





### SEGMENT R

# EXISTING CONDITIONS/TRACK/CIVIL MUNICIPAL CONSENT (12/15/2015)

MN STATE STATUTE 473.3994

# GENERAL 1 COVER SHEET AND INDEX OF DRAWINGS 2 LEGEND AND ABBREVIATIONS EXISTING CONDITIONS 3-4 SHEET LAYOUT INDEX 5-32 PLAN SHEETS TRACK 33-34 SHEET LAYOUT INDEX 35-57 TYPICAL SECTIONS 58-78 PLAN AND PROFILE CIVIL 79-80 SHEET LAYOUT INDEX 81-83 TYPICAL SECTIONS 84-90 PLAN AND PROFILE 91-92 SITE PLAN

TYPICAL CENTER PLATFORM PLAN

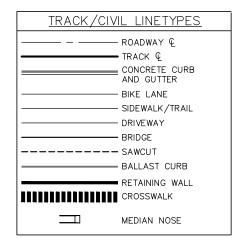
**INDEX** 

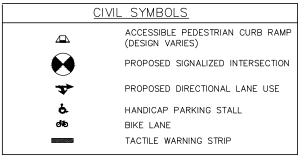
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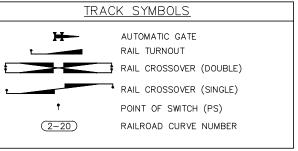
#### **SURVEY NOTES**

- 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)
- 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.

	EXISTING L	INETYPES_
P-OH	—-P-OH-——	OVERHEAD ELECTRIC
P-UG	—- P-UG ———	UNDERGROUND ELECTRIC
т-он	— Т-ОН ———	OVERHEAD TELEPHONE
TEL	— TEL ———	UNDERGROUND TELEPHONE
сом-он	-сом-он	OVERHEAD COMMUNICATION
COM-UG	-COM-UG	UNDERGROUND COMMUNICATION
	OH	OVERHEAD CABLE TELEVISION
CATV	CATV	UNDERGROUND CABLE TELEVISION
FIB-OP	Т	UNDERGROUND FIBER OPTIC
FUEL-UG	-FUEL-UG	UNDERGROUND FUEL
GAS-UG	-GAS-UG	UNDERGROUND GAS
——GAS(AB.)——	-GAS(AB.)	ABANDONED UTILITY
	I	WATER
<b>───</b> ▷──	—>	SANITARY SEWER
D	—D>———	SANITARY FORCE MAIN
	>	STORM SEWER
		LARGE CULVERT
		EDGE OF PAVEMENT
========	=======	CURB AND GUTTER
xxx	xx	FENCE
		GUARDRAIL
		WALK
	<del> </del>	BUILDING
		RETAINING WALL
		BRIDGE
		RIGHT-OF-WAY
		PROPERTY LINE
<del></del>	+++++	FREIGHT RAIL
		CENTERLINE OF TRAIL
	~~~	VEGETATION
	. — . — . —	WATER BODY







<u>ABBREVIATIONS</u>				
AD	ALGEBRAIC DIFFERENCE	ocs	OVERHEAD CONTACT SYSTEM	
AVE	AVENUE	ОН	OVERHEAD	
BGN	BEGIN	ОМН	OLSON MEMORIAL HIGHWAY	
BIT	BITUMINOUS	PC	POINT OF CURVE	
BVCE	BEGININNING 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	
<b>Q</b>	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	
HCRRA	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	

**DRAFT-WORK IN PROCESS** 

SHEET

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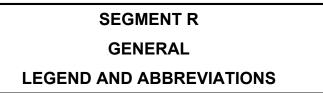
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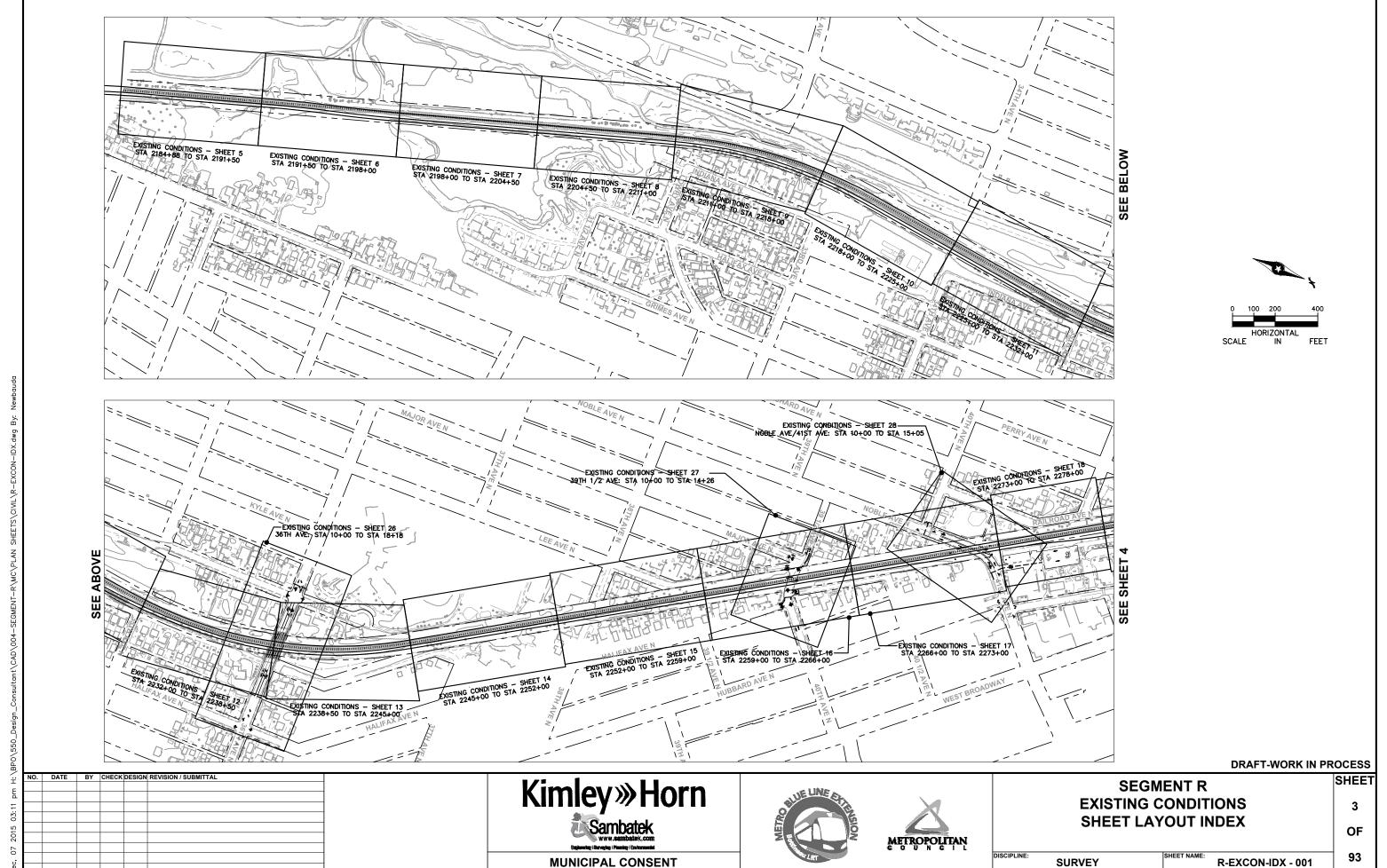


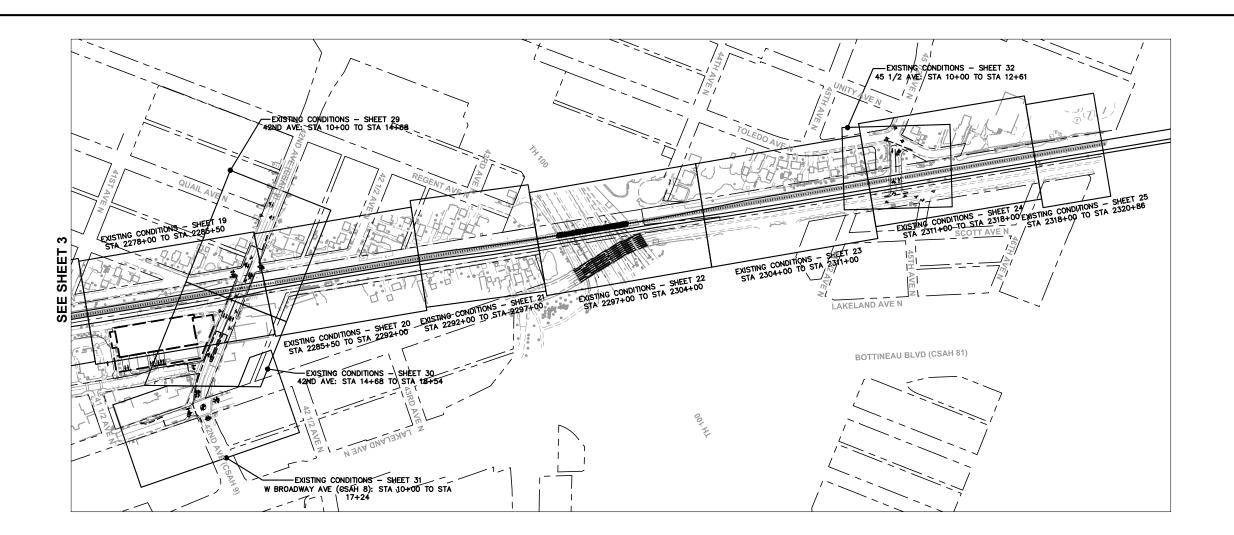


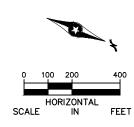
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NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL

**MUNICIPAL CONSENT** 







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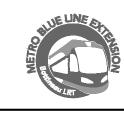
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<b>EXISTING CONDITIONS</b>
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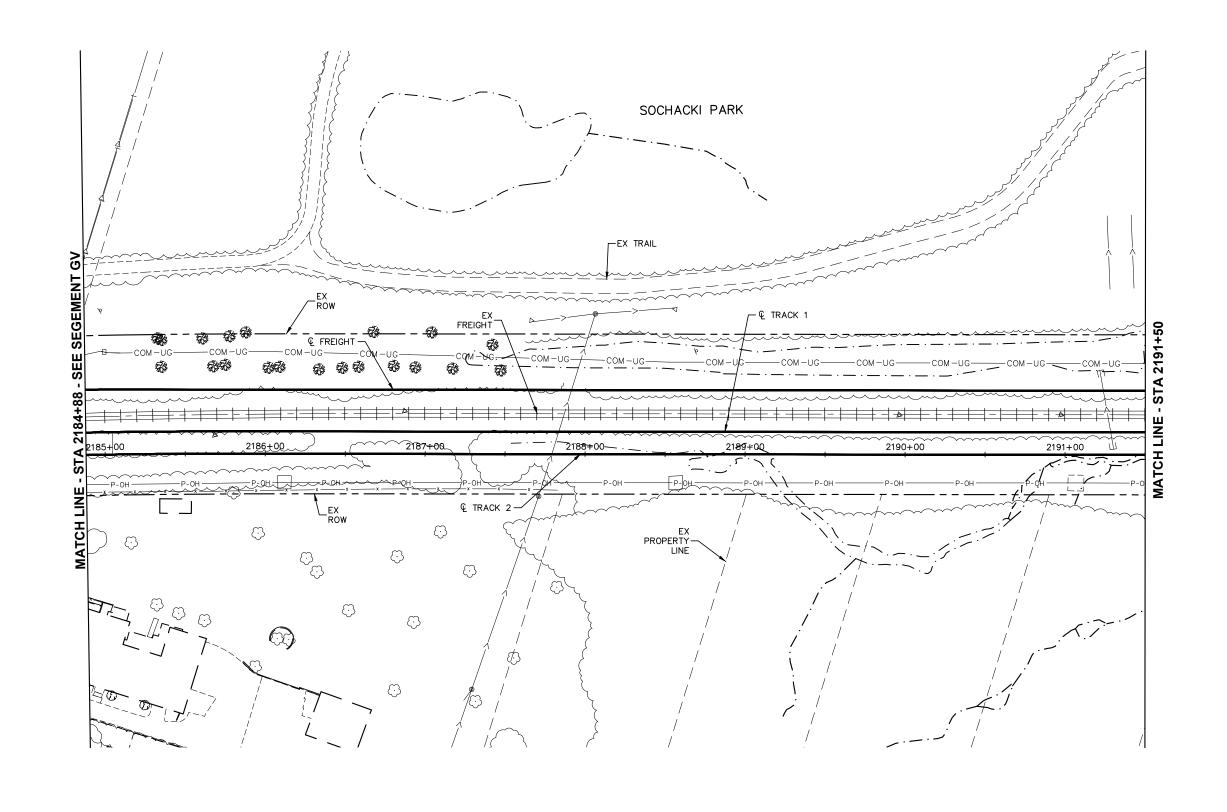
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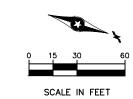
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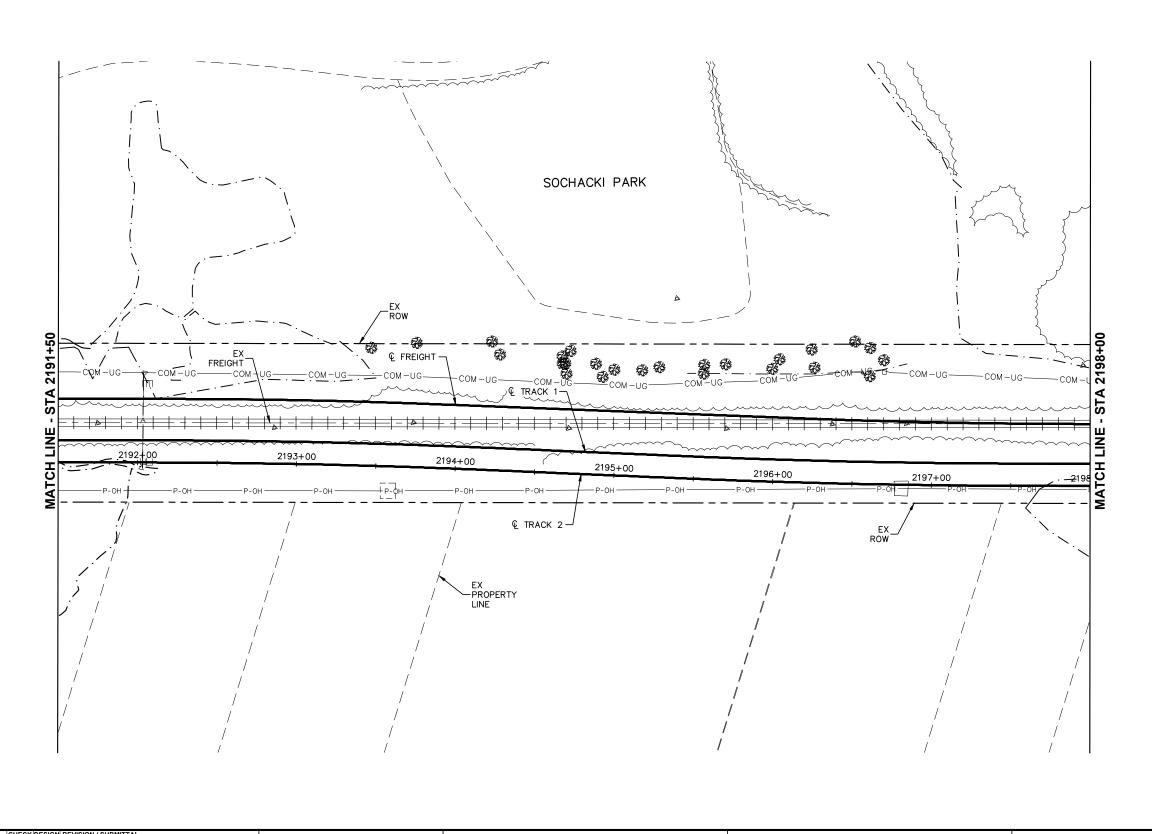
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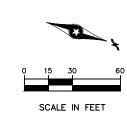




SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2184+88 TO STA 2191+50

DISCIPLINE: SURVEY	SHEET NAME:	R-EXCON-PLN-001





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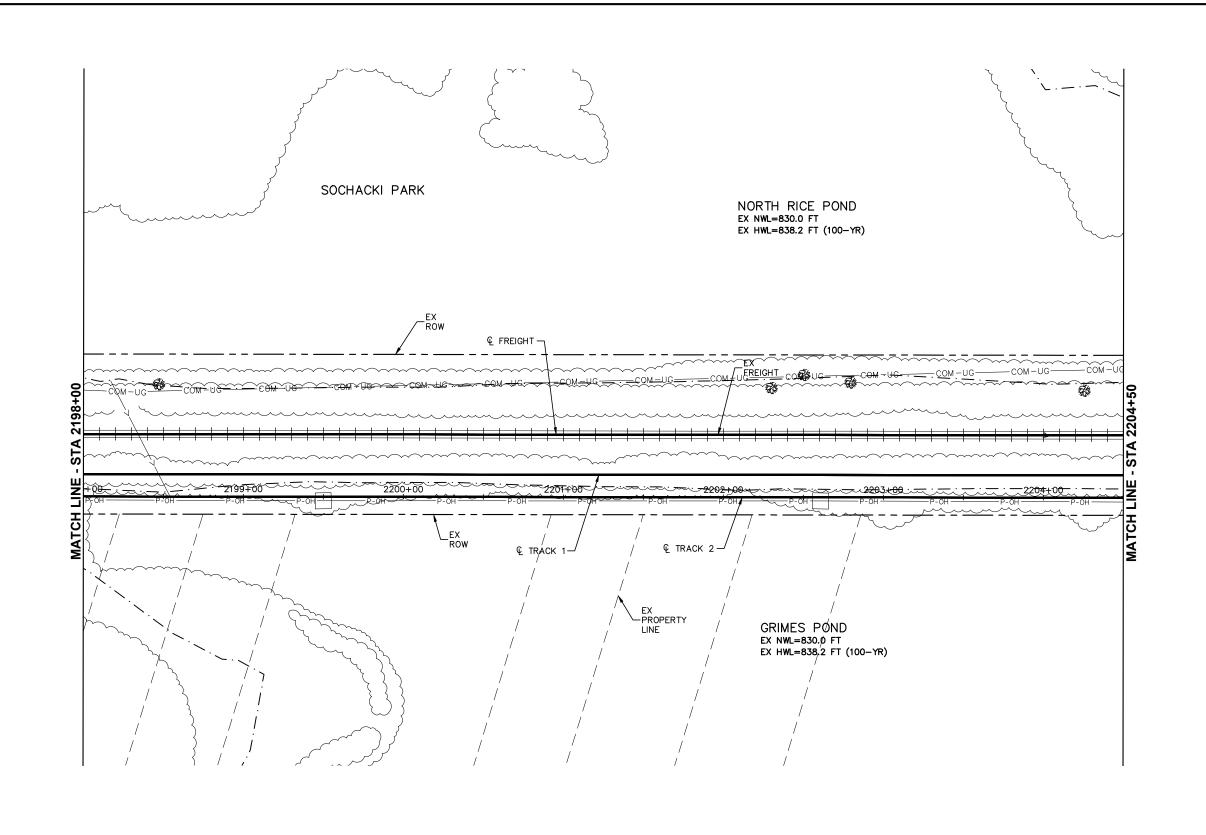
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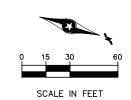




SEGMENT R **RAIL CORRIDOR EXISTING CONDITIONS** STA 2191+50 TO STA 2198+00

R-EXCON-PLN-002 SURVEY





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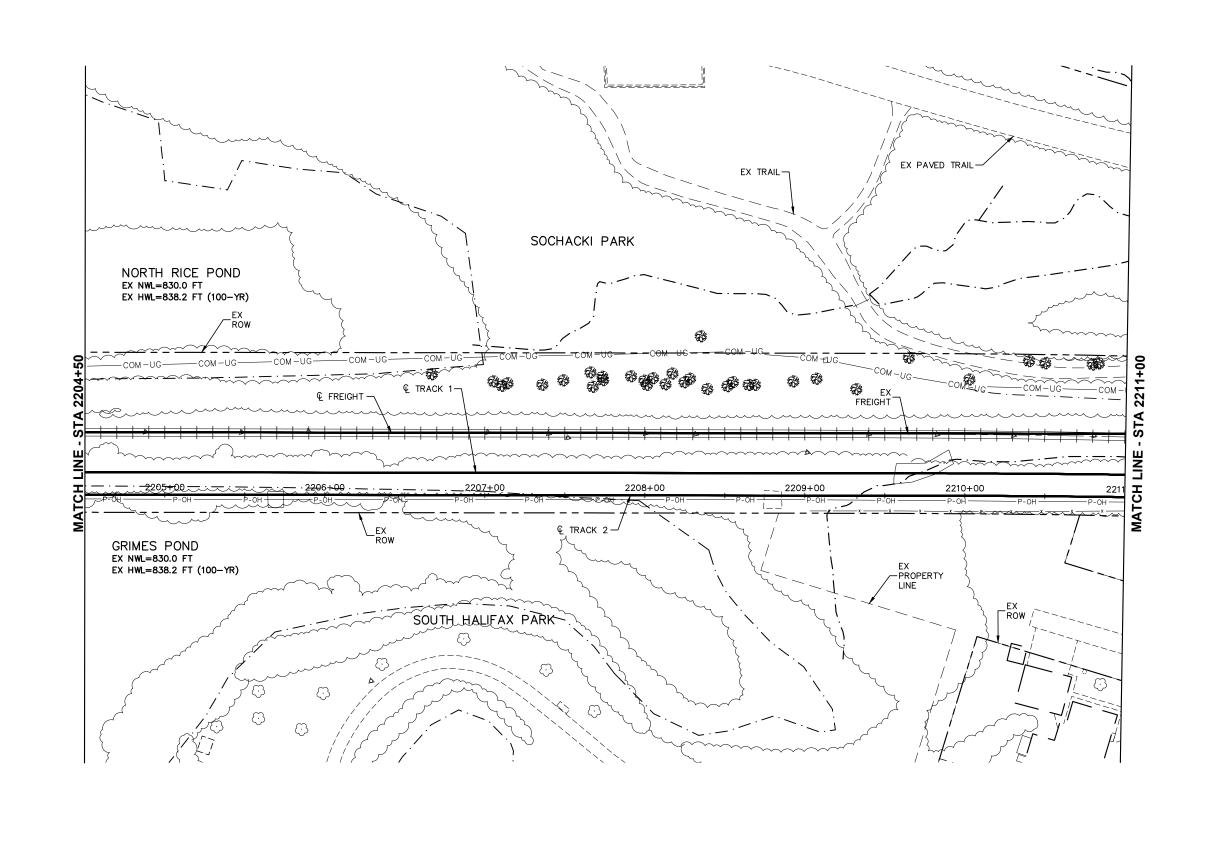
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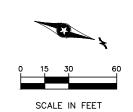




SEGMENT R
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2198+00 TO STA 2204+50

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SEGMENT R
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2204+50 TO STA 2211+00

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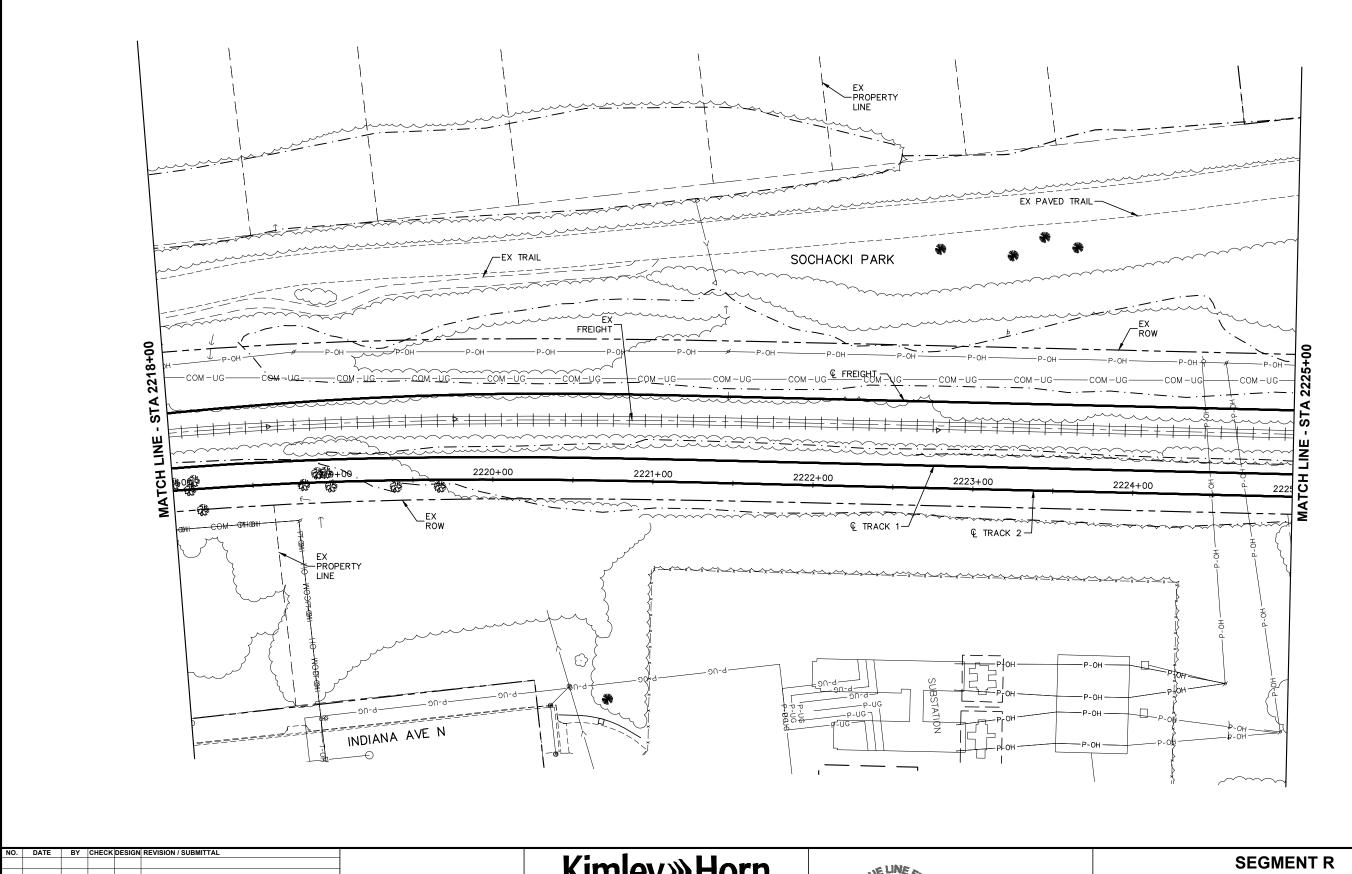


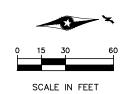
**RAIL CORRIDOR EXISTING CONDITIONS** 

STA 2211+00 TO STA 2218+00 R-EXCON-PLN-005 SURVEY

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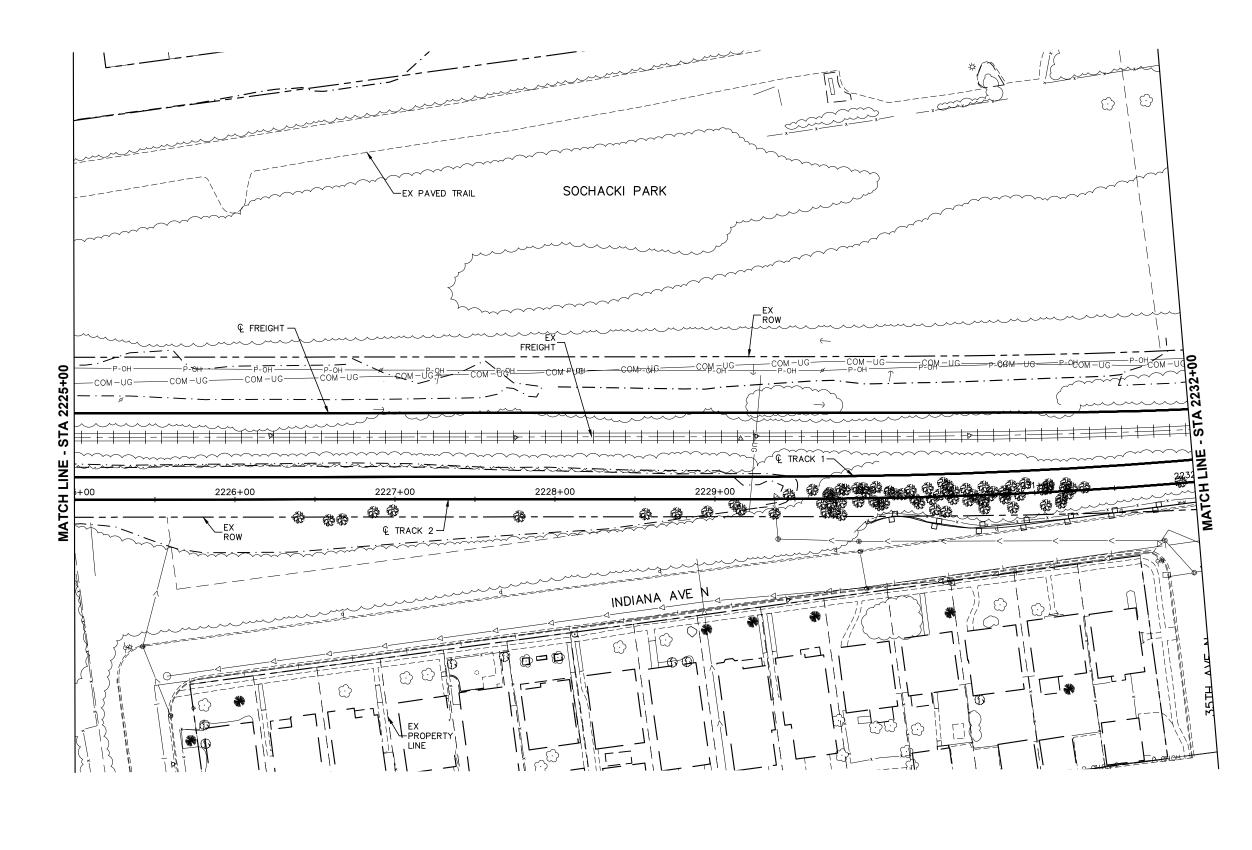
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SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2218+00 TO STA 2225+00

SCIPLINE:	SURVEY	SHEET NAME:	R-EXCON-PLN-006



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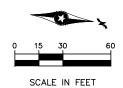




SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2225+00 TO STA 2232+00

SURVEY	R-EXCON-PLN-007





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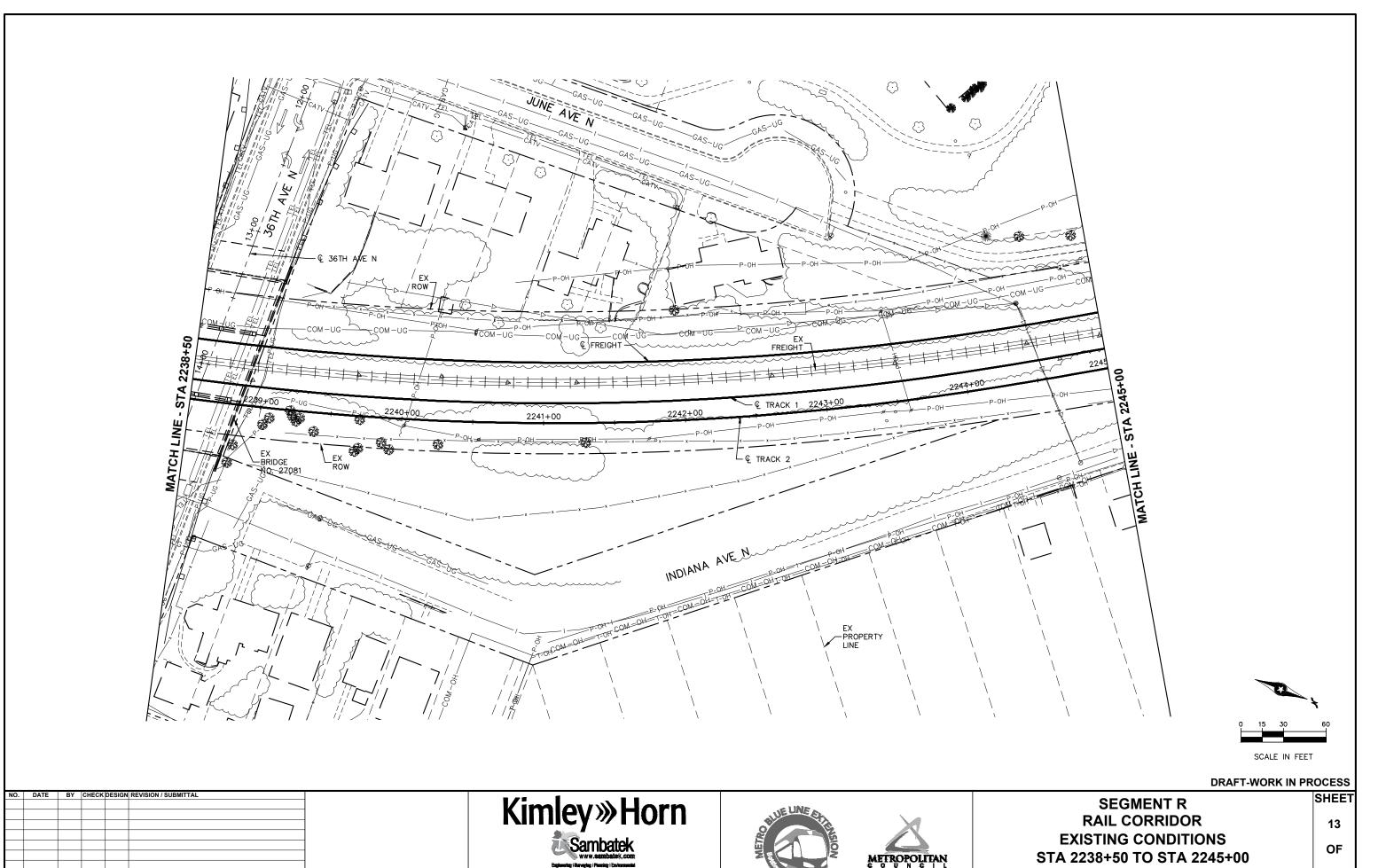
MUNICIPAL CONSENT



SEGMENT R
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2232+00 TO STA 2238+50

SURVEY

SHEET NAME: R-EXCON-PLN-008



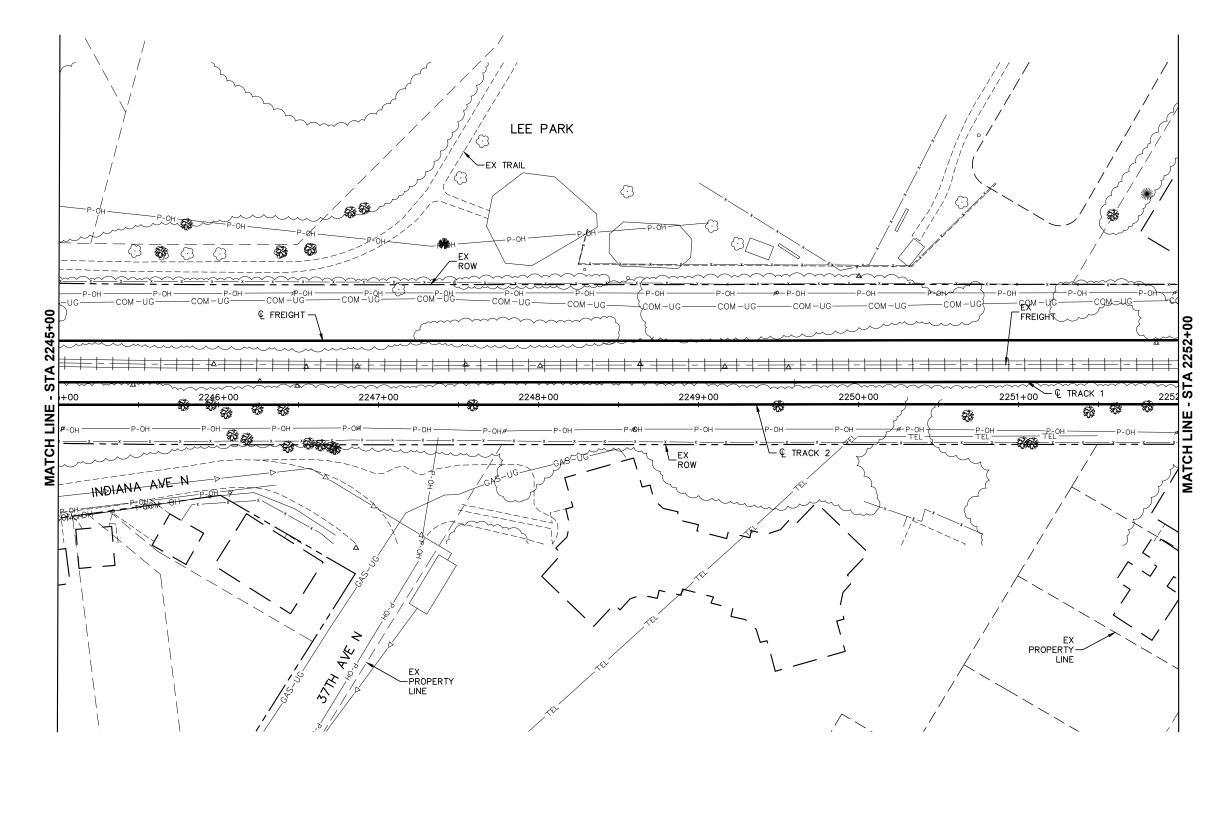
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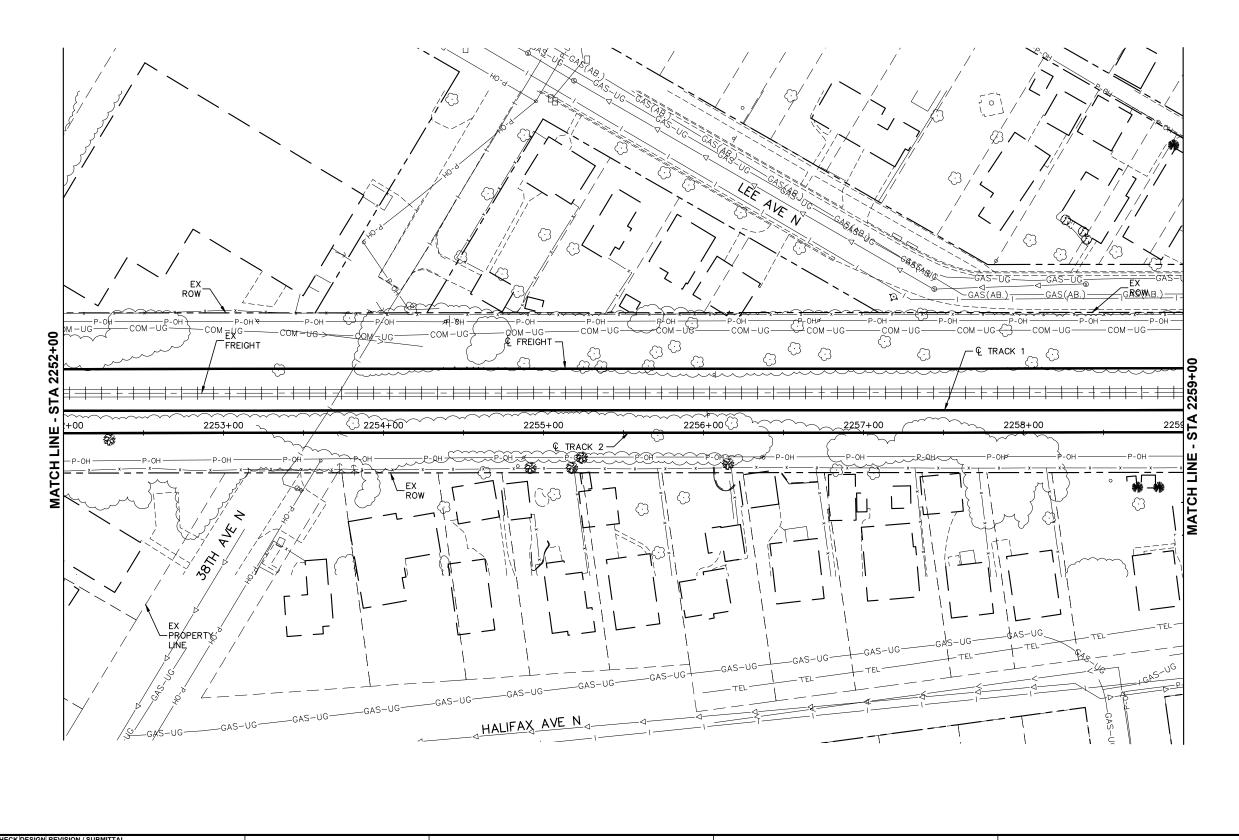


SEGMENT R		
RAIL CORRIDOR		
<b>EXISTING CONDITIONS</b>		
STA 2245+00 TO STA 2252+00		

SURVEY

SHEET NAME:

R-EXCON-PLN-010



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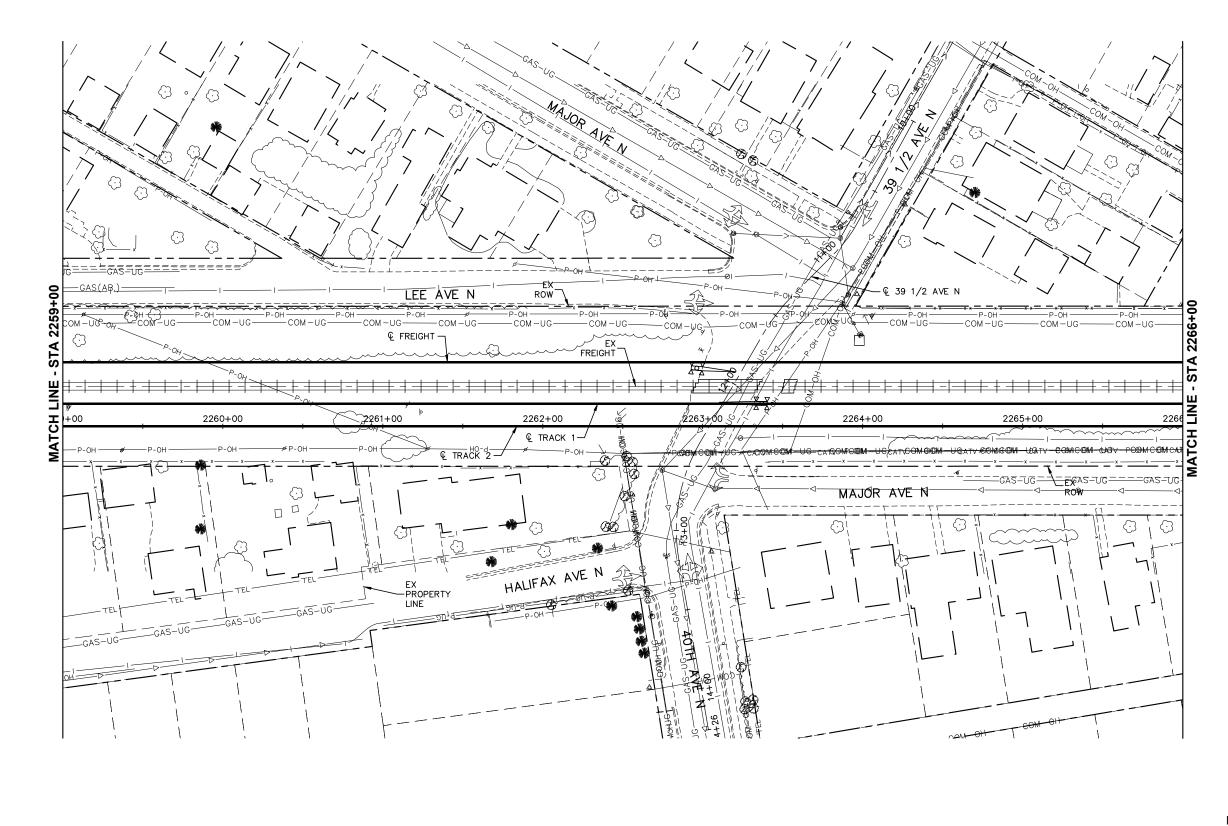
Equator | Sample | Barage | Bar





SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2252+00 TO STA 2259+00

SURVEY	R-EXCON-PLN-011



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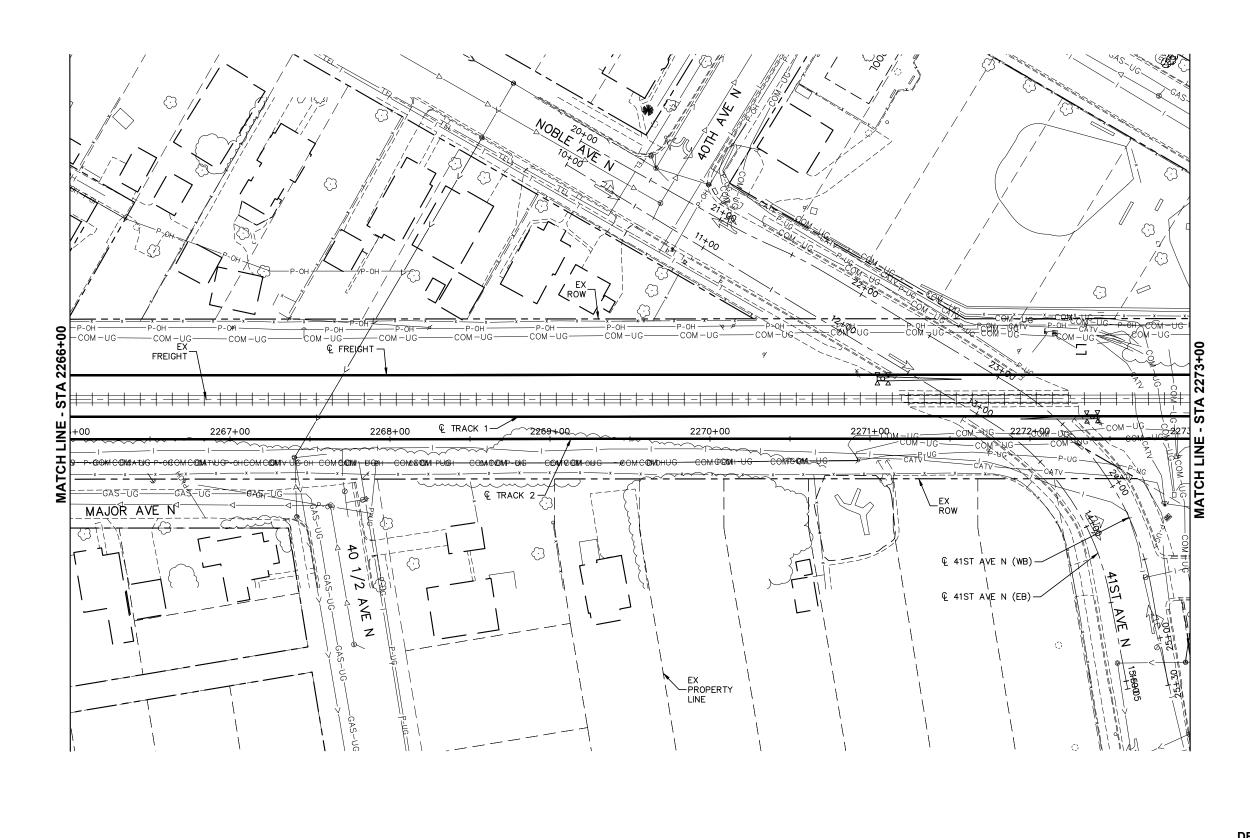
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SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2259+00 TO STA 2266+00

DISCIPLINE:	SURVEY	SHEET NAME:	R-EXCON-PLN-012



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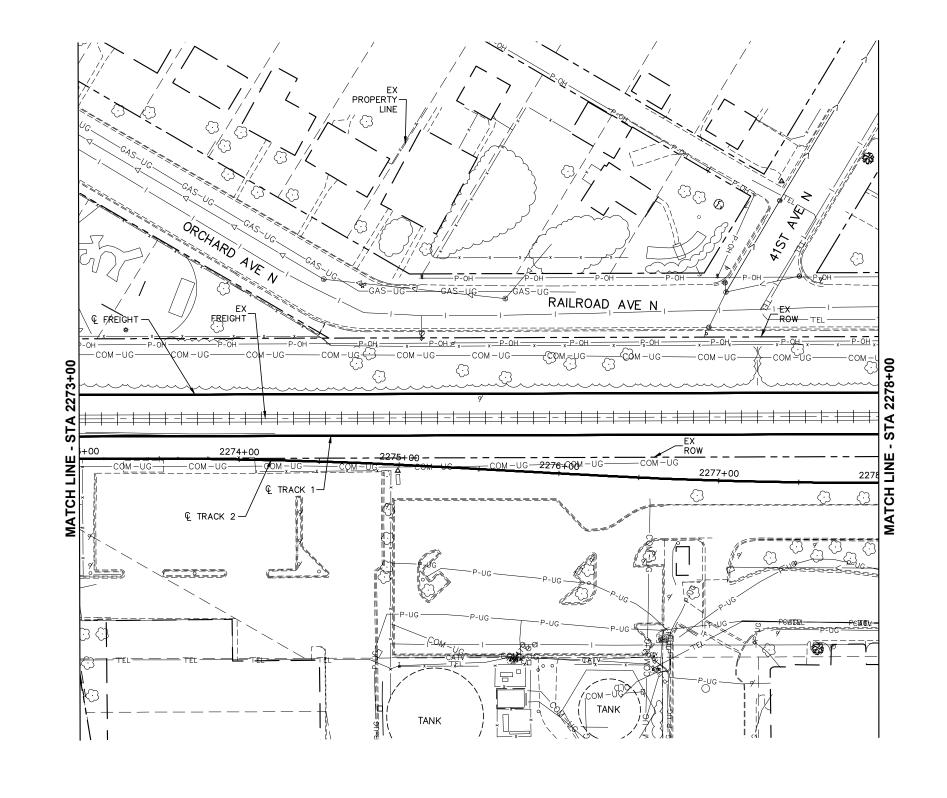
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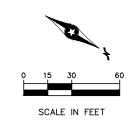




SEGMENT R
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2266+00 TO STA 2273+00

SURVEY
SHEET NAME:
R-EXCON-PLN-013





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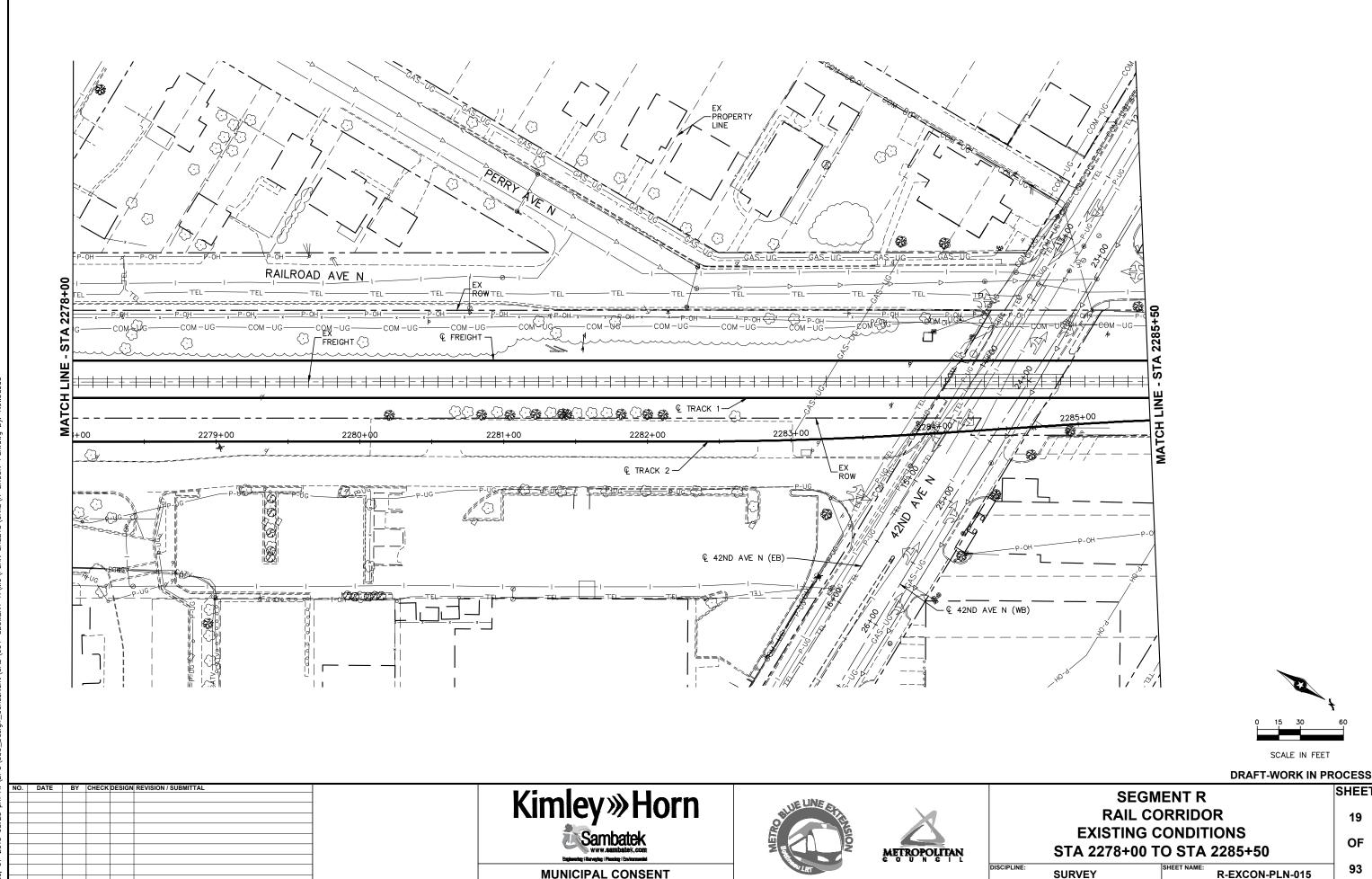
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SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2273+00 TO STA 2278+00

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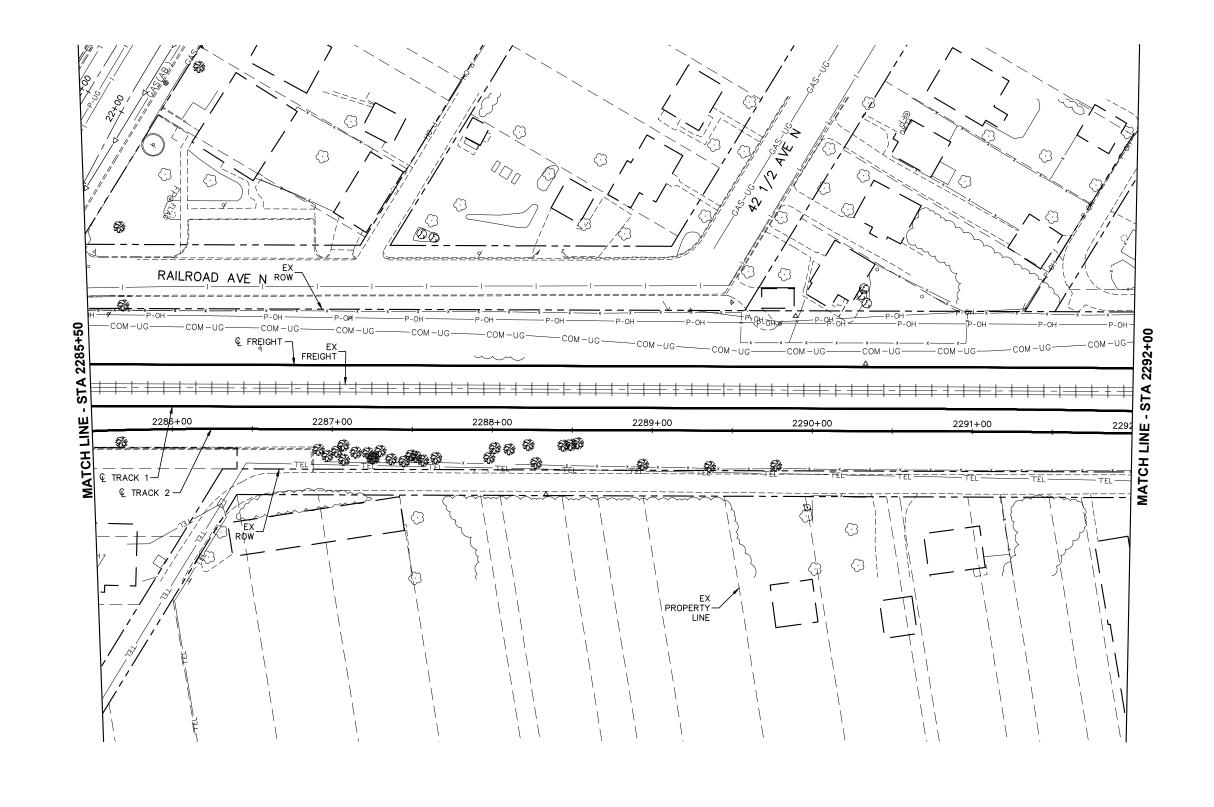
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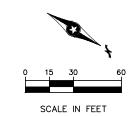
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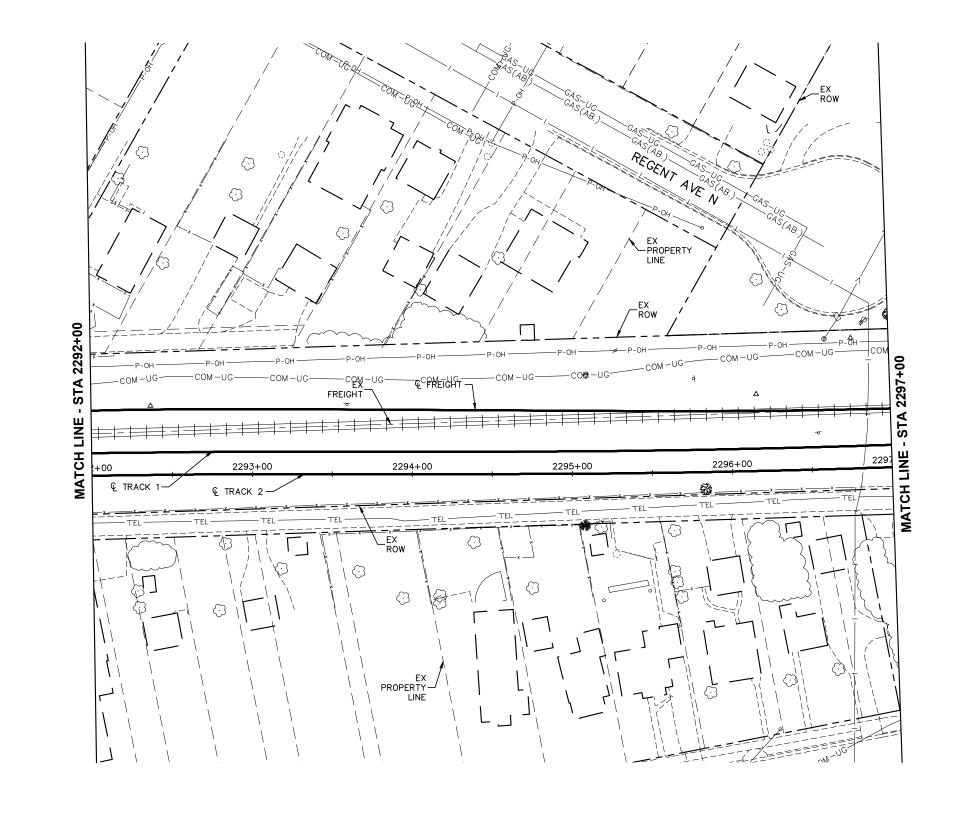


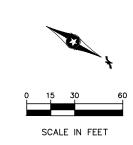


SEGMENT R
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2285+50 TO STA 2292+00

SURVEY

SHEET NAME:
R-EXCON-PLN-016





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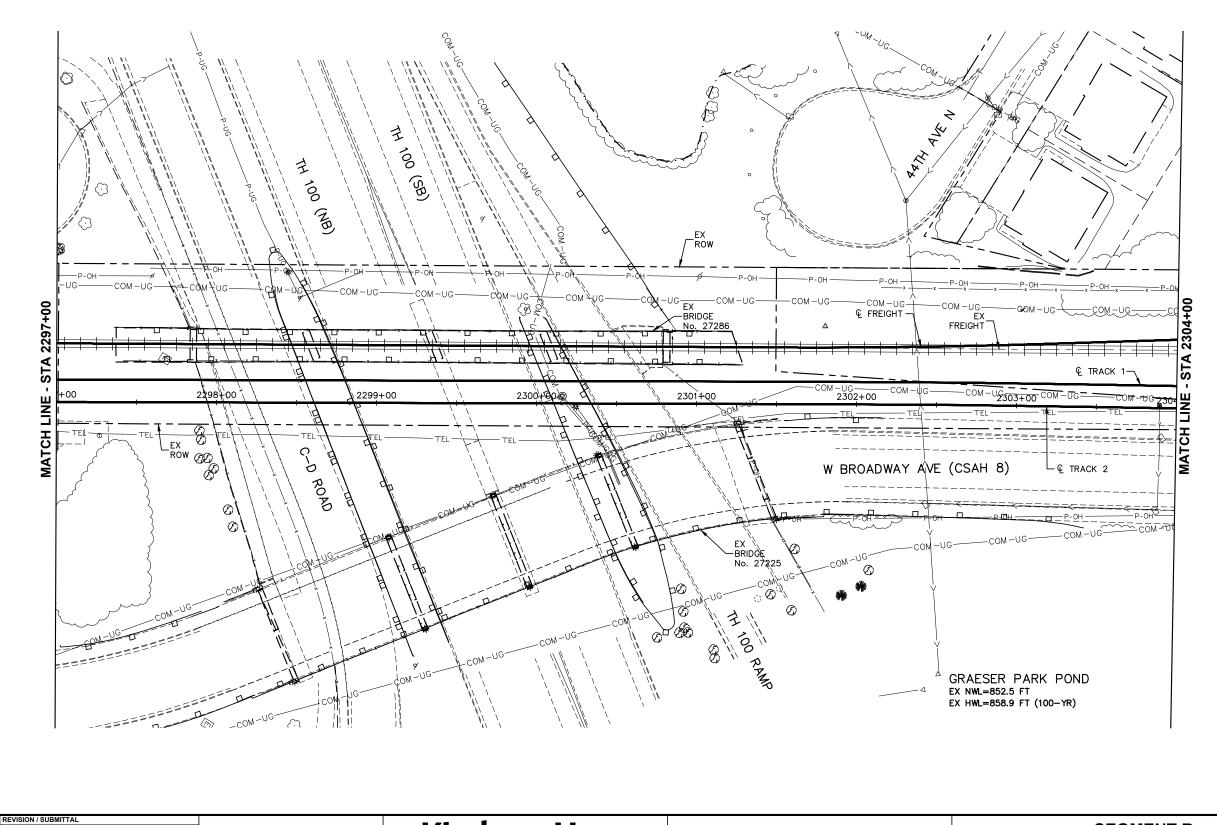




SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2292+00 TO STA 2297+00

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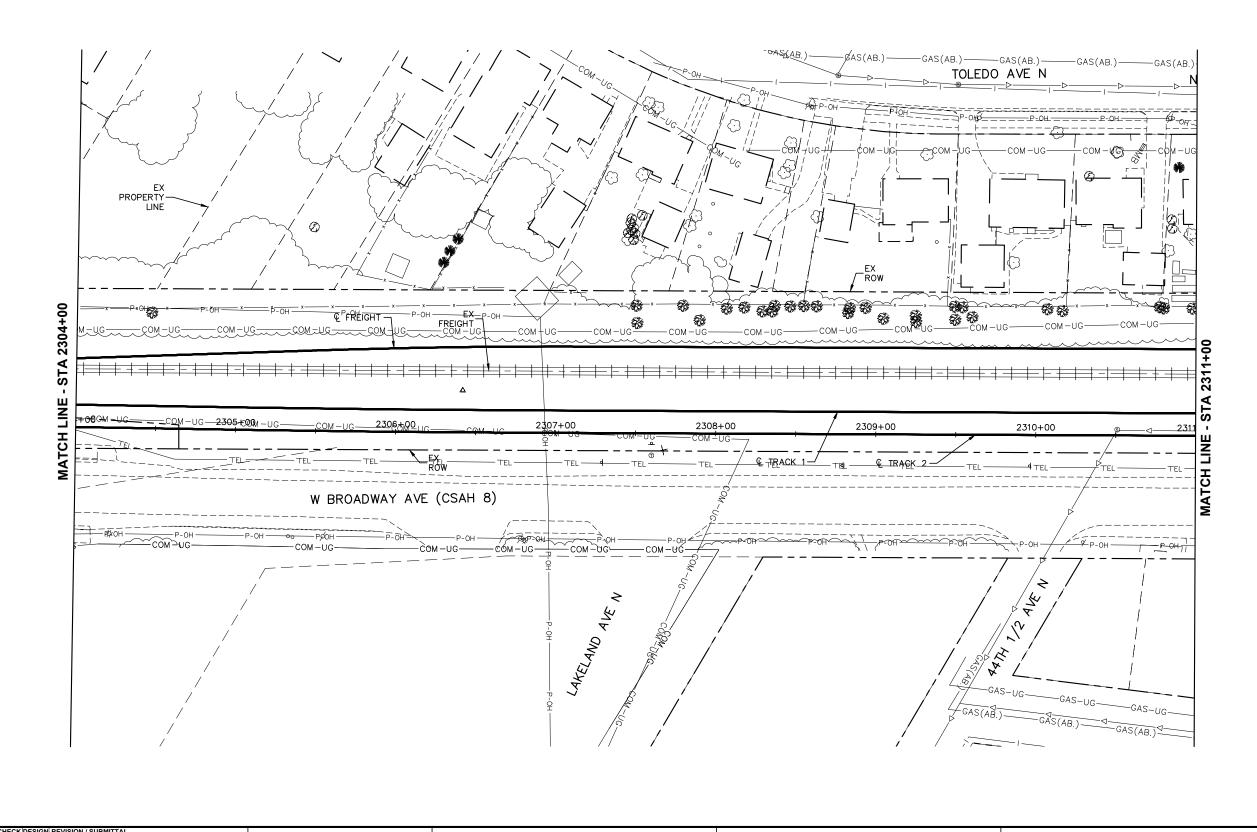
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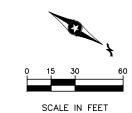




SEGMENT R
RAIL CORRIDOR
EXISTING CONDITIONS
STA 2297+00 TO STA 2304+00

SURVEY SHEET NAME: R-EXCON-PLN-018





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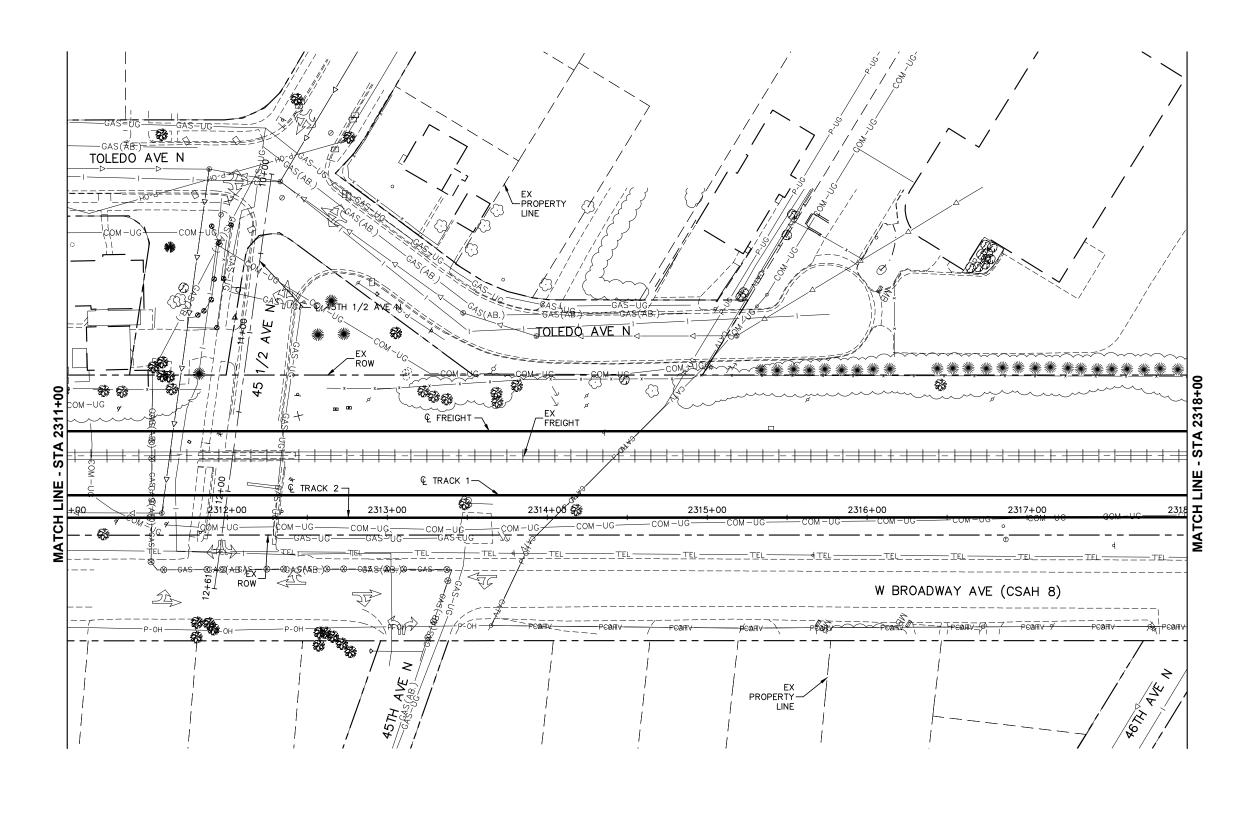
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**SEGMENT R RAIL CORRIDOR EXISTING CONDITIONS** STA 2304+00 TO STA 2311+00

R-EXCON-PLN-019 SURVEY



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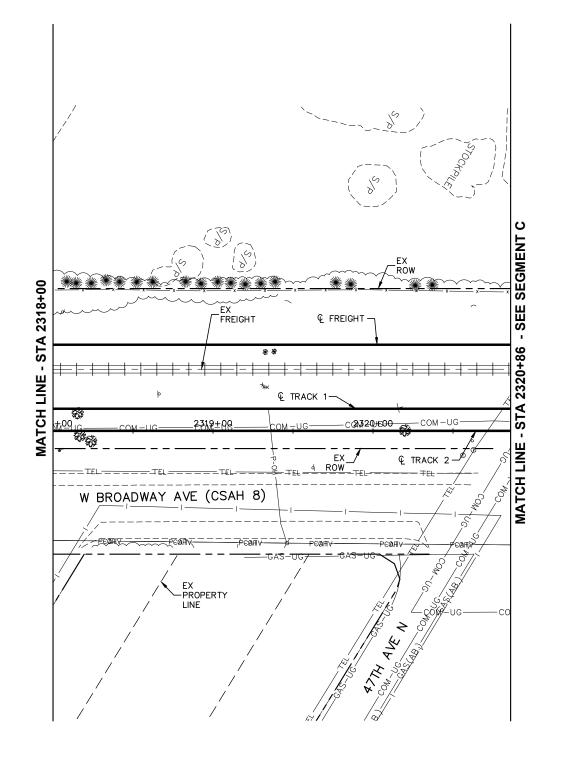


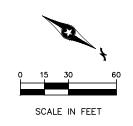


**SEGMENT R RAIL CORRIDOR EXISTING CONDITIONS** STA 2311+00 TO STA 2318+00

SURVEY

OF R-EXCON-PLN-020





DRAFT-WORK IN PROCESS
SHEET

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MUNICIPAL CONSENT



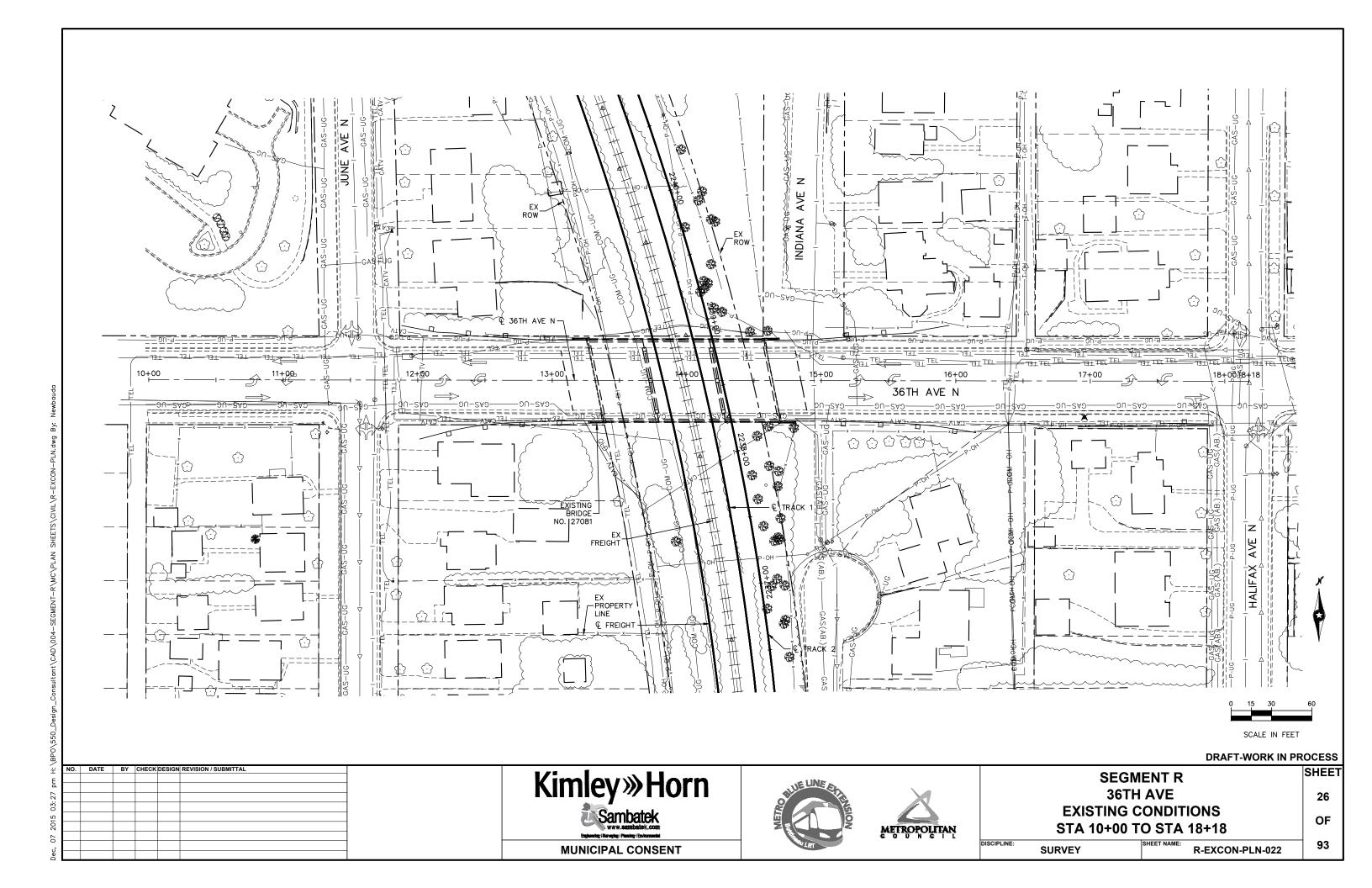


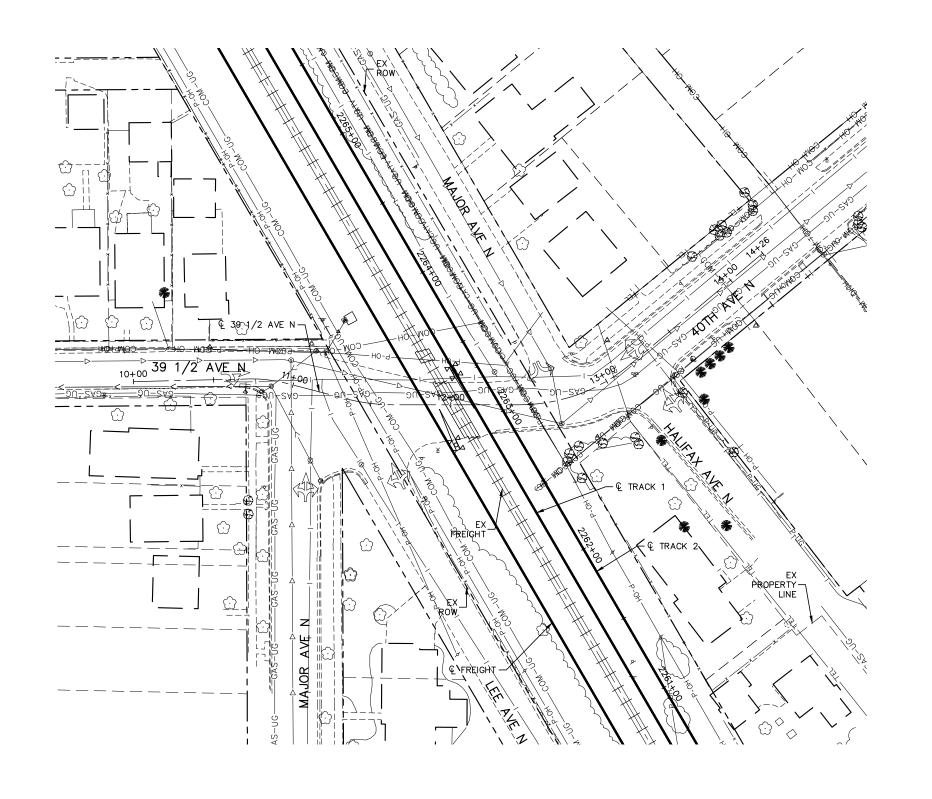
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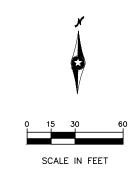
SURVEY

SEGMENT R
RAIL CORRIDOR
<b>EXISTING CONDITIONS</b>
STA 2318+00 TO STA 2320+86

318+00 T	O STA	2320+86
	SHEET NAME:	R-EXCON-PLN-021







**DRAFT-WORK IN PROCESS** SHEET

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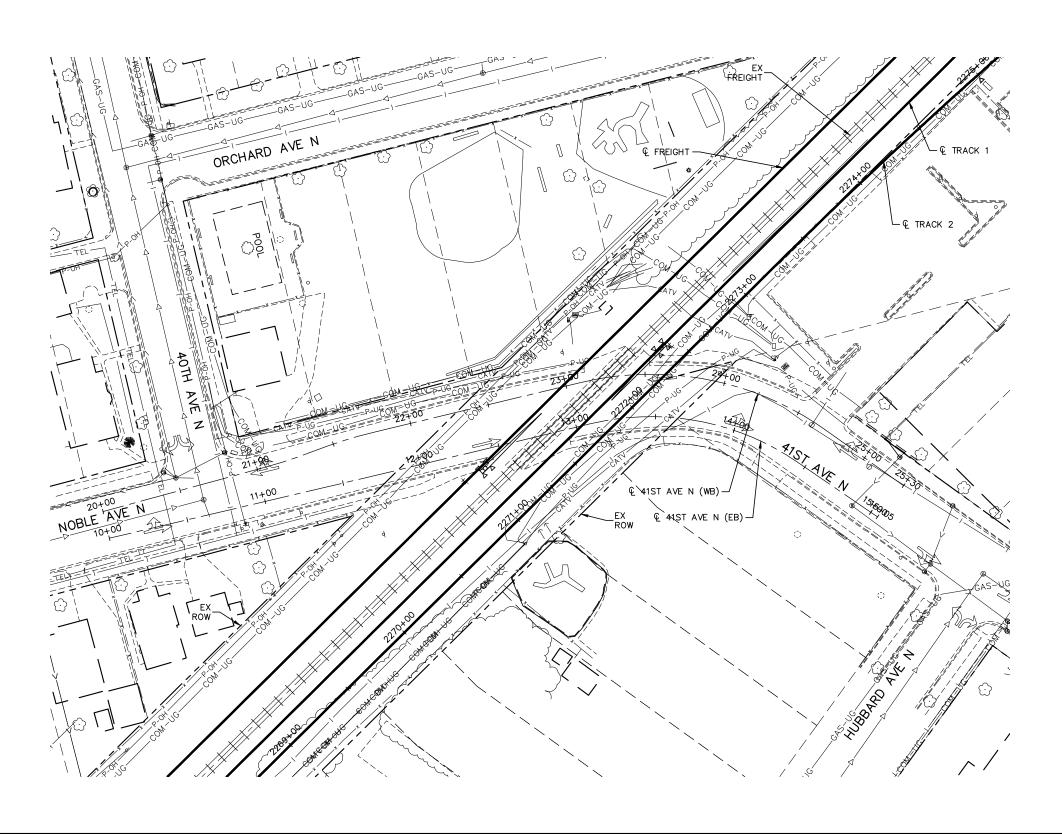




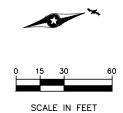
**SEGMENT R 39TH 1/2 AVE N EXISTING CONDITIONS** STA 10+00 TO STA 14+26

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R-EXCON-PLN-023 SURVEY



**MUNICIPAL CONSENT** 



**DRAFT-WORK IN PROCESS** 

SHEET

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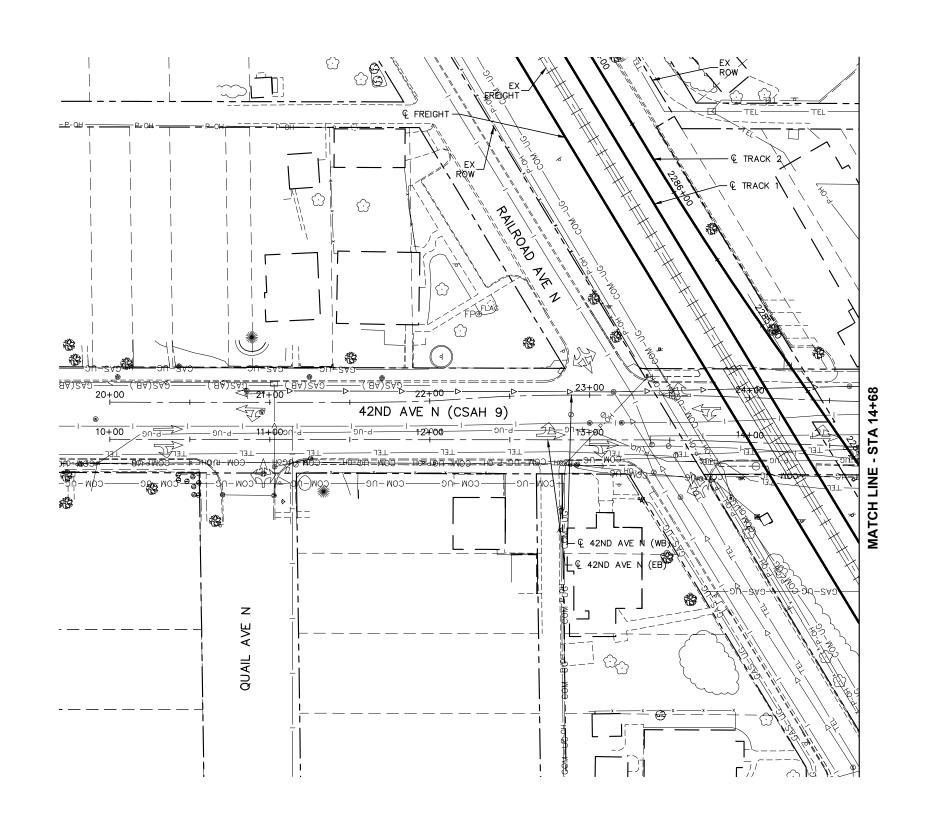


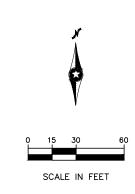


**SEGMENT R NOBLE AVE N / 41ST AVE N EXISTING CONDITIONS** 

28 OF STA 10+00 TO STA 15+05

R-EXCON-PLN-024 SURVEY





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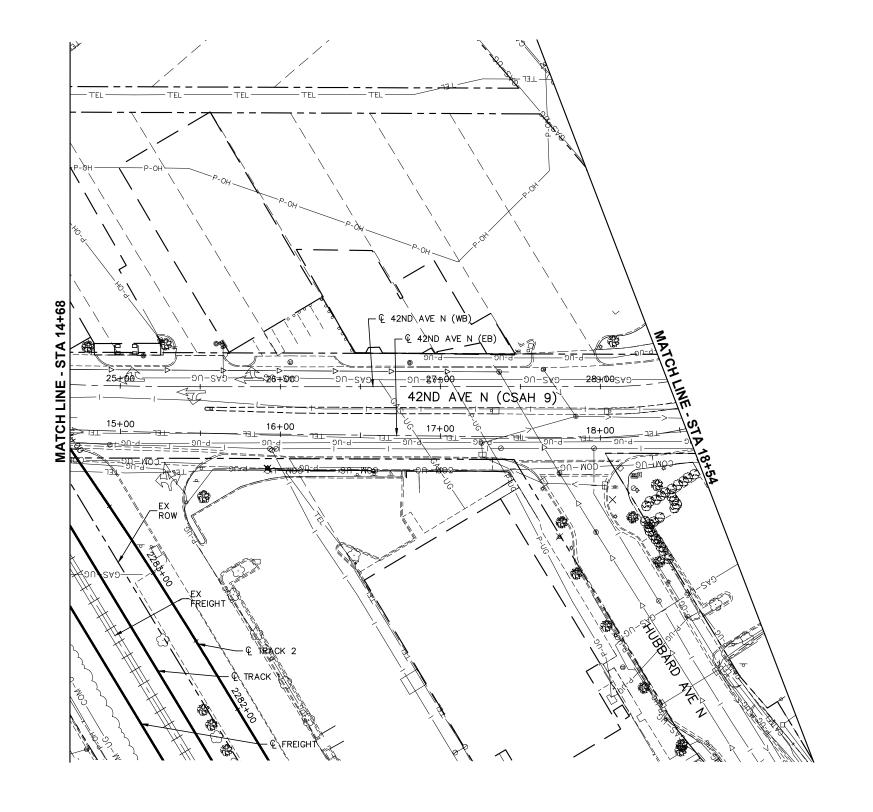
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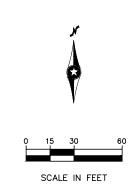
SEGMENT R
42ND AVE
<b>EXISTING CONDITIONS</b>
STA 10+00 TO STA 14+68

SURVEY

EXISTING CONDITIONS
STA 10+00 TO STA 14+68

R-EXCON-PLN-025





SHEET

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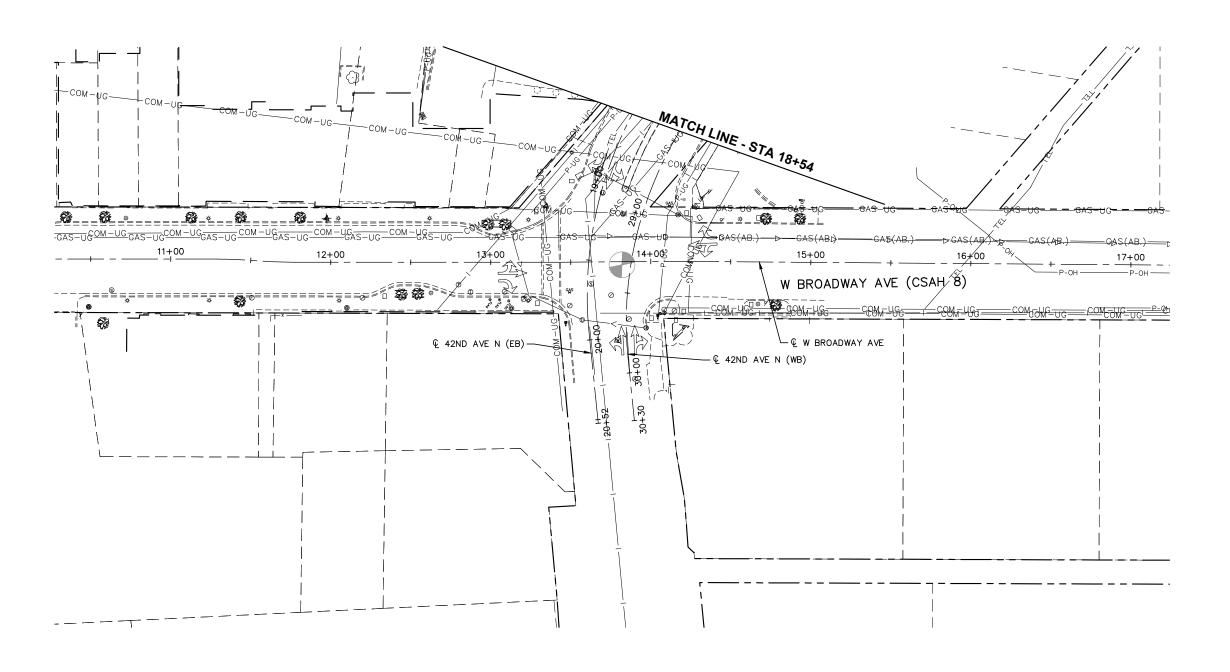


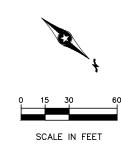


SEGMENT R
42ND AVE
<b>EXISTING CONDITIONS</b>
STA 1/1+68 TO STA 18+5/

R-EXCON-PLN-026 SURVEY

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**Kimley** Whorn



**MUNICIPAL CONSENT** 



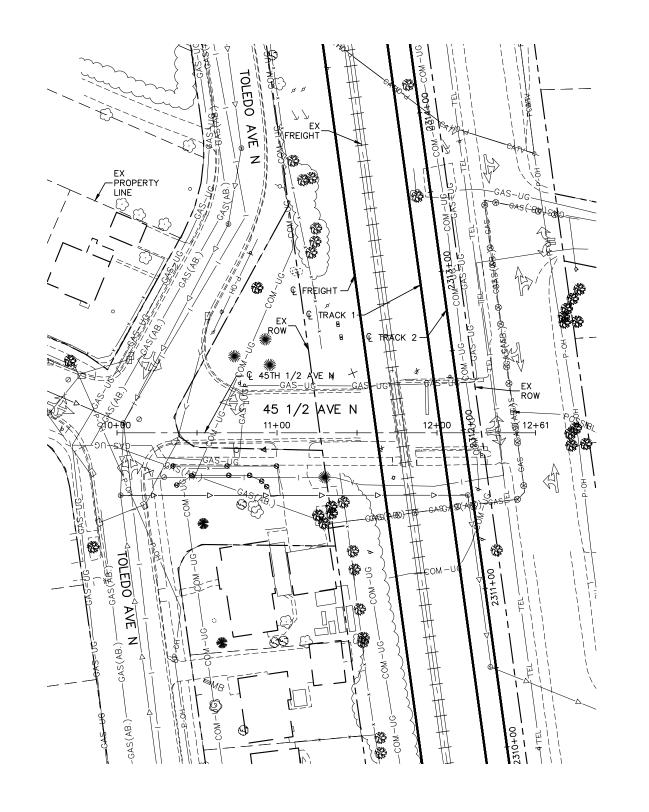


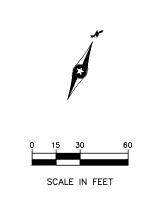
SEGMENT R W BROADWAY AVE (CSAH 8) **EXISTING CONDITIONS** 

SURVEY

STA 10+00 TO STA 17+24

R-EXCON-PLN-027





**DRAFT-WORK IN PROCESS** SHEET

32

NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL

Kimley» Horn

Sambatek www.sambatek.com





SEGMENT R
45TH 1/2 AVE
<b>EXISTING CONDITIONS</b>
STA 10+00 TO STA 12+61

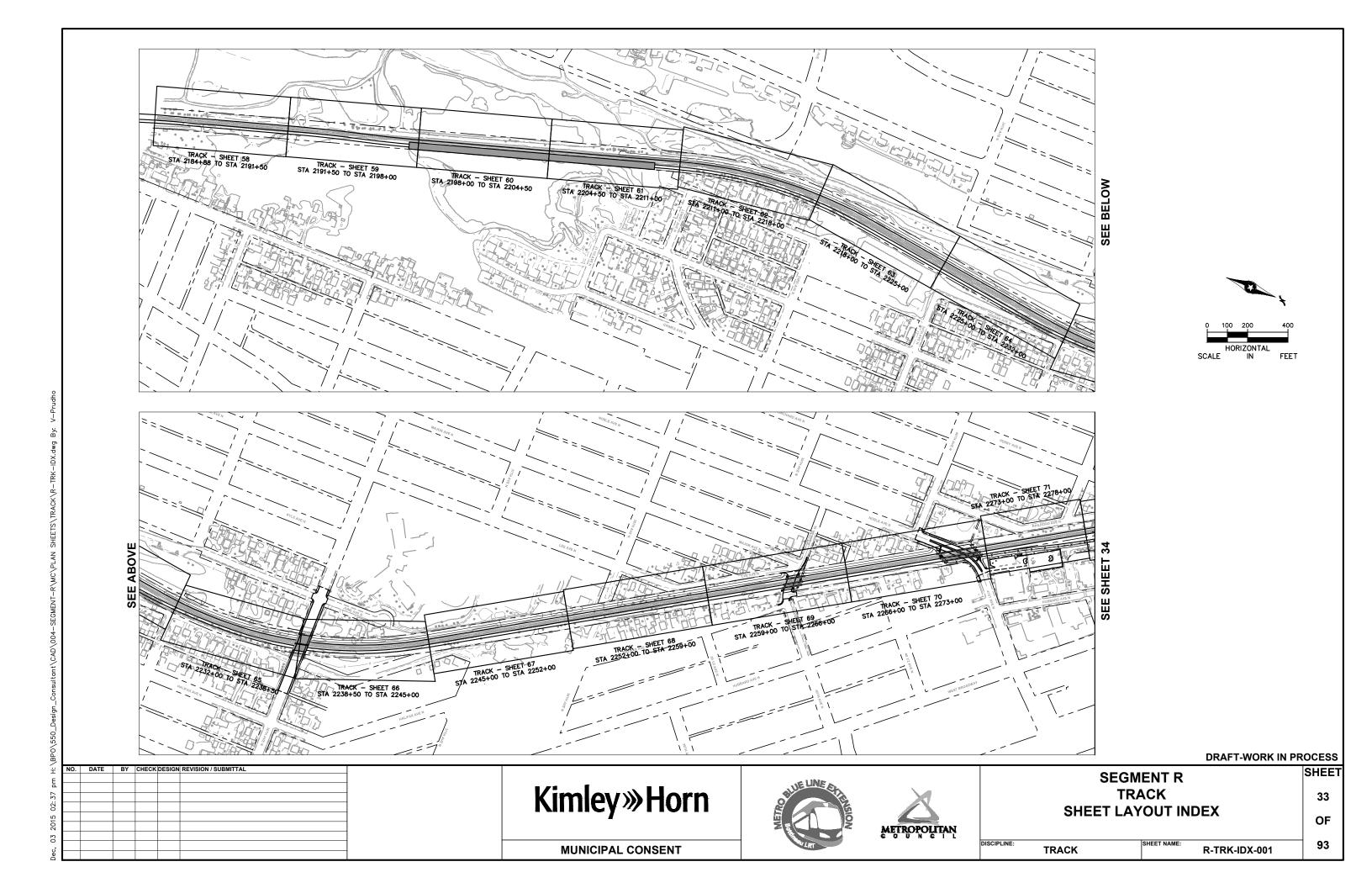
OF 93

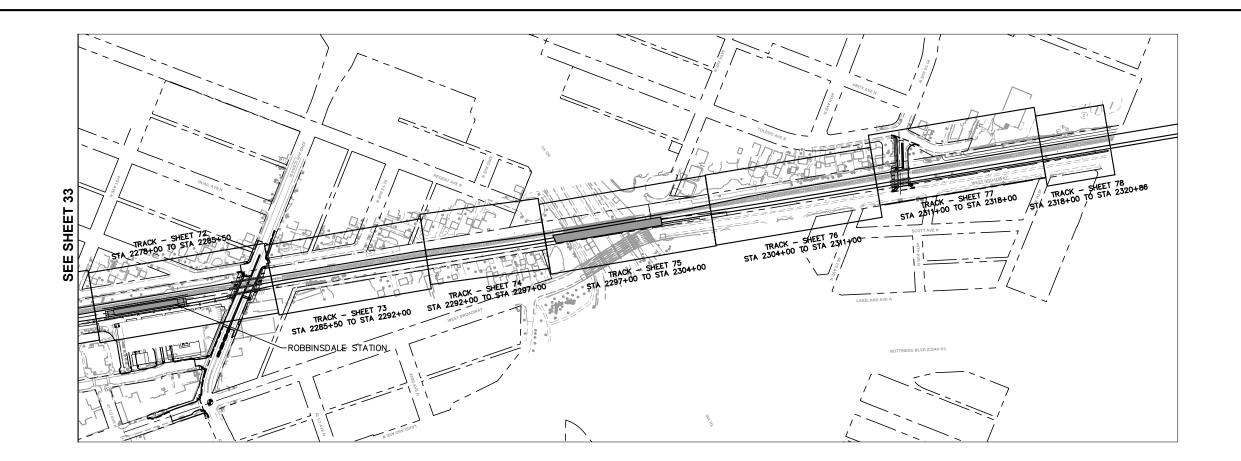
**MUNICIPAL CONSENT** 

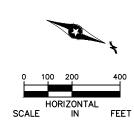
SURVEY

DISCIPLINE:

R-EXCON-PLN-028







**Kimley** »Horn

MUNICIPAL CONSENT





SEGMENT R
TRACK
SHEET LAYOUT INDEX

34 OF

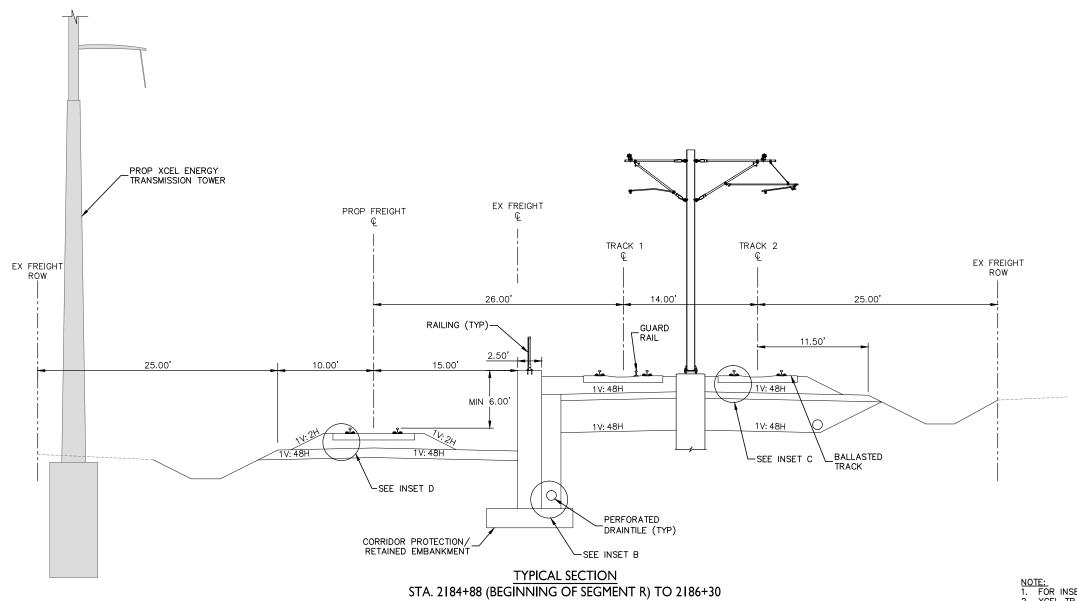
SHEET

93

TRACK

SHEET NAME:

R-TRK-IDX-002



NOTE:
1. FOR INSETS, SEE SHEET 57
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** SHEET

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						Kimley»Horn
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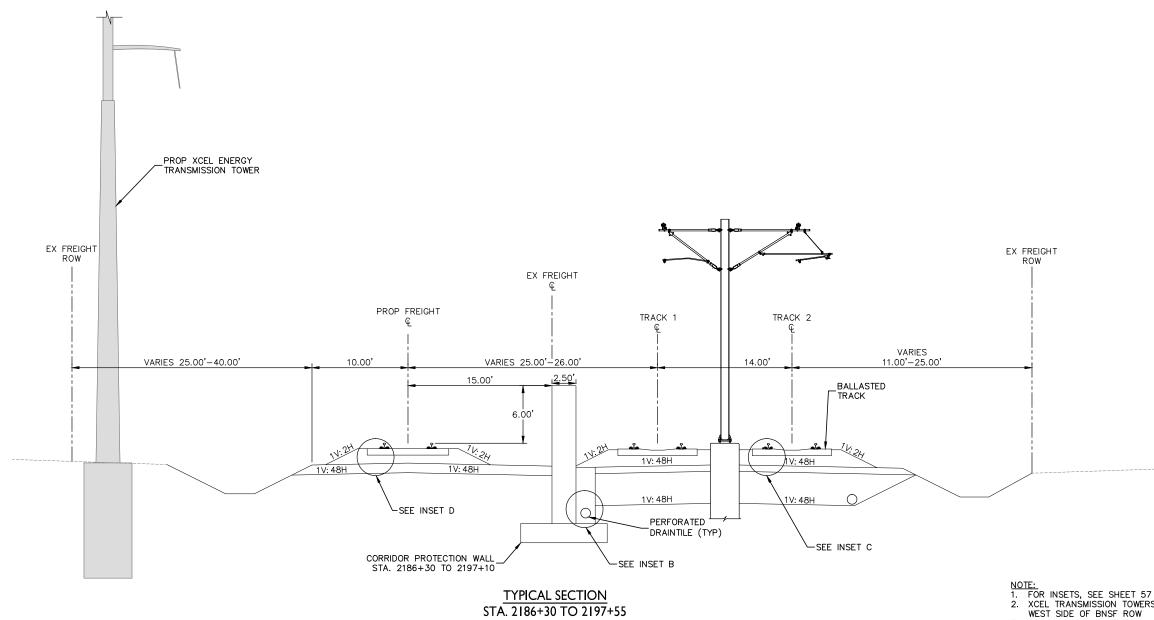


<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

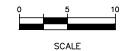
OF 93

35

DISCIPLINE: **TRACK** R-TRK-TYPS-001



NOTE:
1. FOR INSETS, SEE SHEET 57
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** SHEET

36

93

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	
						Kimley»Horn
						WSP PARSONS BRINCKERHOFF
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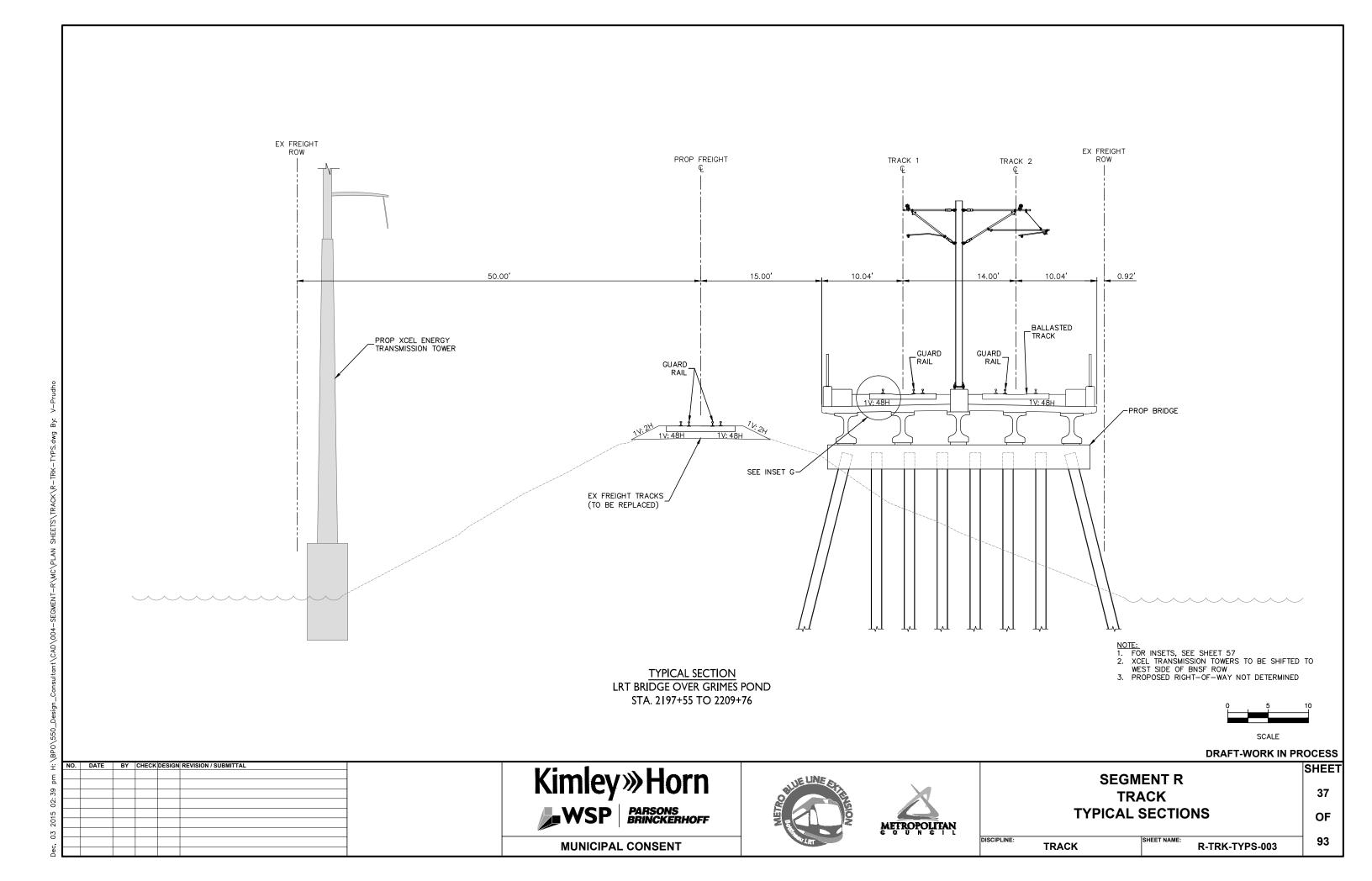


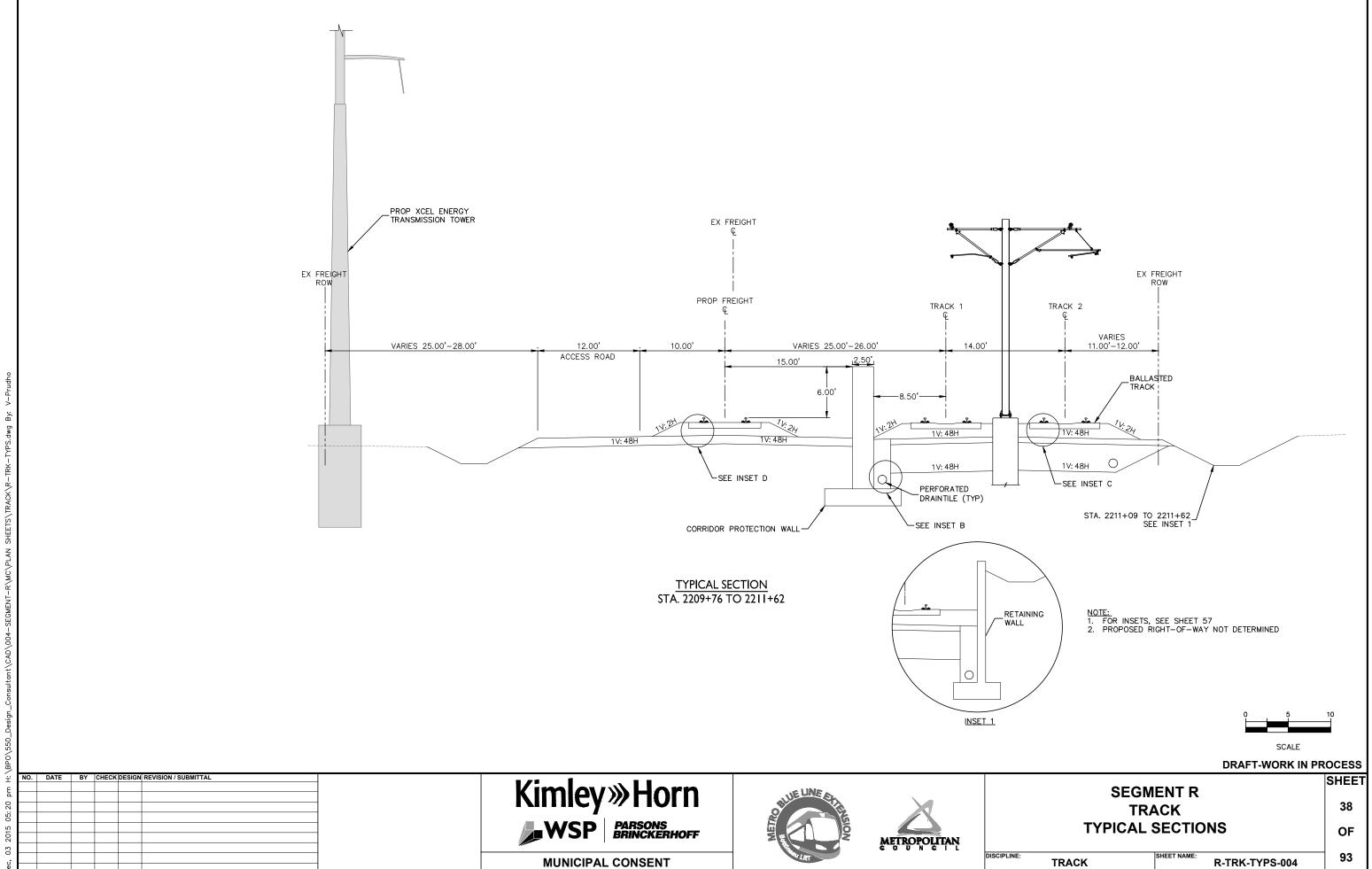
DISCIPLINE:

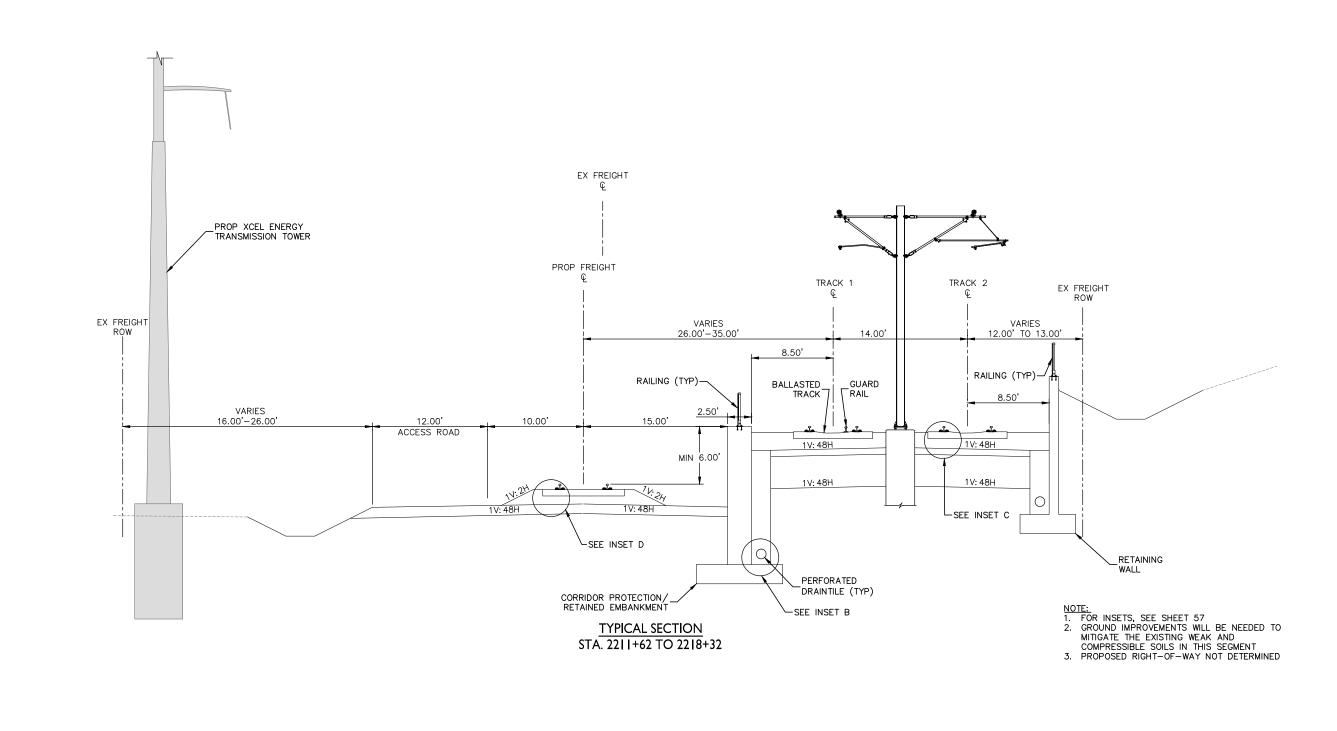
**TRACK** 

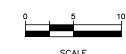
<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

OF R-TRK-TYPS-002









**DRAFT-WORK IN PROCESS** SHEET

39

OF

93

NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL Kimley»Horn MUNICIPAL CONSENT

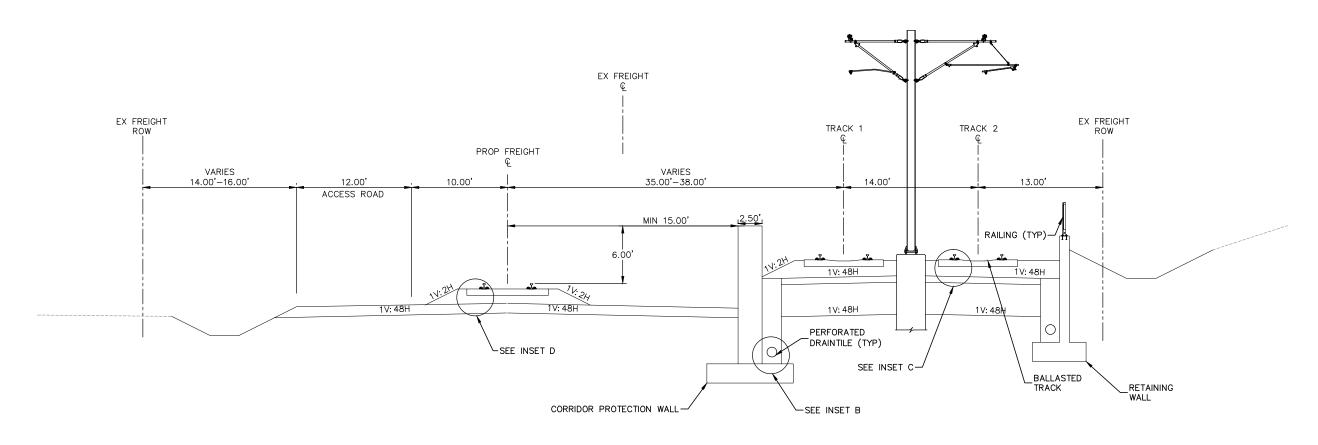






SEGMENT R
TRACK
TYPICAL SECTIONS

DISCIPLINE: TRACK	SHEET NAME: R-TRK-TYPS-005
INACK	K-11KK-11F 3-003



TYPICAL SECTION STA. 2218+32 TO 2219+29

NOTE:
1. FOR INSETS, SEE SHEET 57
2. GROUNDI IMPROVEMENTS WILL BE NEEDED TO MITIGATE THE EXISTING WEAK AND COMPRESSIBLE SOILS IN THIS SEGMENT
3. PROPOSED RIGHT—OF—WAY NOT DETERMINED



**DRAFT-WORK IN PROCESS** SHEET

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

Kimley»Horn WSP PARSONS BRINCKERHOFF

MUNICIPAL CONSENT



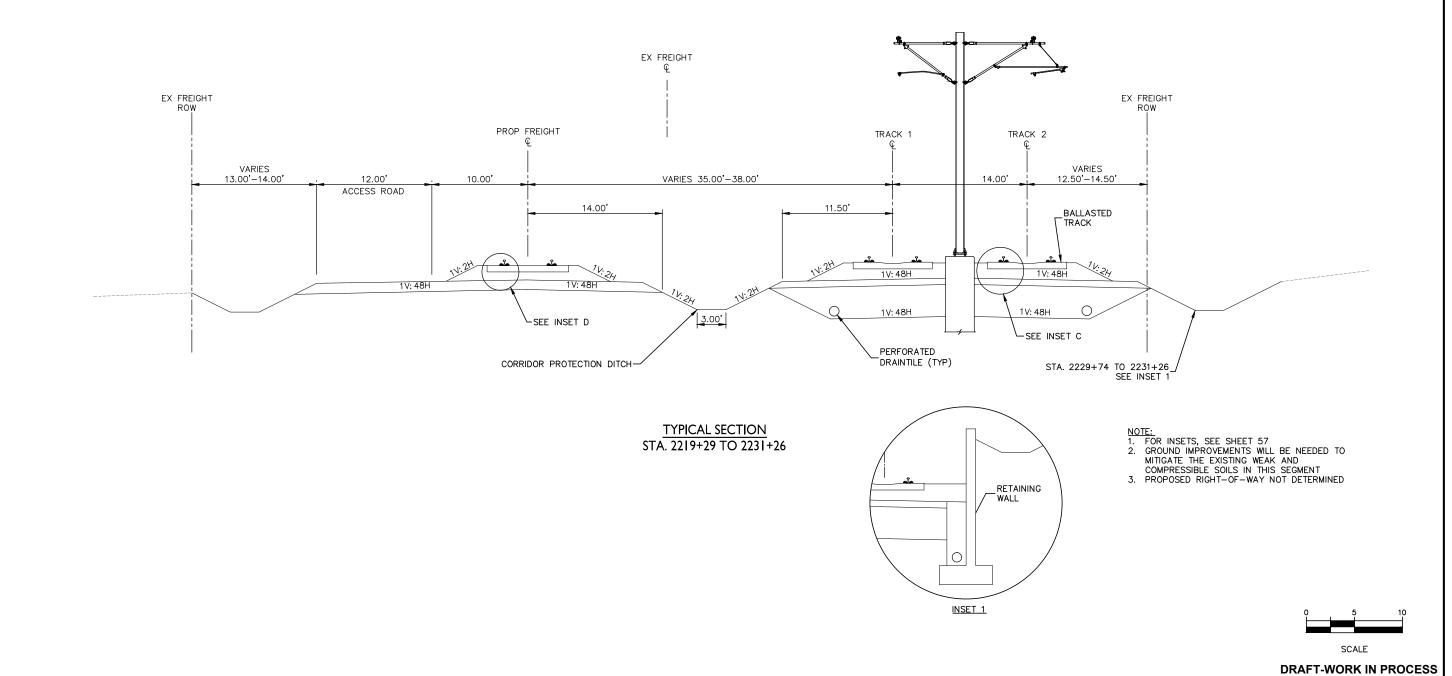


<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

OF 93

40

DISCIPLINE: **TRACK** R-TRK-TYPS-006



Kimley»Horn

WSP PARSONS BRINCKERHOFF

**MUNICIPAL CONSENT** 

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OF

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R-TRK-TYPS-007

SEGMENT R TRACK

**TYPICAL SECTIONS** 

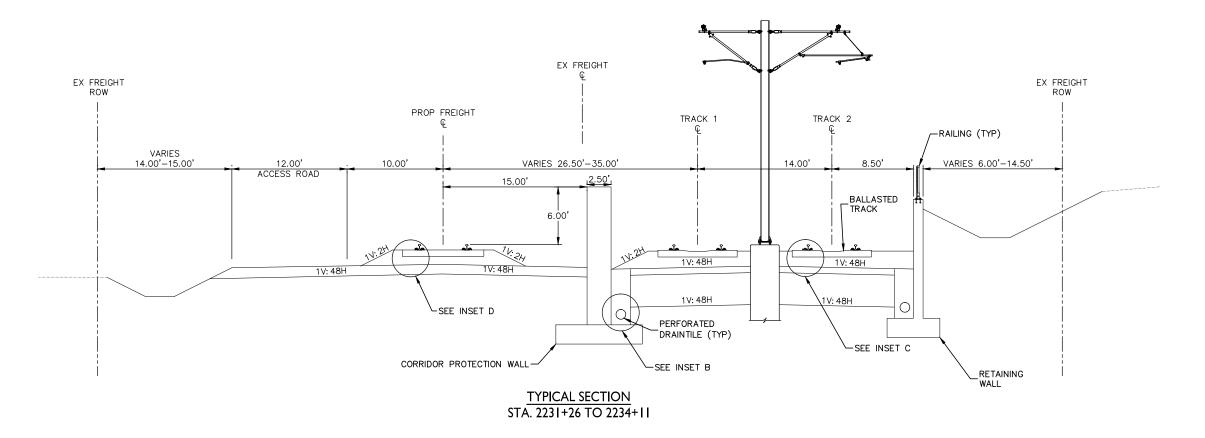
METROPOLITAN

DISCIPLINE:

**TRACK** 

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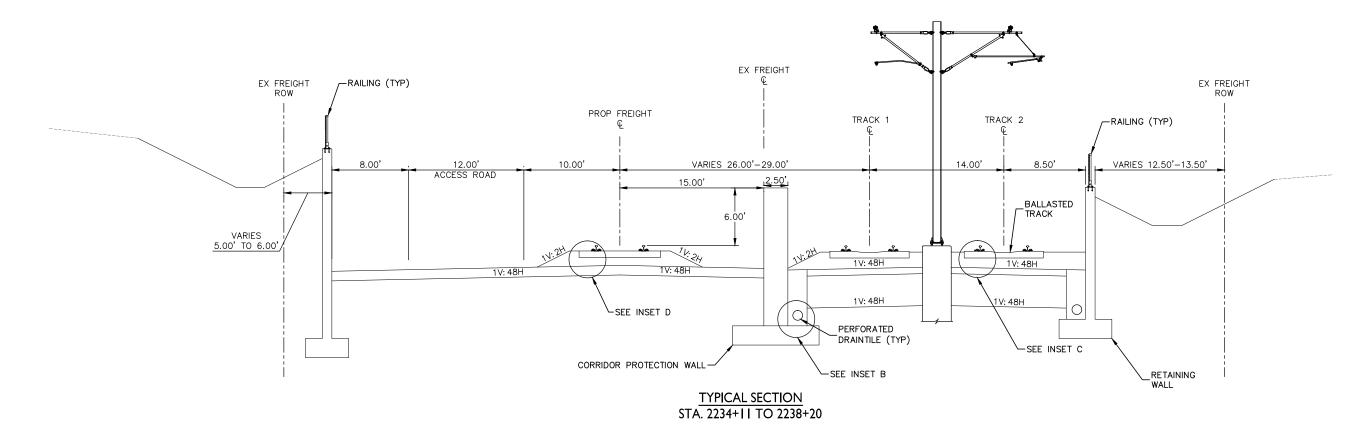


NOTE:
1. FOR INSETS, SEE SHEET 57
2. GROUND IMPROVEMENTS WILL BE NEEDED TO MITIGATE THE EXISTING WEAK AND COMPRESSIBLE SOILS IN THIS SEGMENT
3. PROPOSED RIGHT-OF-WAY NOT DETERMINED



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NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



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<b>SEGMENT R</b>	
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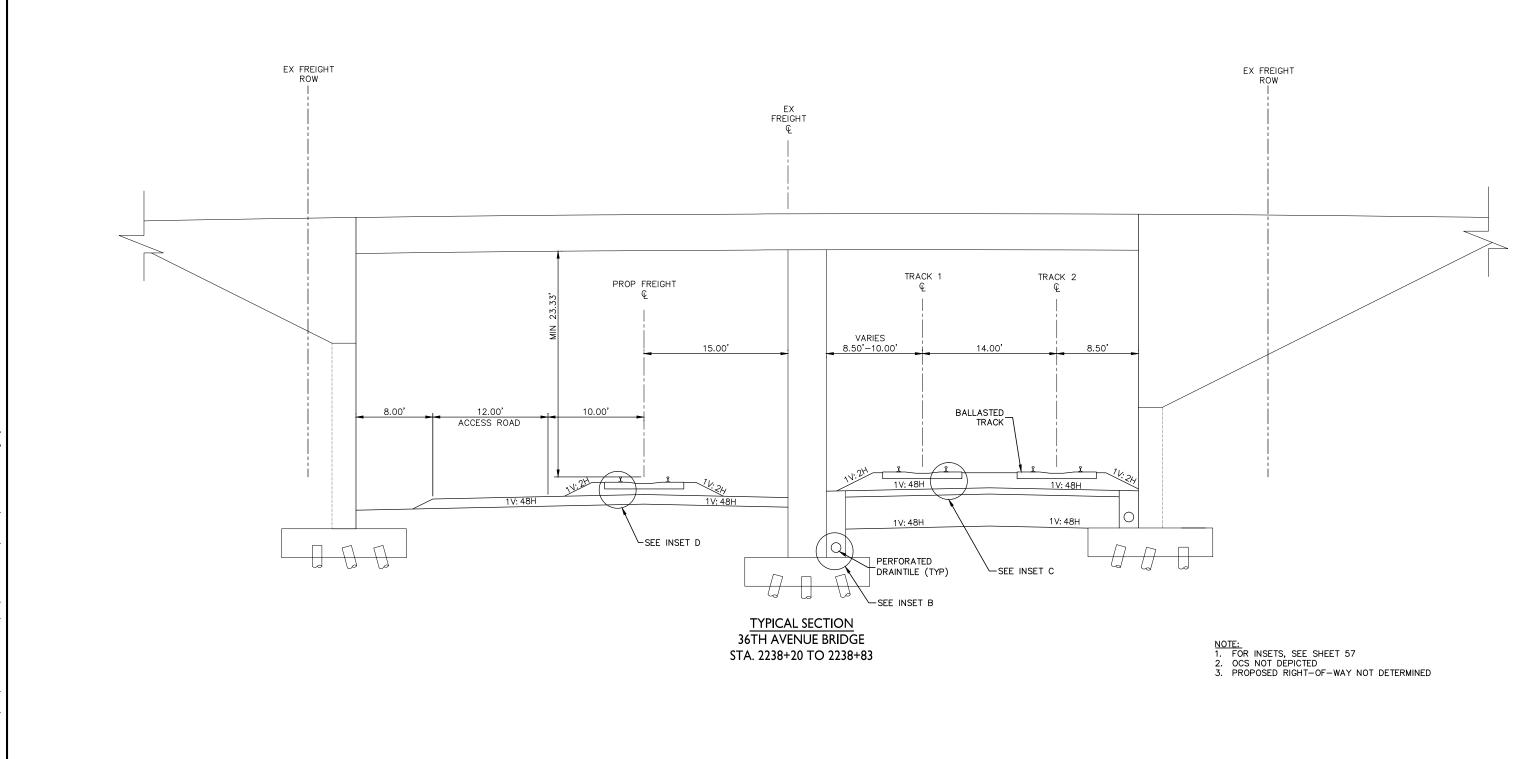
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MUNICIPAL CONSENT

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SHEET NAME:
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NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL

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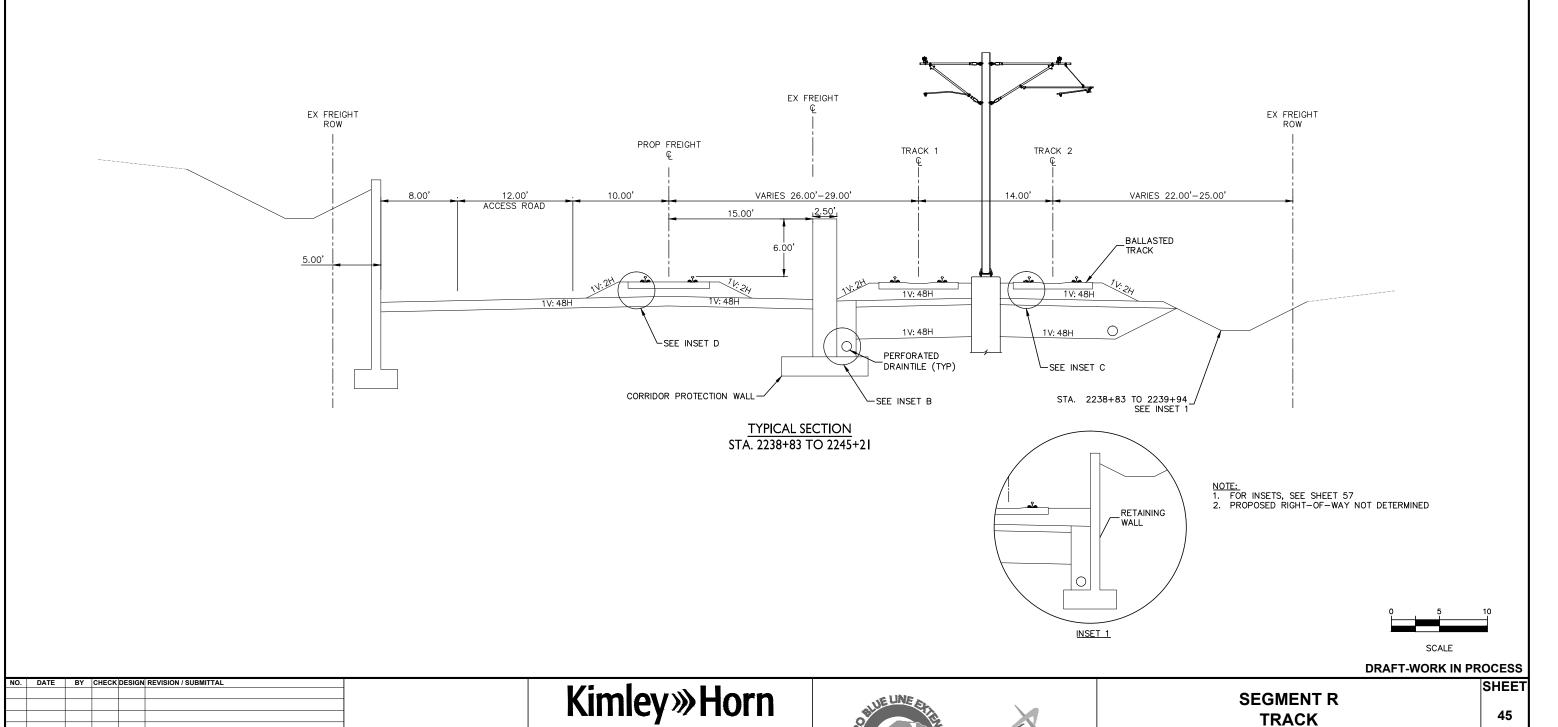
**MUNICIPAL CONSENT** 





<b>SEGMENT R</b>
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<b>TYPICAL SECTIONS</b>

TRACK SHEET NAME: R-TRK-TYPS-010



WSP PARSONS BRINCKERHOFF

MUNICIPAL CONSENT

**TRACK** 

**TYPICAL SECTIONS** 

METROPOLITAN

DISCIPLINE:

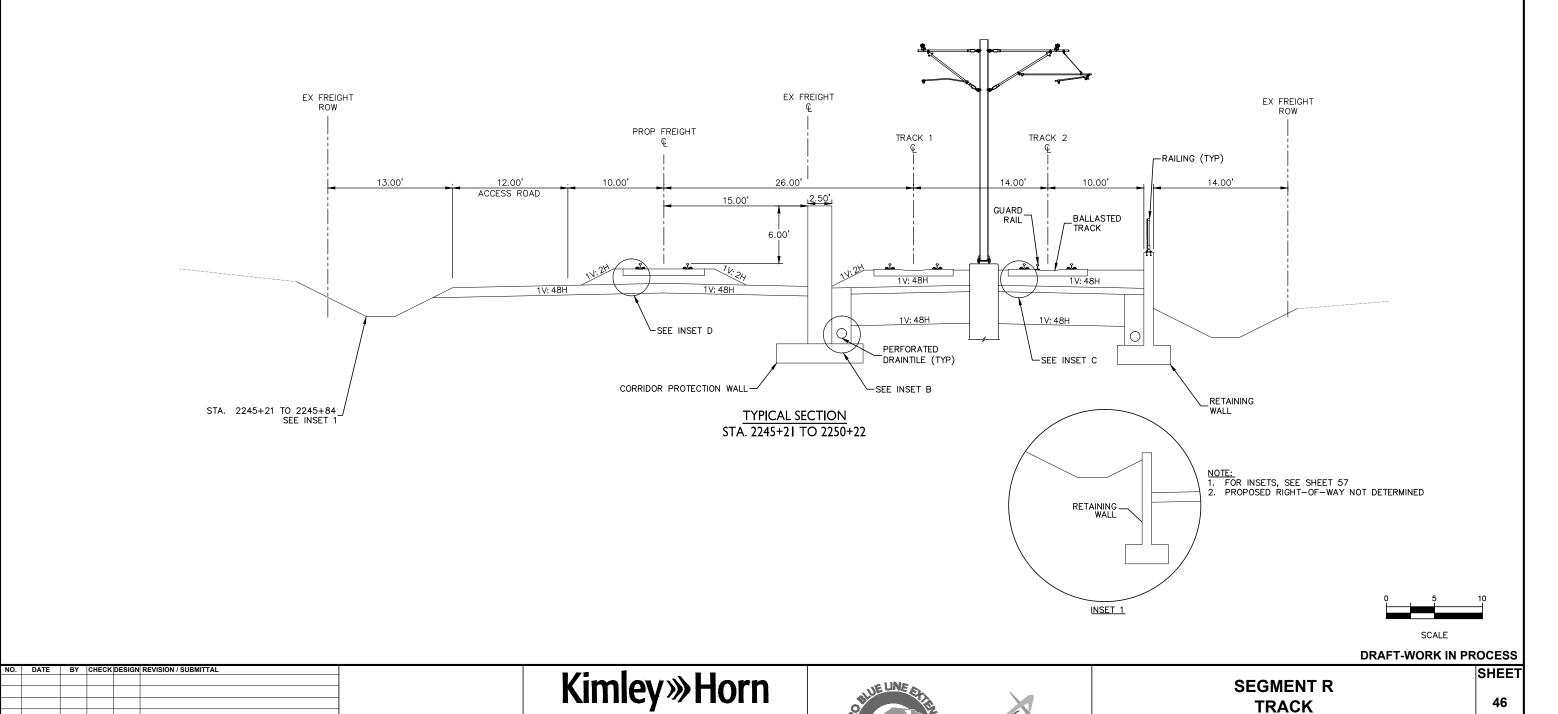
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R-TRK-TYPS-011



WSP PARSONS BRINCKERHOFF

**MUNICIPAL CONSENT** 

**TRACK** 

**TYPICAL SECTIONS** 

METROPOLITAN

DISCIPLINE:

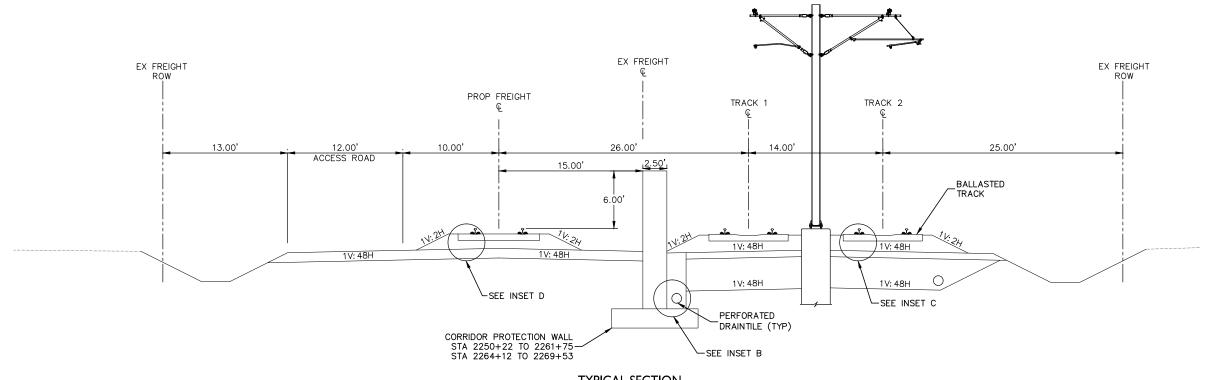
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46

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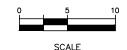
93

R-TRK-TYPS-012



<u>TYPICAL SECTION</u> STA. 2250+22 TO 2269+53

- NOTE:
  1. FOR INSETS, SEE SHEET 57
  2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
  3. LIMITS OF SECTION INCLUDE AT-GRADE
  CROSSINGS THAT ARE NOT DEPICTED



**DRAFT-WORK IN PROCESS** SHEET

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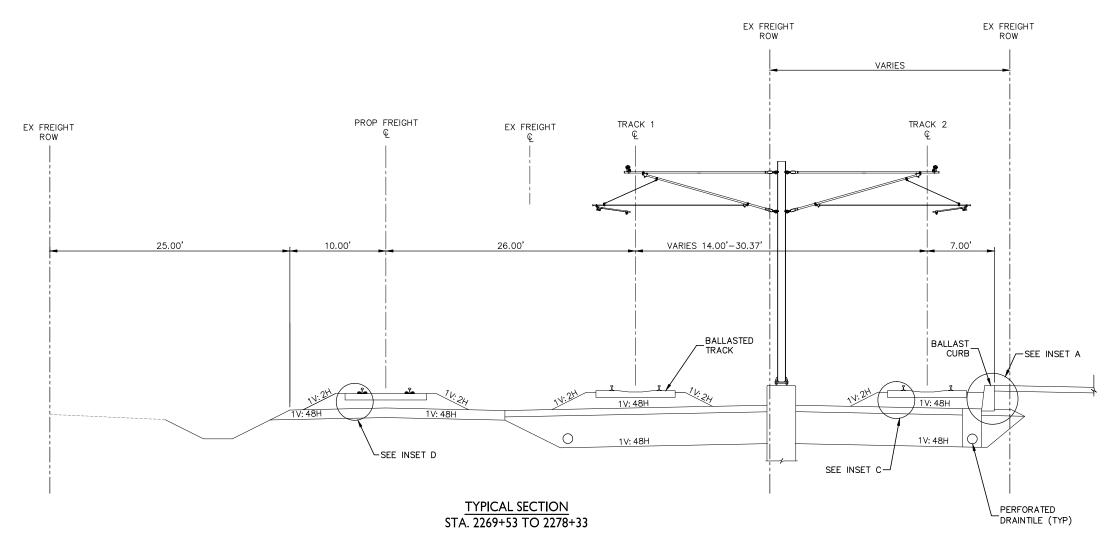


<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

OF 93

47

DISCIPLINE: **TRACK** R-TRK-TYPS-013

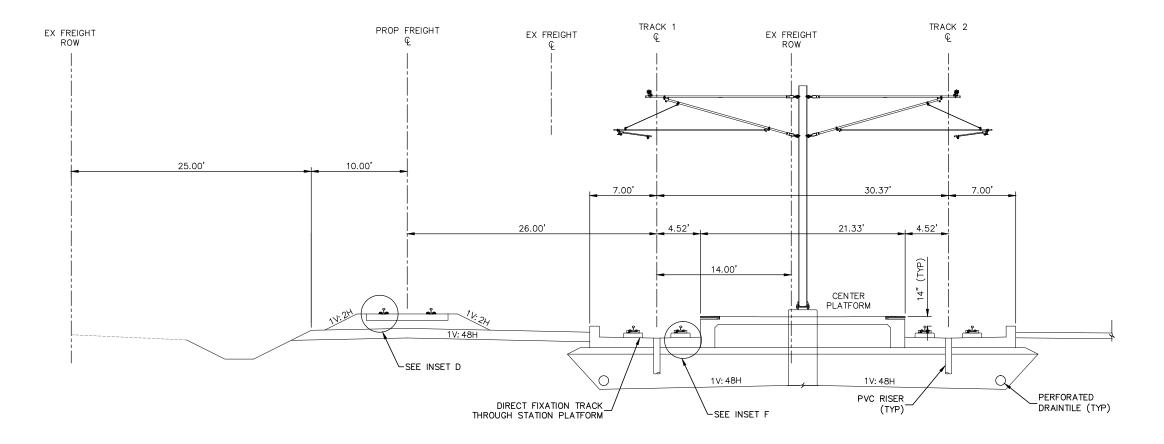


NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT—OF—WAY NOT DETERMINED
3. LIMITS OF SECTION INCLUDE AT—GRADE
CROSSINGS THAT ARE NOT DEPICTED
4. ACCESS ROAD NOT SHOWN STA. 2269+53 TO
2270+45



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TYPICAL SECTION
ROBBINSDALE STATION
STA. 2278+33 to 2281+93

NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



DRAFT-WORK IN PROCESS
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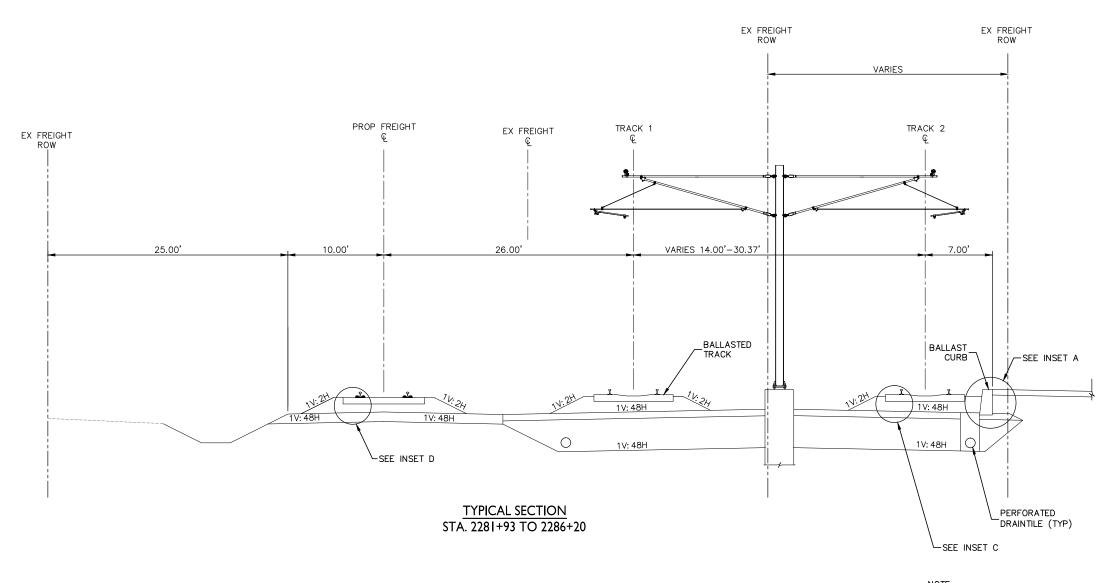


SEGMENT R
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TYPICAL SECTIONS

OF 93

49

TRACK
SHEET NAME:
R-TRK-TYPS-015

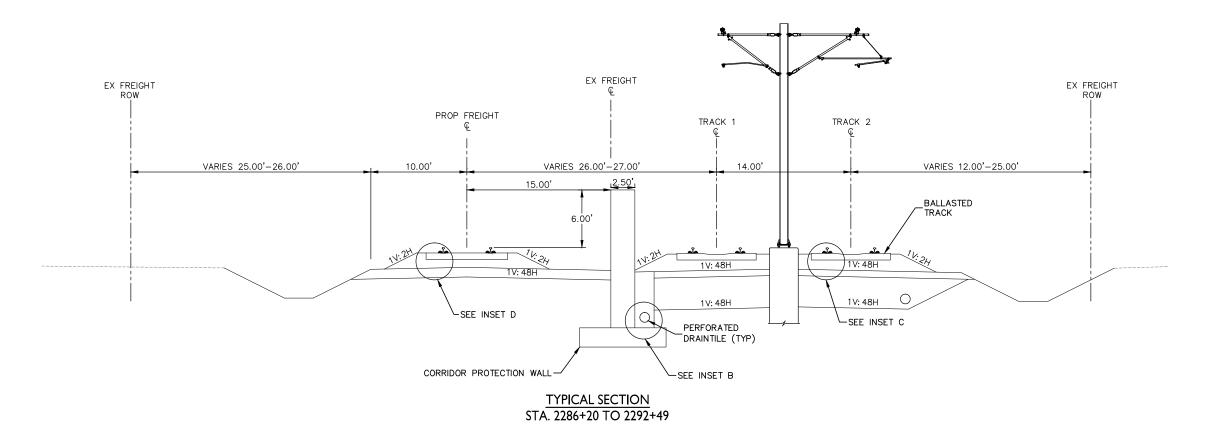


NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED
3. LIMITS OF SECTION INCLUDE AT-GRADE
CROSSINGS THAT ARE NOT DEPICTED



**DRAFT-WORK IN PROCESS** 

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NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



DRAFT-WORK IN PROCESS
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NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL

Kimley» Horn

WSP PARSONS
BRINCKERHOFF

**MUNICIPAL CONSENT** 

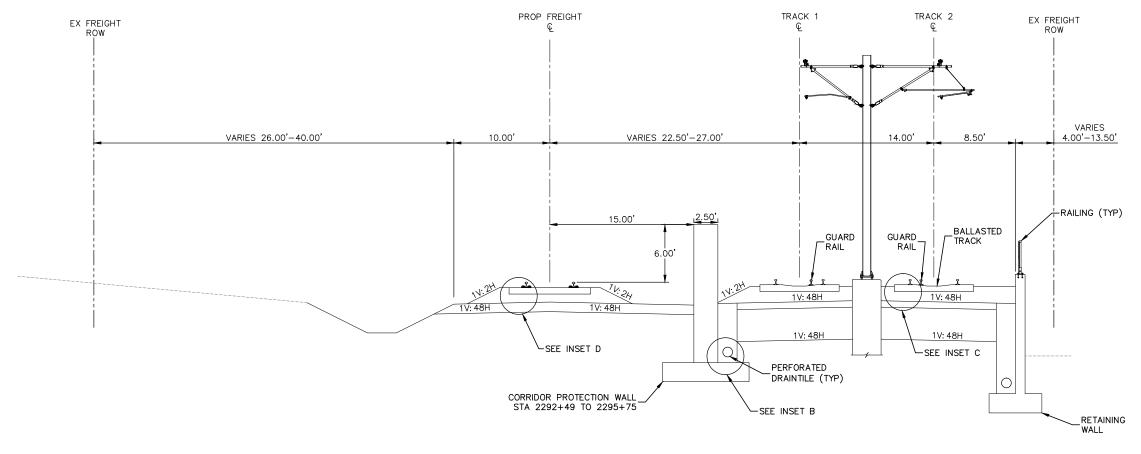




<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

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DISCIPLINE: SHEET NAME: R-TRK-TYPS-017



TYPICAL SECTION STA. 2292+49 TO 2297+41

NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



**DRAFT-WORK IN PROCESS** SHEET

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Kimley»Horn

MUNICIPAL CONSENT





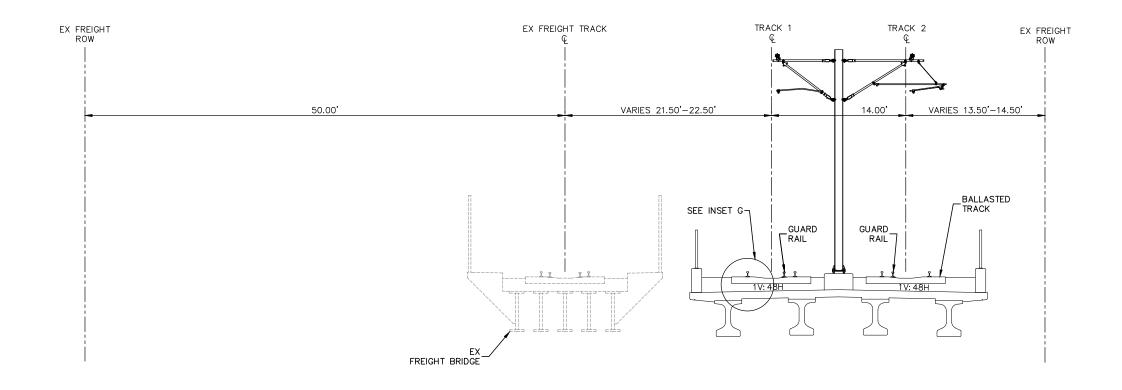
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**TRACK** 

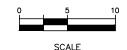
<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

OF 93

R-TRK-TYPS-018



TYPICAL SECTION BRIDGE OVER TH-100 STA. 2297+41 TO 2301+91 NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



**DRAFT-WORK IN PROCESS** SHEET

NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL

Kimley»Horn

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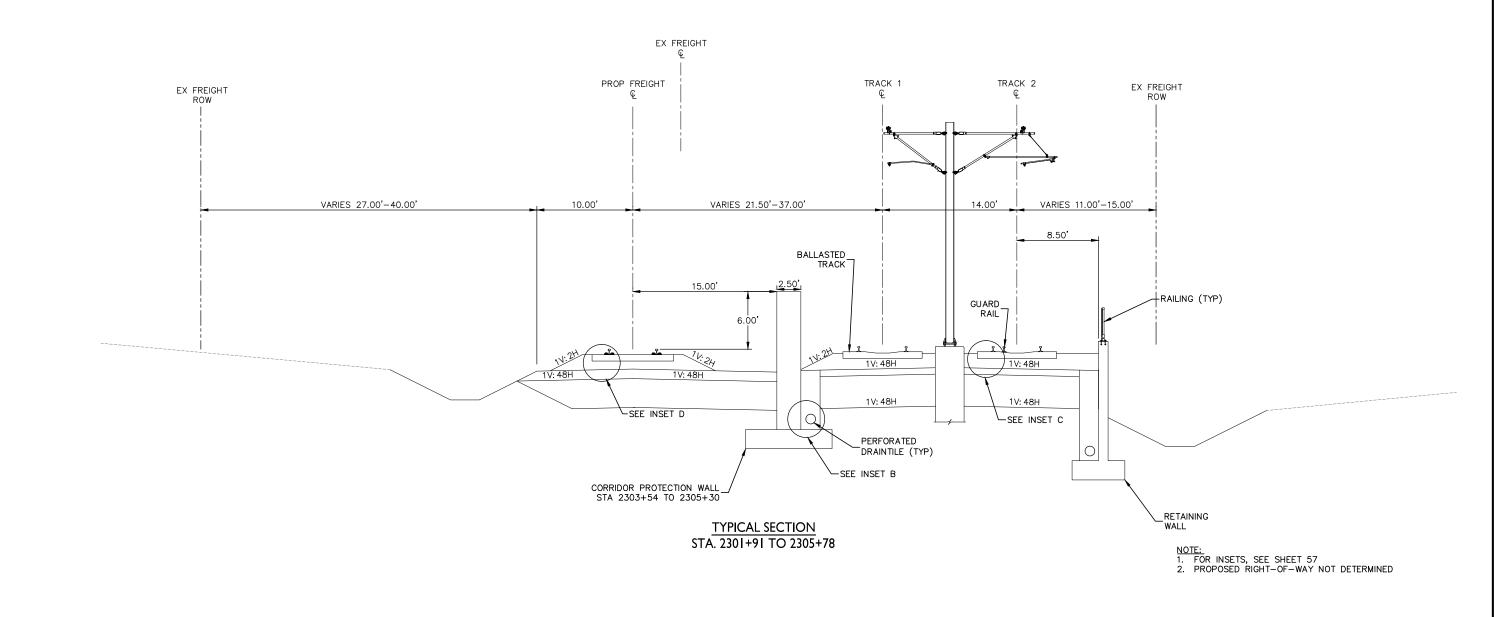


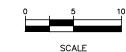


<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

OF 93

TRACK R-TRK-TYPS-019





**DRAFT-WORK IN PROCESS** SHEET

NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL Kimley»Horn MUNICIPAL CONSENT



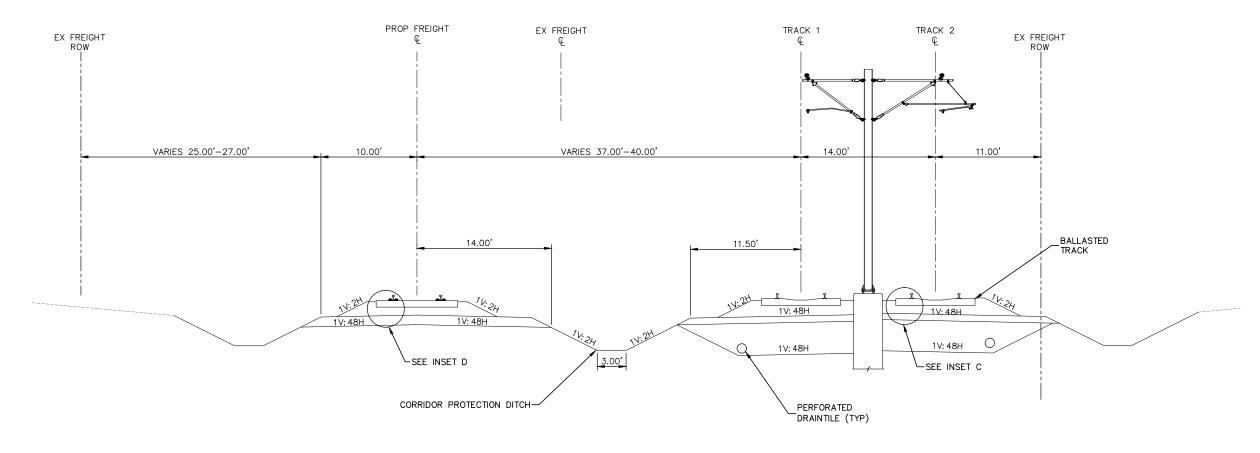




SEGMENT R
TRACK
<b>TYPICAL SECTIONS</b>

TRACK

OF 93 R-TRK-TYPS-020



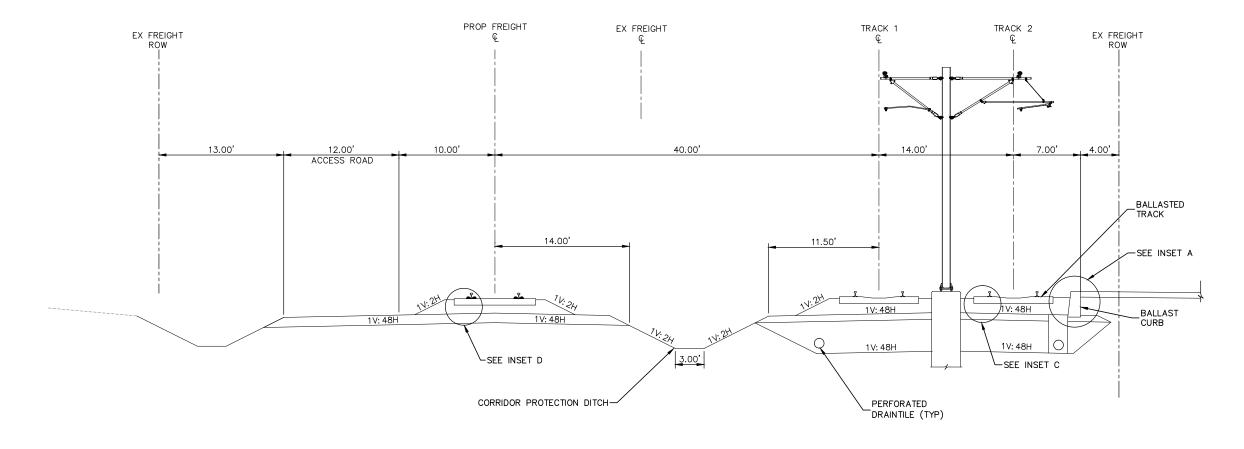
TYPICAL SECTION STA. 2305+78 TO 2313+87

NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT—OF—WAY NOT DETERMINED
3. LIMITS OF SECTION INCLUDE AT—GRADE
CROSSINGS THAT ARE NOT DEPICTED
4. BALLAST CURB NOT SHOWN STA. 2312+34 TO
2313+87



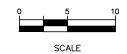
**DRAFT-WORK IN PROCESS** 

NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL SHEET Kimley»Horn **SEGMENT R** 55 **TRACK TYPICAL SECTIONS** OF METROPOLITAN DISCIPLINE: 93 **MUNICIPAL CONSENT TRACK** R-TRK-TYPS-021



TYPICAL SECTION
STA. 2313+87 TO 2320+86 (SEGMENT R END)

NOTE:
1. FOR INSETS, SEE SHEET 57
2. PROPOSED RIGHT-OF-WAY NOT DETERMINED



**DRAFT-WORK IN PROCESS** SHEET

56

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201						BRINCKERHOFF	N Bay
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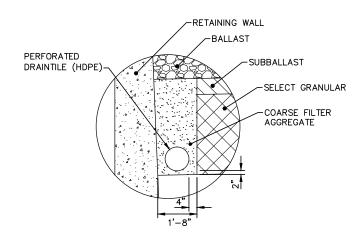
**TRACK** 

<b>SEGMENT R</b>
TRACK
TYPICAL SECTIONS

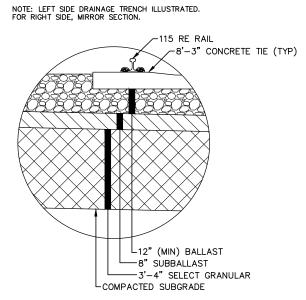
CAL SECTIONS	OF
SHEET NAME: R-TRK-TYPS-022	93
11-11111-111 0-022	

## INSET A - BALLAST CURB INTERFACE

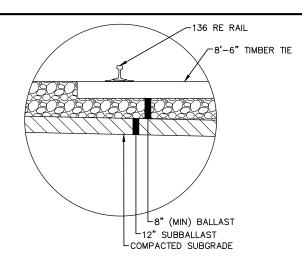
NOTE: LEFT SIDE DRAINAGE TRENCH ILLUSTRATED. FOR RIGHT SIDE, MIRROR SECTION.



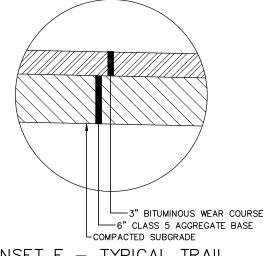
INSET B - RETAINING WALL INTERFACE



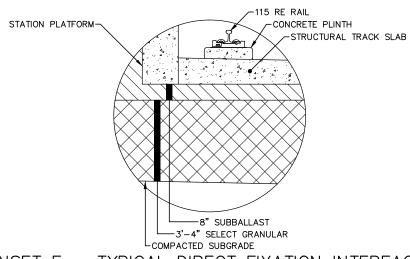
INSET C - TYPICAL BALLASTED TRACK



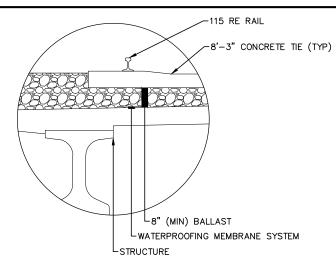
# INSET D - TYPICAL BALLASTED FREIGHT TRACK



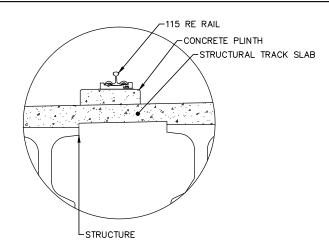
INSET E - TYPICAL TRAIL



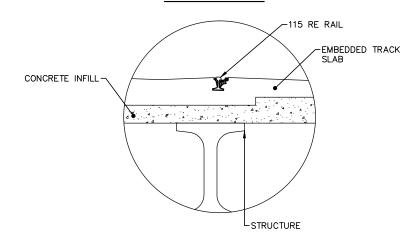
INSET F - TYPICAL DIRECT FIXATION INTERFACE AT STATION PLATFORM



## INSET G - BALLASTED LRT TRACK ON STRUCTURE



## INSET H - DIRECT FIXATION LRT TRACK ON STRUCTURE



INSET I - EMBEDDED LRT TRACK ON STRUCTURE

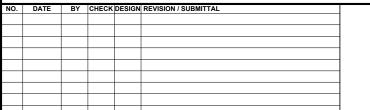
**DRAFT-WORK IN PROCESS** 

SHEET

57

OF

93



**Kimley \*\*Horn** 

**MUNICIPAL CONSENT** 

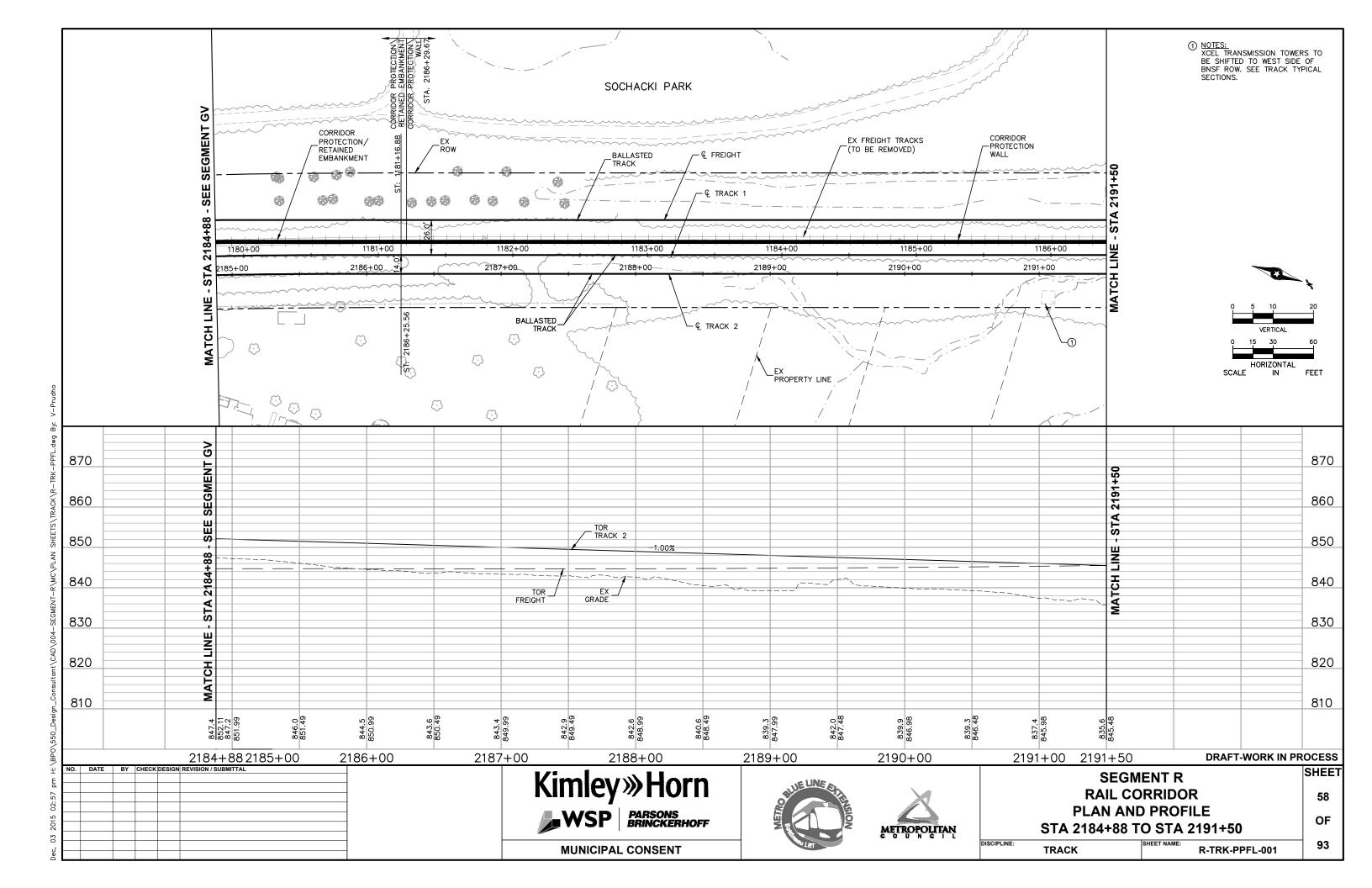


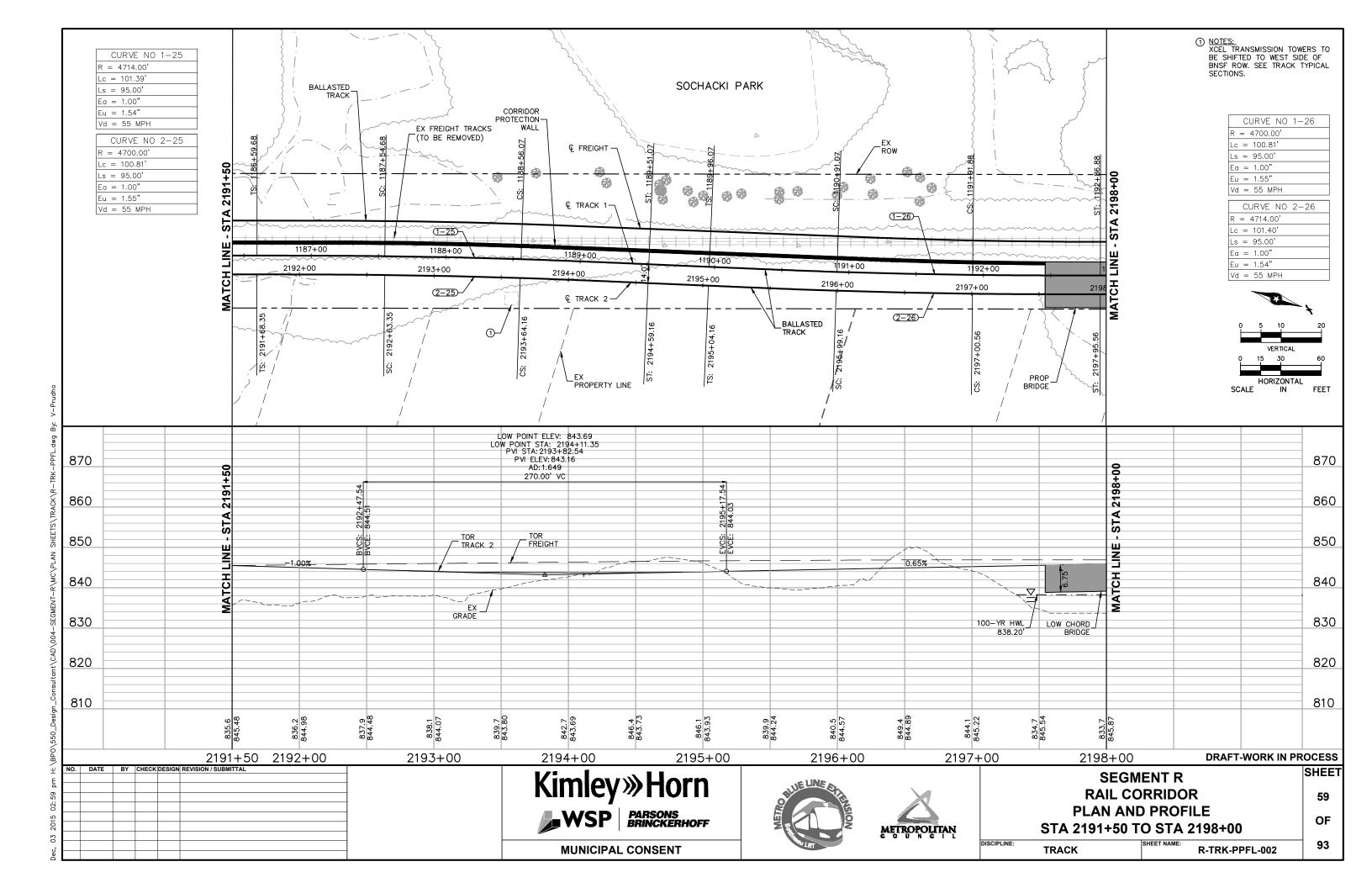


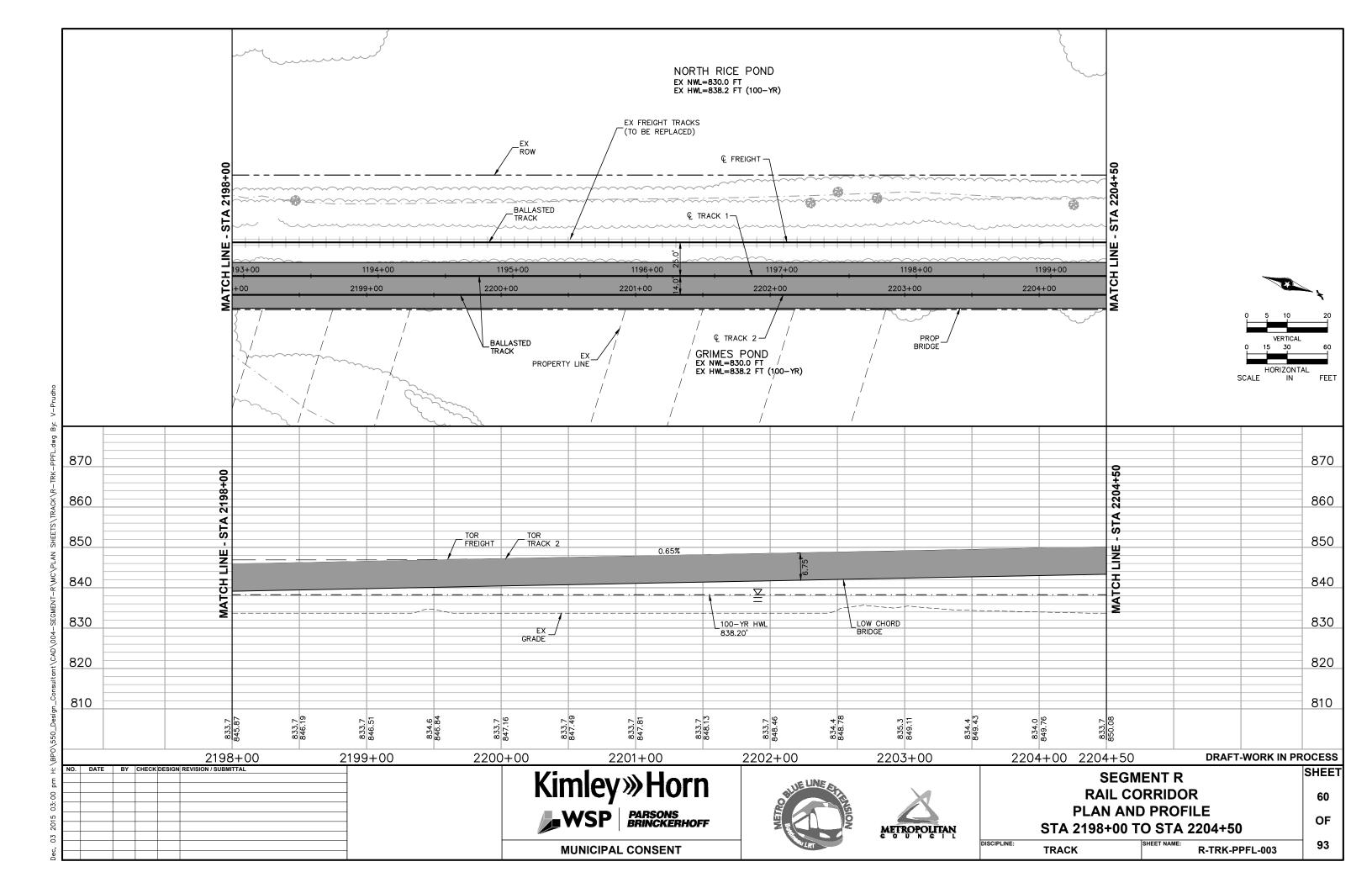
SEGMENT R
TRACK
<b>TYPICAL SECTIONS</b>

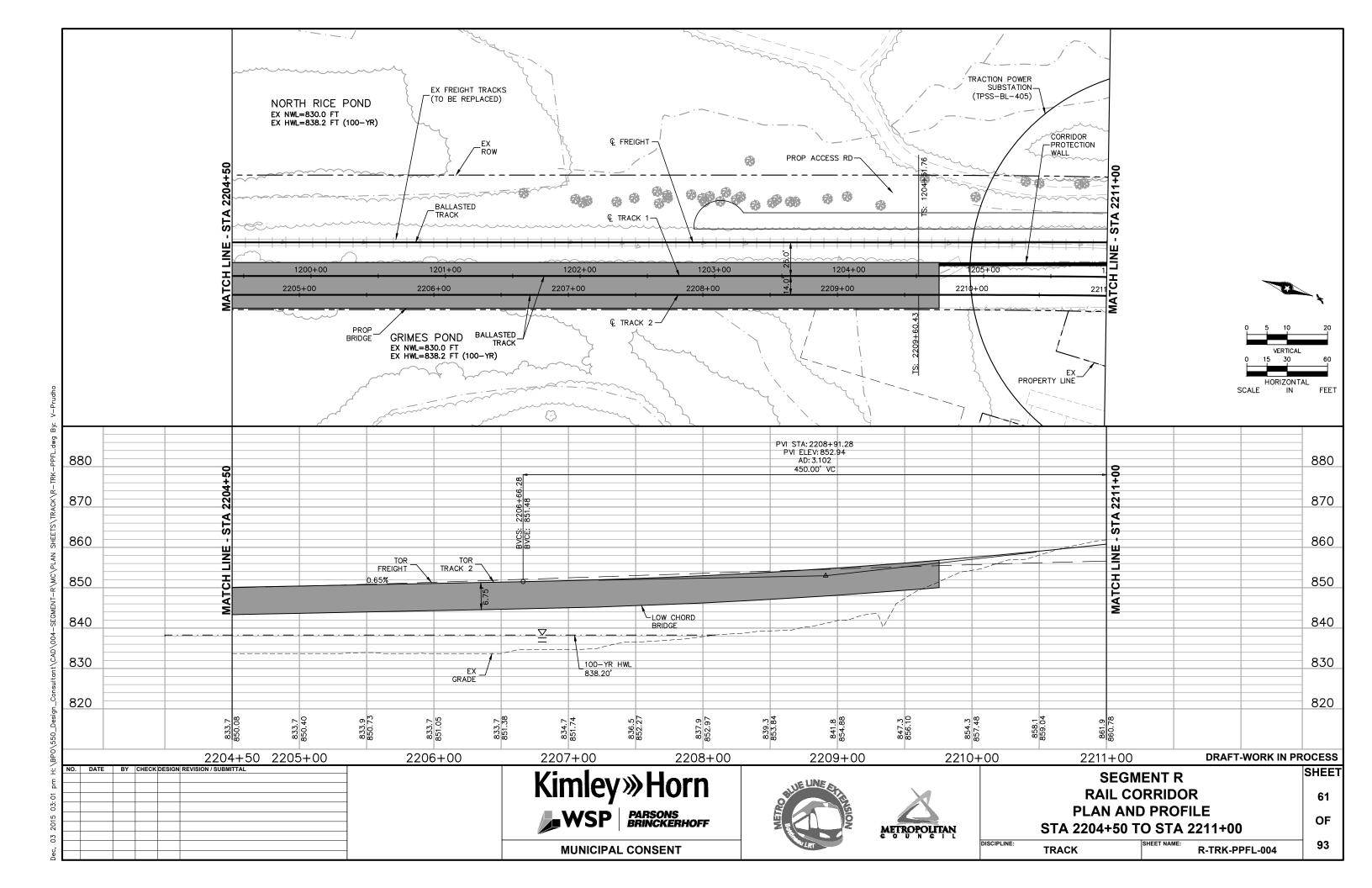
DISCIPLINE: R-TRK-TYPS-023

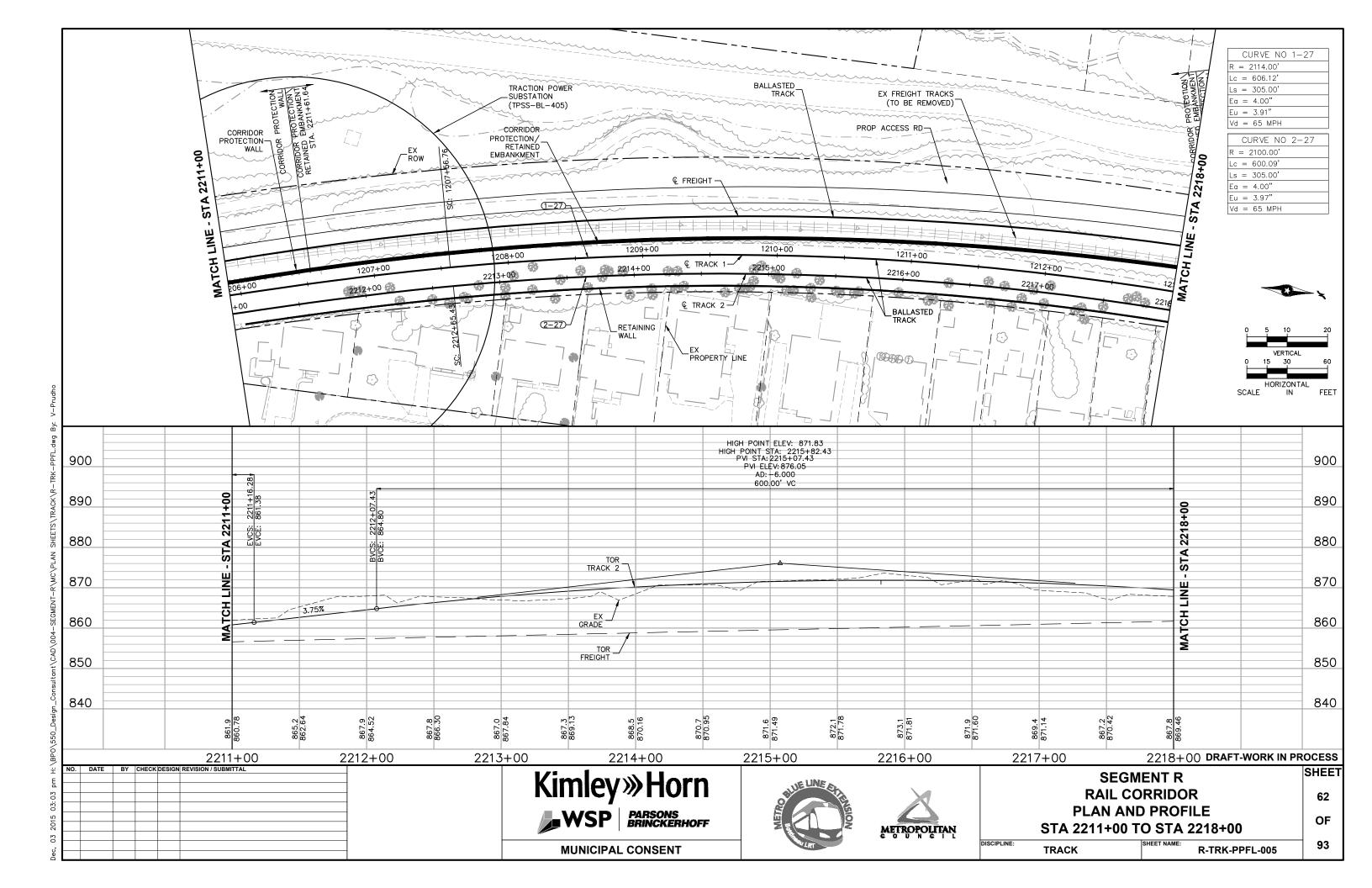
TRACK

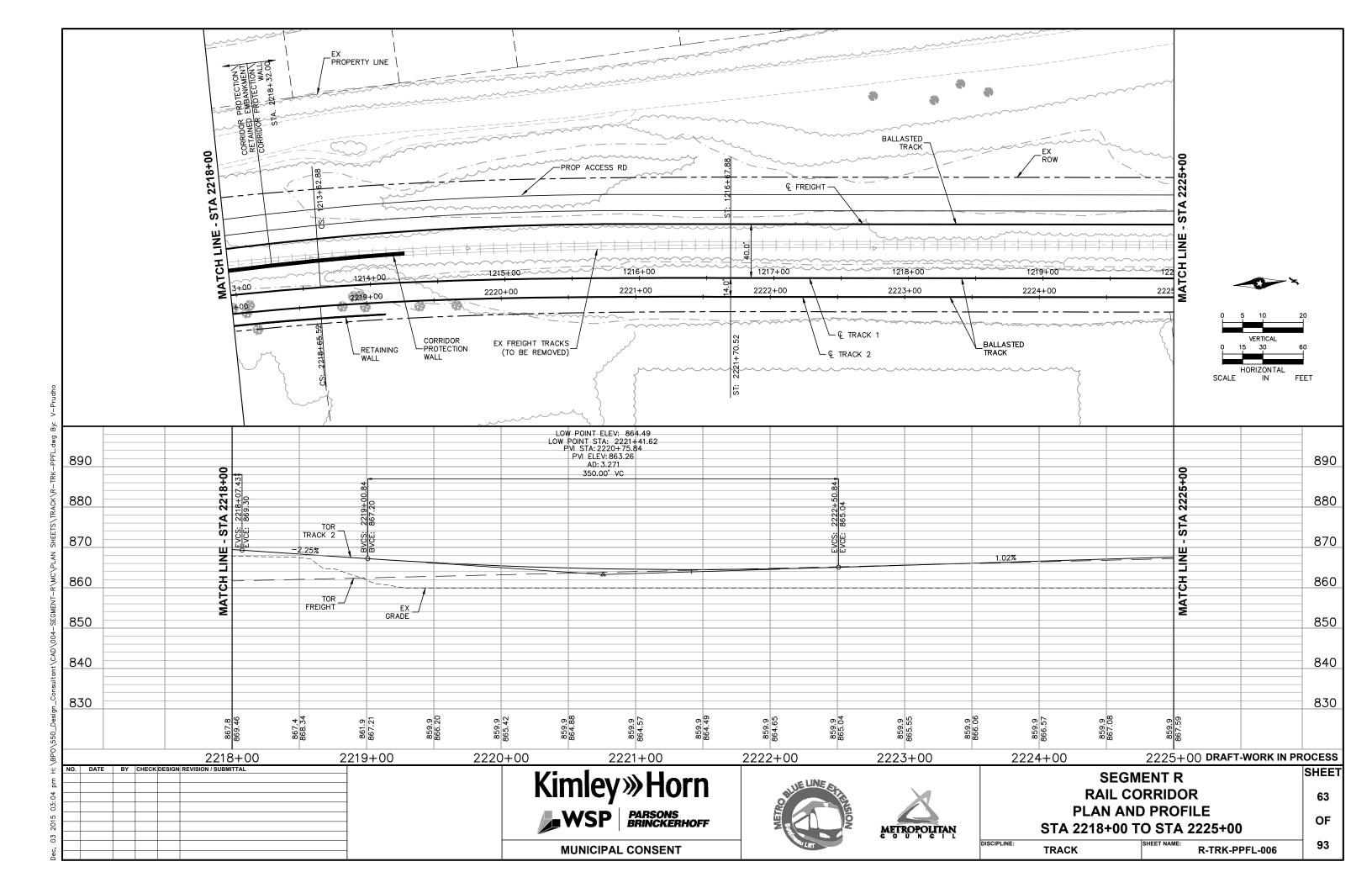


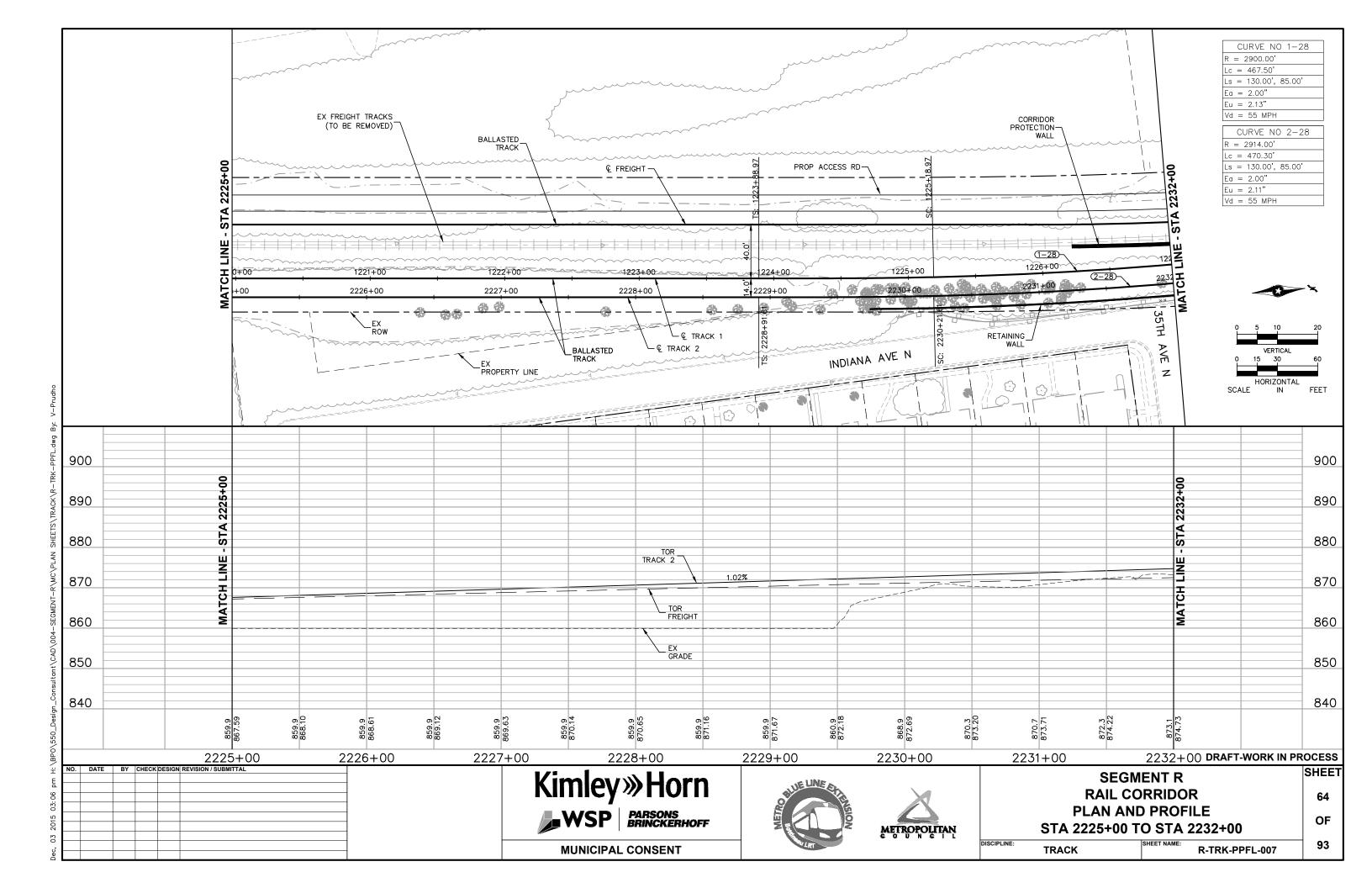


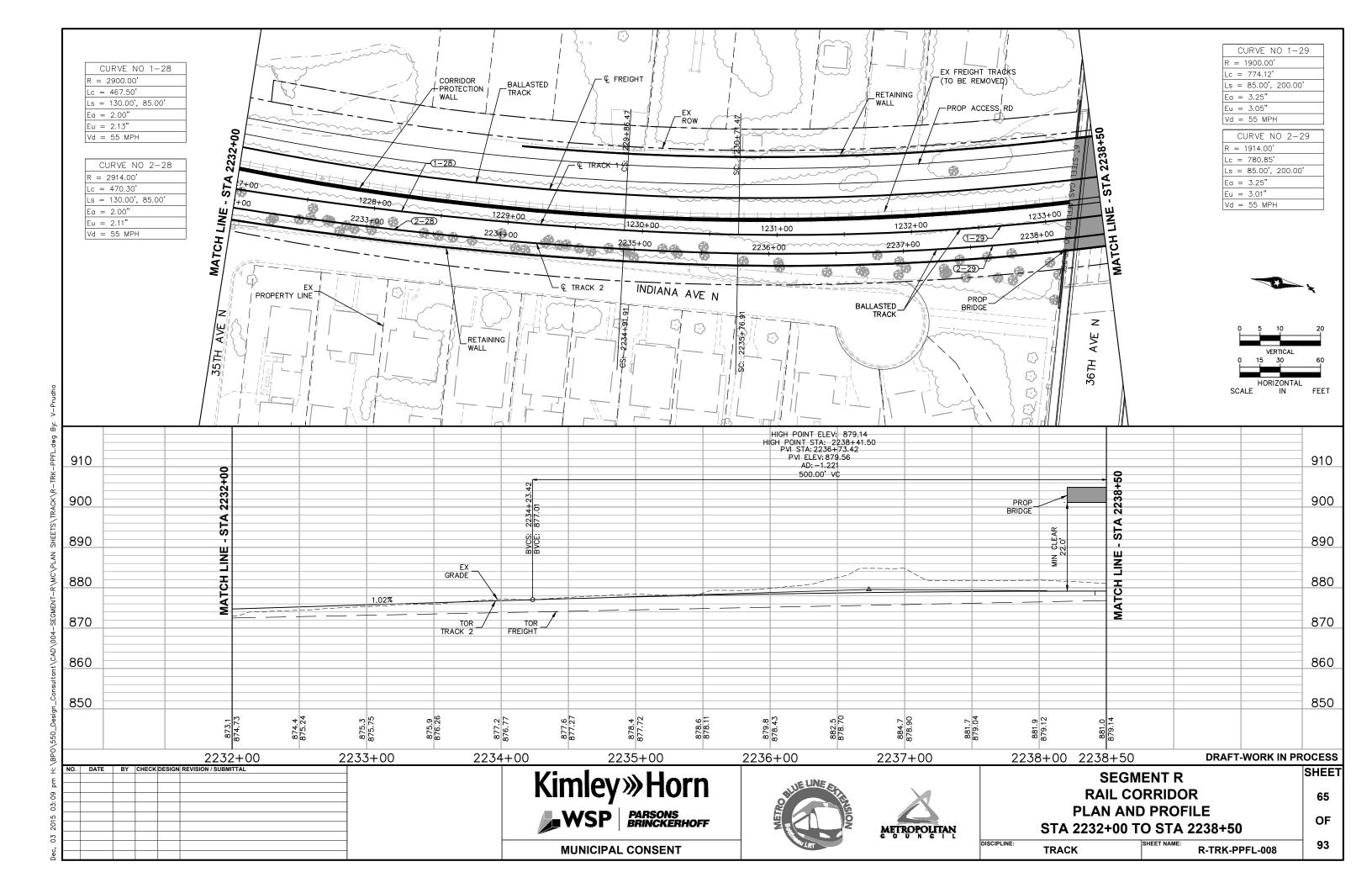


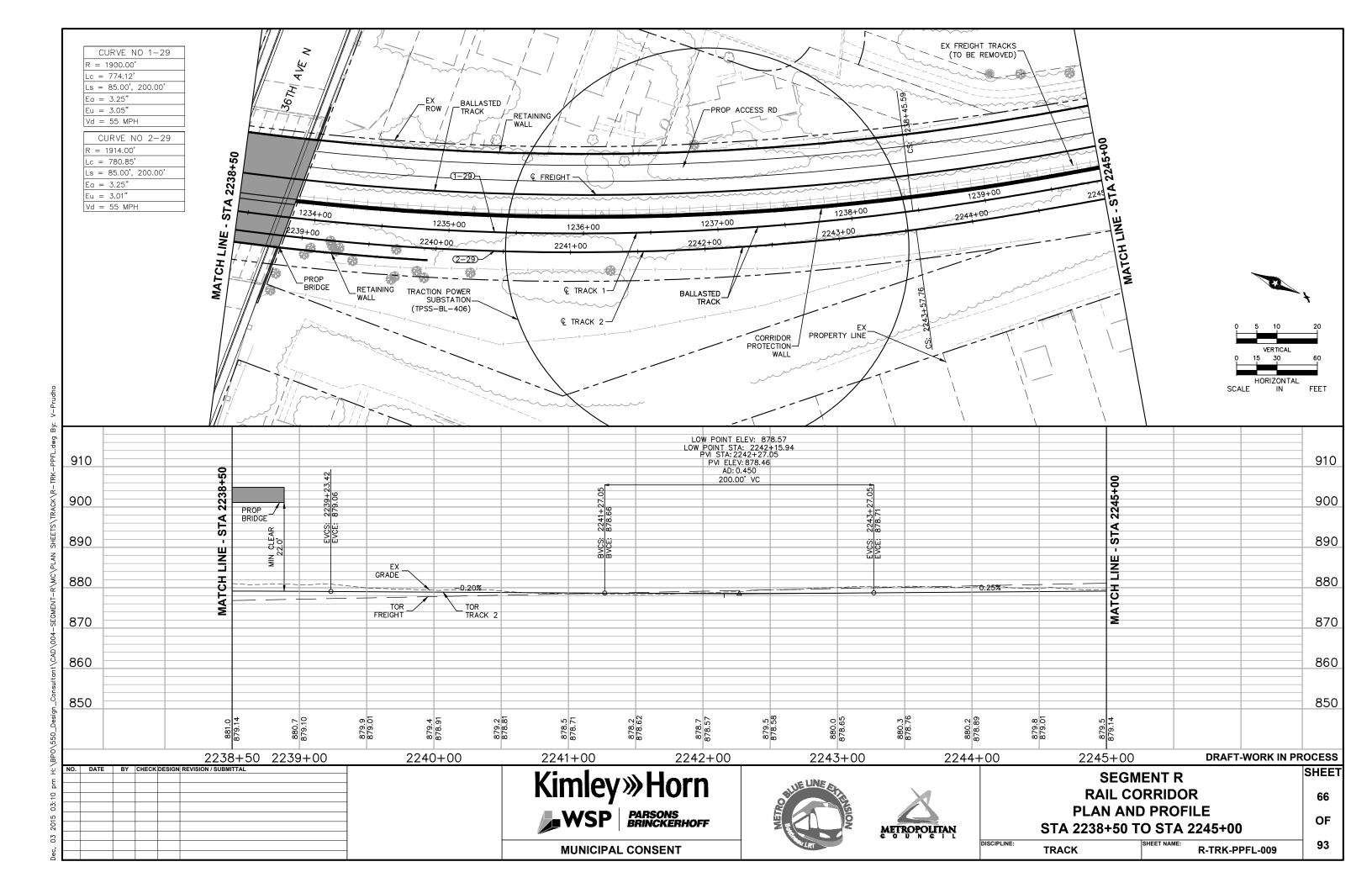


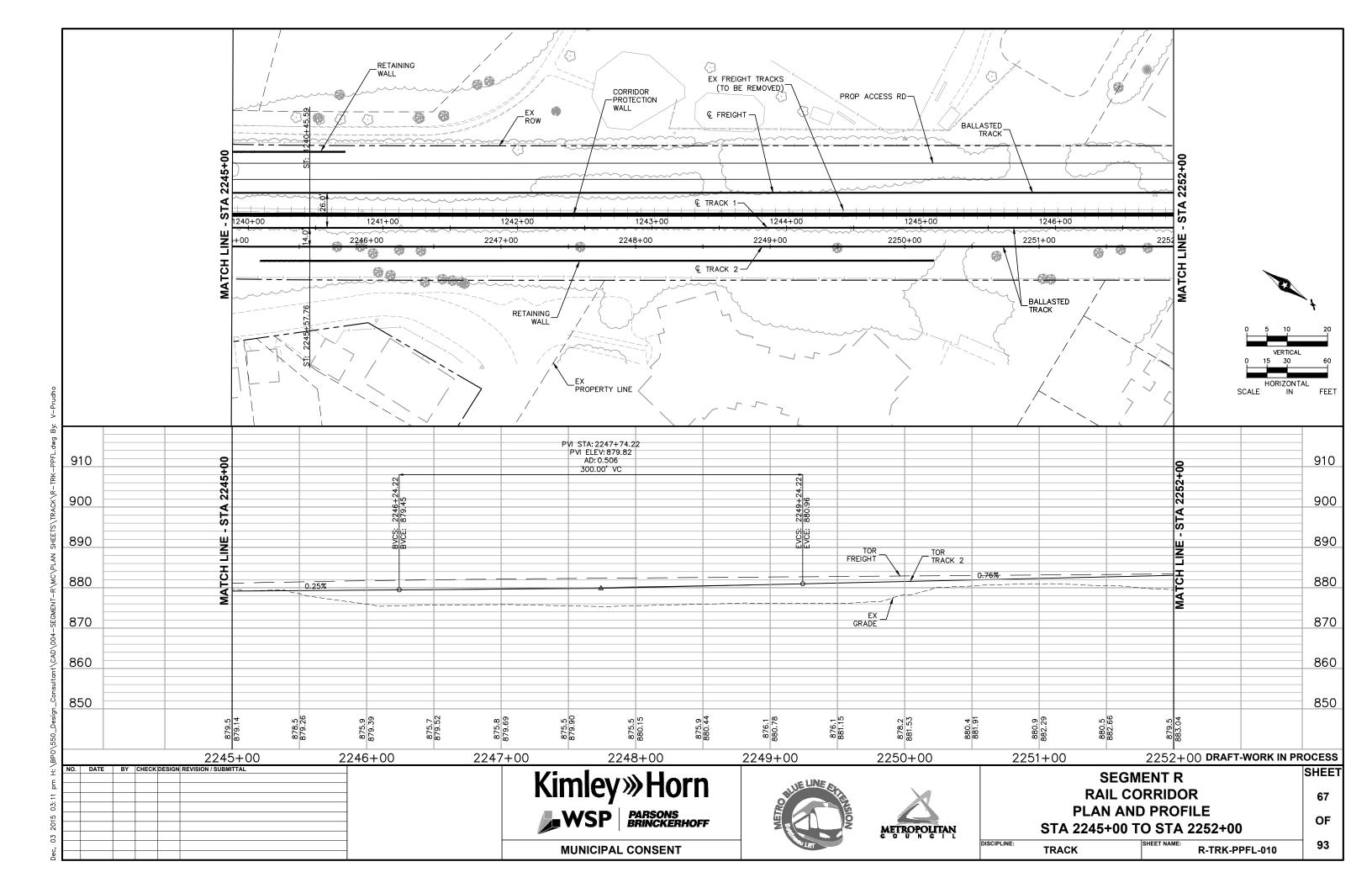


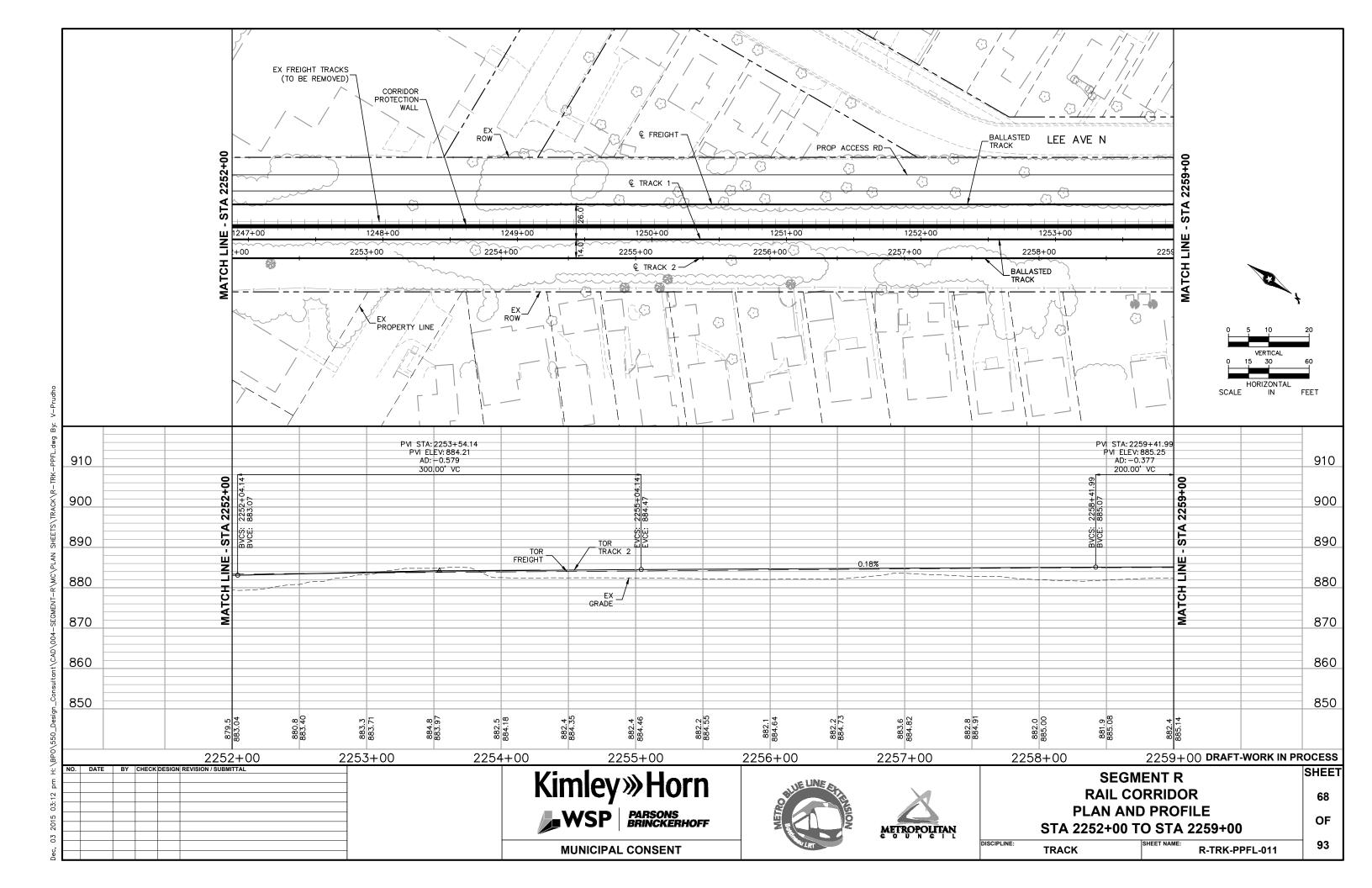


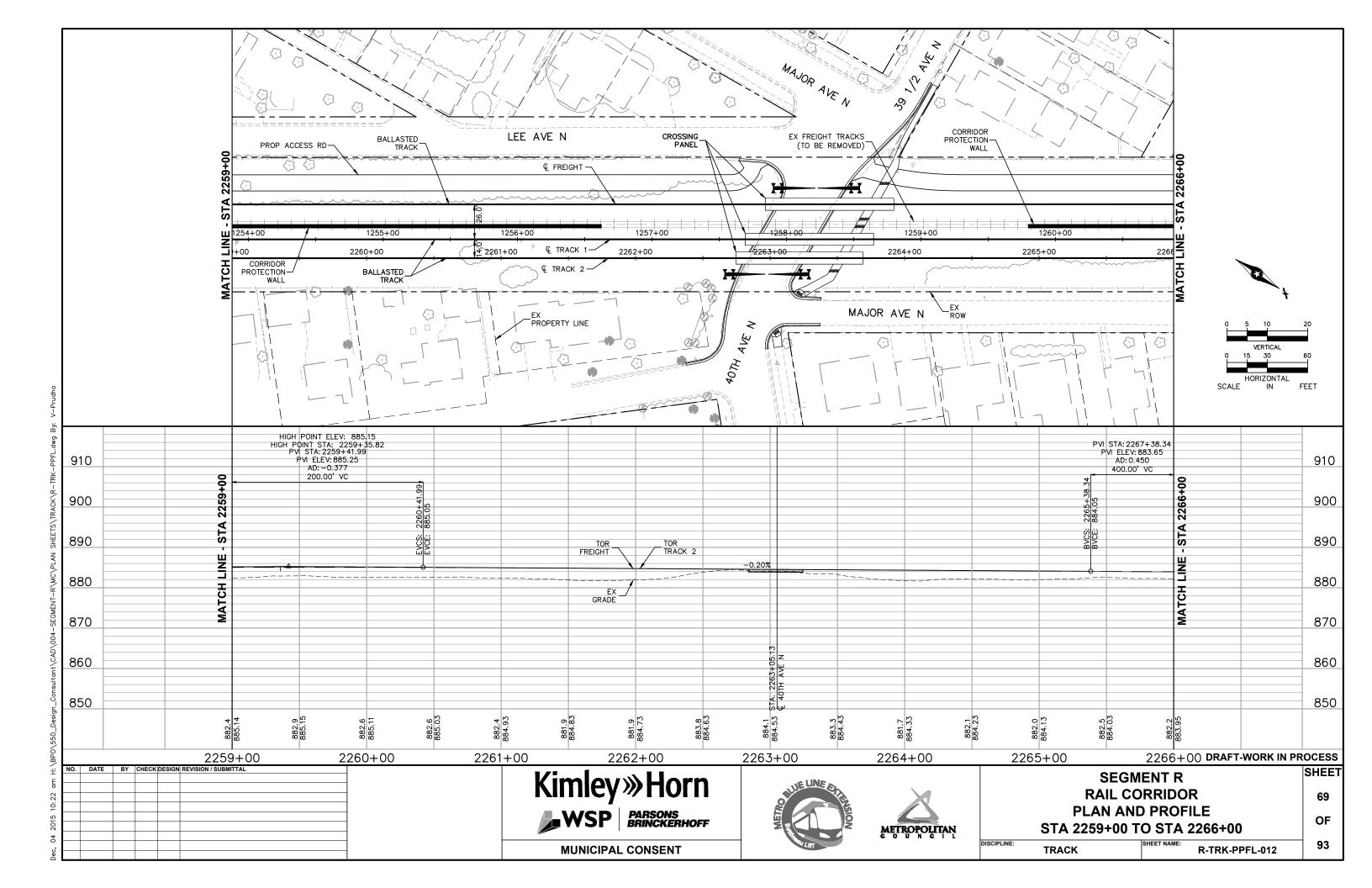


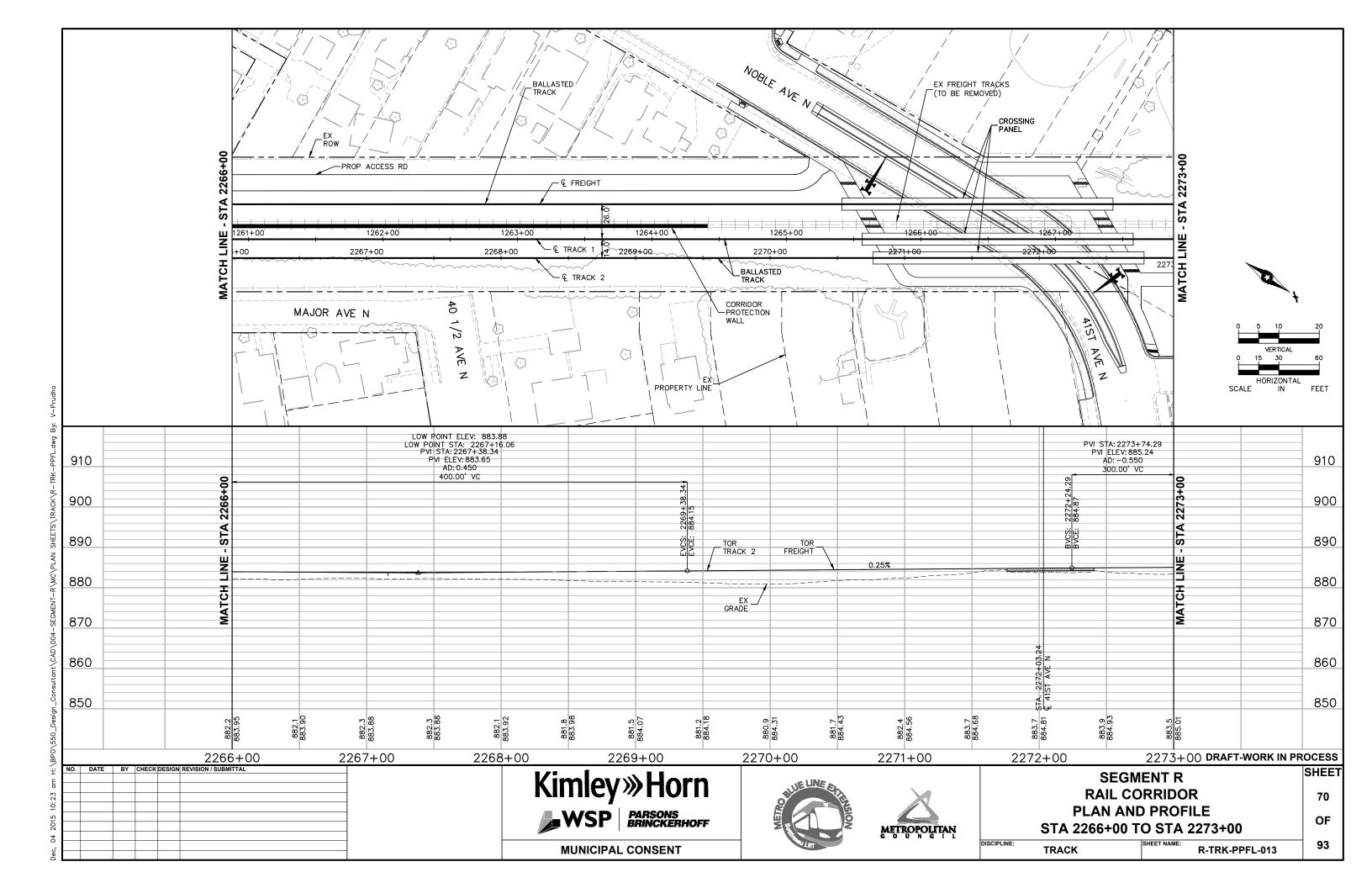


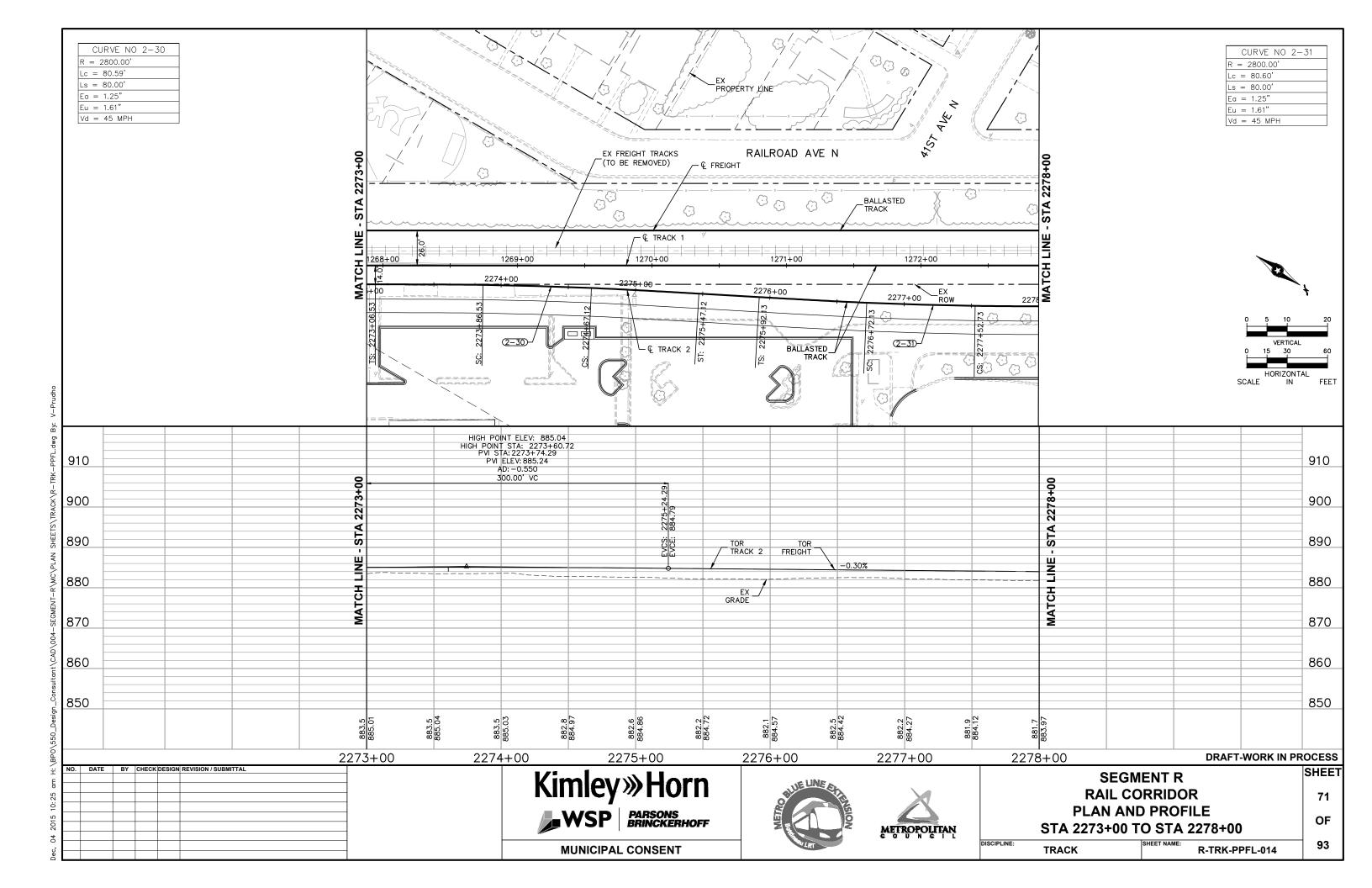


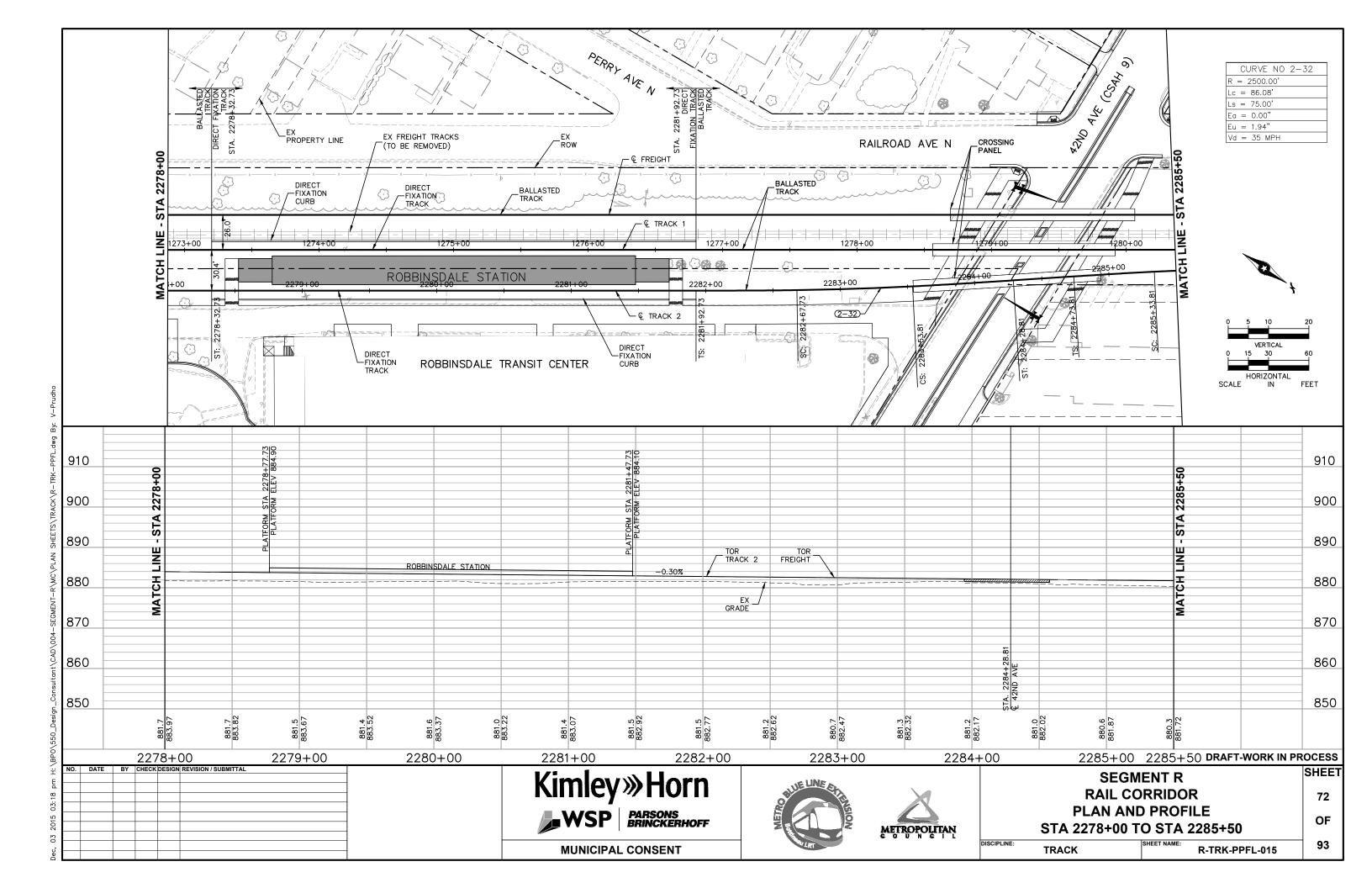


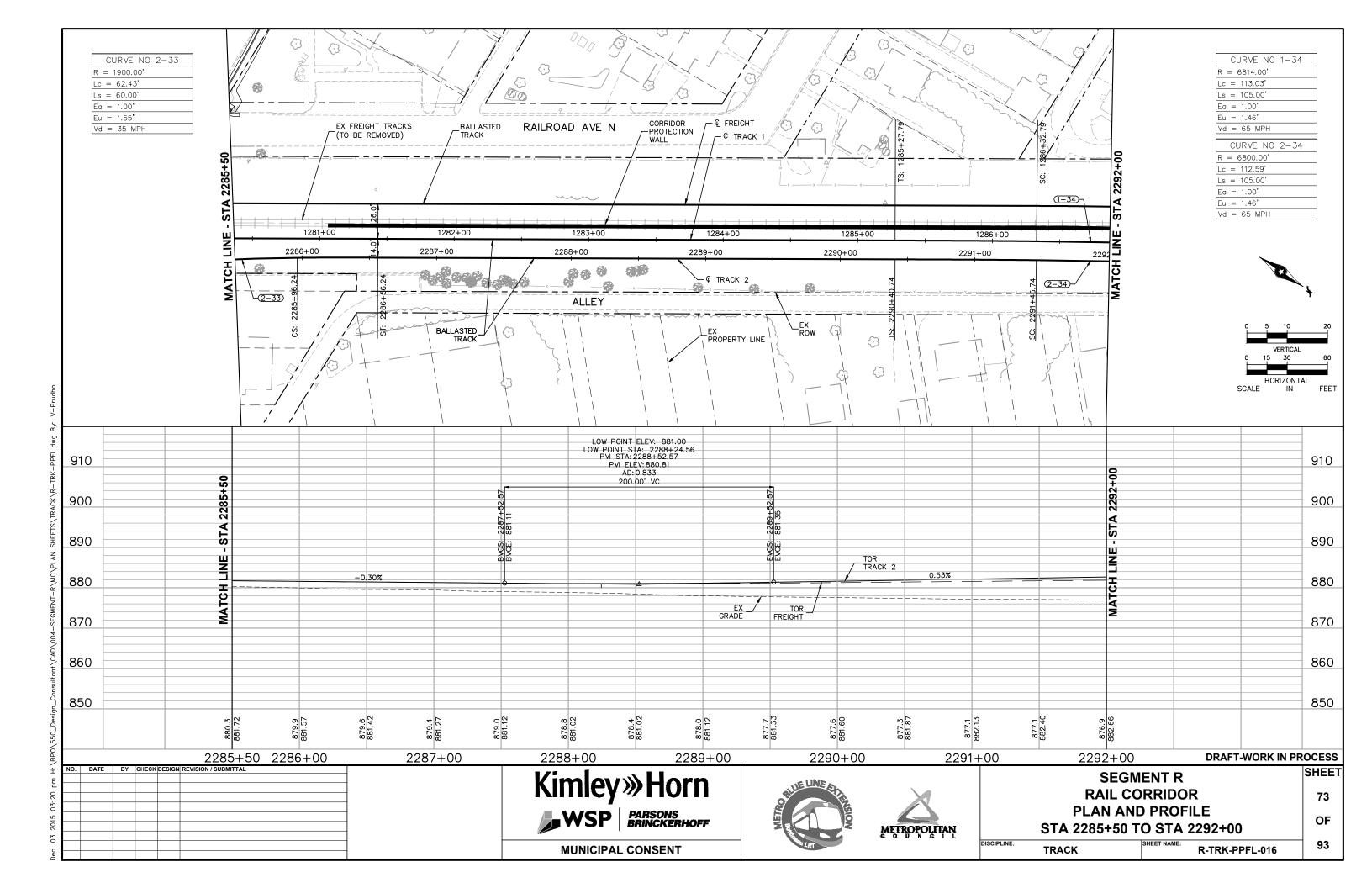


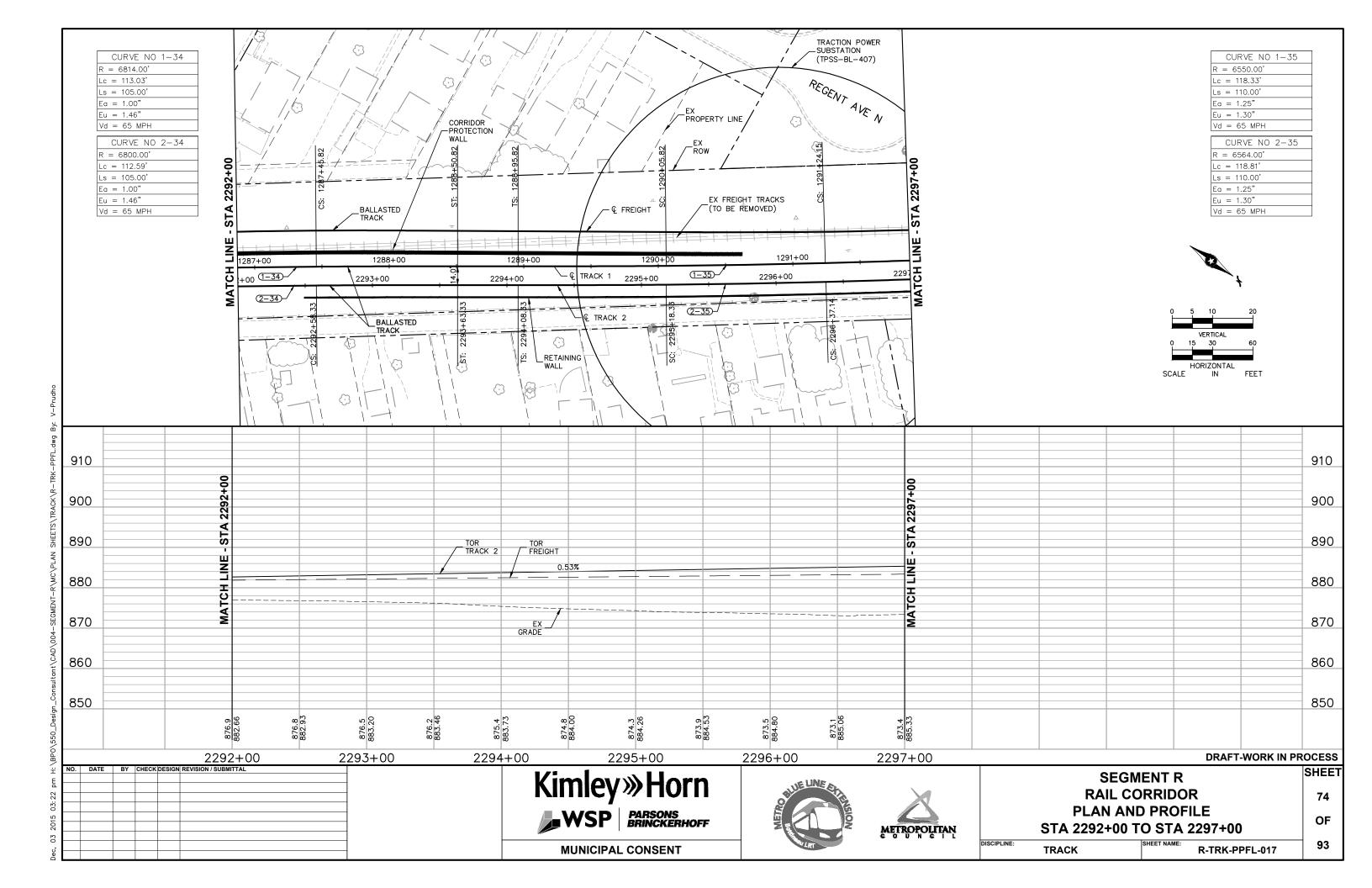


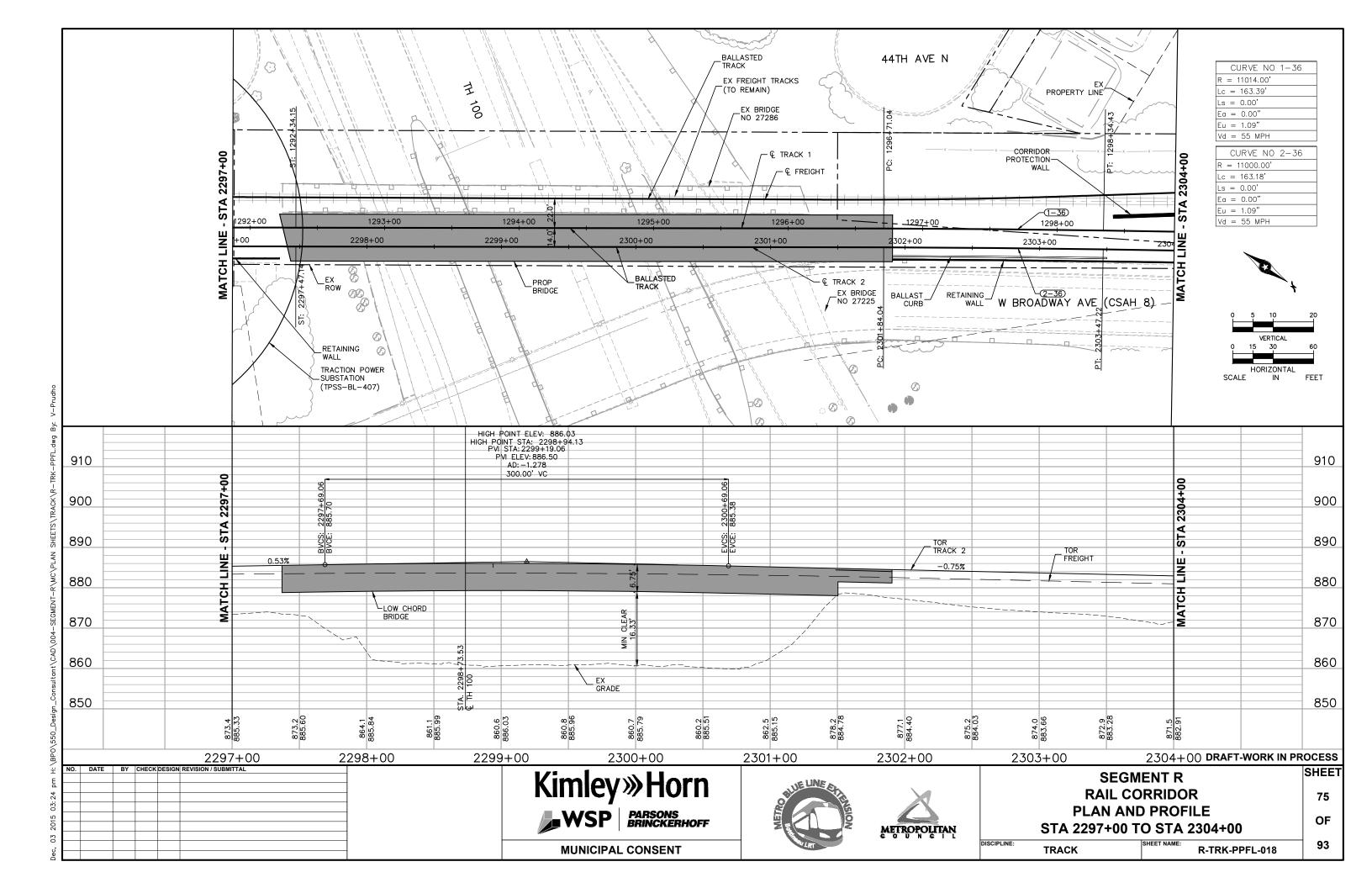


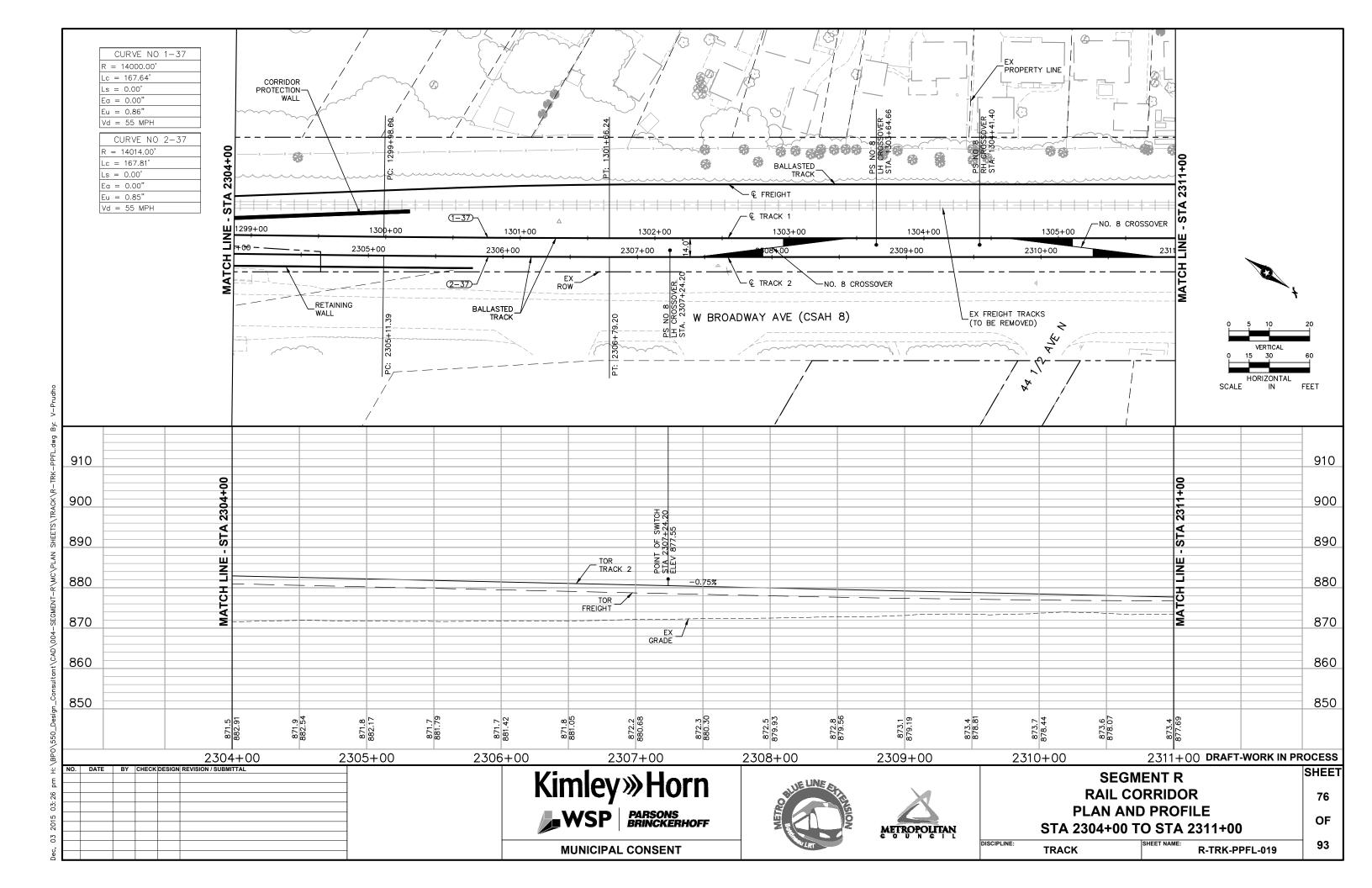


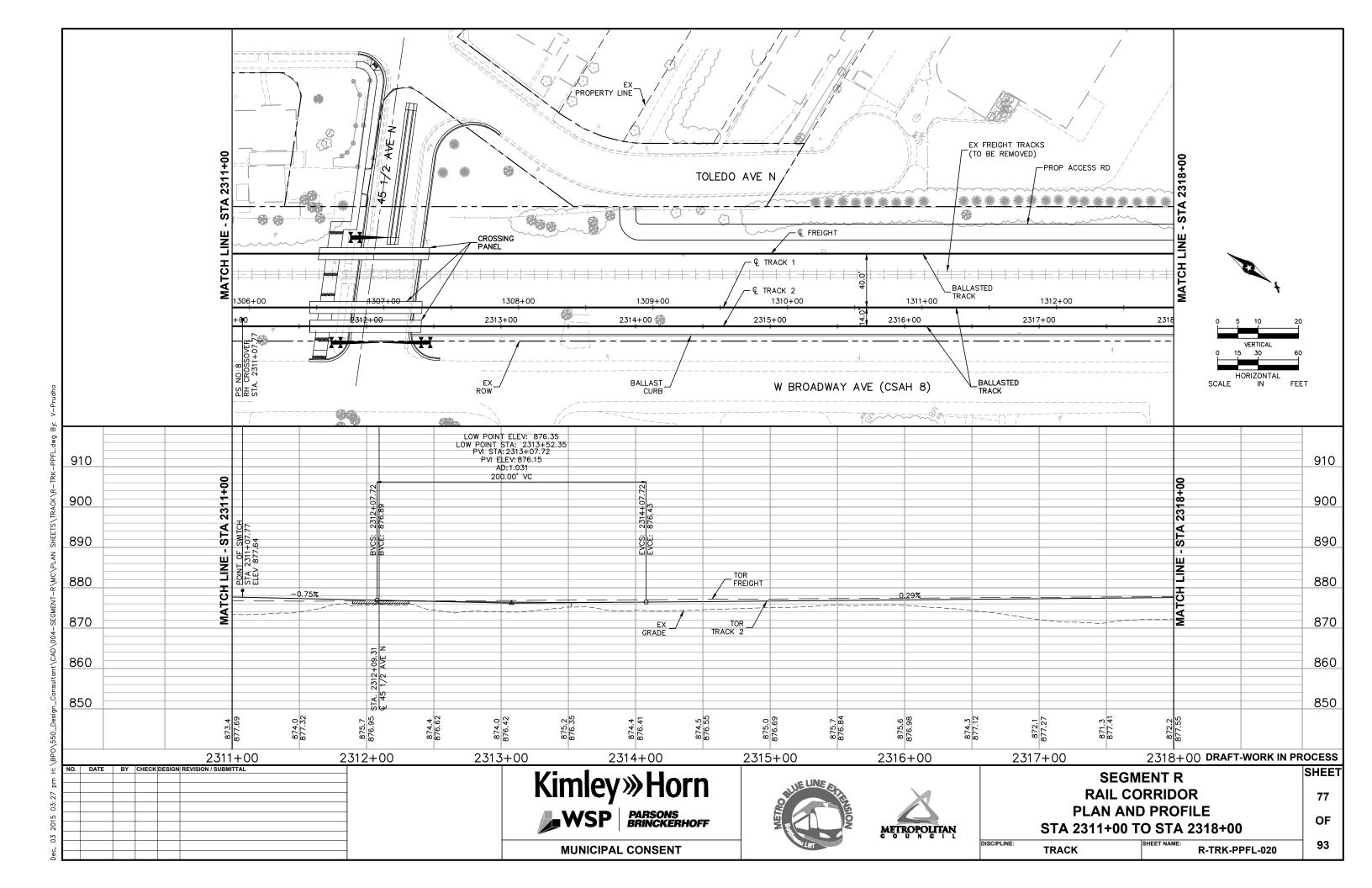


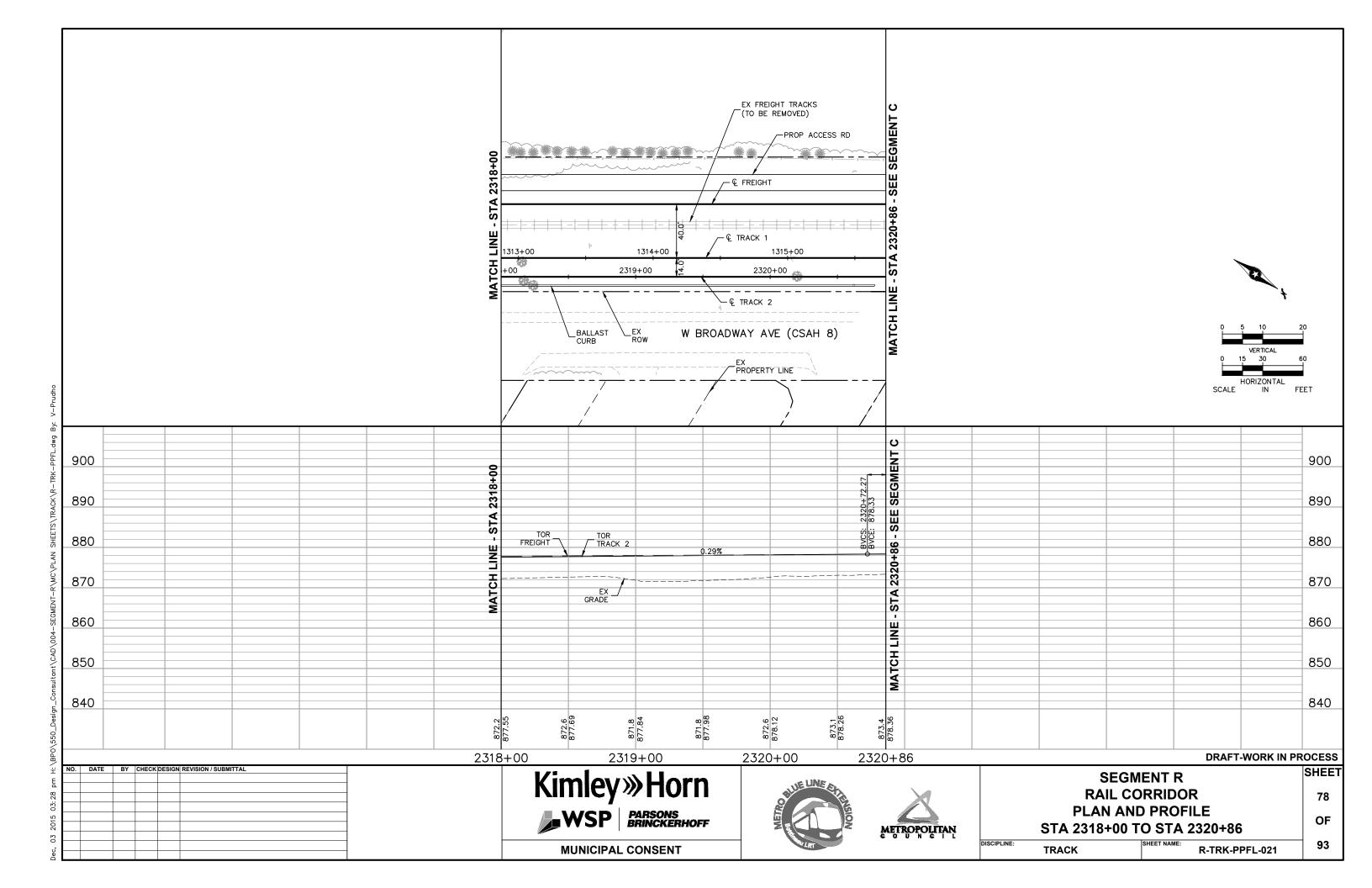


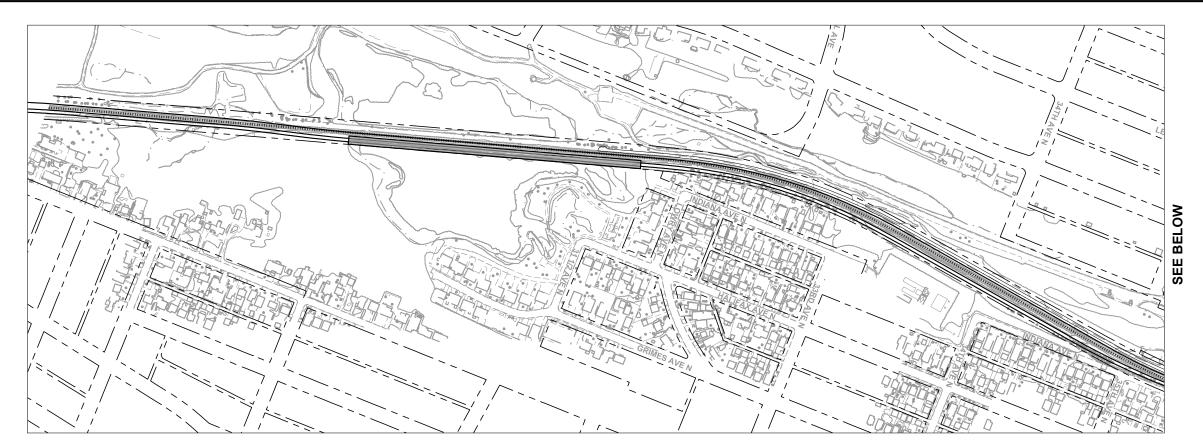


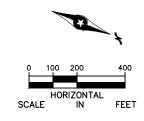


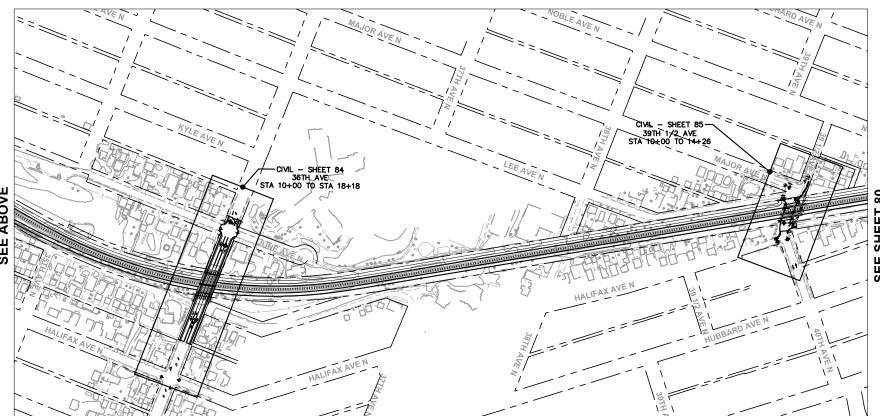












DRAFT-WORK IN PROCESS

SHEET

79



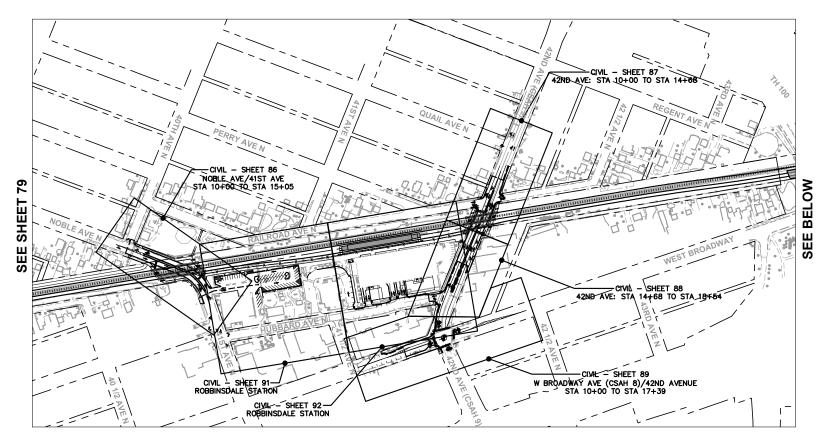


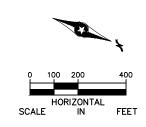


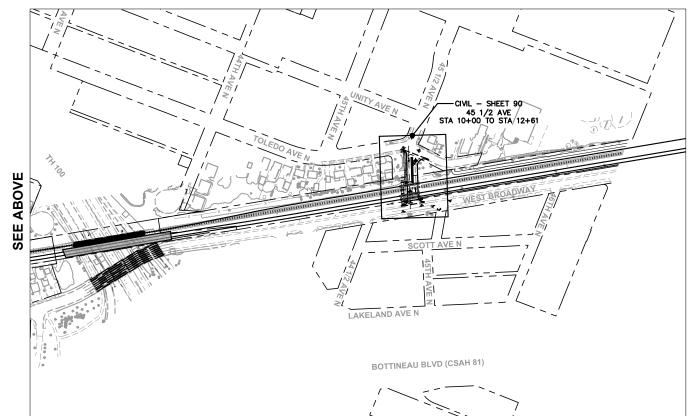
SEGMENT R	
CIVIL	
SHEET LAYOUT INDEX	

CIVIL SHEET NAME: R-CIV-IDX-001 93

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**DRAFT-WORK IN PROCESS** 

SHEET

80







DISCIPLINE:

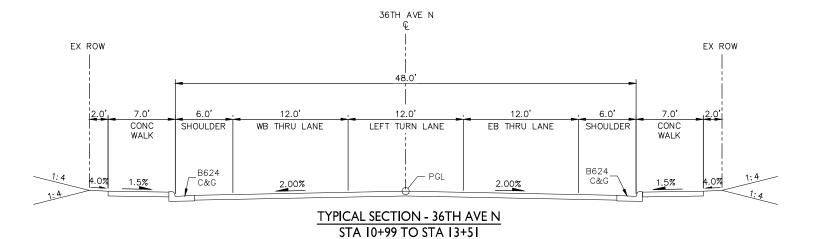
**CIVIL** 

SEGMENT R
CIVIL
SHEET LAYOUT INDEX

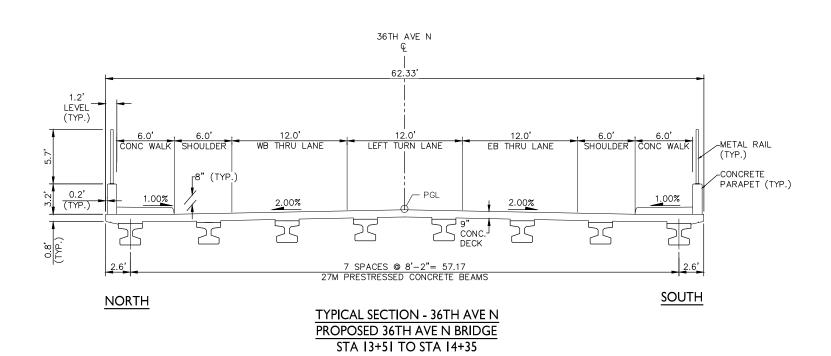
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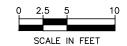
NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL





STA 14+35 TO STA 16+55





#### **DRAFT-WORK IN PROCESS**

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DATE BY CHECK DESIGN REVISION / SUBMITTAL





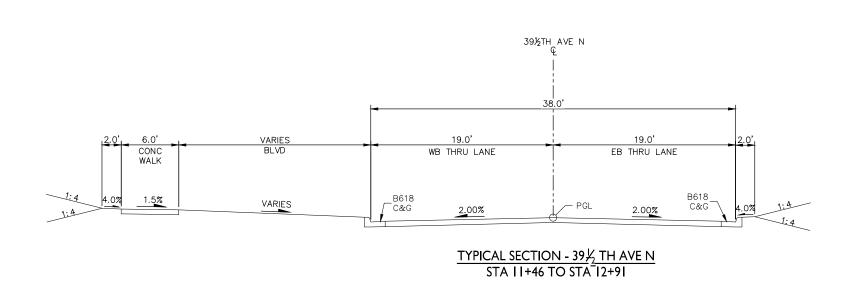


SEGMENT R
CIVIL
TYPICAL SECTIONS

81 OF 93

SHEET

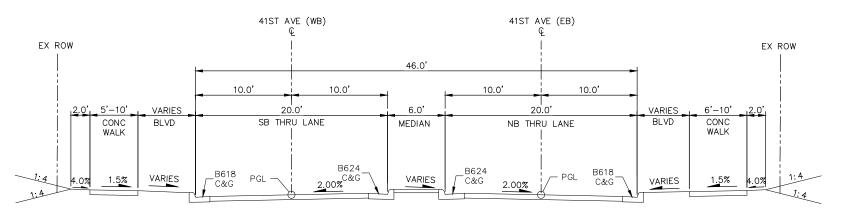
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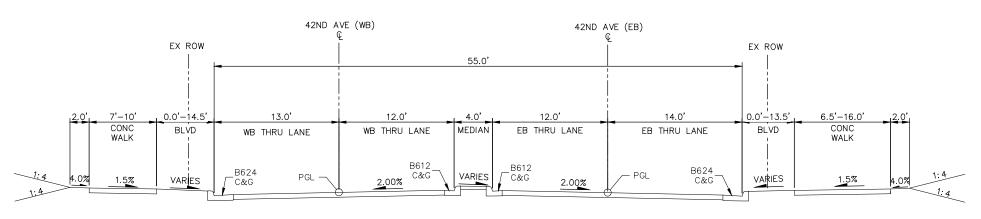
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1 SLOPES LISTED ARE V: H

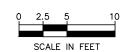
(2) STA 11+46 TO STA 12+91 EXISTING RIGHT-OF-WAY IS LOCATED OUTSIDE OF THE EXTENTS OF THE TYPICAL SECTION



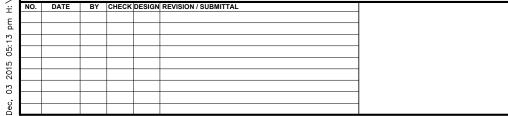
## TYPICAL SECTION - 41ST AVE N STA 10+63 TO STA 14+45



TYPICAL SECTION - 42ND AVE (CSAH 9) STA 12+42 TO STA 16+12



#### **DRAFT-WORK IN PROCESS**



Kimley >>> Horn

SRE | ENGINEERS | DESIGNEERS | DESIGNEER





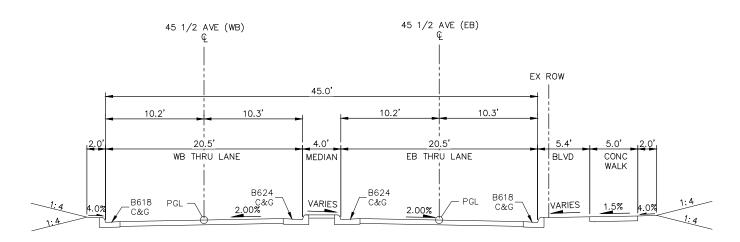
SEGMENT R
CIVIL
TYPICAL SECTIONS

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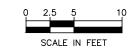
SHEET

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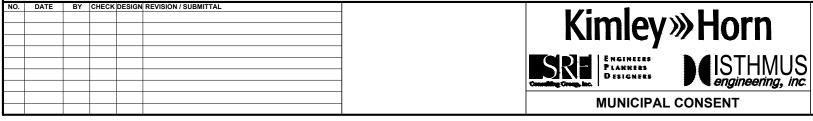
TYPICAL SECTION - W BROADWAY AVE (CSAH 8) STA 12+05 TO STA 13+43



TYPICAL SECTION - 45 1/2 AVE N STA 10+30 TO STA 12+45



## **DRAFT-WORK IN PROCESS** SHEET







SEGMENT R
CIVIL
TYPICAL SECTIONS

NOTES:

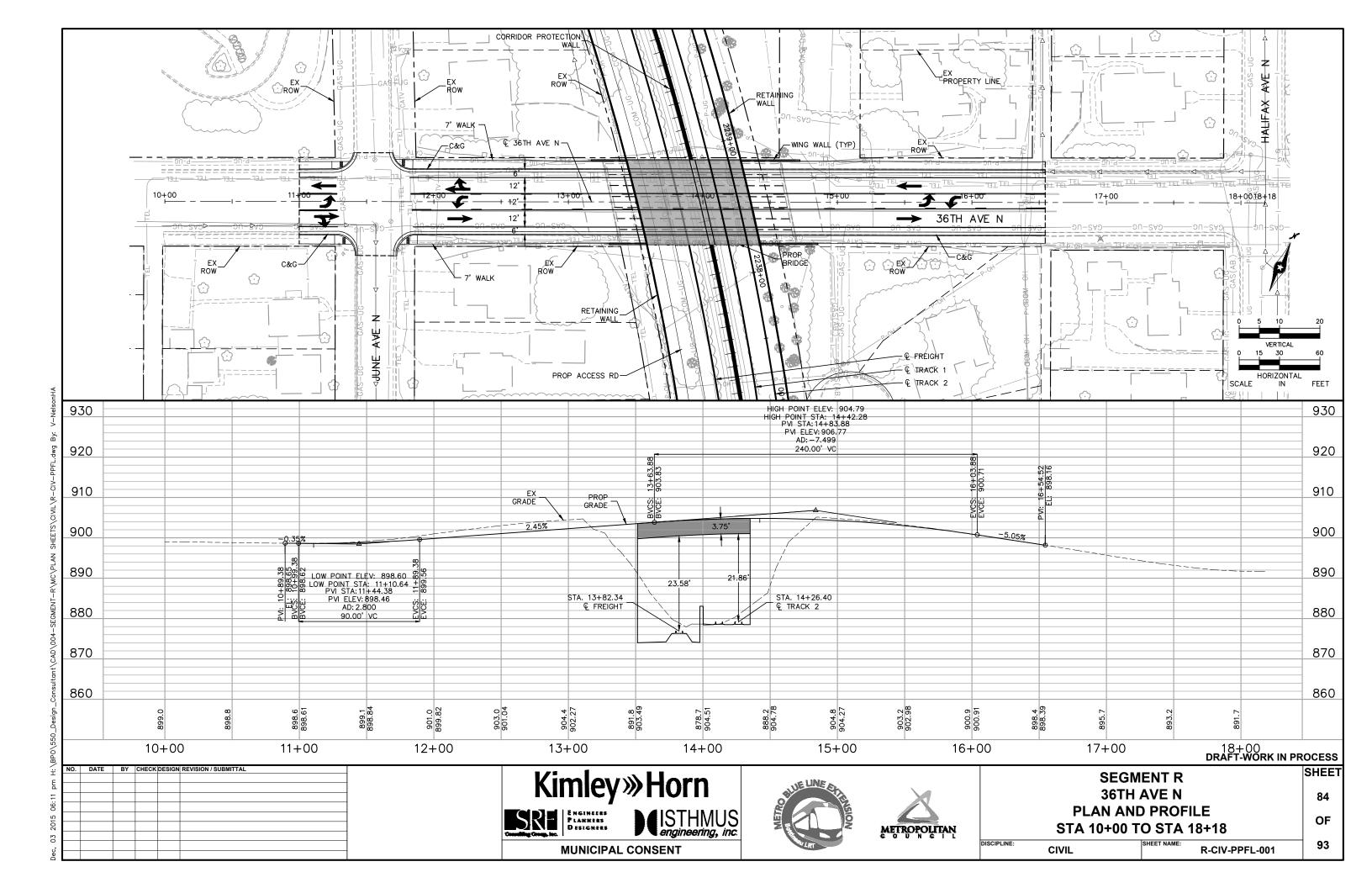
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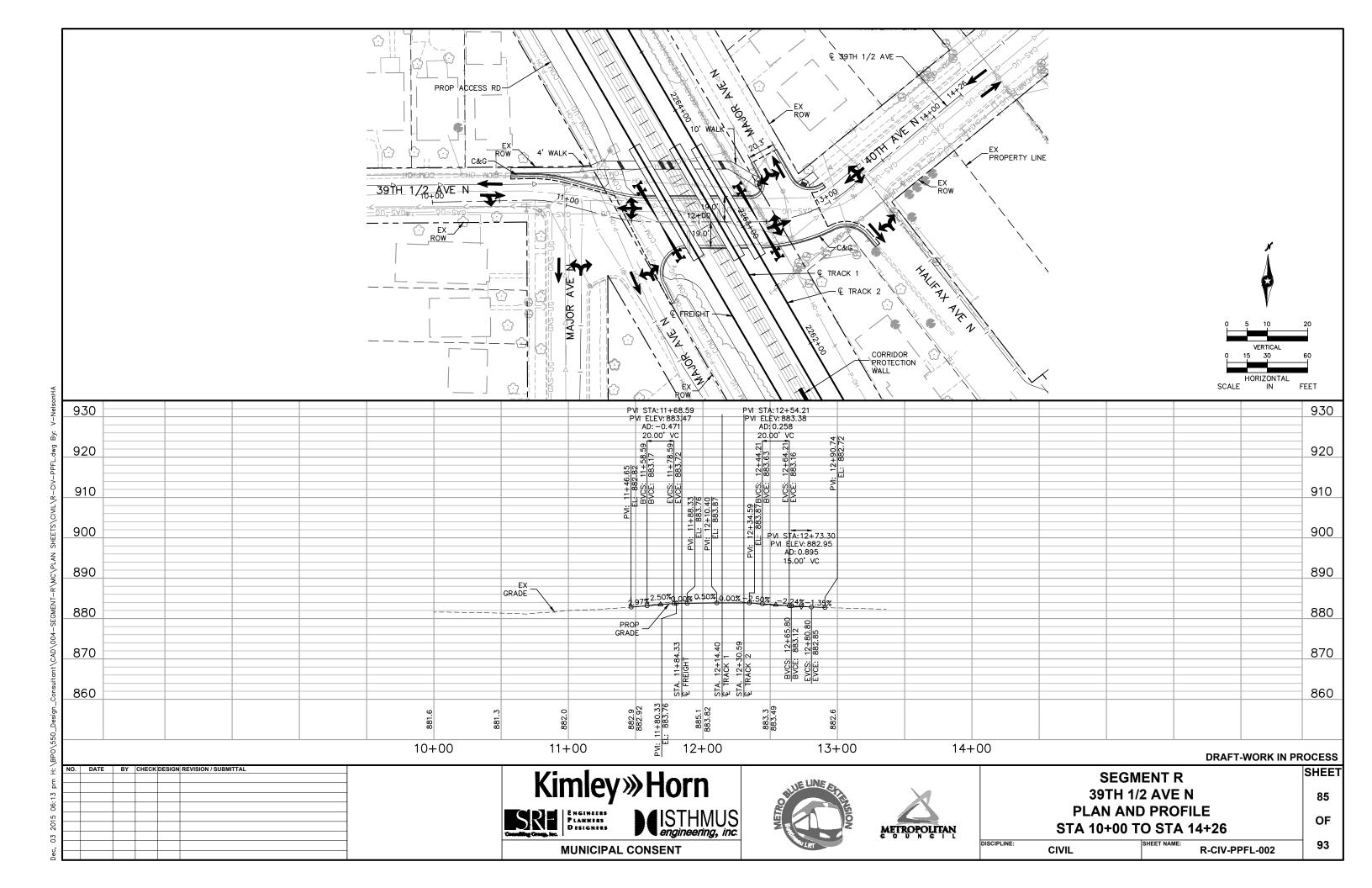
② STA 10+30 TO STA 12+45 EXISTING RIGHT-OF-WAY IS LOCATED OUTSIDE OF THE EXTENTS OF THE TYPICAL SECTION

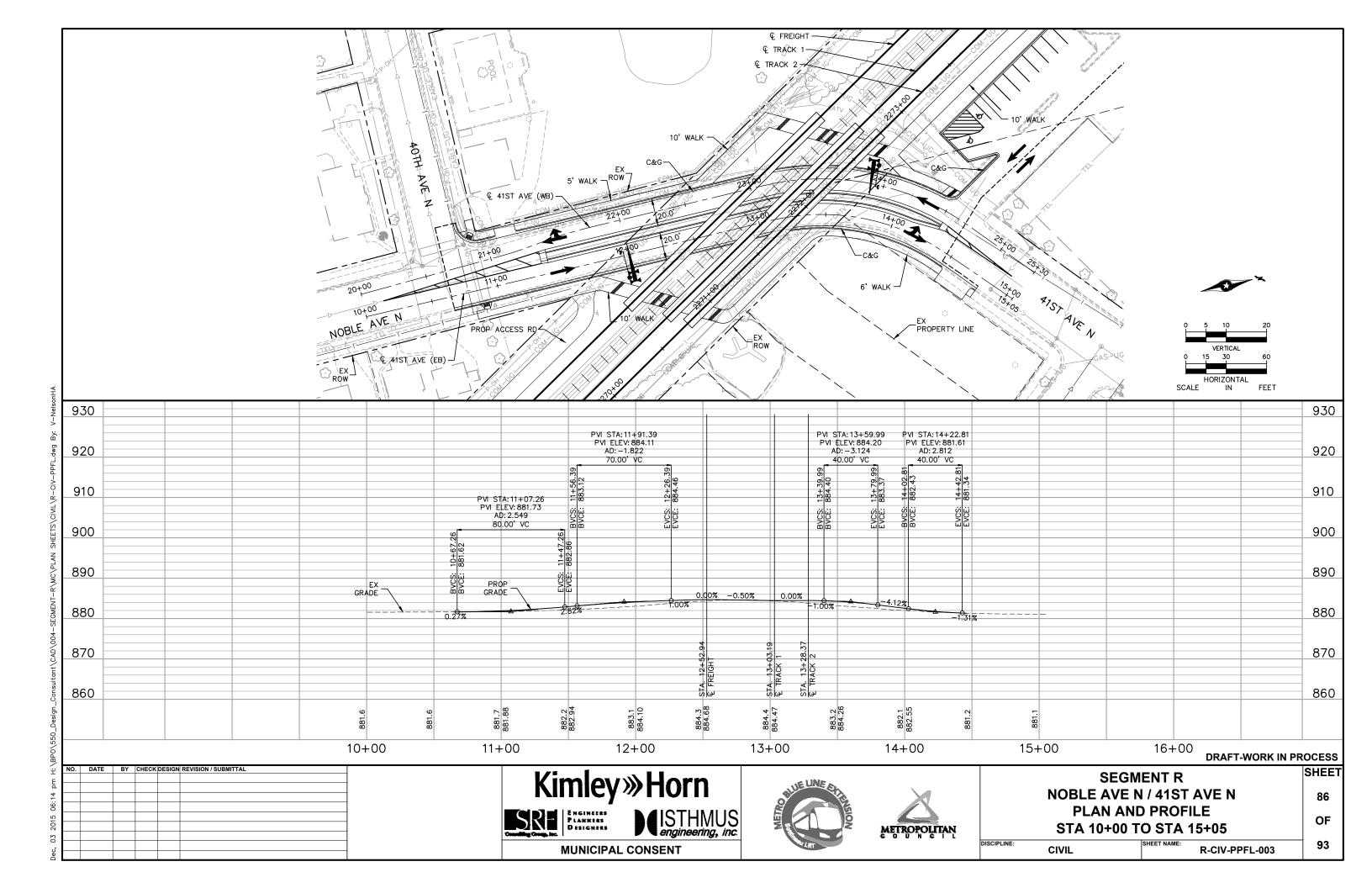
83 OF

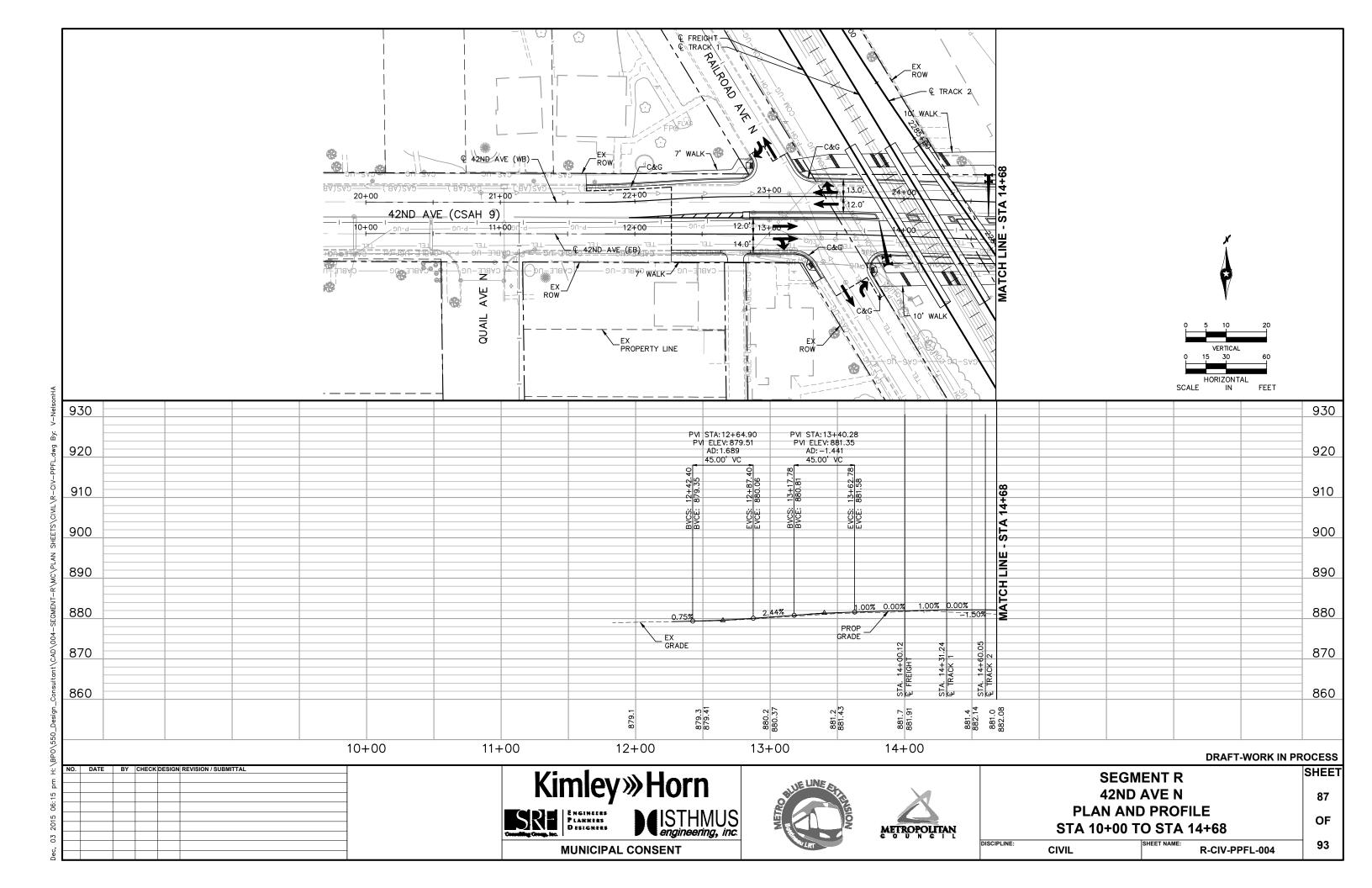
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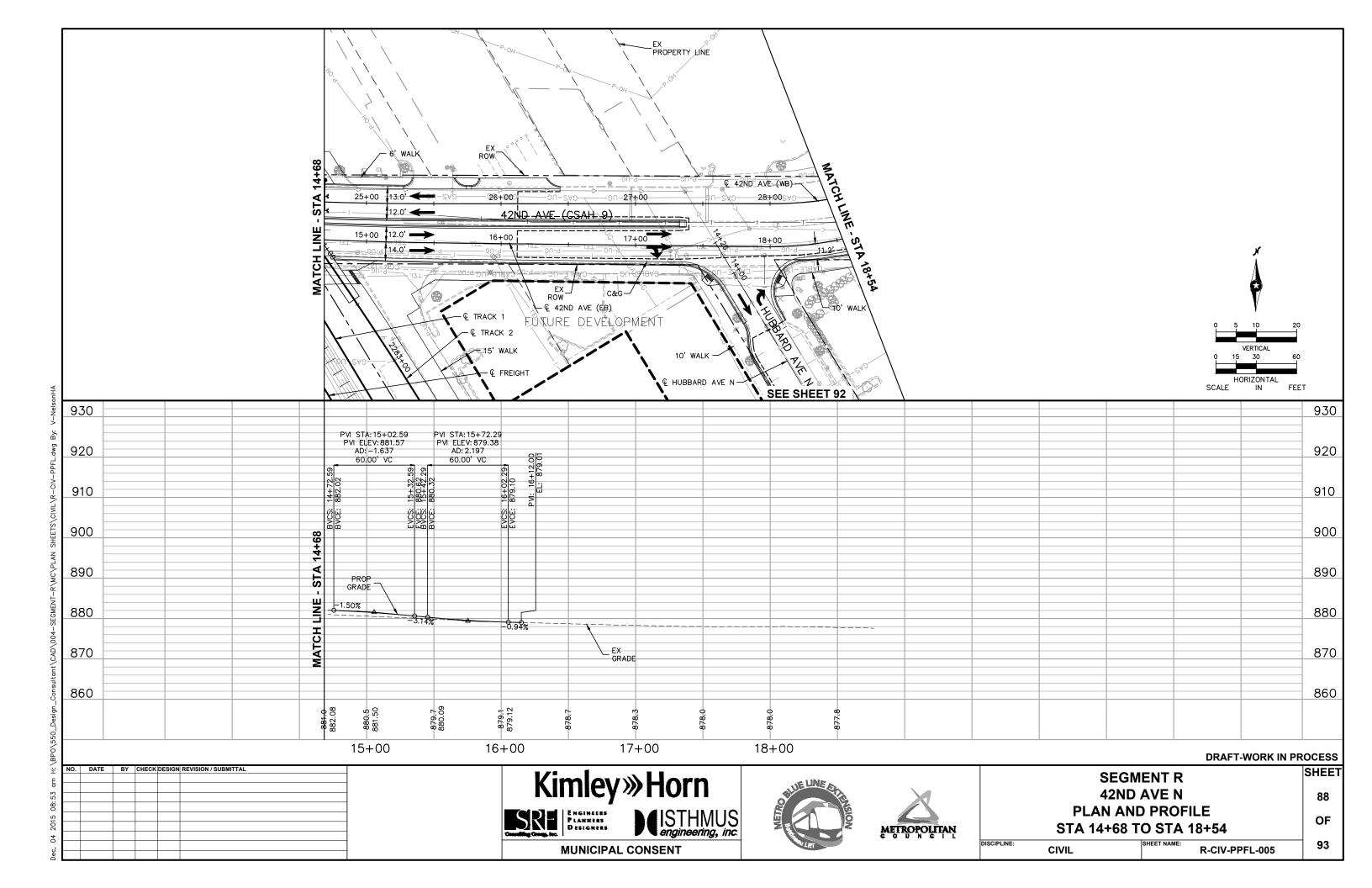
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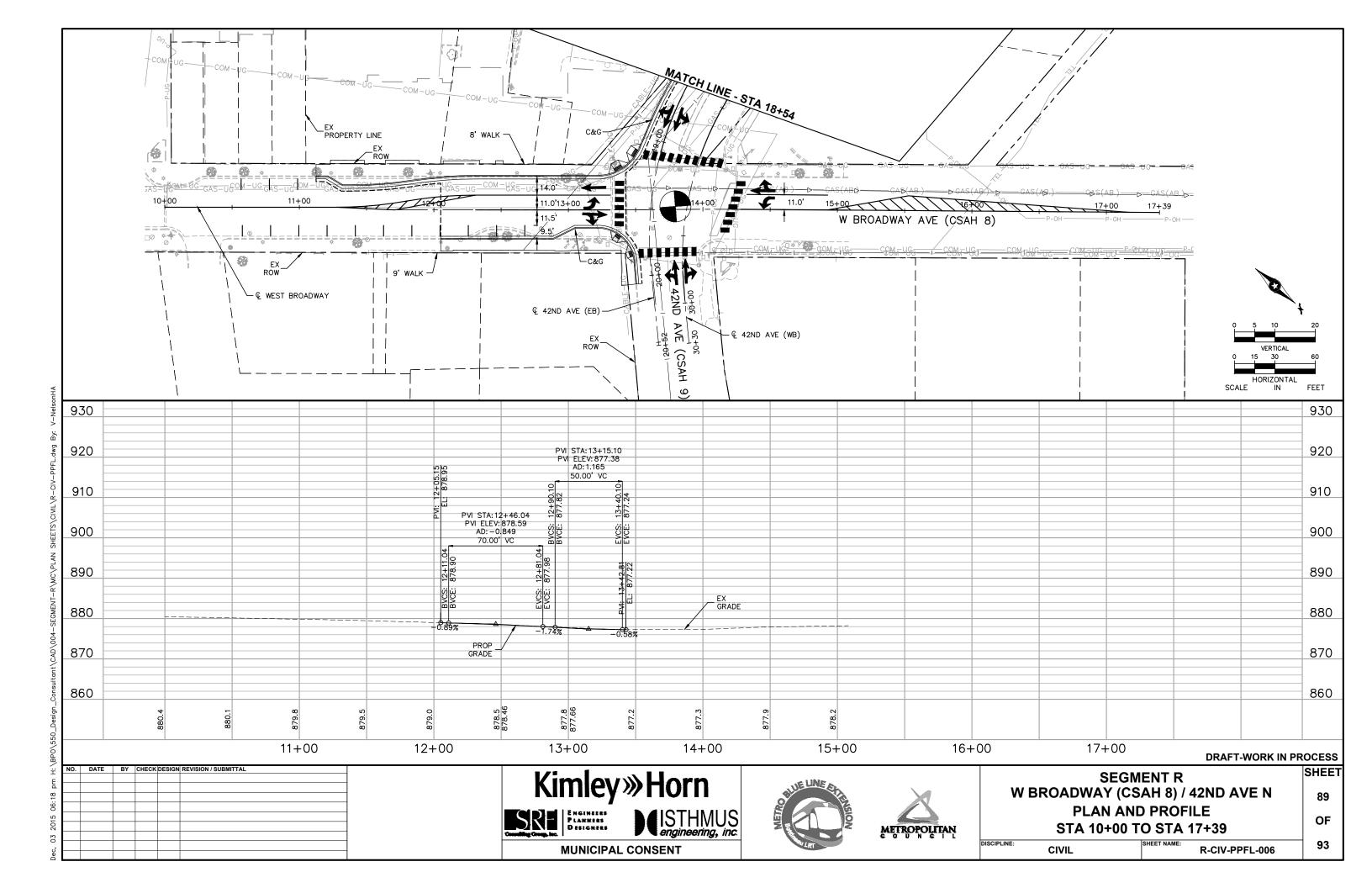


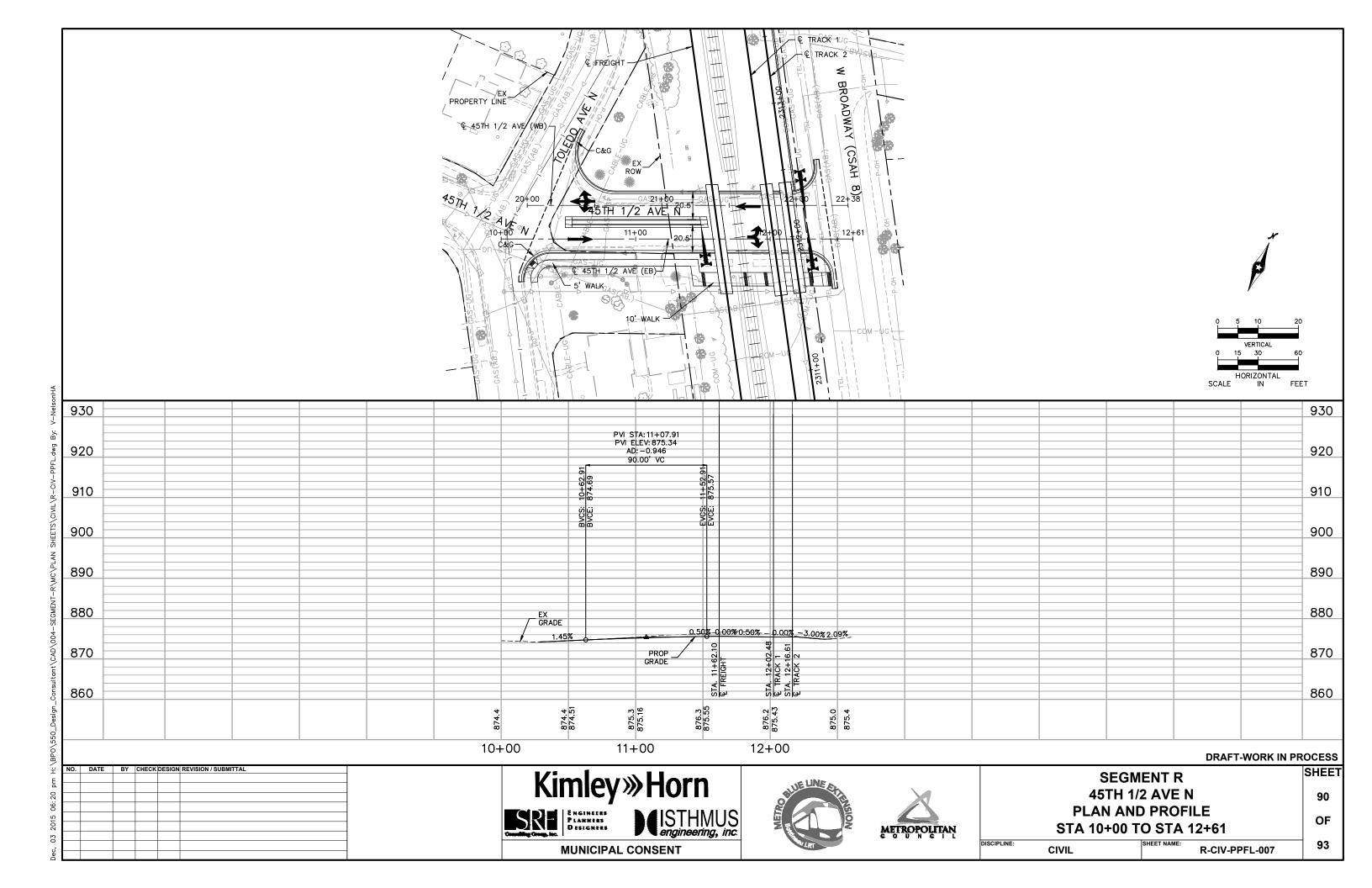


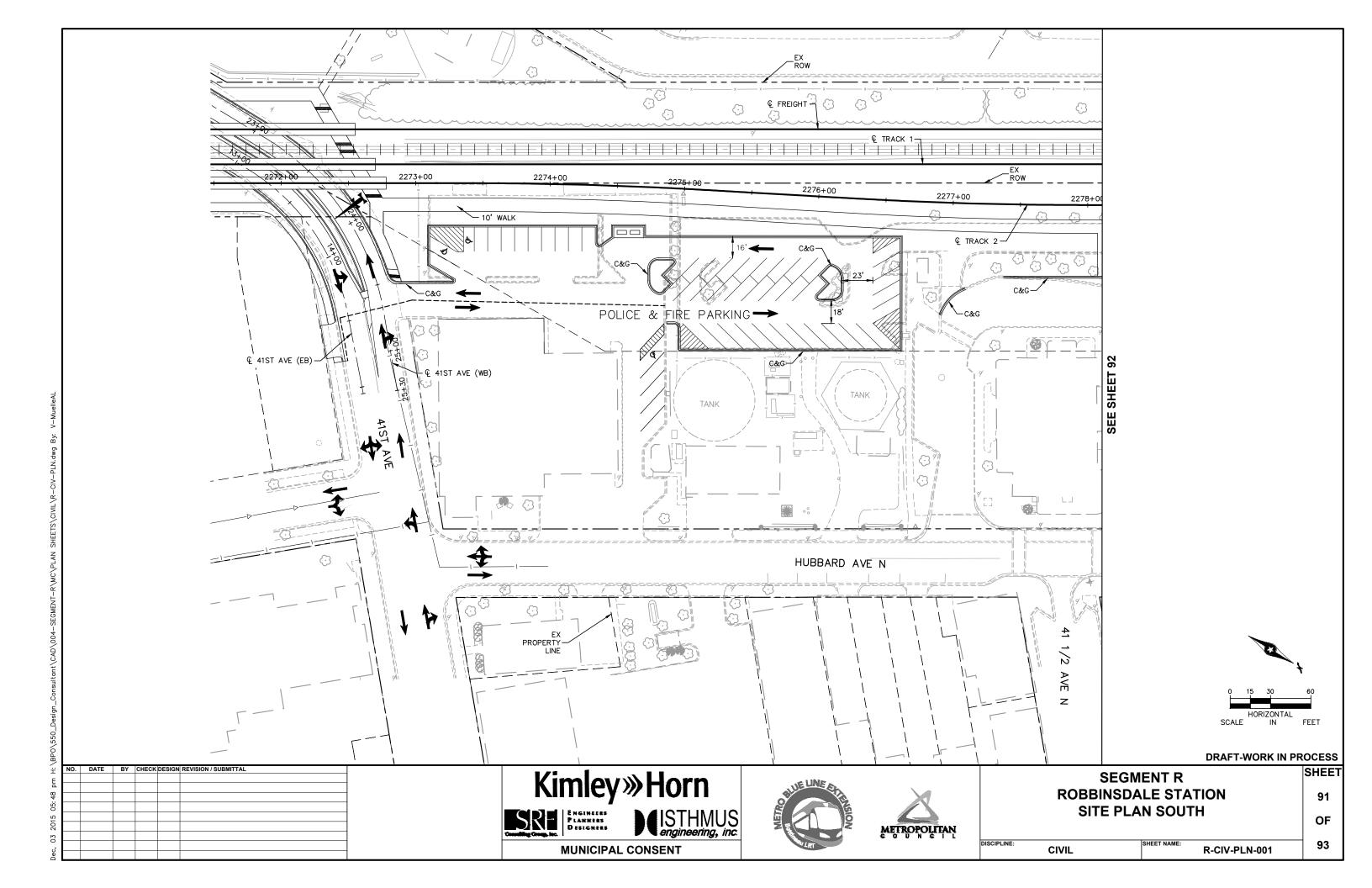


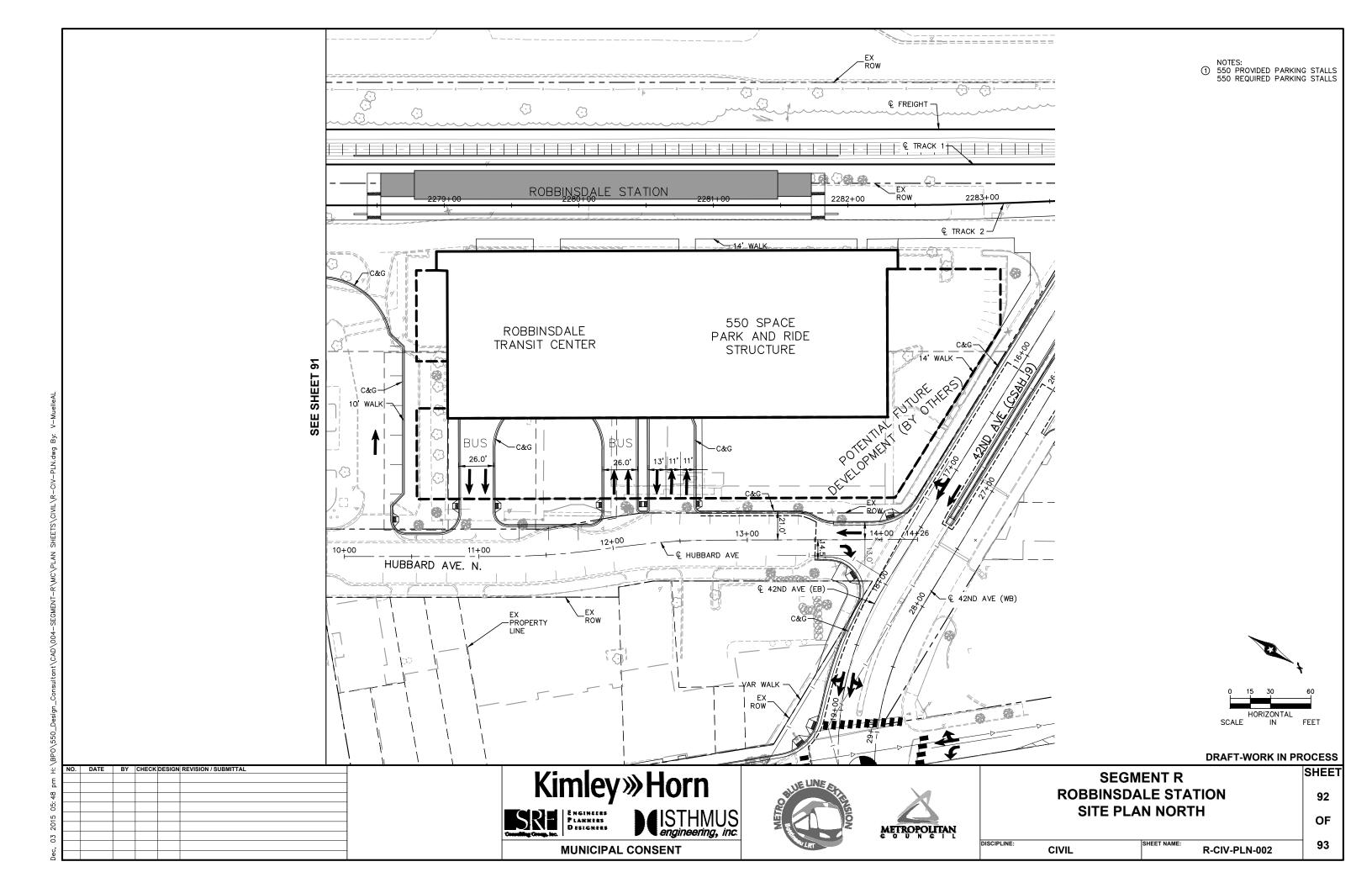


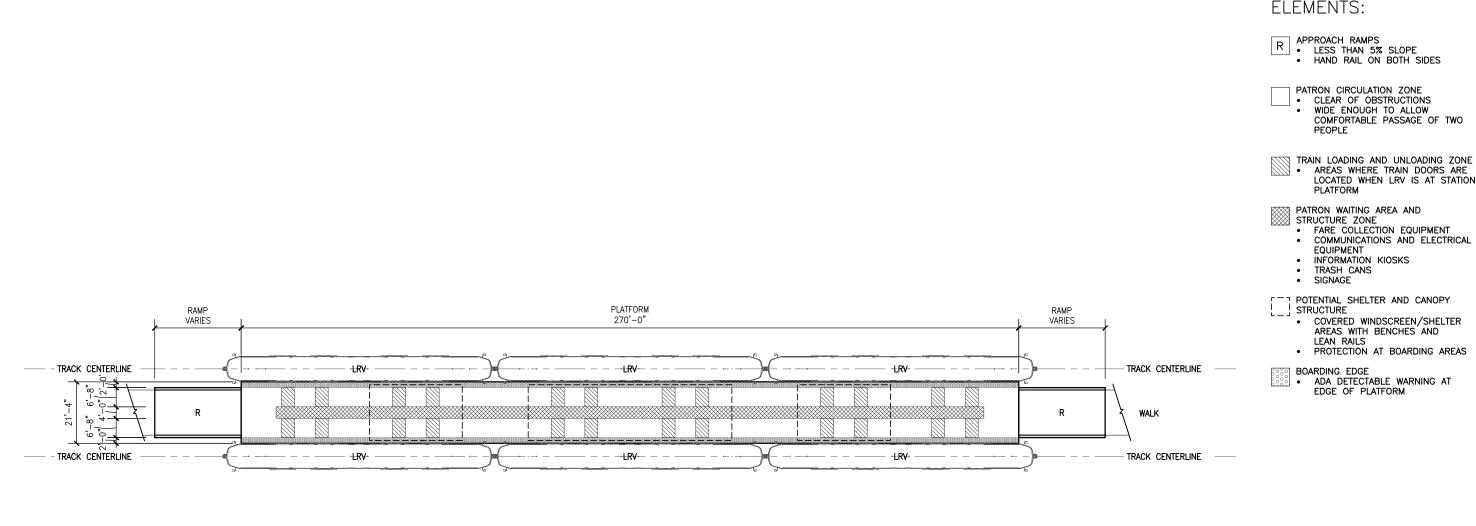












# STATION PLATFORM **ELEMENTS:**

PATRON CIRCULATION ZONE

CLEAR OF OBSTRUCTIONS

WIDE ENOUGH TO ALLOW COMFORTABLE PASSAGE OF TWO

TRAIN LOADING AND UNLOADING ZONE

AREAS WHERE TRAIN DOORS ARE
LOCATED WHEN LRV IS AT STATION
PLATFORM

- EQUIPMENT

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

**DRAFT-WORK IN PROCESS** 

R-ARC-STA-PLN-001

93

NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL **Kimley** Whorn miller dunwiddie **ARCHITECTURE MUNICIPAL CONSENT** 





SHEET **SEGMENT R** 93 **TYPICAL CENTER PLATFORM PLAN** OF DISCIPLINE:

**ARCHITECTURE**