



CIVIL CONSTRUCTION

VOLUME J BID ALTERNATE 10 17TH AVENUE EXTENSION (LRCI 12)

90% SUBMISSION
DATE : 01/22/16

CITY OF MINNETONKA

APPROVED: _____ DATE: _____

PLAN PACKAGE INDEX / DESCRIPTION	
CIVIL CONSTRUCTION	BID ALTERNATES
VOLUME 1 - EXISTING CONDITIONS & REMOVALS	VOLUME A - NOT USED
VOLUME 2A - CIVIL	VOLUME B - NOT USED
VOLUME 2B - CIVIL	VOLUME C - BID ALTERNATE 3 (LRCI 5) ▲
VOLUME 3A - TRACKWORK	VOLUME D - BID ALTERNATE 4 (LRCI 6) ▲
VOLUME 3B - TRACKWORK	VOLUME E - BID ALTERNATE 5 (LRCI 7) ▲
VOLUME 3C - TRACKWORK DETAILS	VOLUME F - BID ALTERNATE 6 (LRCI 8) ▲
VOLUME 4A - BRIDGES	VOLUME G - BID ALTERNATE 7 (LRCI 4) ▲
VOLUME 4B - BRIDGES	VOLUME H - BID ALTERNATE 8 (LRCI 10) ▲
VOLUME 4C - BRIDGES	VOLUME I - BID ALTERNATE 9 (LRCI 11) ▲
VOLUME 4D - BRIDGES	VOLUME J - BID ALTERNATE 10 (LRCI 12)
VOLUME 4E - BRIDGES	VOLUME K - BID ALTERNATE 11 (LRCI 13)
VOLUME 4F - BRIDGES	VOLUME L - BID ALTERNATE 12 (LRCI 14)
VOLUME 4G - BRIDGES	VOLUME M - BID ALTERNATE 13 (LRCI 26)
VOLUME 5 - TUNNELS	VOLUME N - BID ALTERNATE 14 (LRCI 27)
VOLUME 6 - RETAINING WALLS	VOLUME O - BID ALTERNATE 15 (LRCI 17)
VOLUME 7 - UTILITIES	VOLUME P - BID ALTERNATE 20 (LRCI 32)
VOLUME 8 - DRAINAGE	VOLUME Q - BID ALTERNATE 21 (LRCI 33)
VOLUME 9 - URBAN DESIGN / LANDSCAPE	
VOLUME 10A - TRAFFIC	
VOLUME 10B - LIGHTING *	
VOLUME 11A - STATIONS ▲	
VOLUME 11B - STATIONS	
VOLUME 11C - STATIONS	
VOLUME 11D - STATIONS	
VOLUME 11E - STATIONS	
VOLUME 12 - SYSTEMS	

* TO BE SUBMITTED AT A LATER DATE
▲ SUBMITTED AT 75%, NOT INCLUDED IN 90%

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.

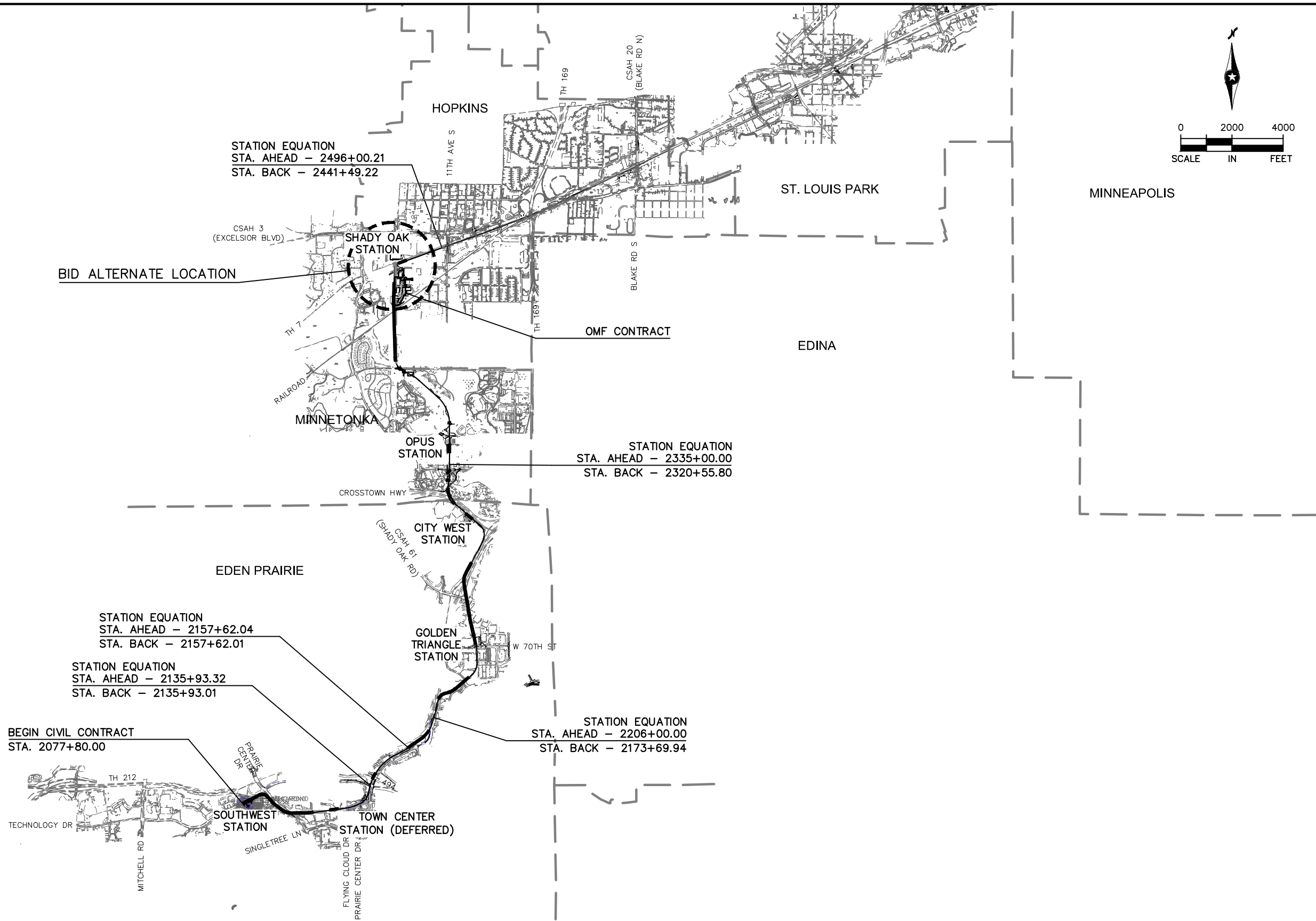
WARNING: THIS RECORD MAY CONTAIN SENSITIVE SECURITY INFORMATION THAT IS CONTROLLED UNDER 49 CFR PARTS 15 AND 1520. NO PART OF THIS RECORD MAY BE DISCLOSED TO PERSONS WITHOUT A "NEED TO KNOW", AS DEFINED IN 49 CFR PARTS 15 AND 1520, EXCEPT WITH THE WRITTEN PERMISSION OF THE ADMINISTRATOR OF THE TRANSPORTATION 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.

AECOM

Jan, 21 2016 09:06 pm V:\3400_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\COVER SHEETS 90%\90% GEN-1DX-LRCl.dwg By: v-kriewomr

CIVIL CONSTRUCTION						CIVIL CONSTRUCTION						CIVIL CONSTRUCTION					
SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV	SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV	SHT #	SHEET NAME	SHEET DESCRIPTION	STATION	STATION	REV
VOLUME J																	
1	00-GEN-CVR-001	COVER SHEET															
2	00-GEN-IDX-001	VOLUME INDEX OF PLAN SHEETS															
3	W0-GEN-KEY-001	GENERAL KEY MAP															
4	W3-CIV-ALG-003-LRCI-012	ROADWAY ALIGNMENT PLANS															
5	W3-CIV-TAB-003-LRCI-012	ROADWAY ALIGNMENT TABULATIONS															
6	W3-CIV-TYP-005-LRCI-012	ROADWAY TYPICAL SECTIONS															
7	W3-CIV-PRF-009-LRCI-012	17TH AVENUE SOUTH PLAN AND PROFILE	4+74	8+00													
8	W3-CIV-INT-004-LRCI-012	ROADWAY INTERSECTION DETAILS SHEET 1															
9	W3-CIV-INT-005-LRCI-012	ROADWAY INTERSECTION DETAILS SHEET 2															
10	W3-CIV-ALG-012-LRCI-012	TRAIL ALIGNMENT PLANS															
11	W3-CIV-TAB-007-LRCI-012	TRAIL ALIGNMENT TABULATIONS															
12	W3-CIV-TRL-009-LRCI-012	CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE	7+00	11+00													
13	W3-UTL-PLN-014-LRCI12	SHADY OAK STATION 1 OF 4 REMOVALS															
14	W3-UTL-PLN-016-LRCI12	SHADY OAK STATION 2 OF 4 PLAN															
15	W3-UTL-PLN-018-LRCI12	SHADY OAK STATION 3 OF 4 PROFILES															
16	W3-UTL-PLN-019-LRCI12	SHADY OAK STATION 4 OF 4 PROFILES															
17	W3-STM-PLN-001-LRCI12	DRAINAGE PLAN	5+00	8+00													
18	W3-STM-PRF-002-LRCI12	DRAINAGE PLAN AND PROFILE	5+00	8+00													
19	W3-LAN-PLAN-001-LRCI-012	17TH AVENUE SOUTH URBAN DESIGN - LANDSCAPE PLAN															
20	W0-TFC-SIGN-TAB-003-LRCI-012	SIGN TABULATIONS SIGNING AND STRIPING SHEET 3															
21	W3-TFC-SIGN-STRP-008-LRCI-012	K-TEL DRIVE AND 17TH AVENUE SOUTH SIGNING AND STRIPING	5+13	8+00													
22	W3-TFC-SIGN-STRP-009-LRCI-012	5TH STREET SOUTH SIGNING AND STRIPING	0+00	5+50													
23	W3-TFC-SIGN-STRP-010-LRCI-012	17TH AVENUE SOUTH SIGNING AND STRIPING	8+00	15+00													
		TRAFFIC SIGNAL															
24	W0-TFC-SIG-DTL-LRCI-012	INTERSECTION LEGEND															
25	W3-TFC-SIG-LAY-003-LRCI-012	PLAN SHEET LAYOUT															
26	W3-TFC-SIG-CCD-LRCI-012	SIGNAL SYSTEM "AF" - 17TH AVE S AT K-TEL DR/5TH ST S CONTROLLER AND SERVICE CABINET DETAIL															
27	W3-TFC-SIG-01-LRCI-012	SIGNAL SYSTEM "AF" - 17TH AVE S AT K-TEL DR/5TH ST S INTERSECTION LAYOUT															
28	W3-TFC-SIG-01B-LRCI-012	SIGNAL SYSTEM "AF" - 17TH AVE S AT K-TEL DR/5TH ST S EQUIPMENT SCHEDULE															
29	W3-TFC-SIG-01-LRCI-012	SIGNAL SYSTEM "AF" - 17TH AVE S AT K-TEL DR/5TH ST S FIELD WIRING DIAGRAM															
30	W3-TFC-SIG-01B-LRCI-012	SIGNAL SYSTEM "AF" - 17TH AVE S AT K-TEL DR/5TH ST S FIELD WIRING DIAGRAM															

Jan, 18 2016 10:43 am V:\3400_ADC\CAD\CAD MANAGEMENT\DRAWING LIST\COVER SHEETS 90%\W0-GEN-KEY-LR01-90.dwg By: V-KriwamR



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

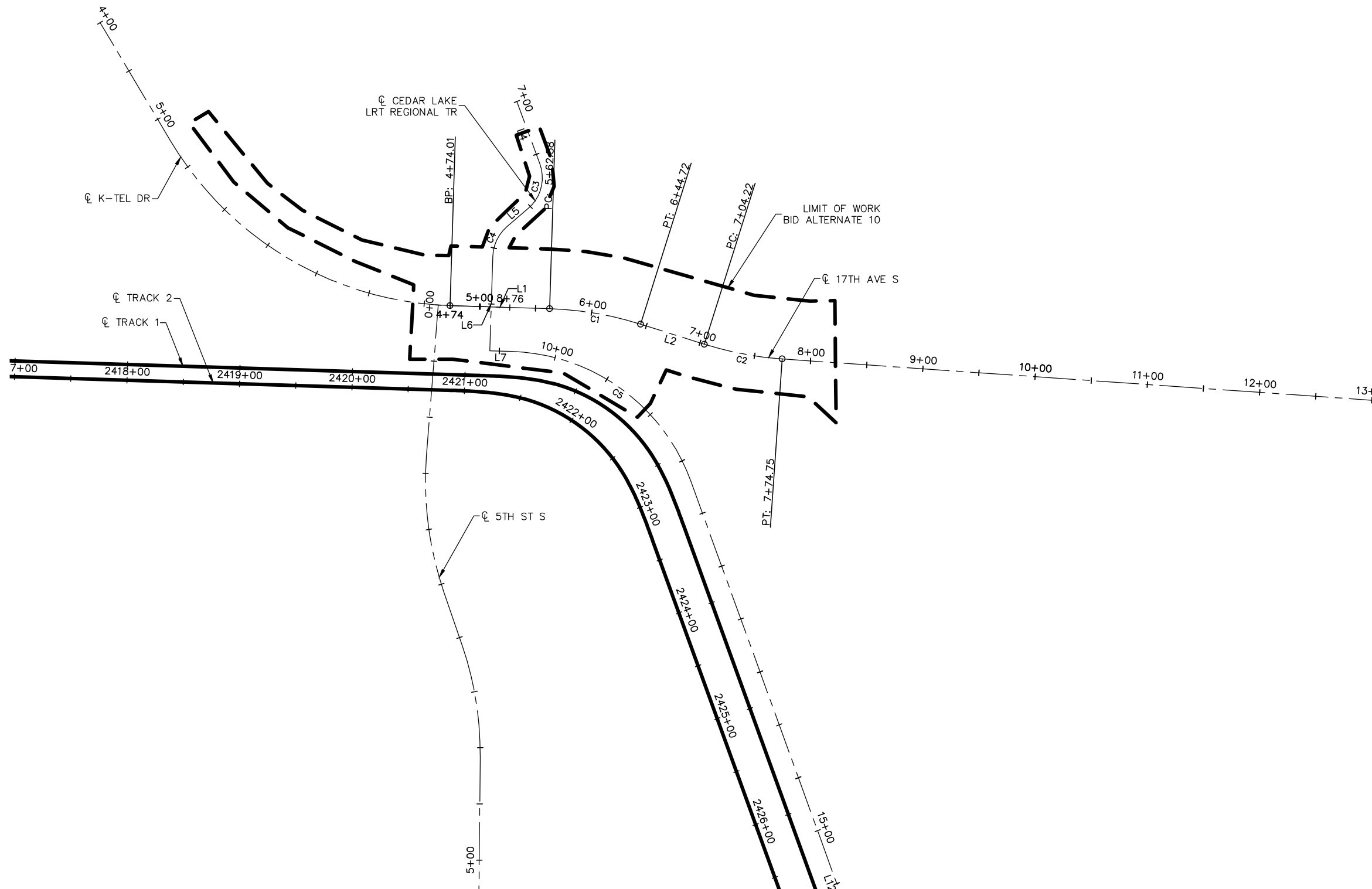


90% SUBMISSION - 01/22/16



CIVIL (BA10) 17TH AVENUE EXTENSION GENERAL KEY MAP		SHEET 3 OF 30
DISCIPLINE: GENERAL	SHEET NAME: W0-GEN-KEY-001	

Jan, 18 2016 11:26 am v:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-CIV-ALG-LRCI-012.dwg By: kmclement



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





90% SUBMISSION - 01/22/16



CIVIL (BA10)
ROADWAY
ALIGNMENT PLANS

DISCIPLINE: CIVIL
SHEET NAME: W3-CIV-ALG-005-LRCI-012

SHEET
4
OF
30

Jan, 18 2016 11:26 am V:\3400_ADC\CAD\CAD\LRCI\012\PLAN SHEETS\W3-CIV-ALG-LRCI-012.dwg By: kmclement

ALIGNMENT DATA 17TH AVE S														
SEGMENT NUMBER	BEGINNING STATION	ENDING 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
L1	4+74.01	5+62.58							88.57	145923.78	489867.39	146012.31	489870.15	1°47'00"
C1	5+62.58	6+44.72	6+03.91		15°41'16"	19°05'54.94"	300.00	41.33	82.14	146012.31	489870.15	146093.04	489883.85	1°47'00" 17°28'16"
L2	6+44.72	7+04.22							59.49	146093.04	489883.85	146149.79	489901.71	17°28'16"
C2	7+04.22	7+74.75	7+39.64		13°28'13"	19°05'54.94"	300.00	35.43	70.53	146149.79	489901.71	146218.93	489914.81	17°28'16" 4°00'03"
L3	7+74.75	18+78.52							1103.78	146218.93	489914.81	147320.01	489991.83	4°00'03"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





90% SUBMISSION - 01/22/16

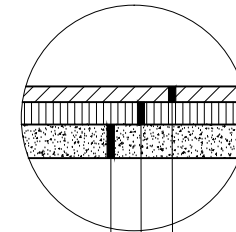
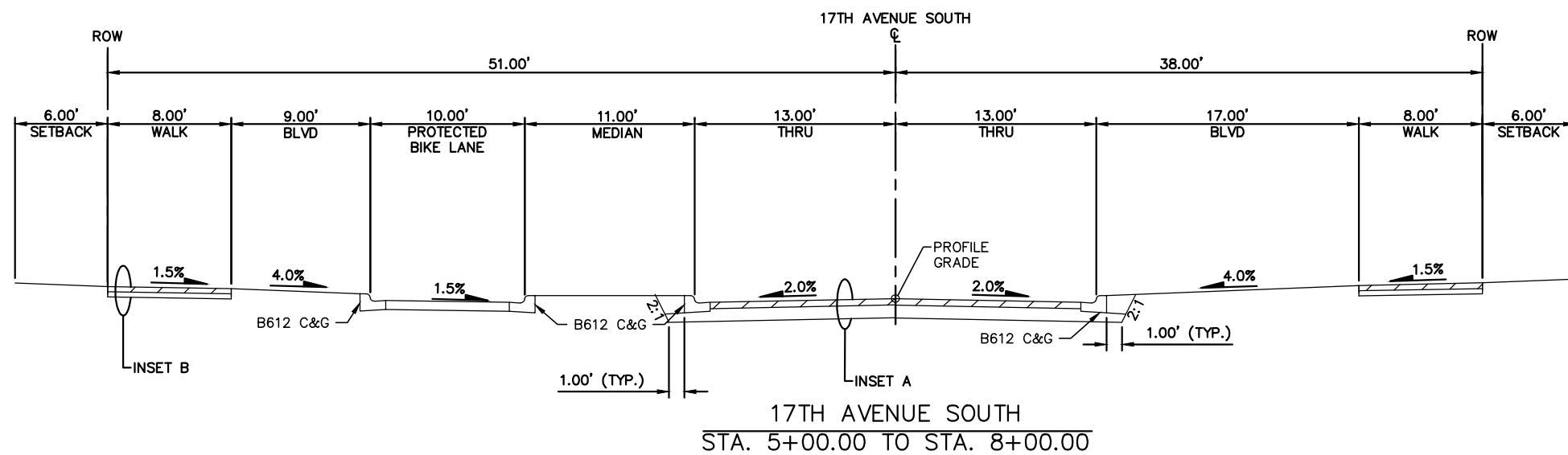


CIVIL (BA10)
ROADWAY
ALIGNMENT TABULATIONS

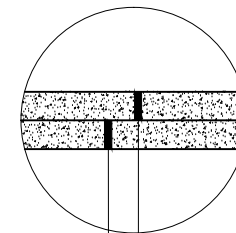
DISCIPLINE:
CIVIL

SHEET NAME:
W3-CIV-TAB-003-LRCI-012

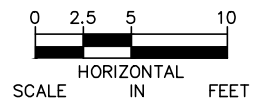
Jan, 18 2016 11:26 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-CIV-TYP-LRCI-012.dwg By: kmcolement



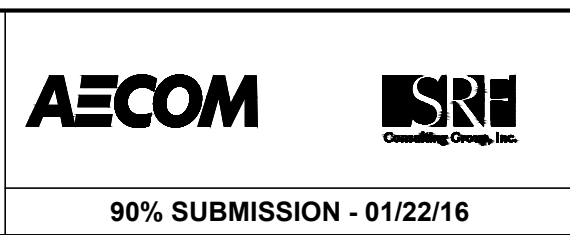
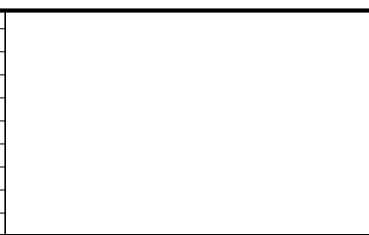
INSET A
17TH AVENUE SOUTH



INSET B
CONCRETES WALK



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

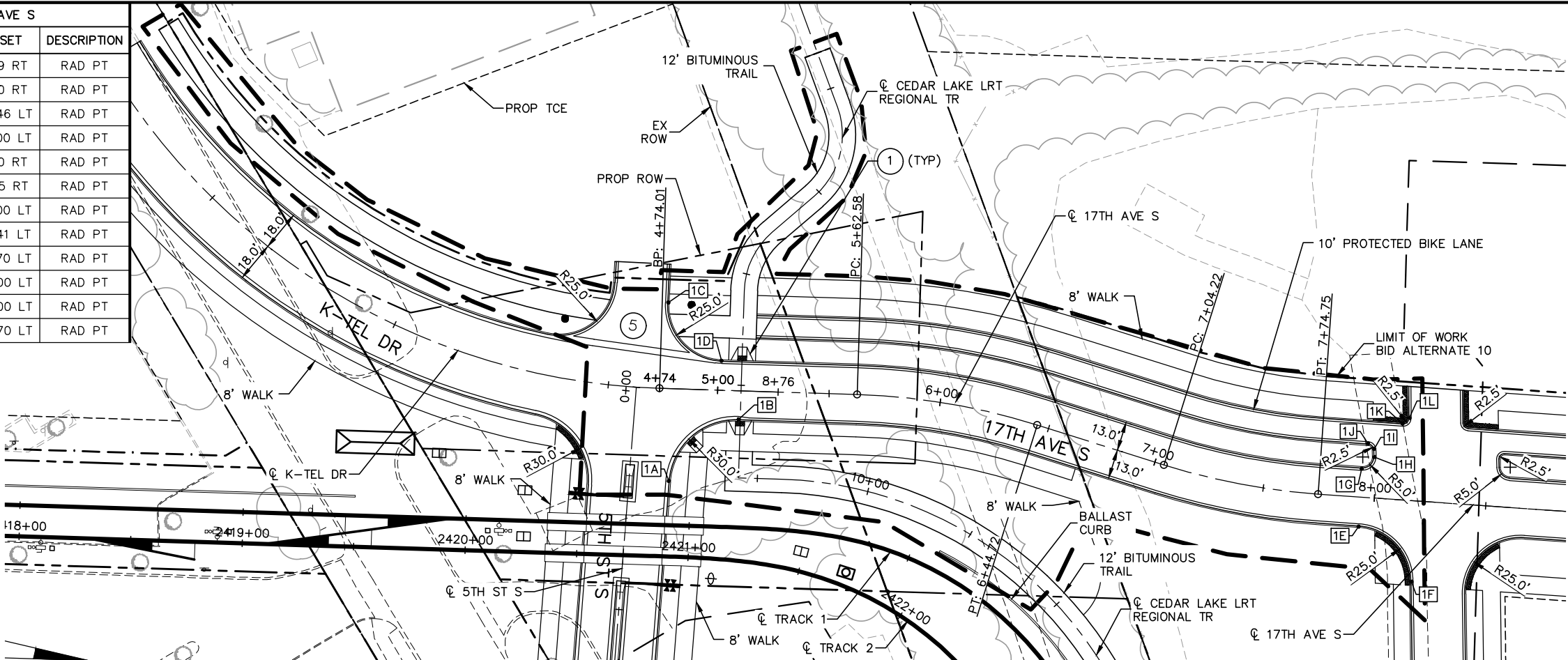


CIVIL (BA10) ROADWAY TYPICAL SECTIONS	
DISCIPLINE: CIVIL	SHEET NAME: W3-CIV-TYP-005-LRCI-012

SHEET
6
OF
30

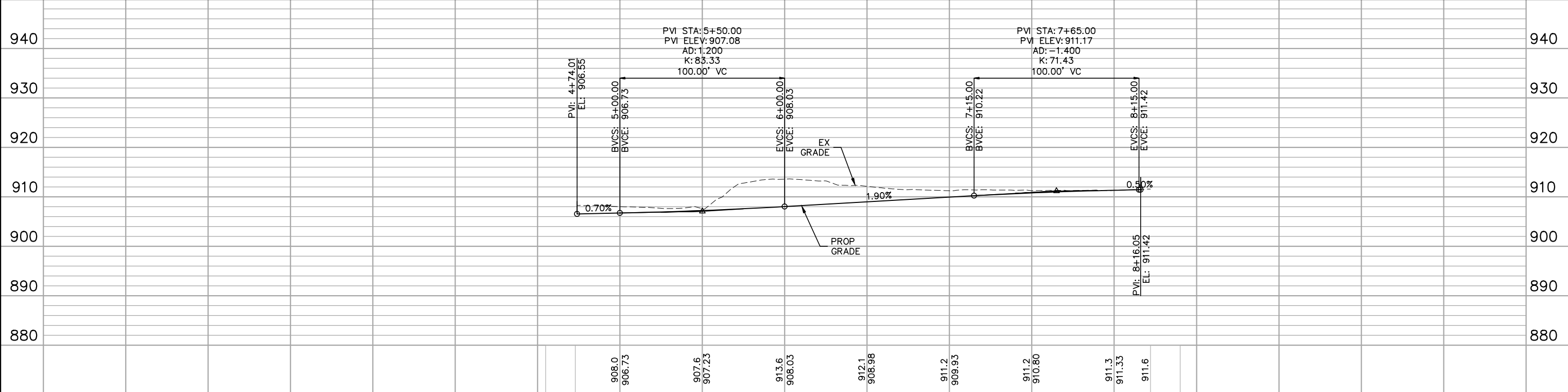
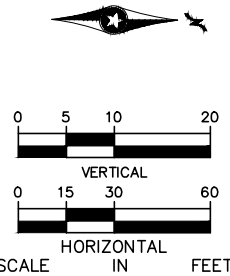
Jan, 18 2016 11:28 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-CIV-PRF-LRCI-012.dwg By: kmcclement

17TH AVE S			
#	STATION	OFFSET	DESCRIPTION
1A	4+79.58	41.59 RT	RAD PT
1B	5+09.54	13.00 RT	RAD PT
1C	4+76.46	-38.46 LT	RAD PT
1D	5+01.45	-13.00 LT	RAD PT
1E	7+94.09	13.00 RT	RAD PT
1F	8+19.01	35.95 RT	RAD PT
1G	7+93.50	-13.00 LT	RAD PT
1H	7+98.49	-18.41 LT	RAD PT
1I	7+98.22	-21.70 LT	RAD PT
1J	7+95.72	-24.00 LT	RAD PT
1K	8+10.55	-34.00 LT	RAD PT
1L	8+13.04	-36.70 LT	RAD PT



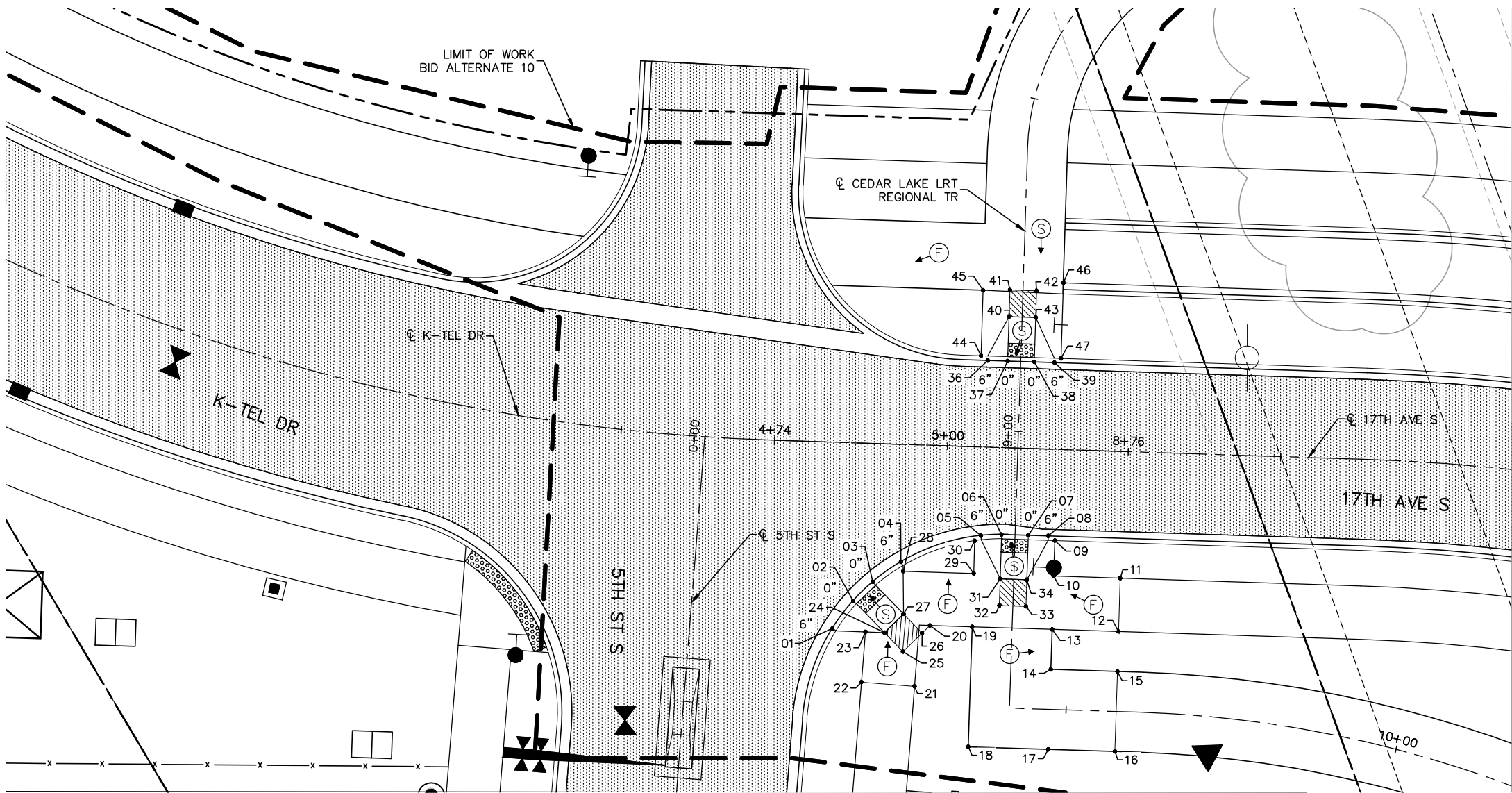
- CONSTRUCTION NOTES
- 1 PEDESTRIAN CURB RAMP PER MNDOT STANDARD PLAN 5-297.250
 - 2 PLATE BEAM GUARDRAIL DESIGN B PER MNDOT STANDARD PLAN 8307
 - 3 THREE BEAM BULLNOSE GUARDRAIL PER MNDOT STANDARD PLAN 5-297.611
 - 4 BRIDGE APPROACH PANEL PER MNDOT STANDARD PLANS 5-297.224 THRU 5-297.233
 - 5 DRIVEWAY APRON PER CITY OF EDEN PRAIRIE STANDARD DETAIL R-14
 - 6 DRIVEWAY APRON PER CITY OF HOPKINS STANDARD PLATE STRT-6A

- NOTES
1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
 2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
 3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"



<table><tr><th>NO.</th><th>DATE</th><th>BY</th><th>CHECK</th><th>DESIGN</th><th>REVISION / SUBMITTAL</th></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>						NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL																																			CIVIL (BA10) 17TH AVENUE SOUTH PLAN AND PROFILE STA. 4+74 TO STA. 8+00		SHEET 7 OF 30
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL																																											
90% SUBMISSION - 01/22/16						DISCIPLINE: CIVIL		SHEET NAME: W3-CIV-PRF-009-LRCI-012																																								

Jan, 18 2016 11:30 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-CIV-INT-LRCI-012.dwg By: kmcclement



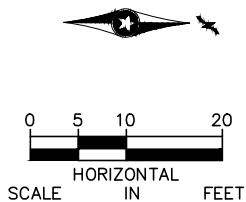
LEGEND

- XXX CONTROL POINTS
- [Pattern] TRUNCATED DOMES (SEE STANDARD PLATE 7038)
- [Line] CONSTRUCT CONCRETE CURB AND GUTTER
- [Pattern] BITUMINOUS TREATMENT
- XX" CURB HEIGHT
- [Pattern] LANDING AREA - 4'x4' MIN. DIMENSIONS AND MAX. 2.0% SLOPE IN ALL DIRECTIONS
- [Symbol] INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- [Symbol] INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- [Arrow] DRAINAGE FLOW ARROW
- [Symbol] PEDESTRIAN PUSH BUTTON

POINT TABLE					
#	DESCRIPTION	STATION	OFFSET	ELEVATION	REFERENCE ALIGNMENT
01	F/L	4+83.61	27.92 RT	906.33	17TH AVE S EXT
02	F/L	4+86.57	23.70 RT	906.30	17TH AVE S EXT
03	F/L	4+89.43	20.74 RT	906.28	17TH AVE S EXT
04	F/L	4+93.55	17.62 RT	906.25	17TH AVE S EXT
05	F/L	5+05.42	13.28 RT	906.15	17TH AVE S EXT
06	F/L	5+08.49	13.02 RT	906.16	17TH AVE S EXT
07	F/L	5+12.51	13.00 RT	906.20	17TH AVE S EXT
08	F/L	5+15.51	13.00 RT	906.34	17TH AVE S EXT
09	LANDING	5+16.51	13.67 RT	906.52	17TH AVE S EXT
10	LANDING	5+16.51	19.00 RT	906.88	17TH AVE S EXT
11	LANDING	5+26.51	19.00 RT	907.23	17TH AVE S EXT
12	LANDING	5+26.51	27.00 RT	907.35	17TH AVE S EXT

POINT TABLE					
#	DESCRIPTION	STATION	OFFSET	ELEVATION	REFERENCE ALIGNMENT
13	LANDING	5+16.55	27.00 RT	907.04	17TH AVE S EXT
14	LANDING	5+16.55	33.00 RT	907.50	17TH AVE S EXT
15	LANDING	5+26.55	33.00 RT	908.24	17TH AVE S EXT
16	LANDING	5+26.55	45.00 RT	908.12	17TH AVE S EXT
17	LANDING	5+16.55	45.00 RT	907.44	17TH AVE S EXT
18	LANDING	5+04.55	45.00 RT	907.50	17TH AVE S EXT
19	LANDING	5+04.55	27.00 RT	906.90	17TH AVE S EXT
20	LANDING	4+98.21	27.00 RT	906.85	17TH AVE S EXT
21	LANDING	4+96.20	36.20 RT	906.97	17TH AVE S EXT
22	LANDING	4+88.21	35.83 RT	906.85	17TH AVE S EXT
23	LANDING	4+88.56	28.27 RT	906.79	17TH AVE S EXT
24	LANDING	4+91.41	28.28 RT	906.77	17TH AVE S EXT

POINT TABLE					
#	DESCRIPTION	STATION	OFFSET	ELEVATION	REFERENCE ALIGNMENT
25	LANDING	4+94.29	31.06 RT	906.80	17TH AVE S EXT
26	LANDING	4+97.07	28.18 RT	906.78	17TH AVE S EXT
27	LANDING	4+94.19	25.41 RT	906.75	17TH AVE S EXT
28	LANDING	4+93.94	19.00 RT	906.74	17TH AVE S EXT
29	LANDING	5+04.51	19.00 RT	906.74	17TH AVE S EXT
30	LANDING	5+04.51	14.10 RT	906.51	17TH AVE S EXT
31	LANDING	5+08.51	19.68 RT	906.61	17TH AVE S EXT
32	LANDING	5+08.51	23.68 RT	906.67	17TH AVE S EXT
33	LANDING	5+12.51	23.68 RT	906.71	17TH AVE S EXT
34	LANDING	5+12.51	19.68 RT	906.65	17TH AVE S EXT
36	F/L	5+05.60	-13.00 LT	906.49	17TH AVE S EXT
37	F/L	5+08.58	-13.00 LT	906.52	17TH AVE S EXT



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



CIVIL (BA10)
ROADWAY
INTERSECTION DETAILS
SHEET 1

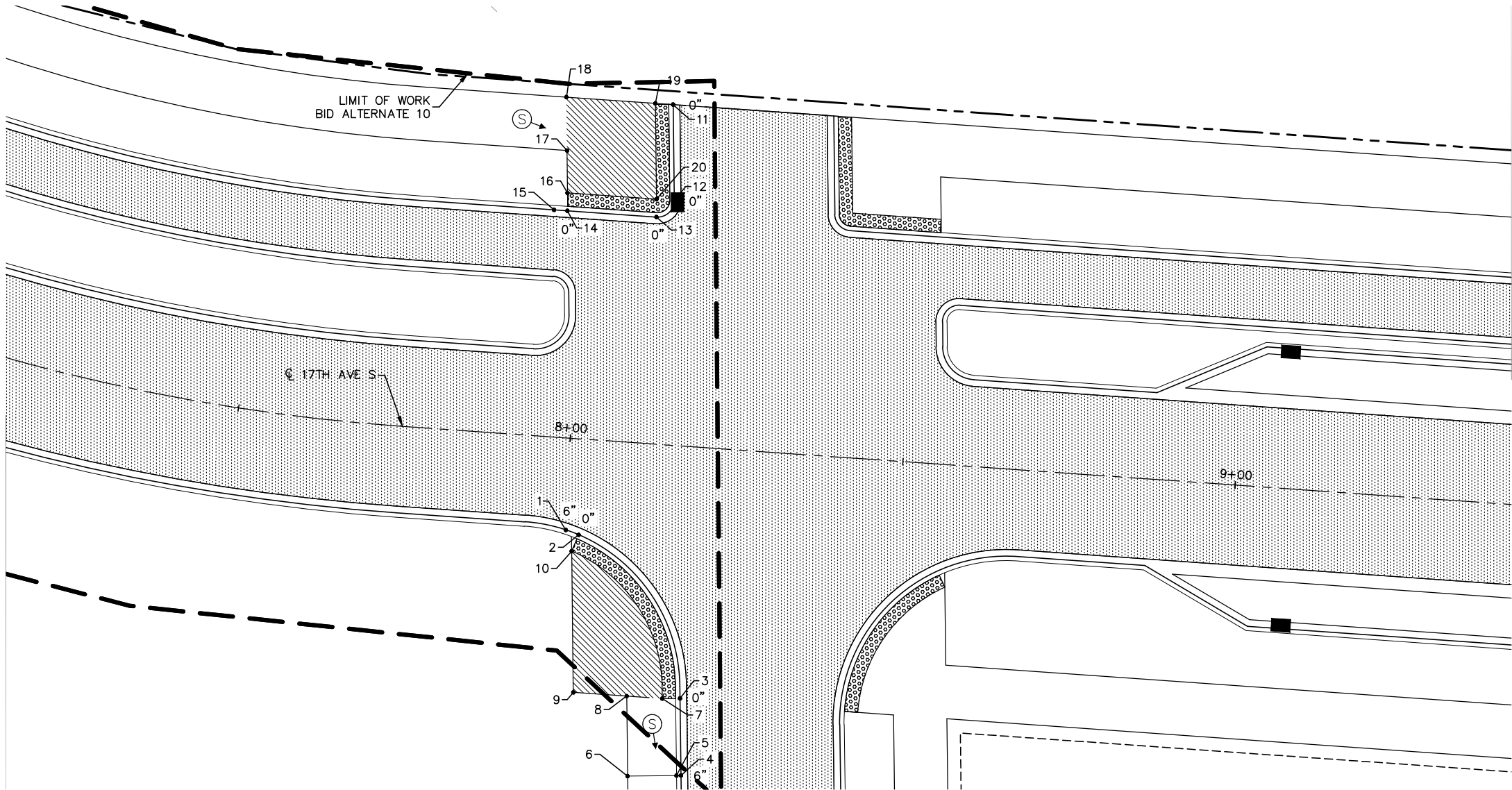
DISCIPLINE: CIVIL

SHEET NAME: W3-CIV-INT-004-LRCI-012

90% SUBMISSION - 01/22/16

SHEET
8
OF
30

Jan, 18 2016 11:30 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-CIV-INT-LRCI-012.dwg By: kmcclement



LEGEND

- XXX CONTROL POINTS
- TRUNCATED DOMES (SEE STANDARD PLATE 7038)
- CONSTRUCT CONCRETE CURB AND GUTTER
- BITUMINOUS TREATMENT
- XX" CURB HEIGHT
- LANDING AREA - 4'X4' MIN. DIMENSIONS AND MAX. 2.0% SLOPE IN ALL DIRECTIONS
- INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- DRAINAGE FLOW ARROW
- PEDESTRIAN PUSH BUTTON

POINT TABLE					
#	DESCRIPTION	STATION	OFFSET	ELEVATION	REFERENCE ALIGNMENT
1	F/L	8+00.29	13.78 RT	911.03	17TH AVE S EXT
2	F/L	8+02.26	14.37 RT	911.05	17TH AVE S EXT
3	F/L	8+19.16	37.78 RT	911.28	17TH AVE S EXT
4	F/L	8+20.11	49.31 RT	909.64	17TH AVE S EXT
5	LANDING	8+19.44	49.36 RT	910.34	17TH AVE S EXT
6	LANDING	8+12.13	49.96 RT	910.42	17TH AVE S EXT
7	LANDING	8+16.50	38.00 RT	911.31	17TH AVE S EXT
8	LANDING	8+11.15	38.00 RT	911.40	17TH AVE S EXT
9	LANDING	8+03.12	38.00 RT	911.35	17TH AVE S EXT
10	LANDING	8+01.39	16.89 RT	911.13	17TH AVE S EXT
11	F/L	8+11.86	-51.00 LT	910.93	17TH AVE S EXT
12	F/L	8+13.04	-36.70 LT	911.00	17TH AVE S EXT

POINT TABLE					
#	DESCRIPTION	STATION	OFFSET	ELEVATION	REFERENCE ALIGNMENT
13	F/L	8+10.55	-34.00 LT	911.08	17TH AVE S EXT
14	F/L	7+97.15	-34.00 LT	911.34	17TH AVE S EXT
15	LANDING	7+95.15	-34.00 LT	911.92	17TH AVE S EXT
16	LANDING	7+96.99	-36.66 LT	911.16	17TH AVE S EXT
17	LANDING	7+96.47	-43.00 LT	911.20	17TH AVE S EXT
18	LANDING	7+95.81	-51.00 LT	911.25	17TH AVE S EXT
19	LANDING	8+09.19	-51.00 LT	910.98	17TH AVE S EXT
20	LANDING	8+10.37	-36.67 LT	911.03	17TH AVE S EXT

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRH
Consulting Group, Inc.

METROPOLITAN
COUNCIL

SOUTHWEST
Green Line LRT Extension

90% SUBMISSION - 01/22/16

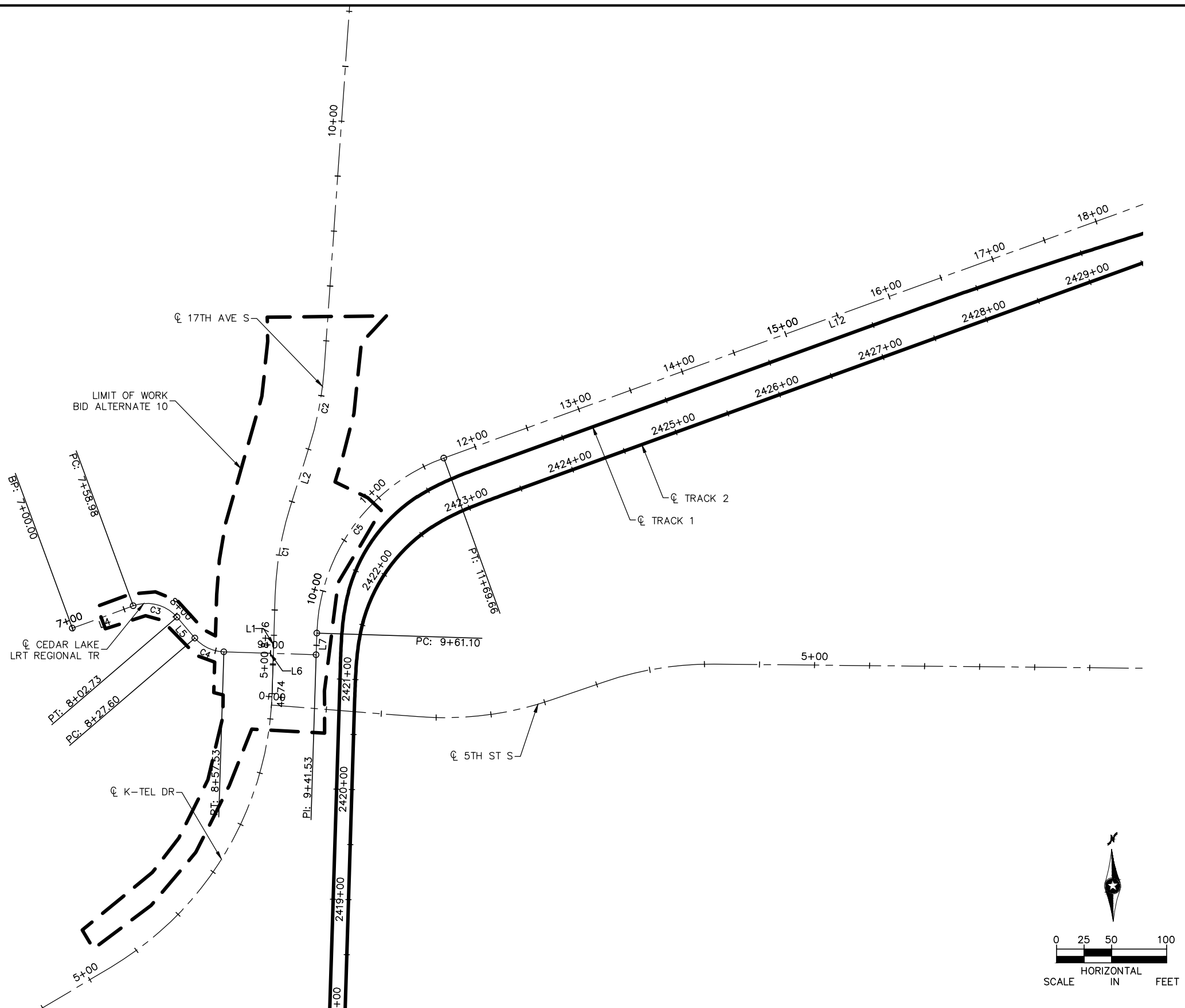
CIVIL (BA10)
ROADWAY
INTERSECTION DETAILS
SHEET 2

DISCIPLINE:
CIVIL

SHEET NAME:
W3-CIV-INT-005-LRCI-012

SHEET
9
OF
30

Jan, 18 2016 11:30 am V:\3400_ADC\CAD\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-CIV-ALG-LRCI-012.dwg By: kmclement



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



90% SUBMISSION - 01/22/16

CIVIL (BA10)
TRAIL
ALIGNMENT PLANS

DISCIPLINE: CIVIL

SHEET NAME: W3-CIV-ALG-012-LRCI-012

SHEET
10
OF
30

Jan, 18 2016 11:30 am V:\3400_ADC\CAD\LRQ\LRCI-012\PLAN SHEETS\W3-CIV-ALG-LRCI-012.dwg By: kmclement

ALIGNMENT DATA CEDAR LAKE LRT REGIONAL TR														
SEGMENT NUMBER	BEGINNING STATION	ENDING 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
L4	7+00.00	7+58.98							58.98	145983.13	489686.03	146003.51	489741.37	69°46'59"
C3	7+58.98	8+02.73	7+84.01		69°37'37"	159°09'17.80"	36.00	25.03	43.75	146003.51	489741.37	145993.15	489781.15	69°46'59" 139°24'36"
L5	8+02.73	8+27.60							24.88	145993.15	489781.15	145974.26	489797.34	139°24'36"
C4	8+27.60	8+57.53	8+43.49		47°37'36"	159°09'17.80"	36.00	15.89	29.92	145974.26	489797.34	145961.70	489823.55	139°24'36" 91°47'00"
L6	8+57.53	9+41.53							84.00	145961.70	489823.55	145959.08	489907.51	91°47'00"
L7	9+41.53	9+61.10							19.57	145959.08	489907.51	145978.65	489908.12	1°47'00"
C5	9+61.10	11+69.66	10+79.77		68°17'00"	32°44'25.60"	175.00	118.67	208.56	145978.65	489908.12	146137.72	490023.37	1°47'00" 70°04'00"
L12	11+69.66	19+26.10							756.44	146137.72	490023.37	146395.61	490734.50	70°04'00"
C9	19+26.10	19+48.65	19+37.38		1°17'32"	5°43'46.48"	1000.00	11.28	22.56	146395.61	490734.50	146403.06	490755.78	70°04'00" 71°21'32"
L13	19+48.65	20+53.57							104.92	146403.06	490755.78	146436.59	490855.20	71°21'32"
C10	20+53.57	20+76.13	20+64.85		1°17'32"	5°43'46.48"	1000.00	11.28	22.56	146436.59	490855.20	146444.04	490876.49	71°21'32" 70°04'00"
L14	20+76.13	25+76.13							500.00	146444.04	490876.49	146614.51	491346.53	70°04'00"
C11	25+76.13	26+22.32	25+99.23		3°18'30"	7°09'43.10"	800.00	23.10	46.19	146614.51	491346.53	146631.50	491389.48	70°04'00" 66°45'29"
L15	26+22.32	26+80.08							57.76	146631.50	491389.48	146654.29	491442.55	66°45'29"
C12	26+80.08	27+26.28	27+03.18		3°18'30"	7°09'43.10"	800.00	23.10	46.19	146654.29	491442.55	146671.29	491485.50	66°45'29" 70°04'00"
L16	27+26.28	30+25.49							299.22	146671.29	491485.50	146773.30	491766.79	70°04'00"

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





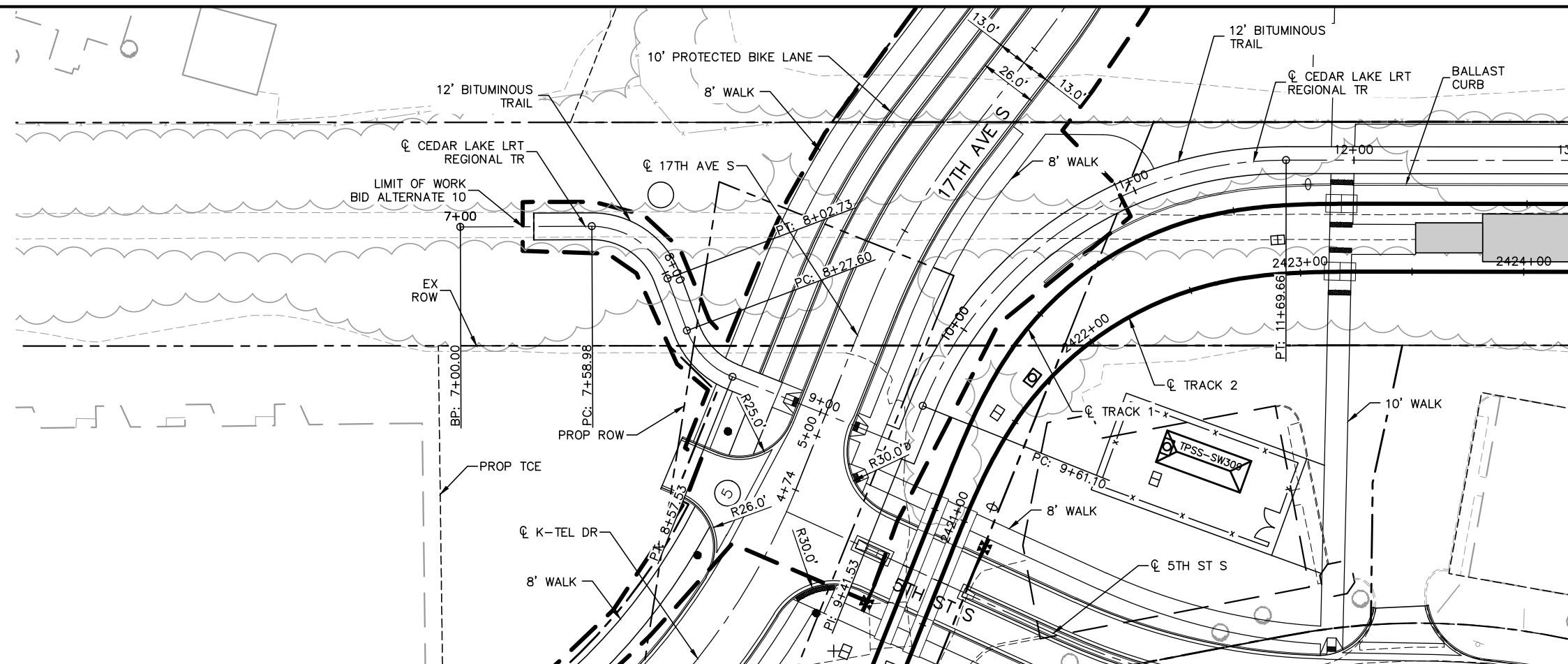
90% SUBMISSION - 01/22/16



CIVIL (BA10)
TRAIL
ALIGNMENT TABULATIONS

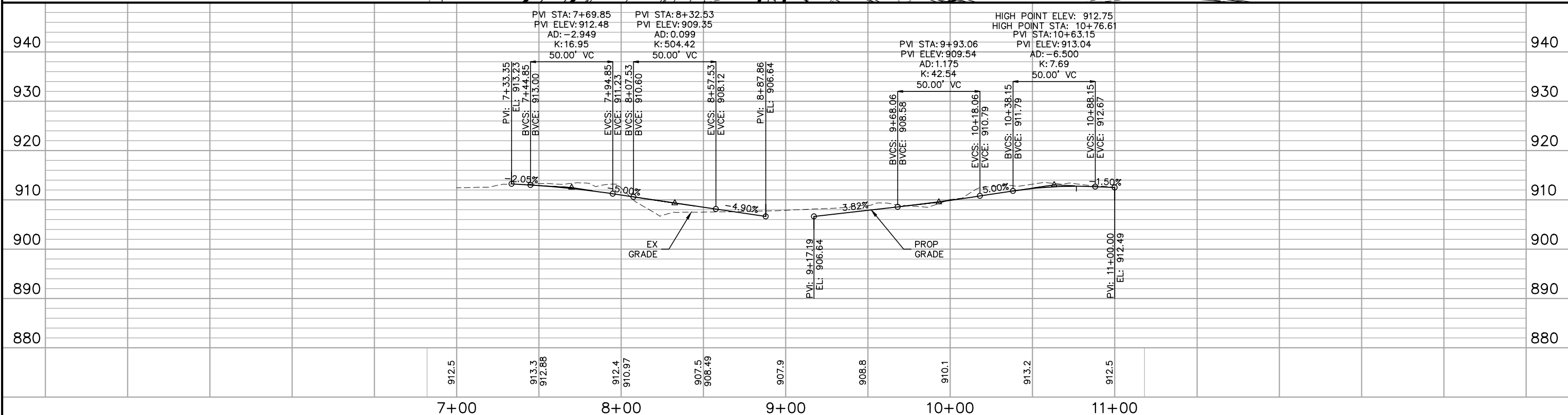
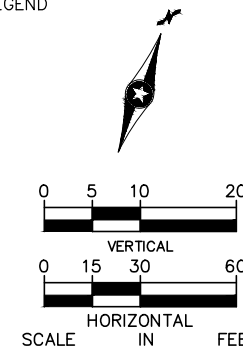
DISCIPLINE: CIVIL

SHEET NAME: W3-CIV-TAB-007-LRCI-012



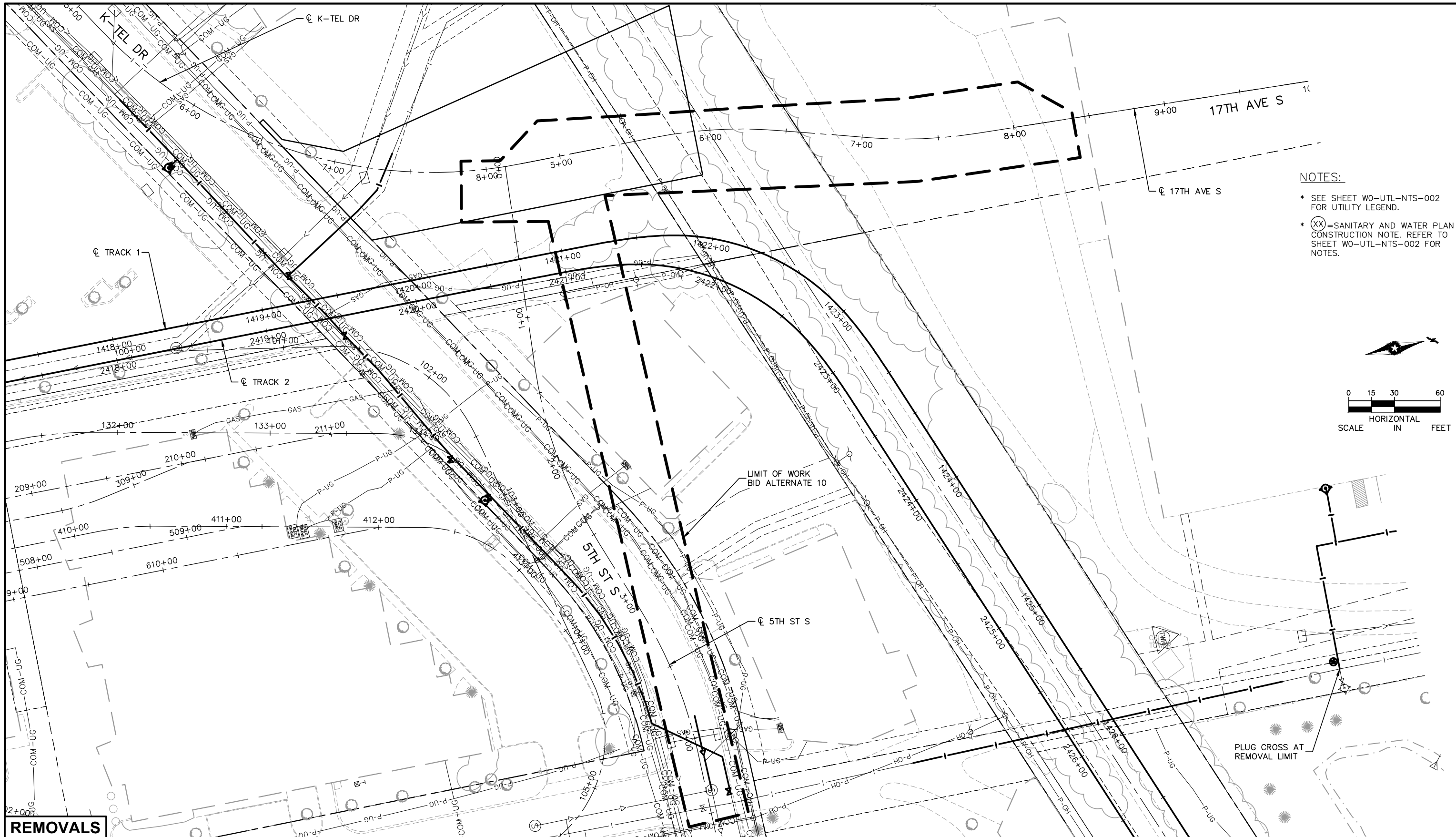
- ## CONSTRUCTION NOTES
- ① PEDESTRIAN CURB RAMP PER MNDOT STANDARD PLAN 5-297.250
 - ② PLATE BEAM GUARDRAIL DESIGN B PER MNDOT STANDARD PLATE 8307
 - ③ THREE BEAM BULLNOSE GUARDRAIL PER MNDOT STANDARD PLAN 5-297.611
 - ④ BRIDGE APPROACH PANEL PER MNDOT STANDARD PLANS 5-297.224 THRU 5-297.233
 - ⑤ DRIVEWAY APRON PER CITY OF EDEN PRAIRIE STANDARD DETAIL R-14
 - ⑥ DRIVEWAY APRON PER CITY OF HOPKINS STANDARD PLATE STRT-6A

- ## NOTES
-
1. ROADWAY PAVEMENT SHOWN IS BITUMINOUS UNLESS OTHERWISE NOTED
 2. SEE ROADWAY DETAIL GRADING PLANS FOR ADDITIONAL INFORMATION
 3. FOR LEGEND AND ADDITIONAL CONSTRUCTION NOTES SEE "CONSTRUCTION NOTES AND LEGEND"



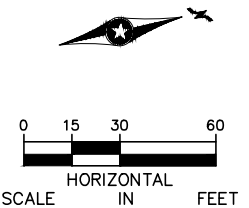
NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	 		 		CIVIL (BA10) CEDAR LAKE LRT REGIONAL TRAIL PLAN AND PROFILE STA. 7+00 TO STA. 11+00		SHEET 12 OF 30
						90% SUBMISSION - 01/22/16		DISCIPLINE: CIVIL		SHEET NAME: W3-CIV-TRL-009-LRCI-012		

Jan, 18 2016 01:51 pm V:\3400_ADC\CAD\LRQ\012\PLAN SHEETS\W3-UTL-PLN-LRC12.dwg By: V-JayannRB



NOTES:

- * SEE SHEET W0-UTL-NTS-002 FOR UTILITY LEGEND.
- * (XX)=SANITARY AND WATER PLAN CONSTRUCTION NOTE. REFER TO SHEET W0-UTL-NTS-002 FOR NOTES.

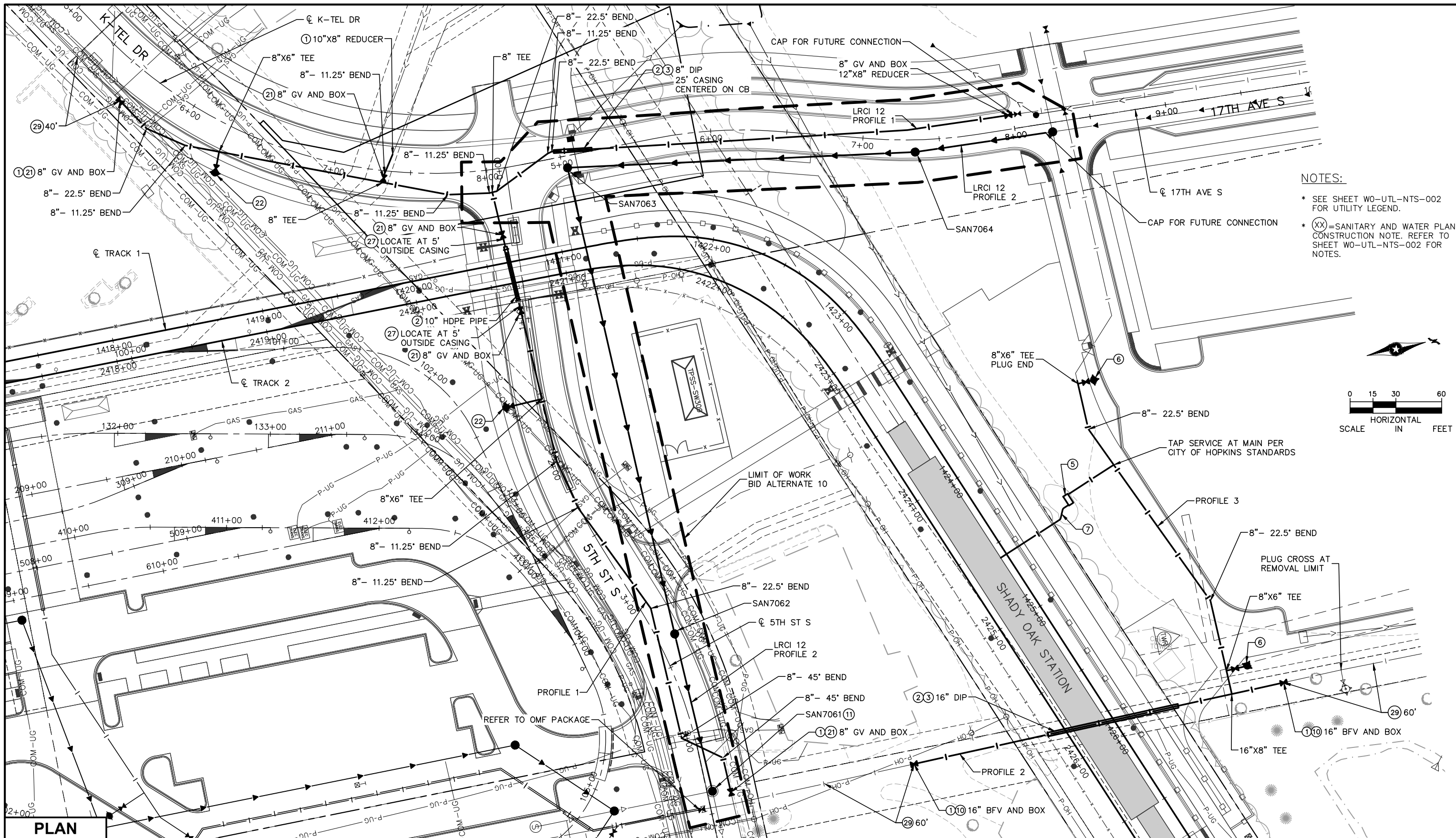


REMOVALS

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

 		 		CIVIL (BA10) 17TH AVENUE EXTENSION SHADY OAK STATION 1 OF 4 REMOVALS		SHEET 13 OF 30
90% SUBMISSION - 01/22/16		DISCIPLINE: UTILITIES		SHEET NAME: W3-UTL-PLN-014-LRC12		

Jan, 18 2016 01:52 pm V:\3400_ADC\CAD\LRCI\PLAN SHEETS\W3-UTL-PLN-LRCI12.dwg By: V-JayannRB



PLAN					
NO.	DATE	BY	CHECK/DESIGN	REVISION / SUBMITTAL	

AECOM
90% SUBMISSION - 01/22/16

pce

METROPOLITAN
C O U N C I L

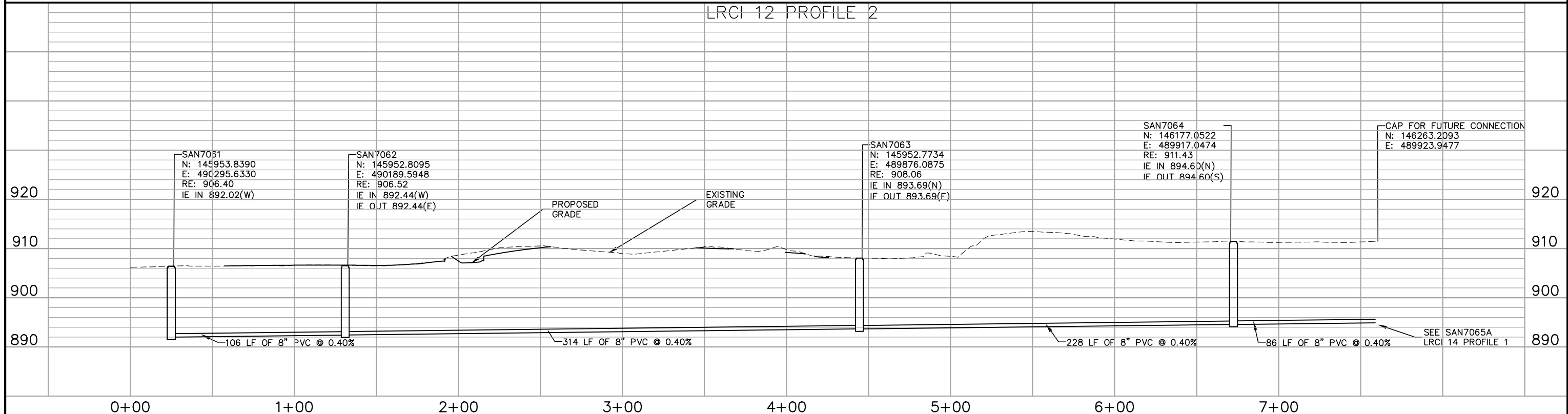
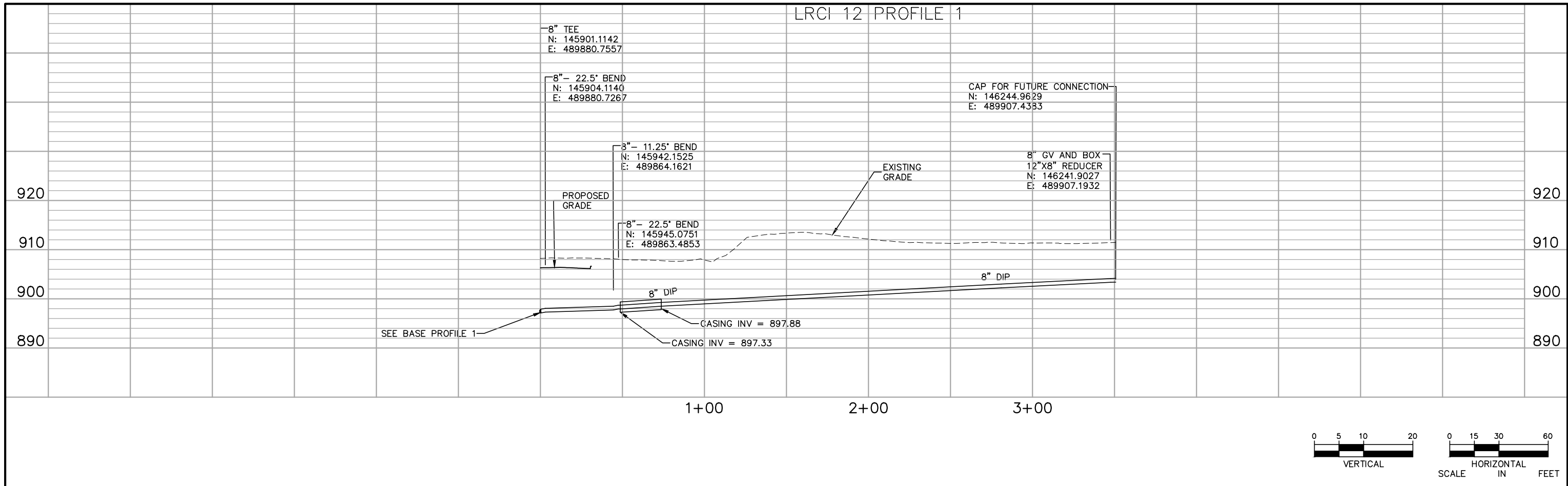
SOUTHWEST
Green Line LRT Extension

CIVIL (BA10)
17TH AVENUE EXTENSION
SHADY OAK STATION 2 OF 4
PLAN

DISCIPLINE: UTILITIES
SHEET NAME: W3-UTL-PLN-016-LRCI12

SHEET
14
OF
30

Jan, 18 2016 01:52 pm V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-UTL-LRCI12.dwg By: V-JayannRB

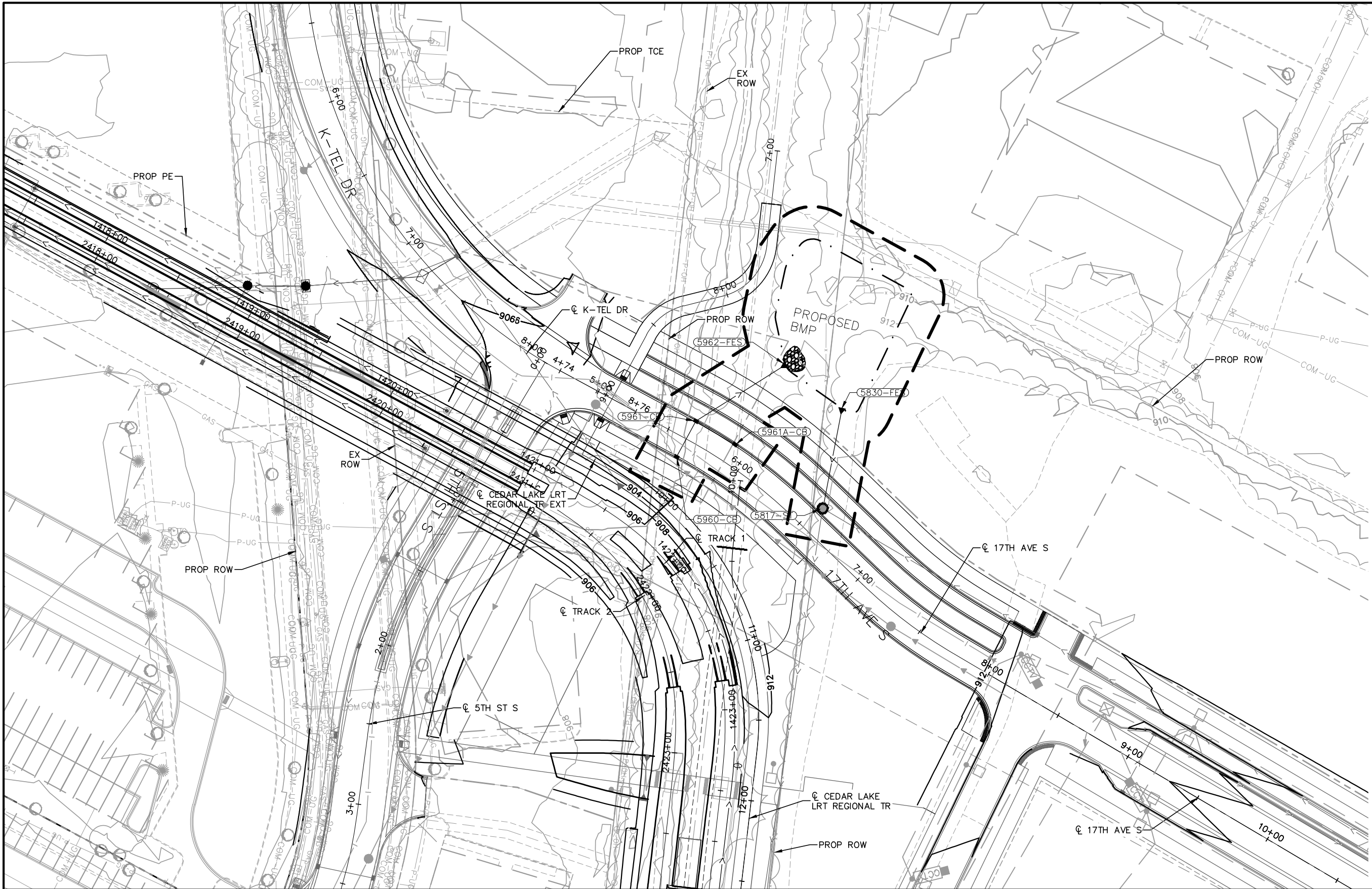


NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM	pce	METROPOLITAN C O U N C I L	SOUTHWEST Green Line LRT Extension	CIVIL (BA10) 17TH AVENUE EXTENSION SHADY OAK STATION 3 OF 4 PROFILES	SHEET 15 OF 30
90% SUBMISSION - 01/22/16				DISCIPLINE: UTILITIES	SHEET NAME: W3-UTL-PLN-018-LRCI12

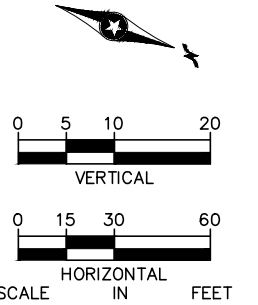
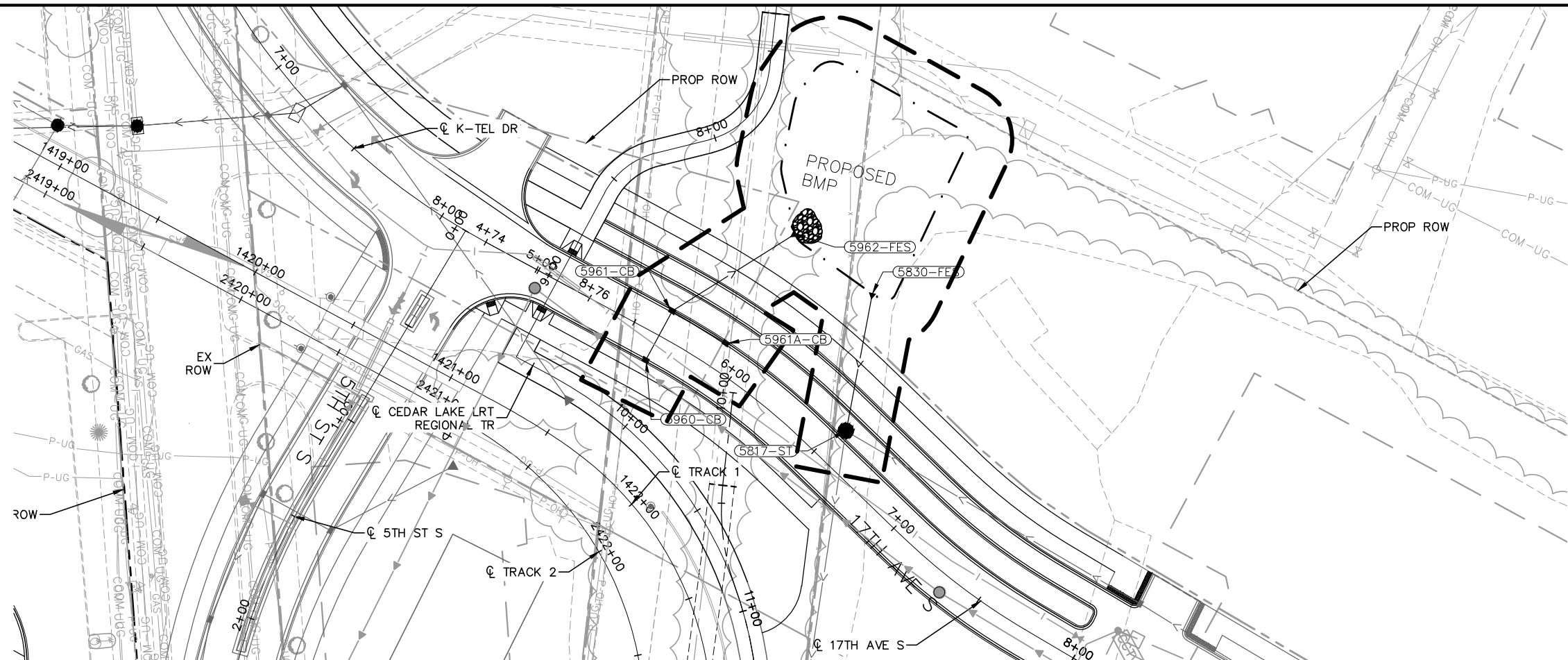
[illegible]

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	 		 		CIVIL (BA10) 17TH AVENUE EXTENSION SHADY OAK STATION 4 OF 4 PROFILES		SHEET 16 OF 30
						90% SUBMISSION - 01/22/16		DISCIPLINE: UTILITIES		SHEET NAME: W3-UTL-PLN-019-LRC12		

[illegible]

SHEET
17
OF
30

Jan, 18 2016 12:05 pm V:\3400_ADC\CAD\LRCI\012\PLAN SHEETS\W3-STM-PRF-LRCI12.dwg By: V-BuIEC



5961A-CB
N: 146040.7812
E: 489859.8028
RE 907.57
IE OUT 903.03 (S)

28 LF OF
15" RCP
@ 1.00%

5961-CB

5961-CB
N: 146012.6984
E: 489857.6571
RE 907.13
IE IN 902.75 (E)
IE IN 902.75 (N)
IE OUT 901.75 (NW)
IE SUMP 899.75
EX GRADE

5960-CB
N: 146011.9145
E: 489882.6449
RE 907.13
IE OUT 903.00 (W)

8" PROP WM

65 LF OF
15" RCP
@ 1.85%
25 LF OF
15" RCP
@ 1.00%

5962-FES
N: 146046.7436
E: 489801.7362
INV 900.54 (SE)

EX
GRADE

PROP
GRADE

63 LF OF
42" RCP
@ 1.79%

5817-ST
N: 146106.9547
E: 489870.7823
RE 909.38
IE IN 899.47 (W)

5830-FES
N: 146089.8386
E: 489810.1431
INV 900.60 (E)

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

WSB
& Associates, Inc.

METROPOLITAN
COUNCIL

SOUTHWEST
Green Line LRT Extension



**CIVIL WEST (BA10)
DRAINAGE
PLAN AND PROFILE
17TH AVE STA. 5+00 TO STA. 8+00**

DISCIPLINE:

DRAINAGE

SHEET NAME:

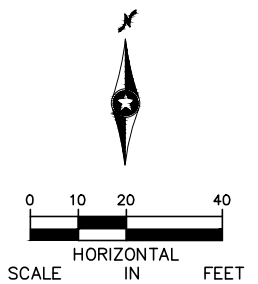
W3-STM-PRF-002-LRCI12

SHEET

18

OF

30

[illegible]

METROPOLITAN
COUNCIL



CIVIL WEST (BA 10)
17TH AVENUE SOUTH
URBAN DESIGN - LANDSCAPE PLAN

DISCIPLINE: **LANDSCAPE ARCH**

SHEET NAME:	W3-LAN-PLAN-001-LRCI-012
-------------	--------------------------

Jan, 18 2016 09:53 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W0-TFC-SIGN-TAB-LRCI-012.dwg By: bbetts

SIGN PANELS TYPE C						
DESIGN STANDARDS	SIGN NO	POSTS		PANEL	CODE NO	PANEL LEGEND
		NO & TYPE	KNEE BRACES QTY	SIZE		
				INCH		
CITY OF EDEN PRAIRIE	C-401	1-U		30 x 30	R1-1	STOP
CITY OF EDEN PRAIRIE	C-403	1-U		30 x 30	R8-3	NO PARKING
CITY OF EDEN PRAIRIE	C-404	2-U		36 x 36	R3-4	NO U TURN
				24 x 30	R4-7	KEEP RIGHT
				18 x 18	X4-2	HAZARD MARKER
CITY OF EDEN PRAIRIE	C-405	2-U		36 x 36	W3-3	SIGNAL AHEAD
				30 x 30	R8-3	NO PARKING
CITY OF EDEN PRAIRIE	C-406	2-U		36 x 36	R3-7L	LEFT LANE MUST TURN LEFT
CITY OF EDEN PRAIRIE	C-407	2-U		36 x 36	W6-2	DIVIDED HIGHWAY ENDS
CITY OF EDEN PRAIRIE	C-408	2-U		30 x 30	R8-3	NO PARKING
				36 x 30	R3-30AB	L-L
CITY OF EDEN PRAIRIE	C-409	1-U		24 X 30	R4-7	KEEP RIGHT
				18 x 18	X4-2	HAZARD MARKER
CITY OF EDEN PRAIRIE	C-410	2-U		66 x 30	R3-30ABERA	L-L-T/R-R
				30 x 30	R8-3	NO PARKING
CITY OF EDEN PRAIRIE	C-411	2-U		66 x 30	R3-30ABERA	L-L-T/R-R
CITY OF EDEN PRAIRIE	C-412	1-U		30 x 36	R2-1	SPEED LIMIT 40
CITY OF EDEN PRAIRIE	C-413	2-U		36 x 36	R3-4	NO U TURN
CITY OF EDEN PRAIRIE	C-415	2-U		36 x 36	R5-1	DO NOT ENTER
CITY OF EDEN PRAIRIE	C-416	2-U		66 x 30	R3-30ACBRA	L-T-R-R
CITY OF EDEN PRAIRIE	C-417	2-U		66 x 30	R3-30ACBRA	L-T-R-R
				30 x 30	R8-3	NO PARKING
CITY OF EDEN PRAIRIE	C-418	1-U		24 x 30	R8-8	DO NOT STOP ON TRACKS
CITY OF EDEN PRAIRIE	C-419	1-U		24 x 36	R10-6L	STOP HERE ON RED
CITY OF EDEN PRAIRIE	C-420	1-U		x	R7-1L	NO PARKING ANY TIME LEFT ARROW
CITY OF EDEN PRAIRIE	C-421	1-U		x	R7-1R	NO PARKING ANY TIME RIGHT ARROW
CITY OF EDEN PRAIRIE	C-422	1-U		30 x 36	R2-1	SPEED LIMIT 30
				30 x 30	R8-3	NO PARKING
CITY OF EDEN PRAIRIE	C-423	2-U		36 x 30	R3-30AD	L-T/R
CITY OF EDEN PRAIRIE	C-424	1-U		30 x 36	R2-1	SPEED LIMIT 45
CITY OF EDEN PRAIRIE	C-425	2-U		36 x 30	R3-30AB	R-R
CITY OF EDEN PRAIRIE	C-426	1-U		30 x 30	R3-30AE	L-L/T
CITY OF EDEN PRAIRIE	C-427	1-U		24 x 30	R8-8	DO NOT STOP ON TRACKS
				24 x 36	R10-6L	STOP HERE ON RED
CITY OF EDEN PRAIRIE	C-428	2-U		36 x 36	W3-3	SIGNAL AHEAD
CITY OF EDEN PRAIRIE	C-429	1-U		30 x 36	R2-1	SPEED LIMIT 30
CITY OF EDEN PRAIRIE	C-430	2-U		36 x 30	R3-30AC	L-T
CITY OF EDEN PRAIRIE	C-431	1-U		24 x 24	R8-3	NO PARKING
				30 x 30	W11-2	PED CROSSING
CITY OF EDEN PRAIRIE	C-432	1-U		24 x 18	W16-7mPL	ARROW
CITY OF EDEN PRAIRIE	C-433	2-U		48 x 24	W1-7	DOUBLE ARROW
				36 x 30	R3-30AD	L-T/R
CITY OF EDEN PRAIRIE	C-434	2-U		30 x 30	R8-3	NO PARKING
CITY OF MINNETONKA	C-500	1-U		24 x 24	R3-1	NO RIGHT TURN
CITY OF MINNETONKA	C-501	1-U		30 x 36	R6-2L	ONE WAY LEFT
CITY OF MINNETONKA	C-502	2-U		36 x 36	R3-7L	LEFT LANE MUST TURN LEFT
CITY OF MINNETONKA	C-503	1-U		30 x 30	R1-1	STOP
				24 x 24	R3-1	NO RIGHT TURN
CITY OF MINNETONKA	C-504	2-U		42 x 30	R5-1a	WRONG WAY
CITY OF MINNETONKA	C-505	1-U		30 x 30	R1-1	STOP
				36 x 36	W4-1L	MERGE LEFT
CITY OF MINNETONKA	C-506	2-U		36 x 36	R3-2	NO LEFT TURN
				36 x 36 x 36	R1-2	YIELD
CITY OF MINNETONKA	C-507	2-U		24 x 24	R3-1	NO RIGHT TURN
				36 x 36	W4-1R	MERGE RIGHT
CITY OF MINNETONKA	C-508	2-U		36 x 36	R3-1	NO RIGHT TURN
				36 x 36 x 36	R1-2	YIELD
CITY OF MINNETONKA	C-509	2-U		24 x 24	R3-2	NO LEFT TURN
CITY OF MINNETONKA	C-510	1-U		30 x 36	R6-2R	ONE WAY RIGHT
CITY OF MINNETONKA	C-511	1-U		30 x 30	R1-1	STOP
				24 x 24	R3-2	NO LEFT TURN
CITY OF MINNETONKA	C-512	1-U		24 x 24	R3-2	NO LEFT TURN
CITY OF MINNETONKA	C-513	2-U		36 x 36	R5-1	DO NOT ENTER
CITY OF MINNETONKA	C-514	1-U		30 x 30	W11-2	PEDESTRIAN CROSSING

SEE SHEET 53 FOR NOTES

SIGN PANELS TYPE C						
DESIGN STANDARDS	SIGN NO	POSTS		PANEL	CODE NO	PANEL LEGEND
		NO & TYPE	KNEE BRACES QTY	SIZE		
				INCH		
CITY OF MINNETONKA	C-515	1-U		30 x 30	W11-2	PEDESTRIAN CROSSING
				24 x 18	W16-7mPL	DOWN ARROW PLAQUE LEFT
CITY OF MINNETONKA	C-516	1-U		30 x 30	W11-2	PEDESTRIAN CROSSING
				24 x 18	W16-7mPR	DOWN ARROW PLAQUE RIGHT
CITY OF MINNETONKA	C-517	1-U		30 x 30	R3-7R	RIGHT LANE MUST TURN RIGHT
CITY OF MINNETONKA	C-518	2-U		48 x 24	W1-7	DOUBLE ARROW
CITY OF MINNETONKA	C-519	1-RP		30 x 30	R1-1	STOP
CITY OF MINNETONKA	C-520	1-U		30 x 30	W11-1	BIKE CROSSING
				24 x 18	W16-7mPL	DOWN ARROW PLAQUE LEFT
CITY OF MINNETONKA	C-521	1-U		12 x 18	R7-1 (MOD)	NO PARKING ANY TIME
CITY OF MINNETONKA	C-522	1-U		12 x 18	R7-1 (R)	NO PARKING ANY TIME (RT ARROW)
CITY OF MINNETONKA	C-523	1-U		30 x 30	W11-2	PEDESTRIAN CROSSING
				24 x 30	R2-1	SPEED LIMIT 30
CITY OF MINNETONKA	C-524	(9)		36 x 30	R3-30AA	L-R
CITY OF HOPKINS	C-600	1-RP		36 x 12	R6-1R	ONE WAY RIGHT
CITY OF HOPKINS	C-601	1-RP		24 x 30	R4-7	KEEP RIGHT
				30 x 30	W11-1	BIKE CROSSING
CITY OF HOPKINS	C-603	1-RP		12 x 18	R7-9 (MOD)	NO PARKING ANY TIME
				48 x 24	W1-7	DOUBLE ARROW
CITY OF HOPKINS	C-604	1-RP		30 x 30	W1-1 (R)	RIGHT TURN
				18 x 18	W13-1	ADVISORY SPEED
CITY OF HOPKINS	C-605	1-RP		30 x 30	W1-1 (L)	LEFT TURN
				18 x 18	W13-1	ADVISORY SPEED
CITY OF HOPKINS	C-606	1-RP		18 x 18	R8-3	NO PARKING
CITY OF HOPKINS	C-607	1-U		30 x 30	R1-1	STOP
CITY OF HOPKINS	C-608	1-U		12 x 18	R7-1 (R)	NO PARKING (RT ARROW)
CITY OF HOPKINS	C-609	1-U		12 x 18	R7-1 (L)	NO PARKING (LT ARROW)
CITY OF HOPKINS	C-610	1-U		24 x 30	R2-1	SPEED LIMIT 30
CITY OF HOPKINS	C-611	1-U		36 x 30	R3-30AD	L-T/R
				36 x 30	R3-30AD	L-T/R
CITY OF HOPKINS	C-612	2-U		12 x 18	R7-9 (MOD)	NO PARKING ANY TIME
				12 x 18	R7-9 (MOD)	NO PARKING ANY TIME
CITY OF HOPKINS	C-613	2-U		18 x 18	R1-1	#REF!
CITY OF HOPKINS	C-614	1-U		12 x 18	R7-1 (R)	NO PARKING (RT ARROW)
CITY OF HOPKINS	C-615	1-U		12 x 18	R7-1 (L)	NO PARKING (LT ARROW)
CITY OF HOPKINS	C-616	1-RP		12 x 18	R7-1 (L)	NO PARKING (LT ARROW)
CITY OF HOPKINS	C-617	1-RP		24 x 24	R8-3	#REF!
CITY OF HOPKINS	C-618			30 x 30	W11-2	PEDESTRIAN CROSSING
CITY OF HOPKINS	C-619	1-U		24 x 18	W16-7mPL	DOWN ARROW PLAQUE LEFT
CITY OF HOPKINS	C-620	1-U		30 x 30	W11-2	PEDESTRIAN CROSSING
				24 x 36	R10-6L	STOP HERE ON RED LEFT
CITY OF HOPKINS	C-621			24 x 30	R8-8	DO NOT STOP ON TRACKS
CITY OF HOPKINS	C-622			24 x 30	R8-8	DO NOT STOP ON TRACKS
CITY OF ST. LOUIS PARK	C-700	1-U		24 x 24	R8-3	NO PARKING
CITY OF ST. LOUIS PARK	C-701	1-U		24 x 30	R4-7	KEEP RIGHT
CITY OF ST. LOUIS PARK	C-702	1-U		36 x 36	R5-1	DO NOT ENTER
CITY OF ST. LOUIS PARK	C-703	2-U		36 x 36	R3-7L	LEFT LANE MUST TURN LEFT
CITY OF ST. LOUIS PARK	C-704	2-U		36 x 30	R3-30AD	L-TR
CITY OF ST. LOUIS PARK	C-705			24 x 24	R8-3	NO PARKING
CITY OF ST. LOUIS PARK	C-706	1-U		24 x 30	R2-1	SPEED LIMIT 30
				30 x 30	R1-1	STOP
CITY OF ST. LOUIS PARK	C-707	1-U		18 x 6	R1-3P	ALL WAY PLAQUE
CITY OF ST. LOUIS PARK	C-709	1-U		30 x 30	R3-7A	ALL TRAFFIC MUST TURN RIGHT
CITY OF ST. LOUIS PARK	C-712	1-U		24 x 36	R10-6L	STOP HERE ON RED LEFT
CITY OF ST. LOUIS PARK	C-713	1-U		24 x 36	R10-6R	STOP HERE ON RED RIGHT
CITY OF ST. LOUIS PARK	C-714	1-U		18 x 18	R9-3	NO PEDESTRIANS
				36 x 36	W11-2	PEDESTRIAN CROSSING
CITY OF ST. LOUIS PARK	C-715	1-U		12 x 18	R7-1	NO PARKING ANYTIME
				24 x 30	R8-8	DO NOT STOP ON TRACKS
CITY OF ST. LOUIS PARK	C-716	1-U		18 x 18	R9-3	NO PEDESTRIANS
CITY OF ST. LOUIS PARK	C-717			30 x 36	R2-1	SPEED LIMIT 30
CITY OF ST. LOUIS PARK	C-718	1-U		12 x 18	R7-1	NO PARKING ANYTIME
				36 x 36	R3-7R	RIGHT LANE MUST TURN RIGHT
CITY OF ST. LOUIS PARK	C-720	1-U		24 x 24	R8-3	NO PARKING
CITY OF ST. LOUIS PARK	C-721	2-U		66 x 30	R3-30ABCA	L-L-T-R
CITY OF ST. LOUIS PARK	C-722	1-U		30 x 30	W14-1	DEAD END
CITY OF ST. LOUIS PARK	C-723	1-U		30 x 30	R1-1	STOP
				24 x 24	R3-2R	NO RIGHT TURN
CITY OF ST. LOUIS PARK	C-724	1-U		30 x 30	R5-1	DO NOT ENTER

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



90% SUBMISSION - 01/22/16



METROPOLITAN
COUNCIL



SOUTHWEST
Green Line LRT Extension

CIVIL WEST (BA10)
SIGN TABULATIONS
SIGNING AND STRIPING
SHEET 3

DISCIPLINE:
TRAFFIC

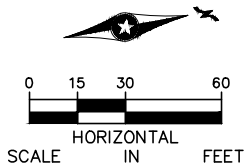
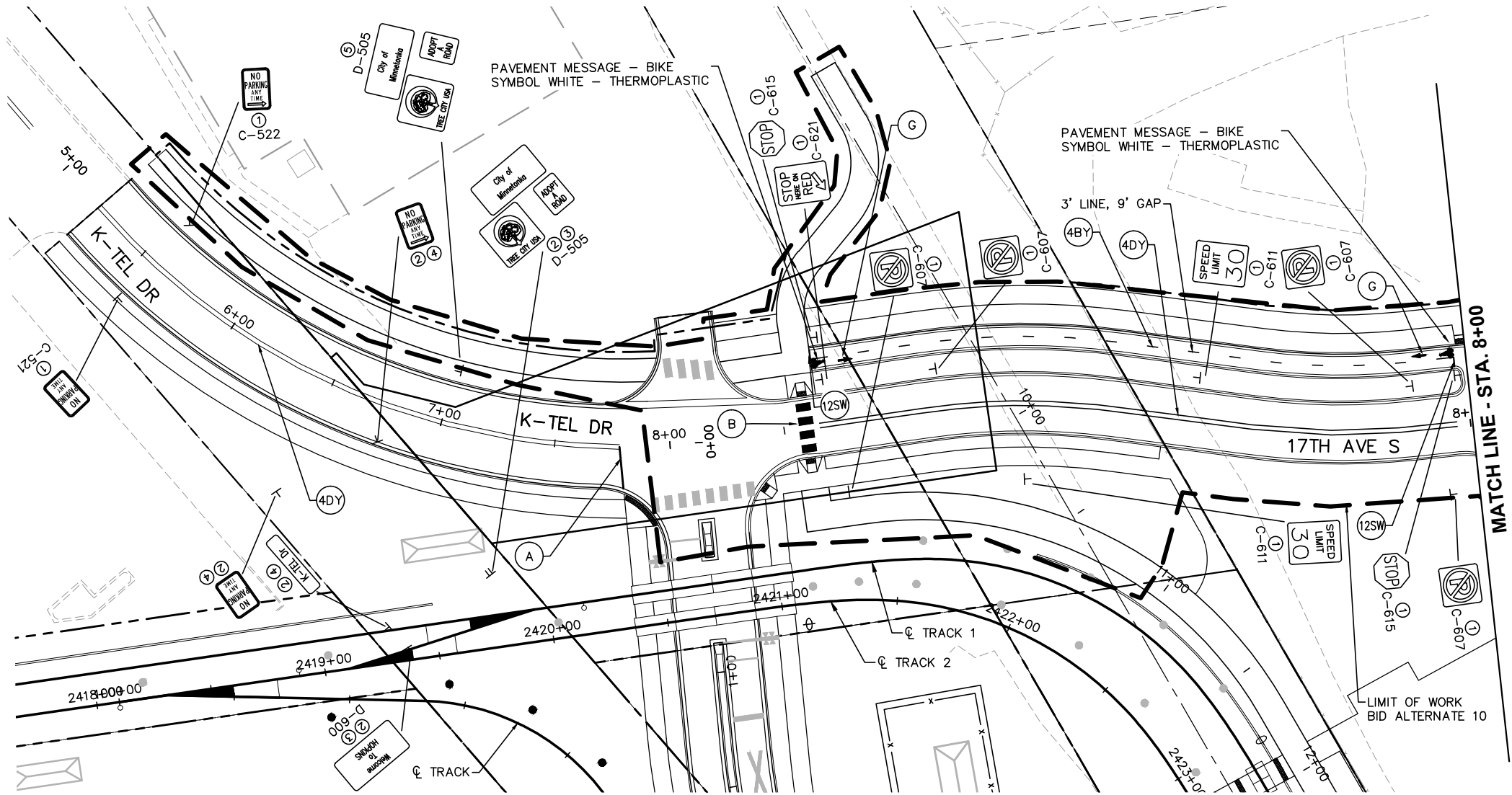
SHEET NAME:
W0-TFC-SIGN-TAB-003-LRCI-012

SHEET
20
OF
30

Jan, 18 2016 09:55 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-TFC-SIGN-STRP-LRCI-012.dwg By: bbetts

- NOTES:
1. SIGNS SHALL BE PLACED AS DETAILED ON SIGNING AND STRIPING DETAIL SHEETS.
 2. ALL PAVEMENT MARKINGS ARE INPLACE AND SHALL REMAIN INPLACE UNLESS OTHERWISE NOTED.

- ① FURNISH & INSTALL
② INPLACE
③ SALVAGE
④ REMOVE
⑤ INSTALL
⑥ FURNISH AND INSTALL SIGN PANEL
⑦ REMOVE SIGN PANEL
⑧ INSTALL SIGN PANEL
- A STOP BAR - 24" SOLID LINE
WHITE - THERMOPLASTIC
B CROSSWALK MARKING - 6' WIDE
WHITE - THERMOPLASTIC
C PAVEMENT MESSAGE - RR CROSSING
WHITE - THERMOPLASTIC
D PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - THERMOPLASTIC
E PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - THERMOPLASTIC
F PAVEMENT MESSAGE - BIKE SYMBOL WHITE ON
BLACK RECTANGLE BACKGROUND - THERMOPLASTIC
G PAVEMENT MESSAGE - THRU ARROW
WHITE - THERMOPLASTIC
H PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - EPOXY
I PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - EPOXY
J CROSSWALK MARKING - 6' WIDE
WHITE - EPOXY
K PAVEMENT MESSAGE - SHARED THRU/RIGHT TURN ARROW
WHITE - THERMOPLASTIC
L STOP BAR - 24" SOLID LINE
WHITE - EPOXY
M PAVEMENT MESSAGE - RR CROSSING
WHITE - EPOXY
N PAVEMENT MESSAGE - SHARED LEFT TURN/THRU ARROW
WHITE - EPOXY
O PAVEMENT MESSAGE - SHARED LEFT/RIGHT TURN ARROW
WHITE - THERMOPLASTIC
P PAVEMENT MESSAGE - SHARED THRU/RIGHT TURN ARROW
WHITE - EPOXY
Q PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - PREFORMED TAPE (GROUND IN)
R PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - PREFORMED TAPE (GROUND IN)
S CROSSWALK MARKING - 10' WIDE
WHITE - PREFORMED TAPE (GROUND IN)
T CROSSWALK MARKING - 20' WIDE
WHITE - PREFORMED TAPE (GROUND IN)
U PAVEMENT MESSAGE - RR CROSSING
WHITE - PREFORMED TAPE (GROUND IN)
V STOP BAR - 12" SOLID LINE
WHITE - PREFORMED TAPE (GROUND IN)
W CROSSWALK MARKING - 6" SOLID LINE
WHITE - PREFORMED TAPE (GROUND IN)
X PAVEMENT MESSAGE - BIKE SYMBOL
WHITE - PREFORMED TAPE (GROUND IN)
Y PAVEMENT MESSAGE - BIKE SYMBOL
WHITE - PAINT
Z PAVEMENT MESSAGE - PED SYMBOL
WHITE - PAINT



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRI
Consulting Group, Inc.

METROPOLITAN
C O U N C I L

SOUTHWEST
Green Line Light Extension

CIVIL WEST (BA10)
K-TEL DRIVE AND 17TH AVENUE SOUTH
SIGNING AND STRIPING
STA. 5+13 TO STA. 8+00

DISCIPLINE:
TRAFFIC

SHEET NAME:
W3-TFC-SIGN-STRP-008-LRCI-012

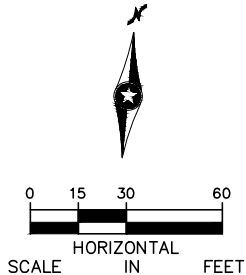
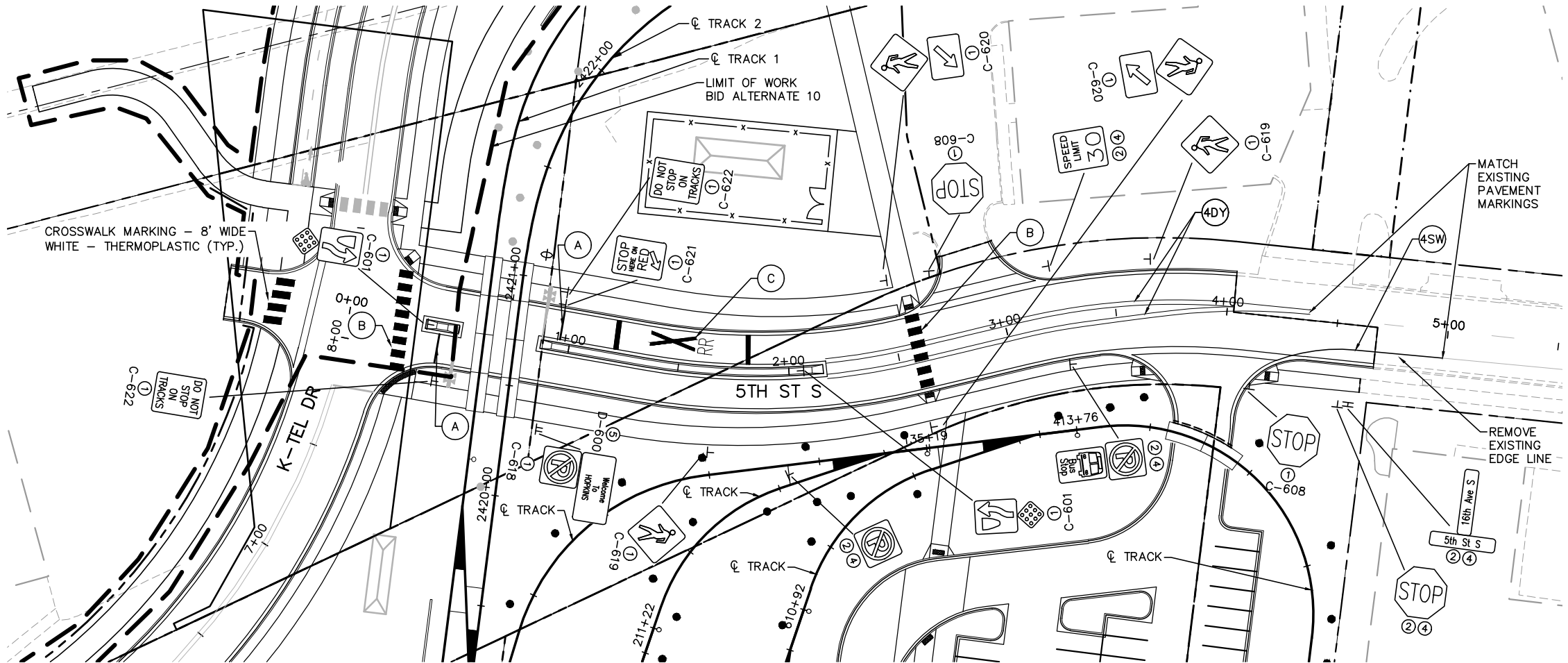
SHEET
21
OF
30

90% SUBMISSION - 01/22/16

Jan, 18 2016 09:55 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-TFC-SIGN-STRP-LRCI-012.dwg By: bbetts

- NOTES:
1. SIGNS SHALL BE PLACED AS DETAILED ON SIGNING AND STRIPING DETAIL SHEETS.
 2. ALL PAVEMENT MARKINGS ARE INPLACE AND SHALL REMAIN INPLACE UNLESS OTHERWISE NOTED.

- ① FURNISH & INSTALL
- ② INPLACE
- ③ SALVAGE
- ④ REMOVE
- ⑤ INSTALL
- ⑥ FURNISH AND INSTALL SIGN PANEL
- ⑦ REMOVE SIGN PANEL
- ⑧ INSTALL SIGN PANEL
- (A) STOP BAR - 24" SOLID LINE
WHITE - THERMOPLASTIC
- (B) CROSSWALK MARKING - 6' WIDE
WHITE - THERMOPLASTIC
- (C) PAVEMENT MESSAGE - RR CROSSING
WHITE - THERMOPLASTIC
- (D) PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - THERMOPLASTIC
- (E) PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - THERMOPLASTIC
- (F) PAVEMENT MESSAGE - BIKE SYMBOL WHITE ON
BLACK RECTANGLE BACKGROUND - THERMOPLASTIC
- (G) PAVEMENT MESSAGE - THRU ARROW
WHITE - THERMOPLASTIC
- (H) PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - EPOXY
- (I) PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - EPOXY
- (J) CROSSWALK MARKING - 6' WIDE
WHITE - EPOXY
- (K) PAVEMENT MESSAGE - SHARED THRU/RIGHT TURN ARROW
WHITE - THERMOPLASTIC
- (L) STOP BAR - 24" SOLID LINE
WHITE - EPOXY
- (M) PAVEMENT MESSAGE - RR CROSSING
WHITE - EPOXY
- (N) PAVEMENT MESSAGE - SHARED LEFT TURN/THRU ARROW
WHITE - EPOXY
- (O) PAVEMENT MESSAGE - SHARED LEFT/RIGHT TURN ARROW
WHITE - THERMOPLASTIC
- (P) PAVEMENT MESSAGE - SHARED THRU/RIGHT TURN ARROW
WHITE - EPOXY
- (Q) PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - PREFORMED TAPE (GROUND IN)
- (R) PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - PREFORMED TAPE (GROUND IN)
- (S) CROSSWALK MARKING - 10' WIDE
WHITE - PREFORMED TAPE (GROUND IN)
- (T) CROSSWALK MARKING - 20' WIDE
WHITE - PREFORMED TAPE (GROUND IN)
- (U) PAVEMENT MESSAGE - RR CROSSING
WHITE - PREFORMED TAPE (GROUND IN)
- (V) STOP BAR - 12" SOLID LINE
WHITE - PREFORMED TAPE (GROUND IN)
- (W) CROSSWALK MARKING - 6" SOLID LINE
WHITE - PREFORMED TAPE (GROUND IN)
- (X) PAVEMENT MESSAGE - BIKE SYMBOL
WHITE - PREFORMED TAPE (GROUND IN)
- (Y) PAVEMENT MESSAGE - BIKE SYMBOL
WHITE - PAINT
- (Z) PAVEMENT MESSAGE - PED SYMBOL
WHITE - PAINT



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM



90% SUBMISSION - 01/22/16

**CIVIL WEST (BA10)
5TH STREET SOUTH
SIGNING AND STRIPING
STA. 0+00 TO STA. 5+50**

DISCIPLINE:
TRAFFIC

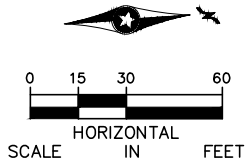
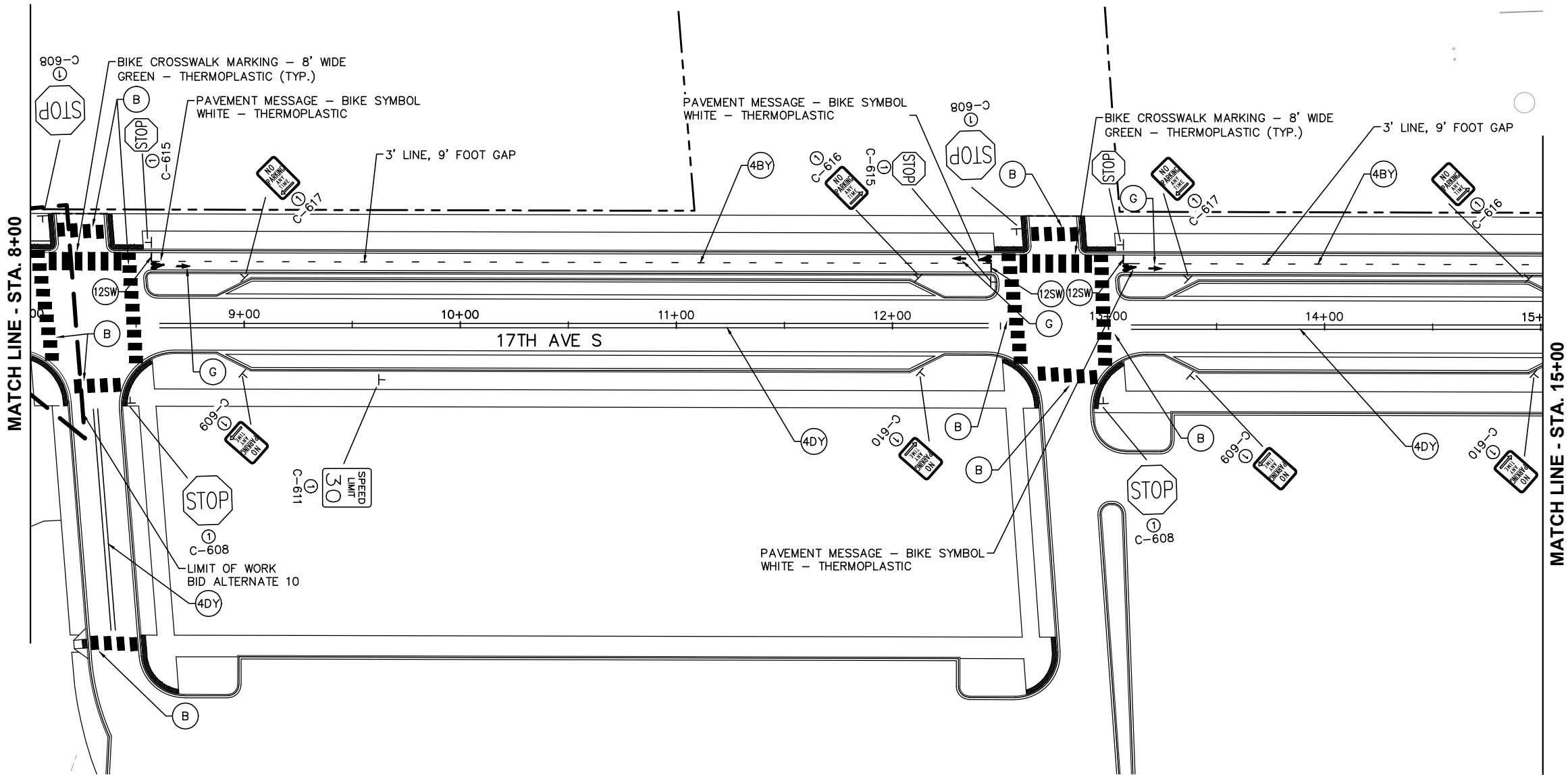
SHEET NAME:
W3-TFC-SIGN-STRP-009-LRCI-012

SHEET
22
OF
30

Jan, 18 2016 09:55 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-TFC-SIGN-STRP-LRCI-012.dwg By: bbetts

- NOTES:
1. SIGNS SHALL BE PLACED AS DETAILED ON SIGNING AND STRIPING DETAIL SHEETS.
 2. ALL PAVEMENT MARKINGS ARE INPLACE AND SHALL REMAIN INPLACE UNLESS OTHERWISE NOTED.

- ① FURNISH & INSTALL
② INPLACE
③ SALVAGE
④ REMOVE
⑤ INSTALL
⑥ FURNISH AND INSTALL SIGN PANEL
⑦ REMOVE SIGN PANEL
⑧ INSTALL SIGN PANEL
A STOP BAR - 24" SOLID LINE
WHITE - THERMOPLASTIC
B CROSSWALK MARKING - 6' WIDE
WHITE - THERMOPLASTIC
C PAVEMENT MESSAGE - RR CROSSING
WHITE - THERMOPLASTIC
D PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - THERMOPLASTIC
E PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - THERMOPLASTIC
F PAVEMENT MESSAGE - BIKE SYMBOL WHITE ON
BLACK RECTANGLE BACKGROUND - THERMOPLASTIC
G PAVEMENT MESSAGE - THRU ARROW
WHITE - THERMOPLASTIC
H PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - EPOXY
I PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - EPOXY
J CROSSWALK MARKING - 6' WIDE
WHITE - EPOXY
K PAVEMENT MESSAGE - SHARED THRU/RIGHT TURN ARROW
WHITE - THERMOPLASTIC
L STOP BAR - 24" SOLID LINE
WHITE - EPOXY
M PAVEMENT MESSAGE - RR CROSSING
WHITE - EPOXY
N PAVEMENT MESSAGE - SHARED LEFT TURN/THRU ARROW
WHITE - EPOXY
O PAVEMENT MESSAGE - SHARED LEFT/RIGHT TURN ARROW
WHITE - THERMOPLASTIC
P PAVEMENT MESSAGE - SHARED THRU/RIGHT TURN ARROW
WHITE - EPOXY
Q PAVEMENT MESSAGE - RIGHT TURN ARROW
WHITE - PREFORMED TAPE (GROUND IN)
R PAVEMENT MESSAGE - LEFT TURN ARROW
WHITE - PREFORMED TAPE (GROUND IN)
S CROSSWALK MARKING - 10' WIDE
WHITE - PREFORMED TAPE (GROUND IN)
T CROSSWALK MARKING - 20' WIDE
WHITE - PREFORMED TAPE (GROUND IN)
U PAVEMENT MESSAGE - RR CROSSING
WHITE - PREFORMED TAPE (GROUND IN)
V STOP BAR - 12" SOLID LINE
WHITE - PREFORMED TAPE (GROUND IN)
W CROSSWALK MARKING - 6" SOLID LINE
WHITE - PREFORMED TAPE (GROUND IN)
X PAVEMENT MESSAGE - BIKE SYMBOL
WHITE - PREFORMED TAPE (GROUND IN)
Y PAVEMENT MESSAGE - BIKE SYMBOL
WHITE - PAINT
Z PAVEMENT MESSAGE - PED SYMBOL
WHITE - PAINT



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRI
Consulting Group, Inc.

METROPOLITAN
COUNCIL

SOUTHWEST
Green Line Light Extension

CIVIL WEST (BA10)
17TH AVENUE SOUTH
SIGNING AND STRIPING
STA. 8+00 TO STA. 15+00

DISCIPLINE:
TRAFFIC

SHEET NAME:
W3-TFC-SIGN-STRP-010-LRCI-012

SHEET
23
OF
30

90% SUBMISSION - 01/22/16

Jan, 18 2016 09:55 am V:\3400_ADC\CAD\CAD\LRCI\LRCI-012\PLAN SHEETS\W0-TFC-SIG-DTL-LRCI-012.dwg By: bbetts

Intersection		Applicable Standards/Details
System "A"	Technology Dr/SW Station East Entrance	Hennepin County
System "B"	Prairie Center Dr/Technology Dr	MnDOT
System "C"	Prairie Center Dr/TH 212 South Ramps/Technology Dr	MnDOT
System "D"	Prairie Center Dr/TH 212 North Ramps/Plaza Dr	MnDOT
System "E"	Eden Rd/Eden Rd	Hennepin County
System "F"	CSAH 61 (Flying Cloud Dr)/Eden Rd/Leona Rd	Hennepin County
System "G"	CSAH 61 (Flying Cloud Dr)/TH 494 South Ramp/Technology Dr	MnDOT
System "H"	CSAH 61 (Flying Cloud Dr)/Viking Dr	Hennepin County
System "I"	CSAH 3 (Excelsior Blvd)/17th Ave S	Hennepin County
System "J"	CSAH 3 (Excelsior Blvd)/ 8th Ave S	Hennepin County
System "K"	CSAH 3 (Excelsior Blvd)/ 5th Ave S	Hennepin County
System "L"	CSAH 3 (Excelsior Blvd)/ Milwaukee St	Hennepin County
System "M"	CSAH 3 (Excelsior Blvd)/ Pierce Ave	Hennepin County
System "N"	CSAH 20 (Blake Rd N)/ 2nd St NE	Hennepin County
System "O"	Louisiana Ave S/ Oxford St	Hennepin County
System "P"	TH 7 / Wooddale Ave S	MnDOT
System "Q"	Wooddale Ave S/ W 36th St	Hennepin County
System "R"	CSAH 25 (W Lake St)/ Beltline Blvd	Hennepin County
System "S"	Beltline Blvd/ Track Crossing	Hennepin County
System "T"	CSAH 25 (W Lake St) / Lynn Ave	Hennepin County
System "U"	CSAH 25 (W Lake St) / Drew Ave S	Minneapolis
System "V"	CSAH 25 (W Lake St) / Market Plaza	Minneapolis
System "W"	CSAH 3 (Excelsior Blvd)/ W 32nd St	Minneapolis
System "X"	CSAH 3 (Excelsior Blvd)/ Whole Foods Driveway	Minneapolis
System "Y"	CSAH 3 (Excelsior Blvd)/ Market Plaza	Minneapolis
Flasher "Z"	Cedar Lake Pkwy/ Kenilworth Trl	Minneapolis
System "AA"	Royalston Ave/ Holden St	Minneapolis
System "AB"	7th St N/ 5th Ave N	Minneapolis
System "AC"	Dunwoody Blvd/ Parade Stadium Dr	Minneapolis
System "AD"	TH 212/CSAH 61 (Flying Cloud Dr)/Valley View Rd/Prairie Center Dr	MnDOT
System "AF"	5th St S/K-Tel Dr/17th Ave S (LRCI #12)	Hennepin County

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL





90% SUBMISSION - 01/22/16



CIVIL WEST (BA10)
TRAFFIC SIGNAL
INTERSECTION LEGEND

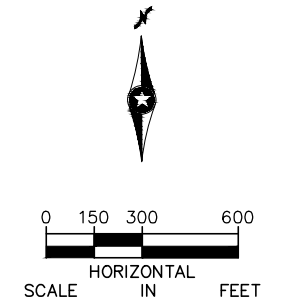
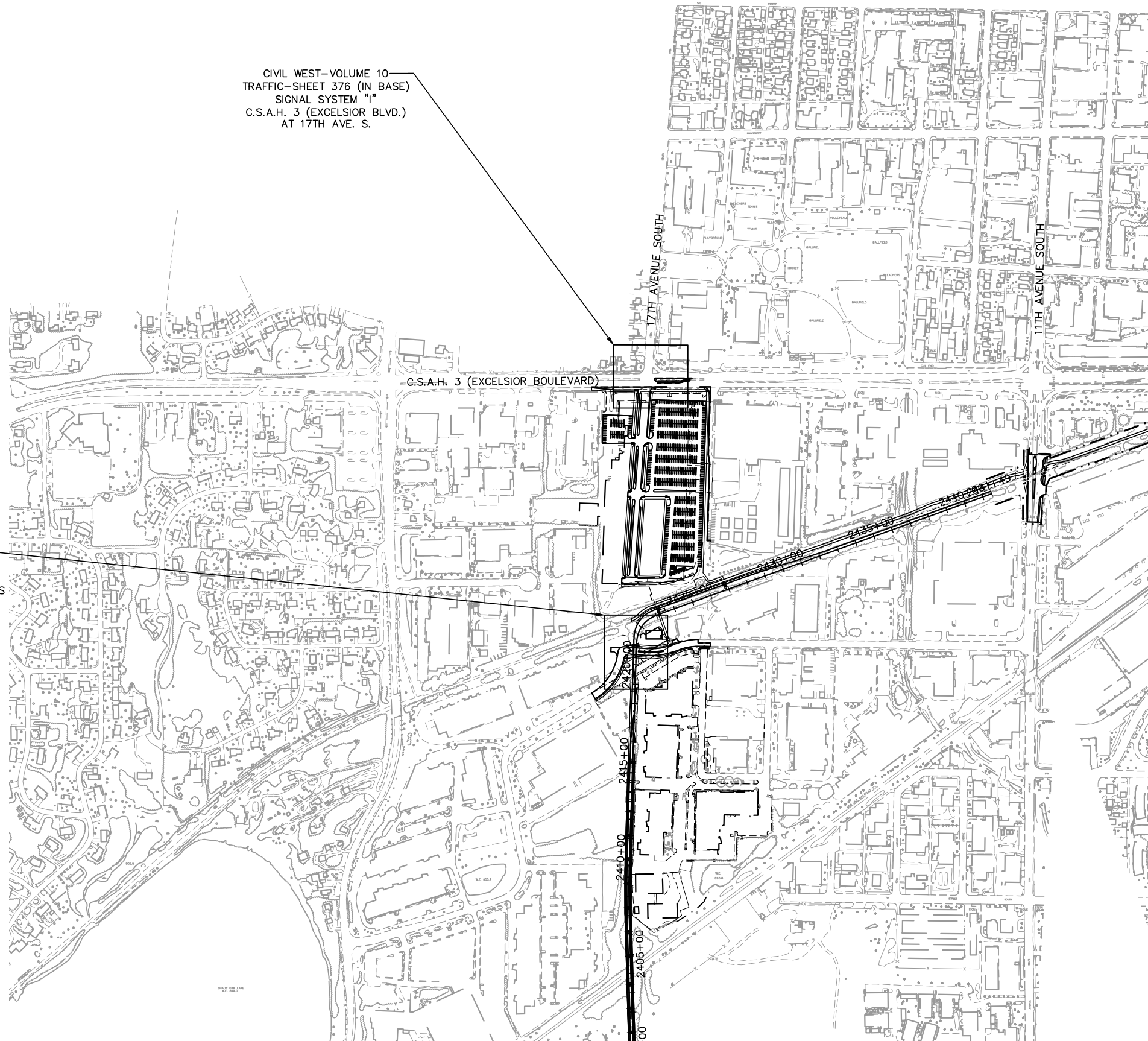
DISCIPLINE: TRAFFIC

SHEET NAME: W0-TFC-SIG-DTL-LRCI-012

Jan, 18 2016 09:57 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-TFC-SIG-LAY-LRCI-012.dwg By: bbetts

CIVIL WEST-VOLUME 10
TRAFFIC-SHEET 27 (IN LRCI)
SIGNAL SYSTEM "AF"
17TH AVE S/K-TEL DR AT 5TH ST S

CIVIL WEST-VOLUME 10
TRAFFIC-SHEET 376 (IN BASE)
SIGNAL SYSTEM "I"
C.S.A.H. 3 (EXCELSIOR BLVD.)
AT 17TH AVE. S.



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM



90% SUBMISSION - 01/22/16

**CIVIL WEST (BA10)
TRAFFIC SIGNAL
PLAN SHEET LAYOUT**

DISCIPLINE:
TRAFFIC

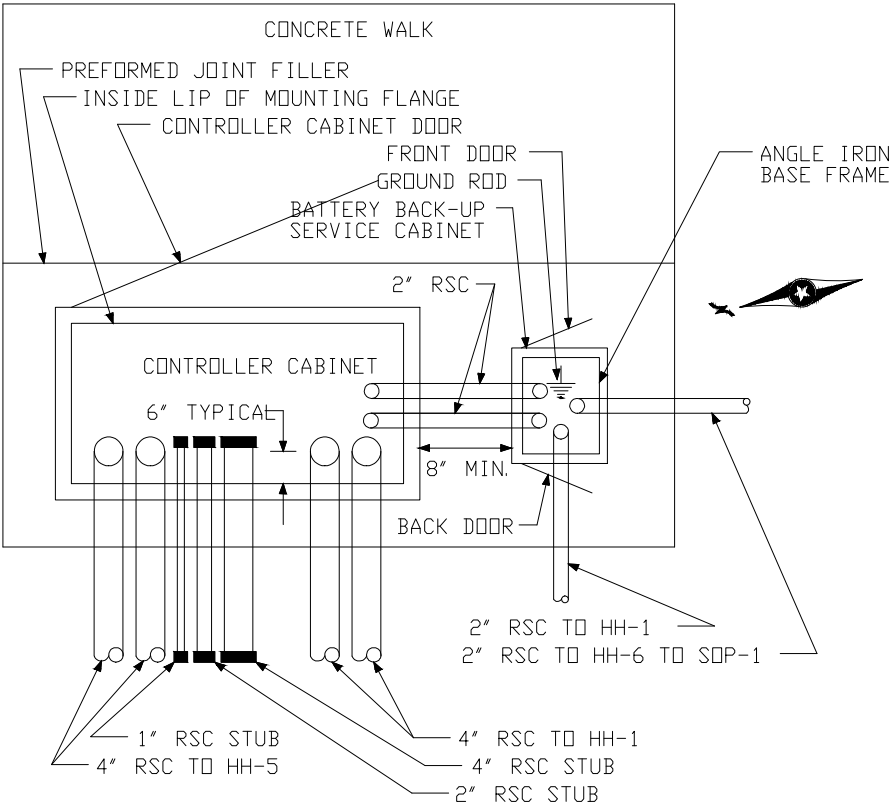
SHEET NAME:
W3-TFC-SIG-LAY-003-LRCI-012

SHEET
25
OF
30

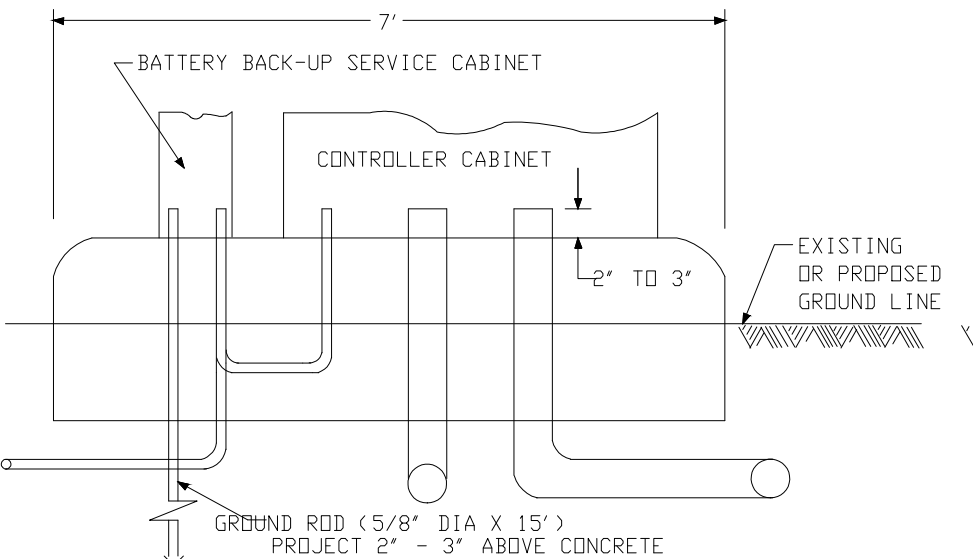
Jan, 18 2016 09:57 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-TFC-SIG-CCD-LRCI-012.dwg By: bbetts

TYPICAL PAD WITH CONTROLLER CABINET AND SERVICE CABINET
NOT TO SCALE FOR ILLUSTRATION ONLY
SEE SIGNAL PLAN LAYOUT FOR ADDITIONAL INFORMATION

PLAN VIEW



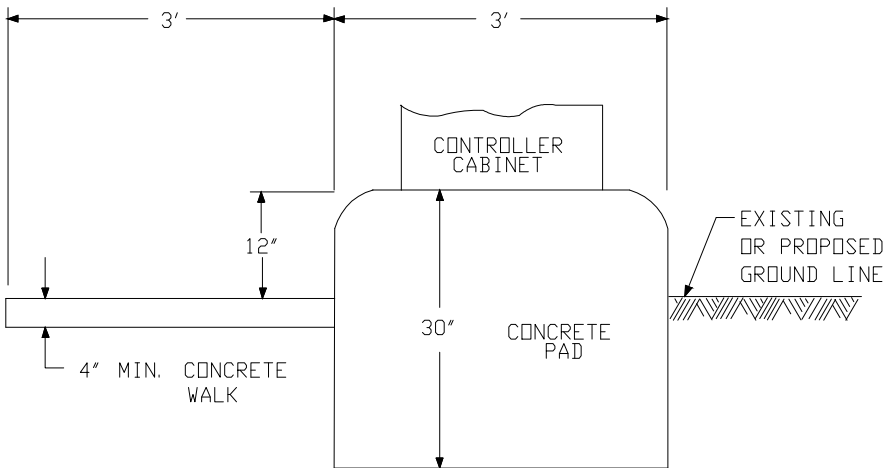
FRONT VIEW



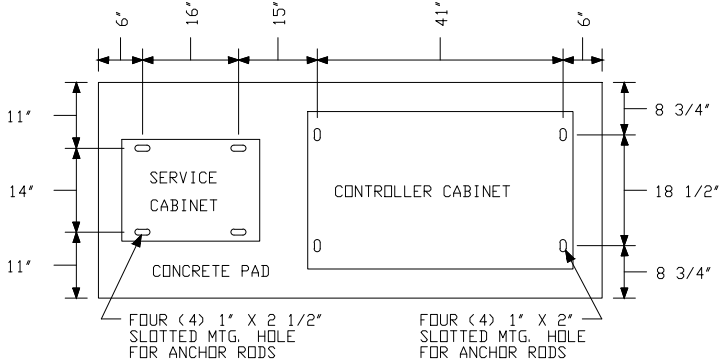
NOTES:

1. THE UPPER PART OF THE CONCRETE PAD SHALL BE BEVELED OR CHAMFERED IN A NEAT MANNER, AS DIRECTED BY THE ENGINEER.
2. THE TOP OF THE CONDUITS SHALL BE THREADED AND CAPPED AFTER INSTALLATION (UNTIL CABLES ARE INSTALLED).
3. THE LOCATION OF CONDUITS WITHIN THE CONCRETE PAD SHALL BE 6" TO THE CENTER OF THE CONDUIT FROM THE INSIDE LIP OF THE MOUNTING FLANGE ON THE DOOR SIDE OF THE CABINET. THE CONDUITS SHALL PROJECT 2" TO 3" ABOVE THE CONCRETE. THE CONDUITS SHALL NOT INTERFERE WITH THE CABINET FUNCTIONS (CONTROL EQUIPMENT, SUPPORTING MEMBERS, ETC.). FINAL CONDUIT LOCATIONS, AS DIRECTED BY THE ENGINEER.
4. CONDUITS WITH BOTH ENDS TERMINATING WITHIN THE PAD SHALL BE INSTALLED WITHIN THE CONCRETE PAD.
5. A CONCRETE SIDEWALK SHALL BE ON THE DOOR SIDE OF THE CONTROLLER CABINET, AS DIRECTED BY THE ENGINEER.
6. THE CONCRETE PAD AND THE CONCRETE WALK SHALL BE CONCRETE MIX 3A32 OR EQUAL, AS DIRECTED BY THE ENGINEER.
7. THE CONCRETE PAD ELEVATION SHALL BE ADJUSTED TO MAINTAIN THE 12" CLEARANCE ABOVE THE EXISTING OR PROPOSED GROUND LINE, AS DIRECTED BY THE ENGINEER.
8. THE SERVICE CABINET DOORS SHALL FACE AWAY FROM THE CONTROLLER CABINET TO AVOID CONFLICT WITH THE CONTROLLER CABINET OR THE CONTROLLER CABINET DOOR OPEN AS SHOWN.
9. THREAD AND CAP BOTH ENDS OF ALL RSC STUBS. THE CAPS LOCATED WITHIN THE CONTROLLER CABINET SHALL BE PERMANENTLY MARKED WITH AN ARROW TO INDICATE THE DIRECTION OF THE RSC STUBS. NO RSC STUB SHALL BE TERMINATED UNDER ANY FORM OF PAVEMENT OR HARD SURFACE, AS DIRECTED BY THE ENGINEER.

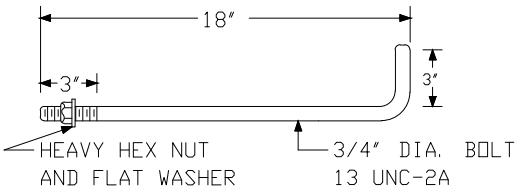
SIDE VIEW



TYPICAL ANCHOR ROD LOCATION
CONTROLLER CABINET
AND
SERVICE CABINET
(NO SCALE)



TYPICAL ANCHOR ROD
CONTROLLER CABINET
AND
SERVICE CABINET
(NO SCALE)



NOTES:

1. MATERIAL STEEL SHALL BE ASTM, A-36. 3/4" DIA. X 21" LONG BEFORE BENDING.
2. HOT DIP GALVANIZE FULL LENGTH. NUTS SHALL RUN FREE AFTER PLATING.
3. RODS TO BE SUPPLIED WITH GALVANIZED HEAVY HEX NUT AND FLAT WASHER, ASTM, A-563 ASSEMBLED AFTER ROD PLATING.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL

AECOM

SRI
Consulting Group, Inc.

METROPOLITAN
COUNCIL

SOUTHWEST
Green Line LRT Extension

CIVIL WEST (BA10)
TRAFFIC SIGNAL-SIGNAL SYSTEM "AF"
17TH AVE S AT K-TEL DR/5TH ST S
CONTROLLER AND SERVICE CABINET DETAIL

DISCIPLINE:
TRAFFIC

SHEET NAME:
W3-TFC-SIG-CCD-LRCI-012

SHEET
26
OF
30

90% SUBMISSION - 01/22/16

Jan, 18 2016 09:58 am v:\3400_ADC\CAD\LRCI\012\PLAN SHEETS\W3-TFC-SIG-LRCI-012.dwg By: bbetts

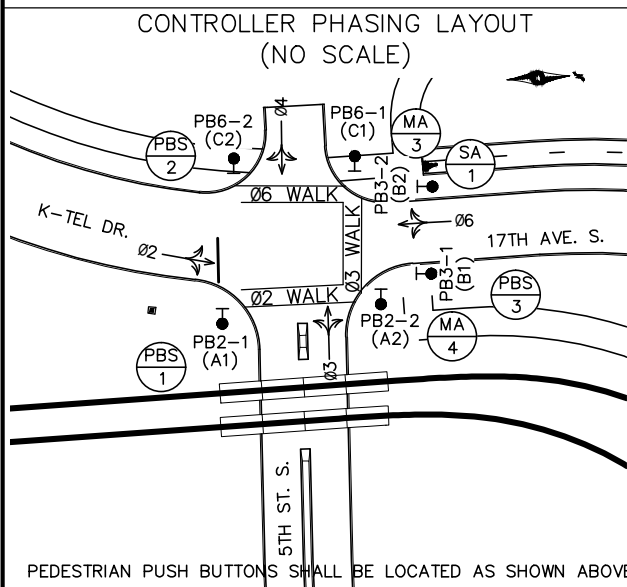
DETECTOR CHART			
DESIGNATION	NO. & SIZE	FUNCTION	LOCATION
D2-1	V-4	(1)	120'
D3-1	V-3	(1)	120' @
D3-2	V-3	(1)	5',20' @
D3-3	V-3	(1)	5',20' @
D4-1	V-1	(1)	5',20'
D6-1	V-2	(1)	120'

-LOCATION: DISTANCE FROM TO CROSSWALK/STOP BAR IN FEET
- @ = DISTANCE FROM STOP BAR
- @ = DISTANCE FROM CROSSWALK

FUNCTION NOTES:

(1) CALL & EXTEND

STRUCTURE		SIGNAL M.A.		LUMINAIRE		SIGNAL HEAD		PED. PUSH	
NO.	TYPE	STD PLATE	FDN TYPE	LENGTH	HEAD LOCATION	HT	M.A. LENGTH	MTD POSITION	H.P.S. WATTS
XXXXXX	XXXX	XXXX	XXXX	-	-	XX'	-	-	-
XXXXXX	XXXX	XXXX	XXXX	-	-	XX'	-	-	-
CAC-1 TO HH-1		CAC-1 TO HH-5		CAC-1 TO SC-1		HH-1 TO HH-5		HH-1 TO HH-5	
2-4" RSC		2-4" RSC		2" RSC		2" RSC		2" RSC	
4-12/C #14		5-12/C #14		3-1/C #6		1-3/C #14 (LUM.)		1-3/C #14 (LUM.)	
2-5/C #14		3-5/C #14							
2-3/C #14		2-3/C #14							
1-2/C #14 (SHLD.)		4-2/C #14 (SHLD.)							
2-3/C #18 (VIDEO)		2-3/C #18 (VIDEO)							
2-3/C #20 (SHLD.)		2-3/C #20 (SHLD.)							
SC-1 TO HH-6		CAC-1 TO SC-1							
HH-6 TO SOP-1		2" RSC							
2" RSC		3-1/C #6							
3-1/C #6									
SC-1 TO HH-1		HH-1 TO HH-5							
2" RSC		2" RSC							
2-3/C #14 (LUM.)		1-3/C #14 (LUM.)							

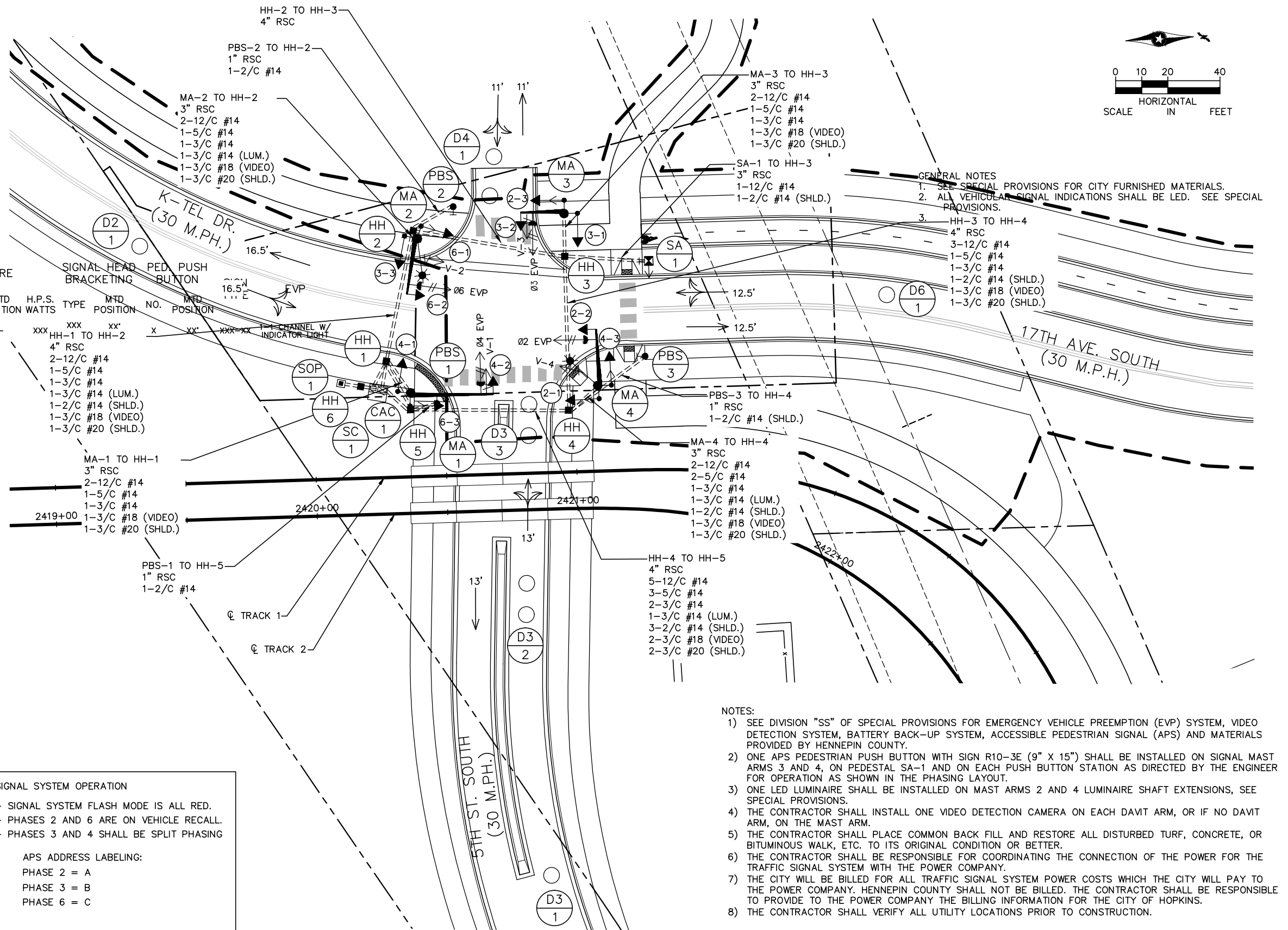


SIGNAL SYSTEM OPERATION

- SIGNAL SYSTEM FLASH MODE IS ALL RED.
- PHASES 2 AND 6 ARE ON VEHICLE RECALL.
- PHASES 3 AND 4 SHALL BE SPLIT PHASING

APS ADDRESS LABELING:

- PHASE 2 = A
- PHASE 3 = B
- PHASE 6 = C

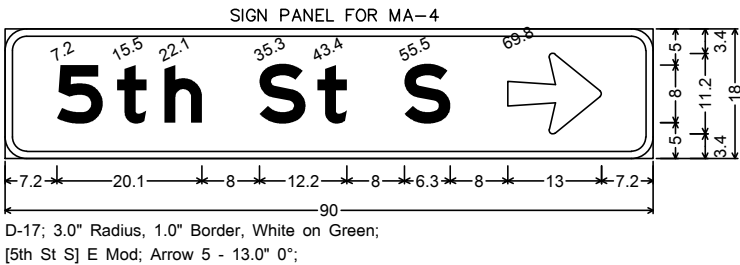
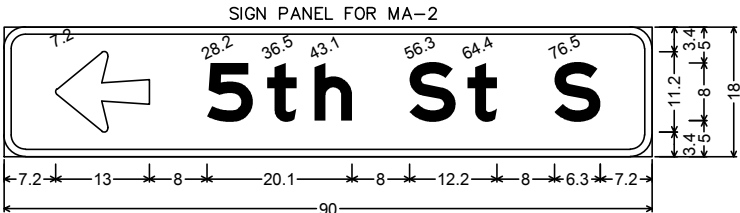
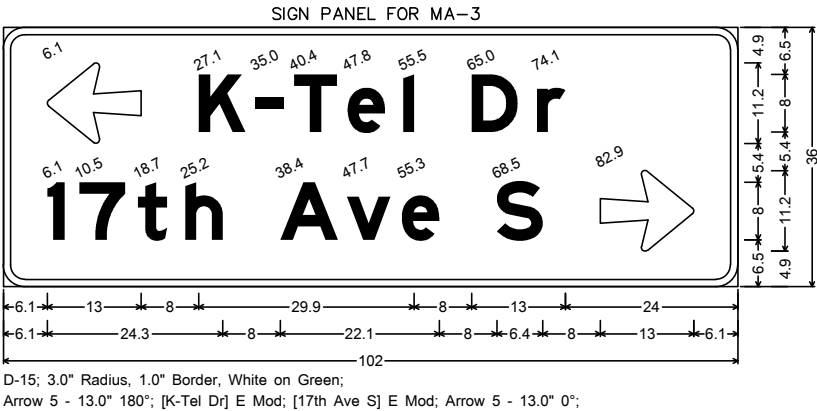
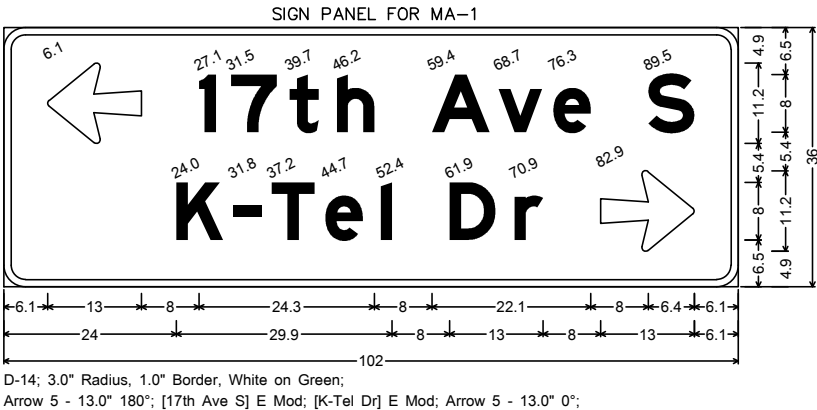


Jan, 18 2016 09:58 am V:\3400_ADC\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-TFC-SIG-LRCI-012.dwg By: bbetts

SIGNAL INDICATIONS AND BRACKETING									
SIG. POLE NO.	FACE NO.	SIGNAL FACE MOUNT	SIG. Ø	LED INDICATIONS					BRACKET MOUNTING ANGLE, TYPE AND STANDARD PLATE NO.
				12" INDICATIONS				PED SYM.	
				RED	YEL	GRN	GTA		
MA-1	4-2	MAST ARM (END)	4	●	●	●	←		**
	4-1	POLE MOUNT	4	●	●	●			180° PLATE 8110E TYPE 10A
	6-3	POLE MOUNT	6	●	●	●			90° PLATE 8110E TYPE 10B
			2					*	
MA-2	6-2	MAST ARM (END)	6	●	●	●			**
	6-1	POLE MOUNT	6	●	●	●		*	180° PLATE 8110E TYPE 10B
	3-3	POLE MOUNT	3	●	←		←		90° PLATE 8110E TYPE 10A
MA-3	3-2	MAST ARM (END)	3	●	●	●	←		**
	3-1	POLE MOUNT	3	●	●	●			180° PLATE 8110E TYPE 10A
	2-3	POLE MOUNT	2	●	●	●			90° PLATE 8110E TYPE 10B
			6					*	
MA-4	2-2	MAST ARM (END)	2	●	●	●			**
	2-1	POLE MOUNT	2	●	●	●		*	180° PLATE 8110E TYPE 10B
	4-3	POLE MOUNT	4	●	←		←		90° PLATE 8110E TYPE 10B
			3					*	
SA-1		PEDESTAL MOUNT	3					*	0° PLATE 8111E TYPE 4A

* PEDESTRIAN INDICATIONS SHALL BE INTERNATIONAL SYMBOLS IN A DUAL FACE SINGLE HOUSING WITH PEDESTRIAN COUNTDOWN TIMER.

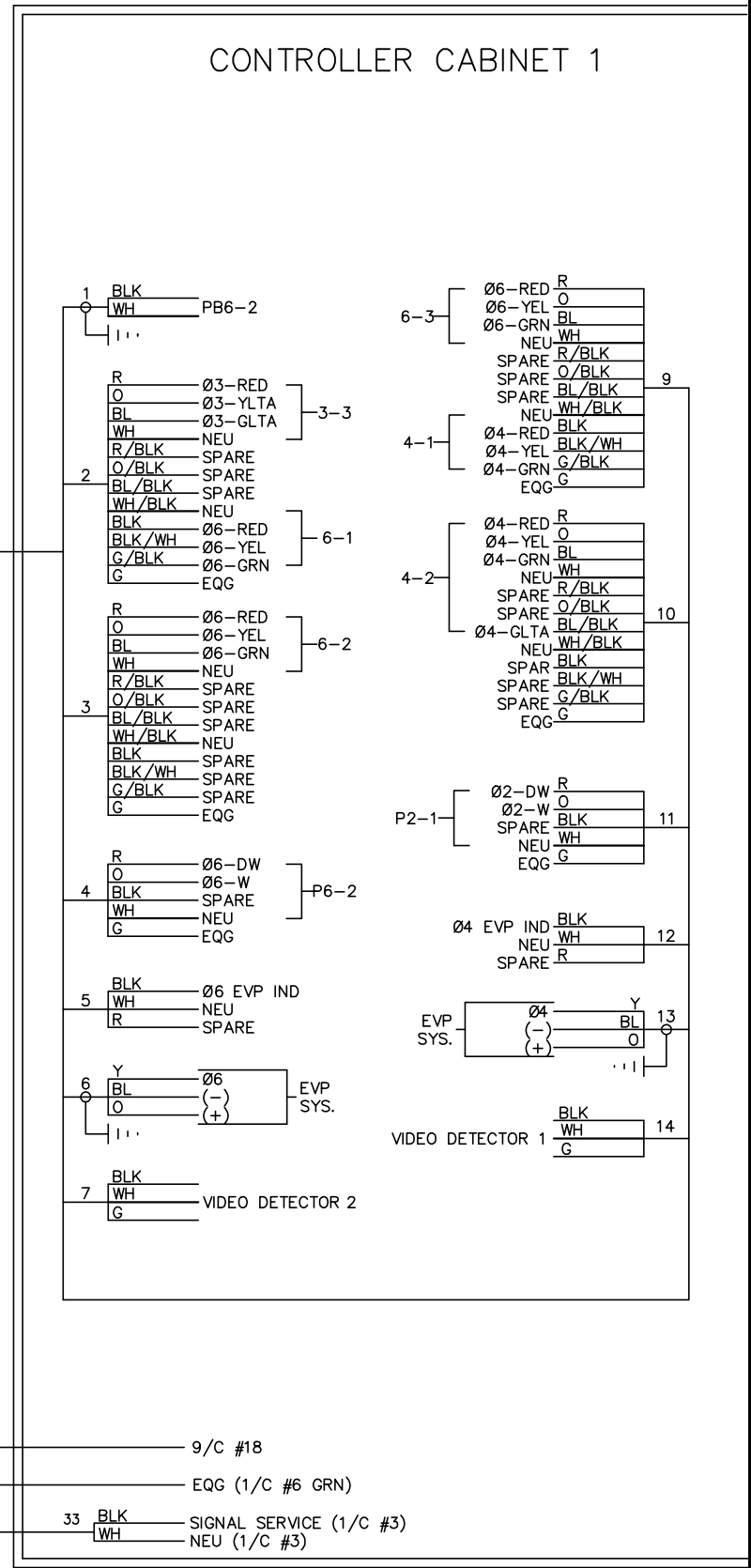
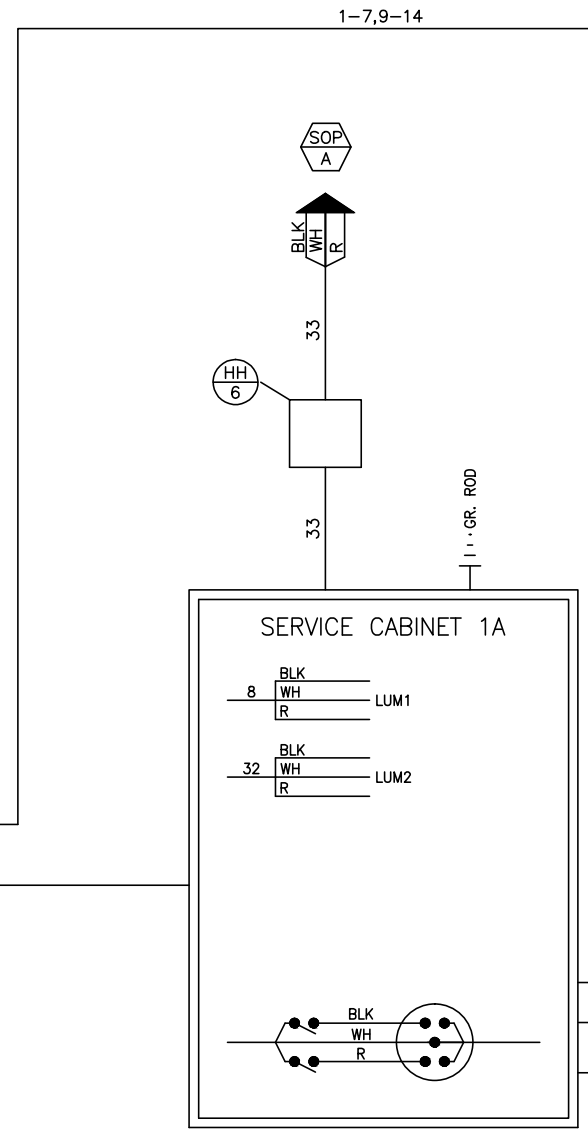
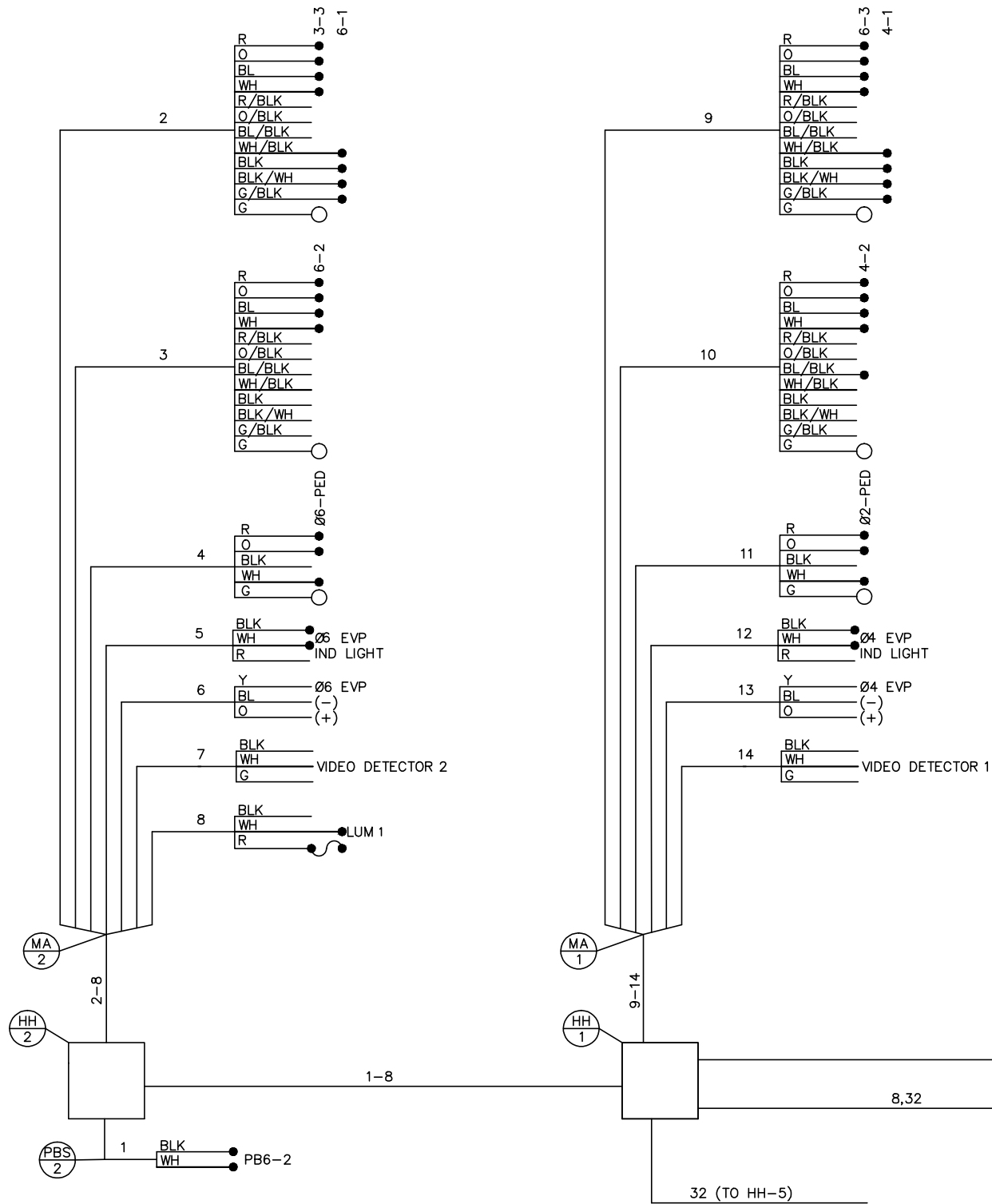
** STRAIGHT MOUNT PLUMBIZER, SEE SPECIAL PROVISIONS.



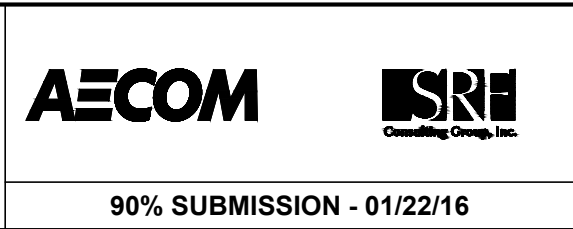
- NOTES:
- SEE SHEET ##### FOR SIGN MOUNTING PLATE LOCATIONS.
 - COLOR — WHITE LEGEND AND BORDER ON GREEN BACKGROUND. ALL SIGNING SHALL USE DG3 SIGN SHEETING.
 - ALL COSTS TO PROVIDE AND INSTALL MAST ARM MOUNTED SIGN PANELS SHALL BE INCIDENTAL.

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL			 		 		CIVIL WEST (BA10) TRAFFIC SIGNAL - SIGNAL SYSTEM "AF" 17TH AVE S AT K-TEL DR/5TH ST S EQUIPMENT SCHEDULE		SHEET
						90% SUBMISSION - 01/22/16				DISCIPLINE: TRAFFIC		SHEET NAME: W3-TFC-SIG-01B-LRCI-012		28
														OF
														30

Jan, 18 2016 09:58 am V:\3400_ADC\CAD\CAD\LRCI\LRCI-012\PLAN SHEETS\W3-TFC-SIG-WD-LRCI-012.dwg By: bbetts



NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL



CIVIL WEST (BA10)		SHEET 29 OF 30
TRAFFIC SIGNAL-SIGNAL SYSTEM "AF"		
17TH AVE S AT K-TEL DR/5TH ST S		
FIELD WIRING DIAGRAM		
DISCIPLINE:	TRAFFIC	
SHEET NAME:	W3-TFC-SIG-01-LRCI-012	

NO.	DATE	BY	CHECK	DESIGN	REVISION / SUBMITTAL	   	CIVIL WEST (BA10) TRAFFIC SIGNAL-SIGNAL SYSTEM "AF" 17TH AVE S AT K-TEL NDR/5TH ST S FIELD WIRING DIAGRAM		SHEET 30 OF 30
							DISCIPLINE:	SHEET NAME:	
							TRAFFIC	W3-TFC-SIG-01B-LRCI-012	