

INFORMATION HANDOUT

MATERIALS INFORMATION

- FIBER OPTIC AS BUILT PLANS IN WORK AREA
- LOCATE COMMUNICATION SYSTEM DETAILS

FOR CONTRACT NO. 07-4X1104
PROJECT NO. 0714000043

INFORMATION HANDOUT

MATERIALS INFORMATION

FIBER OPTIC AS BUILT PLANS IN WORK AREA

ROUTE: 07-LA-2,5-15.1,22.5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 PROJECT ENGINEER
 DAVID PADILLA
 TRAFFIC DESIGN



DIST	COUNTY	ROUTE	KILOMETER TOTAL PROJECT	POST No	SHEET No	TOTAL SHEETS
07	LA	2	23.9/37.2		39	142

11-00
 REGISTERED ELECTRICAL ENGINEER
 5-7-01
 PLANS APPROVAL DATE
 No. E015611
 Exp 12-31-01
 ELECTRICAL
 STATE OF CALIFORNIA
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GENERAL NOTES:

- DISCONNECT EXISTING TELCO DEMARCATION CABLE ONLY AFTER TESTING ALL INSTALLED EQUIPMENT AT EACH TMS AND RMS SITE AND VERIFYING THE INSTALLATION IS OPERATIONAL.
- ALL IRRIGATION CONTROLLERS ARE EXISTING UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL CONDUIT CONTAINING FIBER OPTIC CABLE SHALL ENTER PULL BOXES ON THE SHORT SIDE ONLY. PULL BOXES SHALL NOT BE USED TO CHANGE ALIGNMENT OF COMMUNICATION CONDUIT.
- ALL PULL BOXES AND SPLICE VAULTS SHALL BE INSTALLED IN THE UNPAVED AREA IMMEDIATELY ADJACENT TO THE PAVED SHOULDER OR BEHIND MBGR. CONDUIT SHALL BE DIRECTED FROM THE SHOULDER TO THE BOXES WITH 22.5 DEGREE BENDS.
- REFER TO CONDUIT AND CONDUCTOR SCHEDULES ON PLANS FOR CONDUIT SIZES AND CONDUCTOR TYPES.
- ALL NEW SERVICE EQUIPMENT ENCLOSURES SHALL ALSO HAVE:
 - (1) 1P, 20 A CIRCUIT BREAKER (SPARE)
 - (1) 1P, 30 A CIRCUIT BREAKER (SPARE)
 - (1) 2P, (SPACE FOR FUTURE)

- FOR COMPLETE R/W AND ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT THE DISTRICT OFFICE.
- ALL EXISTING IRRIGATION TO REMAIN AND BE MAINTAINED. EXISTING IRRIGATION NOT SHOWN FOR CLARITY, SEE SHEETS HP-1 TO HP-3 FOR RELOCATION OF IRRIGATION AT THOSE LOCATIONS. SEE CONTRACT PLANS 001404, 002664, 095524, 045394, 256424 AND 373704 FOR EXISTING PLANTING AND IRRIGATION.
- ALL 6P22 CABLES TERMINATING AT A COMMUNICATIONS PULLBOX MUST BE SPLICED IN THE NEW SPLICE CLOSURE. SEE SHEET E-36 FOR DETAILS.
- COMMUNICATION CONDUIT ROUTING WITH FIBER, INSTALLED IN SOIL AND WHERE THE RUN IS LONGER THAN 30 m, SHALL HAVE A FIBER WARNING SIGN. SEE SHEET E-46 FOR DETAILS.
- CONTRACTOR SHALL PROTECT ALL UTILITY FACILITIES IN PLACE DURING CONSTRUCTION.

ABBREVIATIONS: (NOT LISTED IN CALTRANS STANDARD PLANS)

#	-	NUMBER	OW	-	ORDER WIRE (MULTIPLE VOICE CIRCUIT)
AVC	-	AUTOMATIC VEHICLE CLASSIFICATION SYSTEM	P22	-	PAIR 22 AMERICAN WIRE GAUGE
AWG	-	AMERICAN WIRE GAUGE	PAC BELL	-	PACIFIC BELL TELEPHONE COMPANY
B/O	-	BREAKOUT	PDA	-	POWER DISTRIBUTION ASSEMBLY
BC	-	BOLT CIRCLE	PR	-	PAIR
BOH	-	BRIDGE AND OVERHEAD	RCVR	-	RECEIVER
CCR	-	CAMERA CONTROL RECEIVER	RF	-	RADIO FREQUENCY
CIA	-	CONTROLLER INTERFACE ASSEMBLY	RMC	-	RAMP METER CONTROLLER
CTX	-	CLEAR TO SEND	RMS	-	RAMP METERING SYSTEM
COAX	-	COAXIAL CABLE	RTMC	-	REGIONAL TRAFFIC MANAGEMENT CENTER
CODEC	-	CODER/DECODER	RTS	-	REQUEST TO SEND
COMM	-	COMMUNICATION	RX	-	RECEIVE
D4	-	4TH VERSION OF D-SIGNAL FOR TDM	SCE	-	SOUTHERN CALIFORNIA EDISON
DCS	-	DIGITAL CROSS CONNECT SWITCH	SCADA	-	SUPERVISORY CONTROL AND DATA ACQUISITION
DS1	-	DIGITAL TRANSMISSION RATE-1.544 MEGABITS PER SECOND	SCGAS	-	SOUTHERN CALIFORNIA GAS COMPANY
DEMARC	-	DEMARCATION	SCWC	-	SOUTHERN CALIFORNIA WATER COMPANY
DEC	-	DECODER	72SMFO	-	72 SINGLE MODE FIBER OPTIC CABLE
DTMF	-	DUAL-TONE MULTI-FREQUENCY DECODER	SCRRA	-	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
DWP	-	LA DEPARTMENT OF WATER AND POWER	SPRR	-	SOUTHERN PACIFIC RAILROAD
(E)	-	EXISTING	STC	-	SCREENED TRANSMISSION CABLE
FDI	-	FIBER DISTRIBUTION FRAME	TPW	-	TWISTED WIRE PAIR
FDU	-	FIBER DISTRIBUTION UNIT	TX	-	TRANSMIT
GTE	-	GENERAL TELEPHONE AND ELECTRIC	VE	-	VENTURA
GDC	-	GENERAL DATA COMM	VMX	-	VIDEO MULTIPLEXER
GL	-	GLENDALE	VX	-	VIDEO TRANSCEIVER
GPSD	-	GLENDALE POWER SERVICES DEPARTMENT	WIM	-	WEIGH IM MOTION CONTROLLER
JKFD	-	JACKFIELD	XMTR	-	TRANSMITTER
LA	-	LOS ANGELES			
MUX	-	MULTIPLEX			

LEGEND: (NOT LISTED IN CALTRANS STANDARD PLANS)

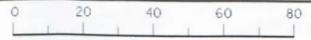
	SPLICE VAULT
	EXISTING SPLICE VAULT
	TYPE 334 TV CABINET, FOR: CCTV, CABLE NODE DATA AND VIDEO NODES CABINET
	CCTV CAMERA POLE LOCATION
	COMMUNICATION PULL BOX
	PUMP
	EXISTING DATA, VIDEO OR CABLE NODE TYPE 334 TV CABINET
	EXISTING SPLICE VAULT
	OPTICAL FIBER CABLE
	EXISTING PIEZOELECTRIC OR AVC SENSORS
	EXISTING ELECTRIC VAULT
	ELECTRICAL POWER CONDUIT(S)
	EXISTING ELECTRICAL POWER CONDUIT(S)
	EXISTING DRAINAGE FLOW LINE
	EXISTING IRRIGATION CONTROLLER
50P22 TPC	50 PAIRS TWISTED PAIR CABLE SIZE 22
6P22 TPC	6 PAIRS TWISTED PAIR CABLE SIZE 22

AS-BUILT
 Contract No. 07- **129944**
 Resident Engineer: **H. MANNA**
 Completion Date: **01/ 21/ 03**

LEGEND AND NOTES

E-1

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS



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 DGN FILE => 712994u01.dgn

CU 07388

EA 129941

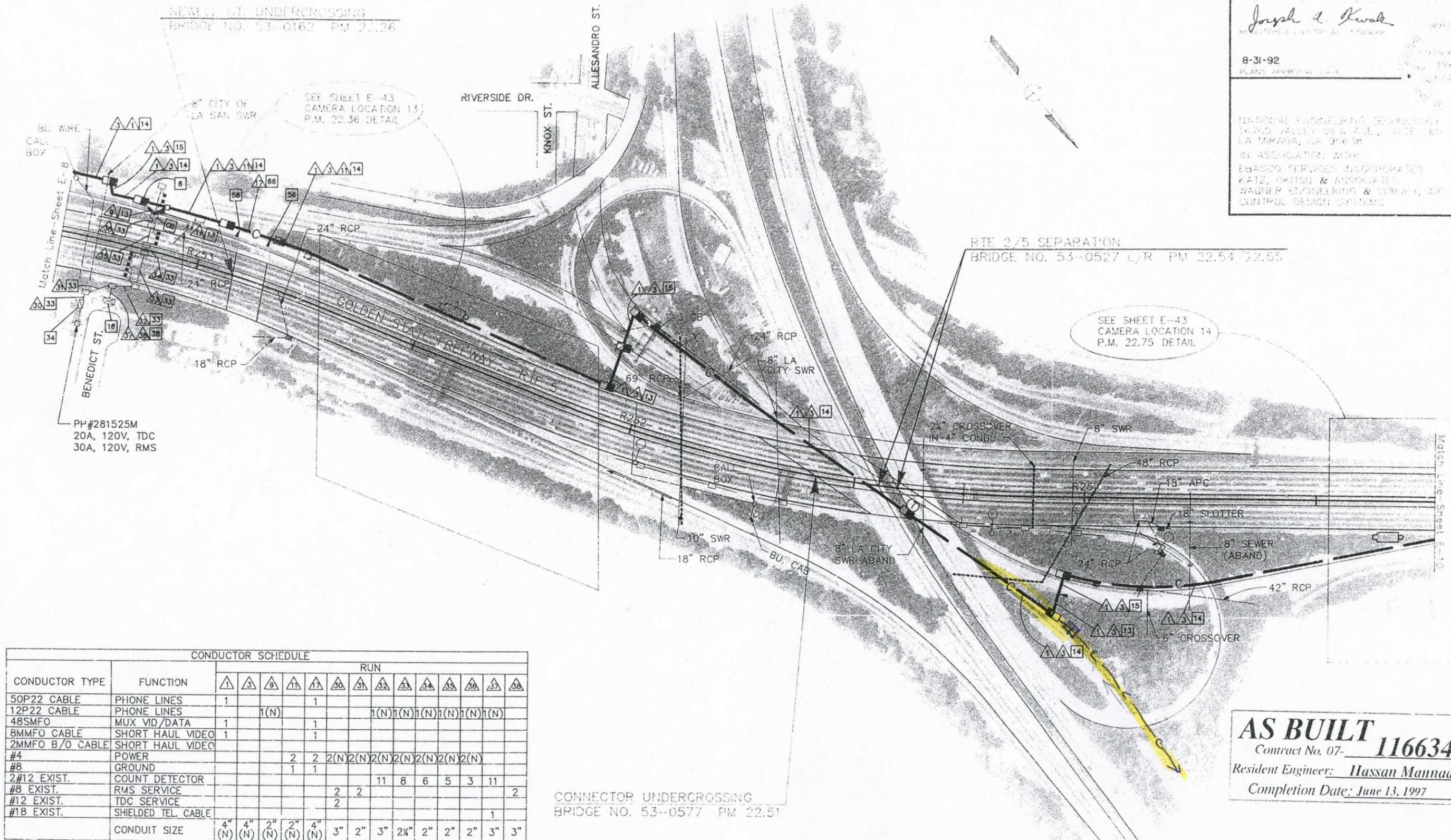
DATE PLOTTED => 29-MAY-2007
 TIME PLOTTED => 09:31
 LAST REVISION
 00-00-00

DATE: 10 16.9146.2.50.1 31 153
Joseph L. Kwak
 REGISTERED PROFESSIONAL ENGINEER
 8-31-92
 PLANS APPROVED
 NATIONAL ENGINEERING TECHNOLOGY
 1620 S. VALLEY VIEW AVE., SUITE 100
 LA MIRADA, CA 90618
 IN ASSOCIATION WITH
 EBASCO SERVICES INCORPORATED
 KATZ, OKISHI & ASSOCIATES
 WAGNER ENGINEERING & SURVEY, INC.
 CONTROL DESIGN SYSTEMS

DATE: 3/23/92
 REVISION: 1/2
 CHECKED BY: JK
 DESIGNED BY: JK
 CALCULATED BY: JK

DESIGN OVERSIGHT
 GLORIA GWYNNE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 116634 DWG VLY 03/14/92



CONDUCTOR TYPE	FUNCTION	CONDUCTOR SCHEDULE															
		RUN															
		1	3	9	11	17	30	31	32	33	34	35	36	37	38		
50P22 CABLE	PHONE LINES	1				1											
12P22 CABLE	PHONE LINES			1(N)					1(N)	1(N)	1(N)	1(N)	1(N)	1(N)	1(N)		
48SMFO	MUX VID/DATA	1				1											
8MMFO CABLE	SHORT HAUL VIDEO	1				1											
2MMFO B/O CABLE	SHORT HAUL VIDEO																
#4	POWER				2	2	2(N)	2(N)	2(N)	2(N)	2(N)	2(N)	2(N)	2(N)	2(N)		
#8	GROUND				1	1											
2#12 EXIST.	COUNT DETECTOR								11	8	6	5	3	11			
#8 EXIST.	RMS SERVICE						2	2									
#12 EXIST.	TDC SERVICE						2										
#18 EXIST.	SHIELDED TEL. CABLE														1		
	CONDUIT SIZE	4"	4"	2"	2"	4"	3"	2"	3"	2 1/2"	2"	2"	2"	2"	3"	3"	

CONNECTOR UNDERCROSSING
 BRIDGE NO. 53-0577 PM 22.51

AS BUILT 116634
 Contract No. 07-116634
 Resident Engineer: Hassan Mannaa
 Completion Date: June 13, 1997

FOR LEGEND AND PROJECT NOTES SEE SHEET E-1

NOTE: FOR COMPLETE R/W AND ACCURATE ACCESS DATA, SEE R/W RECORD MAPS AT THE DISTRICT OFFICE.

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL AND CONFLICTING UTILITIES ONLY

CCTV AND COMMUNICATIONS SYSTEM (LAYOUT)

E:\DWG NET 3\23\92

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

DESIGN OVERSIGHT

GLORIA GWYNNE

CHECKED BY

DATE REVISION

DATE REVISION

DATE REVISION

PROJECT NOTES

- 1. INSTALL TYPE III-RF SERVICE EQUIPMENT ENCLOSURE ON NEW FOUNDATION.
- 2. INSTALL CAMERA POLE (TYPE 15) ON EXISTING SIGN STRUCTURE POLE. SEE STRUCTURES SHEETS FOR DETAILS. INSTALL CAMERA ON POLE. SEE SHEET E-75 FOR CAMERA INSTALLATION DETAILS.
- 3. INSTALL CAMERA POLE (TYPE 30) AND FOUNDATION. SEE STRUCTURES SHEETS FOR DETAILS. INSTALL CAMERA ON POLE. SEE SHEET E-75 FOR CAMERA INSTALLATION DETAILS.
- 4. INSTALL CAMERA POLE (TYPE 40) AND FOUNDATION. SEE STRUCTURES SHEETS FOR DETAILS. INSTALL CAMERA ON POLE. SEE SHEET E-75 FOR CAMERA INSTALLATION DETAILS.
- 5. INSTALL CAMERA POLE (TYPE 45) AND FOUNDATION. SEE STRUCTURES SHEETS FOR DETAILS. INSTALL CAMERA ON POLE. SEE SHEET E-75 FOR CAMERA INSTALLATION DETAILS.
- 6. INSTALL NO. 6(T) PB (MODIFIED) WITH TWISTED PAIR SPICE CLOSURE. SEE DETAIL B, SHEET E-69.
- 7. INSTALL TYPE 334-TV CABINETS (2) ON NEW FOUNDATION. CABINETS TO INCLUDE CAMERA CONTROL RECEIVER, EQUIPMENT AT DATA NODE AND EQUIPMENT AT VIDEO NODE. SEE DETAIL B, SHEET E-74.
- 8. INSTALL TYPE 334-TV CABINET ON NEW FOUNDATION. CABINET TO INCLUDE CAMERA CONTROL RECEIVER, VIDEO TRANSMITTER AND VIDEO REPEATER. SEE DETAIL A, SHEET E-74.
- 9. INSTALL TYPE 334-TV CABINET ON NEW FOUNDATION. CABINET TO INCLUDE CAMERA CONTROL RECEIVER AND VIDEO TRANSMITTER. SEE DETAIL A, SHEET E-73.
- 10. INSTALL TYPE 334-TV CABINET ON NEW FOUNDATION. CABINET TO INCLUDE CAMERA CONTROL RECEIVER, VIDEO TRANSMITTER AND EQUIPMENT AT DATA NODE. SEE DETAIL C, SHEET E-73.
- 11. INSTALL TYPE 334-TV CABINET ON NEW FOUNDATION. CABINETS TO INCLUDE CAMERA CONTROL RECEIVER AND EQUIPMENT AT VIDEO NODE. SEE DETAIL B, SHEET E-73.
- 12. JACK 4" GALVANIZED STEEL CONDUIT BENEATH ROADWAY. SEE DETAIL B, SHEET E-65.
- 13. INSTALL CONDUIT(S) IN 6" WIDE TRENCH IN DIRT OFF SHOULDER, WITHIN 10' OF EDGE OF SHOULDER. SEE SHEETS E-61 AND E-64 FOR DETAILS.
- 14. INSTALL CONDUIT(S) IN 8" WIDE TRENCH IN ASPHALT SHOULDER, MAINTAINING 4' MINIMUM DISTANCE FROM EDGE OF TRAVELWAY. SEE SHEETS E-62 AND E-64 FOR DETAILS.
- 15. JACK TWO 4" GALVANIZED STEEL CONDUITS BENEATH ROADWAY. SEE DETAIL C, SHEET E-65.
- 16. INSTALL COMMUNICATIONS TERMINAL BLOCK AND TELEPHONE BRIDGE IN EXISTING CONTROLLER CABINET. SEE SHEET E-71 FOR DETAILS.
- 17. PRUNE PLANTS AFTER CAMERA IS INSTALLED AND OPERATING. ENGINEER TO VERIFY THAT FINAL VIEW IS UNOBSCURED.
- 18. INSTALL BD-3 PEDESTAL FOR COMMUNICATIONS. SEE SHEET E-72 FOR DETAILS.
- 19. INSTALL CONDUIT(S) IN 6" WIDE SAWCUT TRENCH IN CONCRETE SIDEWALK, MAINTAINING 4' MINIMUM DISTANCE FROM EDGE OF TRAVELWAY. SEE SHEETS E-63 AND E-64 FOR DETAILS.
- 28. INSTALL 3" STL CONDUIT. ELECTRIC UTILITY COMPANY TO INSTALL 3 #2 CONDUCTORS.
- 29. ELECTRIC UTILITY COMPANY TO INSTALL METER.
- 30. INSTALL 3" CONDUIT TYPE H SERVICE RISER ON POWER POLE.
- 31. INSTALL 240V/120V STEP DOWN TRANSFORMER IN PULL BOX.
- 32. JACK 2" GALVANIZED STEEL CONDUIT BENEATH ROADWAY. SEE DETAIL A, SHEET E-65.
- 33. ADD SERVICE (AND COMMUNICATIONS) CONDUCTORS IN EXISTING CONDUIT.
- 34. INSTALL 15A, 120V CIRCUIT BREAKER FOR CAMERA AND TYPE 334-TV CABINET.
- 35. REMOVE EXISTING SERVICE RISER FROM POWER POLE.
- 36. INSTALL 20A, 120V CIRCUIT BREAKER FOR CONTROLLER CABINET.
- 37. INSTALL 2 15A, 120V CIRCUIT BREAKERS FOR CAMERAS AND TYPE 334-TV CABINETS.
- 38. ADD COMMUNICATIONS CABLE(S) TO EXISTING CONDUIT.

- 39. INSTALL 15A, 240V CIRCUIT BREAKER FOR CAMERA AND TYPE 334-TV CABINET.
- 40. INSTALL 40A, 120V CIRCUIT BREAKER FOR CONTROLLER CABINET.
- 41. INSTALL 20A, 120V CIRCUIT BREAKER FOR CONTROLLER CABINET.
- 42. INSTALL 40A, 240V CIRCUIT BREAKER FOR FREEWAY LIGHTING.
- 43. INSTALL 40A, 240V CIRCUIT BREAKER FOR FREEWAY SIGN(S).
- 51. ATTACH RISER CONDUIT TO FACE OF ABUTMENT WALL WITH TWO-HOLE PIPE STRAPS. LOCATE IN LINE WITH CONDUIT LOCATION ON STRUCTURE. SEE DETAIL A, SHEET E-87.
- 52. ATTACH RISER CONDUIT TO FACE OF COLUMN OR PIER WALL WITH TWO-HOLE PIPE STRAPS. LOCATE RISER IN LINE WITH CONDUIT LOCATION ON STRUCTURE. SEE DETAIL B, SHEET E-88.
- 53. ATTACH RISER CONDUIT TO FACE OF WING WALL AND/OR ABUTMENT WALL WITH TWO-HOLE PIPE STRAPS. LOCATE IN LINE WITH CONDUIT LOCATION ON STRUCTURE. SEE DETAIL C, SHEET E-88.
- 54. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL R, SHEET E-91.
- 55. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL J, SHEET E-91.
- 56. CORE HOLE IN CONCRETE WALL AT LOCATION REQUIRED BY PLACEMENT OF CONDUIT ON STRUCTURE. DIAMETER OF CORED HOLE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT PLUS 1/2 INCH. SEE DETAIL D, SHEET E-89.
- 57. INSTALL CONDUIT(S) IN NEW CONCRETE PAV AT FACE OF TYPE 9 RAIL ON WING WALL. TRANSITION CONDUIT(S) FROM NEW CONCRETE SECTION TO TRENCH IN BACKFILL NEAR END OF WING WALL. SEE RAIL MODIFICATIONS SAN FERNANDO ROAD OVERHEAD BARRIER DETAILS.
- 58. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL E, SHEET E-90.
- 59. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL P, SHEET E-90.
- 60. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL L, SHEET E-90.
- 61. ATTACH CONDUIT WITH PIPE HANGER STRAPS TO BOTTOM SOFFIT OF BRIDGE DECK SLAB IN INTERIOR BAY. LOCATE CONDUIT TO CLEAR BRACING. SEE DETAIL I, SHEET E-92.
- 66. ATTACH CONDUIT TO OUTSIDE OF BRIDGE RAIL. INSTALL COVER OVER CONDUIT. SEE DETAIL O, SHEET E-93.
- 68. DRILL AND BOND REINFORCING STEEL IN HORIZONTAL SURFACE BEHIND TYPE 27 RAIL. PLACE CONDUIT(S) ON HORIZONTAL OR VERTICAL POSITION TO CLEAR EXISTING FACILITIES. ENCASE CONDUITS IN CONCRETE. SEE DETAIL N, SHEET E-92.
- 70. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL F, SHEET E-90.
- 71. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN UTILITY VOID AND REPLACE CONCRETE. SEE DETAIL G, SHEET E-90.
- 72. ATTACH CONDUIT WITH ONE-HOLE PIPE STRAPS TO OUTSIDE OF RAIL POST. LOCATE CONDUIT AT SAME ELEVATION AS BOTTOM CHANNEL OF RAIL. SEE DETAIL H, SHEET E-90.
- 73. CONSTRUCT TYPE 25M-9 BARRIER AT FACE OF EXISTING TYPE 9 BARRIER RAIL. INSTALL CONDUIT IN NEWLY CONSTRUCTED RAIL. SEE MODIFICATIONS SAN FERNANDO ROAD OVERHEAD BARRIER DETAILS.
- 74. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL M, SHEET E-91.
- 75. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL K, SHEET E-89.
- 76. SAW CUT AND TRENCH IN CONCRETE SIDEWALK. INSTALL CONDUIT(S) IN TRENCH AND REPLACE CONCRETE. SEE DETAIL S, SHEET E-89.
- 79. CONNECT NEWLY INSTALLED CONDUIT TO EXISTING CONDUIT.

GENERAL NOTES

- 1. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON PLAN WERE OBTAINED FROM OWNER'S RECORDS AND/OR OWNER'S PLANS.
- 2. THE LOCATION OF UNDERGROUND FACILITIES SHOWN ON PLAN ARE APPROXIMATE.
- 3. BLANK
- 4. THE LOCATIONS OF EXISTING CONTROLLER CABINETS, EXISTING SERVICE ENCLOSURES, POWER POLES AND EXISTING DEMARCATION BOXES ARE APPROXIMATE.
- 5. THE LOCATIONS OF PROPOSED CCTV POLES AND TOWERS SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER PRIOR TO PLACEMENT OF FOUNDATIONS.
- 6. THE LOCATIONS OF PROPOSED CABINETS, PULL BOXES, SPICE VAULTS AND DEMARCATION BOXES ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 7. TYPE 334-TV CABINET DOOR SWING SHOWN ON NEW CABINETS INDICATES FRONT DOOR.
- 8. EXISTING DETECTOR LOOPS AND CONDUITS ARE SHOWN IN THE VICINITY OF PROPOSED CONDUIT TRENCHES. CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO EXISTING CONDUITS. TRENCHING WITH HAND TOOLS MAY BE REQUIRED.
- 9. BEFORE REMOVING OR MODIFYING ANY EXISTING ELECTRICAL FACILITIES, THE CONTRACTOR SHALL PROVIDE 72 HOUR ADVANCED WRITTEN NOTICE TO ALL AGENCIES CONCERNED.
- 10. FOR SUPPLEMENTAL LEGEND, SEE STANDARD PLANS ES-1A AND ES-1B.
- 11. UNLESS OTHERWISE NOTED, ALL CONDUIT BENDS SHALL BE 4 FOOT RADIUS FACTORY BENDS.
- 12. ALL CONDUITS IN CONDUCTOR SCHEDULE TABLES ARE EXISTING UNLESS MARKED (N) INDICATING PROPOSED NEW CONDUIT. ALL CONDUCTORS IN PROPOSED NEW CONDUITS ARE NEW. ALL CONDUCTORS IN EXISTING CONDUITS ARE EXISTING UNLESS MARKED (N).
- 13. PVC, WHERE CALLED OUT IN THESE PLANS, SHALL MEAN RIGID NON-METALLIC CONDUIT AS DEFINED IN THE STANDARD SPECIFICATIONS.
- 14. ALL NO. 5 AND NO. 6 PULLBOXES ARE THE TRAFFIC TYPE WHETHER OR NOT THE PULLBOX IS IDENTIFIED WITH A (T) MODIFIER.

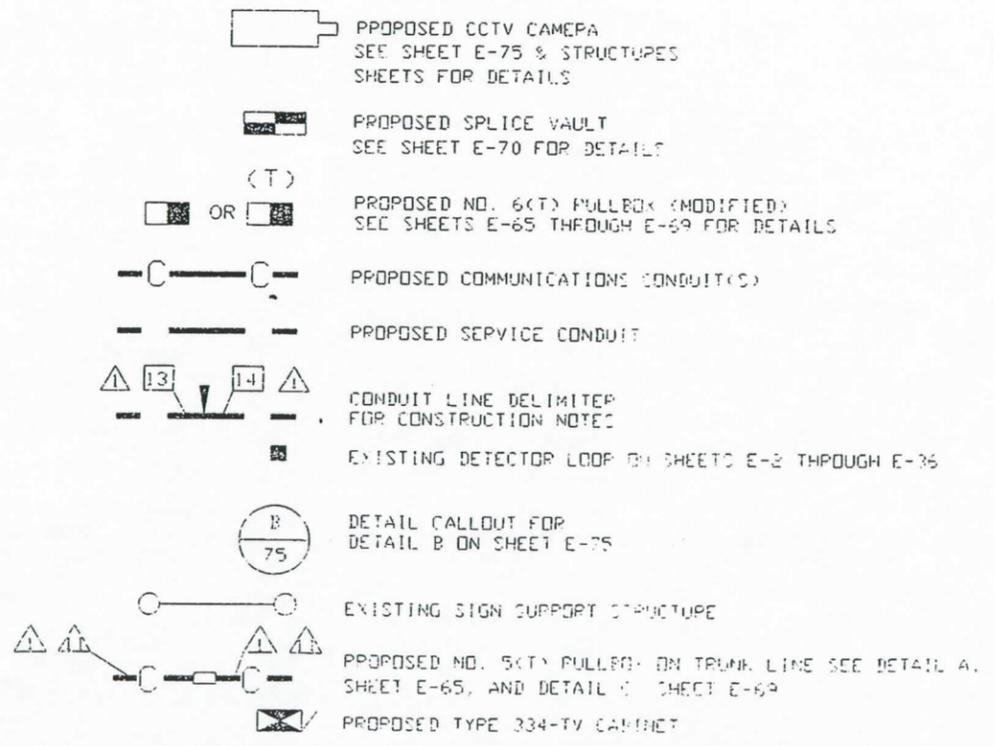
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07	LA	5/10	16.9/46.2,SOJ	23	153

Joseph A. Kassar 3/23/92
REGISTERED ELECTRICAL ENGINEER (Date)

8-31-92
PLANS - ELECTRICAL

NATIONAL ENGINEERING TECHNOLOGY
16700 VALLEY VIEW AVE., SUITE 260
LA MIRADA, CA 90638
IN ASSOCIATION WITH:
EBS&S SERVICES INCORPORATED
KATZ, HITSU & ASSOCIATES
WACHS ENGINEERING & SURVEY, INC
CONTROL DESIGN SYSTEMS

LEGEND



AS BUILT
Contract No. 07-116634
Resident Engineer: Hassan Mannaa
Completion Date: June 13, 1997

LEGEND AND NOTES

FOR CONTRACT NO. 07-4X1104
PROJECT NO. 0714000043

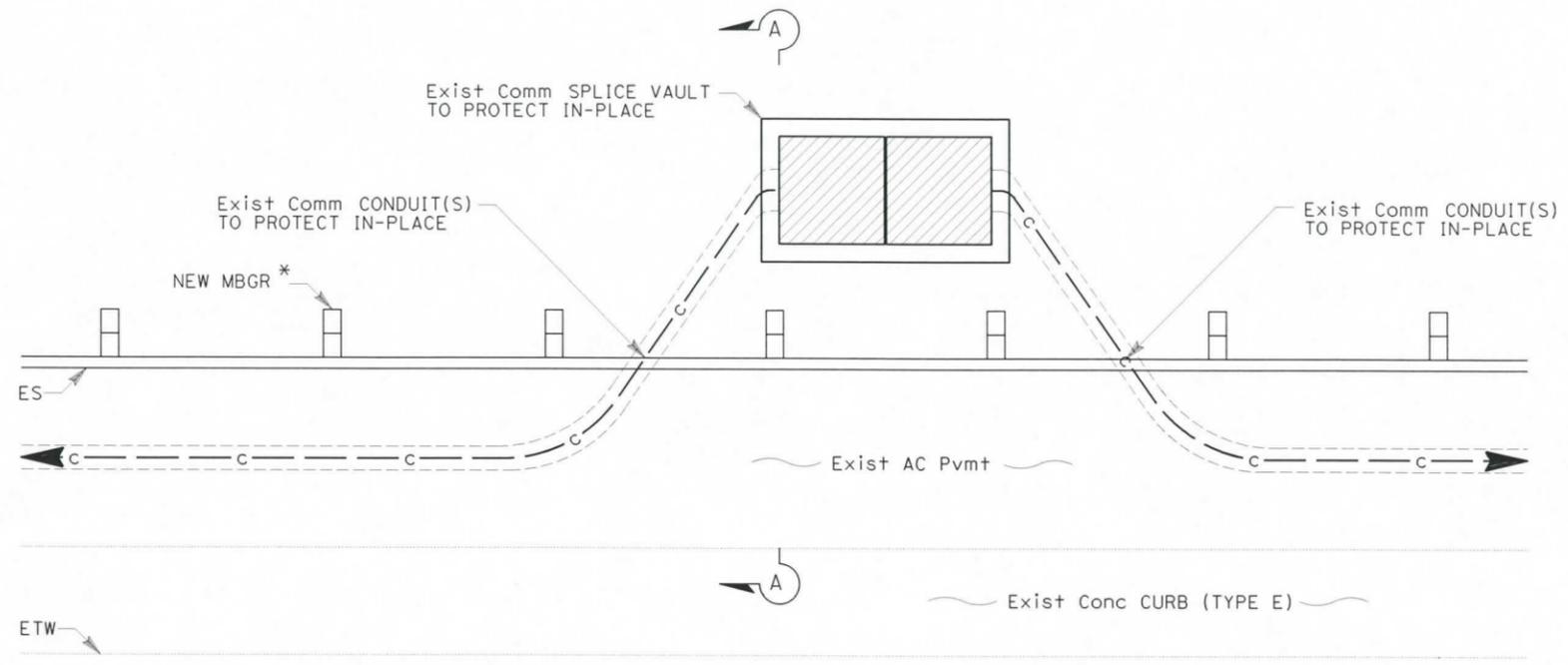
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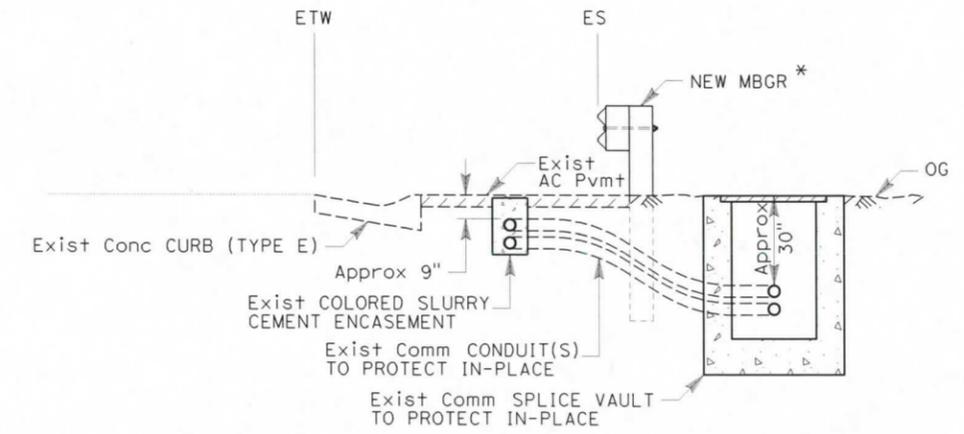
LOCATE COMMUNICATION SYSTEM DETAILS

ROUTE: 07-LA-2,5-15.1,22.5

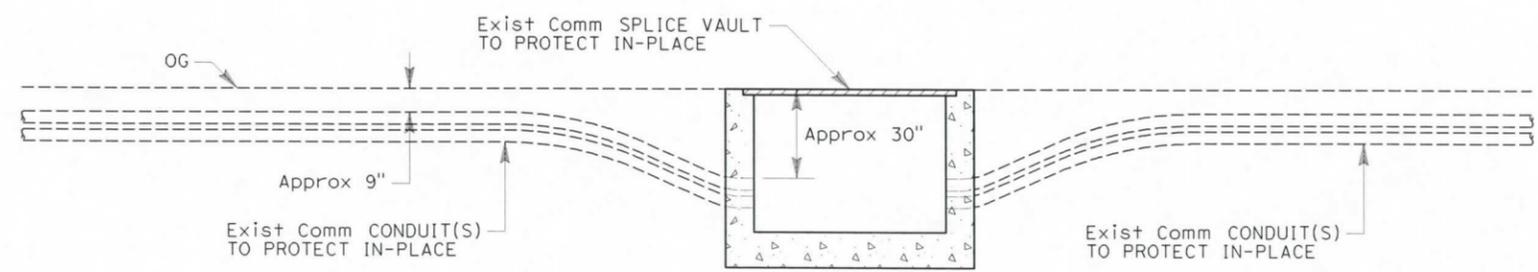
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



TYPICAL PLAN
NO SCALE
* FOR INFORMATION ONLY



TYPICAL SECTION A-A
NO SCALE
* FOR INFORMATION ONLY



TYPICAL ELEVATION
NO SCALE

LOCATE COMMUNICATION SYSTEM DETAILS

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 REVISIONS: (Grids X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ)

LAST REVISION DATE PLOTTED => 24-SEP-2013 00-00-00 TIME PLOTTED => 10:14