

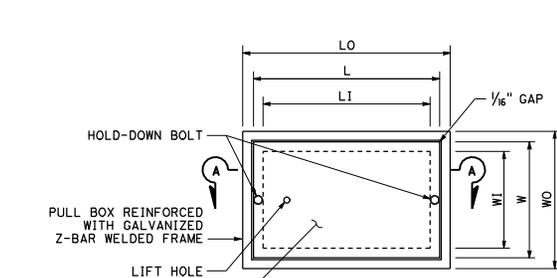
D16+	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Jeffery G. McPhee
REGISTERED ELECTRICAL ENGINEER

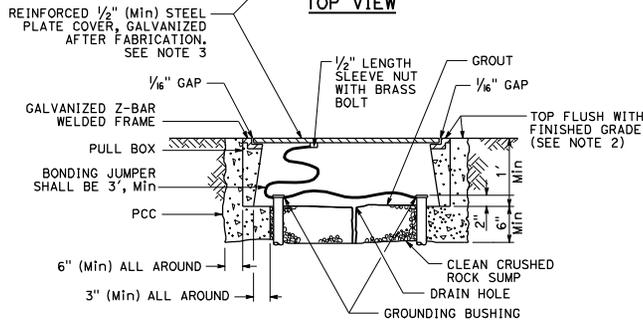
May 20, 2011
PLANS APPROVAL DATE

Jeffery G. McPhee
No. E14512
Exp. 6-30-12
ELECTRICAL
STATE OF CALIFORNIA

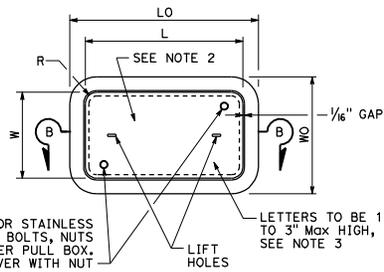
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TOP VIEW

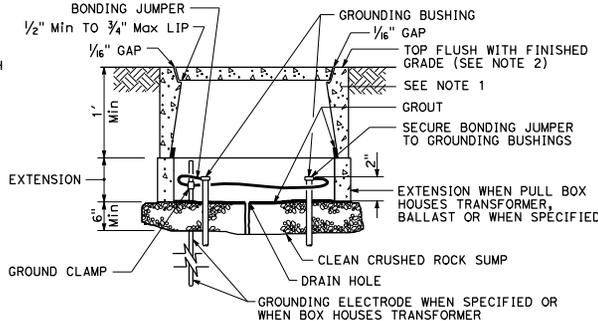


SECTION A-A
TRAFFIC PULL BOX
DETAIL A



TOP VIEW

3/8" Ø BRASS OR STAINLESS STEEL STUD BOLTS, NUTS AND WASHERS, 2 PER PULL BOX, RECESS IN COVER WITH NUT



SECTION B-B
PULL BOX
DETAIL B

NOTES:

- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- Top of pull boxes shall be flush with surrounding grade or top of adjacent curb, except that in unpaved areas where pull box is not immediately adjacent to and protected by a concrete foundation, pole or other protective construction, the box shall be placed with its top 1/4" above surrounding grade. Where practicable, pull boxes shown in the vicinity of curbs shall be placed adjacent to the back of curb, and pull boxes shown adjacent to standards shall be placed on side of foundation facing away from traffic, unless otherwise noted. When pull box is installed in sidewalk area, the depth of the pull box shall be adjusted so that the top of the pull box is flush with the sidewalk.
- Pull box covers shall be marked as follows:
 - "SERVICE", service circuits between service point and service disconnect.
 - "SPRINKLER-CONTROL", sprinkler control circuit where voltage is 50 V or less.
 - "CALTRANS", on all pull boxes unless noted otherwise.
 - "TELEPHONE", telephone service.
- No. 3/2 pull box.
 - "SIGNAL", traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING", street or sign lighting circuits where voltage is under 600 V.
- No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL", traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING", street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE", street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION", circuits to irrigation controller 120 V or more.
 - "RAMP METER", ramp meter circuits.
 - "COUNT STATION", count or speed monitor circuits.
 - "COMMUNICATION", communication circuits.
 - "TOS COMMUNICATIONS", TOS communications line.
 - "TOS POWER", TOS power.
 - "TDC POWER", telephone demarcation cabinet power.
 - "CCTV", closed circuit television circuits.
 - "TMS", traffic monitoring station circuits.
 - "CMS", changeable message sign circuits.
 - "HAR", highway advisory radio circuits.
 - "LIGHTING", lighting circuits.
- Dimensions are nominal values. The dimension of the opening in the cover sets in shall be 1/8" greater than dimension of the cover.
- Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8". Top outside edge of concrete covers and pull boxes shall have a 1/4" minimum radius.
- Pull boxes shall not be installed within the boundaries of new or existing curb ramps.
- Pull boxes for electroliners, post and signal standards shall be located within 5'-0" from the station of the adjacent electroliner, post or signal standard. Pull boxes shall be placed adjacent to back of curb or edge of shoulder except where this is impractical, a box may be placed in another suitable protected and accessible location.

PULL BOX	CONCRETE BOX				NON-PCC BOX		CONCRETE OR NON-PCC COVERS				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	WO	LO	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	W **	L **	R	EDGE THICKNESS	EDGE TAPER
No. 3/2	2"	NO EXTENSION	1'-2"	1'-7"	3/8"	NO EXTENSION	10"	1'-3"	1 1/16"	1 3/4"	1/8"
No. 5	2"	1'-10"	1'-6"	2'-4"	3/8"	1'-8"	1'-2"	2"	1 1/4"	2"	1/8"
No. 6	2"	2'	1'-10"	2'-10"	3/8"	1'-8"	1'-6"	2'-6"	1 1/4"	2"	1/8"

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

PULL BOX	CONCRETE BOX						STEEL COVER		
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	WO	LO	WI	LI	W **	L **	EDGE THICKNESS
No. 3/2(T)	2 1/2"	1'	1'-4"	1'-10"	11"	1'-5"	1'-2"	1'-8"	1/2"
No. 5(T)	3"	1'	1'-7"	2'-6"	1'-1"	2'	1'-4"	2'-3"	1/2"
No. 6(T)	3 1/2"	1'	2'	3'-1"	1'-5"	2'-6"	1'-8"	2'-9"	1/2"

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
(PULL BOX)**
NO SCALE

ES-8