### INDEX OF SHEETS

SHEET NO. DESCRIPTION 1074 1075-1083 TITLE SHEET INDEX OF SHEETS

# CAMINO REAL REGIONAL MOBILITY AUTHORITY PENDUM 2 - JU

( )

		STATE PROJEC	T NO.
1		1111	2015
CONT	SECT	JOB	HIGHWAY
924	06	446	VARIOUS
DIS	т	COUNTY	SHEET NO.
ı P	<b>A</b> S O	FI PAS	1074

## PLANS OF PROPOSED URBAN STREETCAR

PROJECT NO.

CITY OF EL PASO STREETCAR EL PASO COUNTY

**VOLUME 3 OF 4 - SYSTEMS** 

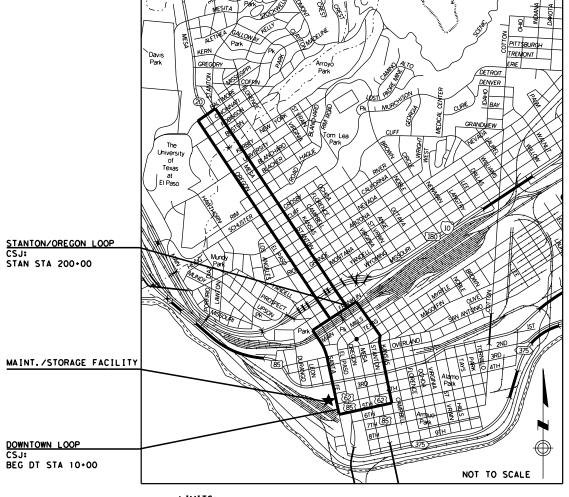
FOR THE CONSTRUCTION OF AN URBAN STREETCAR SYSTEM CONSISTING OF GRADING, STRUCTURES, SURFACE AND SUBSURFACE IMPROVEMENTS, TRACKWORK, AND MAINTENANCE/STORAGE FACILITY

REQUIRED SIGNS SHALL BE IN ACCORDANCE WITH BC (1)- 07 THRU BC (12)- 07 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

**INSPECTION REQUIRED** 

TDLR No.

REGISTERED ACCESSIBILITY SPECIALIST (RAS)



LIMITS:

DOWNTOWN LOOP LIMITS:

FROM INTERSECTION OF FATHER RAHM AVE AND SANTA FE ST, ALONG SANTA FE ST TO FRANKLIN AVE, ALONG FRANKLIN AVE TO KANSAS ST, ALONG KANSAS ST TO FATHER RAHM AVE, ALONG FATHER RAHM AVE TO SANTA FE ST.

STANTON/OREGON LOOP LIMITS:

FROM INTERSECTION OF STANTON ST AND FRANKLIN AVE, ALONG STANTON TO BALTIMORE DR, ALONG BALTIMORE DR TO OREGON ST, ALONG OREGON ST TO FRANKLIN AVE.

### FINAL PLANS

LETTING DATE:	
DATE CONTRACTOR BEGAN WORK:	
DATE WORK WAS COMPLETED & ACCEPTED:	
FINAL CONTRACT COST: \$	
CONTRACTOR .	

2829 Montana Suite 206 El Paso, Texas 79903 (915) 493-6468

TBPE REGISTRATION NO. F-3162





SORWILLED FOR CELLI	NG:	
PROJECT MANAGER	MOBILITY	ALITHORITY

PROJECT	NO.	
I NOULC !	110.	

DECOMMENDED FOR LETTING

DIRECTOR,	BRIDGE	DIVISI

APPROVED FOR LETTING:

APPROVED FOR LETTING:

APPROVED FOR LETTING:

WECOMMENDED FOR ELITING.
DISTRICT DIRECTOR OF TRANSPORTATION
DISTRICT DIRECTOR OF TRANSPORTATION
PLANNING AND DEVELOPMENT
PLANNING AND DEVELOPMENT

RECOMMENDED FOR LETTING:

DISTRICT ENGINEER

DIRECTOR,	TRAFFIC	OPERATIONS	DIVISION

DIRECTOR, DESIGN DIVISION

PROJ. NO

CK: URS	
DW: URS	
CK: URS	
CADDIOUSSISHEE SIIYPICALSIIechnical Sheets JØ90 - Foundation Schedule 1 of 4.dgn Dw: URS   C	
Streetcar	
Paso	
W:\Projects\EI	
- - -	

STATION	510+78	510+87	104+39	9+97		511+57	10+39	10+94	11+08	11+66	11+75	12+54	13+31	500+41	500+66	13+92	14+36	501+68	15+04	501+90	15+97	16+89	17+40	17+45	18+26	18+35	19+24	20+16		11/	201	
POLE TYPE	P3-28	P3-28	P4-28	P4-28-L		P3-28	P3-28	P4-28-L	P2O-28	P2O-28	P4-28	P4-28	P2O-28-L	P3-28	P2O-28	P3-28	P3-28	P3-28	P4-30	P4-28	P20-30	P2O-30	P2O-30	P2O-28	P2O-28	P2O-30	P10-30	P10-30-L	$\cup$ LI	14,	<b>2</b> 0 I	
OFFSET	32.26	30.36	7.07	7.8		64.43	8.25	6.33	21.17	28.01	57.58	17.2	16.93	45.49	40.95	17.59	18.47	42.14	18.28	33.86	17.56	17.68	55.8	28.73	31.91	44.4	17.55	17.87	_	,		
OFFSET DIRECTION FOUNDATION TYPE	A	R	R	R B	-	A	R	R	R	R.	A.	R B	R	L A	L A	R A	R A	Δ	R A	R	R	R	A	R	R	L A	R A	R	-			
FOUNDATION TYPE  FOUNDATION DEPTH (FT)	16	16	20	20		16	16	20	12	12	20	20	12	16	12	16	16	16	20	20	12	12	12	12	12	12	11	11	-			
NORTHING	-	10654103.03		10654165.59			10654207.79				10654320.21			10654471.32	10654504.63		10654595.79				10654753.14			10654899.86		10654974.22			3			
EASTING	384244.44		384324.28			384237.35		384296.79	384308.02	384292.89	384208.56	384264.09	384250.2	384182.47	384175.58	384236.48	384228.41	384152.68		384153.24	384194.59	384175.78	384093.33		384163.02	384086.37	384128.96	384110.27	_			
POLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01		GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01				
REMARKS											,														1 1 1 1 1 1							
OCS WIRING LAYOUT REF.						1	1100										J1	01							J10	02						
STATION	21/11	21+14	21+94A	21+94B	22+78	22+79	23,20	23+31	24+08	25.01	35.06	26+91	27.06	28+53	29+06	29+76	30+56	31+48	32+41	22,25	34+03	34+98	35+67	35+66	35+98							
POLE TYPE	21+11 P2O-28	P20-28	P2O-28	P2O-28	P2O-28	P2O-28	23+29 P3O-28	P2O-28	P4-28	25+01 P3-28	25+96 P3-28	P4-28	27+86 P1O-28	P10-28	P1O-28	P10-28-L	P10-28	P10-28-L	P10-28	33+25 P10-28-T	P10-28-L	P10-28	35+07	P2O-28	P2O-28							
OFFSET	18.29	38.72	38.09	18.44	18.84	38.27	38.34	18.32	7.62	6.33	7.26	11.26	8.01	8.39	6.79	6.25	10.47	7.5	7.5	14.26	7.56	13.51		7.08	14.81							
OFFSET DIRECTION	R	L	L	R	R	L	L	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	- E	R	R							
FOUNDATION TYPE	A	A	A	A	A	A	A	A	Α	В	В	A	A	Α	Α	В	Α	В	A	В	В	A		A	A							
FOUNDATION DEPTH (FT)	12	12	12	12	12	12	16	12	20	16	16	20	11	11	11	11	11	11	11	11	-11	11		12	12							
NORTHING		10655247.22		10655337.59			10655457.99							-	10656026.27						1.000		1	10656578.21	10656602.86							
EASTING	384090.88		384017.88	B.F.141 B1ER	384055.1	383999.22		384043.28	384027.44		383988.31	383972.58	383948.4	383924.39	383896.9	383856.92	383815.36	383761.72	R444 444 11	383671.5	383623.68	383575.59		383534.24	383533.38							
POLE GROUND ASSY. REMARKS	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	NOTE 6	GR-01	GR-01							
OCS WIRING LAYOUT REF.		-	-		J103		1					J104		-			J105	_		-		- 13	106		-							
OCO WINING EXTOOT NET.	-				7103							7,04					7103															
STATION	36+06	36+28	36+35	36+77	36+89	37+37	37+84	38+80	39+55	40+34	41+21	42+01	42+13	358+52	358+34	42+73	358+30	358+91	43+18A	43+18B	43+91	44+64	45+35	46+22	46+82							
POLE TYPE		P2O-28	P3-28	P3-28	P2O-28	P10-28	P10-28	P10-28	P10-28	P10-28-L	P10-28	P10-28	P4-30	P3-28	P3-28	P3-28	P2-28	P3-28	P3-28	P3-28	P20-28	P2O-28	P2O-28-L	P2O-28	P2O-28							
OFFSET		23.14 R	28.02	35.74	21.76 R	12.03	8.41 R	9.12 R	10.34 R	10.19 R	9.96 R	10.44 R	27.78 R	27.65	24.8	26.44 R	27.89	31.26	36.8	16 R	16.04 R	15.91 R	15.72 R	11.42 R	11.08 R							
OFFSET DIRECTION FOUNDATION TYPE	L	A	A	L A	A	B	A	A	A	B	B	A	A	A	A	A A	A	A	L A	A	A	A	R B	A	A							
FOUNDATION DEPTH (FT)		12	16	16	12	11	11	11	11	11	11	11	20	16	16	16	12	16	16	16	12	12	12	12	12							
NORTHING	_		40050055 00											10656989.58	10657014.53					400550000.00		10657074.15	10657113.65		10657197.67							
		10656617.6	10656652.86	10656691.4	10656642.54	10656659.56	5   10656697.34	10656748.93	10656790.71	10656834.4	10656883.03	10656927.9	10656922.55	10030303.30	1003/014.33	10656959.31	10657043.9	1065/023.49	10657036.84	10656992.96	10657034.61		10037113.03	1065/164.4/	1003/197.07							
EASTING		10656617.6 383544.1	383505.72		10656642.54 383580.26	10656659.56 383621.05		383740.6	10656790.71 383802.9	10656834.4 383868.36	10656883.03 383941.1	384008.51	384029.4		383970.2	384072.31	384013.95	384045.37	384074.37	384103.75	384166.05	384224.91	384283.8	384354.55	384404.44							
EASTING POLE GROUND ASSY.												71 731 47 34 4										11111111111111										
EASTING POLE GROUND ASSY. REMARKS	NOTE 6	383544.1	383505.72 GR-01	383547.62	383580.26	383621.05	383662.12 GR-01	383740.6 GR-01	383802.9	383868.36	383941.1	384008.51	384029.4	383986.55	383970.2 GR-01	384072.31 GR-01	384013.95	384045.37	384074.37	384103.75	384166.05	384224.91	384283.8 GR-01	384354.55 GR-01	384404.44							
EASTING POLE GROUND ASSY.		383544.1	383505.72	383547.62	383580.26	383621.05	383662.12 GR-01	383740.6	383802.9	383868.36	383941.1	384008.51	384029.4	383986.55	383970.2	384072.31 GR-01	384013.95	384045.37	384074.37	384103.75	384166.05	384224.91	384283.8 GR-01	384354.55	384404.44							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.		383544.1 GR-01	383505.72 GR-01 J106	383547.62 GR-01	383580.26 GR-01	383621.05 GR-02	383662.12 GR-01	383740.6 GR-01	383802.9 GR-01	383868.36 GR-01	383941.1 GR-02	384008.51 GR-01	384029.4 GR-01	383986.55	383970.2 GR-01 J10	384072.31 GR-01	384013.95 GR-01	384045.37 GR-01	384074.37 GR-01	384103.75 GR-01	384166.05 GR-01	384224.91 GR-01	384283.8 GR-01	384354.55 GR-01	384404.44							
EASTING POLE GROUND ASSY. REMARKS		383544.1	383505.72 GR-01	383547.62	383580.26	383621.05	383662.12 GR-01	383740.6 GR-01	383802.9	383868.36	383941.1	384008.51	384029.4	383986.55 GR-01	383970.2 GR-01	384072.31 GR-01	384013.95	384045.37	384074.37	384103.75	384166.05	384224.91	384283.8 GR-01	384354.55 GR-01	384404.44 GR-01							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF. STATION	47+36	383544.1 GR-01	383505.72 GR-01 J106 51+13	383547.62 GR-01	383580.26 GR-01	383621.05 GR-02 51+85	383662.12 GR-01 J:	383740.6 GR-01 107	383802.9 GR-01	383868.36 GR-01	383941.1 GR-02	384008.51 GR-01	384029.4 GR-01	383986.55 GR-01	383970.2 GR-01 J10 54+72	384072.31 GR-01 88	384013.95 GR-01 55+73B	384045.37 GR-01 56+61A	384074.37 GR-01 56+61B	384103.75 GR-01	384166.05 GR-01	384224.91 GR-01	384283.8 GR-01 J1 58+23	384354.55 GR-01 109 58+97	384404.44 GR-01							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF. STATION POLE TYPE OFFSET OFFSET	47+36 P2O-28-L 6.5 R	383544.1 GR-01 50+30 P2O-28-L 15.73 R	383505.72 GR-01 J106 51+13 P3-28 36.29	383547.62 GR-01 51+14 P2O-28 16.6 R	383580.26 GR-01 51+80 P3-28 33.62 L	383621.05 GR-02 51+85 P2O-28-L 20.75	383662.12 GR-01 J: 52+24 P4-28 89.35 L	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R	383802.9 GR-01 52+47 P3-28 37.42 L	383868.36 GR-01 52+98 P3-28 35.08 L	383941.1 GR-02 53+05 P2-28 18.54 R	384008.51 GR-01 53+78 P2-28 14.14 R	384029.4 GR-01 53+79 P2-28 39.73	383986.55 GR-01 54+71 P2O-28-L 37.53 L	383970.2 GR-01 J10 54+72 P2-28 15.92 R	384072.31 GR-01 88 55+73A P2-28 37.71 L	384013.95 GR-01 55+73B P2-28 16.07 R	384045.37 GR-01 56+61A P2-28 37.91 L	384074.37 GR-01 56+61B P2-28 15.73 R	384103.75 GR-01 57+40 P2-28 38.11 L	384166.05 GR-01 57+42 P2-28 15.79 R	384224.91 GR-01 58+19 P2-28 45.04	384283.8 GR-01 J1 58+23 P2-28 15.7 R	384354.55 GR-01 109 58+97 P1-28-T 8.16 R	384404.44 GR-01 59+88 P1-28 14.33 R							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF. STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE	47+36 P2O-28-L 6.5 R B	383544.1 GR-01 50+30 P2O-28-L 15,73 R	383505.72 GR-01 J106 51+13 P3-28 36.29 L	383547.62 GR-01 51+14 P2O-28 16.6 R	383580.26 GR-01 51+80 P3-28 33.62 L	383621.05 GR-02 51+85 P2O-28-L 20.75 R	383662.12 GR-01 52+24 P4-28 89.35 L	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B	383802.9 GR-01 52+47 P3-28 37.42 L	383868.36 GR-01 52+98 P3-28 35.08 L	383941.1 GR-02 53+05 P2-28 18.54 R	53+78 P2-28 14.14 R	384029.4 GR-01 53+79 P2-28 39.73 L	383986.55 GR-01 54+71 P2O-28-L 37.53 L B	383970.2 GR-01 J10 54+72 P2-28 15.92 R A	384072.31 GR-01 88 55+73A P2-28 37.71 L	384013.95 GR-01 55+73B P2-28 16.07 R	384045.37 GR-01 56+61A P2-28 37.91 L	384074.37 GR-01 56+61B P2-28 15.73 R	384103.75 GR-01 57+40 P2-28 38.11 L	384166.05 GR-01 57+42 P2-28 15.79 R	384224.91 GR-01 58+19 P2-28 45.04 L	384283.8 GR-01 J1 58+23 P2-28 15.7 R	384354.55 GR-01 109 58+97 P1-28-T 8.16 R B	384404.44 GR-01 59+88 P1-28 14.33 R							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF. STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT)	47+36 P2O-28-L 6.5 R B	383544.1 GR-01 50+30 P20-28-L 15.73 R B	383505.72 GR-01 J106 51+13 P3-28 36.29 L A	383547.62 GR-01 51+14 P2O-28 16.6 R A	383580.26 GR-01 51+80 P3-28 33.62 L A	383621.05 GR-02 51+85 P2O-28-L 20.75 R B	383662.12 GR-01 52+24 P4-28 89.35 L A	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B	383802.9 GR-01 52+47 P3-28 37.42 L A	383868.36 GR-01 52+98 P3-28 35.08 L A	53+05 P2-28 R A	384008.51 GR-01 53+78 P2-28 14.14 R A	384029.4 GR-01 53+79 P2-28 39.73 L A	383986.55 GR-01 54+71 P2O-28-L 37.53 L B	383970.2 GR-01 J10 54+72 P2-28 15.92 R A	384072.31 GR-01 8 55+73A P2-28 37.71 L A	384013.95 GR-01 55+73B P2-28 16.07 R A	384045.37 GR-01 56+61A P2-28 37.91 L A	384074.37 GR-01 56+61B P2-28 15.73 R A	384103.75 GR-01 57+40 P2-28 38.11 L A	384166.05 GR-01 57+42 P2-28 15.79 R A	384224.91 GR-01 58+19 P2-28 45.04 L A	384283.8 GR-01 J1 58+23 P2-28 P5-7 R A	384354.55 GR-01 109 58+97 P1-28-T R B B	384404.44 GR-01 59+88 P1-28 14.33 R A							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF. STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION TYPE FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING	47+36 P2O-28-L 6.5 R B 12 10657231.11	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53	383547.62 GR-01 51+14 P2O-28 16.6 R A 12	383580.26 GR-01 51+80 P3-28 33.62 L A 16	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12	383662.12 GR-01 J: 52+24 P4-28 89.35 L A 20 8 10657576.04	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46	383802.9 GR-01 52+47 P3-28 37.42 L A 16	383868.36 GR-01 52+98 P3-28 35.08 L A 16	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33	53+78 P2-28 14.14 R A 12 10657361.24	384029.4 GR-01 53+79 P2-28 39.73 L A 12 10657391.43	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08	384072.31 GR-01 8 555+73A P2-28 37.71 L A 12	384013.95 GR-01 55+73B P2-28 16.07 R A 12	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25	384166.05 GR-01 57+42 P2-28 15.79 R A 12	384224.91 GR-01 58+19 P2-28 45.04 L A 12	384283.8 GR-01 J1 58+23 P2-28 15.7 R A 12 10656991.84	384354.55 GR-01 109 58+97 P1-28-T 8.16 R B 11 10656937.09	384404.44 GR-01 59+88 P1-28 14.33 R A 11							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF. STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT)	47+36 P2O-28-L 6.5 R B	383544.1 GR-01 50+30 P20-28-L 15.73 R B	383505.72 GR-01 J106 51+13 P3-28 36.29 L A	383547.62 GR-01 51+14 P2O-28 16.6 R A	383580.26 GR-01 51+80 P3-28 33.62 L A	383621.05 GR-02 51+85 P2O-28-L 20.75 R B	383662.12 GR-01 52+24 P4-28 89.35 L A	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B	383802.9 GR-01 52+47 P3-28 37.42 L A	383868.36 GR-01 52+98 P3-28 35.08 L A	53+05 P2-28 R A	384008.51 GR-01 53+78 P2-28 14.14 R A	384029.4 GR-01 53+79 P2-28 39.73 L A	383986.55 GR-01 54+71 P2O-28-L 37.53 L B	383970.2 GR-01 J10 54+72 P2-28 15.92 R A	384072.31 GR-01 8 55+73A P2-28 37.71 L A	384013.95 GR-01 55+73B P2-28 16.07 R A	384045.37 GR-01 56+61A P2-28 37.91 L A	384074.37 GR-01 56+61B P2-28 15.73 R A	384103.75 GR-01 57+40 P2-28 38.11 L A	384166.05 GR-01 57+42 P2-28 15.79 R A	384224.91 GR-01 58+19 P2-28 45.04 L A 12	384283.8 GR-01 J1 58+23 P2-28 P5-7 R A	384354.55 GR-01 109 58+97 P1-28-T R B B	384404.44 GR-01 59+88 P1-28 14.33 R A							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFF	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96	383544.1 GR-01 50+30 P2O-28-L 15.73 R B 12 1 10657389.24 384695.25	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68	383547.62 GR-01 51+14 P2O-28 16.6 R A 12 10657436.85 384766.48	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12 10657471.13 384818.53	383662.12 GR-01 52+24 P4-28 89.35 L A 20 3 10657576.04 384878.51	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13	383868.36 GR-01 52+98 P3-28 35.08 L A 16 10657454.43 384931.62	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64	384029.4 GR-01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98	384283.8 GR-01 J1 58+23 P2-28 15.7 R A 12 10656991.84 385175.99	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING PALE GROUND ASSY.	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01	383544.1 GR-01 50+30 P20-28-L 15.73 R B 1 10657389.24 384695.25 GR-03 (2)	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68	383547.62 GR-01 51+14 P2O-28 16.6 R A 12 10657436.85 384766.48	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12 10657471.13 384818.53	383662.12 GR-01 52+24 P4-28 89.35 L A 20 3 10657576.04 384878.51	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13	383868.36 GR-01 52+98 P3-28 35.08 L A 16 10657454.43 384931.62	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64	384029.4 GR-01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26 GR-01	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GF-01	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98	384283.8 GR-01 J1 58+23 P2-28 15.7 R A 12 10656991.84 385175.99	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12 10657389.24 384695.25 GR-03 (2) NOTE 1&4	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01	383547.62 GR-01 51+14 P2O-28 16.6 R A 12 1065736.85 384766.48 GR-01	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12 10657471.13 384813.53 GR-01	383662.12 GR-01 J: 52+24 P4-28 89.35 L A 20 8 10657576.04 384878.51 GR-01	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61 GR-01	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01	383868.36 GR-01 52+98 P3-28 35.08 L A 16 10657454.43 384931.62 GR-01	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64 GR-01	384029.4 GR-01 53+79 P2-28 39-73 L A 12 10657391.43 384973.26 GR-01	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54 GR-01	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46 GR-01	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03 NOTE 1&4	384166.05 GR-01 57+42 P2-28 15.79 R A 12 1066991.84 385175.99 GR-01	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01	384283.8 GR-01 J1 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2 GR-01	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12 10657389.24 384695.25 GR-03 (2) NOTE 1&4	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01	383547.62 GR-01 51+14 P20-28 16.6 R A 12 10657436.85 384766.48 GR-01	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12 10657471.13 384813.53 GR-01	383662.12 GR-01 52+24 P4-28 89.35 L A 20 3 10657576.04 384878.51 GR-01	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61 GR-01	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01	383868.36 GR-01 52+98 P3-28 35.08 L A 16 10657454.43 384931.62 GR-01	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64 GR-01	384029.4 GR 01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26 GR 01	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54 GR-01	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46 GR-01	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.95 GR-03 NOTE 1&4	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01	384283.8 GR-01 J11 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2 GR-01	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109 60+28 P1-28	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12 I 10657389.24 384695.25 GR-03 (2) NOTE 1&4	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01 61+50 P2-28	383547.62 GR-01 51+14 P2O-28 16.6 R A 12 10657436.85 384766.48 GR-01 62+41 P1-28	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07 P1-28	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12 10657471.13 384813.53 GR-01 10 64+02 P1-28	383662.12 GR-01 52+24 P4-28 89.35 L A 20 8 10657576.04 384878.51 GR-01 64+86A P3-28	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61 GR-01	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01 65+29 P3-28	383868.36 GR-01 52+98 P3-28 35.08 L A 16 10657454.43 384931.62 GR-01	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64 GR-01	384029.4 GR 01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26 GR-01 J	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01 111	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54 GR-01 68+25 P1-28	384072.31 GR-01 8 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01 69+23 P1-28	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01 69+99A P2-28	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46 GR-01	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03 NOTE 1&4	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01 J1 72+41 P3-28-F	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01 12	384283.8 GR-01 J11 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01 74+02 P1-28	384354.55 GR-01 109 58+97 P1-28-T 8.16 R B 11 10656937.09 385230.2 GR-01 74+96 P1-30	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING PALE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12 10657389.24 384695.25 GR-03 (2) NOTE 1&4	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01	383547.62 GR-01 51+14 P20-28 16.6 R A 12 10657436.85 384766.48 GR-01	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12 10657471.13 384813.53 GR-01	383662.12 GR-01 52+24 P4-28 89.35 L A 20 3 10657576.04 384878.51 GR-01	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61 GR-01	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01	383868.36 GR-01 52+98 P3-28 35.08 L A 16 10657454.43 384931.62 GR-01	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64 GR-01	384029.4 GR 01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26 GR 01	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54 GR-01	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46 GR-01	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.95 GR-03 NOTE 1&4	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01	384283.8 GR-01 J11 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2 GR-01	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
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EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFFSET	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109 60+28 P1-28 16.21 R	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12 1 10657389.24 384695.25 GR-03 (2) NOTE 1&4 60+81 P1-28 R	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01 61+50 P2-28 8.75 R	383547.62 GR-01 51+14 P20-28 16.6 R A 12 10657436.85 384766.48 GR-01 62+41 P1-28 7.26 R	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07 P1-28 P1-28 R	383621.05 GR-02 51+85 P2O-28-L 20.75 R B 12 10657471.13 GR-01 10 64+02 P1-28 7.84 R	383662.12 GR-01 J: 52+24 P4-28 89.35 L A 20 3 10657576.04 384878.51 GR-01 64+86A P3-28 49.27 L	383740.6 GR-01 107 52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61 GR-01 64486B P2-28 7.62 R	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01 65+29 P3-28 42.42 L	383868.36 GR-01 52+98 P3-28 35.08 L A 16 1065745.4.43 384931.62 GR-01 65+78 P2-28 7.73 R	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01 65+80 P3-28 35.1 L	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64 GR-01 66+63 P3-28 8.4 R	384029.4 GR 01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26 GR-01 J 66+84 P3-28 24.68 R	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01 111 67+48 P3-28 13.62 R	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54 GR-01 68+25 P1-28 6.54 R	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01 69+23 P1-28 14.17 R	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01 69+99A P2-28 42.19 L	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46 GR-01 69+99B P2-28 28.3 R	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01 70+82 P4-28 15.62 R	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03 NOTE 1&4 71+70 P3-28-F 15-49 R	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01 J1 72+41 P3-28-F 15.92 R	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01 12 73+24 P4-28 15.54 R	384283.8 GR-01 J1 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01 74+02 P1-28 7.26 R	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2 GR-01 74+96 P1-30 14.41 R	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION DEPTH (FT) NORTHING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET NORTHING	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109 60+28 P1-28 16.21 R A 11 10656833.83	383544.1 GR-01 50+30 P20-28-L 15.73 R 8 12 1 10657389.24 384695.25 GR-03 (2) NOTE 1&4 60+81 P1-28 15.35 R 8 11 11 3 10656789.71	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01 61+50 P2-28 8.75 R A 12 10656735.1	383547.62 GR-01 51+14 P20-28 16.6 R A 12 10657436.85 384766.48 GR-01 62+41 P1-28 7.26 R A 11 10656661.15	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07 P1-28 7.97 R A 11 10656606.07	383621.05 GR-02 51+85 P2O-28-L 20.75 R 8 12 10657471.13 GR-01 10 64+02 P1-28 R A 11 10656527.12	383662.12 GR-01 J: 52+24 P4-28 89.35 L A 20 310657576.04 384878.51 GR-01 64+86A P3-28 49.27 L A 16	383740.6 GR-01  107  52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61  64486B P2-28 7.62 R A 12 10656458.03	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01 65+29 P3-28 42.42 L A 16 10656430.7	52+98 P3-28 35.08 L A 16 1065745.4.43 384931.62 GR-01  65+78 P2-28 7.73 R A 12 10656374.46	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01 65+80 P3-28 35.1 L A 16 10656364.18	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 GR-01 66+63 P3-28 8.4 R A 16 10656294.73	384029.4 GR-01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26 GR-01 J 66+84 P3-28 24.68 R A 16 10656273.89	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01 111 67+48 P3-28 13.62 R A 16 10656205.8	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54 GR-01 68+25 P1-28 6.54 R A 11 10656131.2	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01 69+23 P1-28 14.17 R A 11 10656033.8	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01 69+99A P2-28 42.19 L A 12 10655971.7	384045.37 GR-01 56+61A P2-28 37.91 L A 12 1065790.95 385174.46 GR-01 69+99B P2-28 28.3 R A 12	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01 70+82 P4-28 15.62 R A	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03 NOTE 1&4 71+70 P3-28-F 15.49 R C 16 10655791.84	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01 J1 72+41 P3-28-F 15.92 R C 166 10655722.85	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01 12 73+24 P4-28 15.54 R A 20 10655641.14	384283.8 GR-01 J1 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01 74+02 P1-28 7,26 R A 11 10655567.06	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2 GR-01 74+96 P1-30 14.41 R A 11 10655472.6	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41							
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE FOUNDATION TYPE FOUNDATION TYPE FOUNDATION TYPE FOUNDATION TYPE FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109 60+28 P1-28 P1-28 A A 11 10656833.83 385305.42	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12 10657389.24 384695.25 GR-03 (2) NOTE 1&4 60+81 P1-28 15.35 R B 11 3 10656789.71 3 85334.86	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01 61+50 P2-28 8.75 R A 12 10656735.1 385377.83	383547.62 GR-01 51+14 P20-28 16.6 R A 12 10657436.85 384766.48 GR-01 62+41 P1-28 R A 11 10656661.15 385430.58	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07 P1-28 7.97 R A 11 1065666.07 385467.11	383621.05 GR-02 51+85 P2O-28-L 20.75 R 8 12 10657471.13 384815.53 GR-01 10 64+02 P1-28 R R A 11 10656527.12 385520.36	383662.12 GR-01 52+24 P4-28 89.35 L A 20 3 10657576.04 384878.51 GR-01 64+86A P3-28 49.27 L A 16 2 10656487.57 385615.53	383740.6 GR-01 107  52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61 GR-01  64+86B P2-28 7.62 R A 12 10656458.03 385566.91	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01 65+29 P3-28 42.42 L A 16 10656430.7 385630.96	383868.36 GR-01 52+98 P3-28 35.08 L A 16 1065745.4.3 384931.62 GR-01 65+78 P2-28 7.73 R A 12 10656374.46 385582.39	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01 65+80 P3-28 35.1 L A A 1056364.18	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64 GR-01 66+63 P3-28 8.4 R A 10656294.73 385556	384029.4 GR 01 53+79 P2-28 39.73 L A 12 10657391.43 38497.26 GR 01 J 66+84 P3-28 24.68 R A 16 10656273.89 385536.26	383986.55 GR-01  54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01  111  67+48 P3-28 13.62 R A 16 10656205.8 385553.79	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 106557282.08 384981.54 GR-01 68+25 P1-28 6.54 R A 1 10656131.2 385576.46	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01 69+23 P1-28 14.17 R A 11 10656033.8 385588.99	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01 69+99A P2-28 42.19 L A 12 10655971.7 385660.9	384045.37 GR-01 56+61A P2-28 37.91 L A 12 10657090.95 385174.46 GR-01 69+99B P2-28 28.3 R A 12 10655957.17 385591.93	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01 70+82 P4-28 15.62 R A A 2 1065588.99 385621.09	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03 NOTE 184 71+70 P3-28-F 15.49 R C C 16 1655791.84 385638.12	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01 72+41 P3-28-F 15.92 R C C 1655722.85 385653.16	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01 12 73+24 P4-28 15.54 R A 20 10655641.14 385670.48	384283.8 GR-01 J11 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01 74+02 P1-28 7.26 R A 11 10655567.06 385693.23	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10655937.09 385230.2 GR-01 74+96 P1-30 14.41 R A 11 10655472.6 385705.62	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41				NO DAT		VISION	ΑΡΡΆΟΥΕΟ
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING POLE TYPE OFFSET FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY.	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109 60+28 P1-28 16.21 R A 11 10656833.83	383544.1 GR-01 50+30 P20-28-L 15.73 R 8 12 1 10657389.24 384695.25 GR-03 (2) NOTE 1&4 60+81 P1-28 15.35 R 8 11 11 3 10656789.71	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01 61+50 P2-28 8.75 R A 12 10656735.1	383547.62 GR-01 51+14 P20-28 16.6 R A 12 10657436.85 384766.48 GR-01 62+41 P1-28 7.26 R A 11 10656661.15	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07 P1-28 7.97 R A 11 10656606.07	383621.05 GR-02 51+85 P2O-28-L 20.75 R 8 12 10657471.13 GR-01 10 64+02 P1-28 R A 11 10656527.12	383662.12 GR-01 J: 52+24 P4-28 89.35 L A 20 310657576.04 384878.51 GR-01 64+86A P3-28 49.27 L A 16	383740.6 GR-01  107  52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61  64486B P2-28 7.62 R A 12 10656458.03	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01 65+29 P3-28 42.42 L A 16 10656430.7	52+98 P3-28 35.08 L A 16 1065745.4.43 384931.62 GR-01  65+78 P2-28 7.73 R A 12 10656374.46	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01 65+80 P3-28 35.1 L A 16 10656364.18	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 GR-01 66+63 P3-28 8.4 R A 16 10656294.73	384029.4 GR-01 53+79 P2-28 39.73 L A 12 10657391.43 384973.26 GR-01 J 66+84 P3-28 24.68 R A 16 10656273.89	383986.55 GR-01 54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01 111 67+48 P3-28 13.62 R A 16 10656205.8	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 10657282.08 384981.54 GR-01 68+25 P1-28 6.54 R A 11 10656131.2	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01 69+23 P1-28 14.17 R A 11 10656033.8	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01 69+99A P2-28 42.19 L A 12 10655971.7	384045.37 GR-01 56+61A P2-28 37.91 L A 12 1065790.95 385174.46 GR-01 69+99B P2-28 28.3 R A 12	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01 70+82 P4-28 15.62 R A	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03 NOTE 1&4 71+70 P3-28-F 15.49 R C 16 10655791.84	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01 J1 72+41 P3-28-F 15.92 R C 166 10655722.85	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01 12 73+24 P4-28 15.54 R A 20 10655641.14	384283.8 GR-01 J1 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01 74+02 P1-28 7,26 R A 11 10655567.06	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10656937.09 385230.2 GR-01 74+96 P1-30 14.41 R A 11 10655472.6	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41				NO DAT		:VISION	APPROVEO
EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET DEFECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING POLE GROUND ASSY. REMARKS OCS WIRING LAYOUT REF.  STATION POLE TYPE OFFSET DIRECTION FOUNDATION TYPE FOUNDATION TYPE FOUNDATION TYPE FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING EASTING	47+36 P2O-28-L 6.5 R B 12 10657231.11 384446.96 GR-01 J109 60+28 P1-28 P1-28 A A 11 10656833.83 385305.42	383544.1 GR-01 50+30 P20-28-L 15.73 R B 12 10657389.24 384695.25 GR-03 (2) NOTE 1&4 60+81 P1-28 15.35 R B 11 3 10656789.71 3 85334.86	383505.72 GR-01 J106 51+13 P3-28 36.29 L A 16 10657477.53 384732.68 GR-01 61+50 P2-28 8.75 R A 12 10656735.1 385377.83	383547.62 GR-01 51+14 P20-28 16.6 R A 12 10657436.85 384766.48 GR-01 62+41 P1-28 R A 11 10656661.15 385430.58	383580.26 GR-01 51+80 P3-28 33.62 L A 16 10657520.96 384796.32 GR-01 J1 63+07 P1-28 7.97 R A 11 1065666.07 385467.11	383621.05 GR-02 51+85 P2O-28-L 20.75 R 8 12 10657471.13 384815.53 GR-01 10 64+02 P1-28 R R A 11 10656527.12 385520.36	383662.12 GR-01 52+24 P4-28 89.35 L A 20 3 10657576.04 384878.51 GR-01 64+86A P3-28 49.27 L A 16 2 10656487.57 385615.53	383740.6 GR-01 107  52+27 P2O-28-T 14.25 R B 12 10657476.46 384849.61 GR-01  64+86B P2-28 7.62 R A 12 10656458.03 385566.91	383802.9 GR-01 52+47 P3-28 37.42 L A 16 10657510.41 384894.13 GR-01 65+29 P3-28 42.42 L A 16 10656430.7 385630.96	383868.36 GR-01 52+98 P3-28 35.08 L A 16 1065745.4.3 384931.62 GR-01 65+78 P2-28 7.73 R A 12 10656374.46 385582.39	383941.1 GR-02 53+05 P2-28 18.54 R A 12 10657424.33 384886.69 GR-01 65+80 P3-28 35.1 L A A 1056364.18	384008.51 GR-01 53+78 P2-28 14.14 R A 12 10657361.24 384928.64 GR-01 66+63 P3-28 8.4 R A 10656294.73 385556	384029.4 GR 01 53+79 P2-28 39.73 L A 12 10657391.43 38497.26 GR 01 J 66+84 P3-28 24.68 R A 16 10656273.89 385536.26	383986.55 GR-01  54+71 P2O-28-L 37.53 L B 12 10657314.58 385024.04 GR-01  111  67+48 P3-28 13.62 R A 16 10656205.8 385553.79	383970.2 GR-01 J10 54+72 P2-28 15.92 R A 12 106557282.08 384981.54 GR-01 68+25 P1-28 6.54 R A 1 10656131.2 385576.46	384072.31 GR-01 88 55+73A P2-28 37.71 L A 12 10657229.88 385081.31 GR-01 69+23 P1-28 14.17 R A 11 10656033.8 385588.99	384013.95 GR-01 55+73B P2-28 16.07 R A 12 10657199.87 385036.68 GR-01 69+99A P2-28 42.19 L A 12 10655971.7 385660.9	384045.37 GR-01 56+61A P2-28 37.91 L A 12 1065790.95 385174.46 GR-01 69+99B P2-28 28.3 R A 12 10655957.17 385591.93 GR-01	384074.37 GR-01 56+61B P2-28 15.73 R A 12 10657059.53 385130.63 GR-01 70+82 P4-28 15.62 R A A 2 1065588.99 385621.09	384103.75 GR-01 57+40 P2-28 38.11 L A 12 10657029.25 385223.98 GR-03 NOTE 184 71+70 P3-28-F 15.49 R C C 16 1655791.84 385638.12	384166.05 GR-01 57+42 P2-28 15.79 R A 12 10656991.84 385175.99 GR-01 72+41 P3-28-F 15.92 R C C 1655722.85 385653.16	384224.91 GR-01 58+19 P2-28 45.04 L A 12 10657029.25 385223.98 GR-01 12 73+24 P4-28 15.54 R A 20 10655641.14 385670.48 GR-01	384283.8 GR-01 J11 58+23 P2-28 15.7 R A 12 10656991.84 385175.99 GR-01 74+02 P1-28 7.26 R A 11 10655567.06 385693.23	384354.55 GR-01 109 58+97 P1-28-T 8.16 R 8 11 10655937.09 385230.2 GR-01 74+96 P1-30 14.41 R A 11 10655472.6 385705.62	384404.44 GR-01 59+88 P1-28 14.33 R A 11 10656865.72 385284.41						VISION	APPROVEO.

- 1. POLE LOCATED OVER BASEMENT, REFER TO SHEET J701.
- 2. OFFSET DIRECTION IS ORIENTED LOOKING IN INCREASING STATION ON THE MAINLINE TRACK WITH THE APPROPRIATE STATIONING.
- POLE OFFSET IS FROM CENTERLINE OF TRACK TO CENTERLINE OF FOUNDATION, AT THE CORRESPONDING STATIONING.
- FOUNDATIONS THAT ARE INSTALLED IN BASEMENTS
  REQUIRE GR-03 TYPE GROUND ROD ASSEMBLIES. GR-03
  ASSEMBLIES SHALL BE INSTALLED TO THE EXTERIOR OF THE
  FOUNDATION PIER.
- 5. CONTRACTOR TO VERIFY NORTHING AND EASTING INFORMATION PRIOR TO FOUNDATION INSTALLATION.
- 6. BUILDING ATTACHMENT INTEGRATED INTO BALLPARK STRUCTURE.
- POLES SHALL BE LOCATED USING STATION AND OFFSET. NORTHING AND EASTING IS SUPPLIED FOR INFORMATION ONLY. IF THERE IS A DISCREPENCY BETWEEN THE STATION AND OFFSET AND THE NORTHING AND EASTING CONTACT THE ENGINEER.

NO	DATE	REVISION	APPROVED
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	11		





TBPE REGISTRATION NO. F-1389



TBPE REGISTRATION NO. F-3162

COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS FOUNDATION SCHEDULE STA. 510+87 TO STA. 74+96





))	_			J090	
CONT	SECT	JOB		HIGHWAY	
0924	Ø6	446	Vi	ARIOUS	
DIST		COUNTY		SHEET NO.	
FI PA	12A	FI PAS	0	1003	

STATION	75+92	76+51	77+49	77+58	78+06	79+01A	79+01B	79+84A	79+84B	80+73	80+76	81+60A	81+60B	82+55	83+20	84+06A	84+06B	85+01A	85+01B	85+81A	_ 85+81B	86+36A	86+36B	86+67	
	P1-30		-			P2-28	79+01B P2-28				P2-28				P1-28		71111	P2-28	P2-28			P3-28		P20-28-L	-
POLE TYPE DFFSET	15.53	P2-30 15.58	P3-30	P2O-28-L	P1-28	30.12	25.95	P2-28 29.41	P2-28 26.98	P2-28 27.07		P2-28 26.61	P2-28 27.22	P1O-28-L 7.28	8.86	P2-28 26.7	P10-28-L 27.16	26.73	27.17	P3-28 26.81	P2-28 27.22	38.29	P2-28 13.67	19.1	+ ,
	15.55 R		35.69	9.15	10.37		25.95 R	29.41			26.58	+	27.22 R	7.28 R	8.80 R	_	27.16 R			20.81	27.22 R	38.29			-
FFSET DIRECTION	- "	R	L	R	R	L	- ''	L	R	R	L	L .	- "	- "	- "	L L	- "	L	R	L	- ''	L	R	R	4
OUNDATION TYPE	A	A	A	В	A	A	A	B	A 12	A	A	A	A	В	A	A	В	A	Α	A	A	Α	A	В	4
OUNDATION DEPTH (FT)	11	12	16	12	11	12	12	12	12	12	12	12	12	11	11	12	12	12	12	16	12	16	12	12	4
ORTHING	10655379.1	10655321.76	10655236.16	10655217.67	10655170.68	10655088.9	10655074.61	10655005.94	10654994.45	10554909.12	10654915.78	10654833.27		10654732.93	10654668.9	10654592.55	10654581.57	10654499.73	10654488.41	10654421.14	10654410.03	10654357.58	10654363.37	10654342.86	4
ASTING	385724.94	385736.91	385807.24	385765.35	385775.41	385837.84	385783.61	385855.66	385800.46	385829.97	385871.54	385888.76	385836.05	385874.3	385885.93	385938.97	385886.24	385958.34	385905.63	385974.78	385921.9	385993.89	385942.25	385929.09	-
OLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	-
EMARKS	100 100 11	1		1																					
OCS WIRING LAYOUT REF.	J116				J:	117						J	118							J119					-
TATION	86+72	86+95	87+194	87+19B	87+72A	87+72B	88+86	89+39	90+35A	90+35B	91+07A	91+07B	91+78A	91+78B	92+69	93+55	94+11	94+91	95+86	96+81	97+96	98+71	99+31	100+26	1
OLE TYPE	P4-28	P3-28	P3-28	P2-28	P2-28	P2-28	P1-28	P10-28-L	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P1-28	P1-28	P1-28	P10-28-L	P1O-28-L	P1-28	P1-28	P1O-28-L	P1-28	P10-28-L	1
FFSET	76.02	46.85	28.43	18.73	28.36	18.58	7.47	7.47	27.57	20.36	27.83	25.87	27.64	31.05	16.28	16.25	16.23	16.65	16.17	16.62	16.72	15.41	14.48	6.45	1
FFSET DIRECTION	L	L	L	R	L	R	R	R	L	R	L	R	L	R	R	R	R	R	R	R	R	R	R	R	1
DUNDATION TYPE	A	A	A	A	A	Α	Α	В	Α	A	A	A	Α	Α	Α	В	A	В	В	Α	Α	В	A	В	1
OUNDATION DEPTH (FT)	20	16	16	12	12	12	11	11	12	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11	1
ORTHING	10654281.22	10654273.58		10654322.23	1			10654267.2	10654212.51	10554259.41	10654197.58	10654250.16	10654183.22				10654178.63	10654162.82	10654142.97	10654123.5	10654104.16		10654072.44		5
ASTING	386001.78	385950.29	385910.81	385898.49	385837.56	385827.99	385738.08	385685.96	385599.94	385589.99	385529.54	385518.59	385459.62	385447.76	385361.12	385277.54	385222.43	385144.39	385051.47	384958.16	384865.44	384772.52	384713.41	384621.94	1
OLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	1
EMARKS	5.1.02	5.1.52	511.02	511.52	011.02	5.1.52	0.1.02	0.1.02	5.1.52	011 02	51.02			5.1. 52	5.1. 52	511.02	0.1.02	5 62	0.1.02	5.1. 52	5.1. 02	0.1.02		un 02	1
CS WIRING LAYOUT REF.		- 11	119				J12	20	1			-		J1	21					1	J122			J123	1
CS WILLING EATOOT KET.				valent name			71.	-0								-					7122			7123	7
TATION	101+15	101+93	102+64	102+77	102+82	103+03	103+09	103+32	103+68A	103+68B	48+31	48+79	200+61	49+44	49+52	201+09	201+43	202+38	203+28A	203+28B	204+27	205+15	206+09		
OLE TYPE	P1-28	P1-28	P3-28	P3-28	P2-28	P2-28	P4-28	P3-28	P3-28	P2O-28	P3-28	P4-28	P3-28	P4-30	P4-28-L	P2-28	P2-28	P2-28	P2-28	P2-28	P1-28	P1O-33-L	P1-30		
FFSET	14,21	14.75	30.9€	34.2	12.33	10.85	68.58	44.11	42.83	12.73	13.33	24.43	34.68	16.68	36.78	17.11	16.63	16.2	38.77	18.37	7	14.77	15.79		
FFSET DIRECTION	R	R	L	L	R	R	L	L	L	R	R	R	L	R	L	R	R	R	L	R	R	R	R		
OUNDATION TYPE	A	Α	А	Α	Α	Α	Α	Α	Α	Α	Α	А	Α	Α	В	Α	Α	В	Α	Α	Α	Α	Α		
OUNDATION DEPTH (FT)	11	11	16	16	12	12	20	16	16	12	16	20	14	20	20	11	11	11	11	11	10	10	10		
IORTHING	10654037.29	10654021.41	10653961.39	10653957.41	10654004.24	10654008.75	10653950.01	10654001.65	10654051.33	10554057.84	10657277.8	10657295.08	10657349.44	10657338.7	10657388.81	10657396.7	10657426.8	10657505.63	10657550.33	10657581.96	10657658.47	10657735.25	10657813.69		
ASTING	384532.7	384456.58	384394.54	384374.66	384374.32	384358.45	384304.38	384294.1	384283.49	384338.67	384530.1	384576.39	384529.88	384622.47	384600.33	384572.74	384552.95	384500.07	384404.38	384451.97	384388.2	384346.14	384293.27		
OLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-03	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01		
EMARKS												1		NOTE 1&4		=	2	225							
CS WIRING LAYOUT REF.					J:	123			1					J1	24						J125				
T.T.O.	202.27		1 507145	200.25	200.00	200.25	200.25	240:407	1 242.425	240.05	240.05	1 244.05	242.25	242.00	242.25	242.25		244.22	244.06	045.45	245.25	245.40	247.75	247.46	-
STATION	206+78	207+41	207+44	208+26	208+29	209+25	209+26	210+10A	210+10B	210+86	210+89	211+80	212+22	212+80	213+35	213+37	214+15	214+23	214+84	215+48	216+33	216+49	217+36	217+48	2
POLE TYPE DFFSET	P10-33-LT	P2-28-T	P2-30	P2-28	P2-30	P2-30	P2-28	P2-30	P2-28	P2-30	P2-28	P1-28-L	P1-28	P1-28	P2-28 37.44	P2-28 21.16	P2-28-T	P2-28	P1-28 15.56	P1-28	P1-28 15.59	P1-28	P2-28 35.25	P2-28	17.12
	15.29	20.6	43.78	24.21	47.79	44.82	21.29	45.33	21.78	45.64	20.99	6.49	8.75	15.52			21.98	36.92		15.79		15.53		22.28	

												and the second s															
	219+20	220+00	220+85	221+80	222+58	223+26	224+11	224+97	225+79	226+66	227+31	228+26	229+21	229+98	230+76	231+40	232+04	232+99	233+94	234+88	235+74	236+46	237+25	237+95	238+80		
	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P4-28	P3-28-F	P3-28-F	P4-28										
П	14.66	15.11	6.76	13.31	14.78	14.94	13.25	12.37	15.18	17.1	6.79	6.78	8.64	9.41	9.17	8.81	8.44	9.12	8.82	8.49	8.79	8.84	7.97	7.96	8	NO DATE	REVISION
П	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
П	Α .	A	A	A	A	A	A	A	I B	A	A	A	A	A	Α	A	A	A	A		( A	A	C	C	Α	+	
	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	17	14	14	17	+	
	10658901.39	10658967.75	10659036.42	10659117.61	10659182.52	10659239.17	10659310.06	10659383.03	10659453.91	10659526.6	10659575.86	10659654.92	10659733.93	10659798.49	10659862.92	10659915.83	10659968.75	10660048.07	10660126.86	10660204.79	10660276.4	10660336.23	10660401.64	10660459.8	10660530.46		
П	383562.76	383518.19	383464.85	383417.77	383374.43	383336.73	383290.93	383245.71	383201.73	383155.48	383111.92	383059.27	383006.62	382964.4	382920.5	382884.64	382848.78	382796.5	382743.41	382690.85	382643.27	382603.28		382519.51	382472.27		OF 200
	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-02	GR-01	1 .	SALE							

GR-01

GR-01

10658663.48 10658693.59 10658728.2 10658762.74 10658823.39

GR-01

383769.95 383722.63 383702.46 383618.31 383664.44 383614.84

J128

GR-01

JULY 14, 2015



# LTK LTK Engineering Services

TBPE REGISTRATION NO. F-1389

TBPE REGISTRATION NO. F-3162

COEP STREETCAR

**OVERHEAD CONTACT SYSTEM** 

OCS FOUNDATION SCHEDULE STA. 75+92 TO STA. 238+80



© 2012	Texas Department of Transportation
_	.1091

	)				0001
	CONT	SECT	JOB		HIGHWAY
	0924	Ø6	446	٧	ARIOUS
	DIST		COUNTY		SHEET NO.
	EL PA	1S0	EL PAS	0	1094
_	EL PA	450	EL PAS	0	1094

POLE TYPE	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P4-28	P3-28-F	P3-28-F	P4-28								
OFFSET	14.66	15.11	6.76	13.31	14.78	14.94	13.25	12.37	15.18	17.1	6.79	6.78	8.64	9.41	9.17	8.81	8.44	9.12	8.82	8.49	8.79	8.84	7.97	7.96	8
OFFSET DIRECTION	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FOUNDATION TYPE	A	Α	A	Α	A	Α	Α	Α	В	Α	A	Α	Α	Α	Α	Α	A	A	Α	Α	Α	Α	C	C	Α
FOUNDATION DEPTH (FT)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	17	14	14	17
NORTHING	10658901.39	10658967.75	10659036.42	10659117.61	10659182.52	10659239.17	10659310.06	10659383.03	10659453.91	10659526.6	10659575.86	10659654.92	10659733.93	10659798.49	10659862.92	10659915.83	10659968.75	10660048.07	10660126.86	10660204.79	10660276.4	10660336.23	10660401.64	10660459.8	10660530.46
EASTING	383562.76	383518.19	383464.85	383417.77	383374.43	383336.73	383290.93	383245.71	383201.73	383155.48	383111.92	383059.27	383006.62	382964.4	382920.5	382884.64	382848.78	382796.5	382743.41	382690.85	382643.27	382603.28	382558.46	382519.51	382472.27
POLE GROUND ASSY.	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-02	GR-01							
REMARKS																					1				
OCS WIRING LAYOUT REF.			J129		ļ			J130					J131					J132			ł .		J133	-	
						-					•														

GR-01

10658283.47 10658319.51 10658371.59 10658386.34 10658421.5

GR-01

GR-01

J127

GR-01

GR-01

384076.25 383978.04 384032.49 383969.62 383947.82 383920.17 383845.7 383892.63 383848.76 383795.99

GR-01

#### NOTES:

10658486.63 10658459.41 10658539.52

GR-01

383805.3

GR-02

- 1. POLE LOCATED OVER BASEMENT, REFER TO SHEET J701.
- OFFSET DIRECTION IS ORIENTED LOOKING IN INCREASING STATION ON THE MAINLINE TRACK WITH THE APPROPRIATE STATIONING.

10658592.9

GR-01

GR-01

- POLE OFFSET IS FROM CENTERLINE OF TRACK TO CENTERLINE OF FOUNDATION, AT THE CORRESPONDING STATIONING.
- FOUNDATIONS THAT ARE INSTALLED IN BASEMENTS REQUIRE GR-03 TYPE GROUND ROD ASSEMBLIES. GR-03 ASSEMBLIES SHALL BE INSTALLED TO THE EXTERIOR OF THE FOUNDATION PIER.
- 5. CONTRACTOR TO VERIFY NORTHING AND EASTING INFORMATION PRIOR TO FOUNDATION INSTALLATION.
- POLES SHALL BE LOCATED USING STATION AND OFFSET. NORTHING AND EASTING IS SUPPLIED FOR INFORMATION ONLY. IF THERE IS A DISCREPENCY BETWEEN THE STATION AND OFFSET AND THE NORTHING AND EASTING CONTACT THE ENGINEER.

OFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT)

POLE GROUND ASSY.

OCS WIRING LAYOUT REF.

NORTHING

EASTING

REMARKS

STATION

10

10657870.91

GR-01

J125

10657925.82

GR-01

GR-01

10657892.69 10657998.57 10657960.97

GR-01

384254.42 384224.27 384168.99 384180.22 384118.76 384067.64 384122.35 384020.33

GR-01

10658043.2 10658080.32 10658113.41

GR-01

GR-01

GR-01

10658150.51

GR-01

10558177.56

GR-01

10658216.07

GR-01

STATION	239+70	240+65	241+39	242+15	242+91	243+75	244+20	244+95	245+89	246+47	247+24	248+20	248+80	249+62	250+28	250+30	251+20	252+01	252+94	253+89	254+78	255+56	256+27	257+21A 257+21B	1
POLE TYPE	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28-L	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P2-28	P2-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P2-28 P2-28	11 11 V 1/1 C
FFSET	10.27	11.5	11.05	7.67	7.77	8.63	6.85	8.42	8.53	8.34	8.23	9.37	9.19	9.3	52.48	20.95	16.83	16.52	16.94	17.13	16.95	17.48	17.64	44.89 18.4	10L1 14, 2
OFFSET DIRECTION	R	R	R	R	R	D.05	D.05	D.42	D.55	R	0.25	R	D.13	R	32.40	D D	D D	R	D D	R	R	R	R	L R	1
TOTAL TOTAL SECTION	Δ	Α.	Δ	R	A	A	Α Δ	r\	Δ	A	Δ	A	Δ	A	Δ	Α Δ	Δ	R	A	Α.	Δ	Α Δ	Α Α	A A	+
OUNDATION TYPE		10	71	10				10				10		10				-	A 10						-
OUNDATION DEPTH (FT)	10	10	10		10	10	10		10	10	10		10		11	11	10	10	10	10	10	10	10	11 11	4
ORTHING	10660606	10660685.63	10660747.3	10660808.75	10660872.08		10660978.61	10661042.02	10661119.82	10661167.75		10661312.18	10661361.9	10661429.96		10661492.7	10661564.98	10661631.6	10661709	10661788.05	10661862.49	10661926.92	10661985.75	10662028.53 10662064.32	-
ASTING	382424.43	382372.62	382330.8	382285.59	382243.33	382198.15	382172.18	382131.76	382078.27	382046.08	382003.78	381950.29	381916.7	381871.03	381782.66	381842.08	381788.34	381743.38	381692.09	381639.4	381588.95	381546.1	381506.56	381402.4 381454.6	
OLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01 GR-01	
EMARKS			1									-													
OCS WIRING LAYOUT REF.			J134					J135					J	136					J137				J1	38	
																•									_
TATION	258+08	258+68	259+63	260+38	261+29	262+19	263+12	264+06	265+04	266+00	266+79A	266-79B	267+73	268+79	269+65A	269+65B	270+65	271+62	272+59	273+49	273+55	274+45	275+28	275+83 276+13	]
POLE TYPE	P1-28	P1-28	P10-28-L	P1-28-T	P1-28	P1-28	P1-28	P1-28	P1-28	P1-28	P2-28	P2-28	P1-28	P1-28	P2-28	P2-28	P1-28	P1-28	P1-28	P2-28	P2-28	P1-28	P1-30	P3-28 P4-30	1
FFSET	17.17	17.79	6.25	17.42	15.54	15.49	18	15.67	15.76	15.28	61.8	22.18	17.26	17.24	55.56	21.62	10.63	7.29	12.05	62.98	23.07	16.92	17.86	17.52 30.41	1
	R	D D	R.	R	P	13.43 R	D D	13.07 D	13.70 P	R	01.6	R R	D D	R	33.30	21.02 R	R	7.25 R	P.	02.36	23.07 R	R R	27.00 R	R R	4
OFFSET DIRECTION	- "	- N	- "		- 11	B	Α Α	Λ.	Δ	- "	-	- "	IV.	- "	Δ	Δ		- 11	- 10	-	- "	- "	- "	- 10	-
OUNDATION TYPE	Α	A 10	B	Α	Α		- "	A 10		A 10	A	A	A 10	A 10	- "	- "	A	A	B	A	A	A	Α	A A	4
OUNDATION DEPTH (FT)	10	10	10	10	10	10	10	10	10	10	11	11	10	10	11	11	10	10	10	11	11	10	10	14 17	4
	10662135.87		10662259.27	10662327.95	10662402.18			10662632.44	10662713.62		10662816.81	10662862.39		10663018.24		10663100.26			10663340.79			10663499.69		10663613.54 10663649.84	4
ASTING	381405.24	381373.22	381311.1	381277.94	381224.94	381175.3	381125.35	381071.16	381016.99	380963.3	380854.71	380925.24	380867.8	380815.12	380701.43	380765.77	380702.96	380645.08	380597.44	380486.07	380554.83	380498.62	380451.84	380420.9 380402.75	_
OLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01 GR-01	
REMARKS																									
DCS WIRING LAYOUT REF.	J:	138		J1	39				J1	140					J141					J142				J143	
													•												*
TATION	276+15	276+37	276+77	276+78	277+55	278+27	279+02A	279+02B	280+50A	280+50B	281+48A	281-48B	282+30	282+37	282+67	282+88	282+96	283+34	283+69	284+14	285+01	285+95	286+87	287+78 288+54	]
OLE TYPE	P3-30	P4-30	P3-28	P4-30	P1-28	P1-33	P4-30	P4-30	P4-30	P4-30	P2-28	P2-28	P2-28	P3-28	P4-28	P3-30	P4-30	P4-28	P2-28	P4-28	P3-28-F	P3-28-F	P4-28	P1-28 P1-28	1
OFFSET	50.34	60.26	25.31	34.84	17.84	15.62	29.44	15.94	32.86	17.73	32.76	21.75	40.28	16.47	19.29	42.08	38.84	27.1		10.73		7.92	7.98	9.22 8.94	+
OFFSET DIRECTION	50.34	8 B	25.51	34.64 R	17.84 R	15.62 R	29.44	15.94	32.00	R R	32.76	21.75 R	40.28	10.47 R	19.29 R	42.06	30.04 R	R R	8.61 R	10.73 R	8.03	7.92 R	7.98 R	9.22 8.94 R R	+
		- "	_	- "		A	A	ĸ	Α	- "			Δ		- "	_ L	- "		• • • • • • • • • • • • • • • • • • • •	A	- "	C	A		
OUNDATION TYPE	A	A	A	A	A		- "	Α		Α	A	A	- ''	Α	Α	Α	A	A	Α	- ''	С		- '	A A	4
FOUNDATION DEPTH (FT)	14	17	14	17	10	10	17	17	17	17	11	11	11	14	17	14	17	17	11	17	14	14	17	10 10	4
	10663582.62			10663661.36	10663603.64		10663484.94	10663522.56	10663400.95		10663346.7	10663392.08		10663341.59		10663275.28	10663292.39		10663209.51	10663170.06		10663025.83		10662872.91 10662809.99	
EASTING	380357.97	380376.75	380334.1	380309.15	380249.12	380188.83	380153.45	380128.08	380029.06	380001.01	379947.49	379917.29	379880.46	379845.55	379816.12	379858.99	379779.67	379793.19	379826.16	379849.28	379897.75	379950.57	380000.44	380051.44 380093.89	
POLE GROUND ASSY.	GR-01	GR-01	CD 01	CD O1	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	CD 01		CD 01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-02	GR-01	GR-01 GR-01	
	200	011 02	GR-01	GR-01	GU-01	GIV-01		GV-01	GV-01	UK-01	011-02	GW-01	GIV-01	GR-01	GR-01	GR-01									
REMARKS	45-14	0.02	GR-01	GK-01	GN-01	GK-01		GK-01	GK-01	GN-01	GIVOI	GK-01	GIV-01	GK-01	GR-01	GR-01		-							
REMARKS OCS WIRING LAYOUT REF.	48.54	5,72	J143	GR-01	GN-01	GIV-01		GK-01	J144	GR-01	GNUI	GR-01	GN-01	GK-UI	GR-01	GR-01	J145						J1	46	- -
		5,72		GR-01	GN-01	GN-01		GK-01		GR-01	ON DI	GR-01	GN-01	GR-01	GR-01	GK-01	200						J1	46	-
	289+17	290+04		291+85	292+80	293+75	294+70	295+44		297+34	298+27	299+15	300+05	300+92	301+58	302+46	200	304+37	305+32	306+21	307+16	308+05	308+94	46 309+89 310+85	
OCS WIRING LAYOUT REF.	289+17 P1-28		J143						J144								J145	304+37 P1-28	305+32 P1-28	306+21 P1-28	307+16 P1-28	308+05 P10-28-L			]
STATION POLE TYPE		290+04 P10-28-L	J143 290+90	291+85 P1O-28-L	292+80 P1-28	293+75	294+70	295+44	J144 296+39 P1O-28-L	297+34 P1-28	298+27 P1-28	299+15 P1-28	300+05	300+92	301+58	302+46	J145 303+41 P10-28-L	P1-28	P1-28				308+94	309+89 310+85 P1O-28-L P1-28	
OCS WIRING LAYOUT REF.  STATION POLE TYPE  OFFSET	P1-28	290+04	J143 290+90 P1-28	291+85	292+80	293+75 P1-28	294+70 P10-28-L	295+44 P1O-28-L	J144 296+39	297+34	298+27	299+15	300+05 P1-28	300+92 P1-28	301+58 P10-28-L	302+46 P10-28	J145 303+41			P1-28	P1-28	P10-28-L	308+94 P1-28	309+89 310+85 P1O-28-L P1-28	
STATION POLE TYPE DEFSET DEFSET DIRECTION	P1-28 8.94 R	290+04 P10-28-L	J143 290+90 P1-28 8.9 R	291+85 P10-28-L 9.11 R	292+80 P1-28 9.21 R	293+75 P1-28 8.99 R	294+70 P10-28-L	295+44 P1O-28-L	J144 296+39 P1O-28-L	297+34 P1-28 9.97 R	298+27 P1-28 7.61 R	299+15 P1-28 9.06 R	300+05 P1-28 8.77 R	300+92 P1-28 7.9 R	301+58 P10-28-L 7.96	302+46 P10-28 10.63 R	J145 303+41 P10-28-L 9.2 R	P1-28 9.19 R	P1-28 9.25 R	P1-28 8.76 R	P1-28 9.04 R	P1O-28-L 8.99 R	308+94 P1-28 7.73	309+89 310+85 P10-28-L P1-28 7.75 9 R R	
OCS WIRING LAYOUT REF.  INTATION POLE TYPE  OFFSET  OFFSET DIRECTION OUNDATION TYPE	P1-28 8.94 R A	290+04 P10-28-L 9.52 R B	J143 290+90 P1-28 8.9 R B	291+85 P10-28-L 9.11 R B	292+80 P1-28 9.21 R	293+75 P1-28 8.99 R	294+70 P10-28-L 7.83 R	295+44 P10-28-L 7.69 R B	J144 296+39 P10-28-L 10.35 R B	297+34 P1-28 9.97 R	298+27 P1-28 7.61 R	299+15 P1-28 9.06 R	300+05 P1-28 8.77 R	300+92 P1-28 7.9 R	301+58 P10-28-L 7.96 R	302+46 P10-28 10.63 R	J145 303+41 P10-28-L 9.2 R B	P1-28 9.19 R A	P1-28 9.25 R A	P1-28 8.76 R A	P1-28 9.04 R A	P1O-28-L 8.99 R B	308+94 P1-28 7.73 R	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B	
STATION SOLE TYPE DOFFSET DIFFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT)	P1-28 8.94 R A 10	290+04 P10-28-L 9.52 R B	J143 290+90 P1-28 8.9 R B	291+85 P10-28-L 9.11 R B	292+80 P1-28 9.21 R A	293+75 P1-28 8.99 R A	294+70 P10-28-L 7.83 R B	295+44 P10-28-L 7.69 R B	J144 296+39 P10-28-L 10.35 R B	297+34 P1-28 9.97 R A	298+27 P1-28 7.61 R A	299+15 P1-28 9.06 R A	300+05 P1-28 8.77 R A	300+92 P1-28 7.9 R B	301+58 P10-28-L 7.96 R B	302+46 P10-28 10.63 R A	J145 303+41 P10-28-L 9.2 R B	P1-28 9.19 R A 10	P1-28 9.25 R A 10	P1-28 8.76 R A 10	P1-28 9.04 R A 10	P1O-28-L 8.99 R B 10	308+94 P1-28 7.73 R A	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B D	
COS WIRING LAYOUT REF.  STATION POLE TYPE DEFSET DEFSET DIRECTION FOUNDATION TYPE FOUNDATION DEPTH (FT) NORTHING	P1-28 8.94 R A 10 10662757.63	290+04 P10-28-L 9.52 R B 10 10662685.1	J143 290+90 P1-28 8.9 R B 10	291+85 P10-28-L 9.11 R B 10	292+80 P1-28 9.21 R A 10	293+75 P1-28 8.99 R A 10 10662377.06	294+70 P10-28-L 7.83 R B 10 10662298.13	295+44 P10-28-L 7.69 R B 10 10662237.01	J144 296+39 P10-28-L 10.35 R B 10	297+34 P1-28 9.97 R A 10 10662077.7	298+27 P1-28 7.61 R A 10 10662001.33	299+15 P1-28 9.06 R A 10 10661927.38	300+05 P1-28 8.77 R A 10	300+92 P1-28 7.9 R B 10	301+58 P10-28-L 7.96 R B 10	302+46 P10-28 10.63 R A 10	J145 303+41 P10-28-L 9.2 R B 10 10661573.27	P1-28 9.19 R A 10 10661493.49	P1-28 9.25 R A 10 10661414.35	P1-28 8.76 R A 10 10661340.64	P1-28 9.04 R A 10 10661261.54	P10-28-L 8.99 R B 10 10661188.25	308+94 P1-28 7.73 R A 10	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37	
TATION OLE TYPE OFFSET OUNDATION TYPE OUNDATION DEPTH (FT) OORTHING	P1-28 8.94 R A 10 10662757.63 380128.93	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77	290+90 P1-28 8.9 R B 10 10662613.97 380225.11	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77	292+80 P1-28 9.21 R A 10 10662455.89 380330.52	293+75 P1-28 8.99 R A 10 10662377.06 380383.55	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42	296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14	297+34 P1-28 9.97 R A 10 10662077.7 380580.99	298+27 P1-28 7.61 R A 10 10662001.33 380634.15	299+15 P1-28 9.06 R A 10 10661927.38 380681.86	300+05 P1-28 8.77 R A 10 10661852.66 380732.04	300+92 P1-28 7.9 R B 10 10661779.9 380780.59	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9	302+46 P10-28 10.63 R A 10 10661651.6 380864.63	J145 303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99	P1-28 9.19 R A 10 10661493.49 380972.4	P1-28 9.25 R A 10 10661414.35 381025.28	P1-28 8.76 R A 10 10661340.64 381075.19	P1-28 9.04 R A 10 10661261.54 381127.79	P10-28-L 8.99 R B 10 10661188.25 381176.89	308+94 P1-28 7.73 R A 10 10661114.14 381226.3	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78	
OCS WIRING LAYOUT REF.  INTATION POLE TYPE OFFSET OFFSET DIRECTION FOUNDATION TYPE OUNDATION DEPTH (FT) ONORTHING FASTING POLE GROUND ASSY.	P1-28 8.94 R A 10 10662757.63	290+04 P10-28-L 9.52 R B 10 10662685.1	J143 290+90 P1-28 8.9 R B 10	291+85 P10-28-L 9.11 R B 10	292+80 P1-28 9.21 R A 10	293+75 P1-28 8.99 R A 10 10662377.06	294+70 P10-28-L 7.83 R B 10 10662298.13	295+44 P10-28-L 7.69 R B 10 10662237.01	J144 296+39 P10-28-L 10.35 R B 10	297+34 P1-28 9.97 R A 10 10662077.7	298+27 P1-28 7.61 R A 10 10662001.33	299+15 P1-28 9.06 R A 10 10661927.38	300+05 P1-28 8.77 R A 10	300+92 P1-28 7.9 R B 10	301+58 P10-28-L 7.96 R B 10	302+46 P10-28 10.63 R A 10	J145 303+41 P10-28-L 9.2 R B 10 10661573.27	P1-28 9.19 R A 10 10661493.49	P1-28 9.25 R A 10 10661414.35	P1-28 8.76 R A 10 10661340.64	P1-28 9.04 R A 10 10661261.54	P10-28-L 8.99 R B 10 10661188.25	308+94 P1-28 7.73 R A 10	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37	
OCS WIRING LAYOUT REF.  STATION  POLE TYPE  DEFSET  DEFSET  DEFSET DIRECTION  FOUNDATION TYPE  FOUNDATION DEPTH (FT)	P1-28 8.94 R A 10 10662757.63 380128.93	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77	290+90 P1-28 8.9 R B 10 10662613.97 380225.11	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77	292+80 P1-28 9.21 R A 10 10662455.89 380330.52	293+75 P1-28 8.99 R A 10 10662377.06 380383.55	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42	296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14	297+34 P1-28 9.97 R A 10 10662077.7 380580.99	298+27 P1-28 7.61 R A 10 10662001.33 380634.15	299+15 P1-28 9.06 R A 10 10661927.38 380681.86	300+05 P1-28 8.77 R A 10 10661852.66 380732.04	300+92 P1-28 7.9 R B 10 10661779.9 380780.59	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9	302+46 P10-28 10.63 R A 10 10661651.6 380864.63	J145 303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99	P1-28 9.19 R A 10 10661493.49 380972.4	P1-28 9.25 R A 10 10661414.35 381025.28	P1-28 8.76 R A 10 10661340.64 381075.19	P1-28 9.04 R A 10 10661261.54 381127.79	P10-28-L 8.99 R B 10 10661188.25 381176.89	308+94 P1-28 7.73 R A 10 10661114.14 381226.3	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78	
OCS WIRING LAYOUT REF.  STATION  POLE TYPE  OFFSET  OFFSET DIRECTION  FOUNDATION TYPE  FOUNDATION DEPTH (FT)  NORTHING  FASTING  POLE GROUND ASSY.	P1-28 8.94 R A 10 10662757.63 380128.93	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77	290+90 P1-28 8.9 R B 10 10662613.97 380225.11	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77	292+80 P1-28 9.21 R A 10 10662455.89 380330.52	293+75 P1-28 8.99 R A 10 10662377.06 380383.55	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01	297+34 P1-28 9.97 R A 10 10662077.7 380580.99	298+27 P1-28 7.61 R A 10 10662001.33 380634.15	299+15 P1-28 9.06 R A 10 10661927.38 380681.86	300+05 P1-28 8.77 R A 10 10661852.66 380732.04	300+92 P1-28 7.9 R B 10 10661779.9 380780.59	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9	302+46 P10-28 10.63 R A 10 10661651.6 380864.63	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01	P1-28 9.19 R A 10 10661493.49 380972.4	P1-28 9.25 R A 10 10661414.35 381025.28	P1-28 8.76 R A 10 10661340.64 381075.19	P1-28 9.04 R A 10 10661261.54 381127.79	P10-28-L 8.99 R B 10 10661188.25 381176.89	308+94 P1-28 7.73 R A 10 10661114.14 381226.3	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78	
TATION OLE TYPE OFFSET OUNDATION TYPE OUNDATION DEPTH (FT) IORTHING ASTING OLE GROUND ASSY. EMARKS	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77	290+90 P1-28 8.9 R B 10 10662613.97 380225.11	291+85 P1O-28-L 9.11 R B 10 10662534.9 380277.77 GR-01	292+80 P1-28 9.21 R A 10 10662455.89 380330.52	293+75 P1-28 8.99 R A 10 10662377.06 380383.55	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01	297+34 P1-28 9.97 R A 10 10662077.7 380580.99	298+27 P1-28 7.61 R A 10 10662001.33 380634.15	299+15 P1-28 9.06 R A 10 10661927.38 380681.86	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01	300+92 P1-28 7.9 R B 10 10661779.9 380780.59	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9	302+46 P10-28 10.63 R A 10 10661651.6 380864.63	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01	P1-28 9.25 R A 10 10661414.35 381025.28	P1-28 8.76 R A 10 10661340.64 381075.19	P1-28 9.04 R A 10 10661261.54 381127.79	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01	308+94 P1-28 7.73 R A 10 10661114.14 381226.3	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02	
CS WIRING LAYOUT REF.  FATION  DIE TYPE  FFSET  FFSET DIRECTION  DUNDATION TYPE  DUNDATION DEPTH (FT)  ORTHING  ASTING  DIE GROUND ASSY.  EMARKS  CS WIRING LAYOUT REF.	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01	J143 290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01	294+70 P1O-28-L 7.83 R B 10 10662298.13 380436.26 GR-01	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01	J144 296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01	299+15 P1-28 9.06 R A 10 10661927.38 380631.86 GR-01	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01	J145 303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01	309+89 310+85 P10-28-L P1-28 7.75 9 R R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02	
CS WIRING LAYOUT REF.  TATION  DIE TYPE  FFSET  FFSET DIRECTION  DUNDATION TYPE  ONTHING  ASTING  DIE GROUND ASSY.  EMARKS  CS WIRING LAYOUT REF.	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01	J143  290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J14	J144 296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01	299+15 P1-28 9.06 R A 10 10661927.38 380681.86 GR-01	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02	301+58 P10-28-L 7.96 R B 10 10661725-43 380816.9 GR-01	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151 328+84	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152	
CS WIRING LAYOUT REF.  ITATION  DUE TYPE  FFSET DIRECTION  DUNDATION TYPE  DUNDATION DEPTH (FT)  ORTHING  ASTING  DLE GROUND ASSY.  EMARKS  CS WIRING LAYOUT REF.  ITATION  DLE TYPE	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01	J143  290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01	294+70 P1O-28-L 7.83 R B 10 10662298.13 380436.26 GR-01	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J14 317+29 P10-28-L	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01  48 318+22 P1-28	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01	299+15 P1-28 9.06 R A 10 10661927.38 380631.86 GR-01	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1 324+91 P1-28	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151 328+84 P1-28-L	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28	
TATION OLE TYPE OFFSET OUNDATION TYPE OUNDATION DEPTH (FT) OUNDATION DEPTH (FT) OUNDATION DEPTH (FT) OUNDATION DEPTH (FT) OLE GROUND ASSY. EMARKS CS WIRING LAYOUT REF. TATION OLE TYPE OFFSET	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01	J143  290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01 315+63 P1O-28-L 10.64	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J14	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01  48  318+22 P1-28 8.9	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01	299+15 P1-28 9.06 R A 10 10661927.38 380631.86 GR-01	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01	J145 303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1 324+91 P1-28 8.04	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28 7.7	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28 7.46	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151 328+84 P1-28-L 6.69	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01 329+80 P1-28 7.62	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28 7.65 7.74	NO DATE REVISION
TATION OLE TYPE OFFSET DIRECTION OUNDATION TYPE OUNDATION DEPTH (FT) ORTHING ASTING OLE GROUND ASSY. EMARKS CCS WIRING LAYOUT REF. TATION OLE TYPE OFFSET OFFSET DIRECTION	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14 R	290+04 PIO-28-L 9.52 R B 10 10662685.1 380179.77 GR-01 312+28 PIO-28-L 8.91 R	J143  290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02  313+11 P1-28 8.95 R	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6 R	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01 314+68 P1-28 10.07 R	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01 315+63 P1O-28-L 10.64 R	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01 316+46 P1-28 7.65 R	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J14 317+29 P10-28-L 7.6 R	J144 296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01 48 318+22 P1-28 8.9 R	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01 318+83 P10-28-L 8.43 R	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01 319+77 P1-28 11.16 R	299+15 P1-28 9.06 R A 10 10661927.38 380631.86 GR-01 320+72 P4-28 8.77 R	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51 R	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02 322+28 P3-28-F 8.09 R	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01 323+18 P4-28 8.16 R	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01	J145 303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1 324+91 P1-28 8.04 R	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89 R	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28 7.7 R	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66 R	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28 7.46 R	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151 328+84 P1-28-L 6.69 R	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01 329+80 P1-28 7.62 R	309+89 310+85 P10-28-L P1-28 7.75 9 R R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28 7.65 7.74 R R	
TATION OLE TYPE OUNDATION TYPE OUNDATION TYPE OUNDATION TYPE OASTING OLE GROUND ASSY. EMARKS OCS WIRING LAYOUT REF. TATION OLE TYPE OFFSET OFFSET OUNDATION TYPE OUNDATION TYPE	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14 R A	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01 312+28 P1O-28-L 8.91 R	J143  290+9C P1-28 8.9 R B 10 10662613.97 380225.11 GR-02  313+11 P1-28 8.95 R A	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6 R	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01 314+68 P1-28 10.07 R	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01 315+63 P1O-28-L 10.64 R	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01 316+46 P1-28 7.65 R	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J1/ 317+29 P10-28-L 7.6 R	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01  48  318+22 P1-28 8.9 R A	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01 318+83 P10-28-L 8.43 R	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01 319+77 P1-28 11.16 R	299+15 P1-28 9.06 R A 10 10661927.38 380681.86 GR-01 320+72 P4-28 8.77 R	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51 R	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02 322+28 P3-28-F 8.09 R	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01 323+18 P4-28 8.16 R	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01 324+13 P1-28 8.01 R	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01  J1 324+91 P1-28 8.04 R A	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89 R A	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28 7.7 R	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66 R	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28 7.46 R	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151 328+84 P1-28-L 6.69 R	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01 329+80 P1-28 7.62 R	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28 7.65 7.74 R R A A	NO DATE REVISION
TATION OLE TYPE OUNDATION TEFF.  TATION OLE TYPE OFFSET DIRECTION OUNDATION TYPE OUNDATION DEPTH (FT) ORTHING OLE GROUND ASSY. EMARKS OCS WIRING LAYOUT REF.  TATION OLE TYPE OFFSET DIRECTION OUNDATION TYPE OUNDATION TYPE OUNDATION TYPE OUNDATION TYPE	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14 R A	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01 312+28 P1O-28-L 8.91 R B	J143  290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02  313+11 P1-28 8.95 R A 10	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6 R A	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01 314+68 P1-28 10.07 R A	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01 315+63 P1O-28-L 10.64 R B	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01 316+46 P1-28 7.65 R	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J14 317+29 P10-28-L 7.6 R B	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01  48  318+22 P1-28 8.9 R A 10	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01 318+83 P10-28-L 8.43 R B	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01 319+77 P1-28 11.16 R A	299+15 P1-28 9.06 R A 10 10661927.38 380681.86 GR-01 320+72 P4-28 8.77 R A	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51 R C	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02 322+28 P3-28-F 8.09 R C	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01 323+18 P4-28 8.16 R	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01 324+13 P1-28 8.01 R A	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1 324+91 P1-28 8.04 R A	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89 R A 10	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28 7.7 R A 10	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66 R A	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28 7.46 R A	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01  J151  328+84 P1-28-L 6.69 R B 10	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01  329+80 P1-28 7.62 R A 10	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28 7.65 7.74 R R R A A A 10 10	NO DATE REVISION
CCS WIRING LAYOUT REF.  TATION OLE TYPE OFFSET OFFSET DIRECTION OUNDATION TYPE OUNDATION DEPTH (FT) JORTHING ASTING OLE GROUND ASSY. JEMARKS OCS WIRING LAYOUT REF.  TATION OLE TYPE OFFSET DIRECTION OUNDATION TYPE OUNDATION TYPE OUNDATION TYPE	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14 R A	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01 312+28 P1O-28-L 8.91 R	J143  290+9C P1-28 8.9 R B 10 10662613.97 380225.11 GR-02  313+11 P1-28 8.95 R A	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6 R	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01 314+68 P1-28 10.07 R	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01 315+63 P1O-28-L 10.64 R B	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01 316+46 P1-28 7.65 R	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J1/ 317+29 P10-28-L 7.6 R	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01  48  318+22 P1-28 8.9 R A	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01 318+83 P10-28-L 8.43 R	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01 319+77 P1-28 11.16 R A	299+15 P1-28 9.06 R A 10 10661927.38 380681.86 GR-01 320+72 P4-28 8.77 R	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51 R C	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02 322+28 P3-28-F 8.09 R	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01 323+18 P4-28 8.16 R	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01 324+13 P1-28 8.01 R	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01  J1 324+91 P1-28 8.04 R A	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89 R A 10	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01  326+46 P1-28 7.7 R A 10	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66 R	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28 7.46 R A	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151 328+84 P1-28-L 6.69 R	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01 329+80 P1-28 7.62 R	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28 7.65 7.74 R R A A	NO DATE REVISION
CCS WIRING LAYOUT REF.  COTATION  POLE TYPE  DEFSET  DEFSET DIRECTION  COUNDATION TYPE  COUNDATION DEPTH (FT)  ACTING  POLE GROUND ASSY.  REMARKS  CCS WIRING LAYOUT REF.  COUNDATION  POLE TYPE  DEFSET  DEFSET DIRECTION  COUNDATION TYPE  COUNDATION TYPE  COUNDATION TYPE  COUNDATION DEPTH (FT)  ACRITHING	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14 R A	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01 312+28 P1O-28-L 8.91 R B	J143  290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02  313+11 P1-28 8.95 R A 10	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6 R A	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01 314+68 P1-28 10.07 R A	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01 315+63 P1O-28-L 10.64 R B	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01 316+46 P1-28 7.65 R	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J14 317+29 P10-28-L 7.6 R B	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01  48  318+22 P1-28 8.9 R A 10	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01 318+83 P10-28-L 8.43 R B	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01 319+77 P1-28 11.16 R A	299+15 P1-28 9.06 R A 10 10661927.38 380681.86 GR-01 320+72 P4-28 8.77 R A	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51 R C	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02 322+28 P3-28-F 8.09 R C	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01 323+18 P4-28 8.16 R	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01 324+13 P1-28 8.01 R A	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1 324+91 P1-28 8.04 R A	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89 R A 10	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28 7.7 R A 10	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66 R A	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28 7.46 R A	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01  J151  328+84 P1-28-L 6.69 R B 10	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01  329+80 P1-28 7.62 R A 10	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28 7.65 7.74 R R R A A A 10 10	NO DATE REVISION
CCS WIRING LAYOUT REF.  TATION OLE TYPE OFFSET DIRECTION OUNDATION TYPE OUNDATION DEPTH (FT) IORTHING ASTING OLE GROUND ASSY. IEMARKS ICS WIRING LAYOUT REF.  TATION OLE TYPE OFFSET DIRECTION OUNDATION TYPE OUNDATION TYPE OUNDATION DEPTH (FT) IORTHING	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14 R A 10 10660910.67	290+04 PIO-28-L 9.52 R B 10 10662685.1 380179.77 GR-01 312+28 PIO-28-L 8.91 R B 10 10660836.71 381411.99	290+90 P1-28 8.9 R B 10 10662613.97 380225.11 GR-02 313+11 P1-28 8.95 R A 10 10660766.96 381458.79	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6 R A 10 1066095.94 381505.08	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01 314+68 P1-28 10.07 R A 10 10660636.25 381545.69	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01 315+63 P1O-28-L 10.64 R B 10 10660556.99 381598.06	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01 316+46 P1-28 7.65 R A 10	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J14 317+29 P10-28-L 7.6 R B 10	J144  296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01  48  318+22 P1-28 8.9 R A 10 10660341.93	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01 318+83 P10-28-L 8.43 R B 10 10660291.08 381775.56	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01 319+77 P1-28 11.16 R A 10 10660213.04 381827.1	299+15 P1-28 9.06 R A 10 10661927.38 380631.86 GR-01 320+72 P4-28 8.77 R A 17 10660135.36 381882.33	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51 R C	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02 322+28 P3-28-F 8.09 R C	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01 323+18 P4-28 8.16 R A 17 10659931.53 382019.03	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01 324+13 P1-28 8.01 R A 10 10659852.59 382071.88	J145 303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1 324+91 P1-28 8.04 R A 10 10659787.68 382115.13	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89 R A 10 10659737.44 382148.67	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28 7.7 R A 10 10659656.16 382198.37	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66 R A 10 10659593.3 382239.31	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01  328+16 P1-28 7.46 R A 10 10659515.36 382292.16	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01  J151  328+84 P1-28-L 6.69 R B 10 10659458.26 382330.54	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01  329+80 P1-28 7.62 R A 10 10659378.87 382384.51	309+89 310+85 P10-28-L P1-28 7.75 9 R R R B B B 10 10 1061035.34 10660955.37 381279.35 381332.78 GR-01 GR-02  J152  330+54 331+40 P1-28 P1-28 7.65 7.74 R R R A A A 10 10 10659317.44 10659245.91 382425.76 382473.52	NO DATE REVISION
CSTATION POLE TYPE DEFSET DIRECTION POUNDATION TYPE OUNDATION DEPTH (FT) POSTATING POLE GROUND ASSY. REMARKS DCS WIRING LAYOUT REF. DEFSET DIRECTION POLE TYPE DEFSET DIRECTION POLE TYPE DEFSET DIRECTION POUNDATION TYPE FOUNDATION DEPTH (FT)	P1-28 8.94 R A 10 10662757.63 380128.93 GR-01 J146 311+34 P1-28 15.14 R A 10 10660910.67 381355.26	290+04 P1O-28-L 9.52 R B 10 10662685.1 380179.77 GR-01 312+28 P1O-28-L 8.91 R B	313+11 P1-28 8.95 R B 10 10662613.97 380225.11 GR-02	291+85 P10-28-L 9.11 R B 10 10662534.9 380277.77 GR-01 J147 313+96 P1-28 10.6 R A 10	292+80 P1-28 9.21 R A 10 10662455.89 380330.52 GR-01 314+68 P1-28 10.07 R A 10	293+75 P1-28 8.99 R A 10 10662377.06 380383.55 GR-01  315+63 P10-28-L 10.64 R B 10 10660556.99	294+70 P10-28-L 7.83 R B 10 10662298.13 380436.26 GR-01 316+46 P1-28 7.65 R A 10 10660488.6 381643.51	295+44 P10-28-L 7.69 R B 10 10662237.01 380477.42 GR-01 J1/ 317+29 P10-28-L 7.6 R B 10 10660419.32 381688.92	J144 296+39 P10-28-L 10.35 R B 10 10662156.64 380528.14 GR-01 48 318+22 P1-28 8.9 R A 10 10660341.93 381740.79	297+34 P1-28 9.97 R A 10 10662077.7 380580.99 GR-01 318+83 P10-28-L 8.43 R B 10	298+27 P1-28 7.61 R A 10 10662001.33 380634.15 GR-01  319+77 P1-28 11.16 R A 10 10660213.04	299+15 P1-28 9.06 R A 10 10661927.38 380631.86 GR-01 320+72 P4-28 8.77 R A 17	300+05 P1-28 8.77 R A 10 10661852.66 380732.04 GR-01 J149 321+43 P3-28-F 8.51 R C 14 10660076.36 381921.99	300+92 P1-28 7.9 R B 10 10661779.9 380780.59 GR-02 322+28 P3-28-F 8.09 R C 14 10660005.93	301+58 P10-28-L 7.96 R B 10 10661725.43 380816.9 GR-01 323+18 P4-28 8.16 R A 17	302+46 P10-28 10.63 R A 10 10661651.6 380864.63 GR-01 324+13 P1-28 8.01 R A 10	J145  303+41 P10-28-L 9.2 R B 10 10661573.27 380918.99 GR-01 J1 324+91 P1-28 8.04 R A 10 10659787.68	P1-28 9.19 R A 10 10661493.49 380972.4 GR-01 50 325+51 P1-28 7.89 R A 10 10659737.44	P1-28 9.25 R A 10 10661414.35 381025.28 GR-01 326+46 P1-28 7.7 R A 10 10659656.16	P1-28 8.76 R A 10 10661340.64 381075.19 GR-01 327+21 P1-28 8.66 R A 10 10659593.3	P1-28 9.04 R A 10 10661261.54 381127.79 GR-01 328+16 P1-28 7.46 R A 10 10659515.36	P10-28-L 8.99 R B 10 10661188.25 381176.89 GR-01 J151 328+84 P1-28-L 6.69 R B 10 10669458.26	308+94 P1-28 7.73 R A 10 10661114.14 381226.3 GR-01  329+80 P1-28 7.62 R A 10 10659378.87	309+89 310+85 P10-28-L P1-28 7.75 9 R R B B 10 10 10661035.34 10660955.37 381279.35 381332.78 GR-01 GR-02 J152 330+54 331+40 P1-28 P1-28 7.65 7.74 R R A A 10 10 10659317.44 10659245.91	NO DATE REVISION

#### NOTES:

- 1. POLE LOCATED OVER BASEMENT, REFER TO SHEET J701.
- 2. OFFSET DIRECTION IS ORIENTED LOOKING IN INCREASING STATION ON THE MAINLINE TRACK WITH THE APPROPRIATE STATIONING.

- 3. POLE OFFSET IS FROM CENTERLINE OF TRACK TO CENTERLINE OF FOUNDATION, AT THE CORRESPONDING STATIONING.
- FOUNDATIONS THAT ARE INSTALLED IN BASEMENTS
  REQUIRE GR-03 TYPE GROUND ROD ASSEMBLIES. GR-03
  ASSEMBLIES SHALL BE INSTALLED TO THE EXTERIOR OF THE
  FOUNDATION PIER.
- 5. CONTRACTOR TO VERIFY NORTHING AND EASTING INFORMATION PRIOR TO FOUNDATION INSTALLATION.
- POLES SHALL BE LOCATED USING STATION AND OFFSET. NORTHING AND EASTING IS SUPPLIED FOR INFORMATION ONLY. IF THERE IS A DISCREPENCY BETWEEN THE STATION AND OFFSET AND THE NORTHING AND EASTING CONTACT THE ENGINEER.

NO	DATE	REVISION	APPROVE
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	11		
	//		
	11		





TBPE REGISTRATION NO. F-1389



TBPE REGISTRATION NO. F-3162

COEP STREETCAR

OVERHEAD CONTACT SYSTEM

OCS FOUNDATION SCHEDULE STA. 239+70 TO STA. 331+40





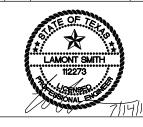
)				JUJ2
CONT	SECT	JOB		HIGHWAY
0924	Ø6	446	Vi	ARIOUS
DIST		COUNTY		SHEET NO.
EL PA	4S0	EL PAS	0	1095
	Ø924 DIST	0924 06	0924 06 446 DIST COUNTY	0924 06 446 V

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STATION	332+01	332+96	333+91	334+73	335+44	336+01	336+96	337+91	338+61	339+56	340+46	341+41	342+25	343+20	344+20	345+06	345+90	346+85	347+79	348+56	349+52	350+25	351+20	352+12	352+82
POLE TYPE	P1-28	P1-28	P10-28-L	P1-28	P10-28-L	P1-28	P1-28	P1O-28	P10-28-L	P1-28	P1-28	P1-28-T	P1-28	P10-28-L	P1-28	P1-28	P1-28	P1-28	P1-28	P10-28-L	P1-28	P10-32-L	P1-28	P2-30	P2-28
OFFSET	7.64	7.81	8.24	8.23	8.22	7.93	8.22	8.34	8.3	11.36	7.86	6.63	7.28	7.71	8.22	8.2	9.08	6.8	6.97	8.14	9.09	12.45	16.46	14.88	15.8
OFFSET DIRECTION	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FOUNDATION TYPE	A	A	В	A	В	В	Α	Α	В	A	A	В	Α	В	Α	Α	В	Α	Α	В	Α	В	Α	A	A
FOUNDATION DEPTH (FT)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11
NORTHING	10659195.27	10659116.23	10659037.04	10658968.9	10658910.16	10658862.53	10658783.65	10658704.64	10658646.96	10658565.98	10658514.59	10658414.18	10658344.42	10658265.7	10658183.19	10658111.26	10658041	10657962.24	10657883.27	10657819.53	10657739.71	10657677.39	10657596.68	10657520.63	10657467.25
EASTING	382507.53	382560.22	382612.71	382658.32	382697.65	382729.88	382782.48	382835.21	382873.84	382924.36	382976.35	383029.65	383076.34	383129.53	383186.03	383234.34	383279.05	383332.18	383384.97	383427.47	383479.77	383518.62	383568.8	383622.49	383666.68
POLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-C1	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01
REMARKS									1																
OCS WIRING LAYOUT REF.		J157				J158				Ji	.59			•	J160				J1	61			J1	62	
													•												
STATION	352+84	353+78	354+57	355+23	356+05	356+69	357+38	357+41	357+68	502+12	502+78	502+91	503+23	503+75	504+05	504+17	504+19	505+03	505+33	29+93	19493	9+53	505+52	505+71	506+02
POLE TYPE	P3-28	P1-30	P1-30	P10-32-L	P2-28	P1O-28-L	P2-28	P2-28	P2O-28-L	P3-28	P3-28	P3-30	P2-28	P3-28	P3-28	P2-30	P2-28	P1-28	P1-28	P4-28	P4-28	P4-28	P1-28	P1-28	P4-28-F
OFFSET	44.44	17.33	17.3	17.56	17.38	6.81	27.19	30.61	28.59	29.91	35	68.4	7.27	10.23	27.04	74.58	46.2	10.75	17.98	-0	0	0	8.5	8.17	7
OFFSET DIRECTION	L	R	R	R	R	R	R	L	L	R	R	L	R	R	R	L	R	R	R	13/A	N/A	N/A	R	R	R
FOUNDATION TYPE	A	A	A	В	В	В	Α	А	В	A	A	Α	В	Α	А	Α	Α	A	A	A	A	A	A	A	D
FOUNDATION DEPTH (FT)	14	10	10	10	11	10	11	11	11	16	16	16	12	16	16	12	12	11	11	20	20	207	11	11	20
NORTHING	10657467.25	10657387.7	10657322.01	10657267.31	10657199.06	10657152.48	10657083.43	10657118.79	10657094.42	10654634.45	10654621.19	10654518.04	10654582.41	10654570.64	10654562.06	10654495.67	10654556.33	10654466.43	10654440.76	10654432.86	10654430,21	10654427.15	10654416.99	10654395.71	10654365.22
EASTING	383666.68	383719.55	383763.83	383800.36	383846.56	383890.67	383918.07	383963.87	383980.52	384121.56	384054.42	384069.43	384018.52	383967.23	383926.77	384003.54	383899.07	383885.96	383863.83	383852,5	383838,97	383824.9	383867.52	383867.22	383875.1
POLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-C1	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	138 (11	GR-01	GR-01	GR-01	GR-01	GR-02
REMARKS																									
OCS WIRING LAYOUT REF.	- 11	.62				J163					1		J1	64	•						J1	65			
STATION	10+64	10+97	11+18	11+34	11+52	506+92	507+07	507+34	507+54	507+82	508+41	508+70	508+80	20+42	509+33	10+90	20+63	509+75	509+91	30+52	510+05	510+14	510+42		
POLE TYPE	P4-28	P4-28	P4-28	P4-28	P3-28	P2-28	P4-28	P4-28	P4-28	P4-28	P2-28	P4-28	P4-28	P2-28	P3-28	P2-28	P2-28	P4-28	P3-28	P1-28	P1-28				
OFFSET	16.3	10.19	8.99	8.54	8.05	7.51	7.11	6.52	6.47	6.48	14.1	6.5	6.5	6.94	6.15	7	8.63	6.64	10.18	6.52	11.88	N/A	N/A		
OFFSET DIRECTION	R	R	R	R	R	R	8	n n	R	R	L	R	R	L	L	L	R	R	R	L	R	R	R		
FOUNDATION TYPE	8	A	A	Α	A	A	4	A.	Δ	Α.	A	Α	А	Α	А	Α	Α	Α	А	Α	Α	N/A	N/A		
FOUNDATION DEPTH (FT)	7.0	20	20	20	16	12	20	- 05	20	20	12	20	20	12	16	12	12	20	16	11	11	N/A	N/A		
NORTHING	10654352.26	10654324.79	10654312.2	10654302.7	10654291.57	10654281.28	10654272.69	10554258:09	10554246.18	10654230.45	10654213.61	10654180.04	10654174.32	10654171.66	10654154	10654191.23	10654156.56	10654119.7	10654108.87	10654139.94	10654104.18	N/A	N/A		
EASTING	3//3827.35	383854.45	383872.57	383886.19	383900.4	383915.23	383927.52	383950.18	383967.24	383989.75	384049.86	384061.98	384070.18	384113.97	384121.41	384126.85	384134.09	384148.47	384164	384167.7	384179	N/A	N/A		
POLE GROUND ASSY.	ISR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-DI	GR-01	GR-01	GR-01	GR-C1	GR-01	GR-01	GR-01	GR-03	GR-03									
REMARKS		-																			-	NOTE 4	NOTE 4		
OCS WIRING LAYOUT REF.			•		J165								•	•		J10	66								

- 1. POLE LOCATED OVER BASEMENT, REFER TO SHEET J701.
- 2. OFFSET DIRECTION IS ORIENTED LOOKING IN INCREASING STATION ON THE MAINLINE TRACK WITH THE APPROPRIATE STATIONING.
- POLE OFFSET IS FROM CENTERLINE OF TRACK TO CENTERLINE OF FOUNDATION, AT THE CORRESPONDING STATIONING.
- COLUMN WALL SHALL BE GROUNDED PRIOR TO SYSTEMS INSTALLATION. IF COLUMN WALL IS NOT GROUNDED, COORDINATE INSTALLATION OF A GR-01 ASSEMBLY FOR THESE COLUMNS.
- 5. CONTRACTOR TO VERIFY NORTHING AND EASTING INFORMATION PRIOR TO FOUNDATION INSTALLATION.
- POLES SHALL BE LOCATED USING STATION AND OFFSET. NORTHING AND EASTING IS SUPPLIED FOR INFORMATION ONLY. IF THERE IS A DISCREPENCY BETWEEN THE STATION AND OFFSET AND THE NORTHING AND EASTING CONTACT THE ENGINEER.

NO	DATE	REVISION	APPROVE
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ADDENDUM 2 - JULY 14





TBPE REGISTRATION NO. F-1389



TBPE REGISTRATION NO. F-3162

COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS FOUNDATION SCHEDULE STA. 332+01 TO STA. 510+05





))	_			J093
CONT	SECT	JOB		HIGHWAY
0924	Ø6	446	Vi	ARIOUS
DIST		COUNTY		SHEET NO.
FI PA	12A	FI PAS	0	1006

EASTING

REMARKS

POLE GROUND ASSY.

GR-01

GR-01

GR-01

## **ADDENDUM 2 - JULY 14, 2015**

GR-01

GR-01

383857.22 383875.1

GR-02

GR-01

STATION	332+01	332+96	333+91	334+73	335+44	336+01	336+96	337+91	338+61	339+56	340+46	341+41	342+25	343+20	344+20	345+06	345+90	346+85	347+79	348+56	349+52	350+25	351+20	352+12	352+82
POLE TYPE	P1-28	P1-28	P10-28-L	P1-28	P1O-28-L	P1-28	P1-28	P1O-28	P10-28-L	P1-28	P1-28	P1-28-T	P1-28	P10-28-L	P1-28	P1-28	P1-28	P1-28	P1-28	P10-28-L	P1-28	P10-32-L	P1-28	P2-30	P2-28
OFFSET	7.64	7.81	8.24	8.23	8.22	7.93	8.22	8.34	8.3	11.36	7.86	6.63	7.28	7.71	8.22	8.2	9.08	6.8	6.97	8.14	9.09	12.45	16.46	14.88	15.8
OFFSET DIRECTION	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FOUNDATION TYPE	А	A	В	Α	В	В	Α	Α	В	A	A	В	Α	В	Α	Α	В	A	A	В	A	В	А	A	A
FOUNDATION DEPTH (FT)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11
NORTHING	10659195.27	10659116.23	10659037.04	10658968.9	10658910.16	10658862.53	10658783.65	10658704.64	10658646.96	10658565.98	10658514.59	10658414.18	10658344.42	10658265.7	10658183.19	10658111.26	10658041	10657962.24	10657883.27	10657819.53	10657739.71	10657677.39	10657596.68	10657520.63	10657467.25
EASTING	382507.53	382560.22	382612.71	382658.32	382697.65	382729.88	382782.48	382835.21	382873.84	382924.36	382976.35	383029.65	383076.34	383129.53	383186.03	383234.34	383279.05	383332.18	383384.97	383427.47	383479.77	383518.62	383568.83	383622.49	383666.68
POLE GROUND ASSY.	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02	GR-01	GR-02	GR-01																
REMARKS		1 =																							
OCS WIRING LAYOUT REF.		J157				J158				J1	59				J160				J1	161			J1	62	
STATION	352+84	353+78	354+57	355+23	356+05	356+69	357+38	357+41	357+68	502+12	502+78	502+91	503+23	503+75	504+05	504+17	504+19	505+03	505+33	29+93	19+93	9+93	505+52	505+71	506+02
POLE TYPE	P3-28	P1-30	P1-30	P10-32-L	P2-28	P1O-28-L	P2-28	P2-28	P2O-28-L	P3-28	P3-28	P3-30	P2-28	P3-28	P3-28	P2-30	P2-28	P1-28	P1-28	P4-28	P4-28	P4-28	P1-28	P1-28	P4-28-F
OFFSET	44.44	17.33	17.3	17.56	17.38	6.81	27.19	30.61	28.59	29.91	35	68.4	7.27	10.23	27.04	74.58	46.2	10.75	17.98	0	0	0	8.5	8.17	7
OFFSET DIRECTION	L	R	R	R	R	R	R	L	L	R	R	L	R	R	R	L	R	R	R	N/A	N/A	N/A	R	R	R
FOUNDATION TYPE	A	A	A	В	В	В	Α	Α	В	Α	А	Α	В	Α	Α	A	Α	А	Α	А	Α	A	A	A	D
FOUNDATION DEPTH (FT)	14	10	10	10	11	10	11	11	11	16	16	16	12	16	16	12	12	11	11	20	20	20	11	11	20
NORTHING	10657467.25	10657387.7	10657322.01	10657267.31	10657199.06	10657152.48	10657083.43	10657118.79	10657094.42	10654634.45	10654621.19	10654518.04	10654582.41	10654570.64	10654562.06	10654495.67	10654556.33	10654466.43	10654440.76	10654432.86	10654430.21	10654427.15	10654416.99	10654395.71	10654365.22

38366.68 383719.55 383763.83 383800.36 383846.56 383890.67 383980.57 383963.87 383963.87 383963.87 383963.87 383963.87 383963.87 38385.96 383863.83 383852.5 38388.97 38388.97 38388.97 383887.52

GR-01 GR-02

GR-01

GR-01

GR-01 GR-01

GR-01

GR-01

GR-01

GR-01

OCS WIRING LAYOUT REF.	J1	62				J163							J1	.64						•	J16	i5	
STATION	10+64	10+97	11+18	11+34	11+52	506+92	507+07	507+34	507+54	507+82	508+41	508+70	508+80	20+42	509+33	10+90	20+63	509+75	509+91	30+52	510+05	510+14	510+42
POLE TYPE	P4-28	P4-28	P4-28	P4-28	P3-28	P2-28	P4-28	P4-28	P4-28	P4-28	P2-28	P4-28	P4-28	P2-28	P3-28	P2-28	P2-28	P4-28	P3-28	P1-28	P1-28		
OFFSET	16.3	10.19	8.99	8.54	8.05	7.51	7.11	6.52	6.47	6.48	14.1	6.5	6.5	6.94	6.15	7	8.63	6.64	10.18	6.52	11.88	N/A	N/A
OFFSET DIRECTION	R	R	R	R	R	R	R	R	R	R	L	R	R	L	L	L	R	R	R	L	R	R	R
FOUNDATION TYPE	В	A	A	A	А	Α	Α	Α	A	Α	A	Α	Α	Α	Α	A	A	Α	Α	Α	Α	N/A	N/A
FOUNDATION DEPTH (FT)	20	20	20	20	16	12	20	20	20	20	12	20	20	12	16	12	12	20	16	11	11	N/A	N/A
NORTHING	10654352.26	10654324.79	10654312.2	10654302.7	10654291.57	10654281.28	10654272.69	10654258.09	10654246.18	10654230.45	10654213.61	10654180.04	10654174.32	10654171.66	10654154	10654191.23	10654156.56	10654119.7	10654108.87	10654139.94	10654104.18	N/A	N/A
EASTING	383827.35	383854.45	383872.57	383886.19	383900.4	383915.23	383927.52	383950.18	383967.24	383989.75	384049.86	384061.98	384070.18	384113.97	384121.41	384126.85	384134.09	384148.47	384164	384167.7	384179	N/A	N/A
POLE GROUND ASSY.	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-03	GR-03
REMARKS			1-27-																			NOTE 4	NOTE 4
OCS WIRING LAYOUT REF.					J165											J1	.66						

GR-01

GR-01

GR-01 GR-02

GR-01

GR-01

GR-01

GR-01

#### NOTES:

- 1. POLE LOCATED OVER BASEMENT, REFER TO SHEET J701.
- 2. OFFSET DIRECTION IS ORIENTED LOOKING IN INCREASING STATION ON THE MAINLINE TRACK WITH THE APPROPRIATE STATIONING.
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- 5. CONTRACTOR TO VERIFY NORTHING AND EASTING INFORMATION PRIOR TO FOUNDATION INSTALLATION.
- POLES SHALL BE LOCATED USING STATION AND OFFSET.
  NORTHING AND EASTING IS SUPPLIED FOR INFORMATION
  ONLY. IF THERE IS A DISCREPENCY BETWEEN THE STATION
  AND OFFSET AND THE NORTHING AND EASTING CONTACT
  THE ENGINEER.

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TBPE REGISTRATION NO. F-1389



COEP STREETCAR

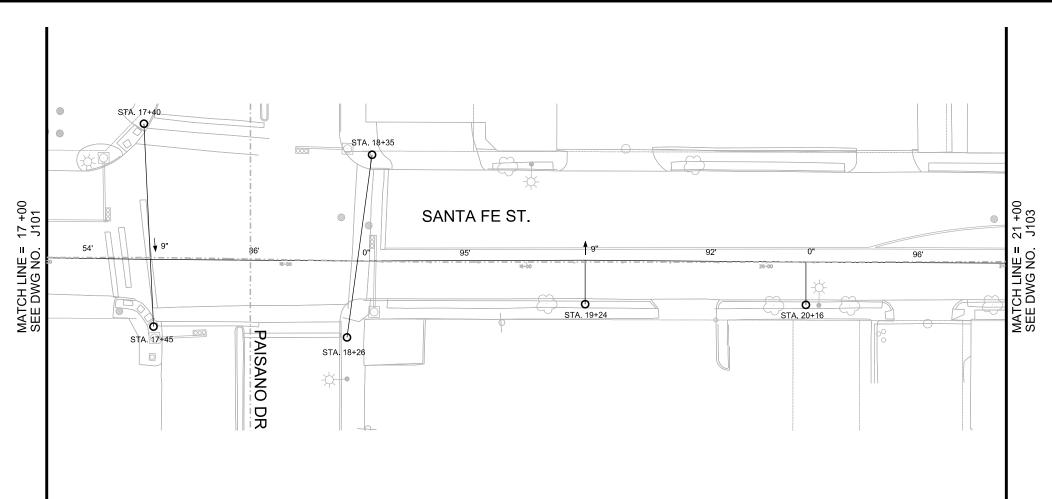
OVERHEAD CONTACT SYSTEM

OCS FOUNDATION SCHEDULE STA. 332+01 TO STA. 510+05 (ALTERNATE)

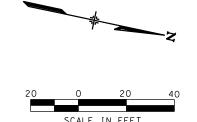




))	_			J093A
CONT	SECT	JOB		HIGHWAY
0924	Ø6	446	Vi	ARIOUS
DIST		COUNTY		SHEET NO.
FI PA	12A	FI PAS	0	10064



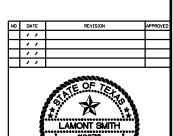
## ADDENDUM 2 - JULY 14, 2015



#### NOTES:

- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
17+40	0	P2O-30	MAINLINE	3	23' 0"		86	9	CS-01	HR-1L	BT-02	SD-01	
17+45	0	P2O-28	MAINLINE	3	23' 0"						BT-02	SD-01	
18+26	0	P2O-28	MAINLINE	3	23' 0"		95	0	CS-01	HR-1L	BT-02	SD-01	
18+35	0	P2O-30	MAINLINE	3	23' 0"						BT-02	SD-01	
19+24	0	P1O-30	MAINLINE	3	22' 3"		92	-9	SCA-O1L		BT-01 (2)	SD-01	
20+16	L, O	P1O-30-L	MAINLINE	3	21' 6"		96	0	SCA-O1L		BT-01 (2)	SD-01	









(915) 493-6468 TBPE REGISTRATION NO. F-3162

## COEP STREETCAR

OVERHEAD CONTACT SYSTEM
OCS WRING LAYOUT PLAN
STA. 17+00 TO STA. 21+00

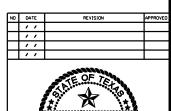




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20	O SCALE	20 IN FEET	40

- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
76+51		P2-30	MAINLINE	3	22' 9"		74	-4	CS-01	HR-1L	BT-02	SD-01	
77+49		P3-30	MAINLINE	3	22' 9"		49	-6	CS-01	HR-1L	BT-02 (2)	SD-01	
77+58	L,O	P2O-28-L	MAINLINE	3	22' 9"						BT-02	SD-01	
78+06		P1-28	MAINLINE	3	22' 6"		95	9	SCA-01L		BT-01 (2)	SD-01	
79+01A		P2-28	MAINLINE	3	21' 6"		83	-9	CS-01	HR-1L	BT-02	SD-01	
79+01B		P2-28	MAINLINE	3	21' 6"						BT-02	SD-01	
79+84A		P2-28	MAINLINE	3	20' 9"		86	0	CS-01	HR-1L	BT-02	SD-01	LA-01
79+84B		P2-28	MAINLINE	3	20' 9"						BT-02	SD-01	











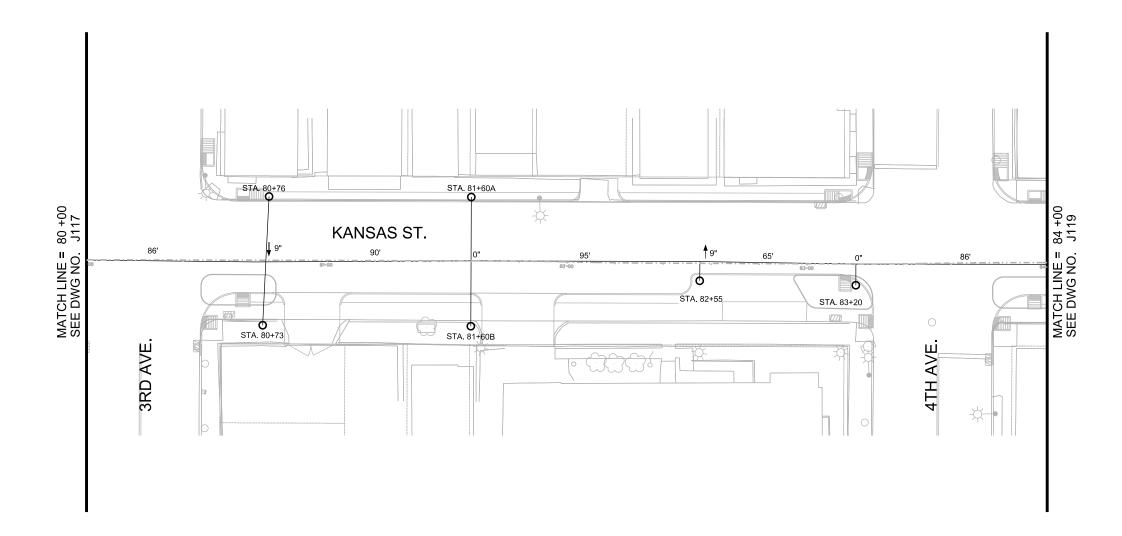
## COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WIRING LAYOUT PLAN STA. 76+20 TO STA. 80+00

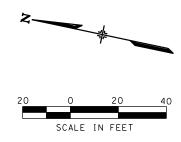




CONT	SECT	JOB		HIGHWAY
924	Ø6	446	٧	ARIOUS
DIST		COUNTY		SHEET NO.
L PA	180	EL PAS	0	1119



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
80+73		P2-28	MAINLINE	3	20' 0"		90	9	CS-01	HR-1L	BT-02	SD-01	
80+76		P2-28	MAINLINE	3	20' 0"						BT-02	SD-01	
81+60A		P2-28	MAINLINE	3	19' 6"		95	0	CS-01	HR-1L	BT-02	SD-01	
81+60B		P2-28	MAINLINE	3	19' 6"						BT-02	SD-01	
82+55	L,O	P10-28-L	MAINLINE	3	19' 6"		65	-9	SCA-01L		BT-01 (2)	SD-01	
83+20	11	P1-28	MAINLINE	3	19' 6"		86	0	SCA-01L		BT-01 (2)	SD-01	
				1 4									
								-					
				4									
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			-	11									



- FOR POLE USE AND POLE TYPE DETAILS REFER
  TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

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TBPE REGISTRATION NO. F-1389



El Paso, Texas 79903 (915) 493-6468 TBPE REGISTRATION NO. F-3162

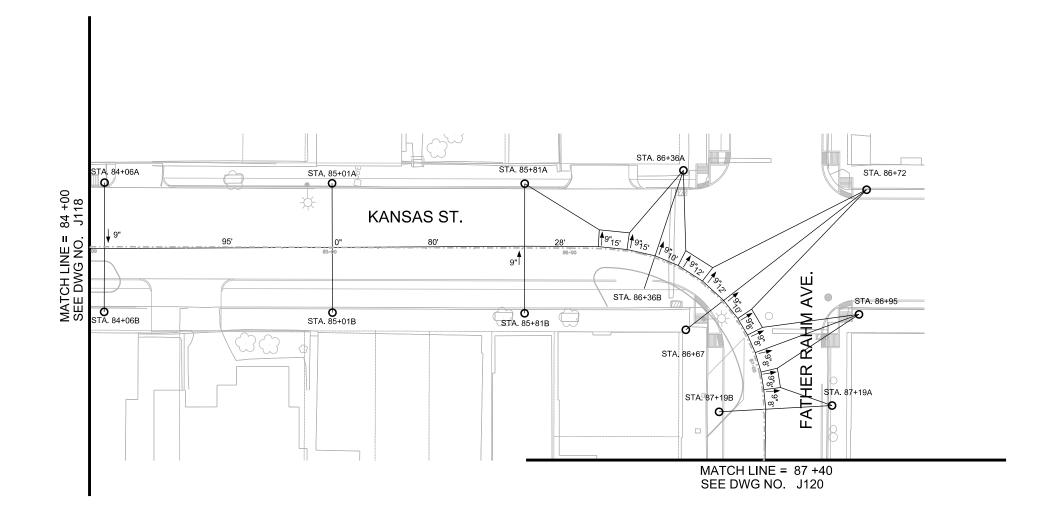
## COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WRING LAYOUT PLAN STA. 80+00 TO STA. 84+00

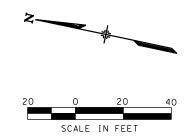




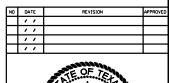
<u></u>	_			J118
CONT	SECT	JOB		HIGHWAY
0924	Ø6	446	٧	ARIOUS
DIST		COUNTY		SHEET NO.
FI P	120	FL PAS	n	1120



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
84+06A		P2-28	MAINLINE	3	19' 6"		95	9	CS-01	HR-1L	BT-02	SD-01	
84+06B	L,O	P2O-28-L	MAINLINE	3	19' 6"						BT-02	SD-01	
85+01A		P2-28	MAINLINE	3	19' 6"		80	0	CS-01	HR-1L	BT-02	SD-01	
85+01B		P2-28	MAINLINE	3	19' 6"						BT-02	SD-01	
85+81A		P3-28	MAINLINE	3	19' 6"					SEE DWG J119A			
85+81B		P2-28	MAINLINE	3	19' 6"					SEE DWG J119A			
86+36A		P3-28	MAINLINE	3	19' 6"					SEE DWG J119A			
86+36B		P2-28	MAINLINE	3	19' 6"					SEE DWG J119A			
86+67	L,O	P2O-28-L	MAINLINE	3	19' 6"					SEE DWG J119A			
86+72	1.5	P4-28	MAINLINE	3	19' 6"					SEE DWG J119A			
86+95		P3-28	MAINLINE	3	19' 6"					SEE DWG J119A			
87+19A	11	P3-28	MAINLINE	3	19' 6"					SEE DWG J119A			
87+19B	7	P2-28	MAINLINE	3	19' 6"					SEE DWG J119A			



- 1. FOR POLE USE AND POLE TYPE DETAILS REFER TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.











### COEP STREETCAR

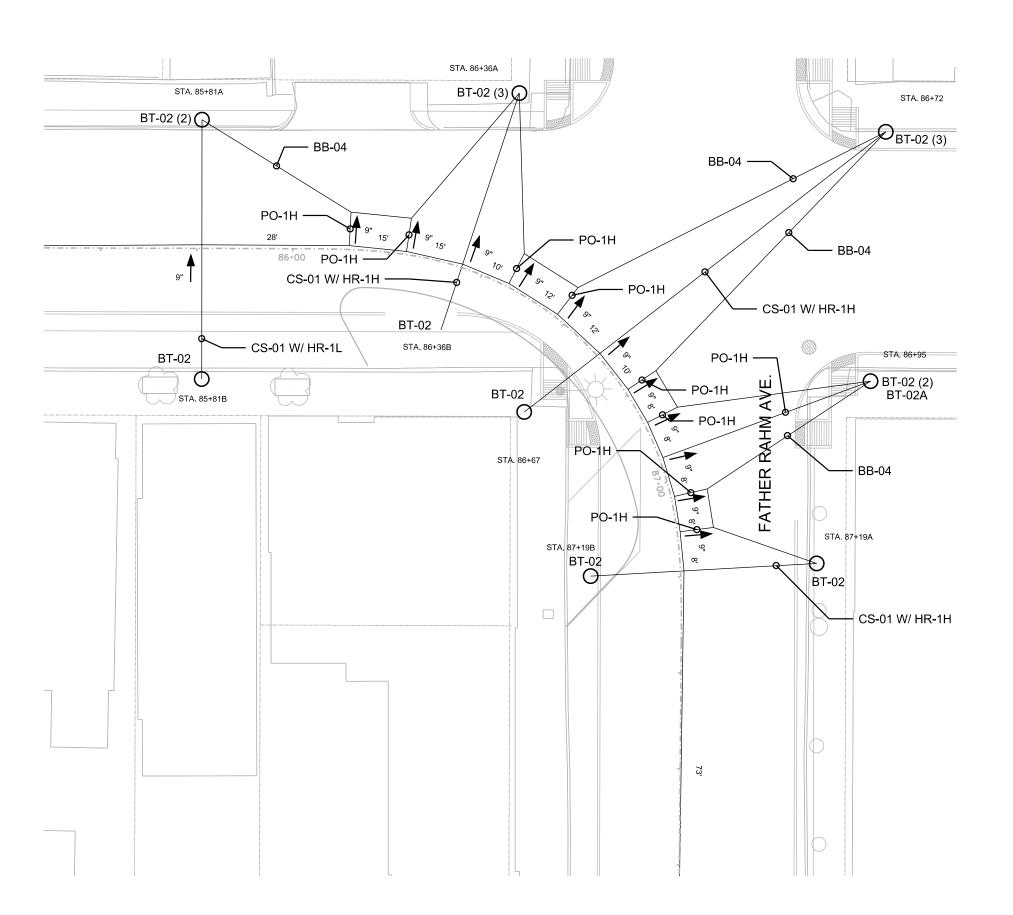
OVERHEAD CONTACT SYSTEM OCS WRING LAYOUT PLAN STA. 84+00 TO STA. 87+40

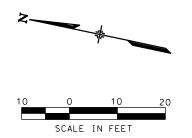


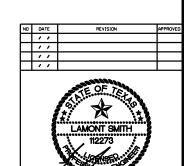


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## ADDENDUM 2 - JULY 14, 2015







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TBPE REGISTRATION NO. F-1389

URS 2829 Montana S El Paso, Texas (915) 493-6468

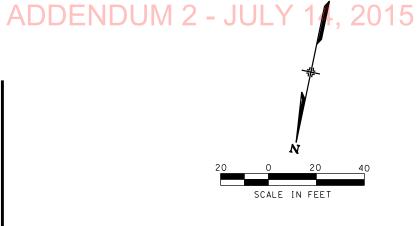
## COEP STREETCAR

OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
INTERSECTION OF KANSAS ST.
AND FATHER RAHM AVE.





STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
87+72A		P2-28	MAINLINE	3	19' 6"		94	0	CS-01	HR-1L	BT-02	SD-01	
87+72B		P2-28	MAINLINE	3	19' 6"						BT-02	SD-01	
88+86		P1-28	MAINLINE	3	19' 6"		53	9	SCA-01L		BT-01 (2)	SD-01	
89+40	L,O	P10-28-L	MAINLINE	3	19' 6"		95	0	SCA-01L		BT-01 (2)	SD-01	
90+35A		P2-28	MAINLINE	3	19' 6"		72	-9	CS-01	HR-1L	BT-02	SD-01	
90+35B		P2-28	MAINLINE	3	19' 6"						BT-02	SD-01	



- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

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El Paso, Texas 79 (915) 493-6468

TBPE REGISTRATION NO. F-3162

## COEP STREETCAR

OVERHEAD CONTACT SYSTEM
OCS WRING LAYOUT PLAN
STA. 87+40 TO STA. 91+00





ALLEY

	ADDENDUM 2 - JULY 14, 2018
	, N
_	20 0 20 40 SCALE IN FEET

#### NOTES:

y9" y9" NATCH LINE = STA. 94+91

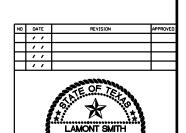
ALLEY

**O** STA. 94+11

- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
91+07A	11111	P2-28	MAINLINE	3	19' 6"		71	0	CS-01	HR-1L	BT-02	SD-01	
91+07B	77.	P2-28	MAINLINE	3	19' 6"						BT-02	SD-01	
91+78A	11 = 1	P2-28	MAINLINE	3	19' 6"		92	9	CS-01	HR-1L	BT-02	SD-01	
91+78B	1	P2-28	MAINLINE	3	19' 6"						BT-02	SD-01	
92+69		P1-28	MAINLINE	3	19' 6"		85	0	SCA-01L		BT-01 (2)	SD-01	
93+55		P1-28	MAINLINE	3	19' 6"		56	-9	SCA-01L		BT-01 (2)	SD-01	LA-01
94+11		P1-28	MAINLINE	3	19' 6"		80	0	SCA-01L		BT-01 (2)	SD-01	
94+91	L,O	P10-28-L	MAINLINE	3	19' 6"		95	9	SCA-01L		BT-01 (2)	SD-01	
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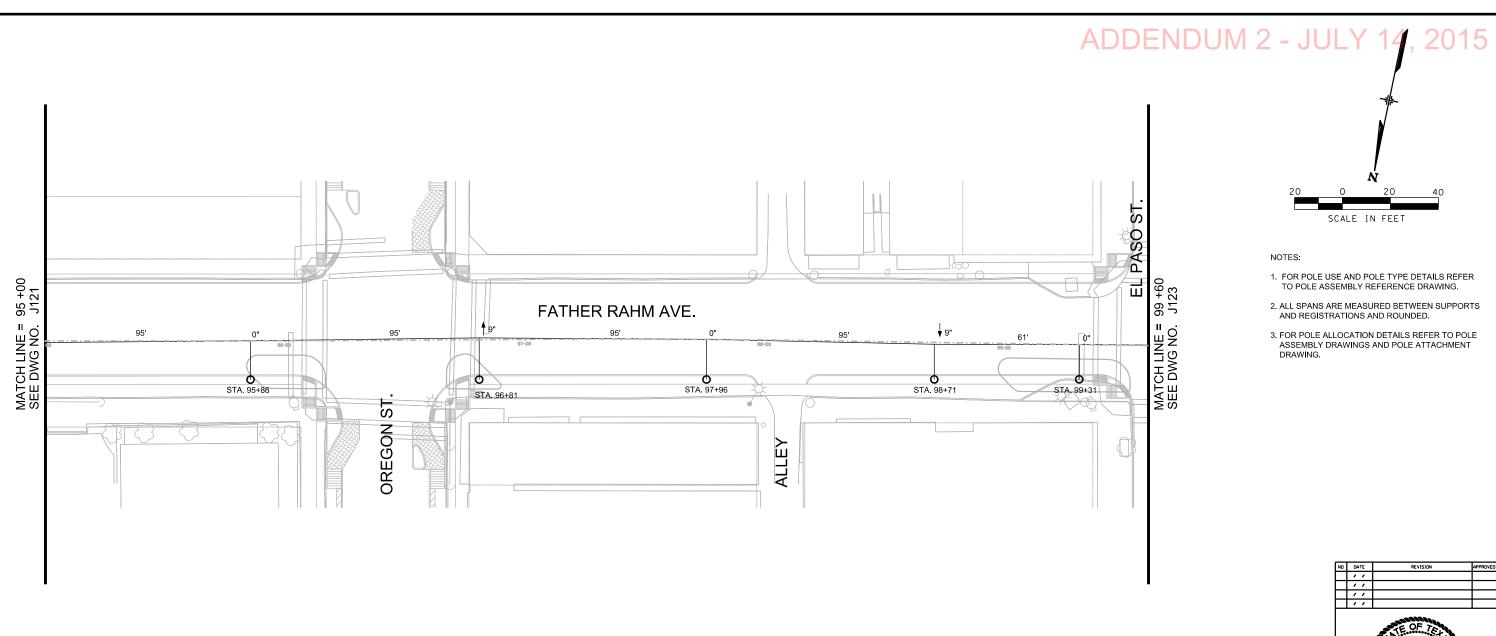
(915) 493-6468

## COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WRING LAYOUT PLAN STA. 91+00 TO STA. 95+00







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	SCALE	IN FEET	
NOTES:			
FOR POLE	LISE AND	POLE TYPE	DETAILS REFER

- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

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TBPE REGISTRATION NO. F-1389



TBPE REGISTRATION NO. F-3162

### COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WIRING LAYOUT PLAN STA, 95+00 TO STA, 99+60

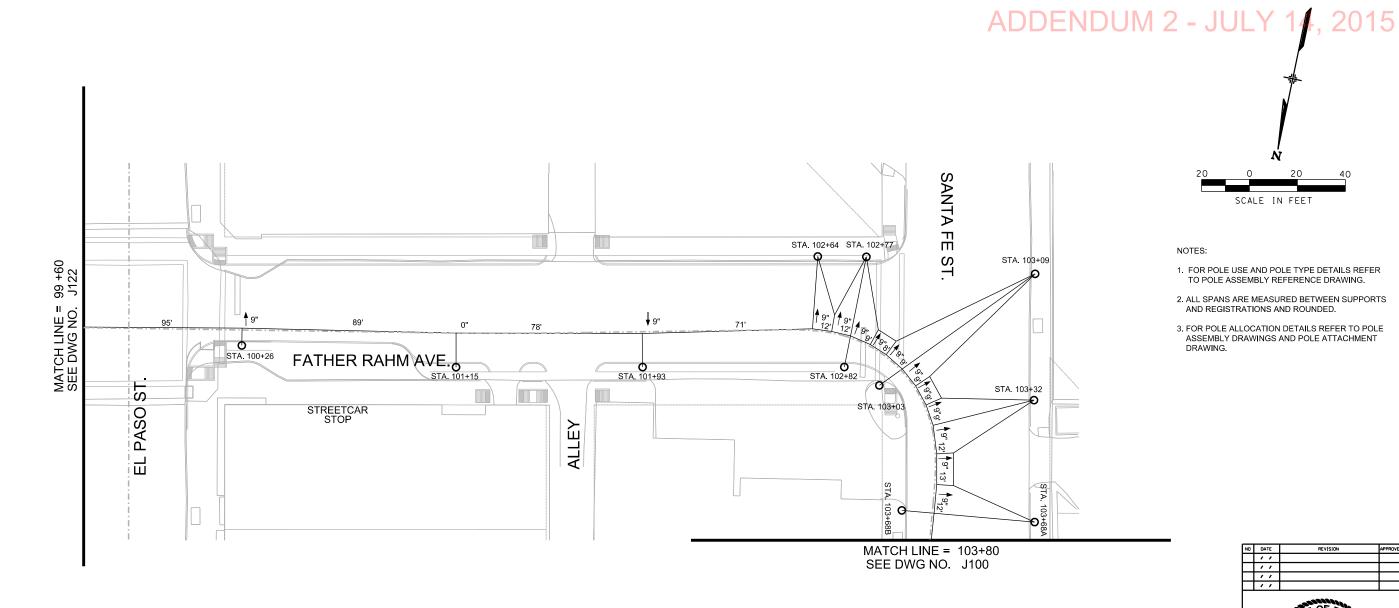




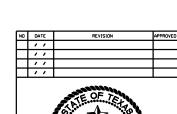
HIGHWAY 446 VARIOUS COUNTY EL PASO EL PASO

STATION	USE	POLETIPE	
95+86	L,O	P10-28-L	
96+81		P1-28	j
97+96		P1-28	
98+71	L,O	P10-28-L	
99+31		P1-28	ĺ
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STATION	POLE	POLE TYPE	REFERENCE TRACK	NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
95+86	L,O	P10-28-L	MAINLINE	3	19' 6"		95	0	SCA-01L		BT-01 (2)	SD-01	
96+81		P1-28	MAINLINE	3	19' 6"		95	-9	SCA-01L		BT-01 (2)	SD-01	
97+96		P1-28	MAINLINE	3	19' 6"		95	0	SCA-01L		BT-01 (2)	SD-01	
98+71	L,O	P10-28-L	MAINLINE	3	19' 6"		61	9	SCA-01L		BT-01 (2)	SD-01	
99+31		P1-28	MAINLINE	3	19' 6"		95	0	SCA-01L		BT-01 (2)	SD-01	
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STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
100+26	L,O	P10-28-L	MAINLINE	3	19' 6"		89	-9	SCA-01L		BT-01 (2)	SD-01	
101+15	1	P1-28	MAINLINE	3	19' 6"		78	0	SCA-01L		BT-01 (2)	SD-01	
101+93	L,O	P10-28-L	MAINLINE	3	19' 6"		71	9	SCA-01L		BT-01 (2)	SD-01	
102+64	111	P3-28	MAINLINE	3	19' 6"		11 -			SEE D'	WG J123A		
102+77		P3-28	MAINLINE	3	19' 6"					SEE D'	WG J123A		
102+82		P2-28	MAINLINE	3	19' 6"					SEE D'	WG J123A		
103+03		P2-28	MAINLINE	3	19' 6"					SEE D'	WG J123A		
103+09		P4-28	MAINLINE	3	19' 6"					SEE D'	WG J123A		
103+32		P3-28	MAINLINE	3	19' 6"					SEE D'	WG J123A		
103+68A		P3-28	MAINLINE	3	19' 6"					SEE D'	WG J123A		
103+68B	0	P2O-28	MAINLINE	3	19' 6"					SEE D'	WG J123A		



SCALE IN FEET





TBPE REGISTRATION NO. F-1389



TBPE REGISTRATION NO. F-3162

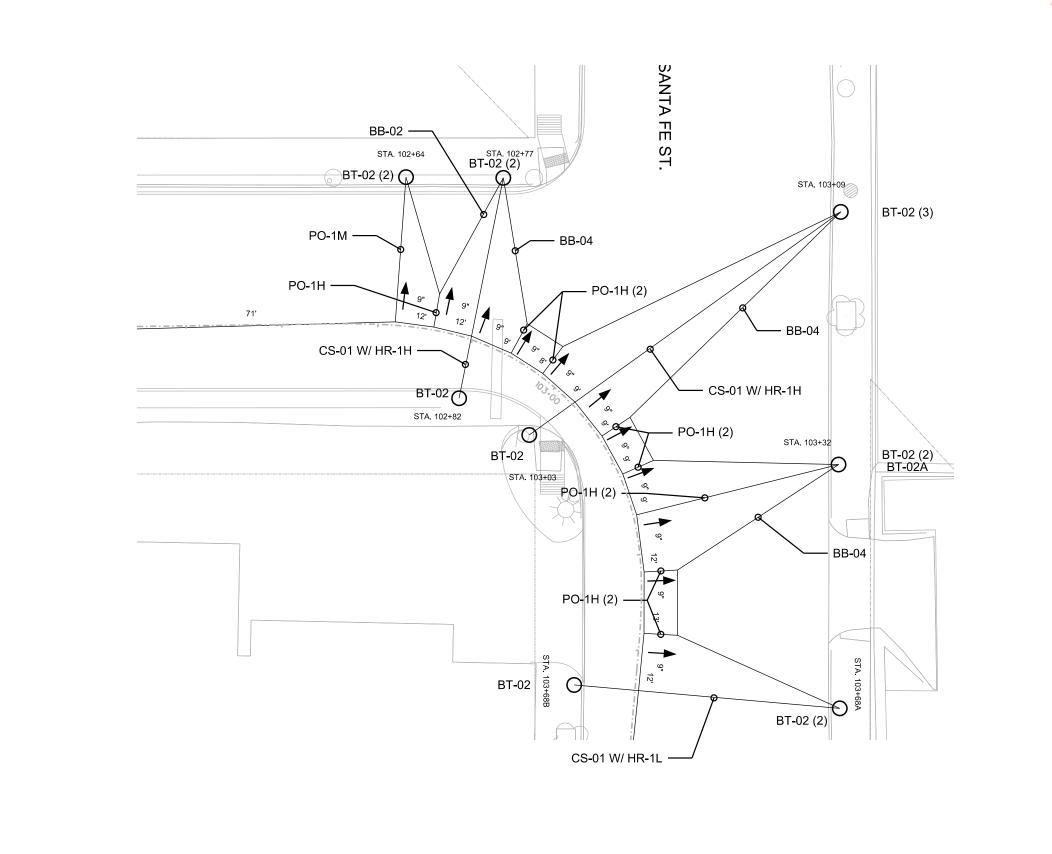
## COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WIRING LAYOUT PLAN STA, 99+60 TO STA, 103+80





HIGHWAY 0924 06 446 VARIOUS COUNTY EL PASO EL PASO





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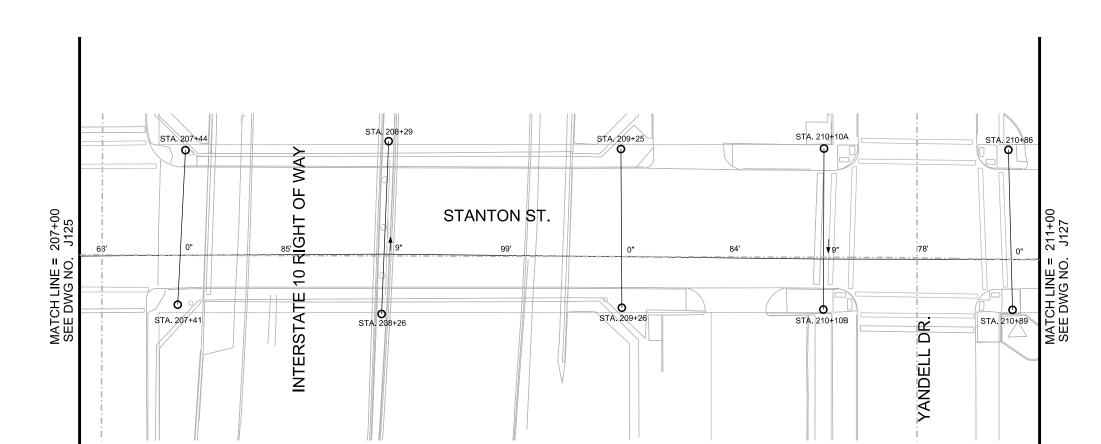
### COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WIRING LAYOUT PLAN INTERSECTION OF FATHER RAHM AVE. AND SANTA FE ST.

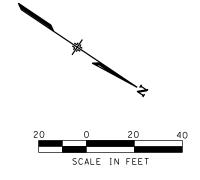




HIGHWAY 446 0924 06 VARIOUS COUNTY EL PASO EL PASO



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
207+41	T	P2-28-T	MAINLINE	6	23' 0"		85	0	CS-01	HR-1L	BT-02	SD-01	
207+44		P2-30	MAINLINE	6	23' 0"						BT-02	SD-01	
208+26		P2-28	MAINLINE	6	23' 0"	1	99	-9	CS-01	HR-1L	BT-02	SD-01	
208+29		P2-30	MAINLINE	6	23' 0"						BT-02	SD-01	
209+25		P2-30	MAINLINE	6	23' 0"		84	0	CS-01	HR-1L	BT-02	SD-01	
209+26	1 = 1	P2-28	MAINLINE	6	23' 0"						BT-02	SD-01	
210+10A		P2-30	MAINLINE	6	22' 6"		78	9	CS-01	HR-1L	BT-02	SD-01	
210+10B		P2-28	MAINLINE	6	22' 6"						BT-02	SD-01	
210+86		P2-30	MAINLINE	6	22' 0"		91	0	CS-01	HR-1L	BT-02	SD-01	
210+89		P2-28	MAINLINE	6	22' 0"	1					BT-02	SD-01	
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- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

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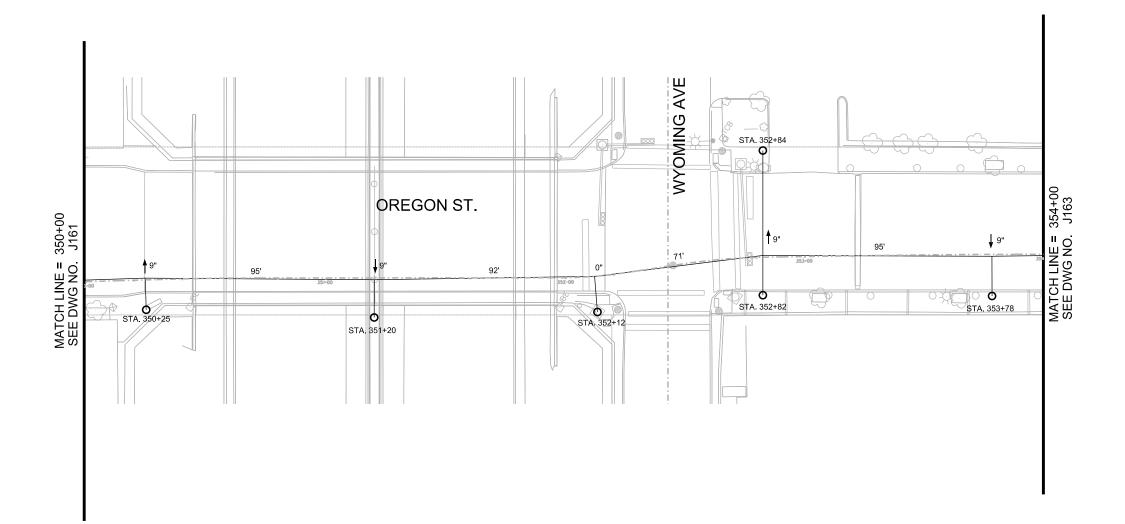
26.29 Montaina Suite 20 El Paso, Texas 79903 (915) 493-6468 TBPE REGISTRATION NO. F-3162

## COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WRING LAYOUT PLAN STA. 207+00 TO STA. 211+00







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- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.

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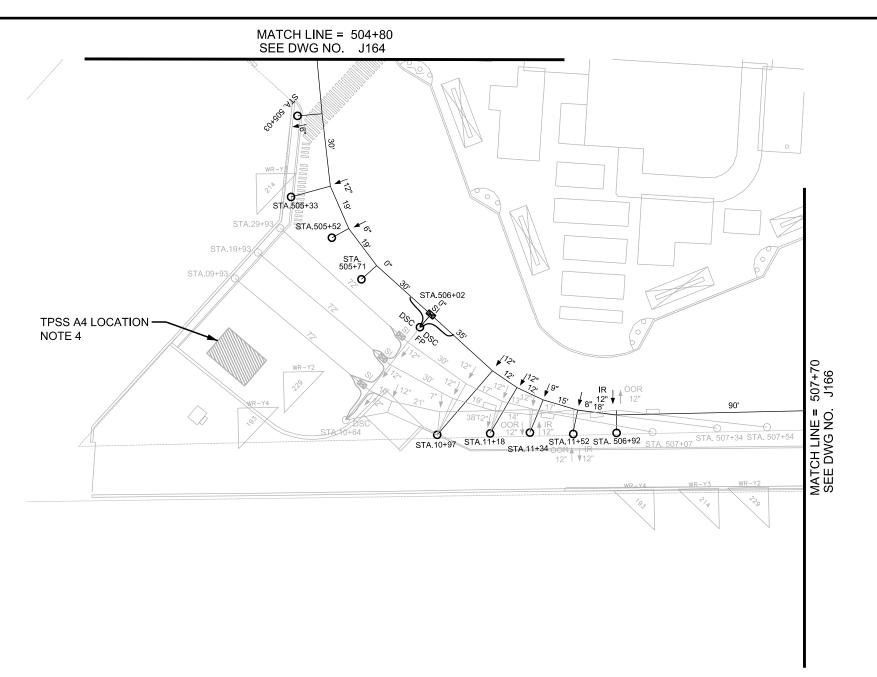
OVERHEAD CONTACT SYSTEM OCS WIRING LAYOUT PLAN STA. 350+00 TO STA. 354+00



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STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
350+25	L,O	P1O-32-L	MAINLINE	6	21' 1"		95	-9	SCA-07M		BT-01 (2)	SD-01	
351+20	1	P1-28	MAINLINE	6	22' 3"		92	9	SCA-01L		BT-01 (2)	SD-01	
352+12		P2-30	MAINLINE	6	22' 9"		71	0	SCA-01M	/	BT-01 (2)	SD-01	
352+82		P2-28	MAINLINE	6	22' 9"		95	-9	CS-01	HR-1H	BT-02	SD-01	
352+84		P3-28	MAINLINE	6	22' 9"						BT-02	SD-01	
353+78		P1-30	MAINLINE	6	22' 0"		79	9	SCA-01L		BT-01 (2)	SD-01	
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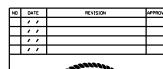


ADDENDUM 2 - JULY 14, 2015

#### NOTES:

- FOR POLE USE AND POLE TYPE DETAILS REFER
   TO POLE ASSEMBLY REFERENCE DRAWING.
- ALL SPANS ARE MEASURED BETWEEN SUPPORTS
   AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.
- 4. FOR TPSS SITE LOCATION DETAILS SEE VOL. 3 TRACTION POWER PLANS.

STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
505+03		P1-28	MAINLINE	Y1	19' 6"		30	6	SCA-01L		BT-01 (2)	SD-01	
505+33		P1-28	MAINLINE	Y1	19' 6"		19	12	SCA-01M		BT-01 (2)	SD-01	
29+93		P4-28	STORAGE			20'0"	7.2				BT-02	SD-01	FT-01, SI-01
19+93		P4-28	STORAGE			20' 0"	72				BT-02	SD-01	FT-01, SI-01
09#93	1	P4-28	STORAGE			20' 0"	72			- 11	BT-02	SD-01	FT-01, SI-01
505+52		P1-28	MAINLINE	Y1	19' 6"		19	6	SCA-01H		BT-01 (2)	SD-01	
505+71		P1-28	MAINLINE	Y1	19' 6"		30	0	SCA-01H		BT-01 (2)	SD-01	
506+02	F	P4-28-F	MAINLINE	Y4,Y3,Y2,Y1	ALL 19' 0"		35	Y1, 0	SCA-05		BT-01 (2)	SD-01, FC-01 (2)	SI-01, DS-01 (2), LA-01 (2), AF-01
								Y2,Y3,Y4 12					
10+64		P4-28	STORAGE	Y4,Y3,Y2	ALL 19' 0"		- 81	ALL 12	HS-03	HR-1H (3)	BT-02 (2)	SD-01	BB-02, PO-1H, DS-02, FC-01 (2), LA-01 (2)
10+97		P4-28	STORAGE	Y4,Y3,Y2,Y1	ALL 19' 0"		38	SEE J165A	SCA-01H	PO-1H (3)	BT-01(2)	BT-02A (3), BT-02	SD-01
11+18		P4-28	STORAGE	Y3,Y2,Y1	ALL 19' 0"		14	SEE J165A		PO-1H (3)		SD-01, BT-02A (3)	CC-01, JC-01
11+34		P4-28	STORAGE	Y4,Y3,Y2,Y1	ALL 19' 0"		17	SEE J165A	5CA-04HA	PO-1H (2)	BT-01 (2)	SD-01, BT-02A [2]	
11+52		P3-28	STORAGE	Y3, Y2, Y1	19' 1", 19' 0"		18	SEE J165A	SCA-04HA	PO-1H	BT-01 (2)	SD-01, BT-02A	CC-01, JC-01; Y1 WIRE HEIGHT 18' 0"
506+92		P2-28	MAINLINE	Y2, Y1	19' 1", 19' 0"		90	OOR -12,IR 12	SCA-01H		BT-01 (2)	SD-01	CC-01, JC-01
507+07		P4-28	MAINLINE			20' 0"				- 11	BT-02	SD-01	FT-01
507+34		P4-28	MAINLINE			20' 0"					BT-0Z	SD-01	FT-01
507+54		P4-28	MAINLINE			20'0"					BT-02	SD-01	FT-01







TBPE REGISTRATION NO. F-1389

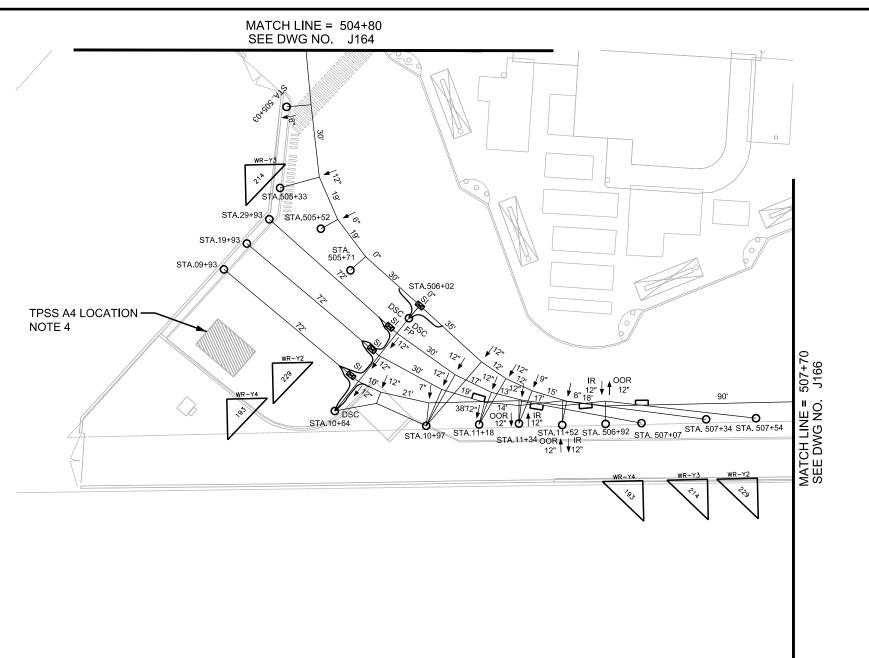
El Paso, Texas (915) 493-6468 TBPE REGISTRATION NO. F-3162

## COEP STREETCAR

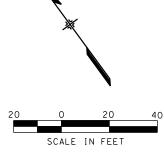
OVERHEAD CONTACT SYSTEM OCS WIRING LAYOUT PLAN STA. 504+80 TO STA. 507+70







ADDENDUM 2 - &ULY 14, 2015



#### NOTES:

- 1. FOR POLE USE AND POLE TYPE DETAILS REFER TO POLE ASSEMBLY REFERENCE DRAWING.
- 2. ALL SPANS ARE MEASURED BETWEEN SUPPORTS AND REGISTRATIONS AND ROUNDED.
- 3. FOR POLE ALLOCATION DETAILS REFER TO POLE ASSEMBLY DRAWINGS AND POLE ATTACHMENT DRAWING.
- 4. FOR TPSS SITE LOCATION DETAILS SEE VOL. 3 TRACTION POWER PLANS.

STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FTIN.)	TERMINATION HT. (FTIN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
505+03		P1-28	MAINLINE	Y1	19' 6"		30	6	SCA-01L		BT-01 (2)	SD-01	
505+33		P1-28	MAINLINE	Y1	19' 6"		19	12	SCA-01M		BT-01 (2)	SD-01	
29+93		P4-28	STORAGE			20' 0"	72				BT-02	SD-01	FT-01, SI-01
19+93		P4-28	STORAGE	1		20' 0"	72				BT-02	SD-01	FT-01, SI-01
09+93	1	P4-28	STORAGE			20' 0"	72				BT-02	SD-01	FT-01, SI-01
505+52	7	P1-28	MAINLINE	Y1	19' 6"		19	6	SCA-01H		BT-01 (2)	SD-01	
505+71		P1-28	MAINLINE	Y1	19' 6"		30	0	SCA-01H		BT-01 (2)	SD-01	
506+02	F	P4-28-F	MAINLINE	Y4,Y3,Y2,Y1	ALL 19' 0"		35	Y1, 0	SCA-05		BT-01 (2)	SD-01, FC-01 (2)	SI-01, DS-01 (2), LA-01 (2), AF-01
				11,27,21		_		Y2,Y3,Y4 12					
10+64		P4-28	STORAGE	Y4,Y3,Y2	ALL 19' 0"		31	ALL 12	HS-03	HR-1H (3)	BT-02 (2)	SD-01	BB-02, PO-1H, DS-02, FC-01 (2), LA-01 (2)
10+97		P4-28	STORAGE	Y4,Y3,Y2,Y1	ALL 19' 0"		38	SEE J165A	SCA-01H	PO-1H (3)	BT-01 (2)	BT-02A (3), BT-02	SD-01
11+18		P4-28	STORAGE	Y3,Y2,Y1	ALL 19' 0"		14	SEE J165A		PO-1H (3)		SD-01, BT-02A (3)	CC-01, JC-01
11+34		P4-28	STORAGE	Y4,Y3,Y2,Y1	ALL 19' 0"		17	SEE J165A	SCA-04HA	PO-1H (2)	BT-01 (2)	SD-01, BT-02A (2)	
11+52		P3-28	STORAGE	Y3, Y2, Y1	19' 1", 19' 0"		18	SEE J165A	SCA-04HA	PO-1H	BT-01 (2)	SD-01, BT-02A	CC-01, JC-01; Y1 WIRE HEIGHT 18' 0"
506+92		P2-28	MAINLINE	Y2, Y1	19' 1", 19' 0"	T	90	OOR -12,IR 12	SCA-04HA		BT-01 (2)	SD-01	CC-01, JC-01
507+07		P4-28	MAINLINE			20' 0"					BT-02	SD-01	FT-01
507+34		P4-28	MAINLINE			20' 0"					BT-02	SD-01	FT-01
507+54		P4-28	MAINLINE			20' 0"			_	_	BT-02	SD-01	FT-01

NO	DATE	REVISION	APPROV
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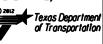


TBPE REGISTRATION NO. F-3162

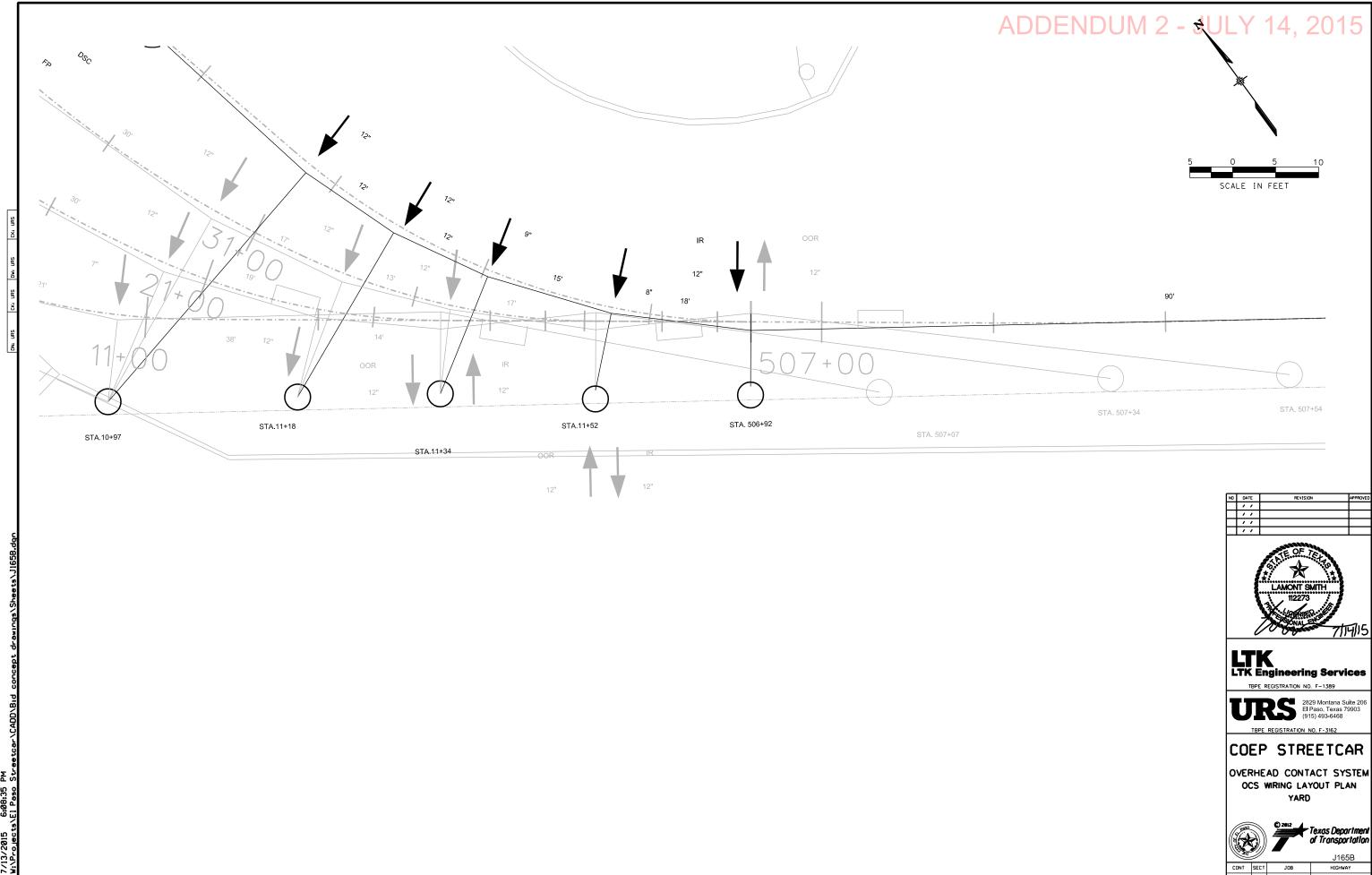
## COEP STREETCAR

OVERHEAD CONTACT SYSTEM OCS WIRING LAYOUT PLAN STA. 504+80 TO STA. 507+70 (ALTERNATE)



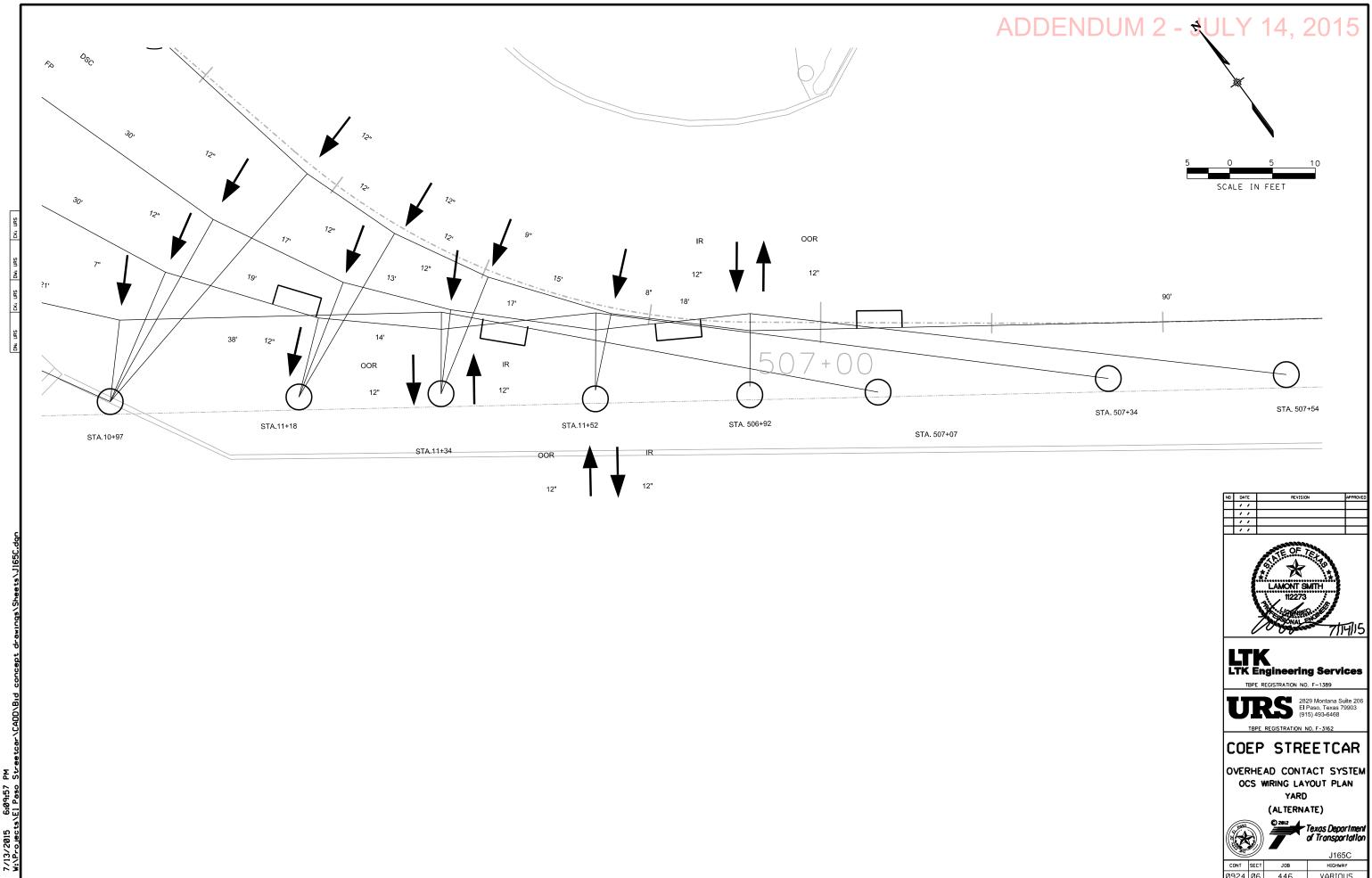


HIGHWAY 446 VARIOUS 0924 06 COUNTY EL PASO EL PASO



HIGHWAY

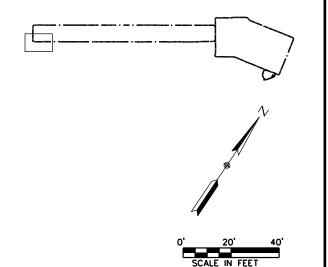
0924 06 446 VARIOUS DIST COUNTY SHEET NO.
EL PASO EL PASO 1173

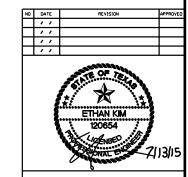


<u></u>	_			J165C			
CONT	SECT	JOB	JOB HIGHWAY				
0924	Ø6	446	VARIOUS				
DIST		COUNTY		SHEET NO.			
EL PA	4S0	EL PAS	0	1173A			

# ADDENDUM 2 - JULY 14, 2015

- 1. REFER TO THE SPECIFICATIONS FOR INSTALLATION DETAIL OF POSITIVE AND NEGATIVE CABLES IN DUCTBANKS AND MANHOLES.
- 2. REFER TO J611 AND J628 FOR CONDUIT STUB UP DETAIL AT THE SUBSTATION.
- 3. REFER TO OCS FOUNDATION DETAILS FOR CONDUIT STUB UP.
- 4. COORDINATE WITH EPE AND PROVIDE CONDUIT FROM TPSS CT CABINET TO EPE
- 5. PROVIDE CONDUIT FROM HANDHOLE TO FEEDER POLE PER DRAWING J245.







TBPE REGISTRATION NO. F-1389



TBPE REGISTRATION NO. F-3162

## COEP STREETCAR

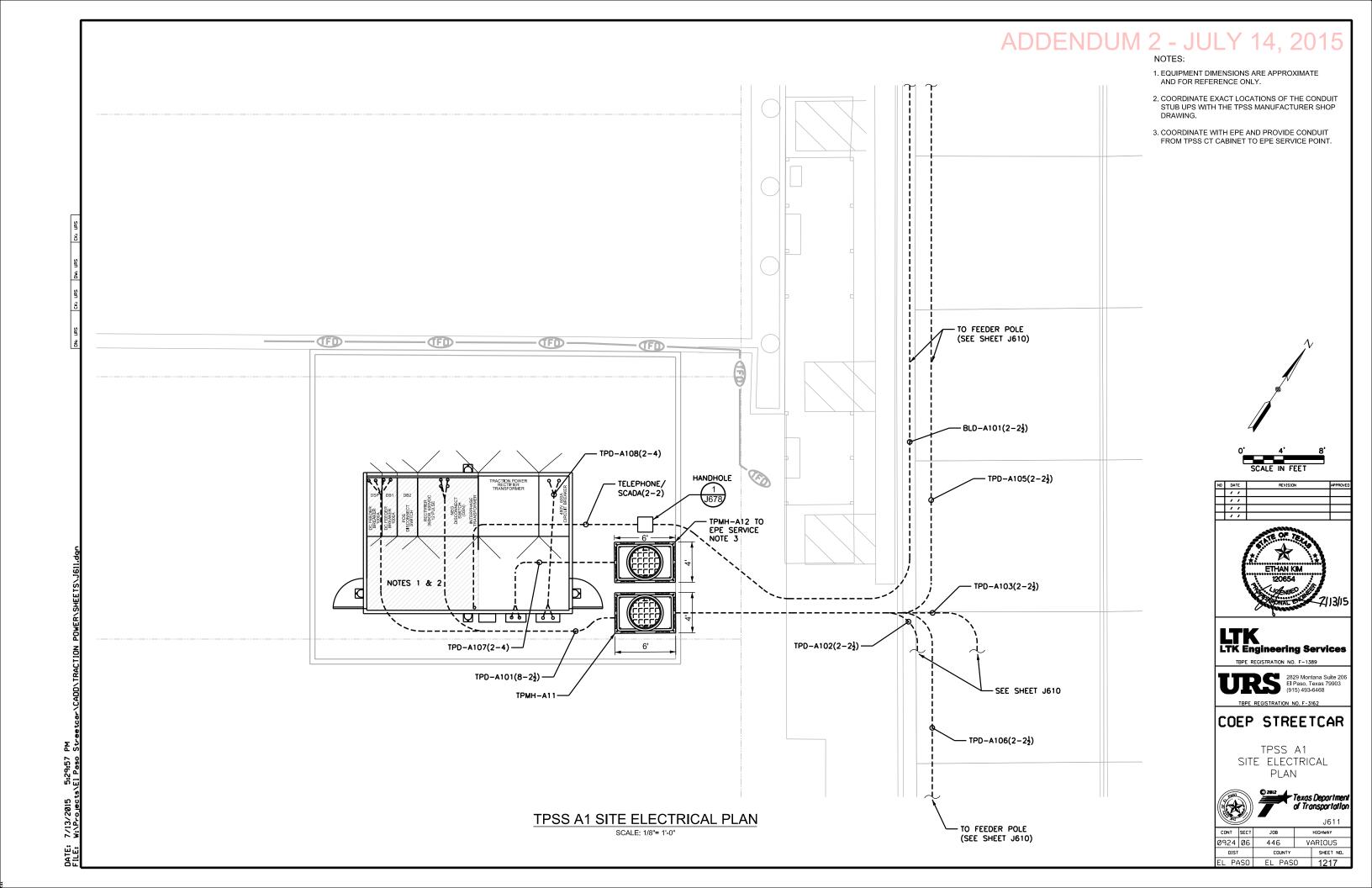
TPSS A1 CONDUIT LAYOUT PLAN

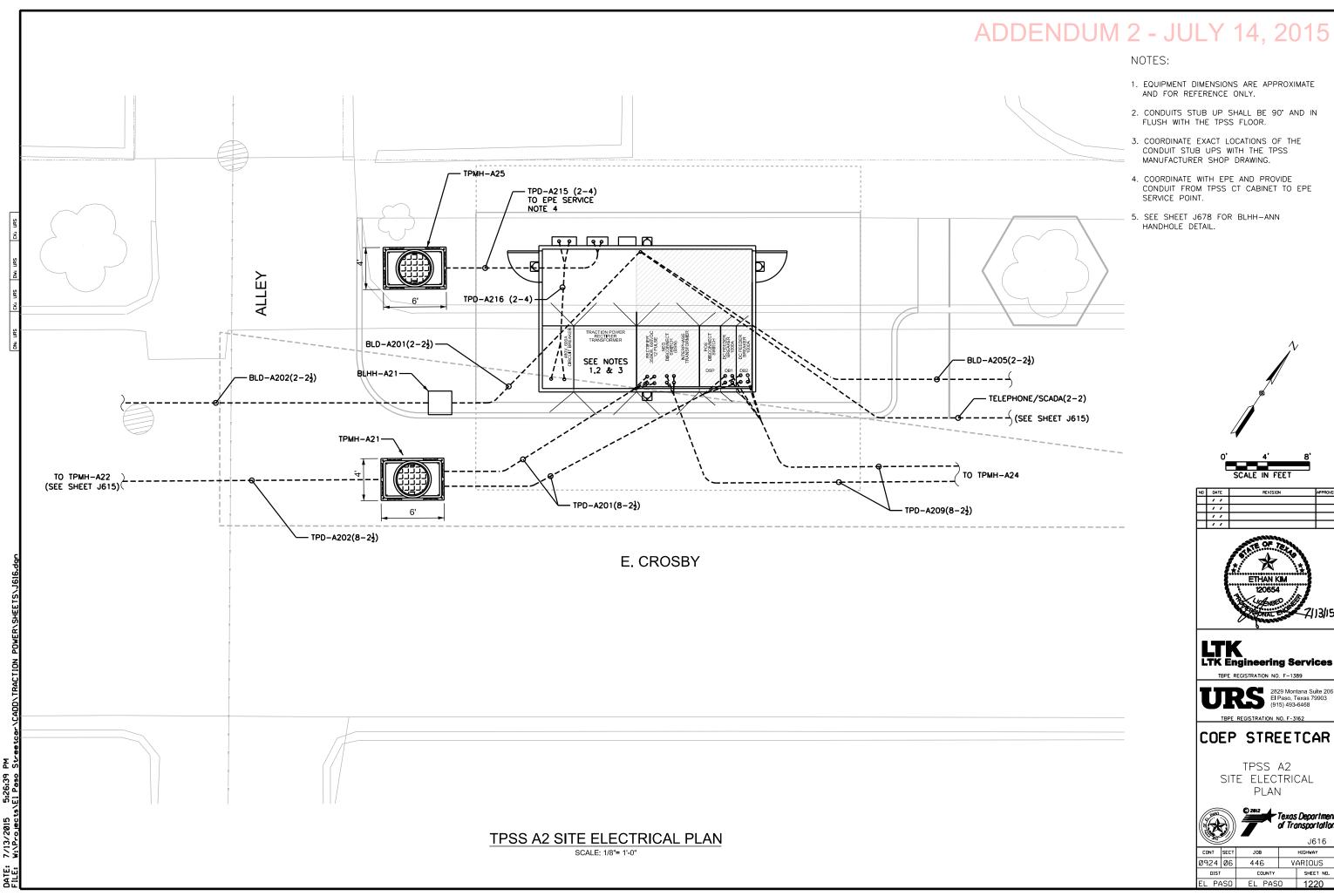




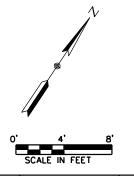
HIGHWAY VARIOUS 0924 06 446 COUNTY EL PASO EL PASO

SCALE: 1:20





- 1. EQUIPMENT DIMENSIONS ARE APPROXIMATE
- 2. CONDUITS STUB UP SHALL BE 90° AND IN FLUSH WITH THE TPSS FLOOR.
- 3. COORDINATE EXACT LOCATIONS OF THE CONDUIT STUB UPS WITH THE TPSS MANUFACTURER SHOP DRAWING.
- 4. COORDINATE WITH EPE AND PROVIDE CONDUIT FROM TPSS CT CABINET TO EPE SERVICE POINT.
- 5. SEE SHEET J678 FOR BLHH-ANN HANDHOLE DETAIL.



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		ETHAN KM	







## COEP STREETCAR

TPSS A2 SITE ELECTRICAL PLAN





HIGHWAY VARIOUS 0924 06 446 COUNTY EL PASO EL PASO

