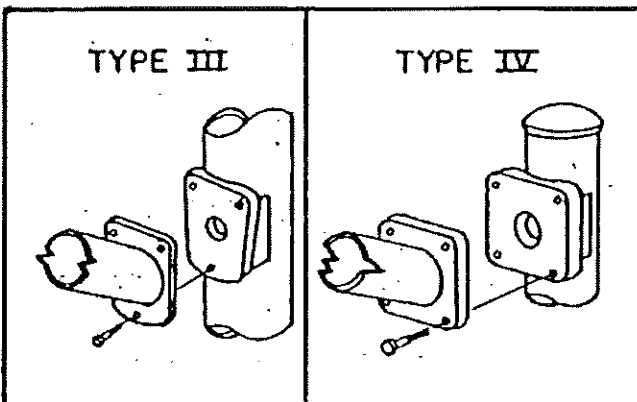


DISTANCE 'X':

- Light on outside of street
- 18" from back of walk that is contiguous with curb.
 - 24" from back of curb if sidewalk is seperated from curb.
- Lights in median
- On centerline.

POLE AND MAST ARM SHALL BE GALVANIZED STEEL



POLE ELEVATION

MAST ARM MOUNTINGS

STREET WIDTH feet	M* feet	A* feet	N* feet	WATTAGE	MAXIMUM SPACING (see note 11, sheet 11) feet
20 - 32	6	30	1.5	70	150
36 - 40	6	30	1.5	100	200
44	6	30	1.5	150	110
60 - 68	12	30	2.5	200	100
74 - 80	12	30	2.5	150	150

LIGHTS IN MEDIAN

* MINOR VARIATIONS - ON APPROVAL BY DIRECTOR OF PUBLIC WORKS

CITY OF CHICO

STANDARD PLAN

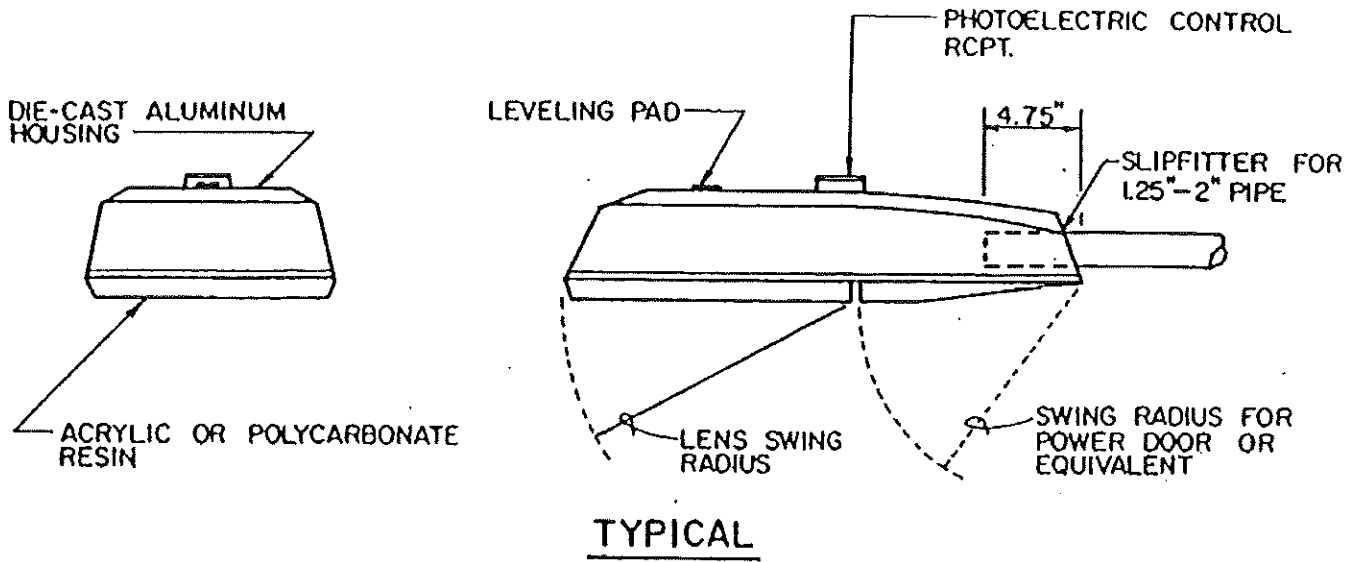
DRAWN BY JG DATE OCT., 1998
 CHECKED RB SCALE N.T.S.
 APPROVED [Signature]
 DIRECTOR OF PUBLIC WORKS R.C.E. NO.

**STREET LIGHTS
POLE AND MAST ARM DETAIL**

NO. **SL-1**
SHEET 1 OF 11

REVISION	BY	DATE	APP. BY
FOUNDATION, SPACING	E.C.R.	5/12/99	

REVISION	DATE	APP. BY
ORIGINAL	10/16/90	#59 90-91
POLE SCHEDULE	1/6/93	
PARKWAY	5/18/93	#167 92-93



ALL LUMINAIRES WILL BE ROADWAY TYPE (COBRA HEAD). ALL LUMINAIRES WILL BE INSTALLED WITH OPERATIONAL PHOTOCELL. PHOTOCELL WILL BE INSTALLED WITH SENSOR FACING NORTH. REFRACTOR SHALL HAVE I.E.S. TYPE III LIGHT DISTRIBUTION PATTERN EXCEPT WHERE DIRECTED BY THE DIRECTOR OF PUBLIC WORKS. ALL LUMINAIRES SHALL BE HIGH PRESSURE SODIUM. LUMINAIRES SHALL OPERATE AT 120 VOLTS UNLESS OTHERWISE APPROVED BY THE D.P.W. LUMINAIRES SHALL BE CUTOFF TYPE UNLESS OTHERWISE APPROVED BY D.P.W.

POLES AND LUMINAIRES SHALL BE FROM THIS LIST OF APPROVED MATERIALS.

POLES	LUMINAIRES
AMERON N SERIES	GENERAL ELECTRIC M2AC XX S 1 N 2 (G or A) MC3 I G = 200 watts P or A = others
ANY POLE OF CALTRANS TYPE 15	
	ANY MEETING CALTRANS SPECS FOR H.P.S. TYPE III

REVISION	BY	DATE	APPR. BY COUNCIL
ORIGINAL	M.H.	10/16/90	#59 90-91
LUMINAIRE LIST	M.E.T.	5/18/93	#167 92-93
GENERAL NOTES	E.C.R.	3/12/99	

CITY OF CHICO

STANDARD PLAN

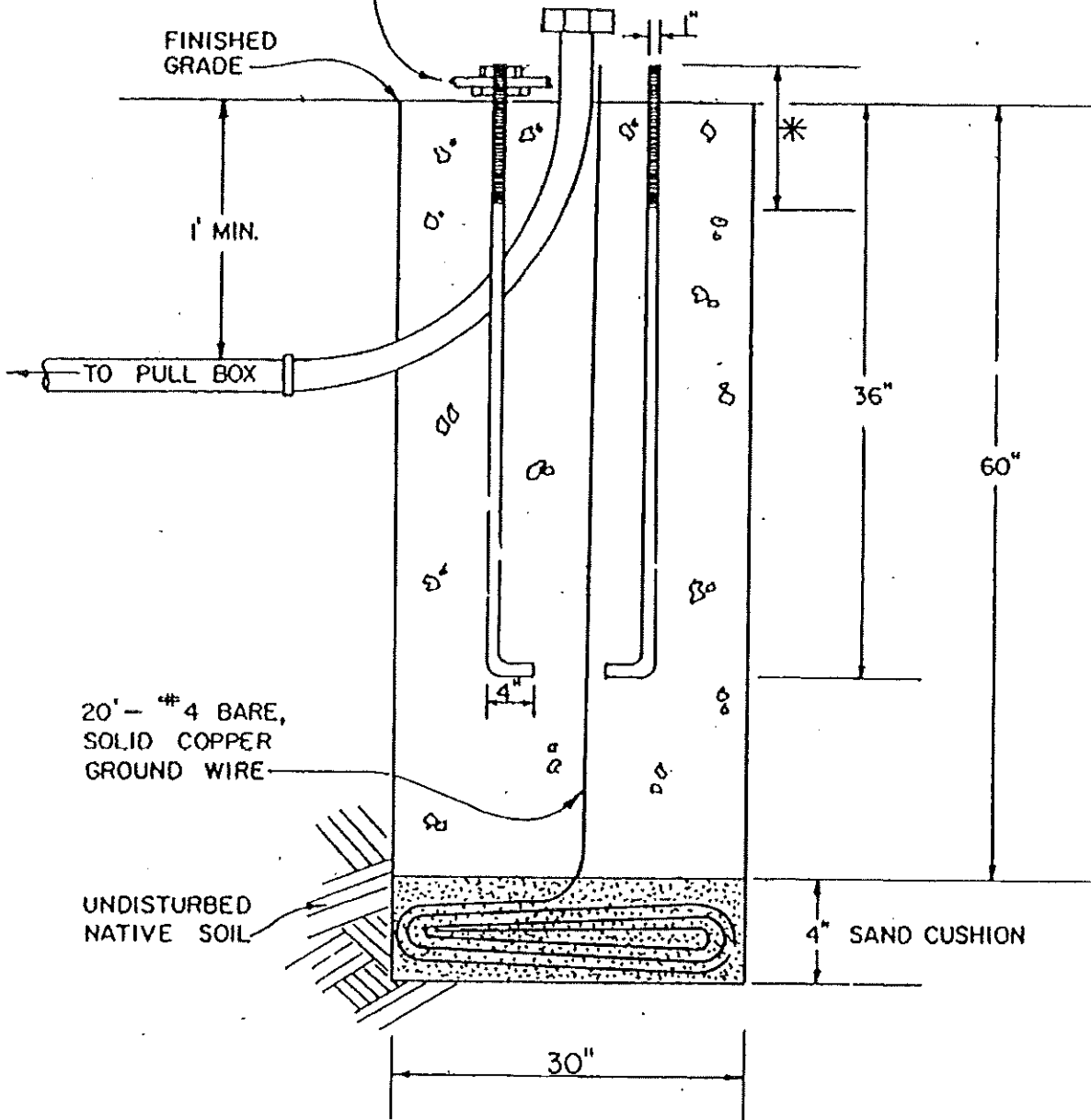
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 CHECKED RB SCALE N.T.S.
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 DIRECTOR OF PUBLIC WORKS R.C.E.NO.

STREET LIGHTS
LUMINAIRE DETAIL

NO. **SL-1**
SHEET 2 OF 11

LEVELING NUT (BOTTOM), BASE PLATE (MIDDLE),
 SECURING NUT (TOP) AND NUT COVER (NOT SHOWN).

* 1/2" THREADED



20' - #4 BARE,
 SOLID COPPER
 GROUND WIRE

UNDISTURBED
 NATIVE SOIL

4" SAND CUSHION

NOTES:

- 1) PRECAST FOUNDATIONS
 - a) may be used.
 - b) must be backfilled with a one-sack of cement per cubic yard cement sand slurry.
- 2) BOLT-COVER SHALL BE PROVIDED
- 3) WITH PRECAST FOUNDATION, THE POLE MAY BE GROUNDED VIA A BARE NO. 4 SOLID COPPER WIRE CLAMPED TO A 1/2 INCH X 10 FOOT GROUNDING ROD INSTALLED IN PULL BOX. (SEE PULL BOX DETAIL)
- 4) INSTALLATION SHALL INCLUDE SECURING NUTS, LEVELING NUTS, WASHERS, AND NUT COVERS.

BY	DATE	APP. BY	COUNCIL
M.H.	10/16/90	#59	90-91
M.H.	5/18/93	#167	92-93
E.C.R.	3/12/99		

REVISION
ORIGINAL
NONE
FOUNDATION

CITY OF CHICO

STANDARD PLAN

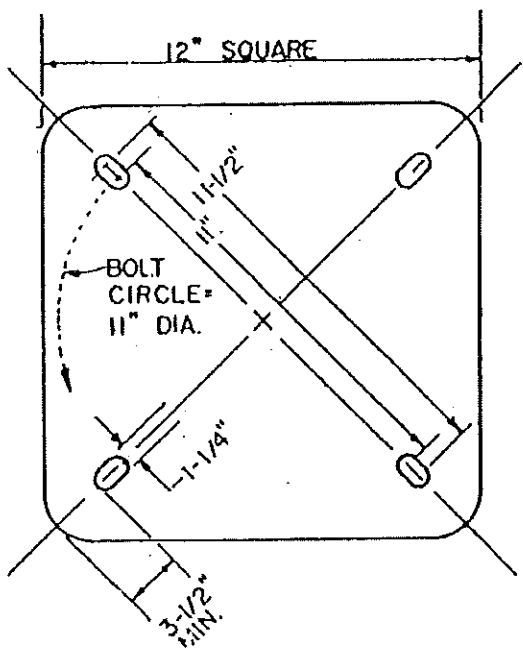
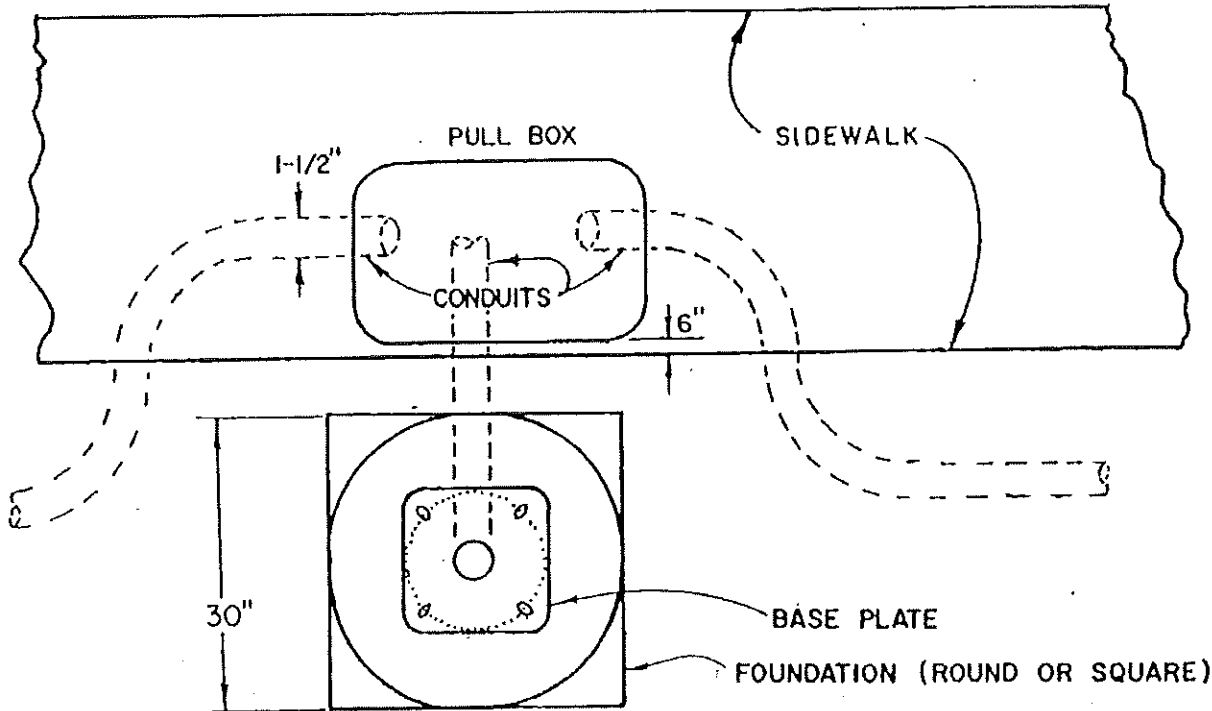
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 APPROVED [Signature]
 DIRECTOR OF PUBLIC WORKS R.C.E. NO.

STREET LIGHTS
 POLE FOUNDATION DETAIL

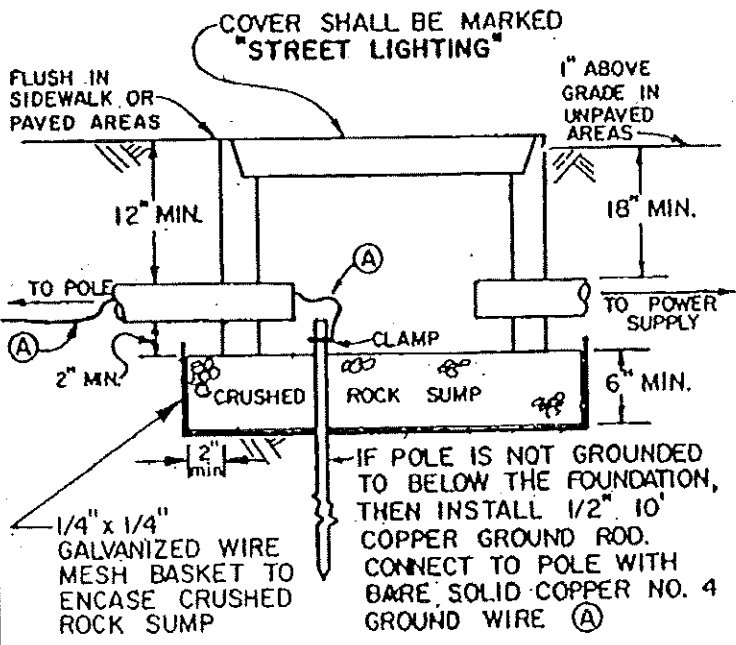
NO. **SL-1**
 SHEET 3 OF 11

PLAN VIEW

N.T.S.



POLE BASE
N.T.S.



PULL BOX
N.T.S.

CITY OF CHICO

STANDARD PLAN

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 APPROVED [Signature]
 DIRECTOR OF PUBLIC WORKS R.C.E. NO.

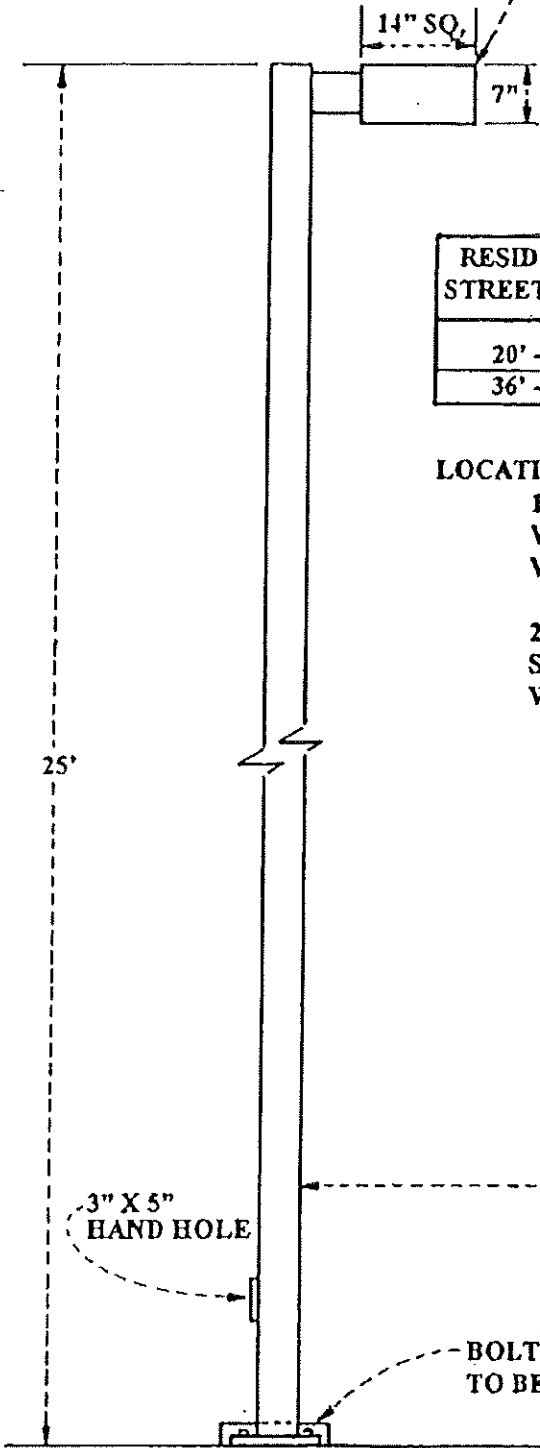
STREET LIGHTS
POLE BASE AND PULL BOX DETAIL

NO. **SL-1**
 SHEET 4 OF 11

REVISION	BY	DATE	APP BY	COUNCIL
ORIGINAL	M.H.	10/16/90	# 59	90-91
PULL BOX DETAIL	M.E.T.	1/7/93		
PARKWAY	M.H.	5/18/93	# 167	92-93

REVISION	BY	DATE	APP BY	COUNCIL
FOUNDATION	E.C.R.	3/12/99		

LUMINAIRE: GARDCO TYPE EH-14
 DISTRIBUTION: TYPE III
 LENS: POLYCARBON
 FINISH: CODE BRA = BRONZE ANODIZED
 LUMINAIRES SHALL BE INSTALLED WITH OPERATIONAL PHOTOCELL, AND INSTALLED WITH PHOTOCELL SENSOR FACING NORTH.



RESIDENTIAL STREET WIDTH	SPACING	WATTAGE
20' - 32'	150'	70W HPS
36' - 40'	200'	100W HPS

LOCATION:
 18" FROM BACK OF SIDEWALK, WHERE SIDEWALK IS CONTIGUOUS WITH CURB AND GUTTER.
 24" FROM BACK OF CURB, WHERE SIDEWALK IS NOT CONTIGUOUS WITH CURB AND GUTTER.

POLE: VALMONT DS 230-500L 300-PC
 5" SQ. O.D. X 25' LONG
 BRONZE ANODIZED

3" X 5" HAND HOLE

BOLT COVER TO BE PROVIDED

REVISION	BY	DATE	APR.	BY	COUNCIL
ORIGINAL	F.C.R.	3/12/99			

CITY OF CHICO

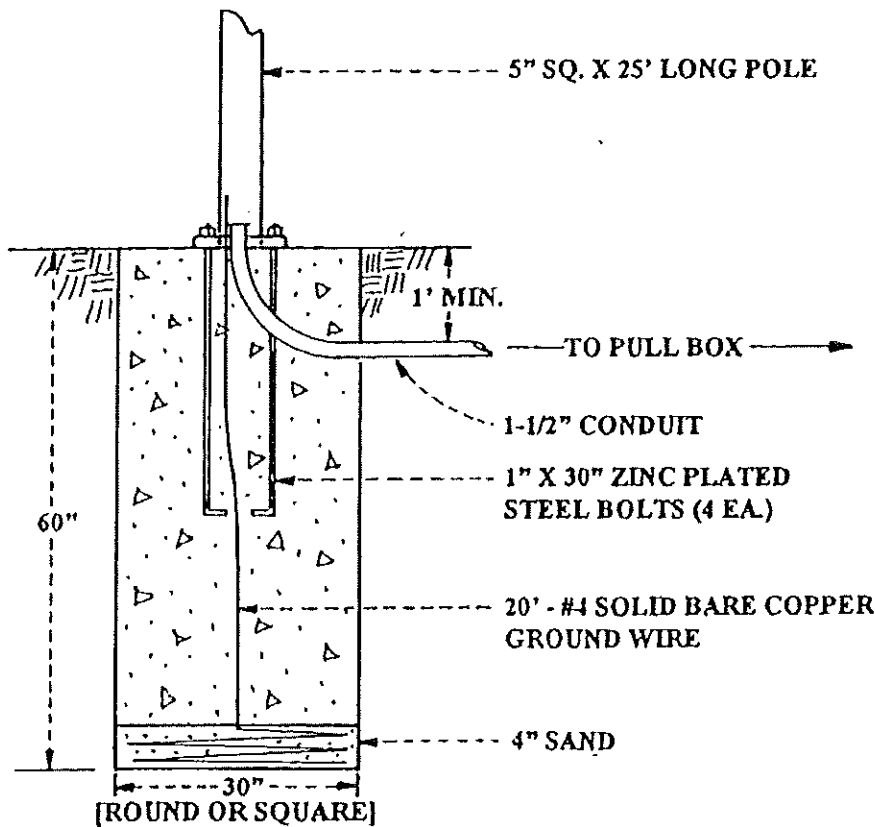
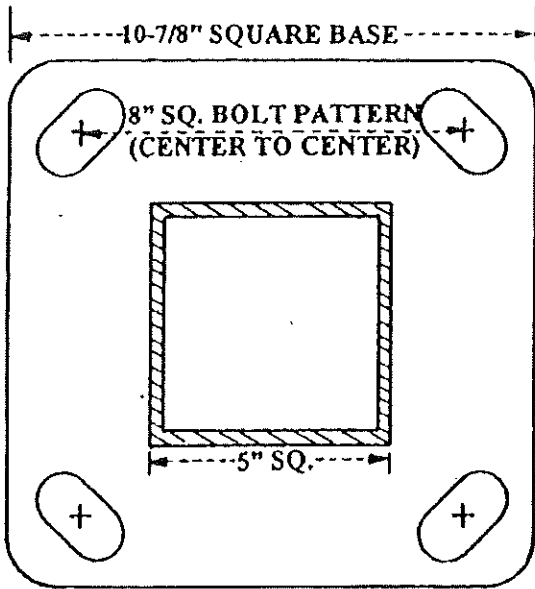
STANDARD PLAN

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 APPROVED [Signature]
 DIRECTOR OF PUBLIC WORKS

RESIDENTIAL STREET LIGHTING
 GARDCO LUMINAIRE
 POLE AND LUMINAIRE DETAIL

SL - 1

SHEET 5 OF 11



REVISION	BY	DATE	APP. BY	COUNCIL
ORIGINAL	E.C.R.	3/12/99		

CITY OF CHICO

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 CHECKED RB SCALE NTS
 APPROVED [Signature]
 DIRECTOR OF PUBLIC WORKS

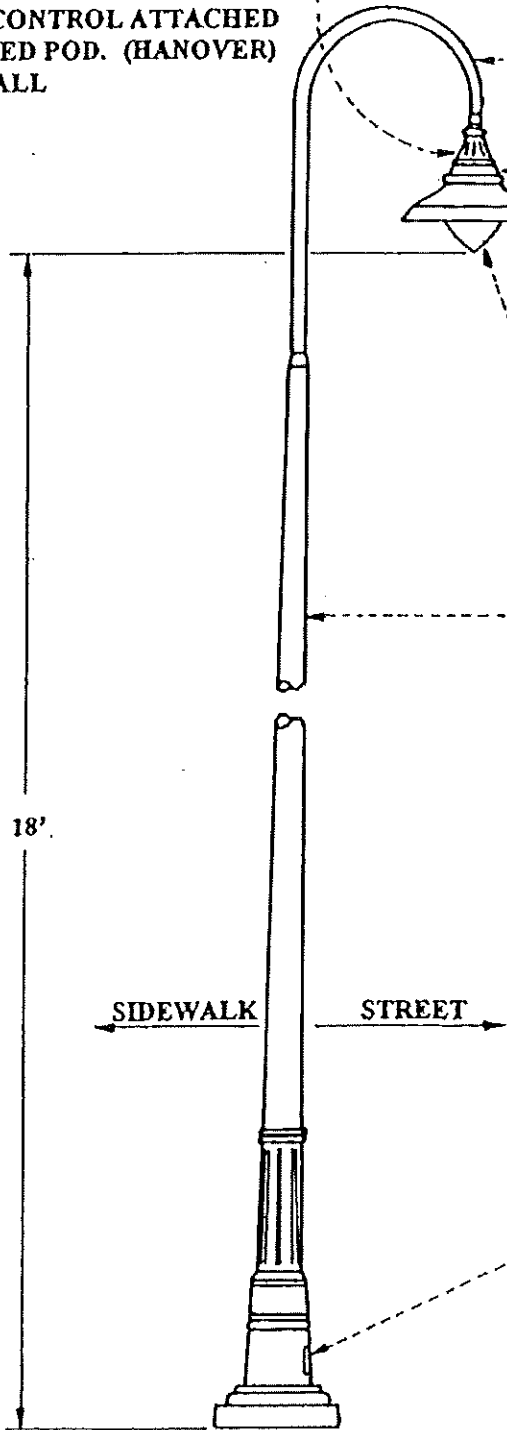
RESIDENTIAL STREET LIGHTING
 GARDCO LUMINAIRE
 FOUNDATION AND BASE DETAIL

SL - 1

SHEET 6 OF 11

LIGHT POLE DETAIL

CAST ALUMINUM FLUTED BALLAST POD.
PHOTO CONTROL ATTACHED TO FLUTED POD. (HANOVER)
0.250" WALL



2" DIA., 0.125" WALL (STERNBERG)
2" DIA., 0.188" WALL (HANOVER)
6061 - T6 STRUCTURAL GRADE ALUMINUM
BUTTON PHOTOCELL IN FITTER ORIENT NORTH (STERNBERG)
24" DIA. RLM (STERNBERG)
30" DIA. RLM (HANOVER)
UNDERSIDE FINISHED IN HIGH REFLECTIVITY WHITE ENAMEL
POLYCARBONATE ACORNS
STERNBERG - 12" X 12"
HANOVER - 15-3/4" DIA.

TAPERED POLE - 0.250" WALL
6061-T6 STRUCTURAL GRADE ALUMINUM WELDED FOR SINGLE CONSTRUCTION
STERNBERG (5" BOTTOM - 3" TOP)
HANOVER (5" BOTTOM - 4" TOP)

COLOR:
STERNBERG - ANTIQUE BRONZE
HANOVER - BRONZE

← SIDEWALK STREET →

ACCESS DOOR WITH STAINLESS STEEL ALLEN HEAD SCREWS

STERNBERG MDL. 1910 - RLM 24 - 2518 RRT 508
OR
HANOVER MDL. L55390

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CITY OF CHICO

STANDARD PLAN

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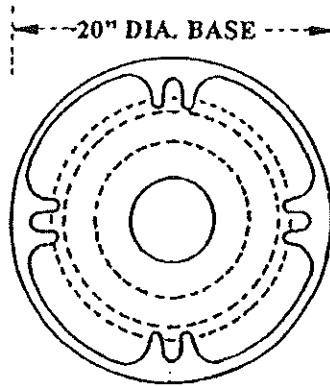
RESIDENTIAL STREET LIGHTING
ARCHED INVERTED LANTERN TYPE
LUMINAIRE AND POLE DETAIL

SL - 1

APPROVED *E.C.R.*
DIRECTOR OF PUBLIC WORKS

SHEET 7 OF 11

BOTTOM VIEW OF BASE



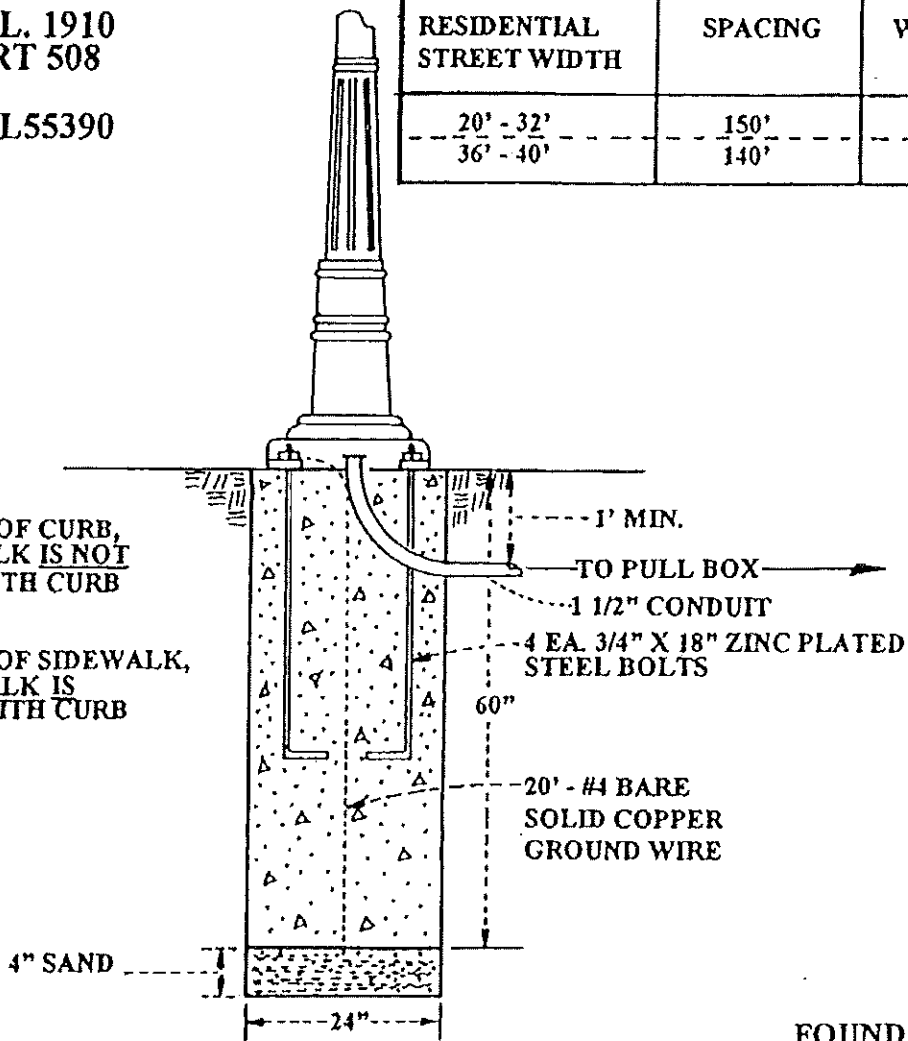
STERNBERG MDL. 1910
RLM 24 - 2518 RRT 508
OR
HANOVER MDL. L55390

RESIDENTIAL STREET WIDTH	SPACING	WATTAGE
20' - 32'	150'	70W HPS
36' - 40'	140'	70W HPS

LOCATION:

24" FROM BACK OF CURB, WHERE SIDEWALK IS NOT CONTIGUOUS WITH CURB AND GUTTER

18" FROM BACK OF SIDEWALK, WHERE SIDEWALK IS CONTIGUOUS WITH CURB AND GUTTER



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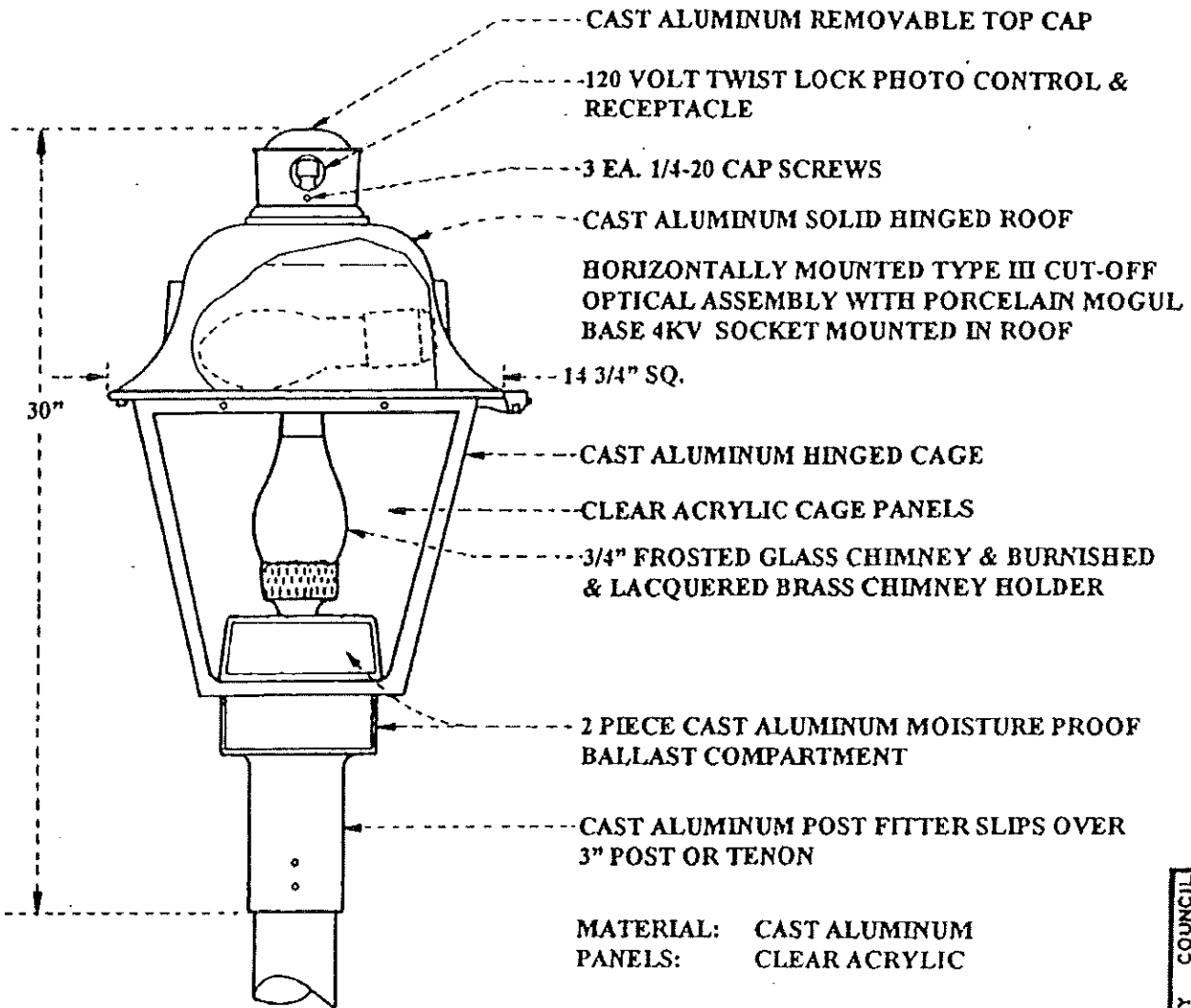
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 DIRECTOR OF PUBLIC WORKS

RESIDENTIAL STREET LIGHTING
 ARCHED INVERTED LANTERN TYPE
 FOUNDATION AND BASE DETAIL

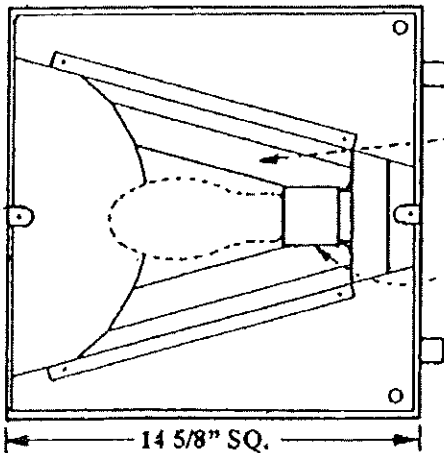
SL - 1

SHEET 8 OF 11

HANOVER GRANDE JEFFERSON MODEL NO. 8432R3



MATERIAL: CAST ALUMINUM
 PANELS: CLEAR ACRYLIC



BOTTOM VIEW OF TYPE III CUT-OFF REFLECTOR SYSTEM

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CITY OF CHICO

STANDARD PLAN

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 DIRECTOR OF PUBLIC WORKS

RESIDENTIAL STREET LIGHTING
 POST TOP LANTERN TYPE
 LUMINAIRE

SL - 1

SHEET 9 OF 11

HANOVER POLE MODEL NO. 329 - 18'

RESIDENTIAL STREET WIDTH	SPACING	WATTAGE
20' - 32'	150'	70W HPS
36' - 40'	140'	70W HPS

COLOR:	BRONZE
SHAFT MATERIAL:	TAPERED ALUMINUM
THICKNESS:	0.125"
DIAMETER:	3" O.D. TOP - 4" O.D. BOTTOM
BASE HEIGHT:	28 1/4"
BASE WIDTH:	13"
BASE DETAIL:	P-10L

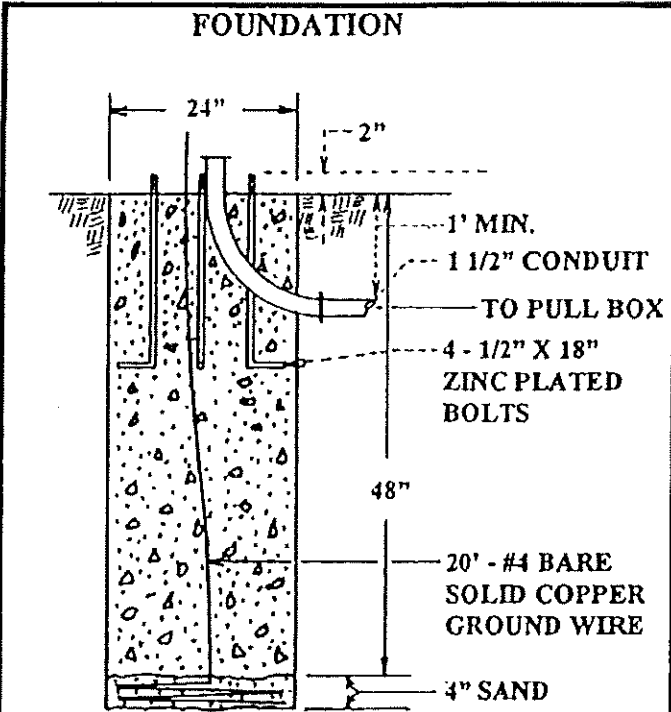
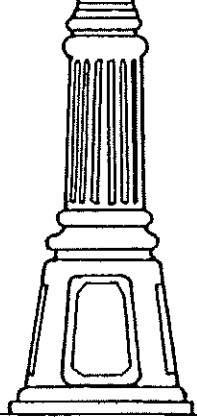
LOCATION:

24" FROM BACK OF CURB, WHERE SIDEWALK IS NOT CONTIGUOUS WITH CURB AND GUTTER

18" FROM BACK OF SIDEWALK, WHERE SIDEWALK IS CONTIGUOUS WITH CURB AND GUTTER

REVISION	BY	DATE	APP. BY	COUNCIL
ORIGINAL	E.C.R.	5/12/99		

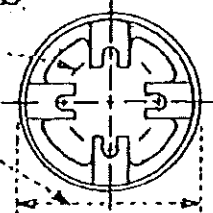
18'



BOTTOM VIEW OF BASE.

7" BOLT CIRCLE

13" OUTSIDE DIA.



CITY OF CHICO

STANDARD PLAN

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 APPROVED EC Ross
 DIRECTOR OF PUBLIC WORKS

RESIDENTIAL STREET LIGHTING
 POST TOP LANTERN TYPE
 POLE AND FOUNDATION

SL - 1

SHEET 10 OF 11

GENERAL NOTES:

1. All conduit to be used shall be rigid metal, or schedule 40 polyvinyl chloride, unless otherwise shown on the plans or stated in the Specifications. The minimum depth of cover for conduit shall be as follows:
 - A. Within sidewalk or landscape areas: 1'0" min.
Between power supply and pull box: 18" min.
 - B. Within roadway areas: 24" min.
2. The underground conduit and all metal parts shall be continuously bonded and grounded.
3. Minimum radius of bends shall be 18" inches. All bends and/or offsets shall be made with factory fabricated sections. There shall be no more than three bends per run.
4. Unless otherwise approved by the Director of Public Works, a No. 5 pull box (Caltrans Std. ES-8) shall be used at all street light standards. Covers shall be inscribed "Street Lighting" and secured with solid brass hold-down bolts.
5. Long conduit runs are to be avoided. Direct power service from P.G. & E. Secondaries to the pull box shall be provided when possible. Junction boxes to be a maximum of 250 feet apart on long runs.
6. All splices shall be waterproof, made with approved solderless connectors of the proper size, and shall conform to Caltrans Std. Plan ES-13.
7. All empty conduits shall be capped and a 1/4" inch nylon pull rope shall be installed inside with each end secured in such a way as to assure that they will remain exposed.
8. When a private party is to develop a system and then dedicate the system to the City, the following shall apply: The private party shall be responsible for arrangements with P.G. & E., and all connection and service fees charged by the utility.
9. Each street light shall have a fuse-disconnect in the adjacent pull box.
10. All conductors shall be copper.
11. Lights to be placed on alternating sides of the street. Variations permitted with the approval of the Director of Public Works.

REVISION	BY	DATE	APP.	BY	COUNCIL
		E.C.R.	3/12/99		
ORIGINAL					

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**STREET LIGHTS
GENERAL NOTES**

SL - 1

SHEET 11 OF 11