



## CIVIL CONSTRUCTION

## VOLUME Q BID ALTERNATE 21 LOUISIANA STATION AREA TRAIL (LRCI 33)

PLAN PACKAGE INDEX / DESCRIPTION

**BID ALTERNATES** 

VOLUME C - BID ALTERNATE 3 (LRCI 5) ▲

VOLUME D - BID ALTERNATE 4 (LRCI 6)

VOLUME E - BID ALTERNATE 5 (LRCI 7)

VOLUME F - BID ALTERNATE 6 (LRCI 8)

VOLUME G - BID ALTERNATE 7 (LRCI 4) ▲

VOLUME H - BID ALTERNATE 8 (LRCI 10) VOLUME I - BID ALTERNATE 9 (LRCI 11)

VOLUME J - BID ALTERNATE 10 (LRCI 12)

VOLUME K - BID ALTERNATE 11 (LRCI 13)

VOLUME L - BID ALTERNATE 12 (LRCI 14)
VOLUME M - BID ALTERNATE 13 (LRCI 26)

VOLUME N - BID ALTERNATE 14 (LRCI 27)

VOLUME O - BID ALTERNATE 15 (LRCI 17)

VOLUME P - BID ALTERNATE 20 (LRCI 32)

VOLUME Q - BID ALTERNATE 21 (LRCI 33)

★ TO BE SUBMITTED AT A LATER DATE

SUBMITTED AT 75%, NOT INCLUDED IN 90%

**VOLUME A - NOT USED** 

**VOLUME B - NOT USED** 

CIVIL CONSTRUCTION

**VOLUME 1 - EXISTING CONDITIONS & REMOVALS** 

**VOLUME 2A - CIVIL** 

**VOLUME 2B - CIVIL** 

**VOLUME 3A - TRACKWORK** 

**VOLUME 3B - TRACKWORK** 

**VOLUME 4A - BRIDGES** 

**VOLUME 4B - BRIDGES** 

**VOLUME 4C - BRIDGES** 

**VOLUME 4D - BRIDGES** 

VOLUME 4E - BRIDGES VOLUME 4F - BRIDGES

**VOLUME 4G - BRIDGES** 

**VOLUME 5 - TUNNELS** 

**VOLUME 7 - UTILITIES** 

**VOLUME 8 - DRAINAGE** 

VOLUME 10A - TRAFFIC

VOLUME 10B - LIGHTING \*

VOLUME 11A - STATIONS

VOLUME 11B - STATIONS

VOLUME 11C - STATIONS

VOLUME 11D - STATIONS

VOLUME 11E - STATIONS

VOLUME 12 - SYSTEMS

**VOLUME 6 - RETAINING WALLS** 

VOLUME 9 - URBAN DESIGN / LANDSCAPE

**VOLUME 3C - TRACKWORK DETAILS** 

90% SUBMISSION DATE: 01/22/16

CITY OF ST LOUIS PARK

APPROVED:\_\_\_\_\_\_DATE:\_\_\_\_\_

THE PROPOSED SOUTHWEST LRT PROJECT IS NOT FINAL BUT IS STILL UNDER ENVIRONMENTAL REVIEW AND THE PROJECT IS SUBJECT TO CHANGE. THESE PLANS ARE NOT FINAL.

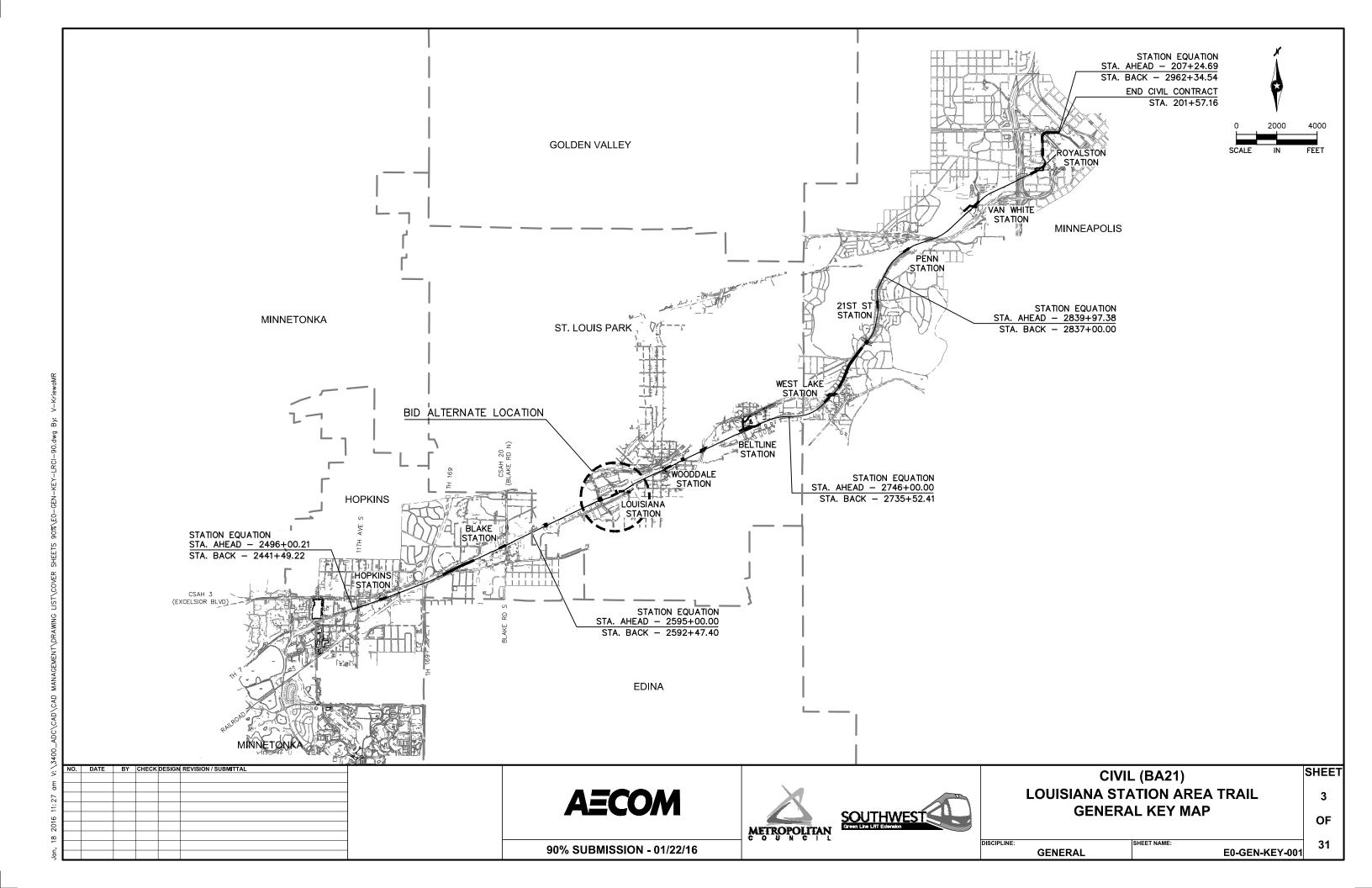
THE COUNCIL, THROUGH THE DEVELOPMENT OF THESE PLANS, DOES NOT INTEND THAT THEY WILL PREJUDICE OR COMPROMISE ANY STATE OR FEDERAL ENVIRONMENTAL REVIEW OR OTHER LEGAL REQUIREMENTS. THESE PLANS DO NOT LIMIT THE PROJECT DESIGN ALTERNATIVES OR MITIGATIVE MEASURES THAT THE COUNCIL MAY UNDERTAKE IF THE PROPOSED SWLRT PROJECT PROCEEDS TO CONSTRUCTION.

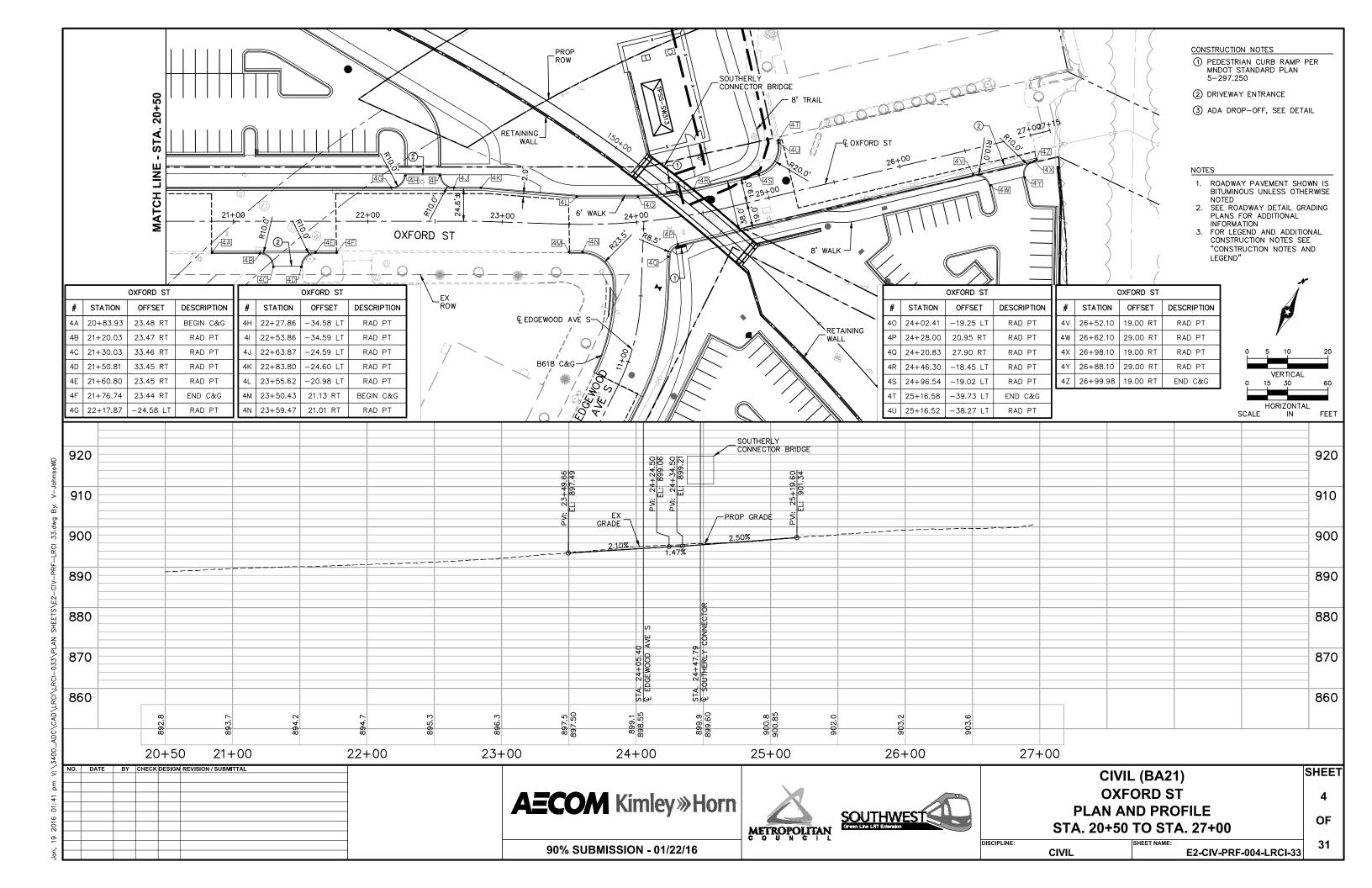
THE COUNCIL WILL NOT TAKE FINAL ACTION ON THIS MATTER UNLESS THE COUNCIL PROCEEDS WITH THE PROJECT AFTER THE FTA'S RECORD OF DECISION AND THE COUNCIL'S DETERMINATION OF ADEQUACY.

WARNING: THIS RECORD MAY CONTAIN SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATION OF THE TRANSPORTATION SECURITY ADMINISTRATION OR THE SECRETARY OF TRANSPORTATION. UNAUTHORIZED RELEASE MAY RESULT IN CIVIL PENALTY OR OTHER ACTION. FOR U.S. GOVERNMENT AGENCIES, PUBLIC DISCLOSURE IS GOVERNED BY 5 U.S.C. 552 AND 49 CFR PARTS 15 AND 1520.



			CIVIL CONSTRUCTION			I		CIVIL CONSTRU	CTION		1		CIVIL CO	NSTRUCTION		
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AECOM  CIVIL (BA21)  LOUISIANA STATION AREA TRAIL  VOLUME INDEX OF PLAN SHEETS	31			262+00	269+00											
AECOM  SOUTHWEST  OISCIPLINE  SHEET NAME:  SHEET NAME:  SHEET NAME:			STRIPING		100 00											
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	10. 1	DATE BY CHECK DESIGN REVISION	N / SUBMITTAL						METROPOLITE WETROPOLITE	SOUTHWES Green Line Lift Extension		VO	UISIANA S	TATION ARE EX OF PLAN		SHE 2 OF
	+						90% SUBMISS	SION - 01/22/16					ENERAL	SHEET WANTE:	00-GEN-IDX	- <sub>001</sub> 31





## ALIGNMENT DATA LOUISIANA TRAIL EXTENSION

	EGGISIANA TRAIL EXTENSION													
SEGMENT NUMBER	BEGINNING STATION		PI STATION	NOTES	DELTA	DEGREE	RADIUS (FT)	TANGENT (FT)	LENGTH (FT)	BEGINNING COORDINATES NORTHING	BEGINNING COORDINATES EASTING	ENDING COORDINATES NORTHING	ENDING COORDINATES EASTING	AZIMUTH
L103	10+00.00	11+52.91							152.91	155949.35	511770.73	156102.26	511772.04	0°29'31"
C78	11+52.91	12+41.53	11+97.26		6*22'43"	7°11'52.72"	796.00	44.35	88.62	156102.26	511772.04	156190.65	511777.73	0°29'31" 6°52'14"
C79	12+41.53	13+30.14	12+85.88		6*22'43"	7*11'52.72"	796.00	44.35	88.62	156190.65	511777.73	156279.03	511783.42	6°52'14" 0°29'31"
L104	13+30.14	13+92.57							62.43	156279.03	511783.42	156341.46	511783.95	0*29'31"

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NU. DATE BY CHECK DESIGN REVISION / SUBMITTAL

**AECOM** Kimley»Horn





CIVIL (BA21) TRAIL ALIGNMENT TABULATIONS SHEET 1A

SHEET NAME:

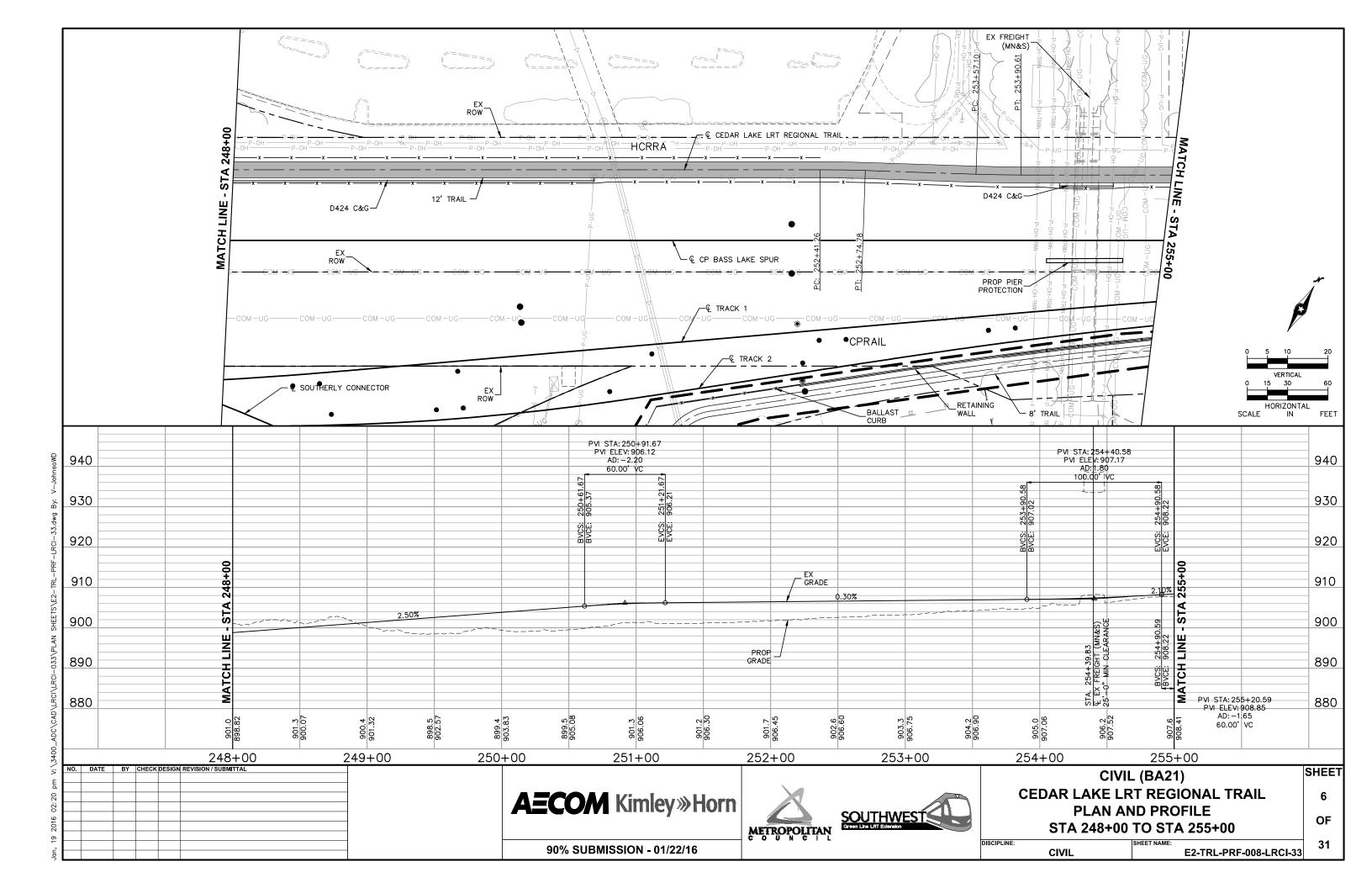
90% SUBMISSION - 01/22/16

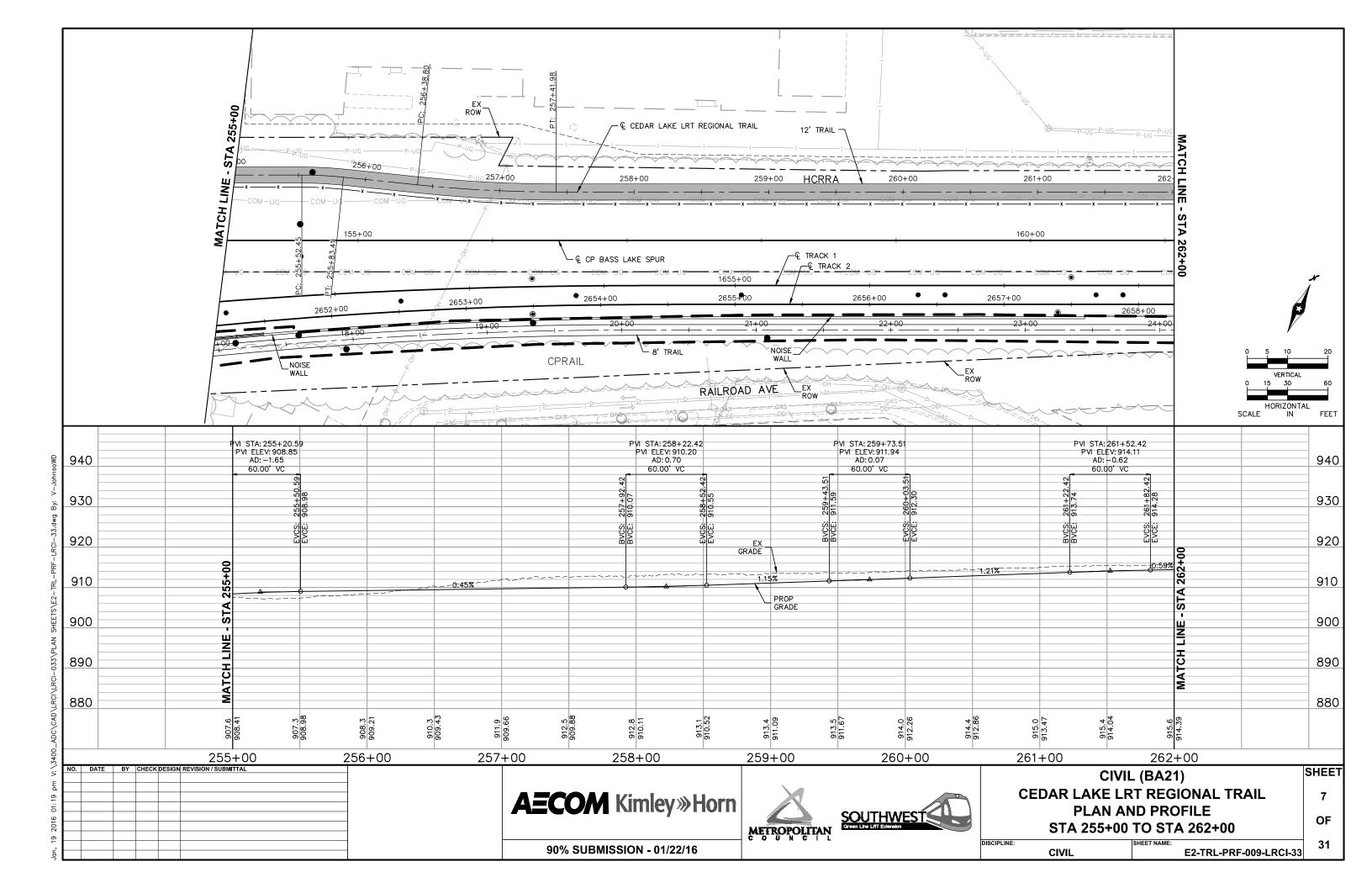
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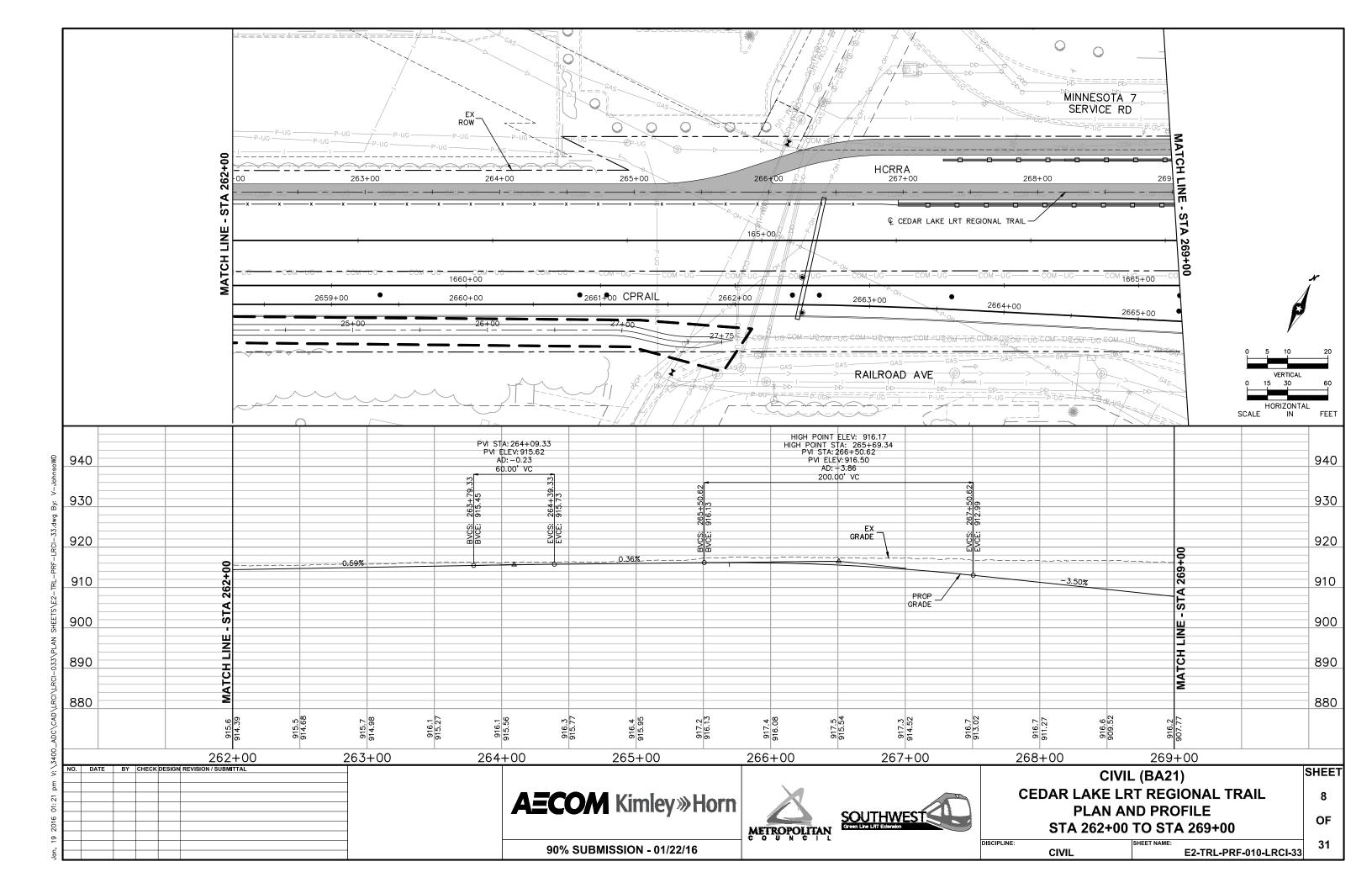
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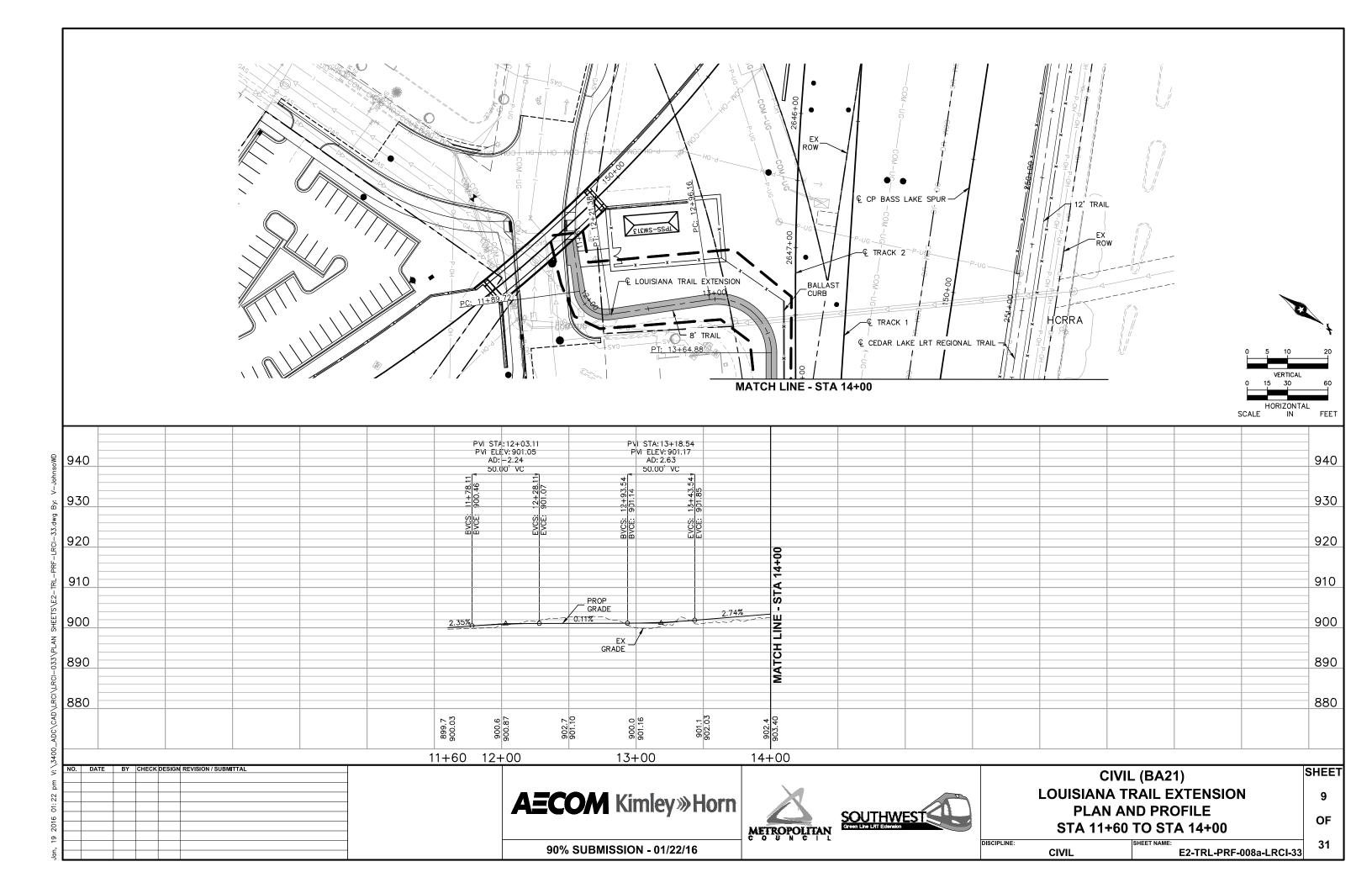
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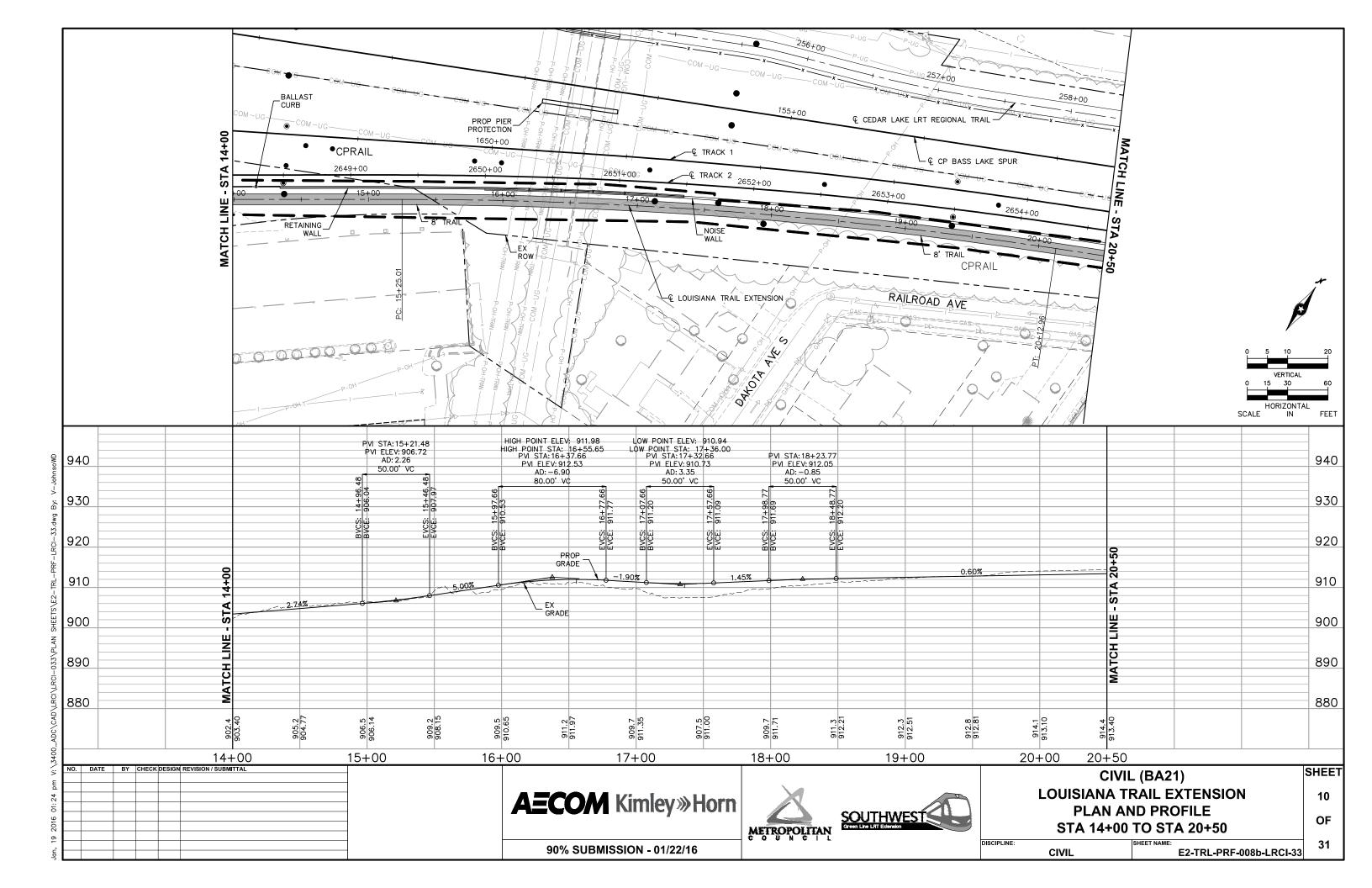
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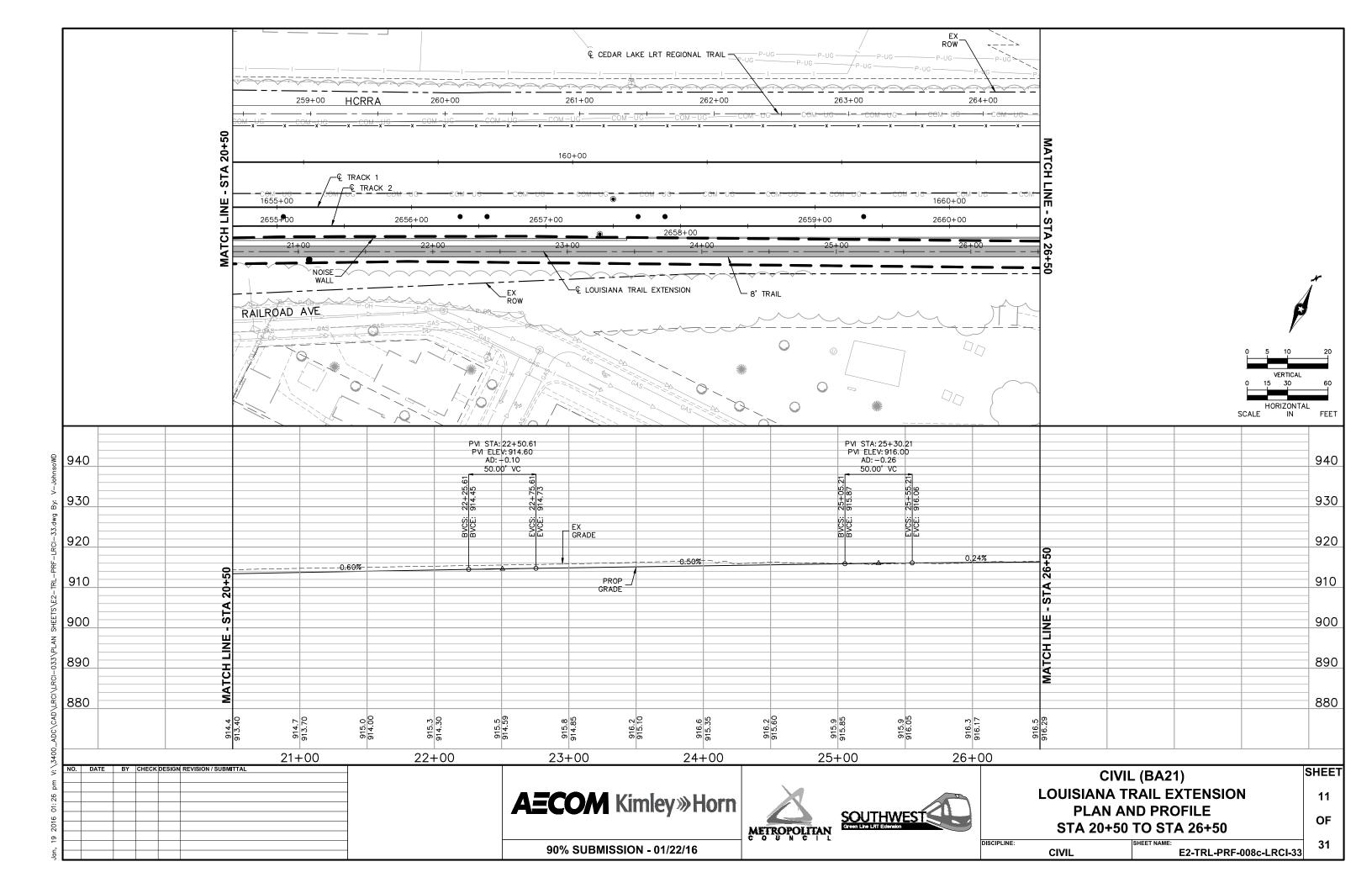


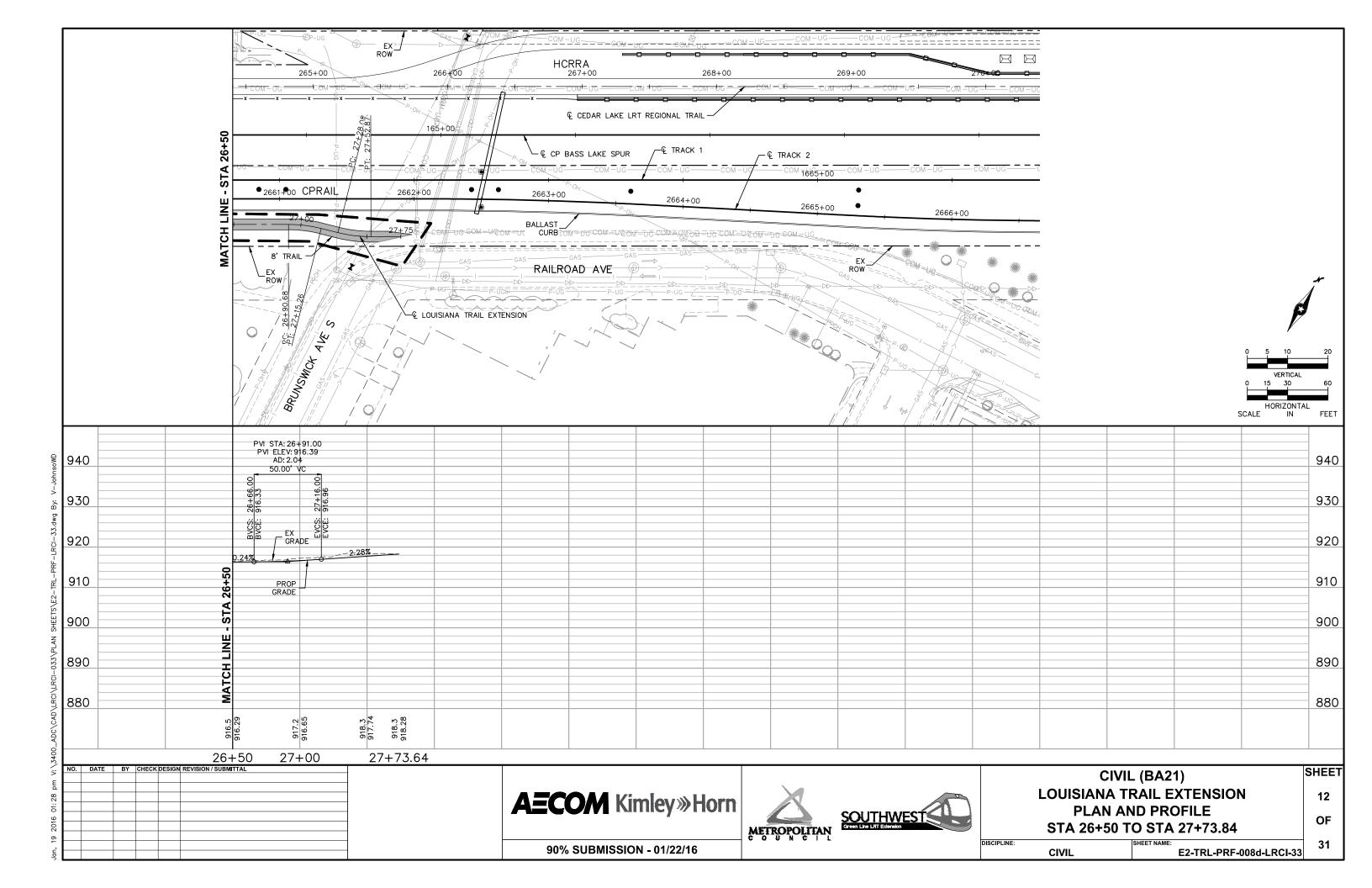


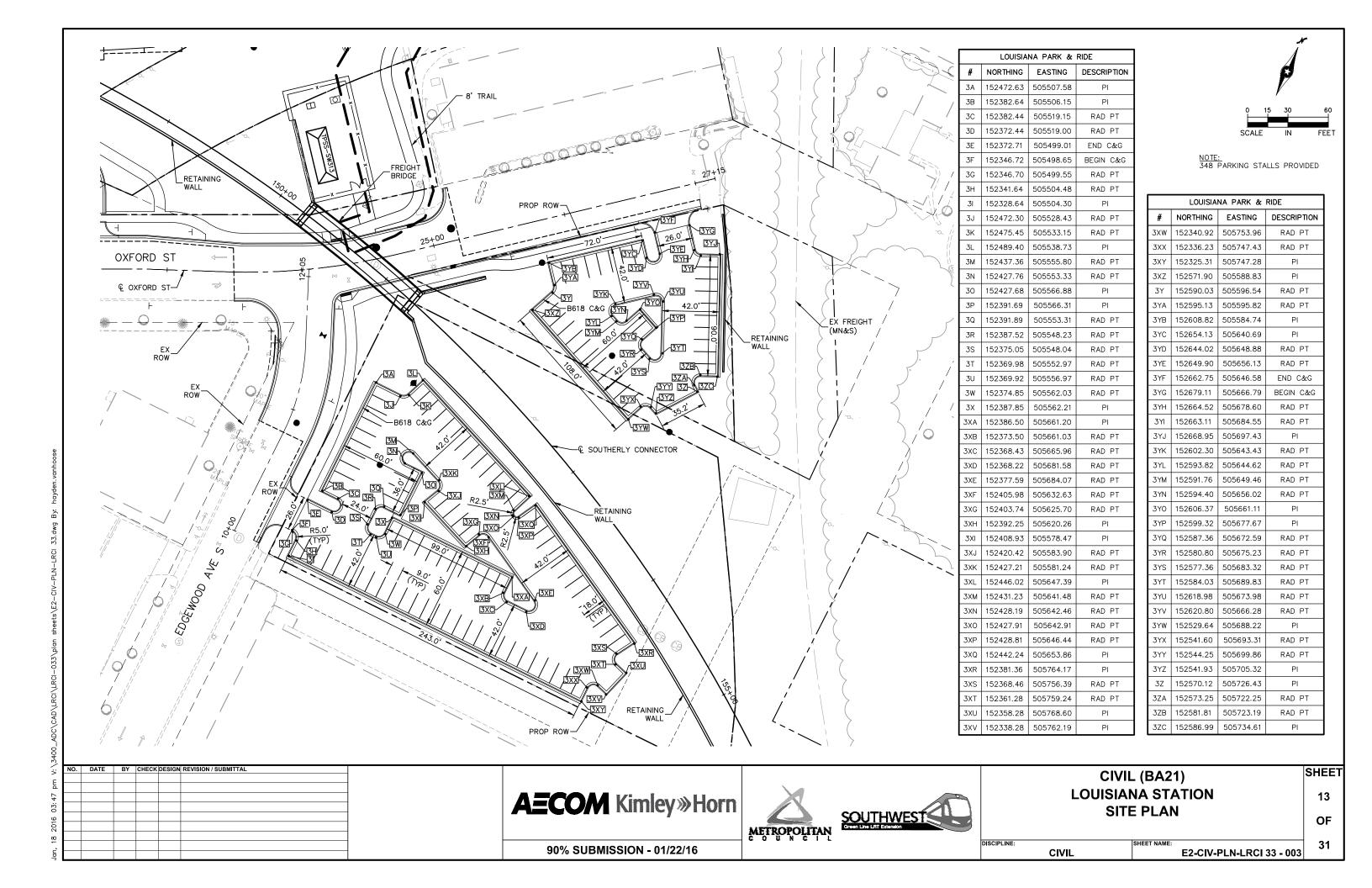


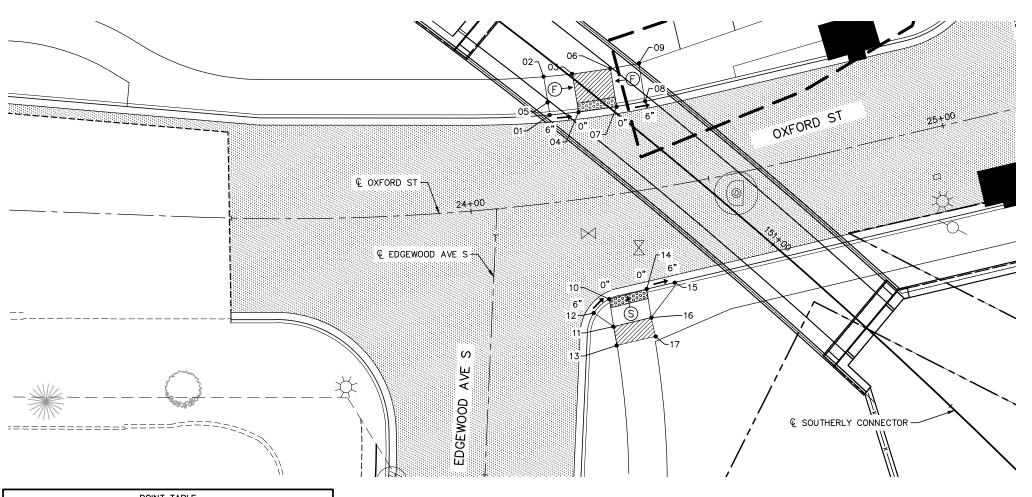


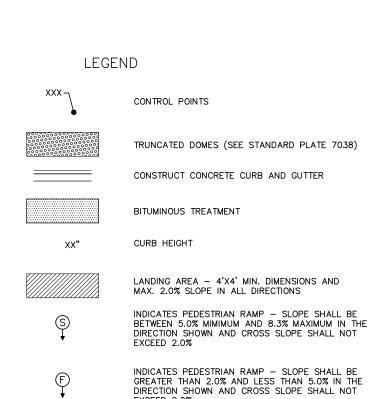












POINT TABLE										
#	DESCRIPTION	STATION	OFFSET	ELEVATION	REFERENCE ALIGNMENT					
01	F/L	24+18.76	-18.27 LT	???	OXFORD ST					
02	TOP SWK MATCH	24+18.42	-26.29 LT	???	OXFORD ST					
03	LANDING	24+24.79	-26.11 LT	???	OXFORD ST					
04	F/L	24+25.02	-18.11 LT	???	OXFORD ST					
05	TOP SWK MATCH	24+18.65	-20.95 LT	???	OXFORD ST					
06	LANDING	24+33.26	-26.07 LT	???	OXFORD ST					
07	F/L	24+33.34	-18.07 LT	???	OXFORD ST					
08	F/L	24+39.58	-18.19 LT	???	OXFORD ST					
09	TOP SWK	24+39.61	-26.19 LT	???	OXFORD ST					
10	F/L	24+26.04	21.40 RT	???	OXFORD ST					
11	LANDING	24+26.13	27.16 RT	???	OXFORD ST					
12	F/L	24+22.65	23.83 RT	???	OXFORD ST					
13	LANDING	24+26.28	31.14 RT	???	OXFORD ST					
14	F/L	24+33.68	20.46 RT	???	OXFORD ST					
15	F/L	24+39.39	20.03 RT	???	OXFORD ST					
16	LANDING	24+33.70	26.47 RT	???	OXFORD ST					
17	LANDING	24+33.99	30.46 RT	???	OXFORD ST					

**AECOM** Kimley»Horn





CIVIL (BA21) **OXFORD ST INTERSECTION DETAILS** SHEET 14

DRAINAGE FLOW ARROW

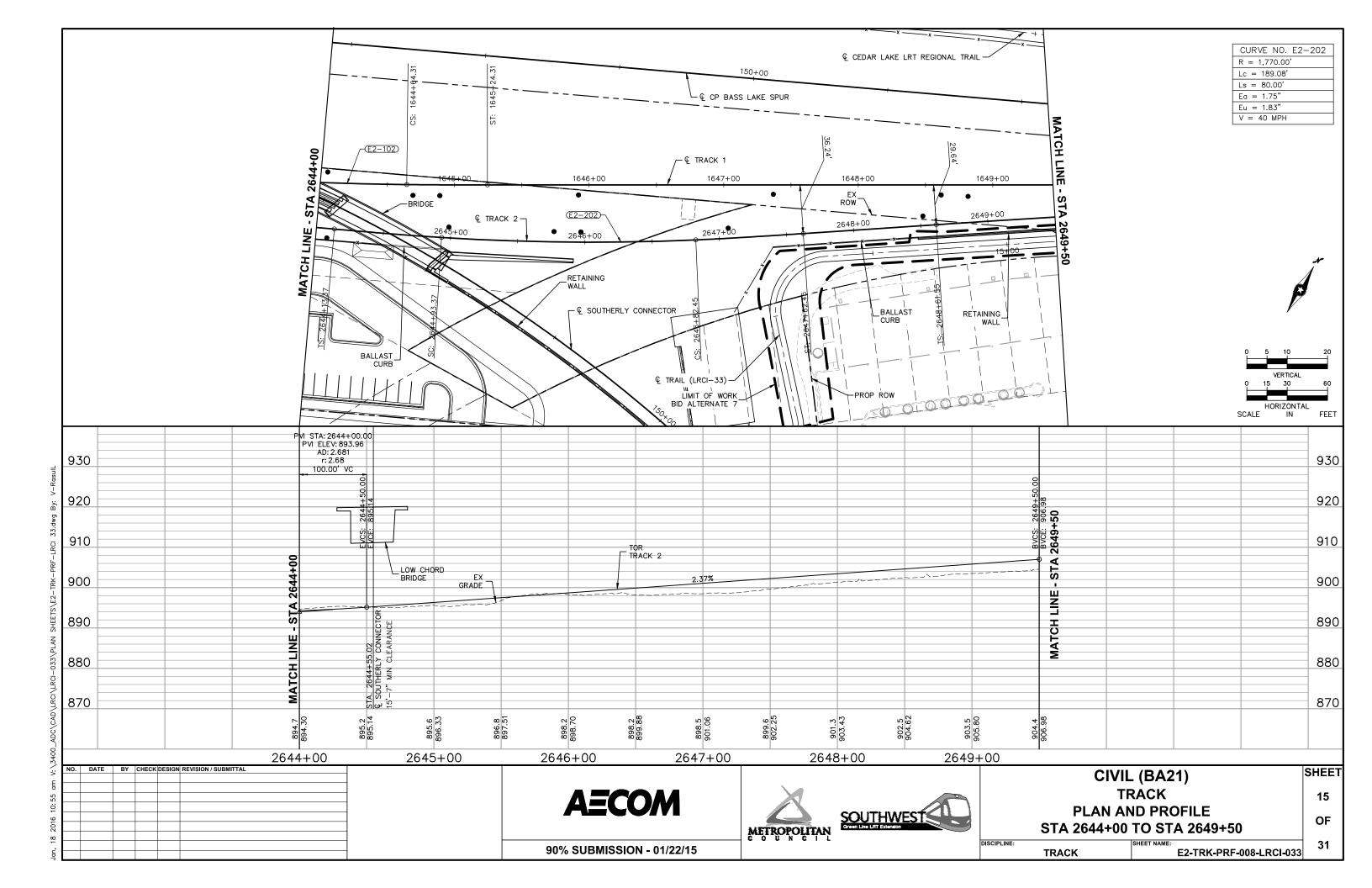
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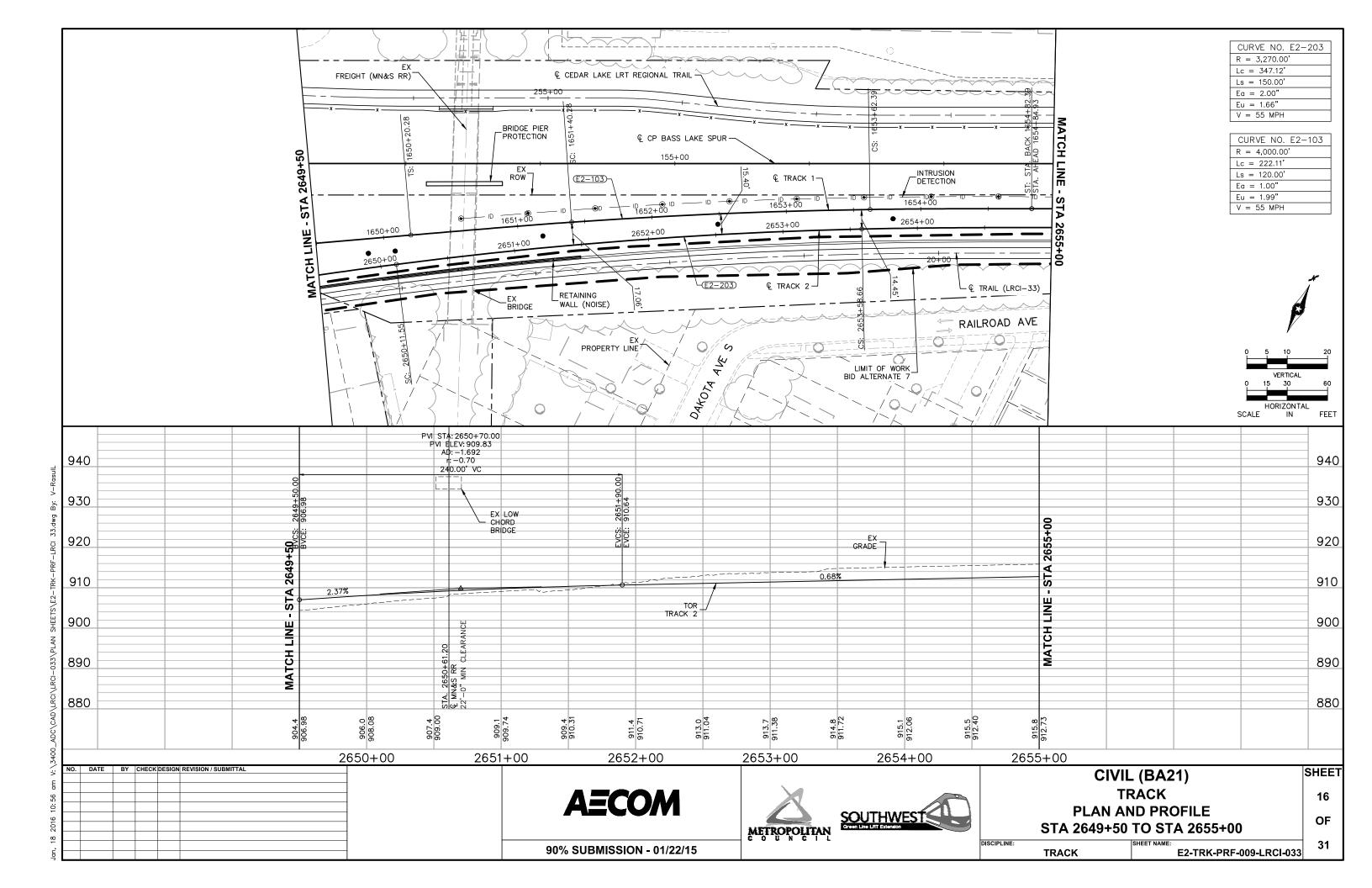
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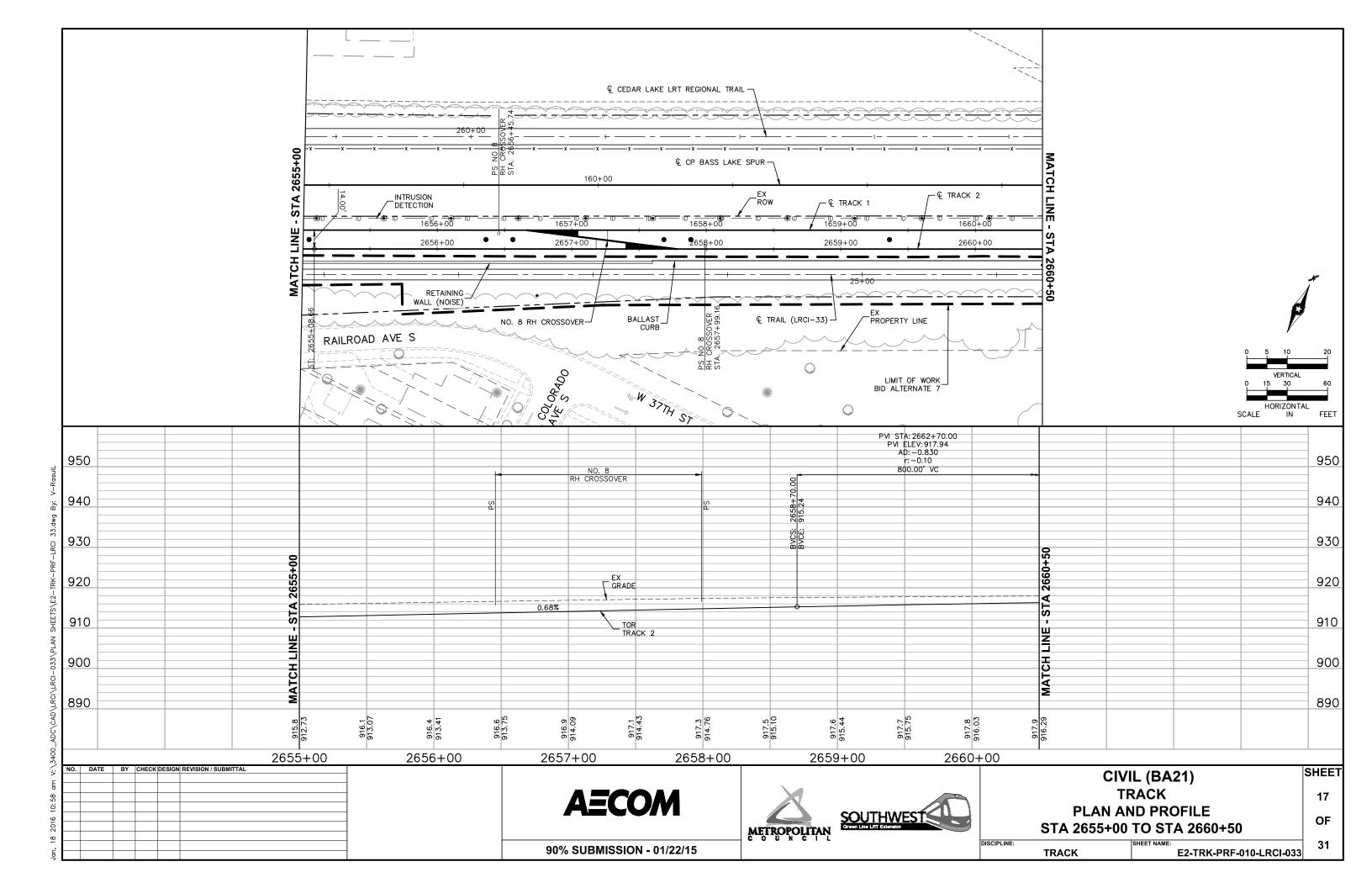
90% SUBMISSION - 01/22/16

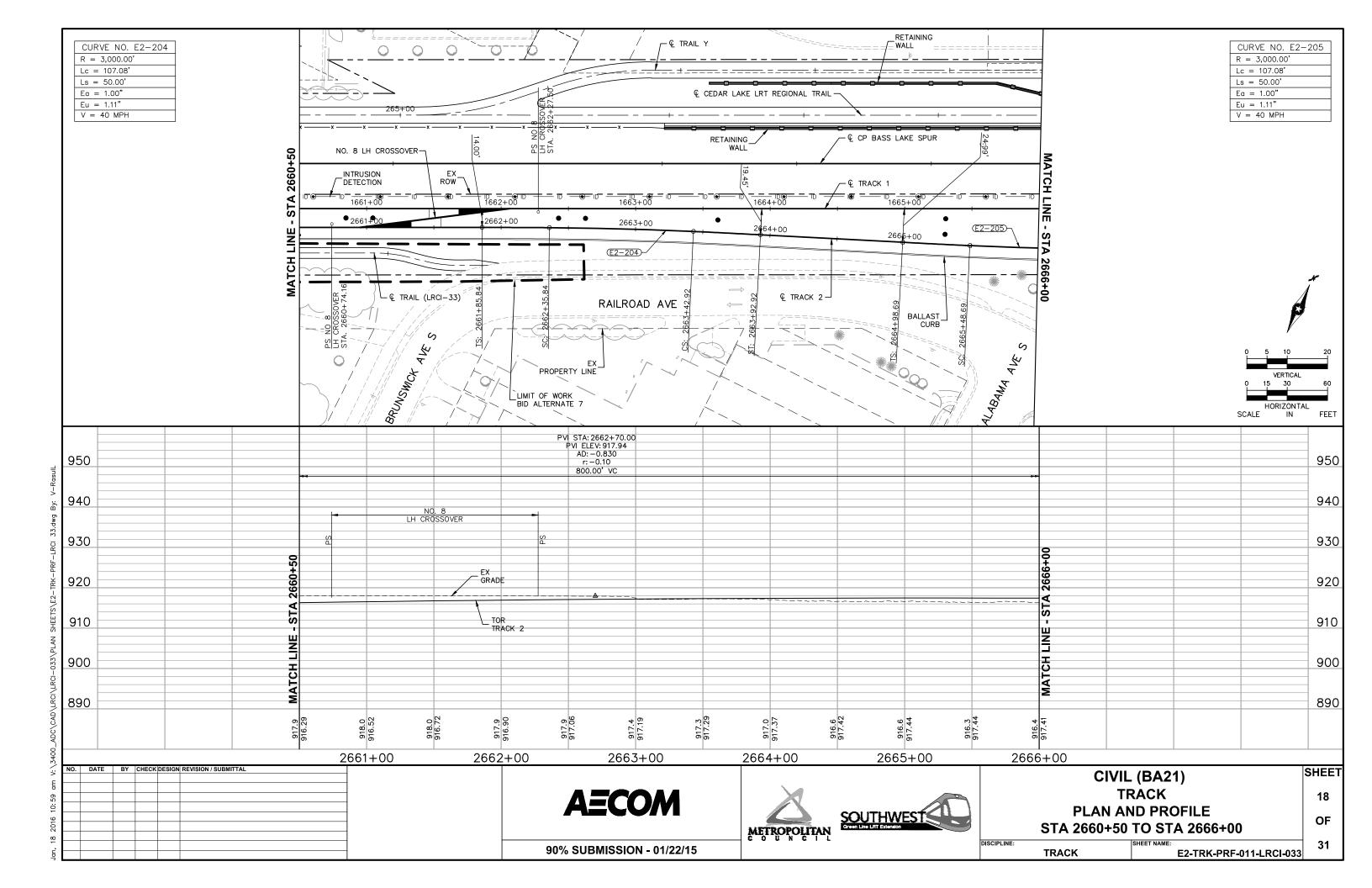
DISCIPLINE: CIVIL

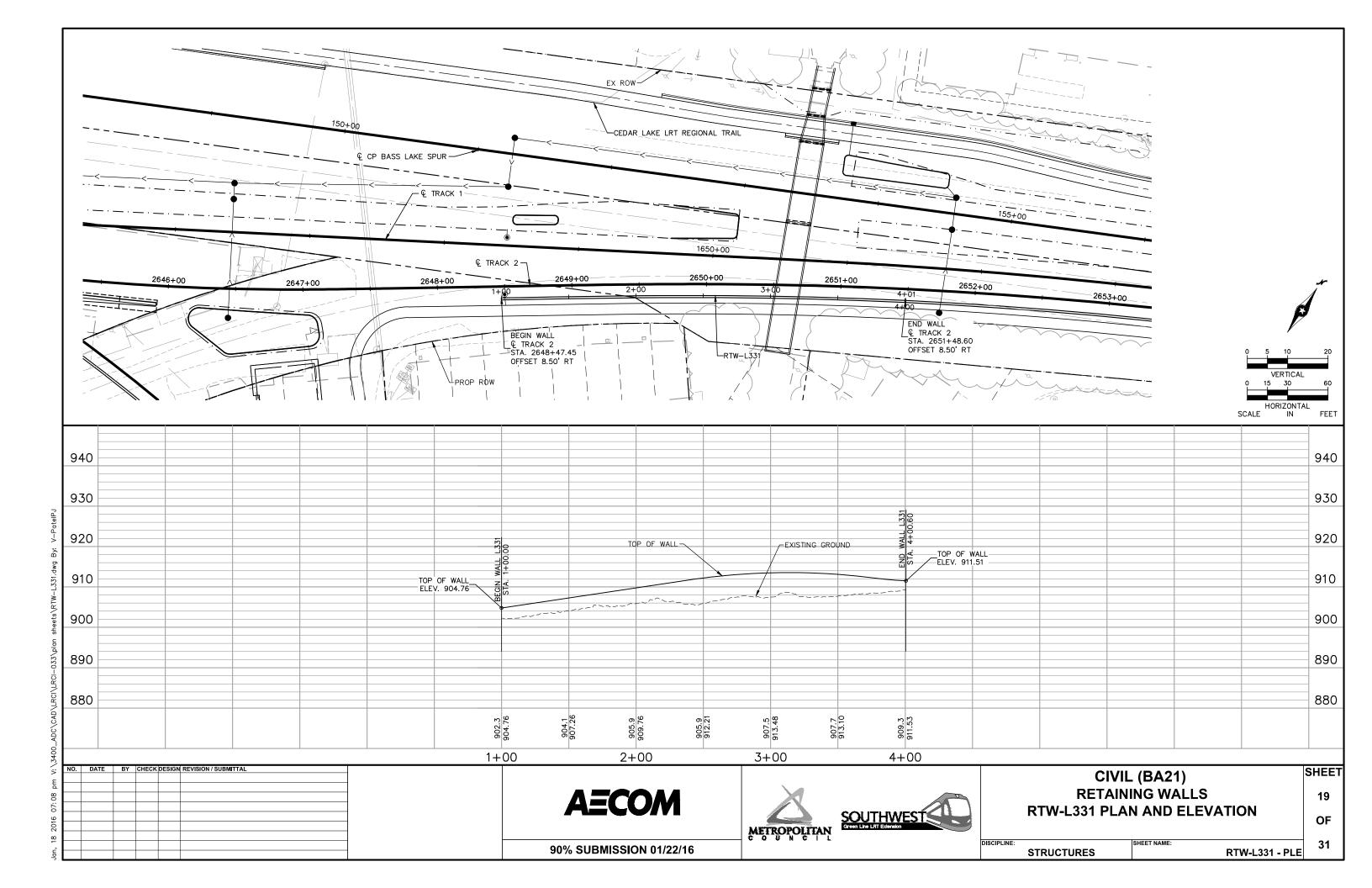
E2-CIV-ADA-LRCI-33 - 004

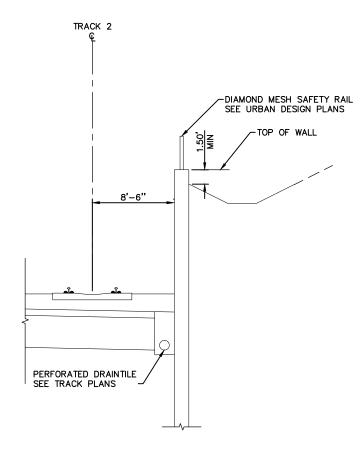












NOTE:

1. RETAINING WALL TO BE SHEET PILE

RTW-L331 SECTION NOT TO SCALE

NO. DATE BY CHECK DESIGN REVISION / SUBMITTAL

**AECOM** 





## CIVIL (BA21) **RETAINING WALLS RTW-L331 GEOMETRY**

20 OF

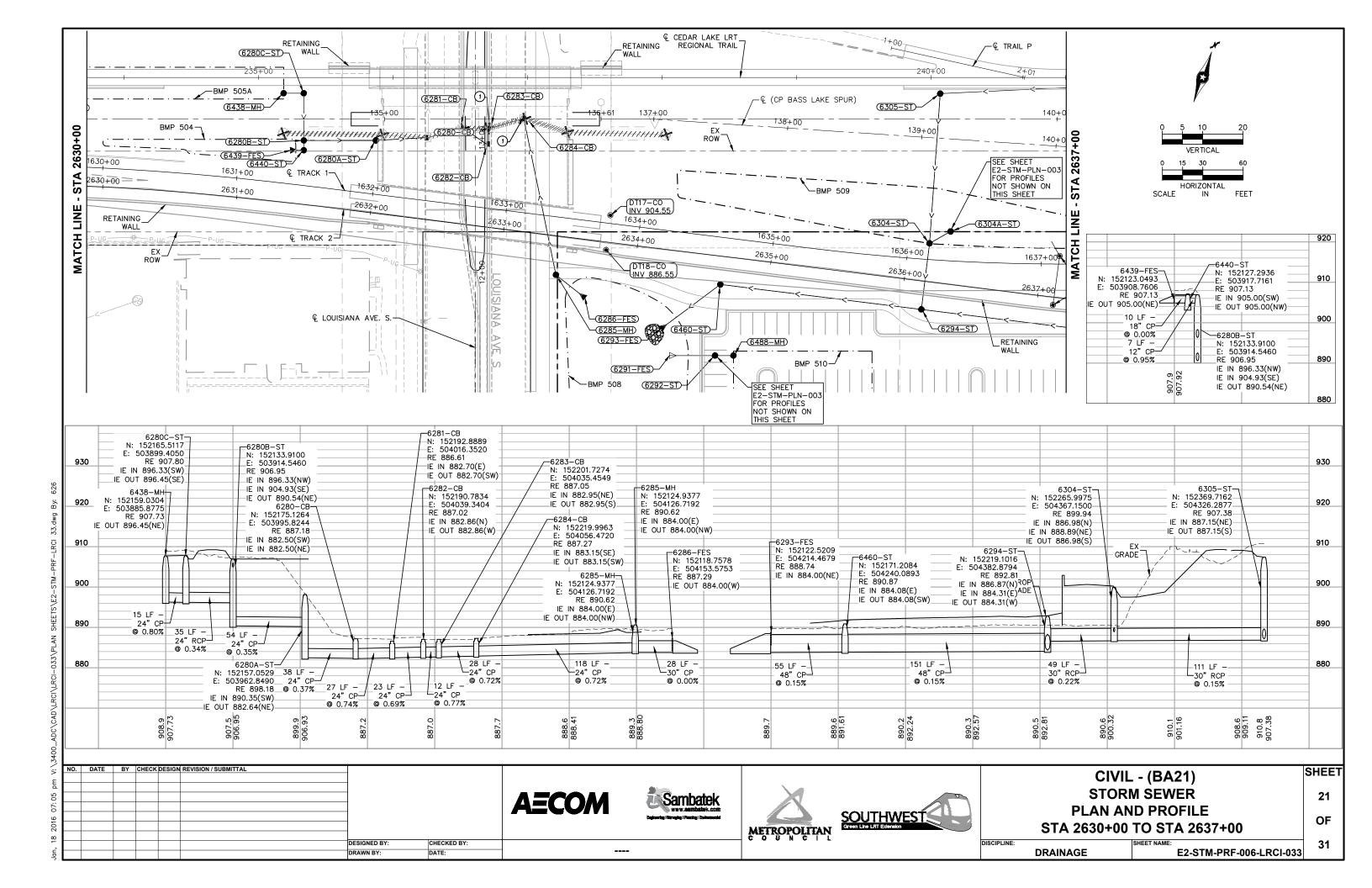
SHEET

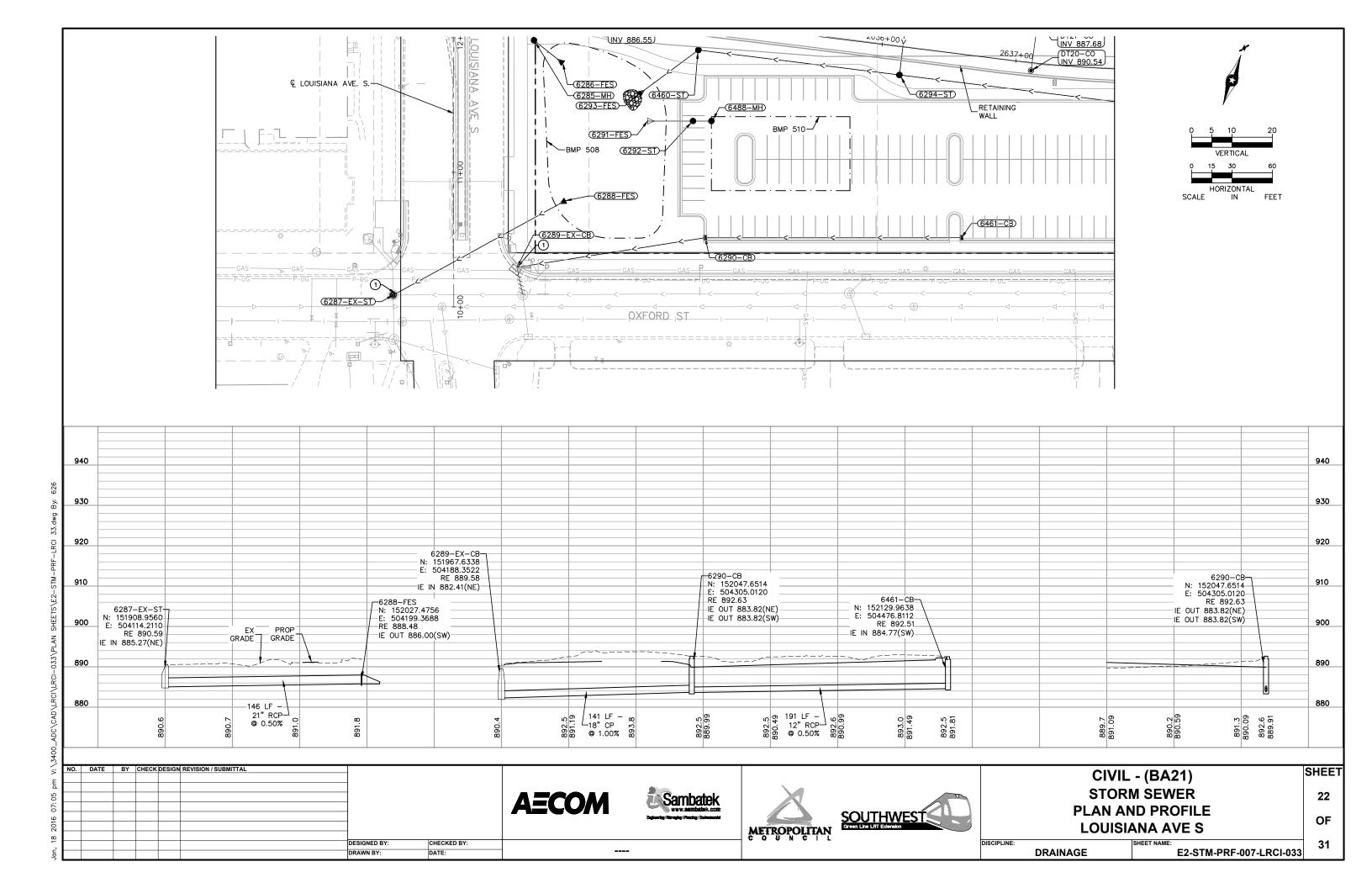
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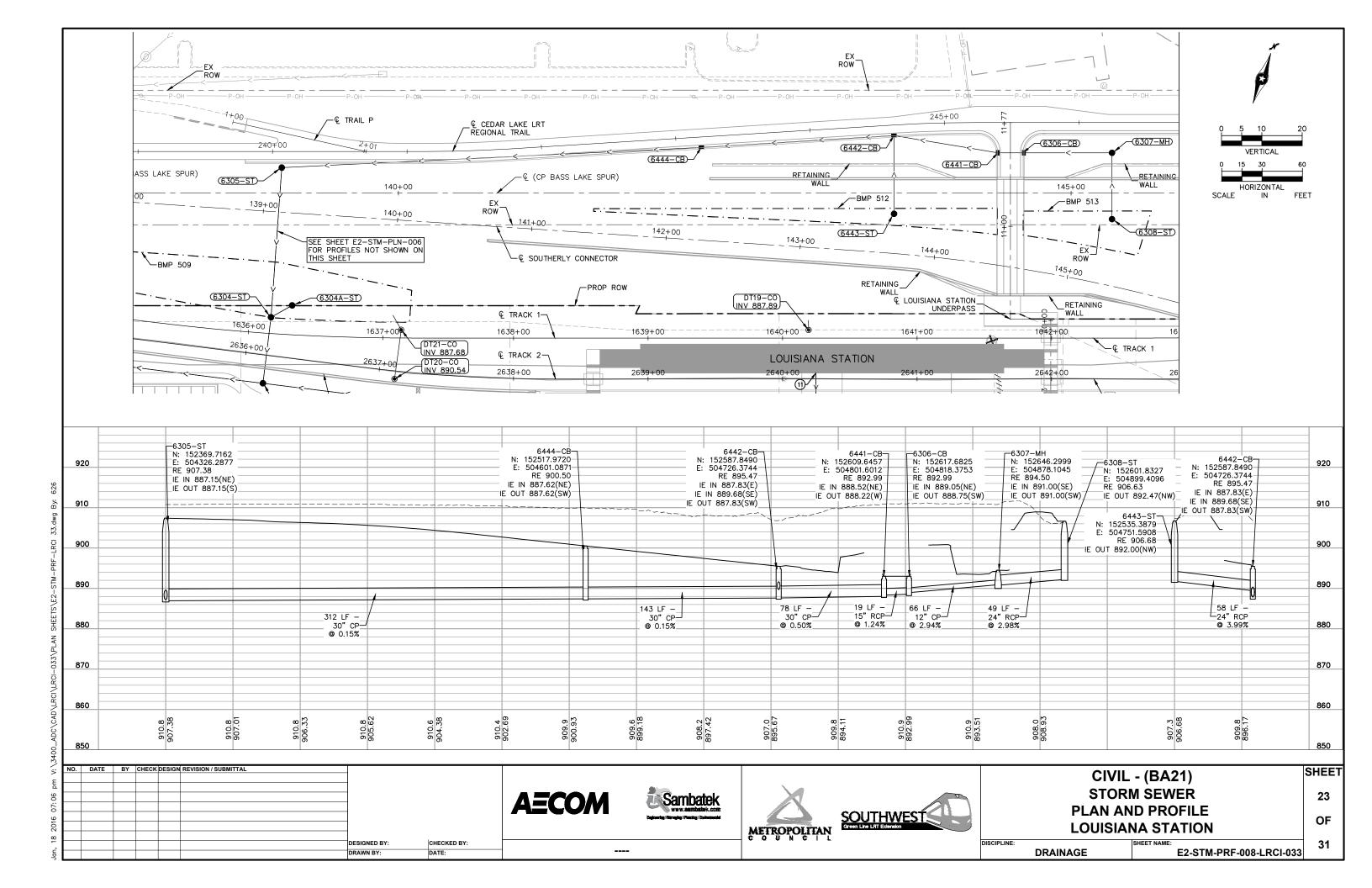
31

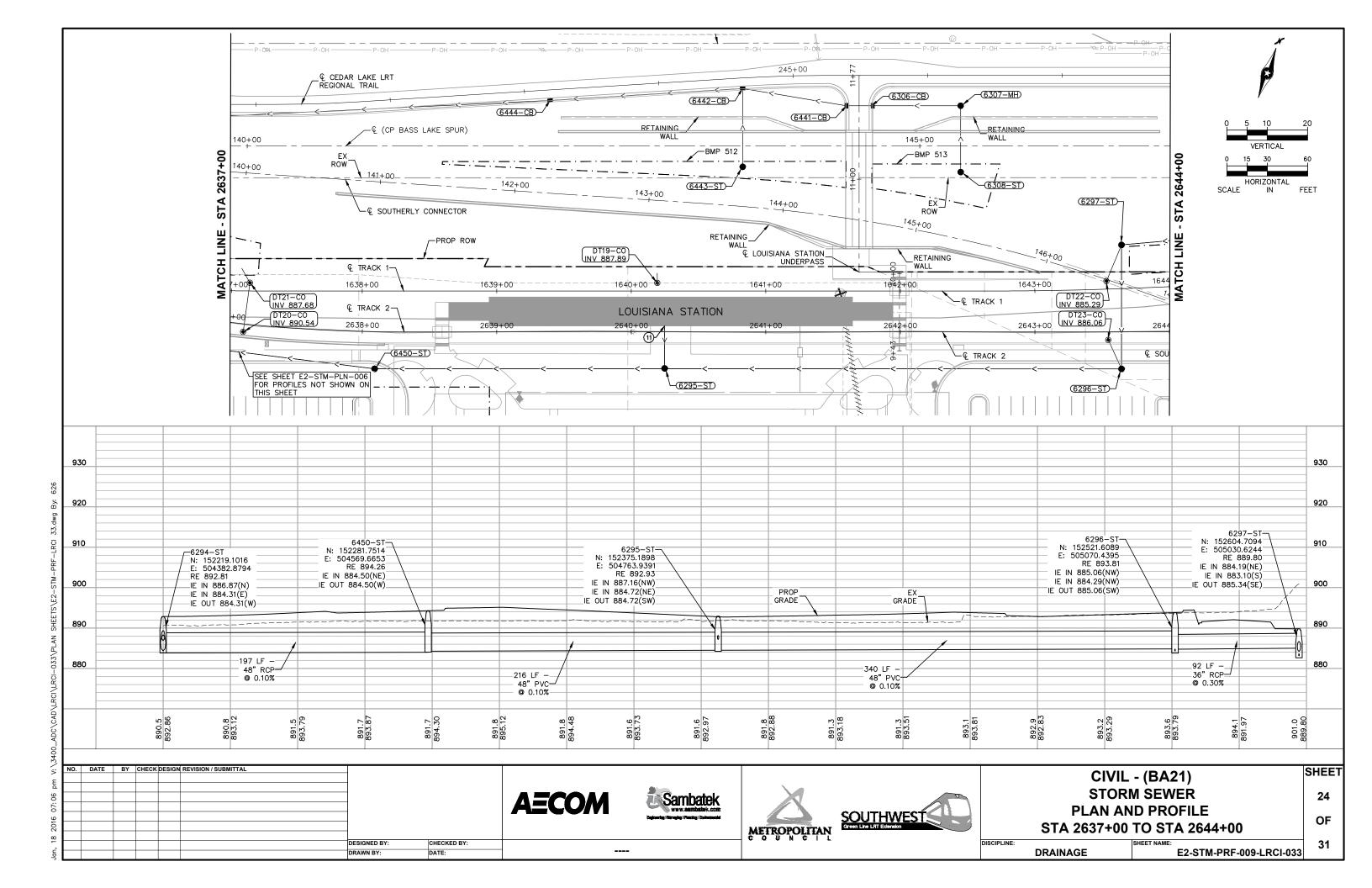
90% SUBMISSION 01/22/16

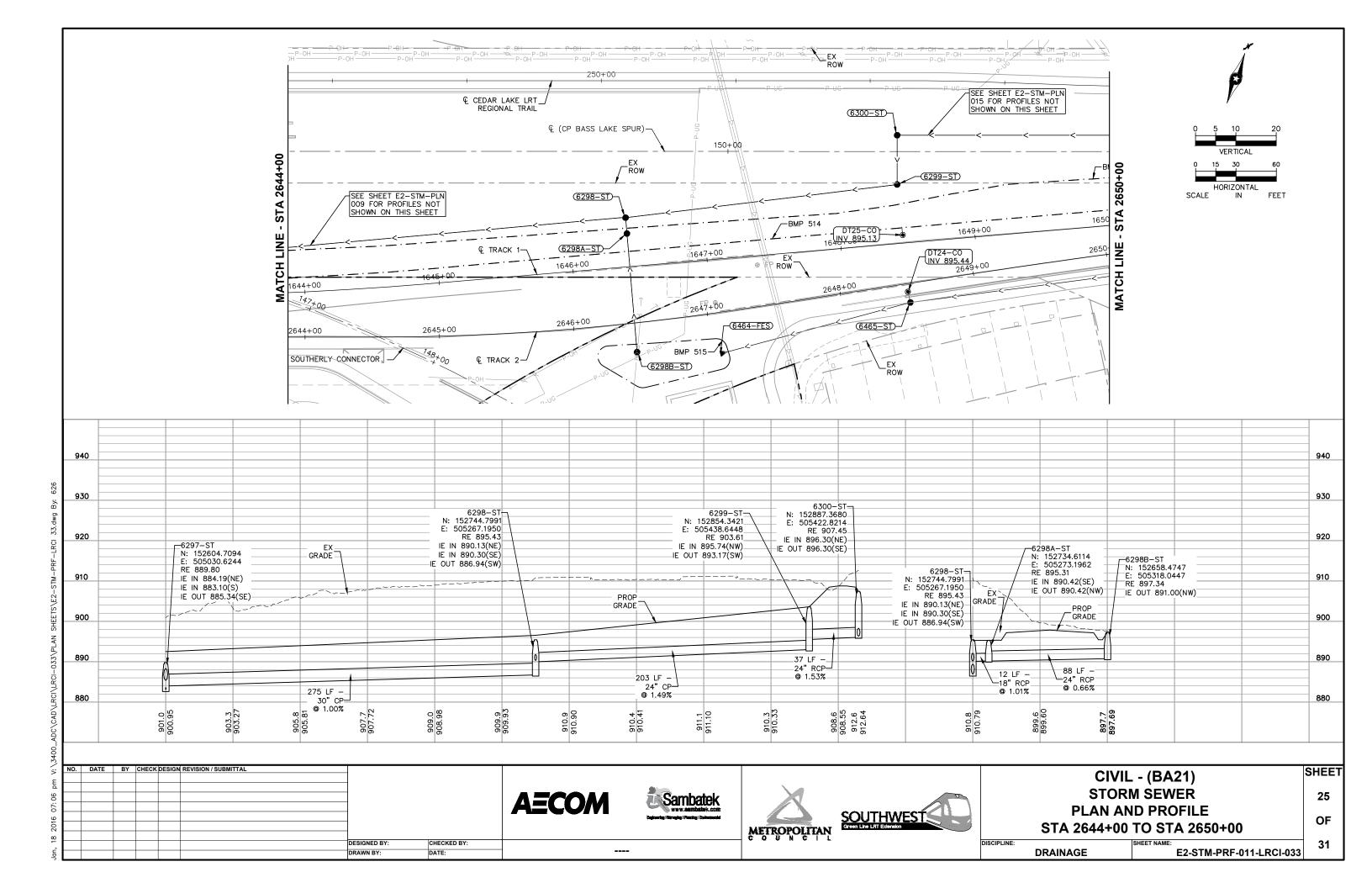
STRUCTURES

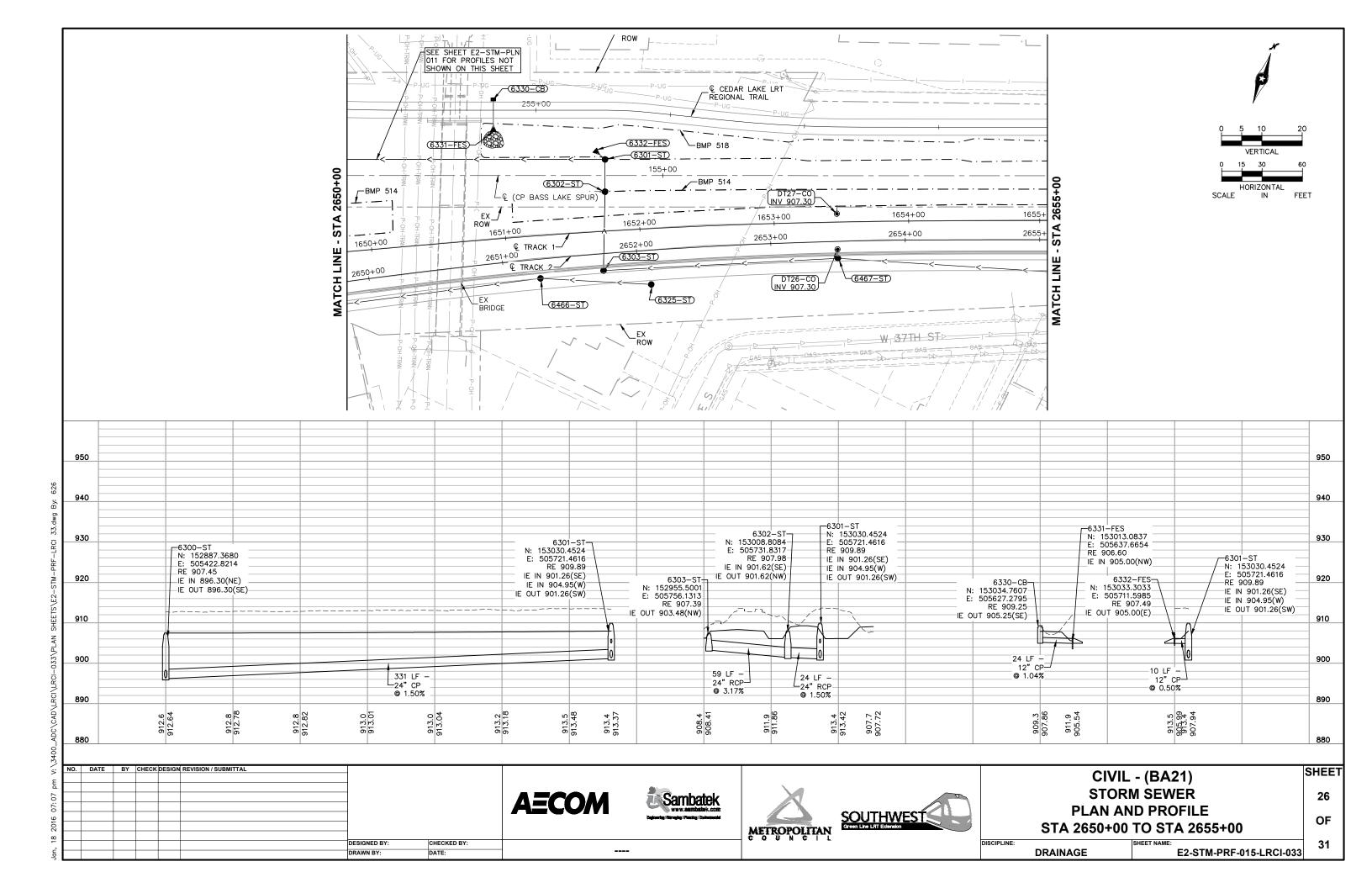


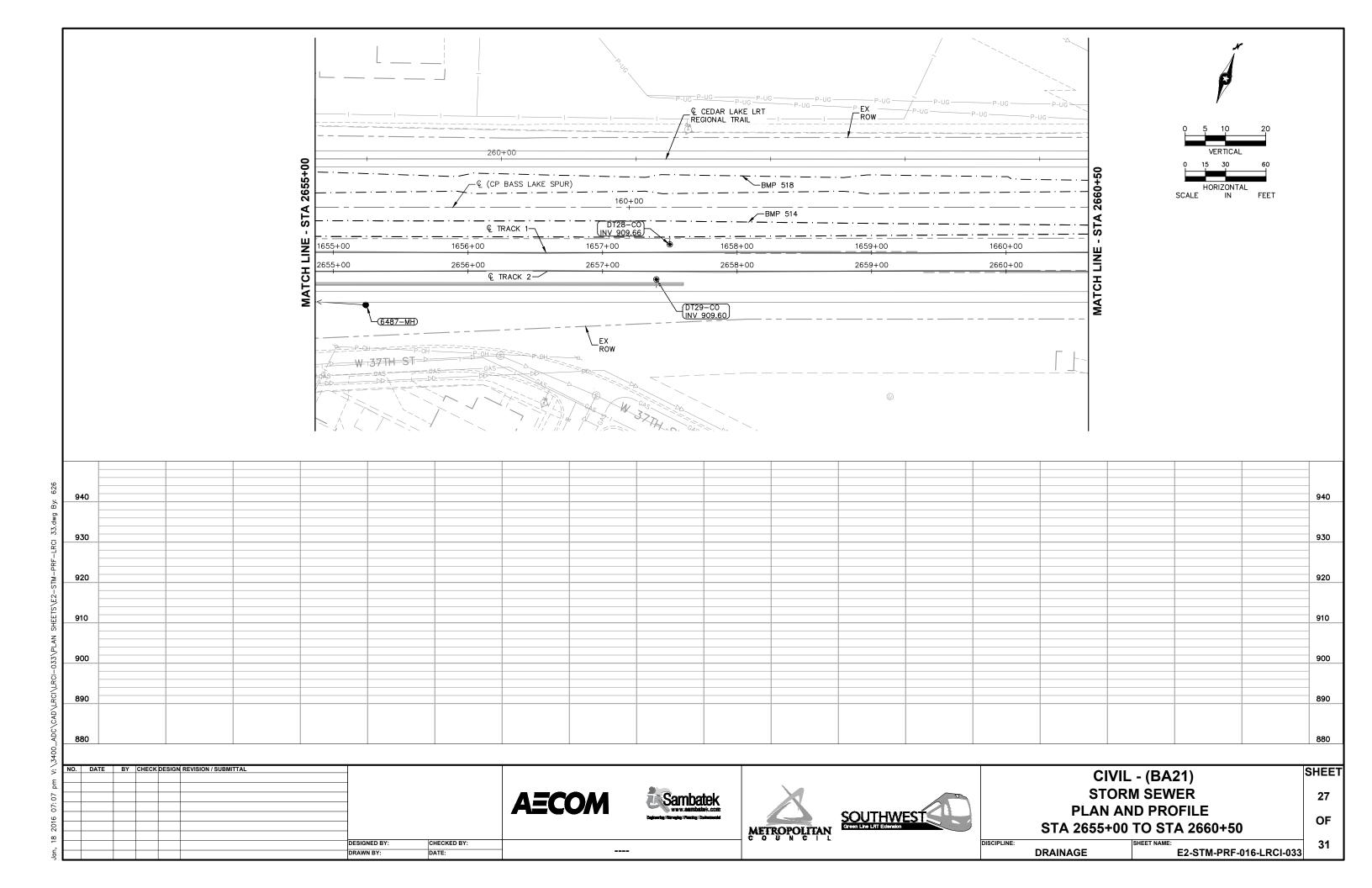


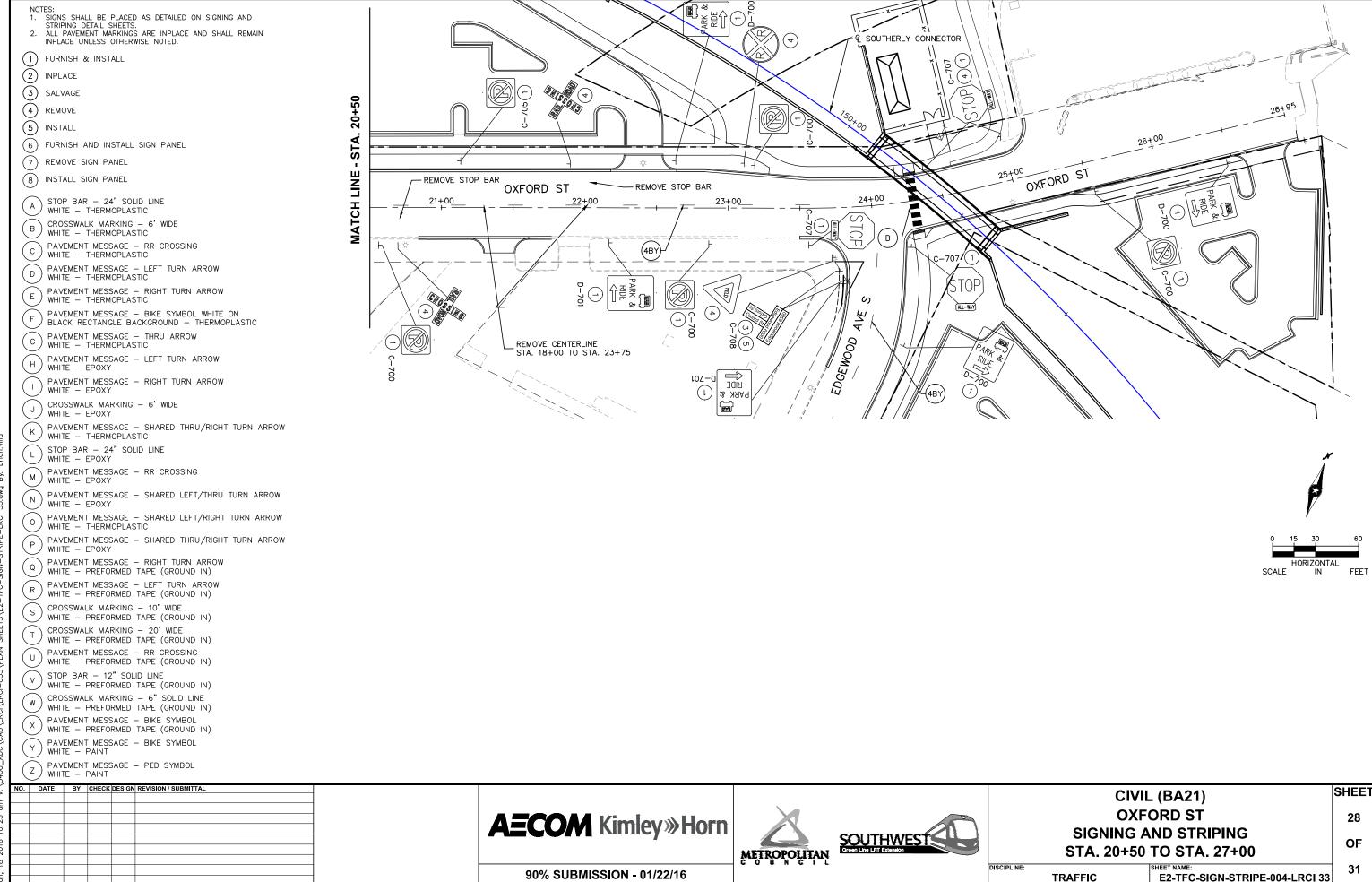












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