

REV. NO.	REV. DATE	REV. BY	EXISTING CAST IRON KING FERRONITE ELECTROLIERS AND KING FERRONITE W/ MODIFIED HEADS AND EXTENDERS TO BE RELOCATED	DIGITIZED VERSION APPROVED BY CITY ENGINEER <i>Finbar J. O'Regan</i>
3	6/1/2000	HLE/RH		
DIGITIZED			1/1/90	DATE: 01/09/02
DWG. BY	RC	SCALE	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES DWG. DATED
CK. BY		NONE		10/7/93

**GENERAL RELOCATION INSTRUCTIONS FOR
DOWNTOWN KING FERRONITE ELECTROLIERS.**

FOUNDATION:

CONCRETE - 5 SACK/1-1/2" ROCK
 BOLT CIRCLE - 17-1/4" (VERIFY WITH UNIT BEING RELOCATED)
 THREADED ANCHOR BOLTS - 24" X 4" X 1" GALV. WITH DOUBLE NUTS
 CENTER HOLE - 6" DIA. X 3'-0" DEEP
 WIRE - LEAD WIRE MAY NOT BE USED

STIFFARM:

EXTEND 3'-0" INTO NEW LUMINAIRE PVC, CENTERED, SAND PACKED,
 AND GROUTED, TYP.

CONDUIT:

1-1/2" RIGID MINIMUM. REPLACE AS REQUIRED. BOND ALL
 CONDUITS.

STANDARD:

REMOVE TOP SECTION BEFORE ATTEMPTING TO PULL STANDARD.
 STANDARD IS CAST IRON. PAST EXPERIENCE HAS SHOWN THAT A
 CRANE IS REQUIRED TO MOVE THE UNIT. CENTER STIFFENER IS
 EMBEDDED IN CRUSHED ROCK AND CAPPED WITH CONCRETE. CAP
 SHOULD BE BROKEN BEFORE ATTEMPTING TO PULL STANDARD.

BALLAST: AS REQUIRED TO MATCH EXISTING CIRCUIT.

EXTENDER: SEE EXTENDER DETAIL: "PUMCO" DWG. NO. 41091-D87.

HEAD: COBRA STYLE WITH PHOTO ELECTRIC CELL.

WIRE:

EXISTING SERIES CIRCUIT
 #8 SOLID COPPER - 8000V
 POLY INSULATION 120 MIL
 PVC JACKET 47 MIL
 SINGLE CONDUIT
 PARALLEL CIRCUITS
 MIN. #8 - 600V

REPAIR DOOR AND HARDWARE IF NECESSARY.
 REPAIR RUST-OUTS, ETC.
 SAND ALL FLAKING, RUST OR LOOSE PAINT OFF ENTIRE UNIT.

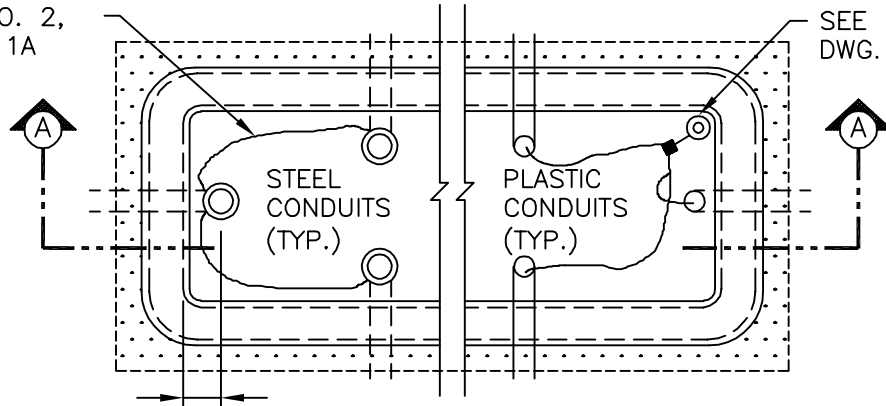
PAINT:

COBRA STYLE INSTALLATION: SHERWIN-WILLIAMS #F63-SXG-8692-8127
 LOW LEAD "STOCKTON GREEN".
 KING FERRONITE STYLE INSTALLATION: SHERWIN WILLIAMS
 #F63-SXG-8692-8127 LOW LEAD "STOCKTON GREEN" OR
 AMERICAN 179A "GROTTO GREEN".

REV. NO.	REV. DATE	REV. BY	EXISTING CAST IRON KING FERRONITE ELECTROLIERS AND KING FERRONITE W/ MODIFIED HEADS AND EXTENDERS TO BE RELOCATED	DIGITIZED VERSION APPROVED BY CITY ENGINEER	
3	6/1/2000	HLE/RH		Finbar J. O'Regan DATE: 01/09/02	
DIGITIZED	1/1/90		CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES DWG. DATED	DRAWING NO.
DWG. BY	RC	SCALE		10/7/93	110A
CK. BY	NONE				

SEE NOTE NO. 2,
DWG. NO. 111A

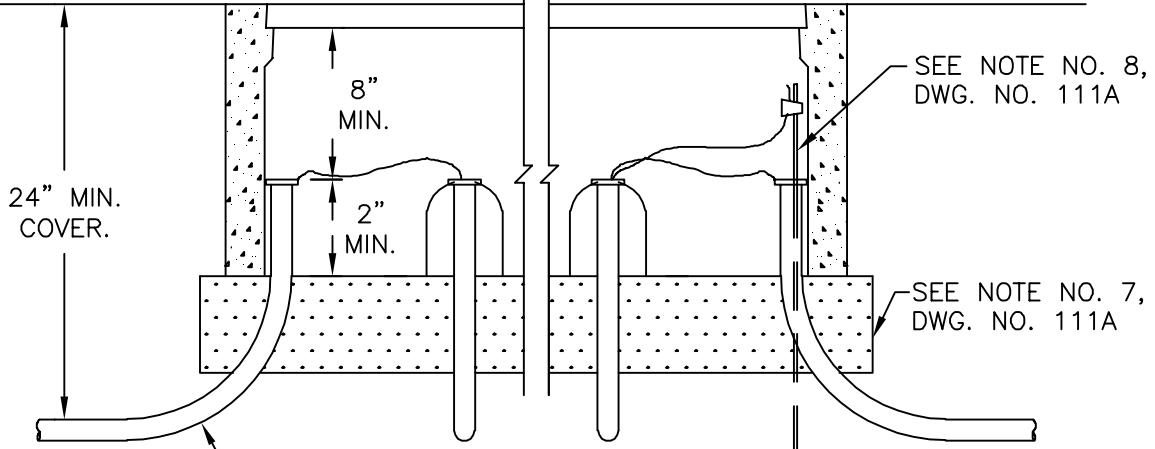
SEE NOTE NO. 1,
DWG. NO. 111A



SEE NOTE NO. 3,
DWG. NO. 111A

PLAN

FINISHED GRADE

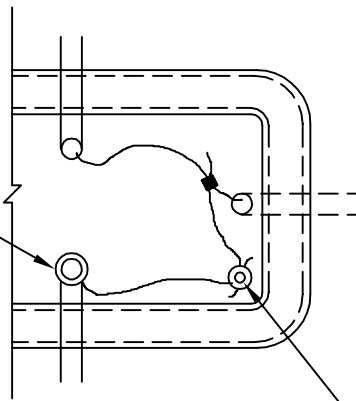


SEE NOTE NO. 6,
DWG. NO. 111A

SECTION A-A

GROUNDING ROD

STEEL CONDUIT
RISER TO
STANDARD.



SEE NOTE NO. 8,
DWG. NO. 111A

GROUNDING DETAIL

REV. NO.	REV. DATE	REV. BY
3	6/1/2000	HLE/RH
DIGITIZED		7/1/91
DWG. BY	RC	SCALE
CK. BY		NONE

CONDUIT PULL BOX

CITY OF STOCKTON
DEPARTMENT OF PUBLIC WORKS

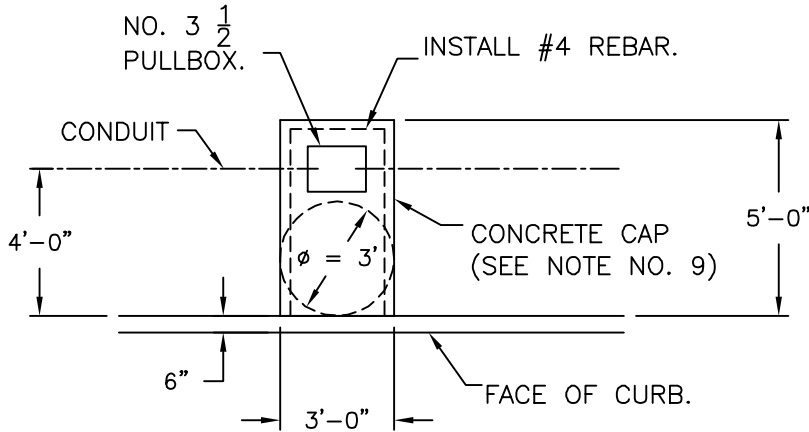
REVISION APPROVED BY CITY ENGINEER

Finbar J. O'Regan
DATE: 01/09/02

SUPERCEDES
DWG. DATED
10/7/93

DRAWING NO.
111

(CONT'D FROM DWG. 111)

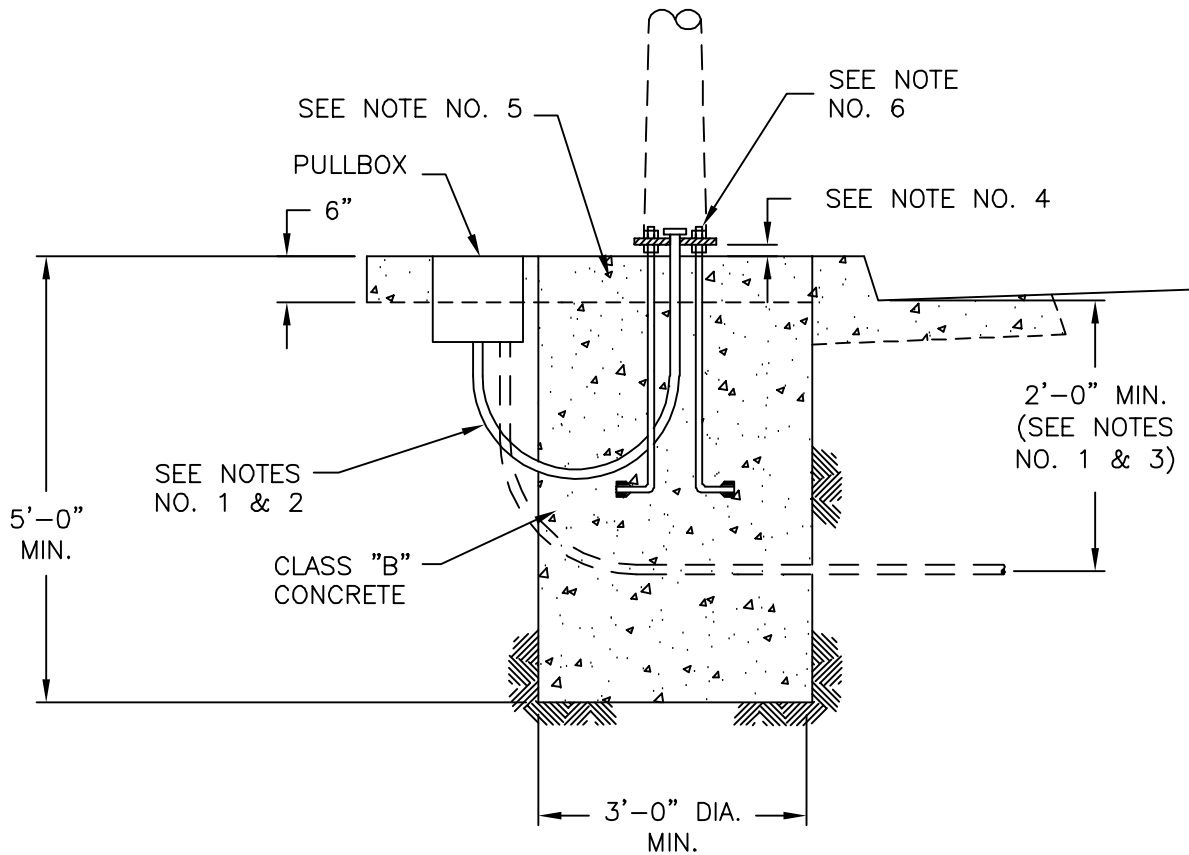


CONCRETE CAP FOR STREET LIGHTING

NOTES:

1. ALL NONMETALLIC CONDUIT SHALL HAVE A NO. 8 STRANDED (WITH GREEN INSULATION) COPPER BONDED/GROUNDING WIRE. (EXCEPT THE CONDUIT BETWEEN THE P.G.&E. SERVICE POINT/POLE AND THE FIRST STREET LIGHT PULL BOX). THESE BONDING/GROUNDING WIRES SHALL BE CONNECTED IN THE PULL BOX WITH CABLE CONNECTORS – BURNDY–SERVIT NO. KS–15 OR AN APPROVED EQUAL MEETING CALTRANS SPECIFICATIONS.
2. ENDS OF ALL STEEL CONDUITS ENTERING PULL BOX SHALL BE CAPPED WITH O–Z, TYPE "GB" BRONZE GROUNDING BUSHINGS AND CONNECTED TOGETHER WITH NO. 8 SOLID COPPER WIRE.
3. CONDUIT SHALL NOT EXTEND MORE THAN 3" INTO PULL BOX (TYPICAL ON ALL LOCATIONS).
4. MIDRUN PULL BOXES SHALL BE INSTALLED AT A DISTANCE OF NO MORE THAN 2'–0" FROM THE BACK OF CURB (IF NO SIDEWALK EXISTS) OR 2'–0" FROM THE BACK OF WALK (IF SIDEWALK EXISTS).
5. AFTER CONDUCTORS HAVE BEEN INSTALLED, THE ENDS OF CONDUITS TERMINATING IN PULL BOXES SHALL BE SEALED WITH AN APPROVED SEALING COMPOUND.
6. ON ALL TRAFFIC SIGNAL CONDUIT USE ONLY 90° SWEEP.
7. SET PULL BOX ON TOP OF 6" OF 3/4" MAX. CLEAN CRUSHED ROCK OR 1/2" MAX. PEA GRAVEL.
8. GROUND ROD AND CLAMP SHALL BE DRIVEN INTO NATIVE SOIL IN CORNER OF PULL BOX NO MORE THAN 3" FROM EITHER INSIDE WALL. GROUND ROD SHALL BE 8'–0" X 1/2" COPPERWELD. FOR GROUND ROD DELETION, PLAN APPROVAL BY CITY ENGINEER MUST BE GIVEN PRIOR TO INSTALLATION.
9. REFER TO C.O.S. DWG. NO. 112 FOR LIGHT POLE FOUNDATION AND DWG. NO. 114 FOR STREET LIGHT LOCATION.

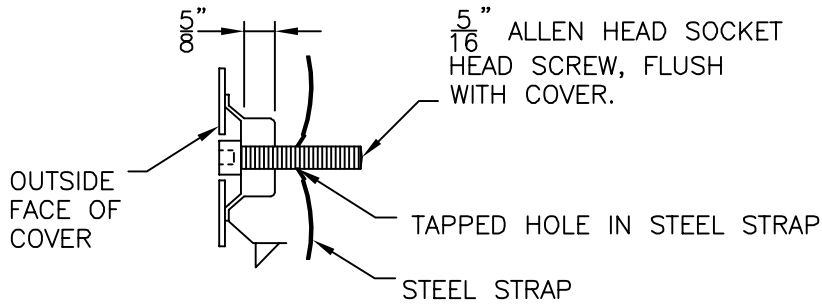
REV. NO.	REV. DATE	REV. BY	CONDUIT PULL BOX	REVISION APPROVED BY CITY ENGINEER	
3	6/1/2000	HLE/RH		Finbar J. O'Regan	
DIGITIZED				DATE: 01/09/02	
DWG. BY	RC	SCALE	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES	DRAWING NO.
CK. BY		NONE		DWG. DATED	111A
				10/7/93	



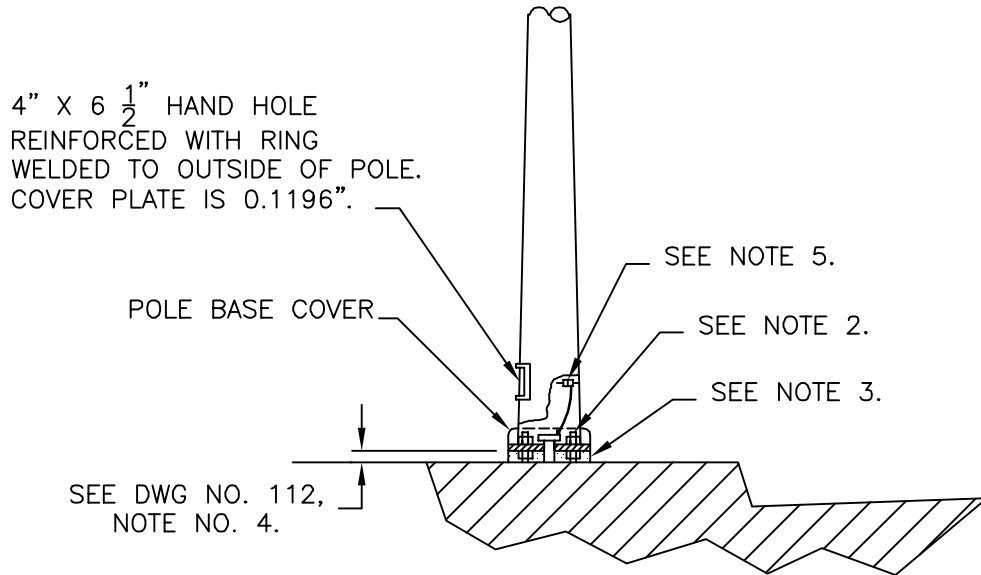
NOTES:

1. SCHEDULE 40 PVC SHALL BE USED FOR ALL STREET LIGHTING, EXCEPT ALL CONDUIT BENDS SHALL BE RIGID STEEL CONDUIT WITH 18" RADIUS SWEEPS.
2. INSTALL TO PULLBOX. 1-1/2" DIA. (MIN.) CONDUIT WITH 18" RADIUS BEND. CONDUIT SHALL EXTEND NOT MORE THAN 2" ABOVE THE TOP OF THE BASE PLATE. IF RIGID CONDUIT IS USED, PROVIDE GROUNDING BUSHING AT THE TOP END.
3. ANY CONDUIT IN STREET AREA SHALL BE MIN. OF 2'-0" BELOW THE FLOW LINE OF THE GUTTER.
4. 2"±1/4" TO BOTTOM OF BASE PLATE. WHERE POLES ARE INSTALLED IN CENTERLINE MEDIANS, THE BOTTOM OF STEEL BASE PLATE MUST BE INSTALLED 2-3/4" ABOVE MEDIAN CROWN IN ORDER TO PROVIDE FOR CROSS-SLOPE ON MEDIAN PAVING.
5. TOP 6" TO BE FORMED AND Poured AS A 3'-0" x 5'-0" CAP.
6. ANCHOR BOLTS SHALL BE GALVANIZED. A MIN. OF 1/2 THE TOTAL LENGTH FROM EACH THREADED END. BOLT SHALL BE PROVIDED WITH A LEVELING NUT, TWO WASHERS, AND A HOLD DOWN NUT. MAXIMUM LENGTH OF ANCHOR BOLT ABOVE THE TOP OF THE HOLD DOWN NUT SHALL BE 1".
7. ALTERNATE FOOTINGS SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.

REV. NO.	REV. DATE	REV. BY	LIGHT POLE FOUNDATION	REVISION APPROVED BY CITY ENGINEER	
3	1/1/2000	HLE/RH		<i>Finbar J. O'Regan</i>	
DIGITIZED	7/1/91			DATE: 01/09/02	
DWG. BY	RC	SCALE	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES DWG. DATED	DRAWING NO.
CK. BY		NONE		7/1/89	112



TAMPER RESISTANT HANDHOLE COVER



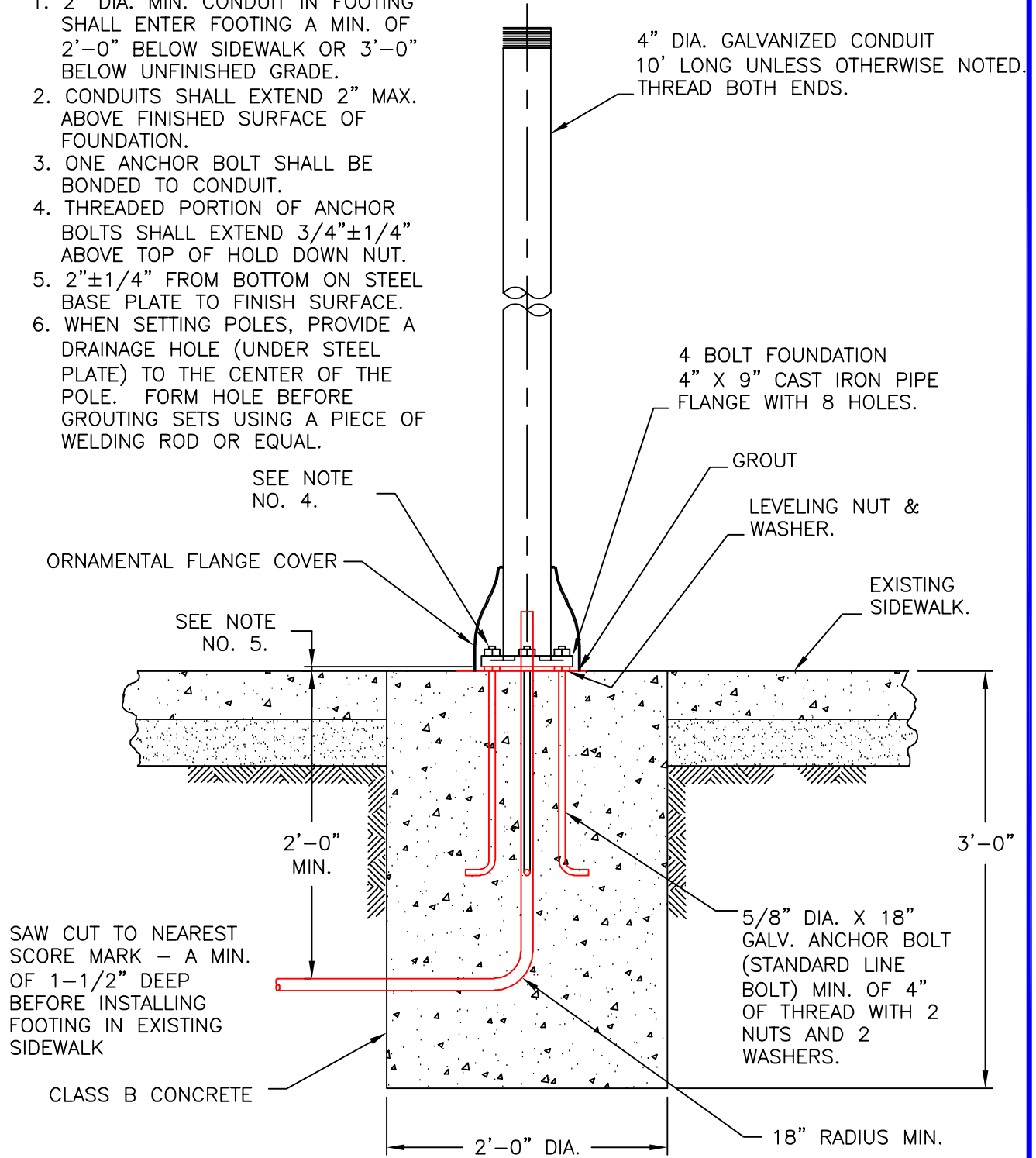
NOTES:

1. HAND HOLE SHALL BE LOCATED IN ANY QUADRANT THAT IS NOT OBSTRUCTED BY A FIXED OBJECT, PREFERABLY FRONT OR SIDE WITH RESPECT TO MAST ARM.
2. MAXIMUM LENGTH OF ANCHOR BOLT ABOVE THE TOP OF THE HOLD DOWN NUT SHALL BE 1".
3. GROUT AFTER ERECTING AND LEVELING POLE. WHEN SETTING POLES WITH FLAT STEEL BASES, PROVIDE A DRAINAGE HOLE (UNDER THE STEEL PLATE) TO THE CENTER OF THE POLE. FORM HOLE BEFORE CONCRETE SETS USING A PIECE OF WELDING ROD OR EQUAL.
4. A 1/2" DIA. TAPPED HOLE IN HAND HOLE COVER HOLDING FLANGE MAY BE SUBSTITUTED.
5. 1/2" X 1" FLATHEAD STEEL MACHINE SCREW WITH COURSE THREADS WELDED TO INSIDE OF POLE FOR GROUND. PROVIDE WITH 2 HEX HEAD NUTS AND 2 WASHERS. CONNECT TO GROUNDING BUSHING OF END OF CONDUIT WITH #8 SOLID COPPER WIRE (SEE NOTE 4.). #8 SOLID COPPER WIRE SHALL CONNECT POLE TO GROUND ROD IN PULL BOX. GROUND WIRE SHALL BE TERMINATED AT THE GROUND LUG AT THE BASE OF THE POLE.

REV. NO.	REV. DATE	REV. BY	LIGHT POLE INSTALLATION	REVISION APPROVED BY CITY ENGINEER	
1	6/1/2000	HLE/RH		Finbar J. O'Regan	
DIGITIZED			9/22/98	DATE: 01/09/02	
DWG. BY	RH	SCALE	CITY OF STOCKTON		SUPERCEDES
CK. BY		NONE	DEPARTMENT OF PUBLIC WORKS		DWG. DATED
					9/22/98
					DRAWING NO.
					112A

NOTES:

1. 2" DIA. MIN. CONDUIT IN FOOTING SHALL ENTER FOOTING A MIN. OF 2'-0" BELOW SIDEWALK OR 3'-0" BELOW UNFINISHED GRADE.
2. CONDUITS SHALL EXTEND 2" MAX. ABOVE FINISHED SURFACE OF FOUNDATION.
3. ONE ANCHOR BOLT SHALL BE BONDED TO CONDUIT.
4. THREADED PORTION OF ANCHOR BOLTS SHALL EXTEND $3/4" \pm 1/4"$ ABOVE TOP OF HOLD DOWN NUT.
5. $2" \pm 1/4"$ FROM BOTTOM ON STEEL BASE PLATE TO FINISH SURFACE.
6. WHEN SETTING POLES, PROVIDE A DRAINAGE HOLE (UNDER STEEL PLATE) TO THE CENTER OF THE POLE. FORM HOLE BEFORE GROUTING SETS USING A PIECE OF WELDING ROD OR EQUAL.

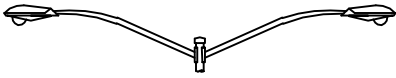


REV. NO.	REV. DATE	REV. BY
4	6/1/2000	HLE/RH
DIGITIZED		7/1/91
DWG. BY	RC	SCALE
CK. BY		NONE

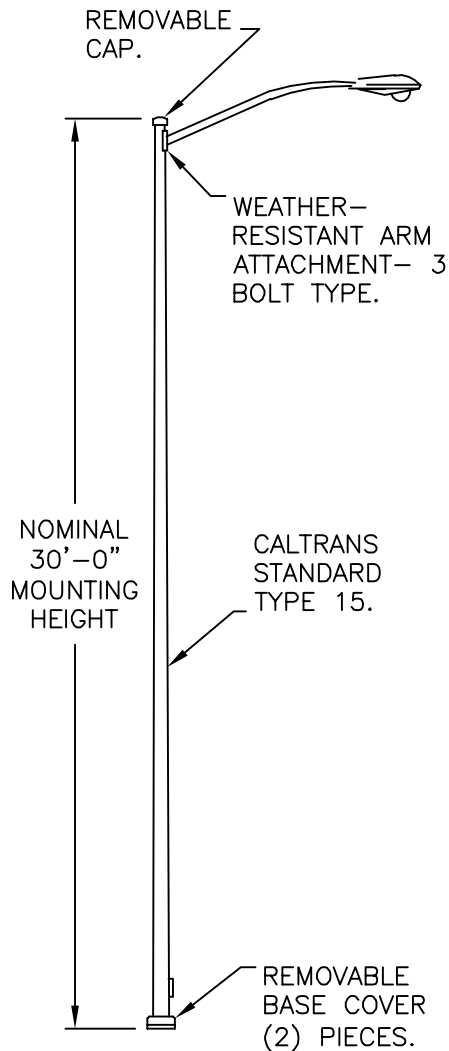
TYPE 1-B SIGNAL
AND CONTROLLER STANDARD

CITY OF STOCKTON
DEPARTMENT OF PUBLIC WORKS

REVISION APPROVED BY CITY ENGINEER	
<i>Finbar J. O'Regan</i>	
DATE: 01/09/02	
SUPERCEDES DWG. DATED	DRAWING NO.
10/7/93	113



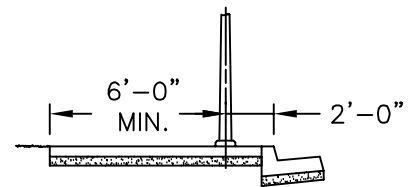
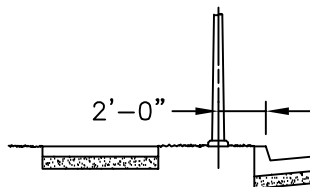
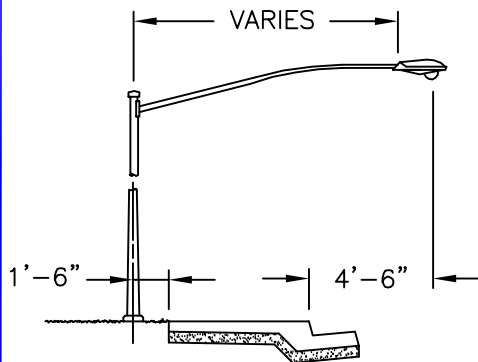
DOUBLE-MAST ARM



NOTES:

LUMINAIRES SHALL BE GENERAL ELECTRIC, HPS, MODEL #M2RR10S0A2AMS3 (100W), MODEL #M2RR15S0A2GMS3 (150W), AND MODEL #MSCL20S0A22FMC3 (200W). LUMINAIRES SHALL HAVE 2-BOLT INTERNAL SLIP FITTED MOUNT FOR ATTACHING TO MAST ARM. MINIMUM 28" FIXTURE LENGTH (SMALL CASE) FOR 100W AND 150W LUMINAIRES, 200W LUMINAIRE FIXTURE LENGTH NOT TO EXCEED 32" (LARGE CASE). LU100, LU150, AND LU200 HPS LAMPS AS NOTED ON THE PLANS SHALL COMPLY WITH FEDERAL GUIDELINES FOR TOXIC CHARACTERISTIC LEACHING PROCEDURE (TCLP) FOR NON-HAZARDOUS WASTE. PE CELLS PROVIDED WITH EACH LUMINAIRE SHALL BE SUNRISE TECHNOLOGIES SX124-1.5-ST. FEATURES INCLUDE INSTANT ON/DELAY OFF OPERATION FOR TESTING, ONE LUMEN LEVEL FOR TURN ON, FOUR LUMEN LEVEL FOR TURN OFF, AND AN OPERATING RANGE FROM 105 TO 285 VOLTS. "SHUNT CAPS" SHALL ALSO BE SUNRISE TECHNOLOGIES. BALLASTS SHALL BE MULTI-TAP (120/208/240/277V), REGULATOR TYPE. SINGLE POLE LIGHT INSTALLATIONS USE 120V TAP AND MULTIPLE POLE CIRCUITS USE 240V TAP UNLESS NOTED OTHERWISE ON THE PLANS OR SPECIFICATIONS.

1. STREET LIGHT STANDARDS SHALL BE PLACED AT ALL INTERSECTIONS, AND AT THE ENDS OF ALL CUL-DE-SACS AND COURTS 70'-0" OR MORE IN DEPTH. STANDARDS SHALL BE EVENLY SPACED, DEPENDING ON BLOCK LENGTHS, AT A DISTANCE OF NOT MORE THAN 250'-0" APART. ACTUAL STREET LIGHT LOCATIONS SHALL BE DETERMINED BY MAINTAINING A MIN. LUMINATION OF 0.1 FOOTCANDLE BETWEEN STREET LIGHT STANDARDS. STAGGERED SPACING SHALL BE USED WHENEVER POSSIBLE.
2. DIMENSIONS SHOWN ARE TO ϕ OF POLE.



REV. NO.	REV. DATE	REV. BY
4	6/1/2003	HL/EA
DIGITIZED	7/1/91	
DWG. BY	RC	SCALE
CK. BY		NONE

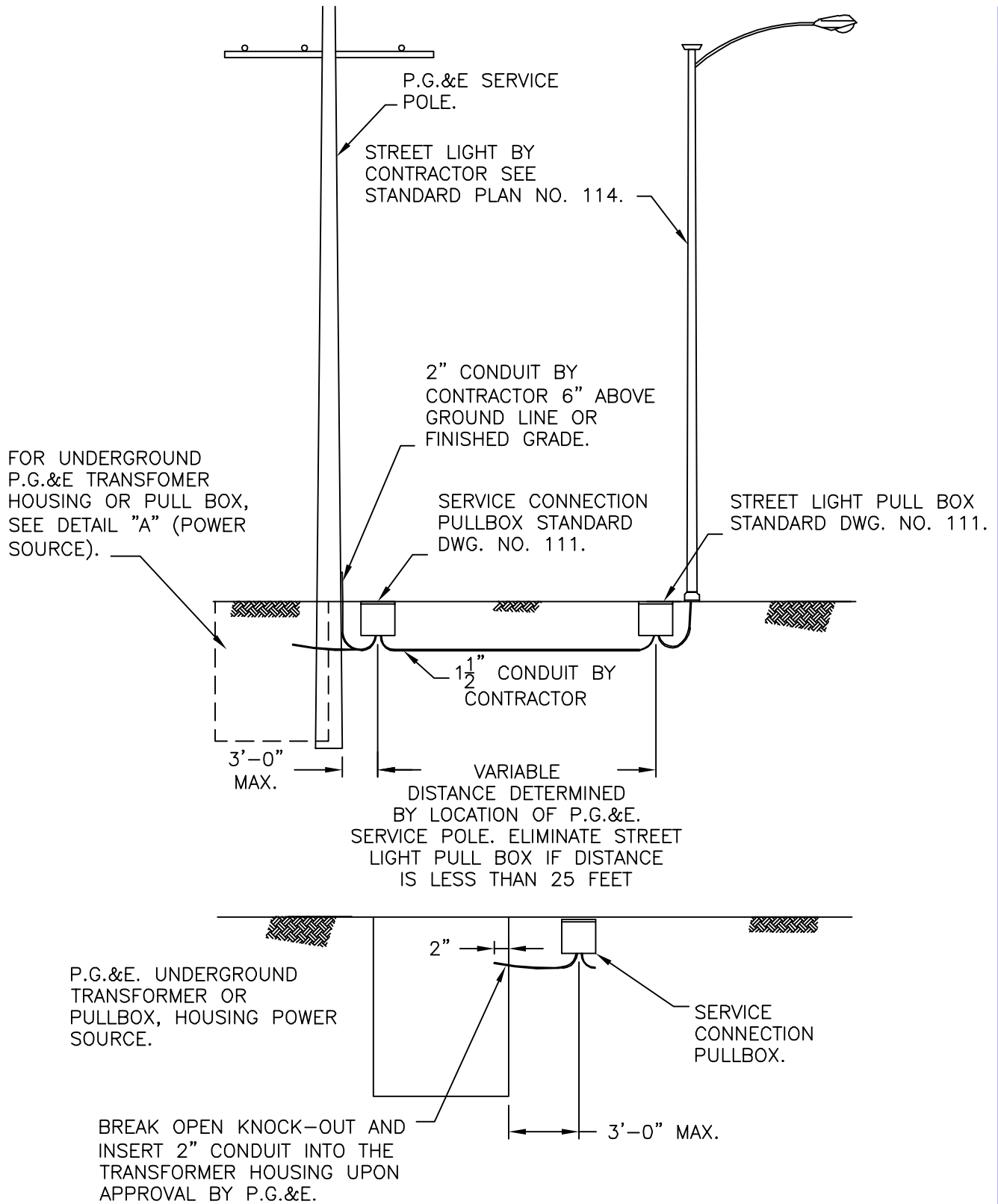
STREET LIGHTS
TYPE AND LOCATION
CITY OF STOCKTON
DEPARTMENT OF PUBLIC WORKS

REVISION APPROVED BY CITY ENGINEER	
<i>Finbar J. O'Regan</i>	
DATE: 11/25/03	
SUPERCEDES DWG. DATED	DRAWING NO.
01/09/02	114

(CONT'D FROM DWG. 114)

2. WIRING SHALL BE UNDERGROUND IN 1-1/2" UL APPROVED SCHEDULE 40 PVC CONDUIT (SPECIAL CONDITION MAY REQUIRE VARIATION OF CONDUIT SIZE AS APPROVED BY THE CITY ENGINEER) AND SHALL BE INSTALLED AS DIRECTED BY THE CITY OF STOCKTON. ALL CONDUCTORS SHALL BE COPPER. ALL GROUNDING CONDUCTORS SHALL BE BARE OR HAVE A GREEN INSULATION. ALL GROUNDED CONDUCTORS SHALL HAVE A WHITE OR NATURAL GREY INSULATION. PHASE TAPPING AND/OR PAINTING ARE NOT ALLOWED. (ALL COLORING MUST BE PERMANENT ALONG THE ENTIRE LENGTH OF THE CONDUCTOR.)
3. OVERHEAD SERVICE TO A STREET LIGHT IS NOT ALLOWED. REFER TO C.O.S. STANDARD DWG. NO. 115 FOR UNDERGROUND SERVICE REQUIREMENTS.
4. CONDUIT SYSTEM SHALL BE COMPLETE FROM THE STREET LIGHT TO THE P.G.&E. SOURCE.
5. SEE C.O.S. STANDARD DWGS. NO. 111, 112, AND 115 FOR ADDITIONAL DETAILS.
6. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH SECTIONS 86-1, 86-2, AND 86-6 STATE OF CALIFORNIA STANDARD SPECIFICATIONS.
7. WATERPROOF FUSE HOLDERS AND FUSES (BAF15, BLF15) SHALL BE INSTALLED IN THE BASE OF THE POLE ADJACENT TO THE HAND HOLE IN EACH POLE. FUSE HOLDERS FOR THE 120 VOLT SERVICE SHALL BE "BUSS HEX" TYPE OR EQUAL. FUSE HOLDERS FOR 208/240 VOLT SERVICE SHALL BE "BUSS HEX TYPE" OR EQUAL. FUSE HOLDERS SHALL HAVE WIRE LUGS THAT ARE APPROPRIATE FOR THE WIRE SIZE. TYPE "AA" FOR WIRES UP TO #8 AND TYPE "AB" FOR #6 AND #4 WIRES. FUSE HOLDERS SHALL BE WATERPROOFED BY USING AN INSULATING BOOT (BUSSMAN P/N 1A0512) OR EQUAL. EACH LUMINAIRE ON A DOUBLE MAST ARM POLE SHALL HAVE A SEPARATE FUSE AND FUSE HOLDER.
8. WHEN SERVICING A SINGLE LUMINAIRE, A MINIMUM OF NO. 12 COPPER WIRE SHALL BE USED FROM THE PULLBOX TO THE FUSE HOLDER(S), AND FROM THE FUSE HOLDER(S) TO THE HEAD. WHERE MULTIPLE LUMINAIRES ARE BEING SERVED, A MINIMUM OF NO. 10 COPPER WIRE SHALL BE USED FROM THE PULLBOX TO THE FUSE HOLDER(S), AND A MINIMUM OF NO. 12 COPPER WIRE FROM THE FUSE HOLDER(S) TO EACH HEAD.
9. WIRE IN UNDERGROUND CONDUIT SHALL NOT BE SMALLER THAN NO. 10 COPPER SERVING A SINGLE LUMINAIRE WITHIN 150'-0" OF THE SERVICE POINT; NO. 8 COPPER OR LARGER SERVING 2 OR MORE LUMINAIRES.
10. THE OWNER OR CONTRACTOR OF ANY LIGHTING PROJECT IS REQ'D TO PAY P.G.&E. CO. THE CONNECTION FEE BEFORE ACCEPTANCE BY THE CITY.
11. DOUBLE-MAST ARM STREET LIGHT STANDARDS SHALL BE INSTALLED IN ALL MEDIAN STRIPS AND OTHER AREAS DESIGNATED BY THE CITY ENGINEER. ALL SINGLE-ARM LIGHTING SPECIFICATIONS SHALL ALSO APPLY TO THE DOUBLE ARM STANDARDS. EACH LUMINAIRE SHALL BE WIRED SEPARATELY.
12. ALL BONDING/GROUNDING WIRE SHALL BE INSTALLED AS SHOWN ON "CONDUIT PULLBOX" STANDARD DWG. NO. 111.
13. ALL CONDUCTOR SPLICES SHALL BE MADE WEATHERPROOF.
14. WHEN STREET LIGHT POLES ARE PAINTED, WITH THE APPROVAL OF THE CITY ENGINEER, THE LUMINAIRES SHALL BE PAINTED THE SAME COLOR.
15. PHOTOCCELL UNIT SHALL BE INSTALLED WITH PHOTOCCELL FACING NORTH.

REV. NO.	REV. DATE	REV. BY	STREET LIGHTS TYPE AND LOCATION	REVISION APPROVED BY CITY ENGINEER	
3	6/1/2000	HLE/RH		Finbar J. O'Regan DATE: 01/09/02	
DIGITIZED	7/1/91		CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES DWG. DATED	DRAWING NO.
DWG. BY	RC	SCALE		10/7/93	114A
CK. BY		NONE			



DETAIL "A"

FOR NOTES, SEE DWG. NO. 115A.

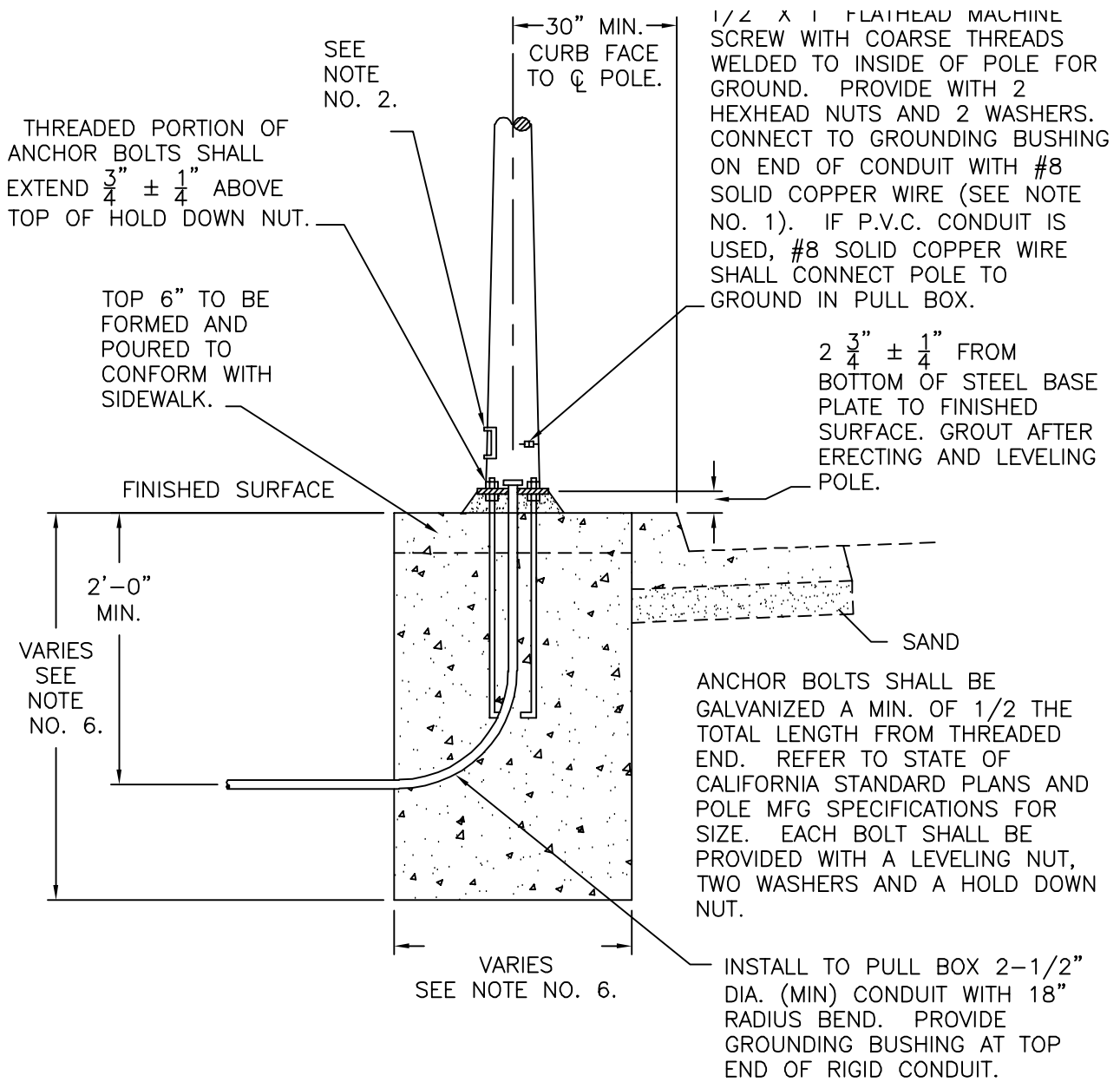
REV. NO.	REV. DATE	REV. BY	STREET LIGHT AND TRAFFIC SIGNAL SERVICE CONNECTION	REVISION APPROVED BY CITY ENGINEER		
3	6/1/2000	HLE/RH		Finbar J. O'Regan		
DIGITIZED		1/1/92	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	DATE: 01/09/02		
DWG. BY	RC	SCALE		SUPERCEDES DWG. DATED	DRAWING NO. 115	
CK. BY		NONE		10/7/93		

(CONT'D FROM DWG. 115)

NOTES:

1. CONTRACTOR TO FURNISH AND INSTALL BOTH PULL BOXES SHOWN. SEE STANDARD DRAWING NO. 111.
2. CONTRACTOR TO FURNISH AND INSTALL CONDUCTORS IN CONDUIT BETWEEN THE TWO PULL BOXES SHOWN. CONTRACTOR TO LEAVE 3'-0" MIN. SLACK WIRE IN PULL BOX AT BASE OF P.G.&E. POLE.
3. P.G.&E. WILL PROVIDE CONDUCTORS DOWN SERVICE POLE TO PULL BOX AT BASE OF SERVICE POLE AND MAKE CONNECTIONS.

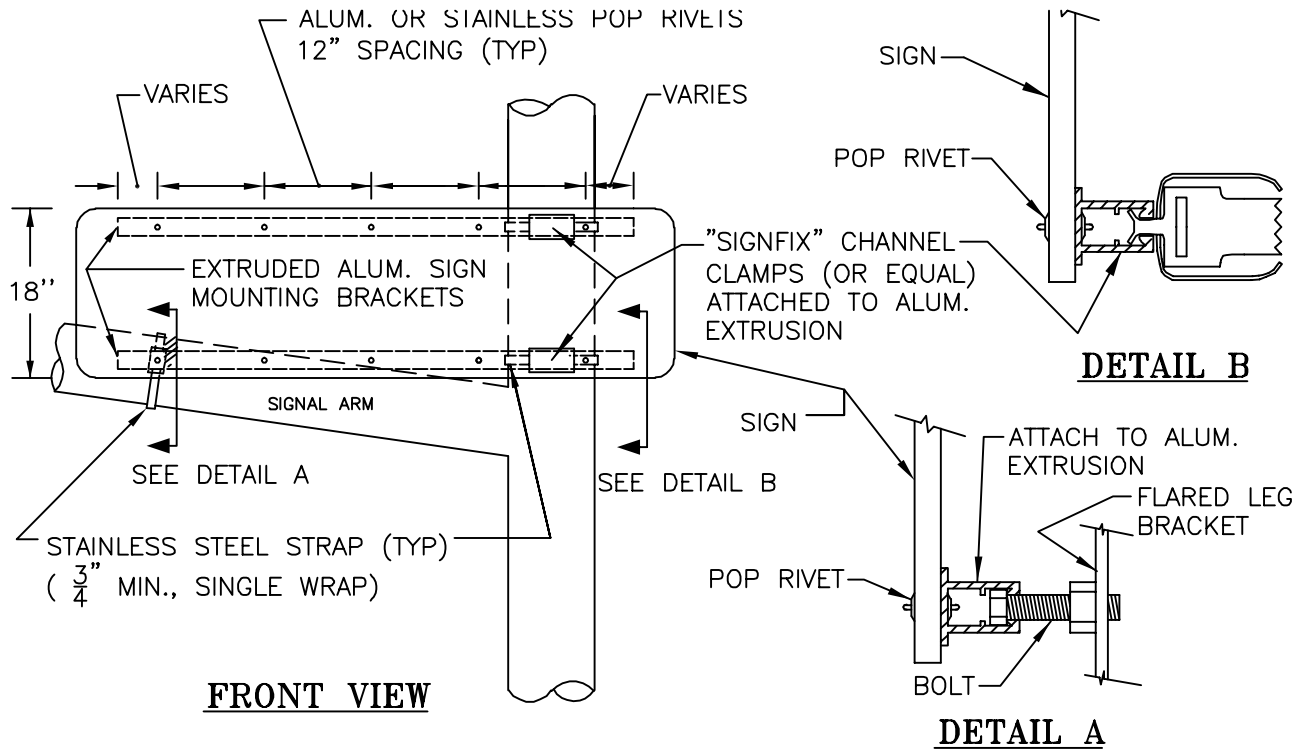
REV. NO.	REV. DATE	REV. BY	STREET LIGHT AND TRAFFIC SIGNAL SERVICE CONNECTION	REVISION APPROVED BY CITY ENGINEER	
3	6/1/2000	HLE/RH		Finbar J. O'Regan	
DIGITIZED	1/1/92		CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	DATE: 01/09/02	
DWG. BY	RC	SCALE		SUPERCEDES DWG. DATED	DRAWING NO.
CK. BY		NONE		10/7/93	115A



NOTES:

1. A 1/2" DIA. TAPPED HOLE IN HAND HOLE COVER HOLDING FLANGE MAY BE SUBSTITUTED.
2. SEE CALTRANS STANDARD PLANS FOR DETAILS FOR HANDHOLE AND COVER.
3. WHEN SETTING POLES, PROVIDE A DRAINAGE HOLE (UNDER STEEL PLATE) TO THE CENTER OF THE POLE. FORM HOLE BEFORE GROUTING SETS USING A PIECE OF WELDING ROD OR EQUAL.
4. HAND HOLE TO BE LOCATED IN SAME QUADRANT AS MAST ARM.
5. CONDUIT TO BE INSTALLED AS NOTED ON TRAFFIC SIGNAL DESIGN PLANS OR AS APPROVED BY THE ENGINEER.
6. FOUNDATION REQUIREMENTS AS PER STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS.
7. SEE DRAWING NO. 113 FOR TYPE 1-B FOUNDATION.

REV. NO.	REV. DATE	REV. BY	TRAFFIC SIGNAL FOUNDATION	REVISION APPROVED BY CITY ENGINEER	
2	6/1/2000	HLE/RH		Finbar J. O'Regan	
DIGITIZED				DATE: 01/09/02	
DWG. BY	RC	SCALE	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES	DRAWING NO.
CK. BY		NONE		10/7/93	116



SPECIAL DOUBLE-NAME SIGN

(SEE NOTE NO. 3, DWG. NO. 117A)

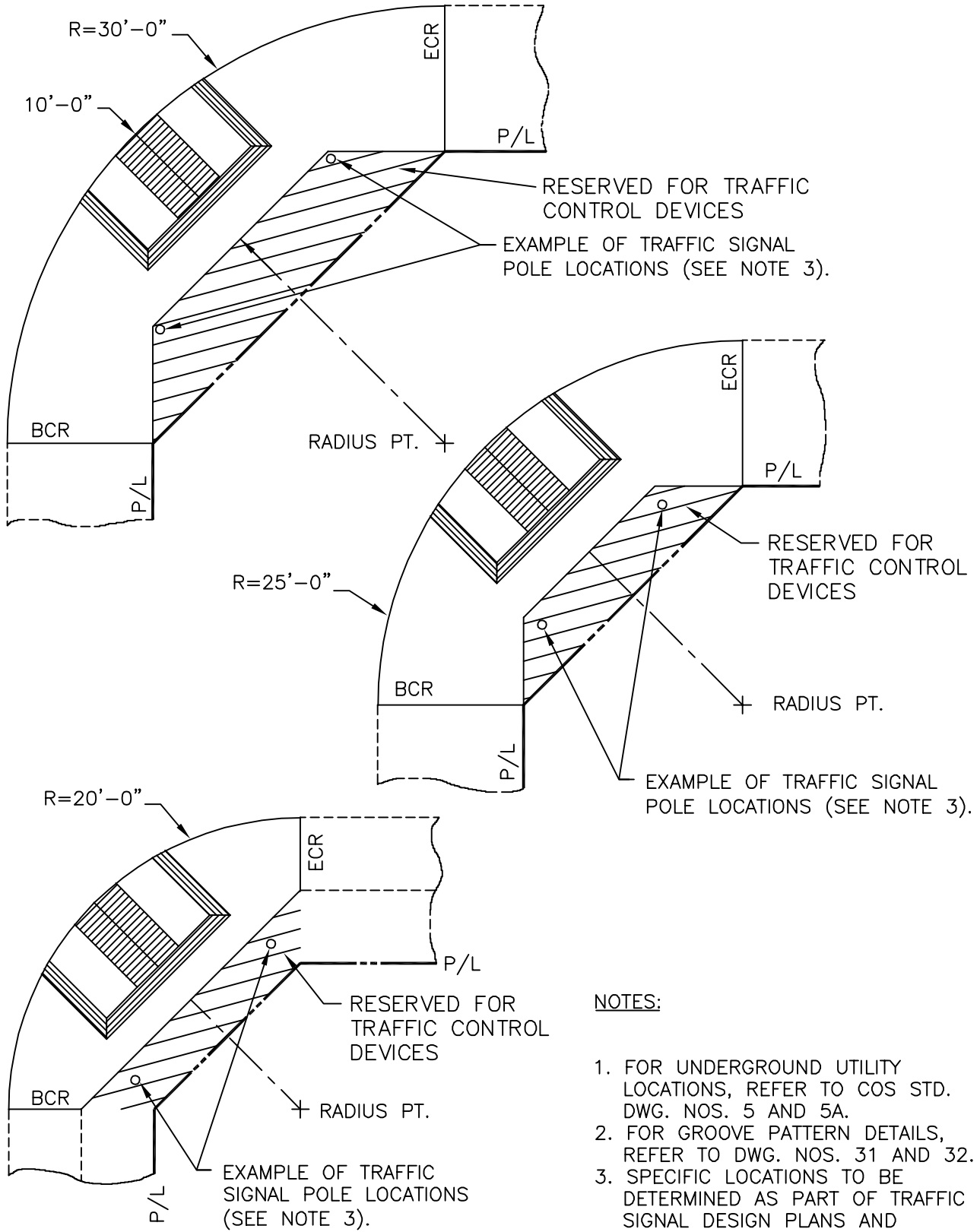
REV. NO.	REV. DATE	REV. BY	TRAFFIC SIGNAL MAST ARM SIGN ASSEMBLY	REVISION APPROVED BY CITY ENGINEER	
3	6/1/2000	HLE/RH		Finbar J. O'Regan	
DIGITIZED	7/1/91			DATE: 01/09/02	
DWG. BY	RC	SCALE	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES DWG. DATED	DRAWING NO.
CK. BY		NONE		10/7/93	117

(CONT'D FROM DWG. 117)

NOTES FOR TRAFFIC-SIGNAL-ARM SIGN MOUNTING:

1. ALL MATERIAL FURNISHED SHALL BE RUST RESISTANT. ALL SIGN HARDWARE SHALL BE ALUMINUM AND ANY MOVING PARTS MUST BE MADE OF STAINLESS STEEL TO PREVENT RUSTING.
2. THE SIGN MOUNTING EXTRUDED ALUMINUM MOUNTING BRACKETS SHALL BE EITHER MEDIUM ALUMINUM EXTRUSIONS (SIGNFIX PART NO. HPN-053) OR LARGER ALUMINUM EXTRUSIONS (SIGNFIX PART NO. HPN-055). EXTRUDED ALUMINUM MOUNTING BRACKETS MUST BE BY SIGNFIX OR MUST BE DIRECTLY ADAPTABLE TO UNIVERSAL SIGNFIX CHANNEL CLAMPS E.P. (PART NO. HPN-034EP) OR EQUAL. FLARED LEG MOUNTING BRACKET FOR MOUNTING TO POLE OR MAST ARM SHALL BE HAWKINS PART NO. M2G-FUB OR APPROVED EQUAL. THREADED PORTION OF BRACKET SHALL ACCEPT COURSE THREAD 5/16 INCH ALL-THREAD BOLT.
3. SINGLE STREET NAME SIGN SHALL HAVE NAME AND SUFFIX CENTERED IN SIGN. SIGNS SHALL BE SINGLE FACE AND FABRICATED ON ALUMINUM BLANKS 0.063-INCH THICKNESS. BLANK SHALL BE 18-INCHES IN WIDTH AND VARY IN LENGTH DEPENDING ON THE NUMBER OF LETTERS OF THE STREET (MIN. OF 6- FEET IN LENGTH). SIGN BLANK SHALL HAVE GREEN BACKGROUND USING 3M ENGINEER'S GRADE REFLECTIVE VINYL SHEETING. UPPER CASE LETTERS SHALL BE 10-INCHES AND LOWER CASE LETTERS SHALL BE 7.5-INCHES. ALL LETTERS SHALL BE HIGHWAY FONT "D". SIGN SHALL HAVE 1-INCH WHITE BORDER COVERING THE ENTIRE EDGE OF SIGN BLANK. CORNERS SHALL BE NEATLY ROUNDED TO A 3-INCH RADIUS. WORDS SHALL BE SPACED 10-INCHES APART AND THERE SHALL BE 10-INCHES OF SPACING BETWEEN BORDER AND SIDES OF STREET NAME. LETTERS SHALL BE SPACED A MIN. OF 1.5-INCHES.
4. VARIOUS STREETS IN THE CITY CHANGE NAMES AT MAJOR INTERSECTIONS. SIGNS THAT DESIGNATE DIFFERENT NAMES SHALL BE MADE AS PER STANDARD DWG. NO. 117.
5. ALL SIGNS SHALL BE APPROVED FOR CONFORMANCE BY THE CITY TRAFFIC DEVICES STAFF PRIOR TO INSTALLATION.

REV. NO.	REV. DATE	REV. BY	TRAFFIC SIGNAL MAST ARM SIGN ASSEMBLY	REVISION APPROVED BY CITY ENGINEER	
3	6/1/2000	HLE/RH		 DATE: 01/09/02	
DIGITIZED		7/1/91	CITY OF STOCKTON DEPARTMENT OF PUBLIC WORKS	SUPERCEDES DWG. DATED	DRAWING NO.
DWG. BY	RC	SCALE		10/7/93	117A
CK. BY		NONE			



NOTES:

1. FOR UNDERGROUND UTILITY LOCATIONS, REFER TO COS STD. DWG. NOS. 5 AND 5A.
2. FOR GROOVE PATTERN DETAILS, REFER TO DWG. NOS. 31 AND 32.
3. SPECIFIC LOCATIONS TO BE DETERMINED AS PART OF TRAFFIC SIGNAL DESIGN PLANS AND INCORPORATED INTO THE IMPROVEMENT PLANS.

REV. NO.	REV. DATE	REV. BY
1	6/1/2000	HLE/RH
DIGITIZED		7/1/91
DWG. BY	RC	SCALE
CK. BY	DW	NONE

TRAFFIC CONTROL DEVICE
LOCATIONS IN NEW SUBDIVISIONS
CITY OF STOCKTON
DEPARTMENT OF PUBLIC WORKS

REVISION APPROVED BY CITY ENGINEER	
<i>Finbar J. O'Regan</i>	
DATE:	01/09/02
SUPERCEDES DWG. DATED	7/1/91
DRAWING NO.	118