

INDEX OF SHEETS

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

CAMINO REAL REGIONAL MOBILITY AUTHORITY

PLANS OF PROPOSED
URBAN STREETCAR

PROJECT NO. ()

CITY OF EL PASO STREETCAR
EL PASO COUNTY

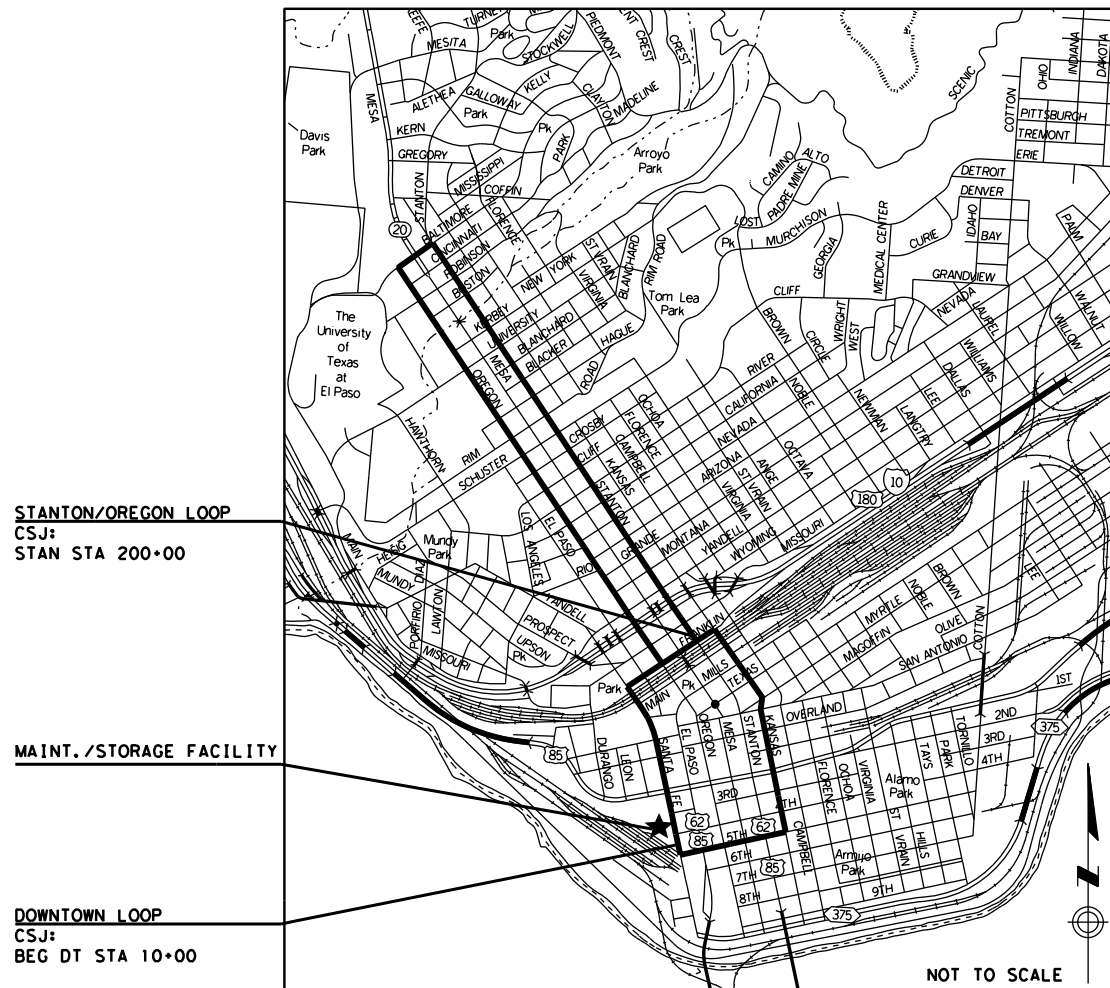
VOLUME 3 OF 4 - SYSTEMS

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

REGISTERED ACCESSIBILITY SPECIALIST (RAS)
INSPECTION REQUIRED
TDLR No.

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

COUNTY _____ PROJ. NO. _____
HWY. NO. _____ LETTING DATE _____
DATE ACCEPTED _____



STANTON/OREGON LOOP
CSJ:
STAN STA 200+00

MAINT./STORAGE FACILITY

DOWNTOWN LOOP
CSJ:
BEG DT STA 10+00

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.

STATE PROJECT NO. ()			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1074	

FINAL PLANS

LETTING DATE: _____

DATE CONTRACTOR BEGAN WORK: _____

DATE WORK WAS COMPLETED & ACCEPTED: _____

FINAL CONTRACT COST: \$ _____

CONTRACTOR : _____

URS

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

TBPE REGISTRATION NO. F-3162



SUBMITTED FOR LETTING: _____

PROJECT MANAGER
CAMINO REAL REGIONAL MOBILITY AUTHORITY

PROJECT NO. ()

APPROVED FOR LETTING: _____

DIRECTOR, BRIDGE DIVISION

RECOMMENDED FOR LETTING: _____

APPROVED FOR LETTING: _____

DISTRICT DIRECTOR OF TRANSPORTATION
PLANNING AND DEVELOPMENT

DIRECTOR, TRAFFIC OPERATIONS DIVISION

RECOMMENDED FOR LETTING: _____

APPROVED FOR LETTING: _____

DISTRICT ENGINEER

DIRECTOR, DESIGN DIVISION

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		
POLE TYPE	P3-28	P3-28	P4-28	P4-28-L		P3-28	P3-28	P4-28-L	P20-28	P20-28	P4-28	P4-28	P20-28-L	P3-28	P3-28	P3-28	P3-28	P3-28	P4-30	P4-28	P20-30	P20-30	P20-30	P20-30	P20-28	P20-28	P20-30	P10-30	P10-30-L	
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	L	R	R	R		L	R	R	R	R	L	R	R	L	L	R	R	L	R	R	R	R	L	R	R	L	R	R		
FOUNDATION TYPE	A	A	A	B		A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B		
FOUNDATION DEPTH (FT)	16	16	20	20		16	16	20	12	12	20	20	12	16	12	16	16	16	20	20	2	12	12	12	12	12	11	11		
NORTHING	10654159.44	10654103.03	10654127.41	10654165.59		10654132.83	10654207.79	10654261.17	10654279.22	10654337.6	10654320.21	10654417.11	10654482.89	10654471.32	10654504.63	10654552.48	10654595.79	10654562.29	10654662.34	10654640.06	10654753.14	10654843.36	10654878.53	10654899.86	16654979.7	10654974.22	10655073.96	10655164.03		
EASTING	384244.44	384272.61	384324.28	384317.5		384237.35	384309.47	384296.79	384308.02	384292.89	384208.56	384264.09	384250.2	384182.47	384175.58	384236.48	384228.41	384152.68	384214.38	384153.24	384194.59	384175.78	384093.33	384175.24	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																														
OCS WIRING LAYOUT REF.	J100												J101												J102					

STATION	21+11	21+14	21+94A	21+94B	22+78	22+79	23+29	23+31	24+08	25+01	25+96	26+91	27+86	28+53	29+06	29+76	30+56	31+48	32+41	33+25	34+03	34+98	35+67	35+66	35+98					
POLE TYPE	P20-28	P20-28	P20-28	P20-28	P20-28	P20-28	P30-28	P20-28	P4-28	P3-28	P3-28	P4-28	P10-28	P10-28	P10-28	P10-28-L	P10-28	P10-28-L	P10-28	P10-28-T	P10-28-L	P10-28		P20-28	P20-28					
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			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	L	R	R					
FOUNDATION TYPE	A	A	A	A	A	A	A	A	A	B	B	A	A	A	A	B	A	B	A	B	B	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		12	12						
NORTHING	10655257.04	10655247.22	10655325.91	10655337.59	10655420.2	10655438.41	10655457.99	10655471.05	10655545.42	10655636.21	10655729.36	10655823.26	10655915.9	10655980	10656026.27	10656084.67	10656152.56	10656227.19	10656304.77	10656379.96	10656441.16			10656578.21	10656602.86					
EASTING	384090.88	384034.68	384017.88	384073.19	384055.1	383999.22	383988.11	384043.28	384027.44	384007.18	383988.31	383972.58	383948.4	383924.39	383896.9	383856.92	383815.36	383761.72	383711.47	383671.5	383623.68	383575.59			383534.24	383533.38				
POLE GROUND ASSY.	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			GR-01	GR-01				
REMARKS																							NOTE 6							
OCS WIRING LAYOUT REF.	J103												J104												J105					

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+188	43+91	44+64	45+35	46+22	46+82					
POLE TYPE		P20-28	P3-28	P3-28	P20-28	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	P2-28	P3-28	P3-28	P3-28	P20-28	P20-28	P20-28	P20-28					
OFFSET		23.14	28.02	35.74	21.76	12.03	8.41	9.12	10.34	10.19	9.96	10.44	27.78	27.65	24.8	26.44	27.89	31.26	36.8	16	16.04	15.91	15.72	11.42	11.08					
OFFSET DIRECTION	L	R	L	L	R	R	R	R	R	R	R	R	R	R	R	R	R	L	L	R	R	R	R	R	R					
FOUNDATION TYPE		A	A	A	A	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A	A	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						
NORTHING		10656617.6	10656652.86	10656691.4	10656642.54	10656659.56	10656697.34	10656748.93	10656790.71	10656834.4	10656883.03	10656927.9	10656922.53	10656989.58	10657014.53	10656959.31	10657043.9	10657023.49	10657036.84	10656992.96	10657034.61	10657074.15	10657113.65	10657164.47	10657197.67					
EASTING		383544.1	383505.72	383547.62	383580.26	383621.05	383662.12	383740.6	383802.9	383868.36	383941.1	384008.51	384029.4	383986.55	383970.2	384072.31	384013.95	384045.37	384074.37	384103.75	384166.05	384224.91	384283.8	384354.55	384404.44					
POLE GROUND ASSY.		GR-01	GR-01	GR-01	GR-01	GR-02	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					
REMARKS	NOTE 6																													
OCS WIRING LAYOUT REF.	J106												J107												J108					

STATION	47+36	50+30	51+13	51+14	51+80	51+85	52+24	52+27	52+47	52+98	53+05	53+78	53+79	54+71	54+72	55+73A	55+73B	56+61A	56+61B	57+40	57+42	58+19	58+23	58+97	59+88					
POLE TYPE	P20-28-L	P20-28-L	P3-28	P20-28	P3-28	P20-28-L	P4-28	P20-28-T	P3-28	P3-28	P2-28	P2-28	P2-28	P20-28-L	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P1-28-T	P1-28					
OFFSET	6.5	15.73	36.29	16.6	33.62	20.75	89.35	14.25	37.42	35.08	18.54	14.14	39.73	37.53	15.92	37.71	16.07	37.91	15.73	38.11	15.79	45.04	15.7	8.16	14.33					
OFFSET DIRECTION	R	R	L	R	L	R	L	R	L	L	R	R	L	L	R	L	R	L	R	L	R	L	R	R	R					
FOUNDATION TYPE	B	B	A	A	A	B	A	B	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	B	A					
FOUNDATION DEPTH (FT)	12	12	16	12	16	12	20	12	16	16	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11					
NORTHING	10657231.11	10657389.24	10657477.53	10657436.85	10657520.96	10657471.13	10657576.04	10657476.46	10657510.41	10657454.43	10657424.33	10657361.24	10657391.43	10657314.58	10657282.08	10657229.88	10657199.87	10657090.95	10657059.53	10657029.25	10656991.84	10657029.25	10656991.84	10656937.09	10656865.72					
EASTING	384446.96	384695.25	384732.68	384766.48	384796.32	384813.53	384878.51	384849.61	384894.13	384931.62	384886.69	384928.64	384973.26	385024.04	384981.54	385081.31	385036.68	385174.46	385130.63	385223.98	385175.99	385223.98	385175.99	385230.2	385284.41					
POLE GROUND ASSY.	GR-01	GR-03 (2)	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-01	GR-01	GR-01	GR-01	GR-01					
REMARKS		NOTE 1&4																												
OCS WIRING LAYOUT REF.	J109		J110												J111										J112					

STATION	60+28	60+81	61+50	62+41	63+07	64+02	64+86A	64+86B	65+29	65+78	65+80	66+63	66+84	67+48	68+25	69+23	69+99A	69+99B	70+82	71+70	72+41	73+24	74+02	74+96
POLE TYPE	P1-28	P1-28	P2-28	P1-28	P1-28	P1-28	P3-28	P2-28	P3-28	P2-28	P3-28	P3-28	P3-28	P3-28	P1-28	P1-28	P2-28	P2-28	P4-28	P3-28-F	P3-28-F	P4-28	P1-28	P1-30
OFFSET	16.21	15.35	8.75	7.26	7.97	7.84	49.27	7.62	42.42	7.73	35.1	8.4	24.68	13.62	6.54	14.17	42.19	28.3	15.62	15.49	15.92	15.54	7.26	14.41

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
POLE TYPE	P1-30	P2-30	P3-30	P20-28-L	P1-28	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P2-28	P10-28-L	P1-28	P2-28	P10-28-L	P2-28	P2-28	P3-28	P2-28	P3-28	P2-28	P20-28-L
OFFSET	15.53	15.58	35.65	9.15	10.37	30.12	25.95	29.41	26.98	27.07	26.58	26.61	27.22	7.28	8.86	26.7	27.16	26.73	27.17	26.81	27.22	38.29	13.67	19.1
OFFSET DIRECTION	R	R	L	R	R	L	R	L	R	R	L	L	R	R	R	L	R	L	R	L	R	L	R	R
FOUNDATION TYPE	A	A	A	B	A	A	A	B	A	A	A	A	A	B	A	A	B	A	A	A	A	A	A	B
FOUNDATION 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
NORTHING	10655379.1	10655321.76	10655236.16	10655217.67	10655170.68	10655088.9	10655074.61	10655005.94	10654994.45	10654909.12	10654915.78	10654833.27	10654822.33	10654732.93	10654668.9	10654592.55	10654581.57	10654499.73	10654488.41	10654421.14	10654410.03	10654357.58	10654363.37	10654342.86
EASTING	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
POLE 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
REMARKS																								
OCS WIRING LAYOUT REF.	J116					J117						J118						J119						

STATION	86+72	86+95	87+19A	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
POLE 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	P10-28-L	P1-28	P1-28	P10-28-L	P1-28	P10-28-L
OFFSET	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
OFFSET DIRECTION	L	L	L	R	L	R	R	R	L	R	L	R	L	R	R	R	R	R	B	A	R	R	R	R
FOUNDATION TYPE	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	B	A	B	B	A	A	B	A	B
FOUNDATION 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
NORTHING	10654281.22	10654273.58	10654276.7	10654322.23	10654261.57	10654307.53	10654277.87	10654267.2	10654212.51	10654259.41	10654197.58	10654250.16	10654183.22	10654240.69	10654207.57	10654190.13	10654178.63	10654162.82	10654142.97	10654123.5	10654104.16	10654084.77	10654072.44	10654046.63
EASTING	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
POLE 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
REMARKS																								
OCS WIRING LAYOUT REF.		J119				J120					J121								J122				J123	

STATION	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
POLE TYPE	P1-28	P1-28	P3-28	P3-28	P2-28	P2-28	P4-28	P3-28	P3-28	P20-28	P3-28	P4-28	P3-28	P4-30	P4-28-L	P2-28	P2-28	P2-28	P2-28	P2-28	P1-28	P10-33-L	P1-30
OFFSET	14.21	14.75	30.96	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
OFFSET DIRECTION	R	R	L	L	R	R	L	L	L	R	R	R	L	R	L	R	R	R	L	R	R	R	R
FOUNDATION TYPE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	B	A	A	A	A	A
FOUNDATION 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
NORTHING	10654037.29	10654021.41	10653961.39	10653957.41	10654004.24	10654008.75	10653950.01	10654001.65	10654051.33	10654057.84	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
EASTING	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
POLE 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-03	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01
REMARKS														NOTE 1&4									
OCS WIRING LAYOUT REF.					J123							J124						J125					

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	218+26
POLE TYPE	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	P2-28	P2-28-T	P2-28	P1-28	P1-28	P1-28	P1-28	P2-28	P2-28	P1-28
OFFSET	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	37.44	21.16	21.98	36.92	15.56	15.79	15.59	15.53	35.25	22.28	14.69
OFFSET DIRECTION	R	R	L	R	L	L	R	L	R	L	R	R	R	R	L	R	R	L	R	R	R	R	L	R	R
FOUNDATION TYPE	C	B	A	A	A	A	A	A	A	A	A	B	A	A	A	A	B	A	B	A	A	A	A	A	A
FOUNDATION DEPTH (FT)	10	11	11	11	11	11	11	11	11	11	11	10	10	10	11	11	11	11	10	10	10	10	11	11	10
NORTHING	10657870.91	10657925.82	10657892.69	10657998.57	10657960.97	10658043.2	10658080.32	10658113.41	10658150.51	10658177.56	10658216.07	10658283.47	10658319.51	10658371.59	10658386.34	10658421.5	10658486.63	10658459.41	10658539.52	10658592.9	10658663.48	10658693.59	10658728.2	10658762.74	10658823.39
EASTING	384254.42	384224.27	384168.99	384180.22	384118.76	384067.64	384122.35	384020.33	384076.25	383978.04	384032.49	383969.62	383947.82	383920.17	383845.7	383892.63	383848.76	383795.99	383805.3	383769.95	383722.63	383702.46	383618.31	383664.44	383614.84
POLE 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-01	GR-01	GR-01	GR-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01
REMARKS																									
OCS WIRING LAYOUT REF.	J125						J126									J127							J128		

STATION	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
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	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	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	C	C	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	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-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-02	GR-02	GR-01	
REMARKS																									
OCS WIRING LAYOUT REF.			J129					J130					J131					J132					J133		

NOTES:

- POLE LOCATED OVER BASEMENT, REFER

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FILE: W:\Projects\El Paso Streetcar\CADD\OCS\SHEETS\TYPICAL\Technical Sheets\J092 - Foundation Schedule 3 of 4.dgn

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
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
OFFSET	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
OFFSET DIRECTION	R	R	R	R	R	R	R	R	R	R	R	R	R	R	L	R	R	R	R	R	R	R	R	L	R
FOUNDATION TYPE	A	A	A	B	A	A	A	B	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A
FOUNDATION DEPTH (FT)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	10	10	10	10	10	10	10	11	11
NORTHING	10660606	10660685.63	10660747.3	10660808.75	10660872.08	10660942.8	10660978.61	10661042.02	10661119.82	10661167.75	10661232.32	10661312.18	10661361.9	10661429.96	10661449.53	10661492.7	10661564.98	10661631.6	10661709	10661788.05	10661862.49	10661926.92	10661985.75	10662028.53	10662064.32
EASTING	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
POLE 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
REMARKS																									
OCS WIRING LAYOUT REF.	J134					J135					J136					J137					J138				

STATION	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
OFFSET	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
OFFSET DIRECTION	R	R	R	R	R	R	R	R	R	R	L	R	R	R	L	R	R	R	R	L	R	R	R	R	R
FOUNDATION TYPE	A	A	B	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	A	A	A	A	A	A
FOUNDATION 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
NORTHING	10662135.87	10662186.8	10662259.27	10662327.95	10662402.18	10662476.34	10662555.56	10662632.44	10662713.62	10662793.06	10662816.81	10662862.39	10662939.31	10663018.24	10663057.61	10663100.26	10663178.58	10663260.2	10663340.79	10663376	10663428.06	10663499.69	10663567.28	10663613.54	10663649.84
EASTING	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
POLE 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																									
OCS WIRING LAYOUT REF.	J138			J139				J140					J141					J142					J143		

STATION	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
POLE 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
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	8.61	10.73	8.03	7.92	7.98	9.22	8.94
OFFSET DIRECTION	L	R	L	R	R	R	L	R	L	R	L	R	L	R	R	L	R	R	R	R	R	R	R	R	R
FOUNDATION TYPE	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	C	C	A	A	A
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
NORTHING	10663582.62	10663692.54	10663606.62	10663661.36	10663603.64	10663563.15	10663484.94	10663522.56	10663400.95	10663443.04	10663346.7	10663392.08	10663296.32	10663341.59	10663321.72	10663275.28	10663292.39	10663235.05	10663209.51	10663170.06	10663104.5	10663025.83	10662949.34	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	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-02	GR-02	GR-01	GR-01	GR-01
REMARKS																									
OCS WIRING LAYOUT REF.	J143					J144					J145					J146					J147				

STATION	289+17	290+04	290+9C	291+85	292+80	293+75	294+70	295+44	296+39	297+34	298+27	299+15	300+05	300+92	301+58	302+46	303+41	304+37	305+32	306+21	307+16	308+05	308+94	309+89	310+85
POLE TYPE	P1-28	P10-28-L	P1-28	P10-28-L	P1-28	P1-28	P10-28-L	P10-28-L	P10-28-L	P1-28	P1-28	P1-28	P1-28	P1-28	P10-28-L	P10-28	P10-28-L	P1-28	P1-28	P1-28	P1-28	P10-28-L	P1-28	P10-28-L	P1-28
OFFSET	8.94	9.52	8.9	9.11	9.21	8.99	7.83	7.69	10.35	9.97	7.61	9.06	8.77	7.9	7.96	10.63	9.2	9.19	9.25	8.76	9.04	8.99	7.73	7.75	9
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	B	B	B	A	A	B	B	B	A	A	A	A	B	B	A	B	A	A	A	A	B	A	B	B
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	10	10
NORTHING	10662757.63	10662685.1	10662613.97	10662534.9	10662455.89	10662377.06	10662298.13	10662237.01	10662156.64	10662077.7	10662001.33	10661927.38	10661852.66	10661779.9	10661725.43	10661651.6	10661573.27	10661493.49	10661414.35	10661340.64	10661261.54	10661188.25	10661114.14	10661035.34	10660955.37
EASTING	380128.93	380179.77	380225.11	380277.77	380330.52	380383.55	380436.26	380477.42	380528.14	380580.99	380634.15	380681.86	380732.04	380780.59	380816.9	380864.63	380918.99	380972.4	381025.28	381075.19	381127.79	381176.89	381226.3	381279.35	381332.78
POLE GROUND ASSY.	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-02	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02
REMARKS																									
OCS WIRING LAYOUT REF.	J146	J147					J148					J149					J150					J151			J152

STATION	311+34	312+28	313+11	313+96	314+68	315+63	316+46	317+29	318+22	318+83	319+77	320+72	321+43	322+28	323+18	324+13	324+91	325+51	326+46	327+21	328+16	3283
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ADDENDUM 2 - JULY 14, 2015

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	P1O-28-L	P1-28	P1O-28-L	P1-28	P1-28	P1O-28	P1O-28-L	P1-28	P1-28	P1-28-T	P1-28	P1O-28-L	P1-28	P1-28	P1-28	P1-28	P1-28	P1O-28-L	P1-28	P1O-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	B	A	B	B	A	A	B	A	A	B	A	B	A	A	B	A	A	B	A	B	A	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																									
OCS WIRING LAYOUT REF.	J157			J158					J159				J160					J161				J162			

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	505+53	505+53	505+52	505+71	506+02	
POLE TYPE	P3-28	P1-30	P1-30	P1O-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	B	B	B	A	A	B	A	A	A	B	A	A	A	A	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	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
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	383821.9	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	GR-01	GR-01	GR-01	GR-01	GR-01	GR-02
REMARKS																									
OCS WIRING LAYOUT REF.	J162			J163					J164								J165								

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	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	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	10654156.55	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-C1	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																						NOTE 4	NOTE 4	
OCS WIRING LAYOUT REF.	J165									J166														

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.
4. 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.
6. 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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7/14/15

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TBPE REGISTRATION NO. F-1389

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(915) 493-6468

TBPE REGISTRATION NO. F-3162

COEP STREETCAR

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



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J093

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1096	

ADDENDUM 2 - JULY 14, 2015

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	P10-28	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	B	A	B	B	A	A	B	A	A	B	A	B	A	A	B	A	A	B	A	B	A	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-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		
REMARKS																											
OCS WIRING LAYOUT REF.	J157			J158					J159					J160					J161					J162			

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	P10-28-L	P2-28	P2-28	P20-28-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	B	B	B	A	A	B	A	A	A	B	A	A	A	A	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	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
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-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-02
REMARKS																									
OCS WIRING LAYOUT REF.	J162			J163					J164					J165					J166						

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	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	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																						NOTE 4	NOTE 4		
OCS WIRING LAYOUT REF.	J165										J166														

NOTES:

- POLE LOCATED OVER BASEMENT, REFER TO SHEET J701.
- 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.
- 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	APPROVED
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TBPE REGISTRATION NO. F-1389

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El Paso, Texas 79903
(915) 493-6468

TBPE REGISTRATION NO. F-3162

COEP STREETCAR

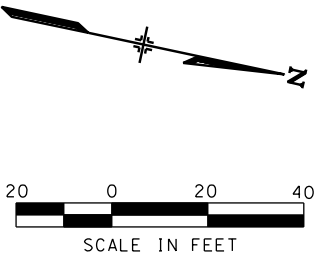
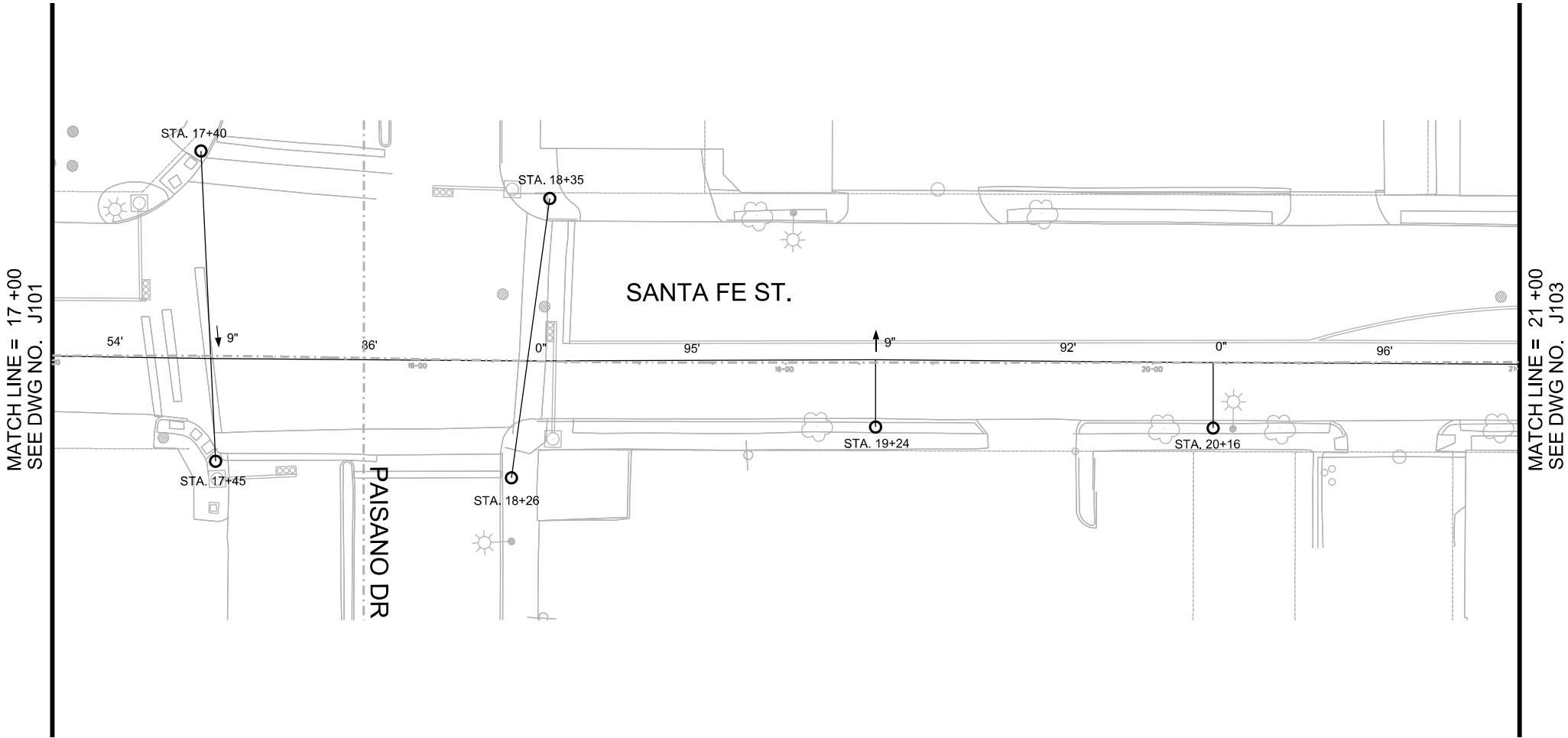
OVERHEAD CONTACT SYSTEM
OCS FOUNDATION SCHEDULE
STA. 332+01 TO STA. 510+05
(ALTERNATE)



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of Transportation

J093A

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1096A	



- 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.

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

NO	DATE	REVISION	APPROVED



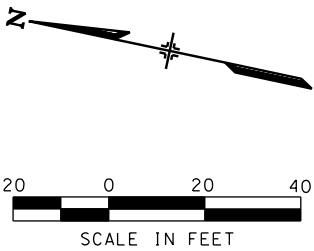
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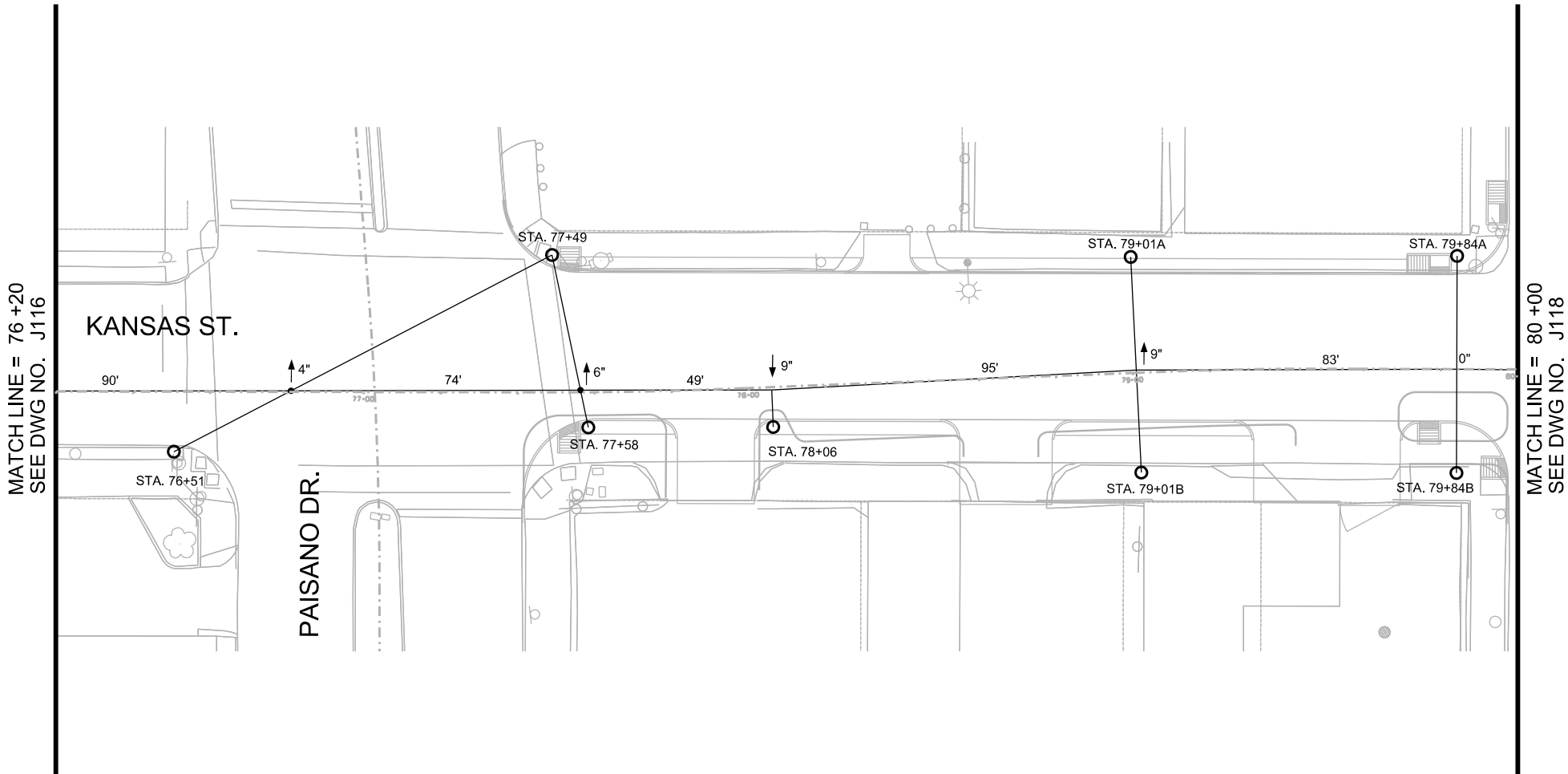
COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 17+00 TO STA. 21+00



J102			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1101	



- 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.



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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	P20-28-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	

NO	DATE	REVISION	APPROVED



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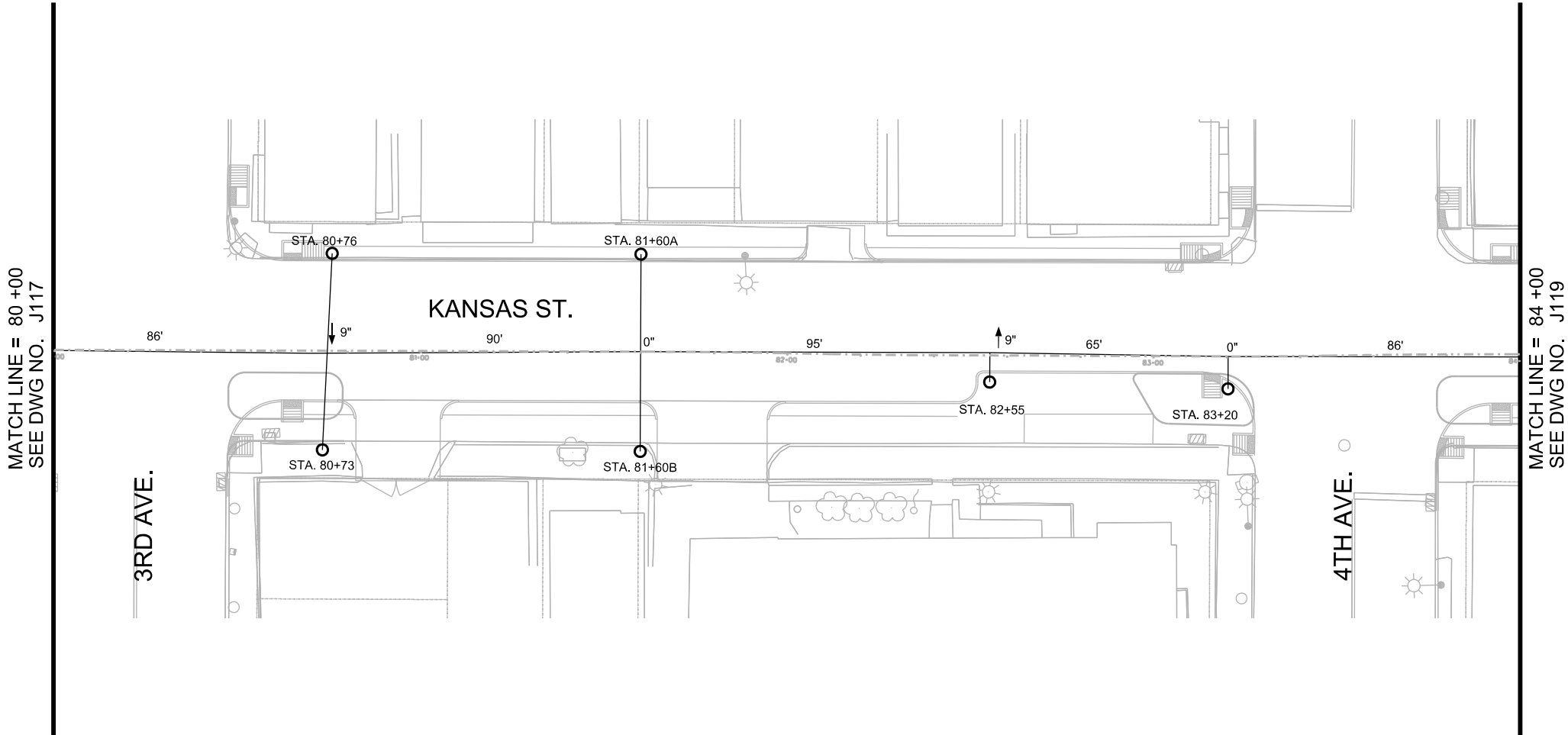
COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 76+20 TO STA. 80+00



J117			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1119	



- 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.



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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		P1-28	MAINLINE	3	19' 6"		86	0	SCA-01L		BT-01 (2)	SD-01	

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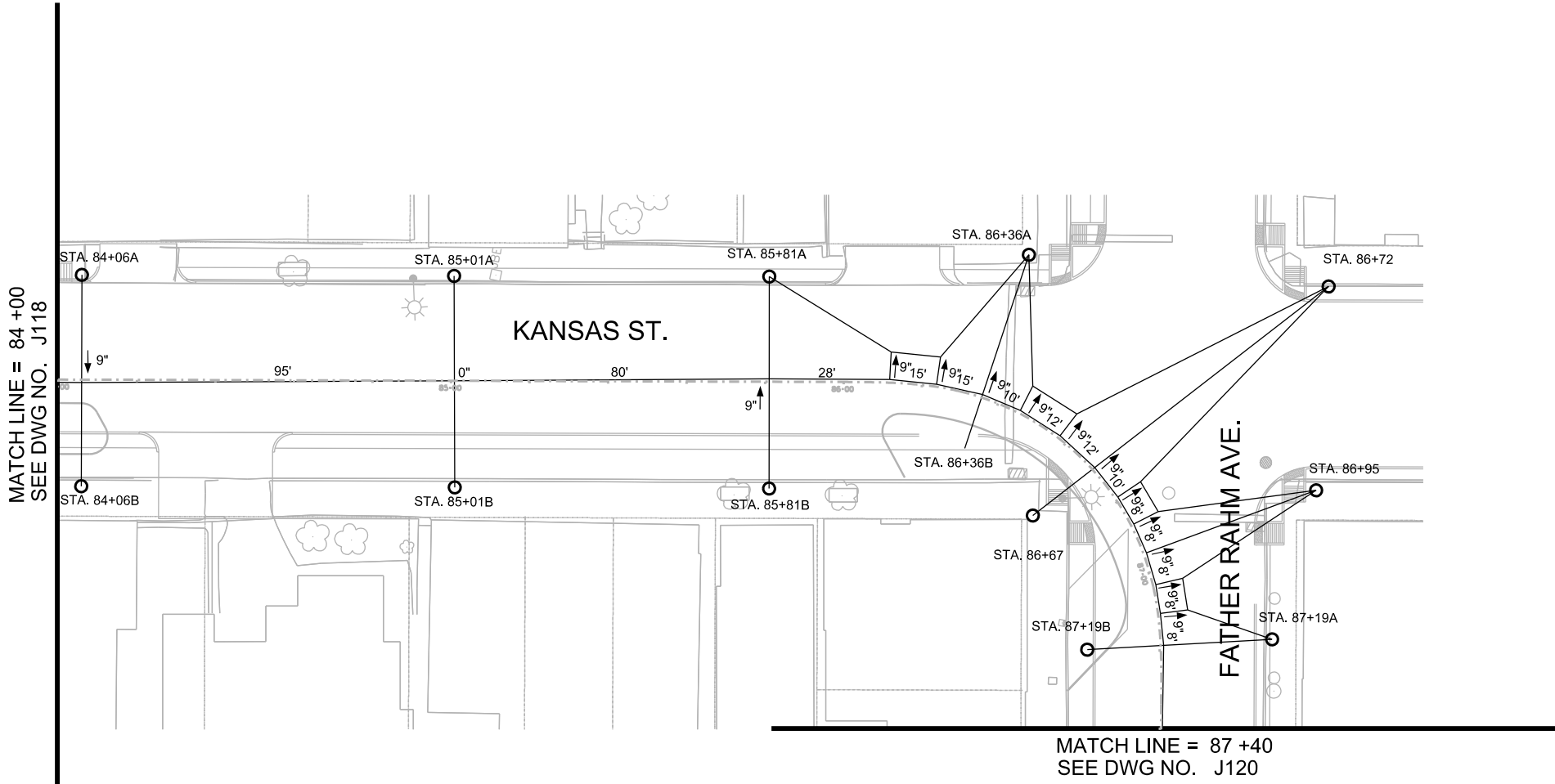
COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 80+00 TO STA. 84+00



J118			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1120	



- 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.



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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		P4-28	MAINLINE	3	19' 6"	SEE DWG J119A							
86+95		P3-28	MAINLINE	3	19' 6"	SEE DWG J119A							
87+19A		P3-28	MAINLINE	3	19' 6"	SEE DWG J119A							
87+19B		P2-28	MAINLINE	3	19' 6"	SEE DWG J119A							

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NO	DATE	REVISION	APPROVED



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COEP STREETCAR

OVERHEAD CONTACT SYSTEM

OCS WIRING LAYOUT PLAN

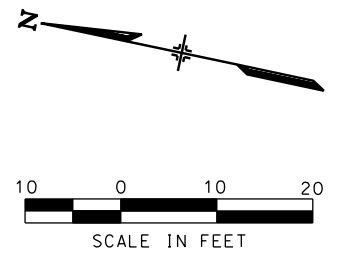
STA. 84+00 TO STA. 87+40



2012 Texas Department of Transportation

J119

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1121	



NO	DATE	REVISION	APPROVED
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TBPE REGISTRATION NO. F-1389

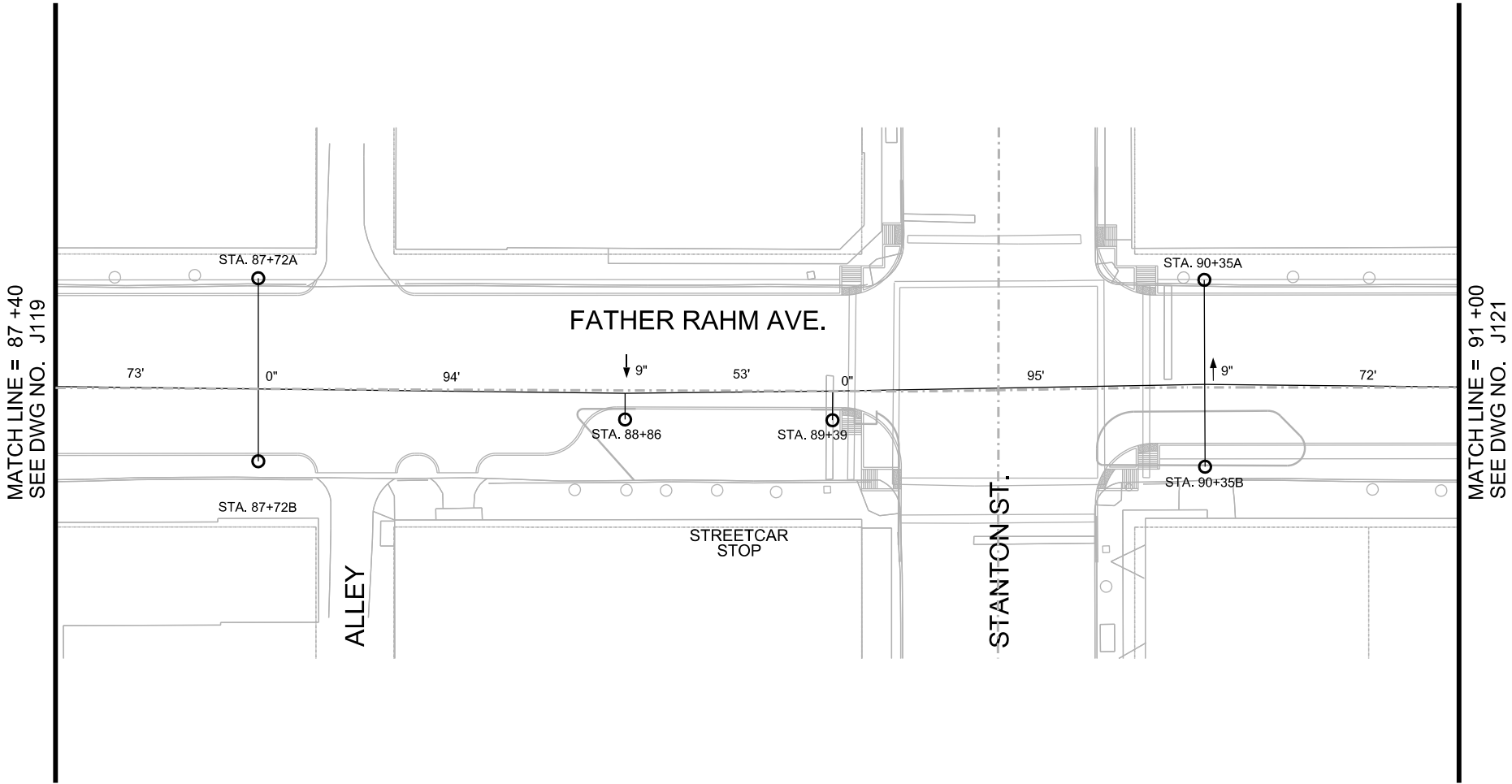
TBPE REGISTRATION NO. F-3162

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



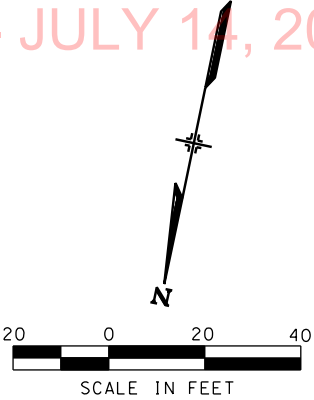
J119A

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	1122



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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	

ADDENDUM 2 - JULY 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.

NO	DATE	REVISION	APPROVED



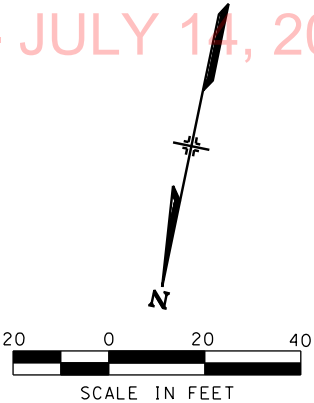
LTK
LTK Engineering Services
TBPE REGISTRATION NO. F-1389

URS
2829 Montana Suite 206
El Paso, Texas 79903
(915) 493-6468
TBPE REGISTRATION NO. F-3162

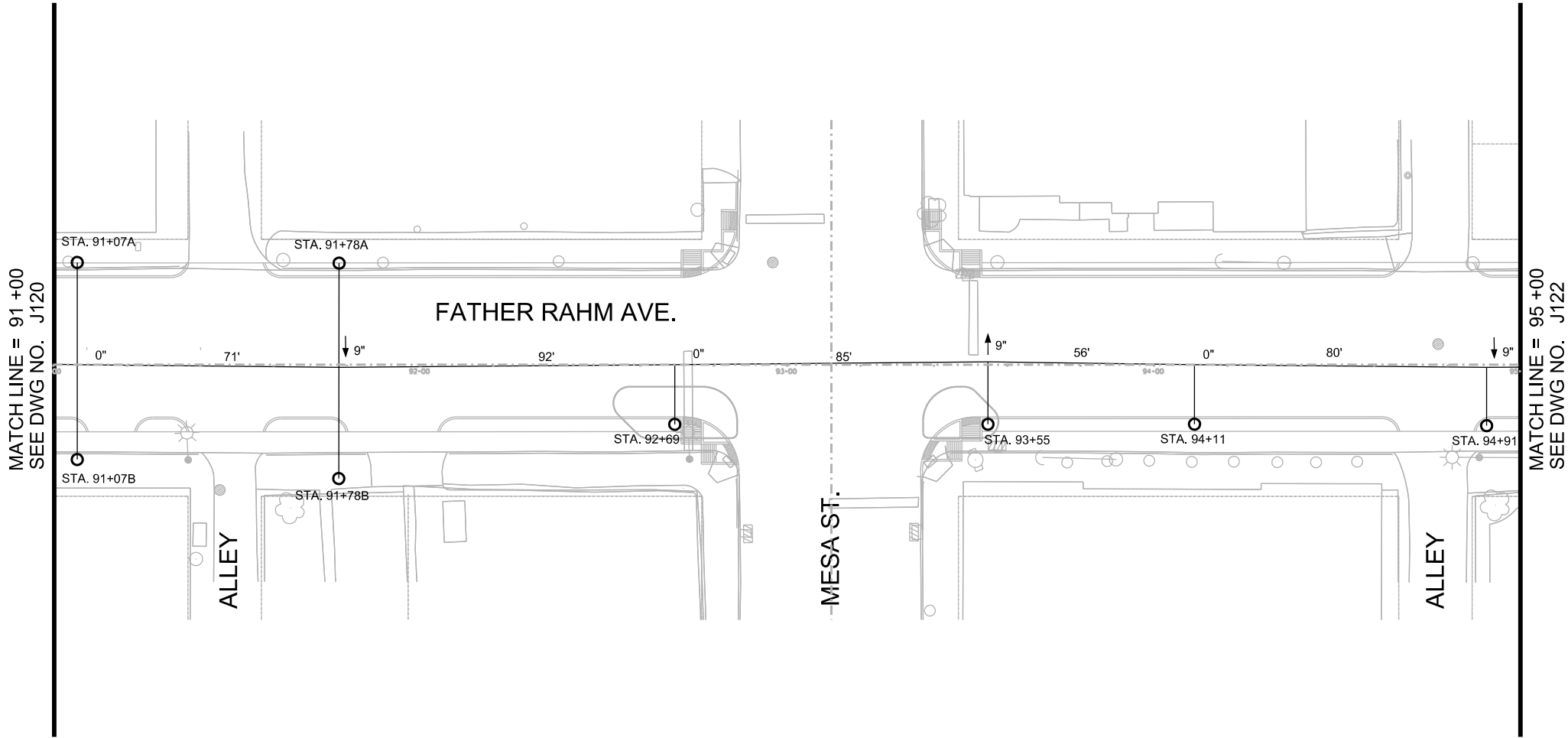
COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 87+40 TO STA. 91+00



J120			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	1123



- 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.



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
91+07A		P2-28	MAINLINE	3	19' 6"		71	0	CS-01	HR-1L	BT-02	SD-01	
91+07B		P2-28	MAINLINE	3	19' 6"						BT-02	SD-01	
91+78A		P2-28	MAINLINE	3	19' 6"		92	9	CS-01	HR-1L	BT-02	SD-01	
91+78B		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	

NO	DATE	REVISION	APPROVED
1	7/13/2015	ISSUED FOR PERMIT	
2	7/14/2015	ADDENDUM 2	



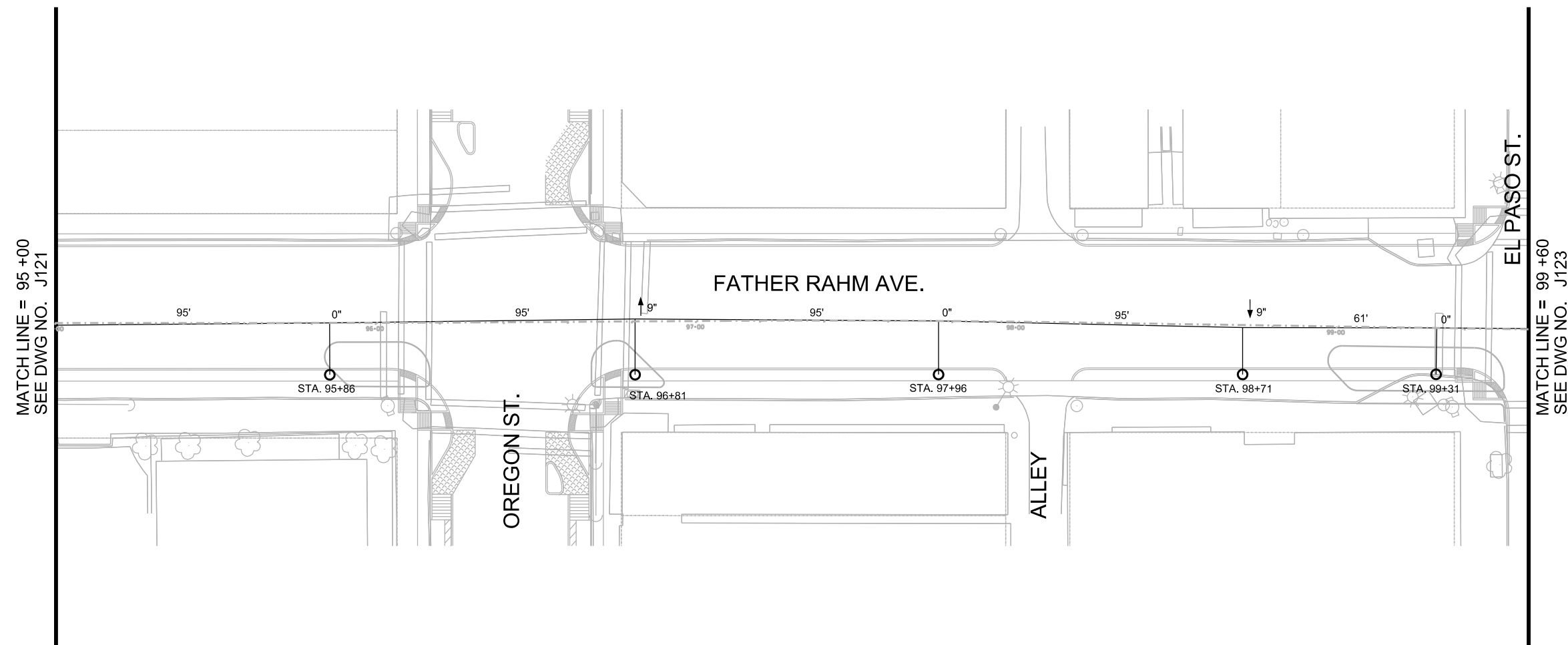
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TBPE REGISTRATION NO. F-3162

COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 91+00 TO STA. 95+00

J121			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY		SHEET NO.
EL PASO	EL PASO		1124

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.

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NO	DATE	REVISION	APPROVED
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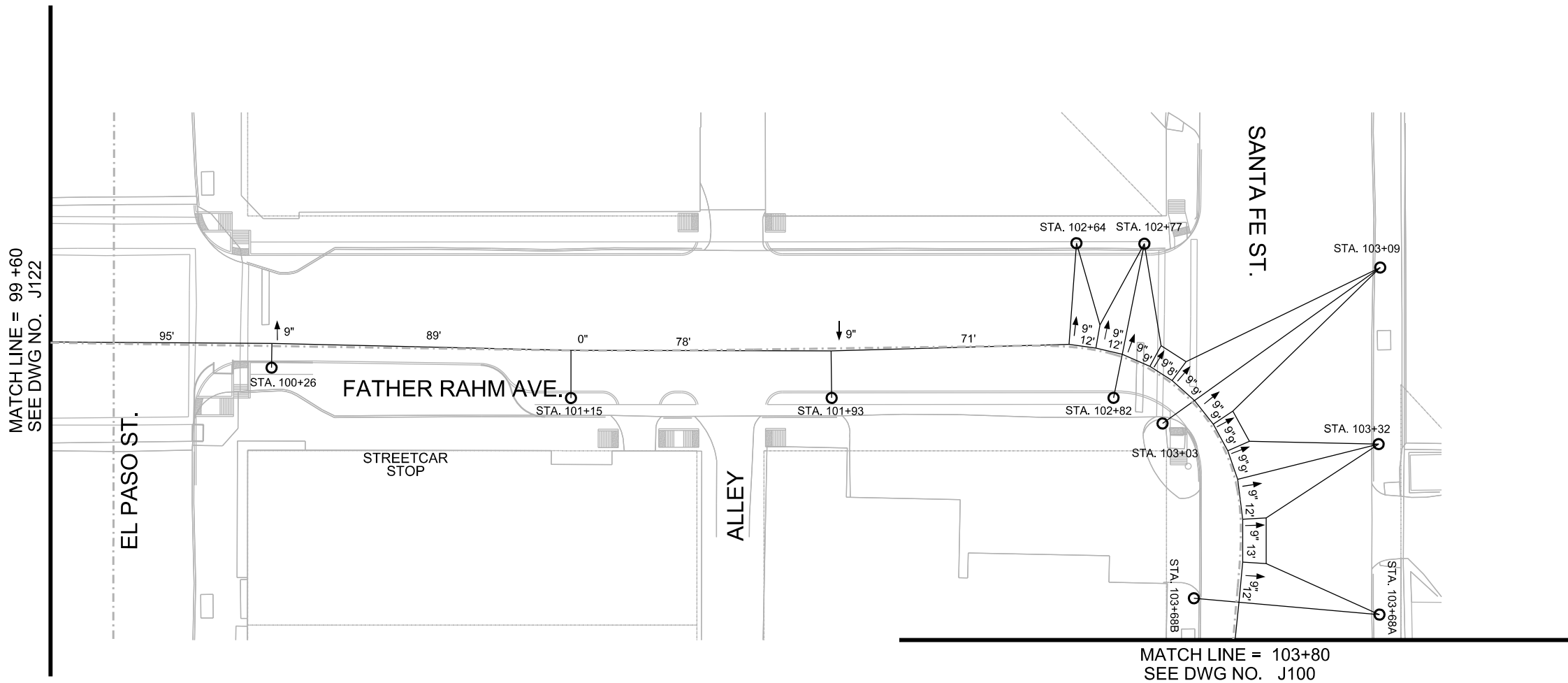
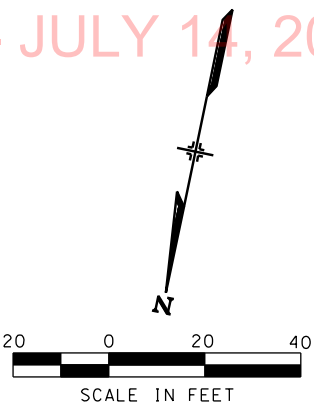
COEP STREETCAR

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



J122

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	1125



- 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.

STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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		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		P3-28	MAINLINE	3	19' 6"					SEE DWG J123A			
102+77		P3-28	MAINLINE	3	19' 6"					SEE DWG J123A			
102+82		P2-28	MAINLINE	3	19' 6"					SEE DWG J123A			
103+03		P2-28	MAINLINE	3	19' 6"					SEE DWG J123A			
103+09		P4-28	MAINLINE	3	19' 6"					SEE DWG J123A			
103+32		P3-28	MAINLINE	3	19' 6"					SEE DWG J123A			
103+68A		P3-28	MAINLINE	3	19' 6"					SEE DWG J123A			
103+68B	O	P20-28	MAINLINE	3	19' 6"					SEE DWG J123A			

NO	DATE	REVISION	APPROVED

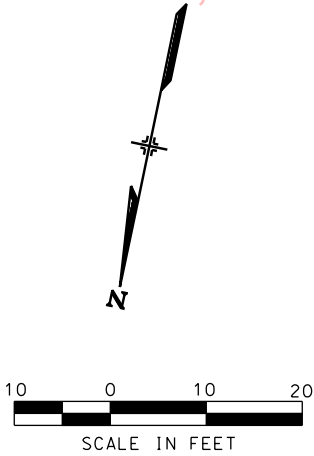
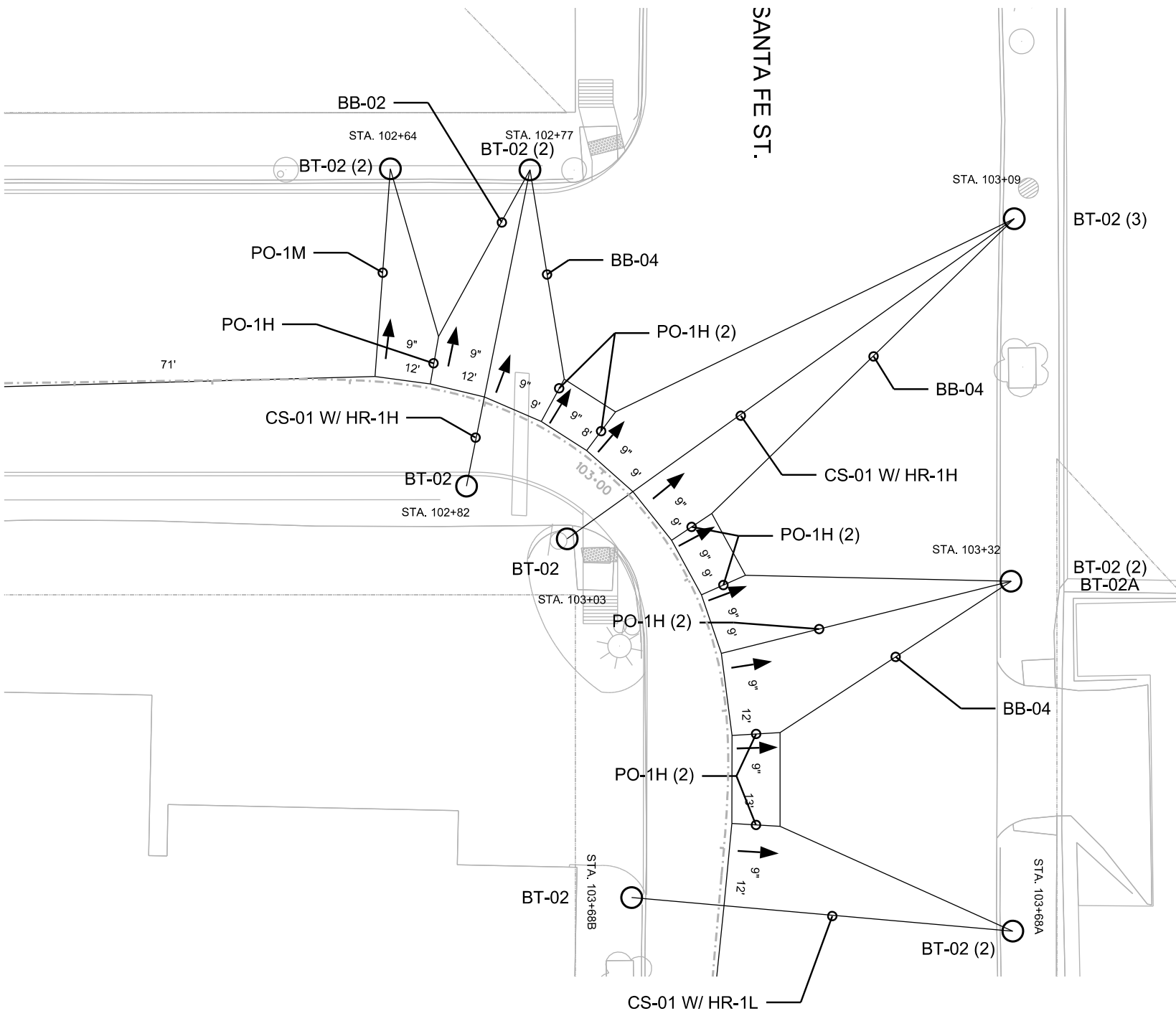


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COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 99+60 TO STA. 103+80

J123			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	1126



DATE: 7/13/2015 6:29:33 PM
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CK: URS
DW: URS
CK: URS

NO	DATE	REVISION	APPROVED



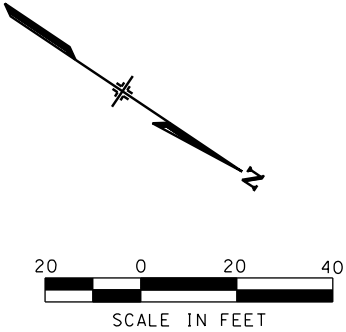
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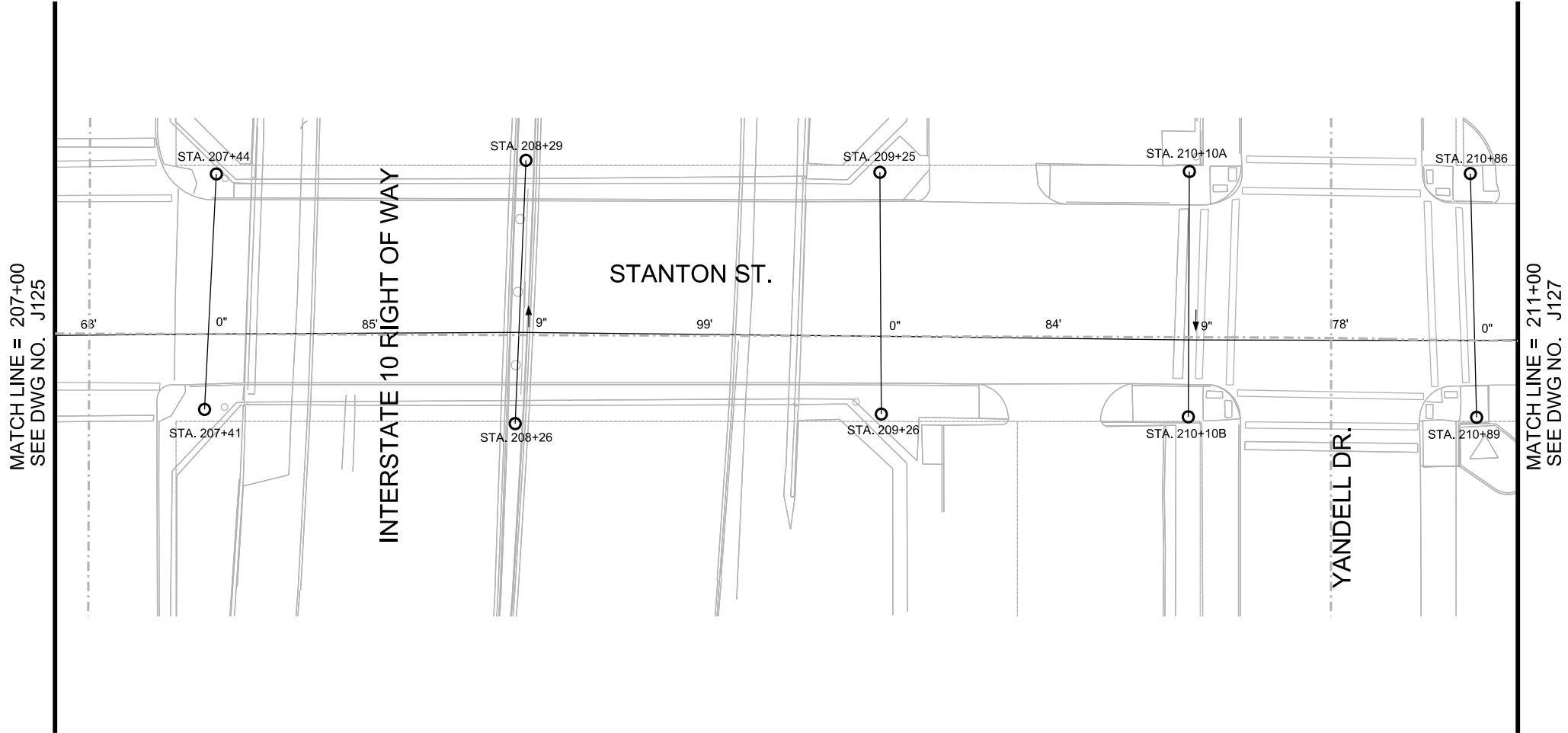
COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
INTERSECTION OF FATHER
RAHM AVE. AND SANTA FE ST.



J123A			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1127	



- 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.



STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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"		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		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"						BT-02	SD-01	

NO	DATE	REVISION	APPROVED



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COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 207+00 TO STA. 211+00

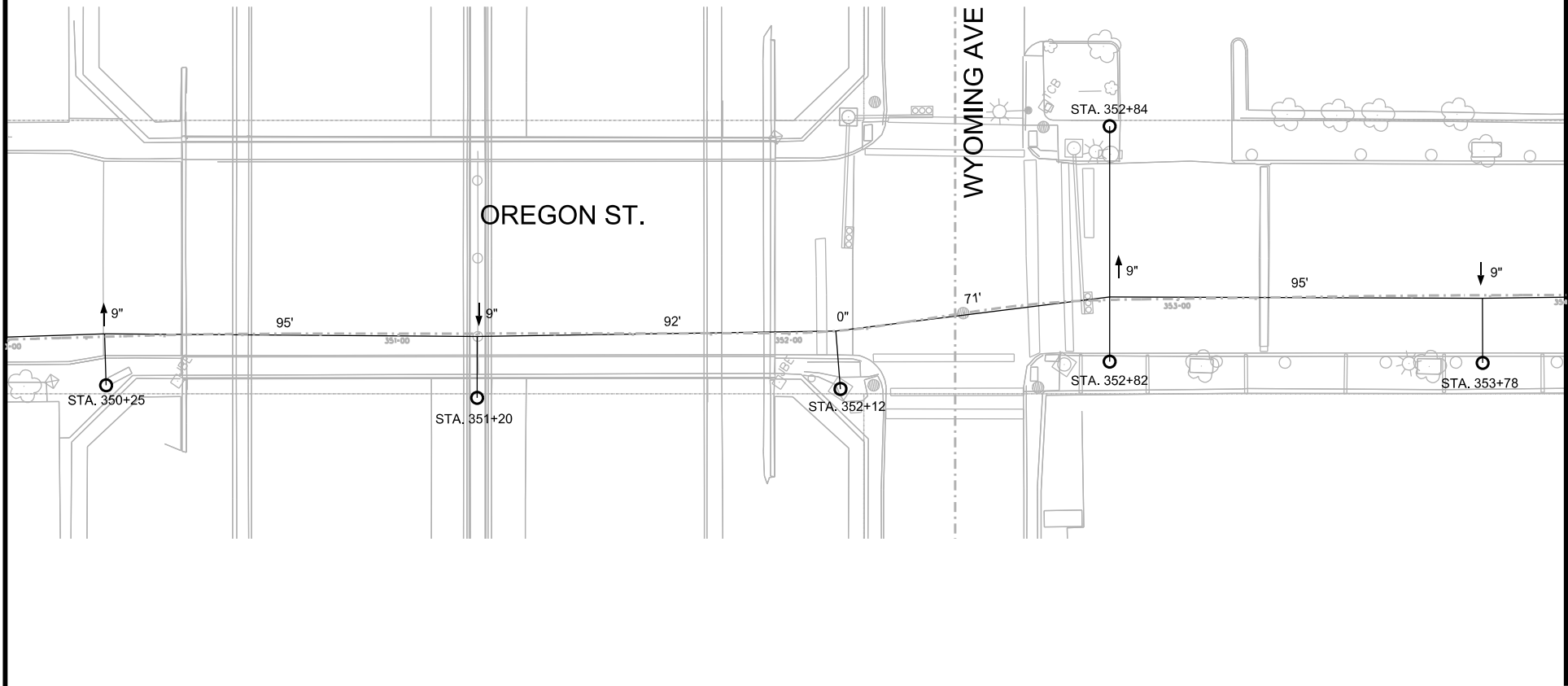


J126			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	1130

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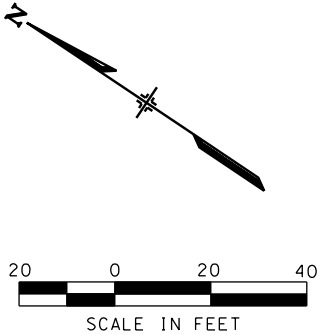
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SEE DWG NO. J161



MATCH LINE = 354+00
SEE DWG NO. J163

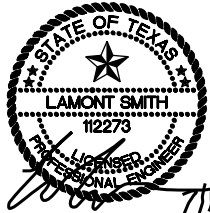
STATION	POLE USE	POLE TYPE	REFERENCE TRACK	WIRE RUN NUMBER	CW HT. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	SPAN (FT.)	STAGGER (IN.)	SUPPORT TYPE	REGISTRATION ASSEMBLY	POLE BRACKET	MISC. ASSEMBLY	REMARKS
350+25	L,O	P10-32-L	MAINLINE	6	21' 1"		95	-9	SCA-07M		BT-01 (2)	SD-01	
351+20		P1-28	MAINLINE	6	22' 3"		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	

ADDENDUM 2 - JULY 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.

NO	DATE	REVISION	APPROVED



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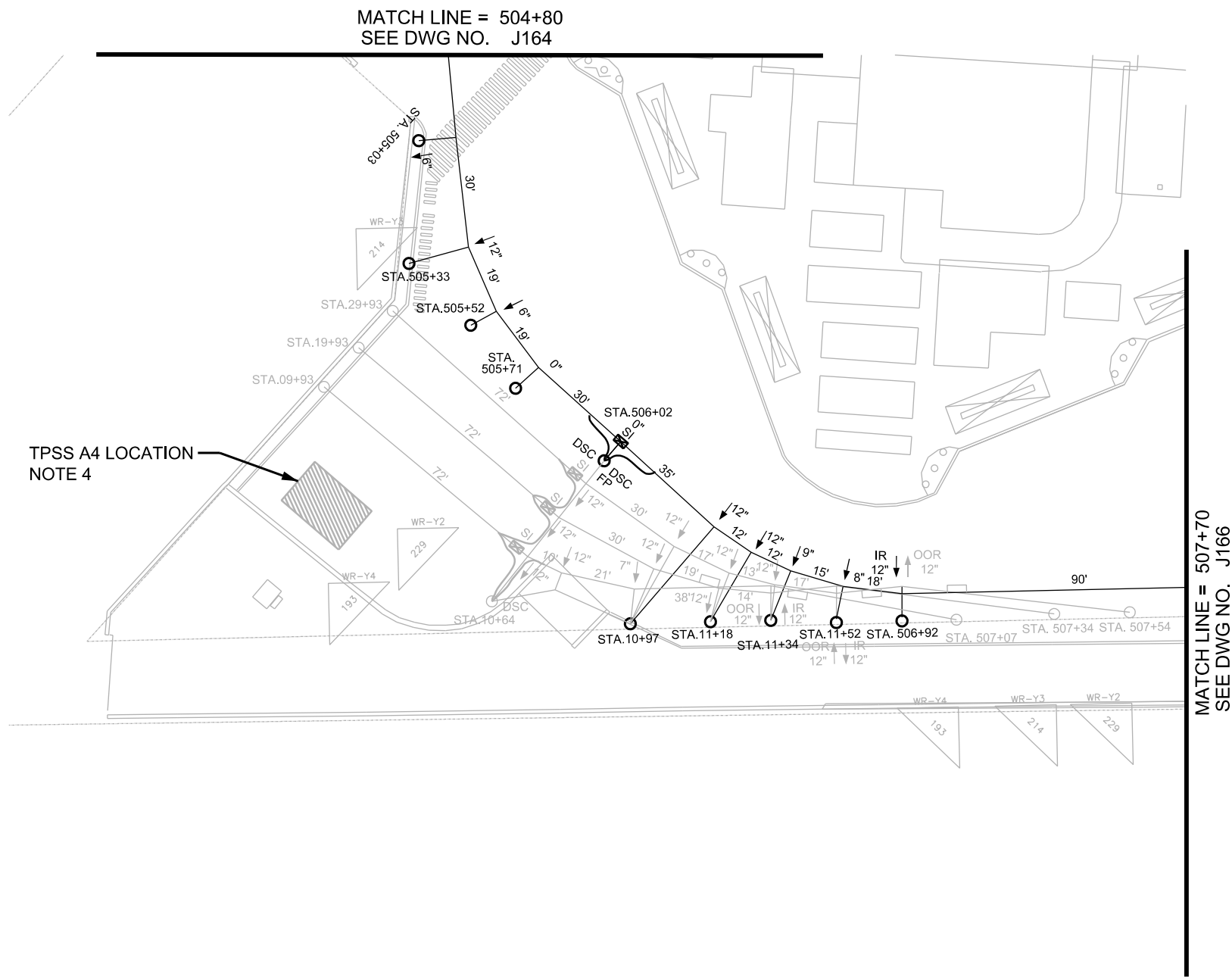
COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
STA. 350+00 TO STA. 354+00

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J162			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	1169

DATE: 7/13/2015 6:36:49 PM
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DN: URS
CK: URS
DW: URS
CK: URS



ADDENDUM 2 - JULY 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. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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			20' 0"	72				BT-02	SD-01	FT-01, SI-01
09+93		P4-28	STORAGE			20' 0"	72				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"		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"		90	OOR -12, IR 12	SCA-01H		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	APPROVED
1	7/14/15		
2			
3			
4			



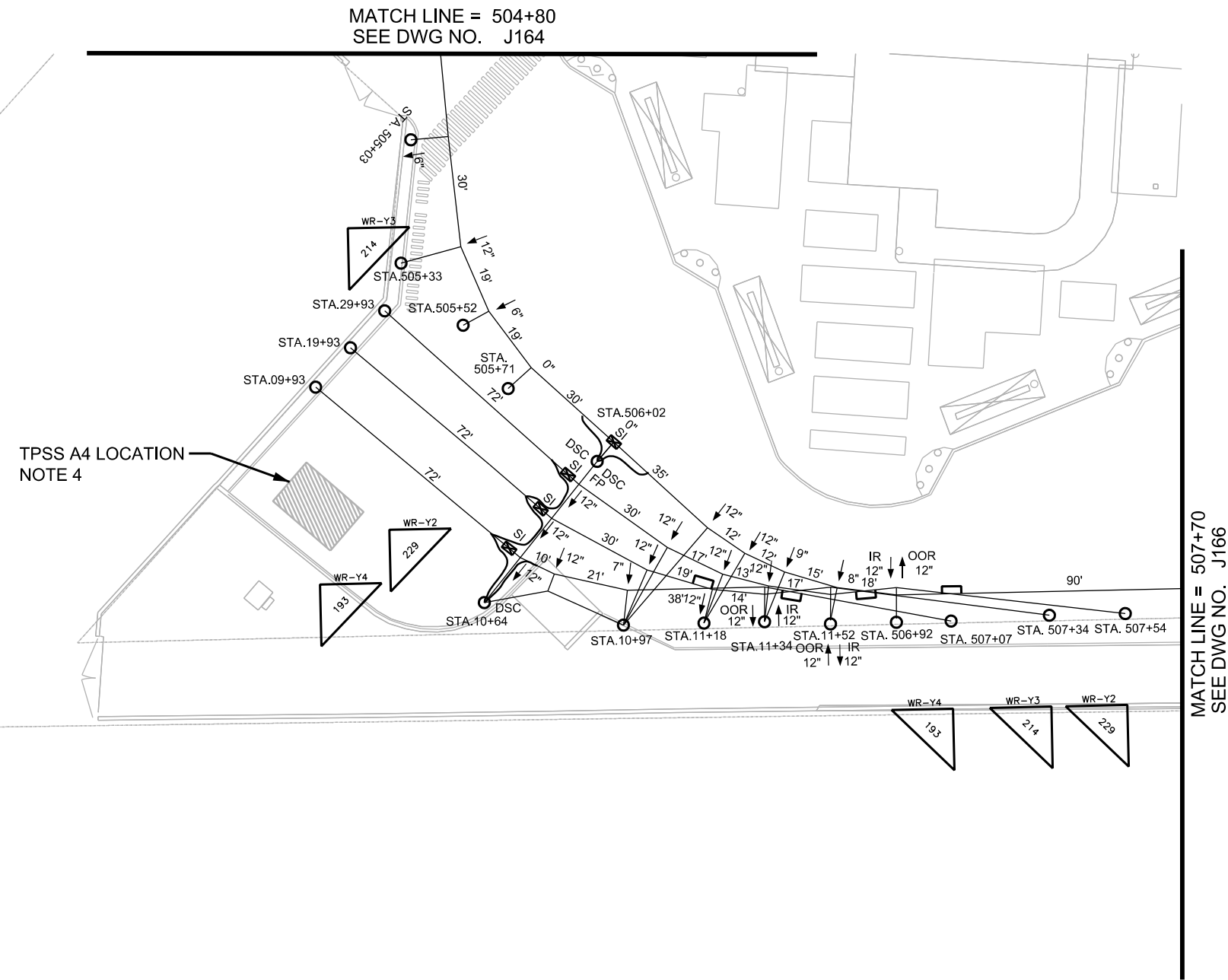
LTK
LTK Engineering Services
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URS
2829 Montana Suite 206
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TBPE REGISTRATION NO. F-3162

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

J165			
CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST		COUNTY	SHEET NO.
EL PASO		EL PASO	1172

DATE: 7/13/2015 6:07:08 PM
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ADDENDUM 2 - JULY 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. (FT.-IN.)	TERMINATION HT. (FT.-IN.)	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			20' 0"	72				BT-02	SD-01	FT-01, SI-01
09+93		P4-28	STORAGE			20' 0"	72				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"		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"		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

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

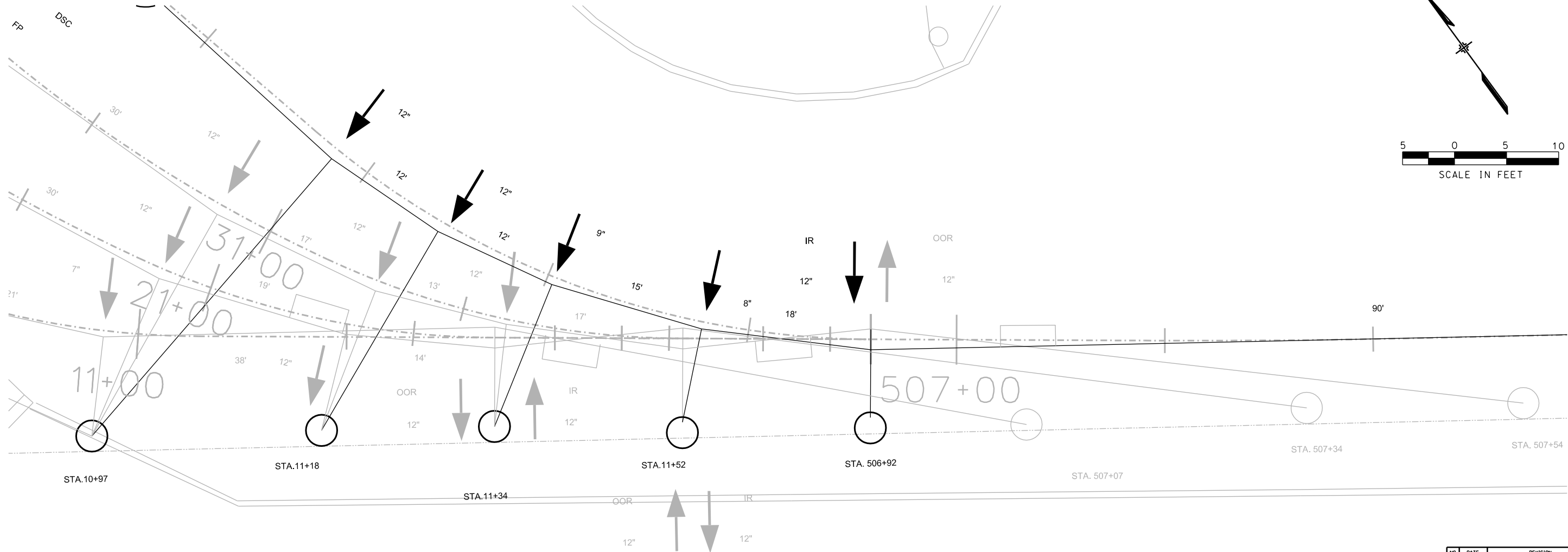
Texas Department of Transportation

J165A

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1172A	

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CK: URS
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CK: URS

DATE: 7/13/2015 6:08:35 PM
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OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
YARD



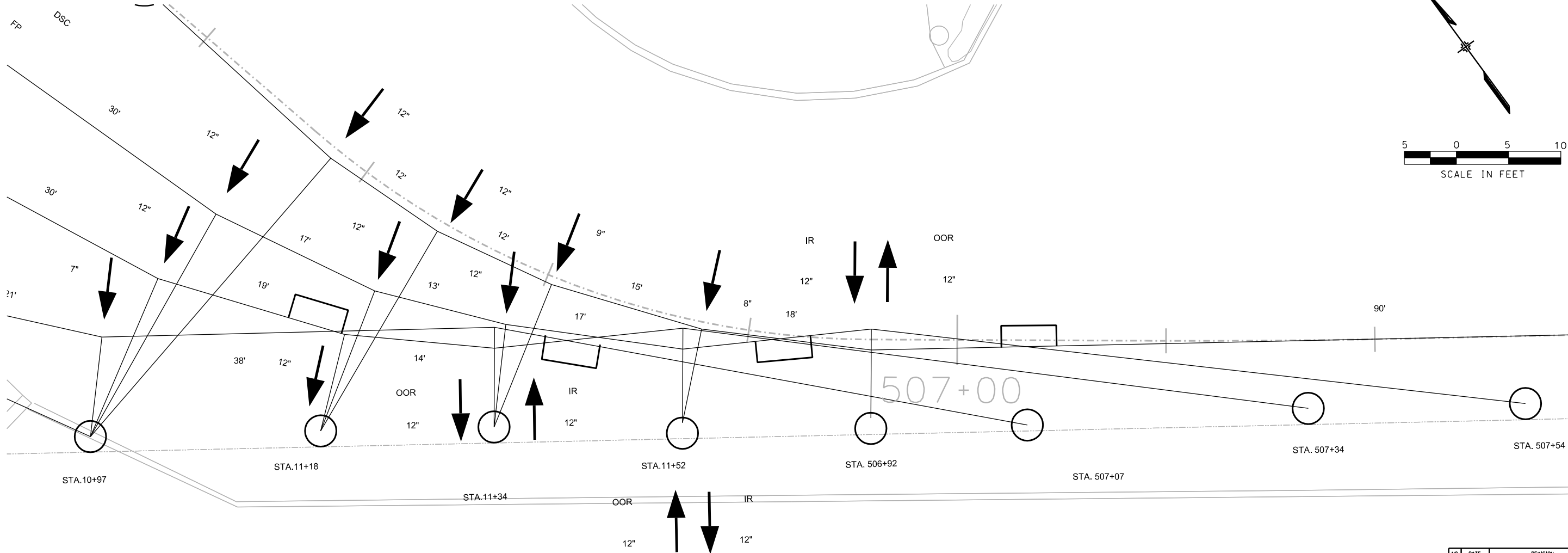
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J165B

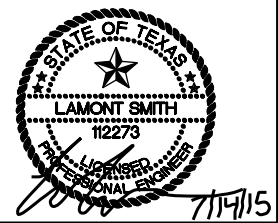
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0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1173	

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CK: URS
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CK: URS

DATE: 7/13/2015 6:09:57 PM
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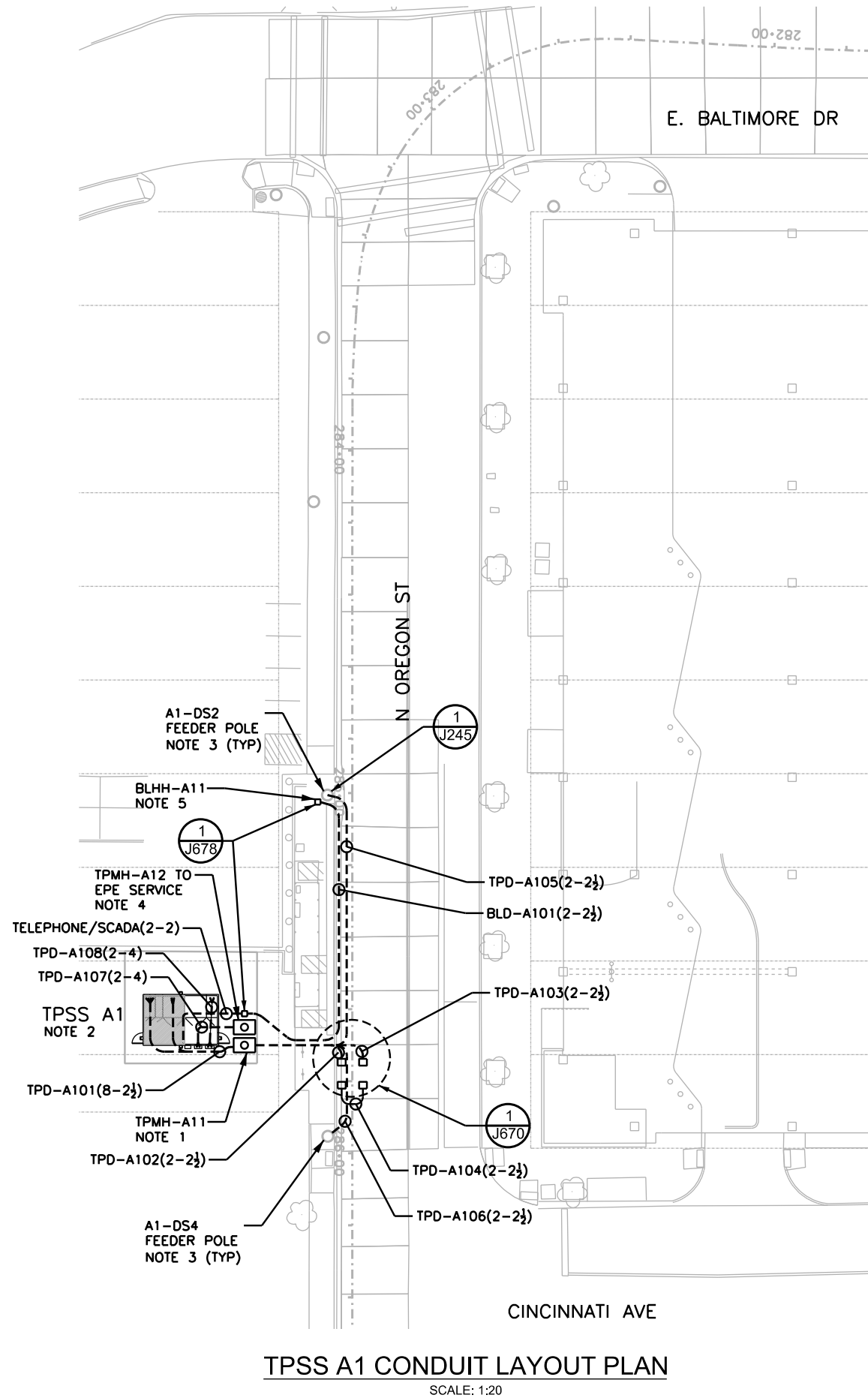
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COEP STREETCAR
OVERHEAD CONTACT SYSTEM
OCS WIRING LAYOUT PLAN
YARD
(ALTERNATE)



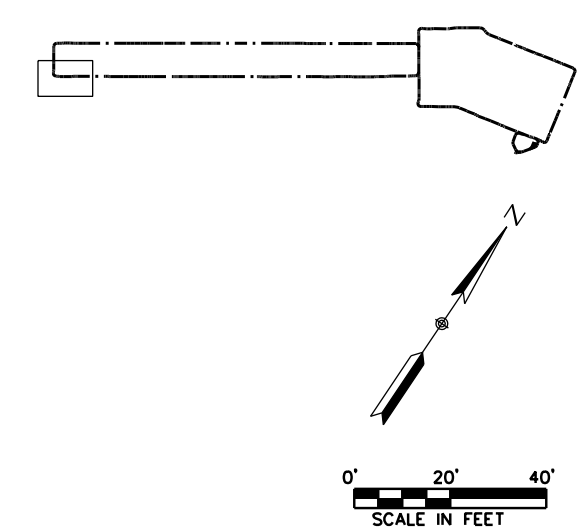
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0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1173A	



ADDENDUM 2 - JULY 14, 2015

NOTES:

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 SERVICE POINT.
5. PROVIDE CONDUIT FROM HANDHOLE TO FEEDER POLE PER DRAWING J245.



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COEP STREETCAR

TPSS A1
CONDUIT LAYOUT
PLAN

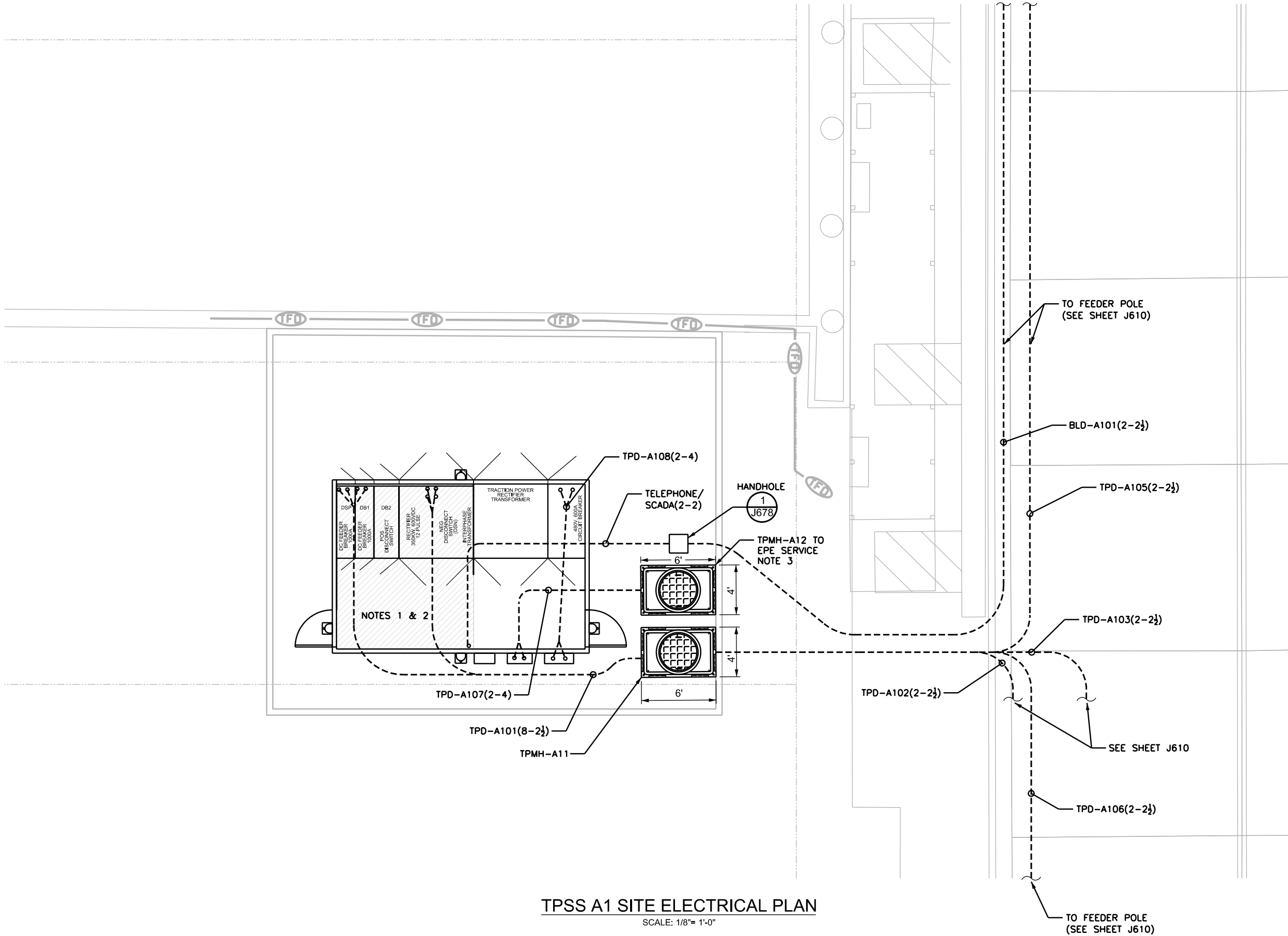


CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY	SHEET NO.	
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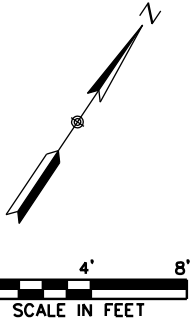
- NOTES:
1. EQUIPMENT DIMENSIONS ARE APPROXIMATE AND FOR REFERENCE ONLY.
 2. COORDINATE EXACT LOCATIONS OF THE CONDUIT STUB UPS WITH THE TPSS MANUFACTURER SHOP DRAWING.
 3. COORDINATE WITH EPE AND PROVIDE CONDUIT FROM TPSS CT CABINET TO EPE SERVICE POINT.

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DATE: 7/13/2015 5:29:57 PM
FILE: W:\Projects\El Paso Streetcar\CADD\TRACTION POWER SHEETS\J611.dgn



TPSS A1 SITE ELECTRICAL PLAN
SCALE: 1/8"= 1'-0"



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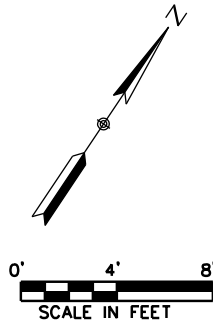
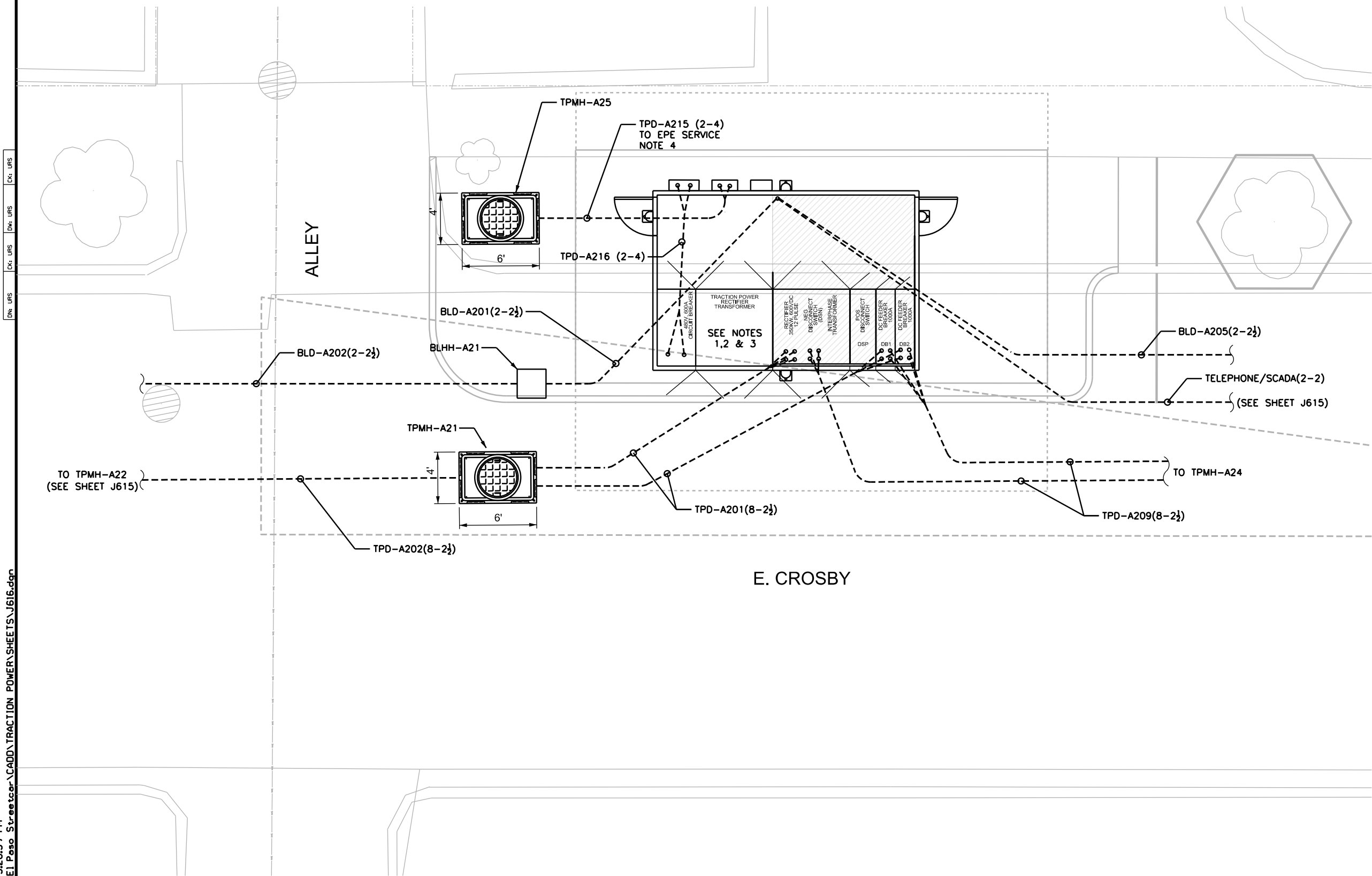
COEP STREETCAR

TPSS A1
SITE ELECTRICAL
PLAN



CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1217	

- NOTES:
- 1. EQUIPMENT DIMENSIONS ARE APPROXIMATE AND FOR REFERENCE ONLY.
 - 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.



DATE: 7/13/2015 5:26:39 PM
FILE: W:\Projects\El Paso Streetcar\CADD\TRACTION POWER\SHEETS\J616.dgn

TPSS A2 SITE ELECTRICAL PLAN
SCALE: 1/8"= 1'-0"

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COEP STREETCAR

TPSS A2
SITE ELECTRICAL
PLAN

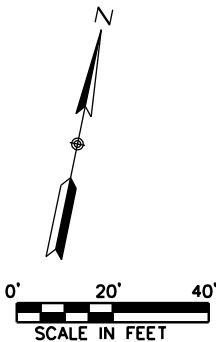
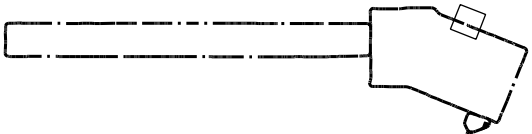
Texas Department of Transportation

J616

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1220	

NOTES:

- 1. EQUIPMENT DIMENSIONS ARE APPROXIMATE AND FOR REFERENCE ONLY.
- 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.
- 6. BLUE LIGHT INSTALLATION DETAILS SHOWN ON SHEET J245.



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COEP STREETCAR

TPSS A3
CONDUIT LAYOUT
PLAN



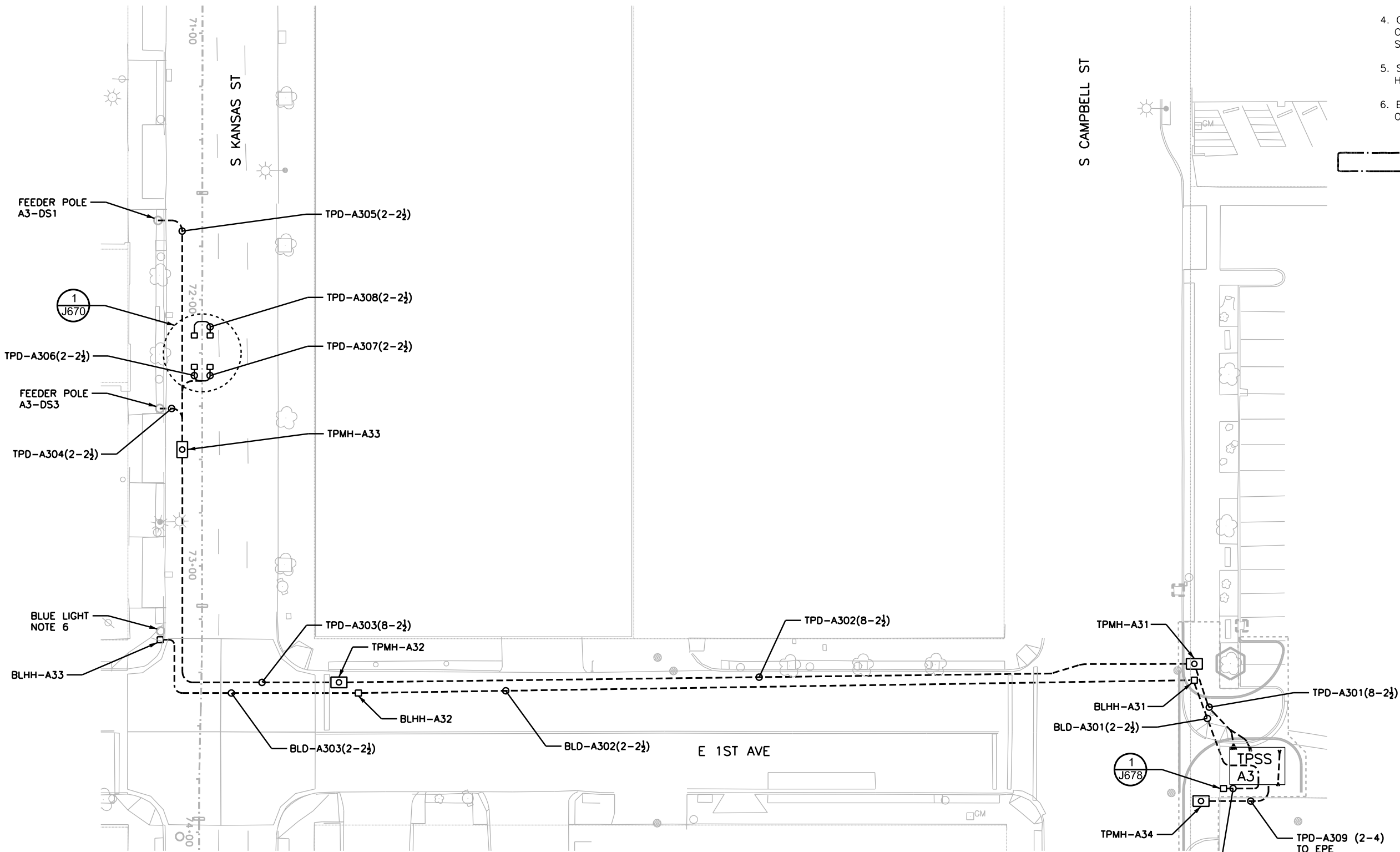
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J620

CONT	SECT	JOB	HIGHWAY
0924	06	446	VARIOUS
DIST	COUNTY	SHEET NO.	
EL PASO	EL PASO	1222	

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TPSS A3 CONDUIT LAYOUT PLAN

SCALE: 1:20