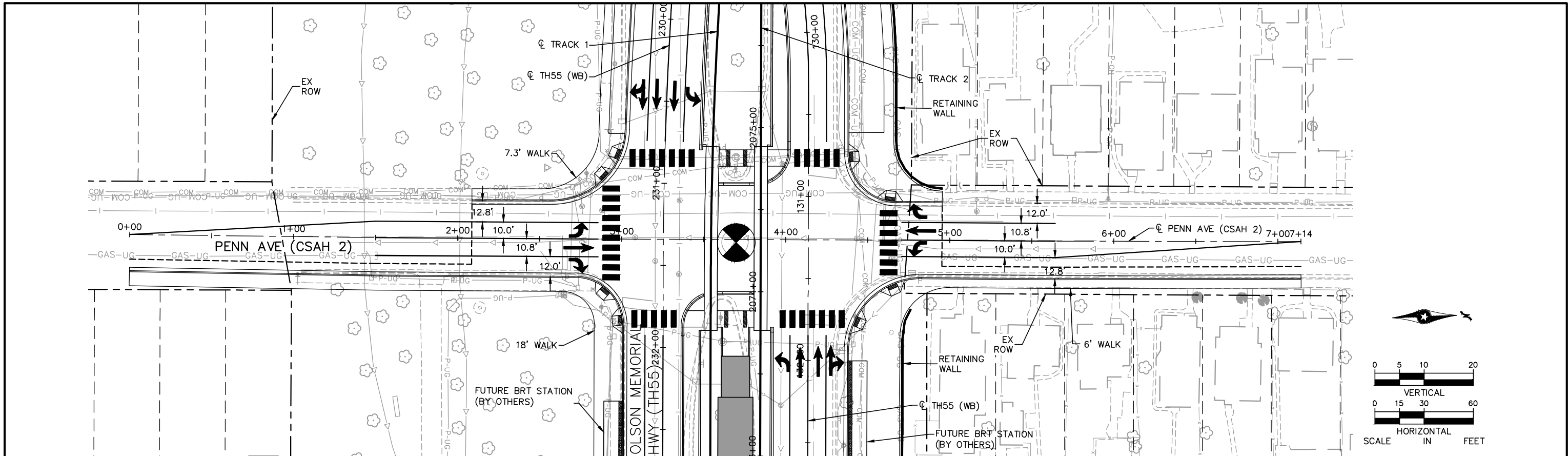
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VAN WHITE BLVD (SB)
PLAN AND PROFILE
STA 0+00 TO STA 4+16**

DISCIPLINE: CIVIL SHEET NAME: M-CIV-PPFL-019

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107

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1+00 2+00 3+00 4+00 5+00 6+00 7+00 DRAFT-WORK IN PROCESS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn

MUNICIPAL CONSENT

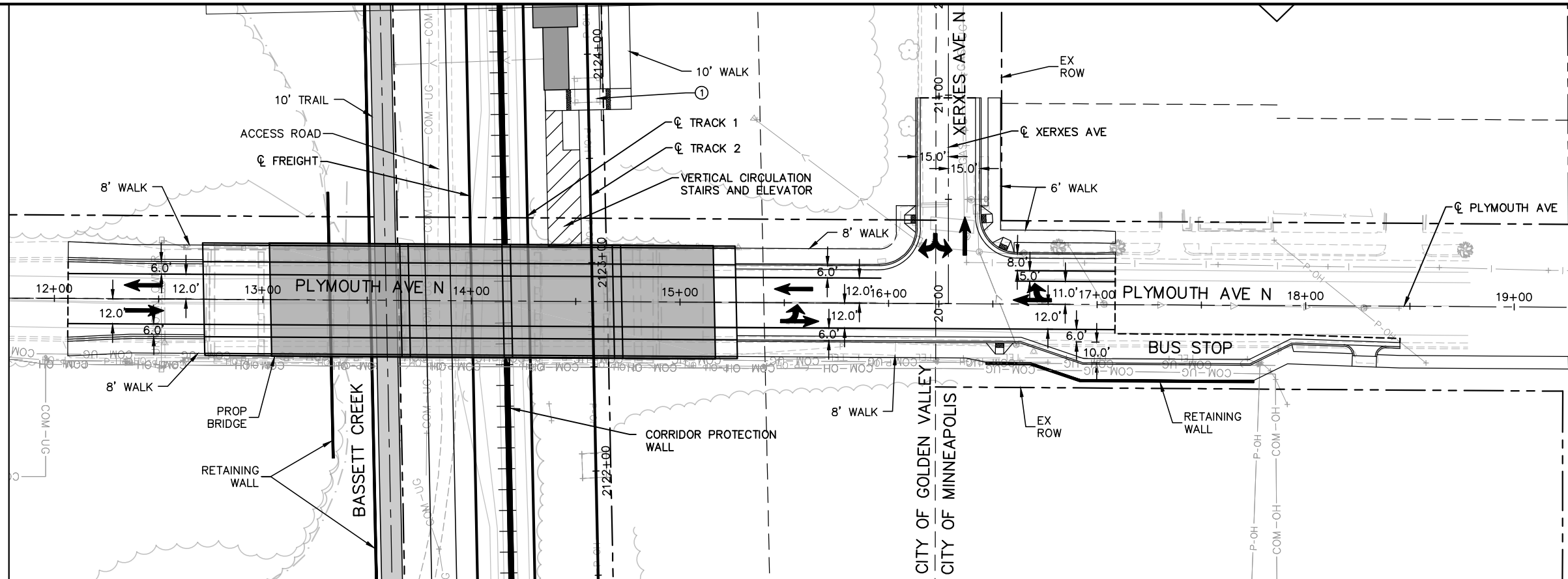


**SEGMENT M
PENN AVENUE (CSAH 2)
PLAN AND PROFILE
STA 0+00 TO STA 7+14**

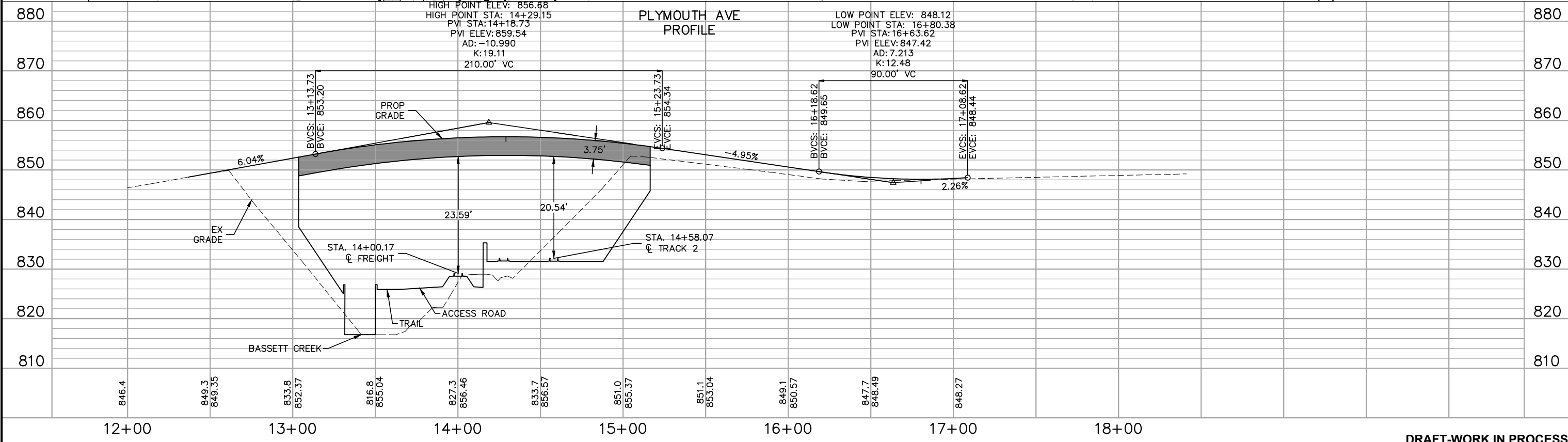
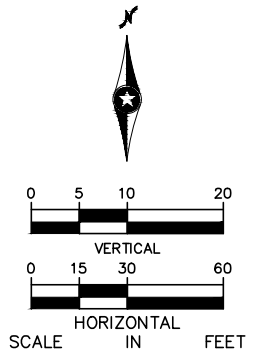
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101
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107

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NOTES:
 ① XCEL TRANSMISSION TOWERS TO BE SHIFTED TO WEST SIDE OF BNSF ROW. SEE TRACK TYPICAL SECTIONS.



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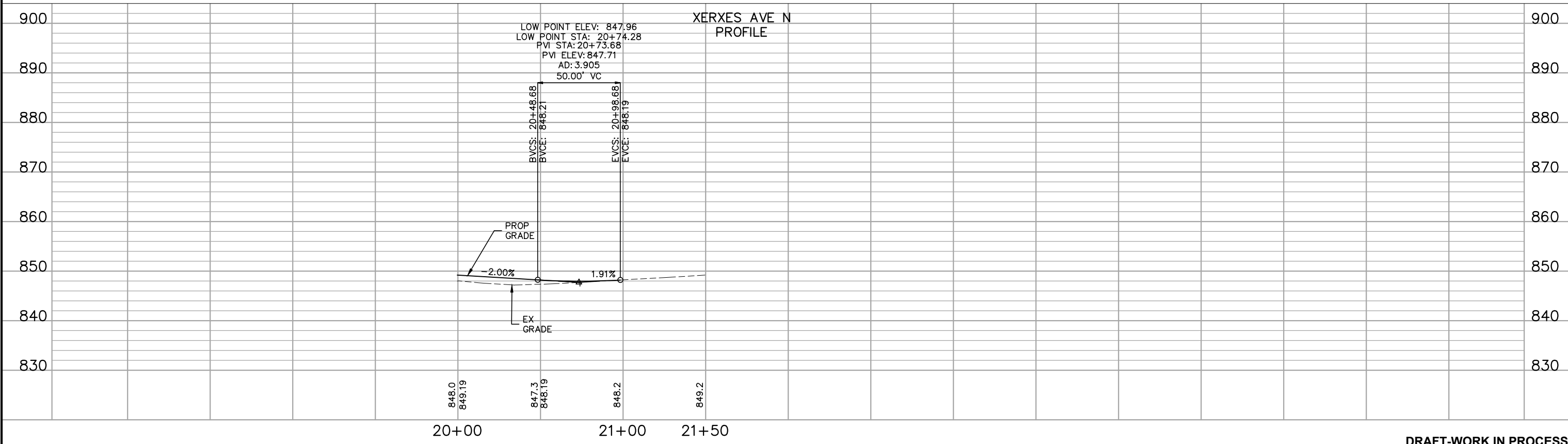
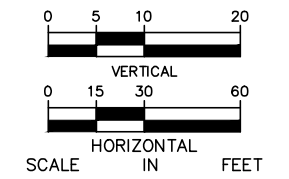
**SEGMENT M
 PLYMOUTH AVE N
 PLAN AND PROFILE
 STA 11+78 TO STA 19+32**

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PPFL-021

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 OF
 107

SEE SHEET 102 FOR PLAN VIEW



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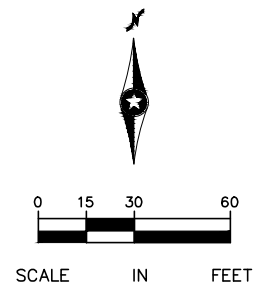
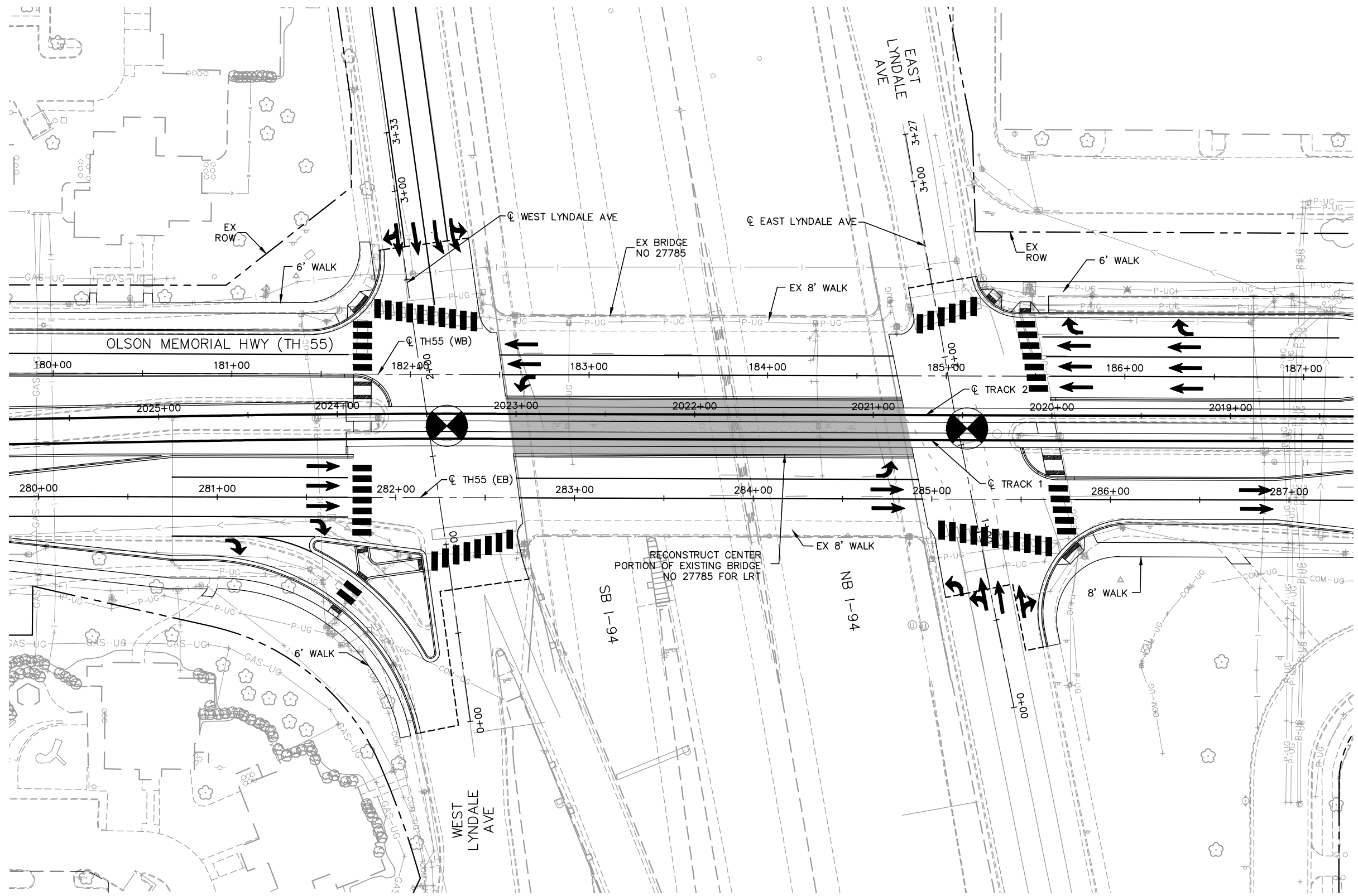
**SEGMENT M
 XERXES AVE N
 PLAN AND PROFILE
 STA 20+00 TO STA 21+50**

DISCIPLINE: CIVIL SHEET NAME: M-CIV-PPFL-022

SHEET 103 OF 107

Dec. 03 2015 08:38 am H:\BPO\550_Design_Consultant\CAD\005-SEGMENT-GV\M\C\PLAN SHEETS\CIVIL\GV-CV-PPFL.dwg By: V-MuelleAL

Dec. 03 2015 05:15 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M\C\PLAN SHEETS\CIVIL\M-CIV-PLN.dwg By: V-MuelleAL



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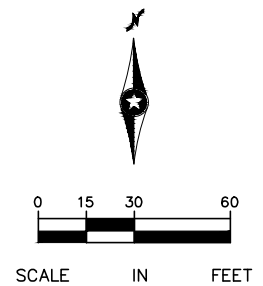
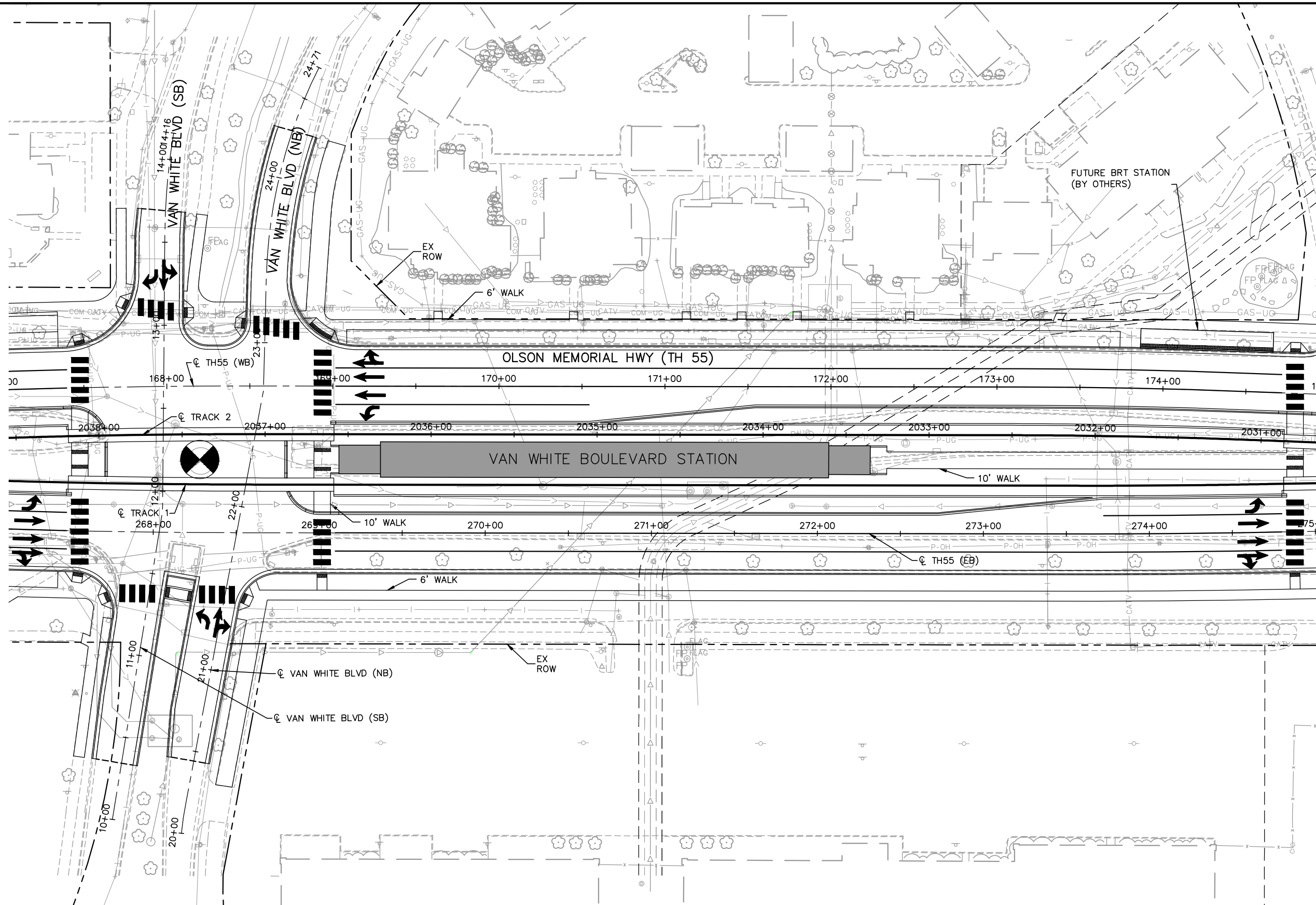
**SEGMENT M
LYNDALE AVE
SITE PLAN**

DISCIPLINE: **CIVIL**

SHEET NAME: **M-CIV-PLN-001**

**SHEET
104
OF
107**

Dec. 07 2015 03:39 pm H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\MC\PLAN SHEETS\CIVIL\M-CIV-PLN.dwg By: V-MuelleAL



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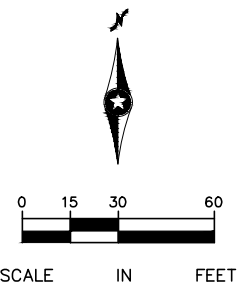
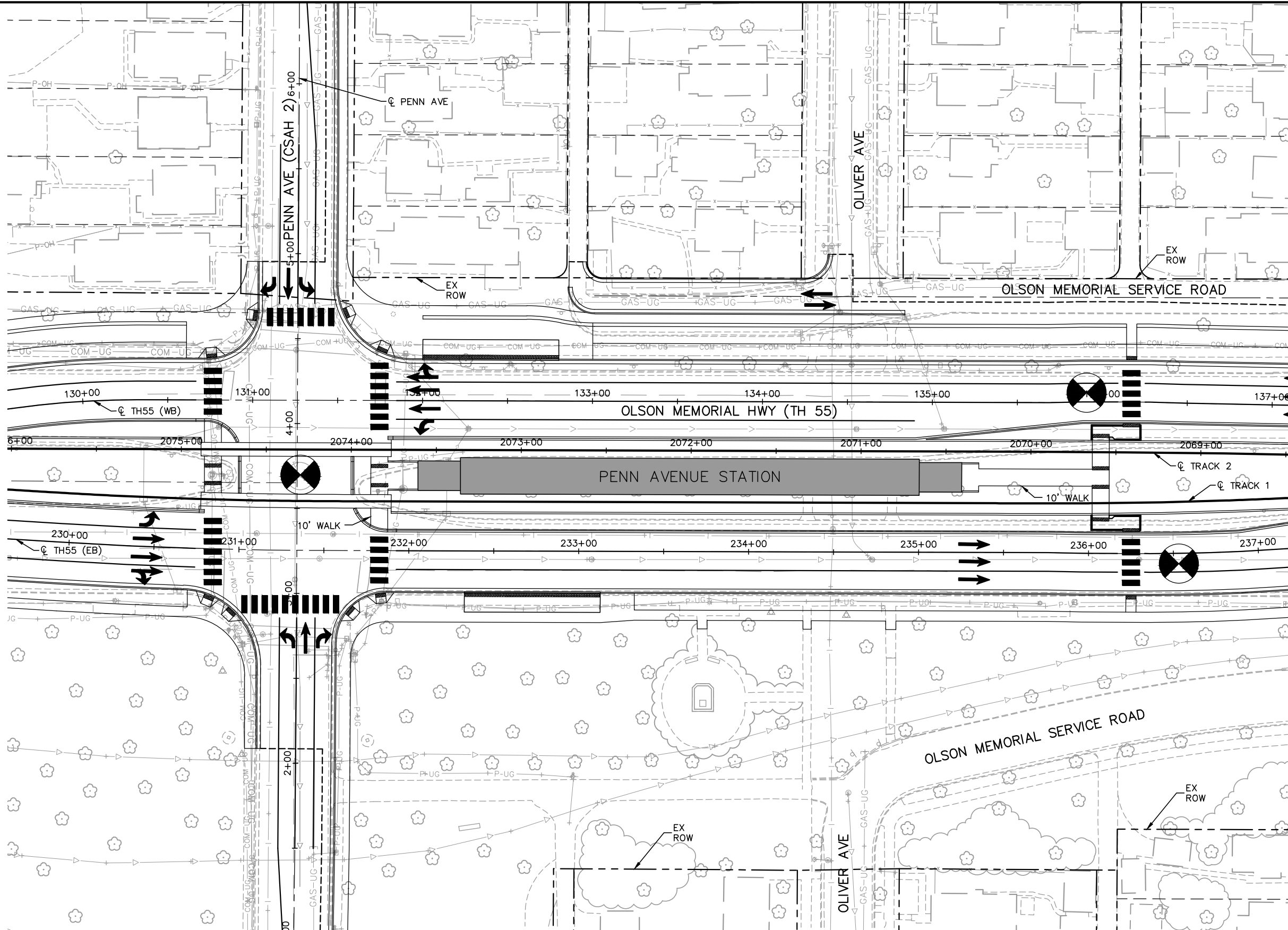
**SEGMENT M
VAN WHITE BOULEVARD STATION
SITE PLAN**

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PLN-002

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105
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107

Dec. 03 2015 08:41 am H:\BPO\550_Design_Consultant\CAD\006-SEGMENT-M\M\C\PLAN SHEETS\CIVIL\M-CIV-PLN.dwg By: V-MuelleAL



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**SEGMENT M
PENN AVENUE STATION
SITE PLAN**

DISCIPLINE: CIVIL

SHEET NAME: M-CIV-PLN-003

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107

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STATION PLATFORM ELEMENTS:

- R APPROACH RAMP
 - LESS THAN 5% SLOPE
 - HAND RAIL ON BOTH SIDES

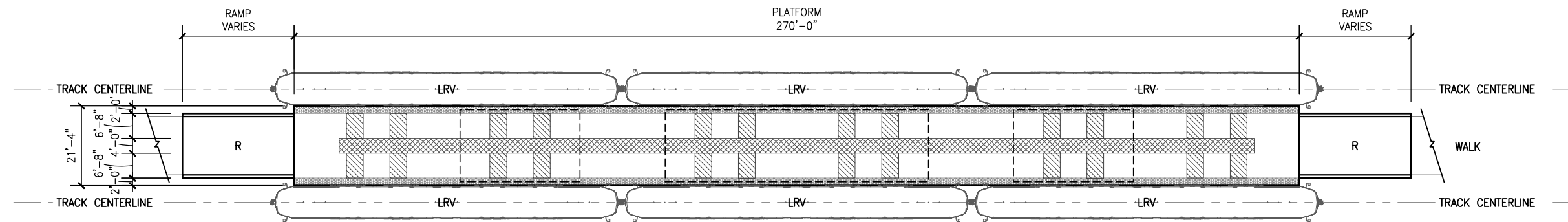
- PATRON CIRCULATION ZONE
 - CLEAR OF OBSTRUCTIONS
 - WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO PEOPLE

- 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

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

- BOARDING EDGE
 - ADA DETECTABLE WARNING AT EDGE OF PLATFORM



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Kimley»Horn
millerdunwiddie
 ARCHITECTURE

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SEGMENT M
TYPICAL CENTER PLATFORM PLAN

DISCIPLINE: **ARCHITECTURE**

SHEET NAME: **M-ARC-STA-PLN-001**

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 107
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