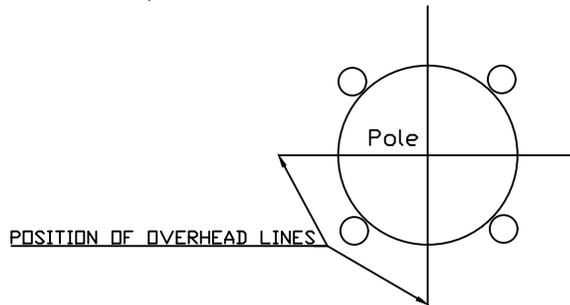
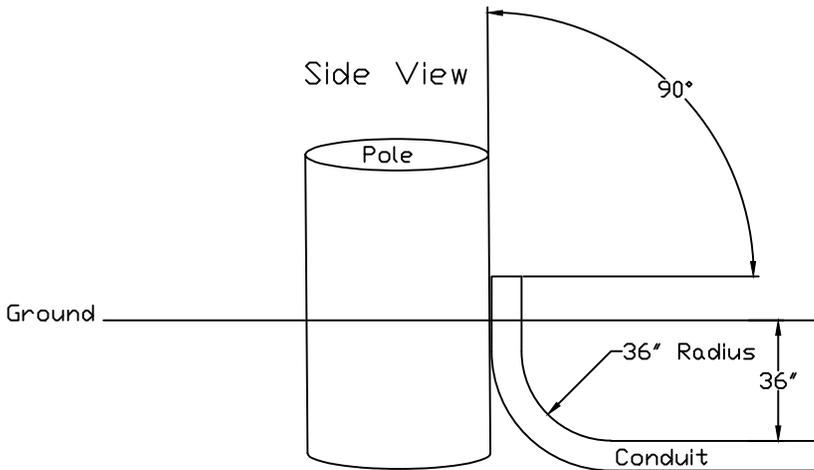


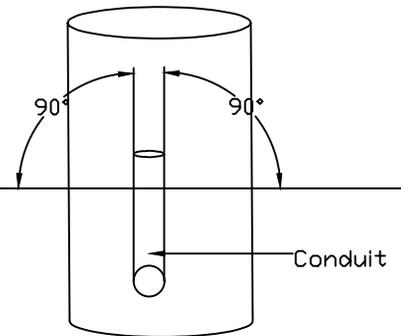
Top View



Side View



Front View



Installation Notes

1. Riser bends will be Schedule 80 PVC.
2. Riser bends will be located in the center of a quadrant of the pole and must be against the pole and parallel to the pole.
3. Riser bends must have a minimum of 36" of cover at the lower end.
4. Riser bends must also be perpendicular to level grade.
5. Call COSL Electric to mark location of riser prior to installation.

(530)275-7445

DWN./REV. A.O. / JJC

CHK'D T.D.

DATE 08/14/18 SCALE NTS

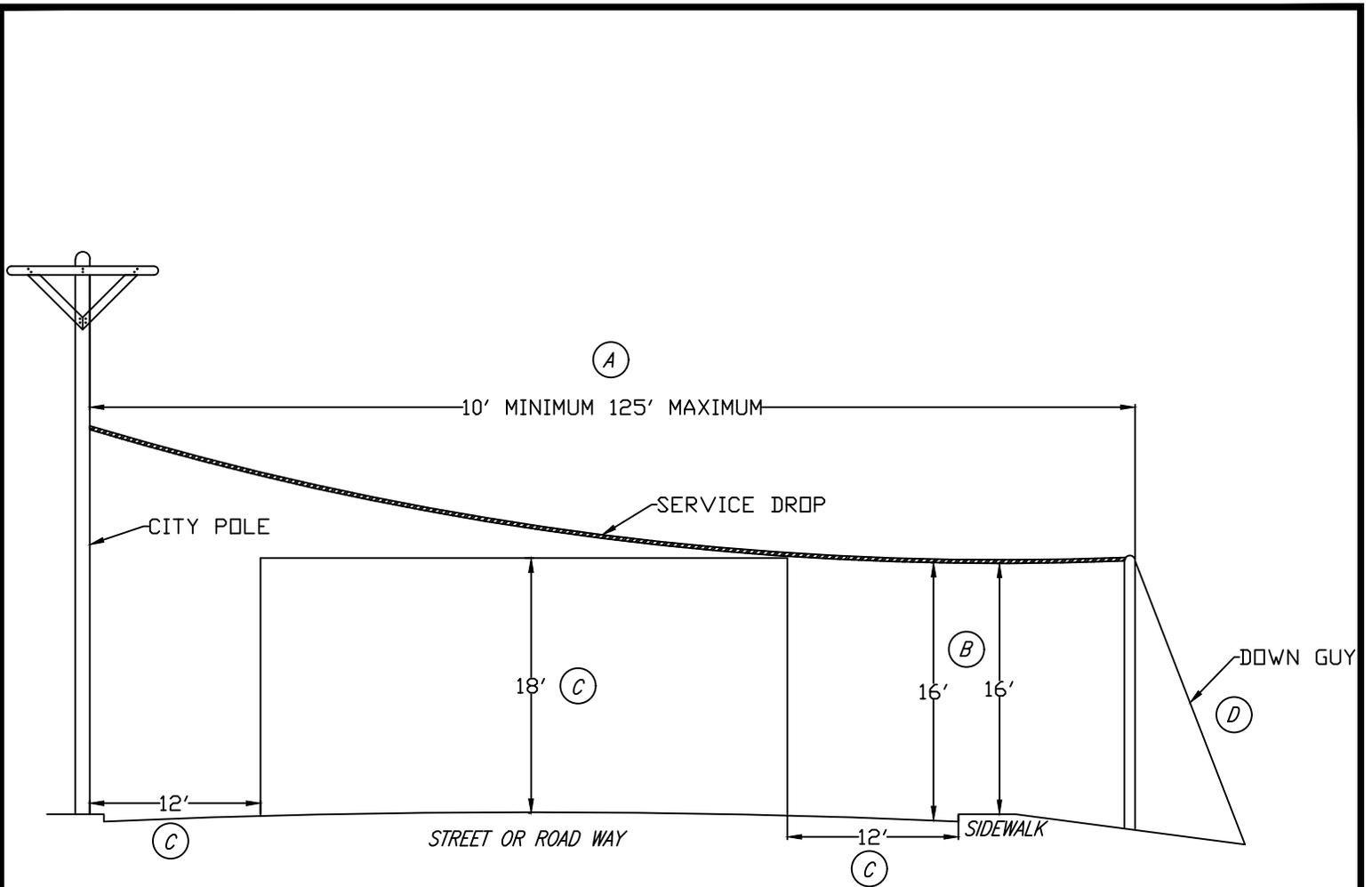
Requirements For 12KV Primary Riser

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 1 OF 1

DRAWING NUMBER

PP001-1



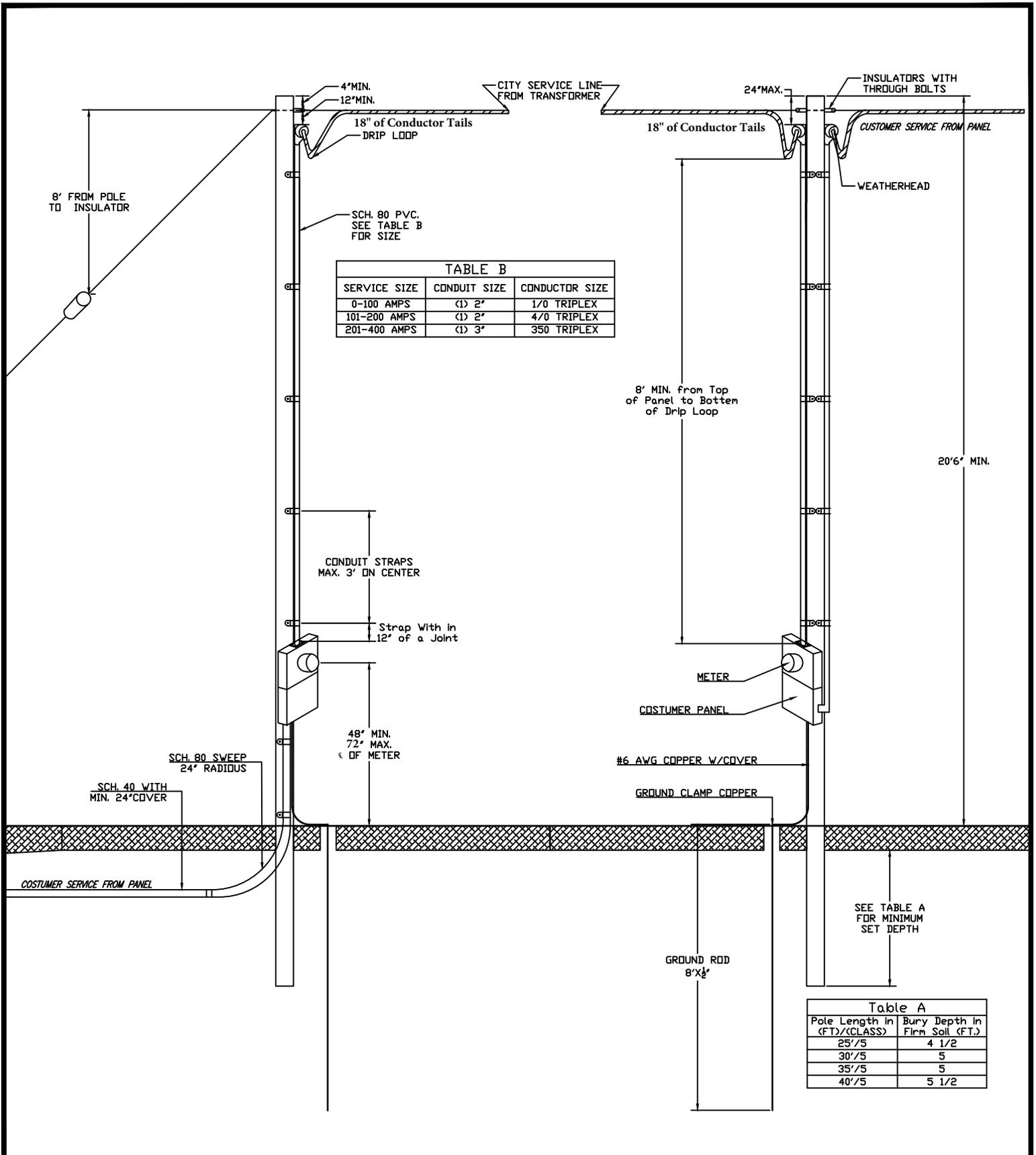
Clearance for Service Drops and Poles	
Ⓐ	Service Poles will be a minimum of 10' away from a City Pole or vertical plane of a through conductor on a City Pole and a maximum of 125' away from a City Pole
Ⓑ	Service Drop will have a minimum clearance of 16' at edge of road or top of sidewalk which ever is higher
Ⓒ	The Service Drop will have a minimum of 18' of clearance at a point 12' from edge of Road or Face of Sidewalk or Curb.
Ⓓ	A Down Guy can be required on a Service Pole with any Service Span length, but will be required for a Service Span of over 100' and need to be able to hold a minimum of 2500 pounds.

DWN./REV. A.O. / JJC	
CHK'D T.D.	
DATE	SCALE
08/14/18	NTS

Clearance For Service Drops and Poles

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 1 OF 1
DRAWING NUMBER
SD001-1

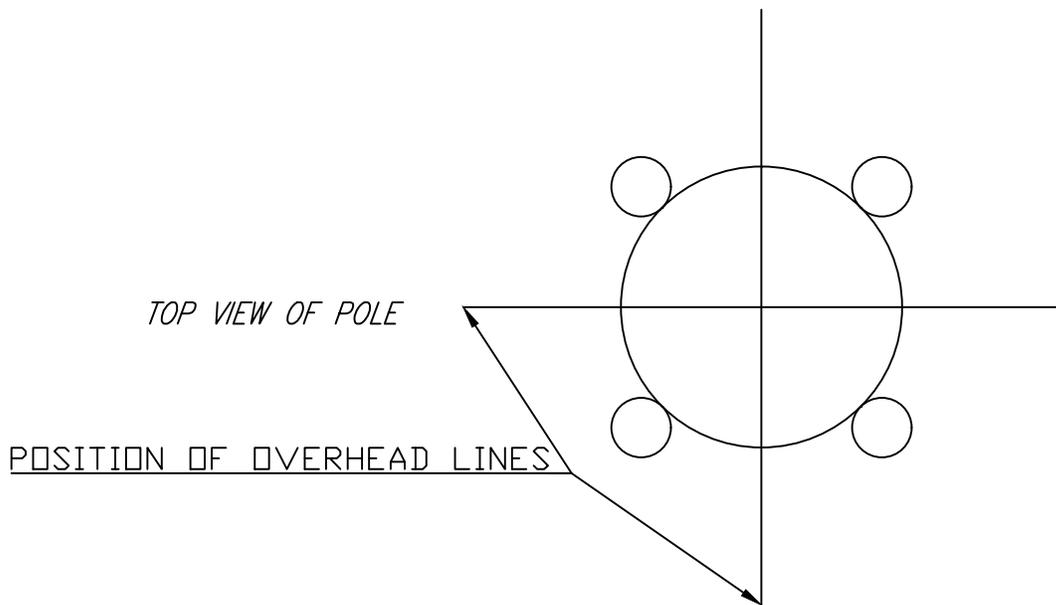


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CHK'D T.D.	
DATE	SCALE
08/14/18	NTS

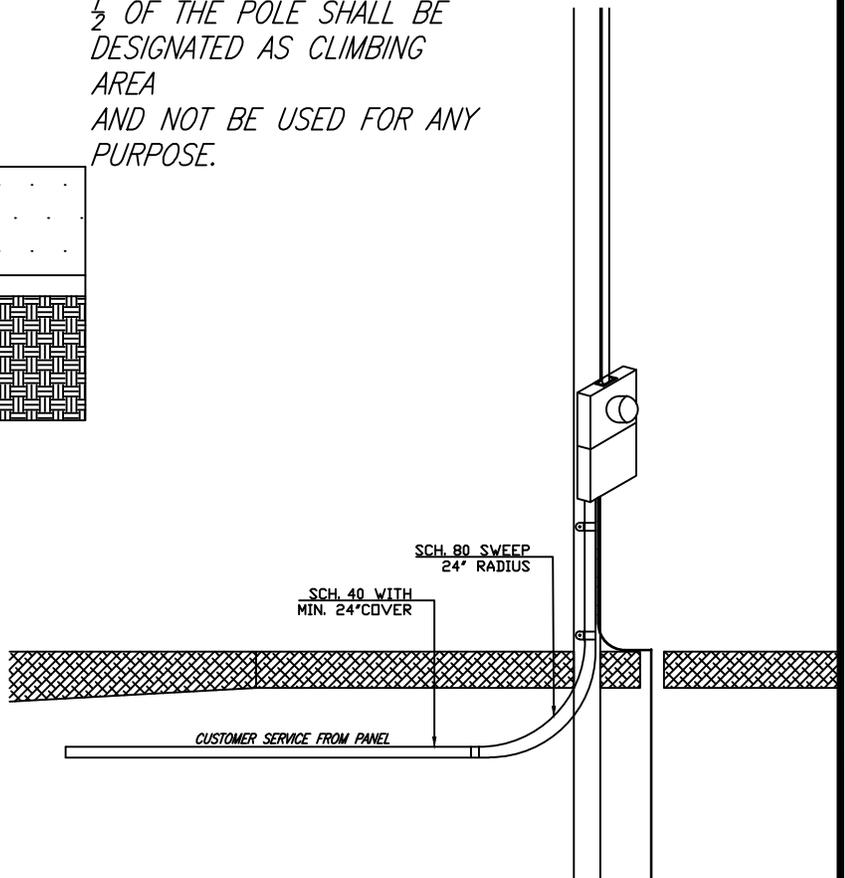
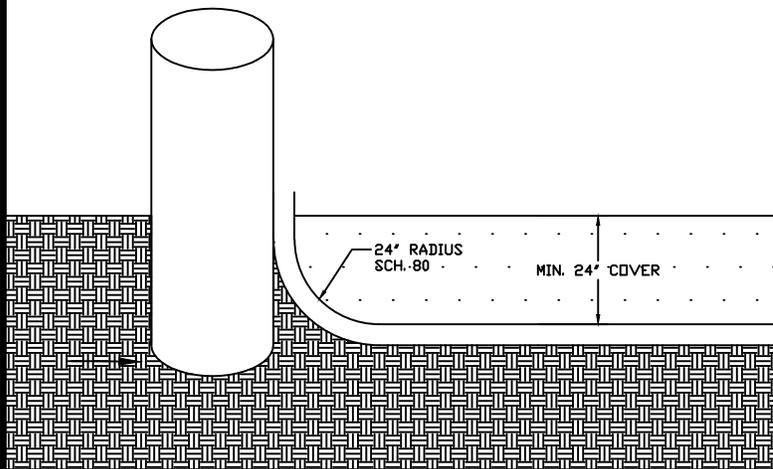
Customer Owned Service Pole Requirements

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 1 OF 3
DRAWING NUMBER
SP001-1



EQUIPMENT AND CONDUITS SHALL BE CENTERED IN 1 OF THE QUADRANTS SHOWN. $\frac{1}{2}$ OF THE POLE SHALL BE DESIGNATED AS CLIMBING AREA AND NOT BE USED FOR ANY PURPOSE.



DWN.	JJC
CHK'D	T.D.
DATE	SCALE
08/14/18	NTS

Conduit and Equipment Placement on Pole

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 2 OF 3

DRAWING NUMBER
SP001-2

**CITY OF SHASTA LAKE ELECTRIC DEPARTMENT
CONSTRUCTION REQUIREMENTS APPLICABLE FOR ALL TYPES OF SERVICE
(i.e., Residential, Commercial, and Industrial)**

1. The Developer/Customer shall establish service from the City of Shasta Lake's Electric Department and provide all necessary easements for Electric Supply Facilities as required by the City of Shasta Lake's Electric Department.
2. The Developer/Customer shall furnish and install all substructures specified by the City of Shasta Lake.
3. The Developer/Customer shall be responsible to locate and properly place electric utility facilities within utility easements and public right of way.
4. It is the responsibility of the Developer/Customer to set all primary boxes so that the box lid is at the same elevation as the lowest final elevation of the adjacent sidewalk, top of curb or pavement edge (existing, proposed, or future). All secondary boxes will be set at the same elevation and slope of the adjacent sidewalk, curb or pavement.
5. The Developer/Customer shall furnish and install (unless otherwise shown) all conduits for services, secondary and primary conduits. Below grade conduits shall be Schedule 40 PVC.
6. The Developer/Customer shall perform all trenching and backfill per the City of Shasta Lake requirements.
7. All conduit and substructures to be used by the Electric Department must be inspected prior to backfilling. Failure to obtain an inspection will require the installer to expose any or all of the buried facilities for an inspection. Call (530) 275-7445, prior to backfilling, to schedule an inspection by the Electric Department.
8. Bell ends shall be placed on all conduit terminations. Bell ends shall be Schedule 40 PVC.
9. All conduits installed by the Developer/Customer shall be cleaned by using brushes and/or swabs.
10. All conduits without conductors shall have a minimum 1250lb. polyester MULETAPE, or an equal (especially designed for that purpose) pull line provided and installed by the Developer/Customer. Pull line must be continuous, with no knots.
11. Conduit systems are for future use as well as initial cable installation; therefore, the Developer/Customer shall use all care required during the pulling of cable to insure that the conduit is not damaged.
12. All conduit sweeps shall be Schedule 40 PVC. All conduit riser bends shall be Schedule 80 PVC. Conduit sweeps or bends shall not be cut or otherwise modified. All joints shall be glued per manufacturer's specification and provide a water tight fit.
13. Conduit runs shall be limited to not more than 3-90° bends, or a combination of angles with not more than 270° deflection throughout the conduit run, unless otherwise shown on City of Shasta Lake approved plans.
14. All conduit and wire sizing will be by the City of Shasta Lake Electric Department staff.
15. The Developer/Customer shall furnish and install all low voltage (0-600V) cable. Cable shall be XLPE insulated, NEC type "U.S.E.-2" Aluminum, unless specified by the City. Service cables are normally sized to match customer main panel rating.
16. The Developer/Customer shall coil 6' of cable in each splice enclosure with the ends protected by plastic caps taped secure to the cable. All cable will be spliced and terminated by the City of Shasta Lake.
17. There shall be no splices in low voltage (600V) wire except in City approved splice enclosures.
18. The neutral conductor of low voltage (600V) tri-plex cable shall be insulated with a yellow pigmented XLP compound for easy identification. Single conductor cable used as neutral without yellow marking (pigmented) shall be identified at each splicing point by approved white electrical tape.
19. All new panels over 200 amp rating shall be served by an underground service.
20. The City of Shasta Lake will determine all points of service. Service points normally shall provide minimum cable lengths and provide accessibility for operations and maintenance.
21. All electric meter service panels shall be installed so that the centerline of the meter socket is not less than 48" above final grade, and not more that 72" above final grade.
22. Electric meter service panels must be UL listed service equipment and be inspected by the City of Shasta Lake Building Department.
23. All electric meter service panels must be located on an external wall and must have an external main disconnect. All electric service used on the premises shall be supplied exclusively by the City except for electricity produced by customer-owned generation equipment which shall be interconnected on the customers side of the electric meter in accordance with all applicable requirements. Customer shall not, directly or indirectly, sell, sublet, assign or otherwise dispose of the electric service, or any part thereof.
24. The Developer/Customer shall furnish, install, own, and maintain conduit 2 feet from their outer building line to their terminating facility.
25. Replacement or enlargement of low voltage wire and conduit due to relocation or increased load shall be the responsibility of the Developer/Customer.
26. The Developer/Customer is to note that the City of Shasta Lake Electric Department will require reimbursement for all costs associated with the relocation of their facilities requested by the Developer/Customer or necessitated by the construction of improvements required as a condition of approval of the Developers/Customers project.
27. Groundwater/stormwater intrusion and migration in any trench is the responsibility of the customer and/or their trenching agent for the life of the facilities placed in the trench.
28. All utility padmount transformers and switchgear equipment pads shall be located within 8' of a paved driveable access.
29. The Developer/Customer shall furnish and install street light base, conduit, standard, arm, luminaire, and conductor per the City of Shasta Lake requirements.

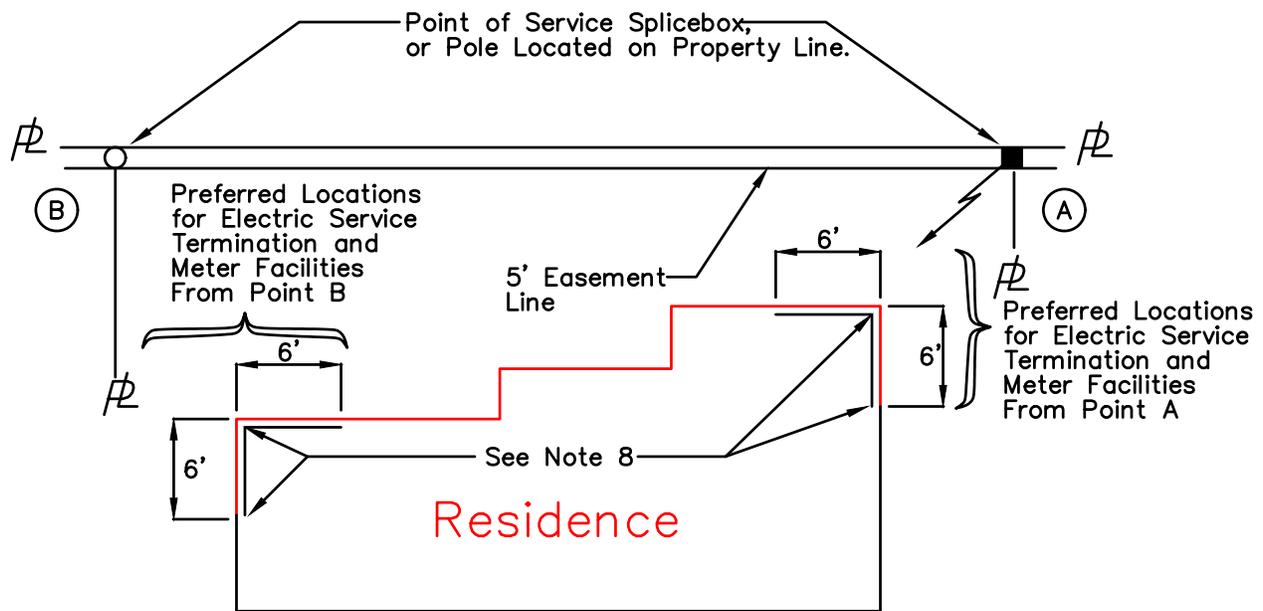
DWN/REV A.O./JJC	
CHK'D T.D.	
DATE REVISED	SCALE
05/29/20	NTS

Electric Service Construction Requirements

SHEET 1 OF 1

DRAWING NUMBER
SR001-1

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT



-  Walls on which underground electric service termination and meter facilities are permitted.
-  Walls on which underground electric service termination and meter facilities are permitted but not preferred.
-  Outside building walls.
-  Service Trench, Conduit, & Conductor by the customer
-  Property Line

NOTES:

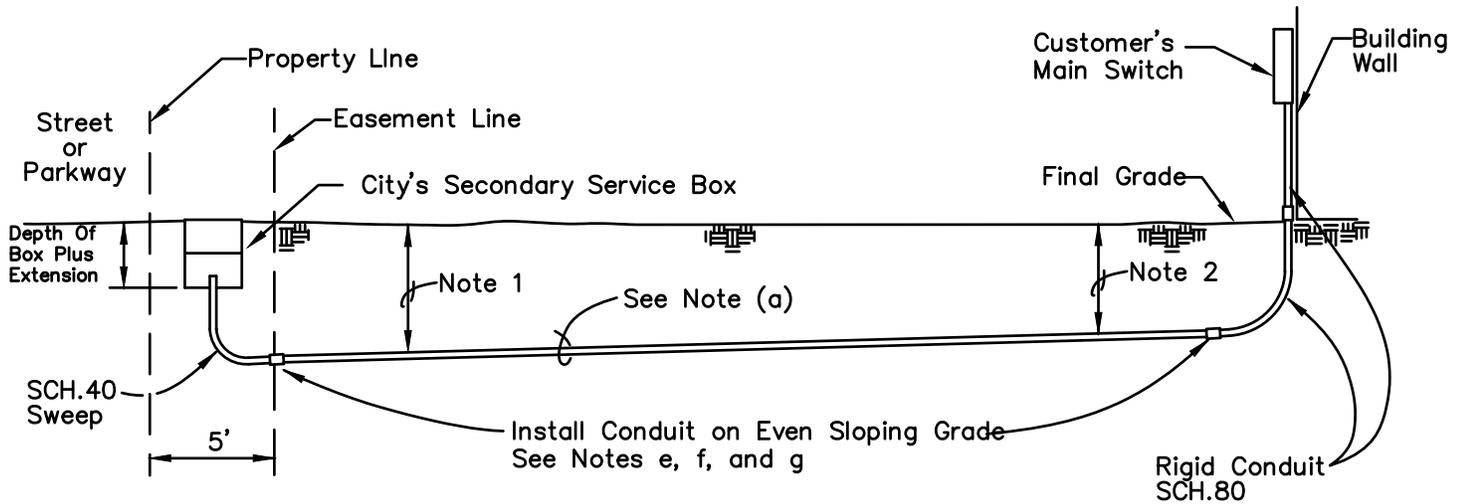
1. Underground electric service termination facility and meter shall be attached to the wall facing and nearest the point of service as determined by City of Shasta Lake Electric Department when subdivision was developed.
2. The meter location shall be accessible for inspection, reading, and testing.
3. If a preferred location is not practicable, consult City of Shasta Lake Electric Department.
4. If there is any doubt as to point of service contact City of Shasta Lake Electric Department.
5. Contact the City of Shasta Lake Electric Department for utility trench layout across front of lot.
6. There shall be no splices in the service wires except at the point of service. All services over 100' require City of Shasta Lake Electric Department approval.
7. For underground service the customer shall coil 6' of wire in pull box at the point of service for future splicing by the City of Shasta Lake. If pole is point of service, consult the City of Shasta Lake Electric Department for length of wire to be coiled on pole for future splicing by City of Shasta Lake.
8. If building side wall is less than 5' from property line this area cannot be used for a meter location.

DWN./Rev. A.O./J.C.	
CHK'D T.D.	
DATE 05/29/20	SCALE NTS

Underground Single Family Residential Service
(Meter Location)

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 1 OF 5
DRAWING NUMBER SR002-1



NOTES:

1. Minimum Secondary conduit cover at box location = 24".
2. Minimum Secondary conduit cover at termination facilities = 24".
3. Appropriate excavation depth shall be provided such that standard 24" radius 90° bends may be installed as shown. Conduit bends shall not be cut or otherwise modified.

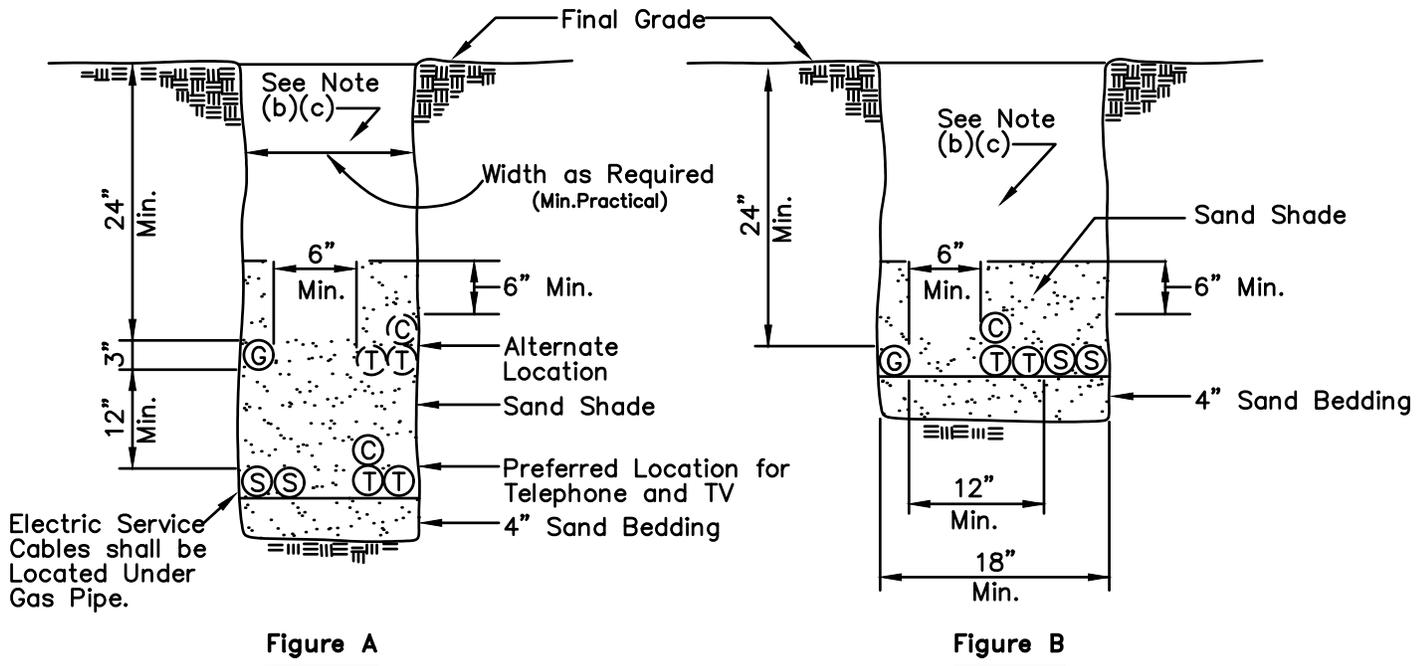


Fig. 4 TYPICAL SERVICE TRENCH DESIGN

- | | |
|----------------------------------|------------------------------|
| G – Gas Pipe | T – Telephone Service |
| S – Electric Services in Conduit | C – Cable Television Service |

(NOTES, SEE SHEET 3 OF 5)

DWN./REV. A.O./J.C.	Underground Single Family Residential Service (Trench Detail)	SHEET 2 OF 5
CHK'D T.D.	CITY OF SHASTA LAKE ELECTRIC DEPARTMENT	DRAWING NUMBER SR002-2
DATE 05/29/20	SCALE NTS	

CUSTOMER SHALL FURNISH AND INSTALL AT OWN EXPENSE:

- a. Service lateral conduits and sweeps from point of service to terminating facility; Size shall be based on ampere capacity of bus or service equipment, whichever is greater. See Sheet 4.
- b. Backfill and compaction to meet City requirements. Shade all utilities with 6" of sand cover.
- c. Depths and separation shown are minimums. Variances may be required if larger diameter facilities are to be installed. Gas facilities shall conform to provisions of C.P.U.C. G.O. 112C and electric facilities to provisions of C.P.U.C. G.O. 128.
- d. Electric service conduit shall be Schedule 40 PVC or greater, as specified by the City of Shasta Lake Electric Department. All sweeps shall be PVC schedule 40, all riser sweeps and/or conduit to extend above final grade shall be PVC schedule 80.
- e. If the bottom of the customer's main switch is at a lower elevation than the ground around the service splice box, water migration towards customer termination facilities will exist. It shall be the customer's responsibility to install duct seal and a customer owned intermediate splice box to prevent water intrusion. The City of Shasta Lake Electric Department assumes no responsibility for water intrusion.
- f. A water and/or sewer service is not allowed in a joint trench with electric, where there is a water or sewer service crossing a joint trench, contact the City of Shasta Lake Electric Department for clearance requirements.
- g. Ground water/storm water intrusion and migration in any trench is the responsibility of the customer and/or their trenching agent for the life of the facilities placed in the trench.

<small>DWN/REV</small> A.O./J.C.	Underground Single Family Residential Service (Service Trench Notes) CITY OF SHASTA LAKE <small>ELECTRIC DEPARTMENT</small>	<small>SHEET</small> 3 <small>OF</small> 5
<small>CHK'D</small> T.D.		<small>DRAWING NUMBER</small> SR002-3
<small>DATE REVISED</small> 05/29/20		<small>SCALE</small> NTS

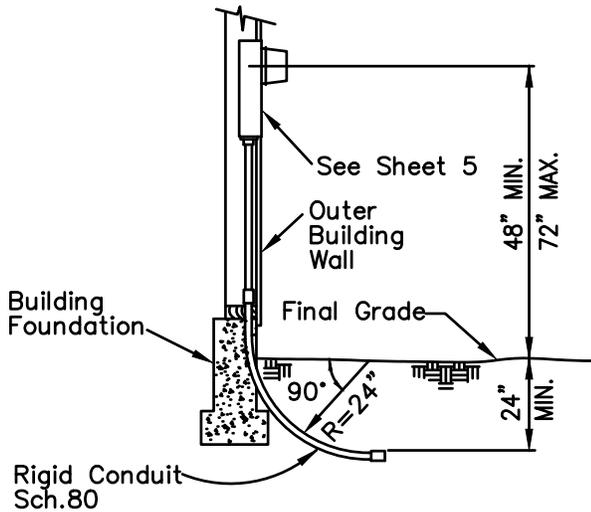


Fig.1 RECESSED MOUNTED

SERVICE TERMINATION ENCLOSURE

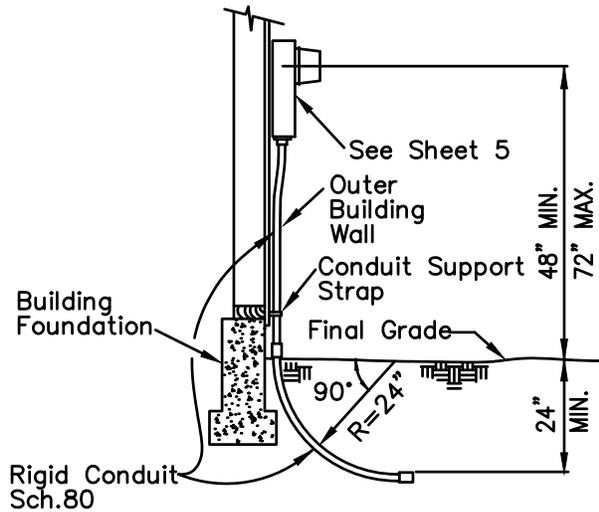


Fig.2 SURFACE MOUNTED SERVICE

TERMINATION ENCLOSURE

CUSTOMER INSTALLED SERVICE EQUIPMENT OR BUS CAPACITY	CUSTOMER FURNISHED & INSTALLED SERVICE CONDUIT FOR 3 WIRE SERVICE NO. & SIZE	CUSTOMER FURNISHED & INSTALLED SERVICE WIRE FOR 3 WIRE SERVICE (NOTE 6 & 7)
0-100 AMPS	1-2"	1/0 TRIPLEX
101-200 AMPS	1-2"	4/0 TRIPLEX
201-400 AMPS	1-3"	350 TRIPLEX

1. All conduit installed shall be Schedule 40 PVC. Exposed conduit shall be Schedule 80 PVC.
2. Any PVC exposed to sunlight will be schedule 80 or equal.
3. Verify meter and service location with the City Electric Department before installation.
4. Customer shall furnish, install, own and maintain conduit 2' from their outer building line to his terminating facility.
5. Service lateral conduit specified in conduit and wire table(above) is limited to not more than 3-90° bends, or a combination of angles with not more than 270° deflection through the service run, unless shown otherwise on City of Shasta Lake Electric Department approved plans.
6. All service wire shall be XLP insulated N.E.C. type "U.S.E.-2" Aluminum. All exposed cable ends shall be protected by plastic caps and taped secure to the cable.
7. All new services for 201-400 AMP will have 1-3" conduit minimum.

DWN/REV A.O./J.C.

CHK'D T.D.

DATE REVISED 05/29/20 SCALE NTS

**Underground Single Family Residential Service
(Termination Enclosure Mounting)**

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 4 OF 5

DRAWING NUMBER
SR002-4

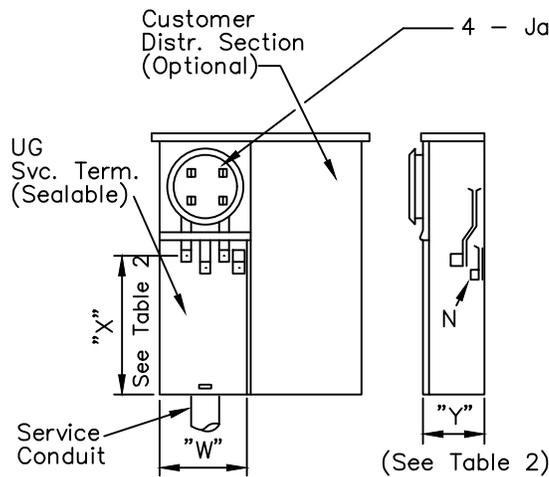


Fig. 1 TYPICAL UG SERVICE TERMINATION ENCLOSURE COMBINATION METER SOCKET PANEL (Residential 0-200 Amp.)

Table 2. (Ref. Fig. 1)

MAXIMUM CAPACITY	"W" MIN. DIM.	"X" MIN. DIM.	"Y" MIN. DIM.
125A	7"	8"	4"
200A	7"	11"	5 1/2"

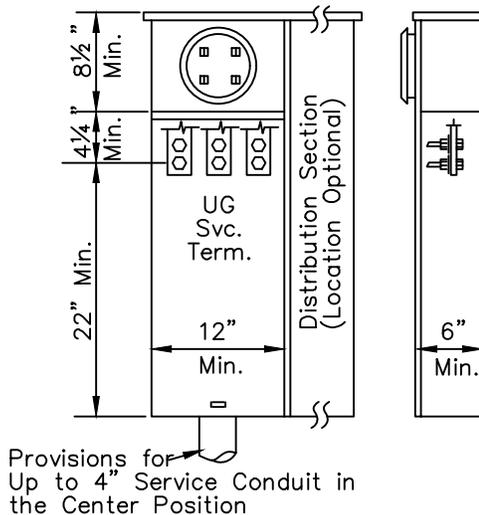


Fig. 2 TYPICAL SERVICE TERMINATION ENCLOSURE COMBINATION METER SOCKET PANEL FOR CLASS 320 METER

(Residential 120/240v, 201-320 Amp. Service)
4-Jaw Meter Socket Only. No Bolt on Panel Accepted.

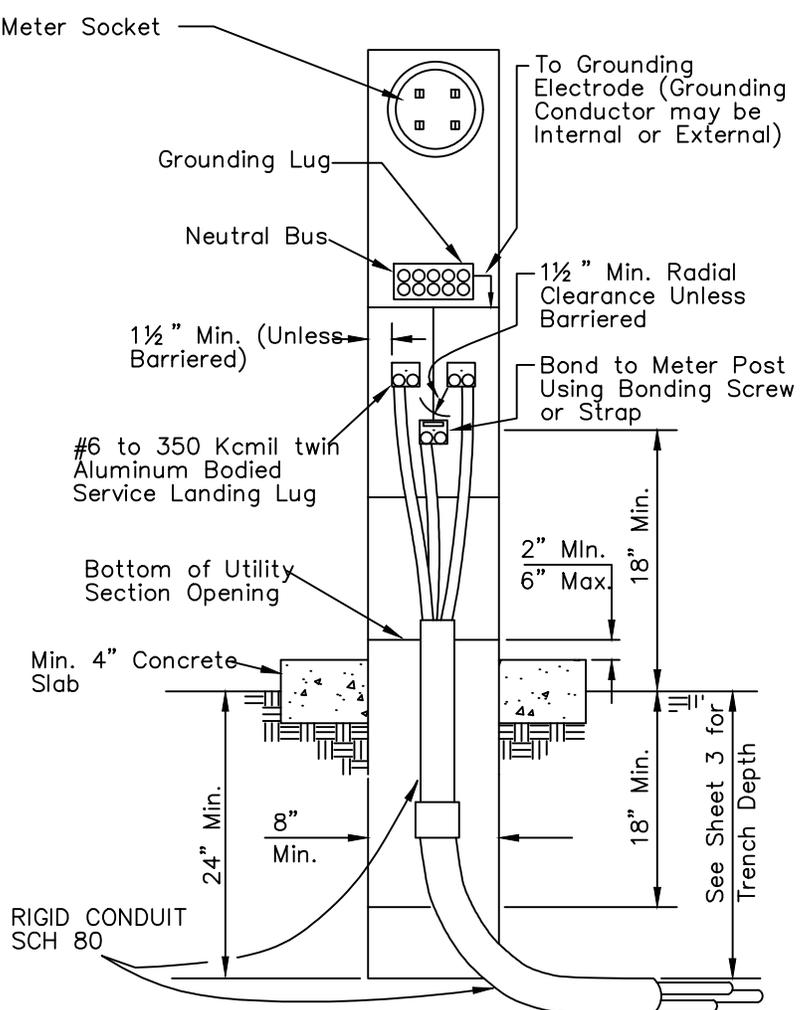


Fig. 3 METER POST FOR SERVICE TO A MOBILE HOME (0 through 200 amps)

NOTES:

1. Conductors to class 320 meter panels shall be terminated with compression lugs with Nema pads shown in Figure 2. See Sheet 4 for wire sizes applicable to subject panels.
2. Replacement or enlargement of service lateral conduits and conductors due to relocation or increased load will be accomplished by the customer. The conduit that is on, within or under the building, will be owned, maintained, and replaced by the applicant.
3. Where the applicant's terminating facilities are appreciably lower in elevation than at the street end, both ends of the conduit will be sealed to avoid the possibility of a static head of water against the Duxseal at the lower end of the conduit run.

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Underground Single Family Residential Service (Termination Enclosure Types)

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET	5	OF	5
DRAWING NUMBER			
SR002-5			

**MINIMUM SPECIFICATIONS FOR UNDERGROUND
SECONDARY AND SERVICE CONDUCTORS**

Maximum Normal Operating Temperature..90°C Dry 90°C Wet Insulation TypeXLPE	
Conductor Size AWG or KCMIL	Insulation Thickness Mils
12-10 8-2 1-4/0 213-500 501-1000	45 60 80 95 110
Outer CoverMoisture Resistant Nonmetallic ApplicationDry or Wet Locations	

NOTES:

1. All 600 Volt secondary and service conductors supplied by customer/contractor shall be XLPE insulated type U.S.E.-2 cable.
2. All cable shall be stamped U.S.E.-2 and meet all specifications of the above table.
3. Cables stamped with the following markings are acceptable:
 - a. U.S.E.-2 - XLPE
 - *b. U.S.E.-2 - RHW-2 RHH
 - c. U.S.E.-2 - XPLE RHW-2 RHH
4. All requirements shall be met in order to be connected to City of Shasta Lake electrical system.
(*XLPE insulation must be verified via manufacturer's product data sheet and purchase invoices).

DWN./REV. A.O. / JJC		600 Volt Secondary and Service Conductors	SHEET 1 OF 1
CHK'D T.D.			DRAWING NUMBER
DATE	SCALE	CITY OF SHASTA LAKE ELECTRIC DEPARTMENT	SR003-1
06/03/20	NTS		

1. GENERAL NOTES

- a. The information shown on this drawing is intended to advise customers of the minimum requirements for customer owned service poles for temporary underground electric service. These requirements have been established by the State of California and the City in the interest of safety to the public and to workers. The city cannot establish service to poles which do not meet these minimum requirements. The maintenance of customer service poles in with these conformity requirements is the sole responsibility of the customer.
- b. Inspection and approval is required before service can be connected.
- c. When single phase service larger than 100 amps or three phase service is desired, consult the City.
- d. The use of temporary service poles shall be restricted to installation of a temporary nature such as building construction, temporary sales locations, or other uses requiring electric service for one year or less. Temporary service poles shall be furnished and installed by the customer. If the temporary service is to be established at the permanent meter location, consult the City.
- e. Temporary power poles will not be located in the shaded area as shown in Fig.1. In no case shall the pole be located closer than 3' from the box.
- f. Address number shall be attached to meter pedestal as shown. Minimum 2" numbers are required.

2. GROUNDING NOTES

The grounding system shall conform to the minimum grounding requirements of the Electrical Safety Orders as follows:

- a. The path to ground from circuits, equipment and conductor enclosures shall be permanent and continuous. All metallic enclosures and conduit enclosing service entrance conductors shall be connected to the common ground.
- b. A continuous grounding conductor shall be extended from the neutral terminal of the service switch to a grounding electrode. The ground conductor shall be No.8 AWG copper minimum for No.2 AWG copper (or aluminum equivalent) or smaller service entrance conductors and No.6 AWG copper for No.1 or 1/0 AWG copper (or aluminum equivalent) service entrance conductors. The ground conductor shall be protected against mechanical injury by rigid steel conduit or armor cladding connected to the grounding electrode by means of an approved conduit grounding hub and clamp or approved armor grounding hub and clamp. The connection to the grounding electrode must be above ground or otherwise readily accessible for inspections.
- c. A metallic underground water piping system, either local or supplying a community, shall always be used as a grounding electrode where such piping system is available. If the buried portions of the metallic piping system is less than 10 feet in length (including well castings bonded to the piping system) or there is a probability that the piping system may be disconnected, it shall be supplemented by one or more of the following electrodes driven 8 ft. into the ground: (1) Galvanized pipe not smaller than 3/4" inside diameter. (2) Copper clad steel or non-ferrous rod not smaller than 1/2" diameter. (3) Iron (or steel) rod not smaller than 5/8" diameter.

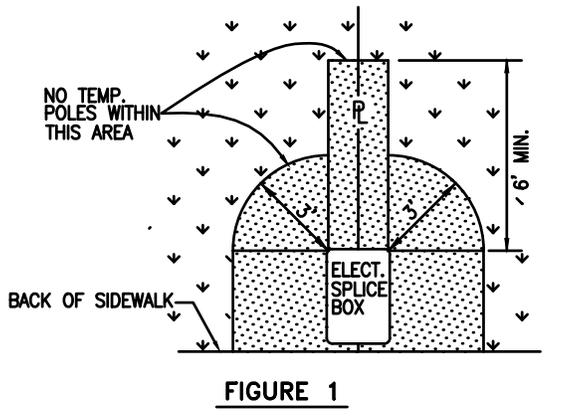
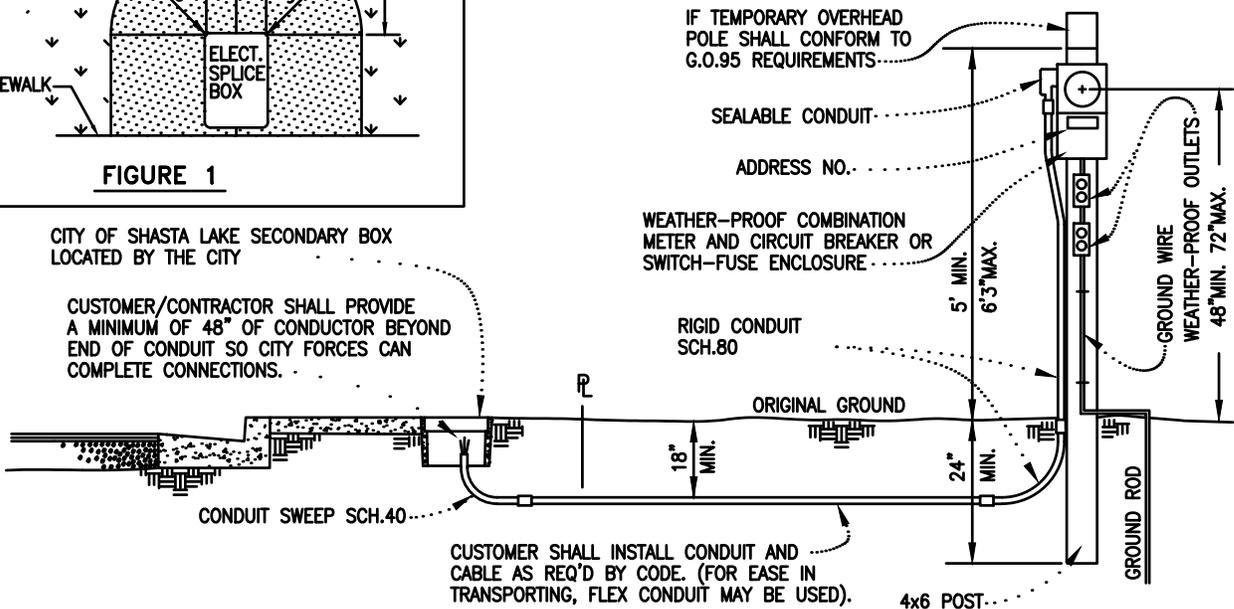


FIGURE 1

CITY OF SHASTA LAKE SECONDARY BOX LOCATED BY THE CITY

CUSTOMER/CONTRACTOR SHALL PROVIDE A MINIMUM OF 48" OF CONDUCTOR BEYOND END OF CONDUIT SO CITY FORCES CAN COMPLETE CONNECTIONS.

CAUTION: NON-METALIC WATER PIPE IS NOT SUITABLE FOR USE AS A GROUNDING ELECTRODE.



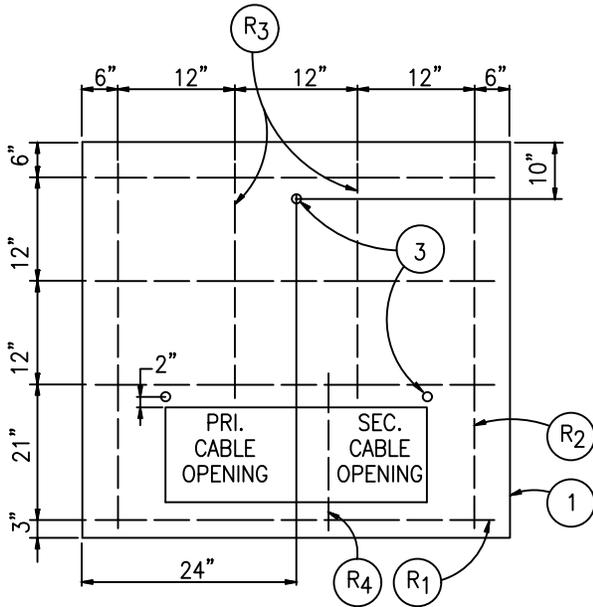
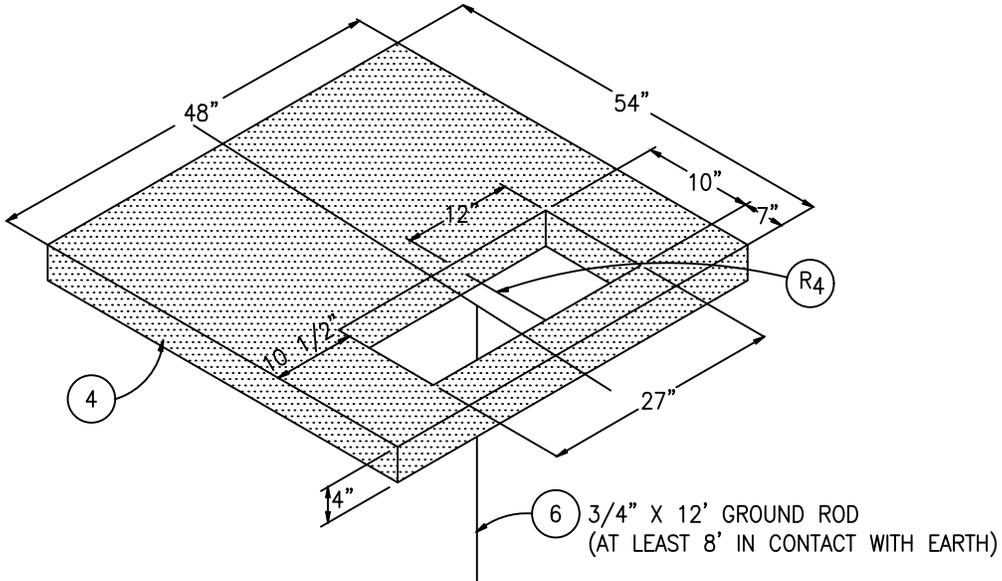
DWN. A.O./J.C.	
CHK'D T.D.	
DATE	SCALE
08/13/20	NTS

Temporary Underground Electric Service

SHEET 1 OF 1

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

DRAWING NUMBER
SR004-1



REINFORCING IRON		
TYPE NO.	REQ'D	DESCRIPTION
R ₁	4	1/2" X 3'-6"
R ₂	2	1/2" X 4'-0"
R ₃	2	1/2" X 2'-7"
R ₄	1	1/2" X 1'-11"

ITEM	QUANTITY	DESCRIPTION UPD-1P
1	6 CU. FT.	CONCRETE, CLASS "A", 5 1/2 SACK MIX
2	13.4 LBS	REINFORCING RODS, SEE TABLE ABOVE
3	3	THREADED INSERTS FOR 1/2" LIFTING BOLTS.
4	1	TRANSFORMER PAD
5	2	3E BOX EXTENSION
6	1	3/4"x 12' GROUND ROD

NOTES:

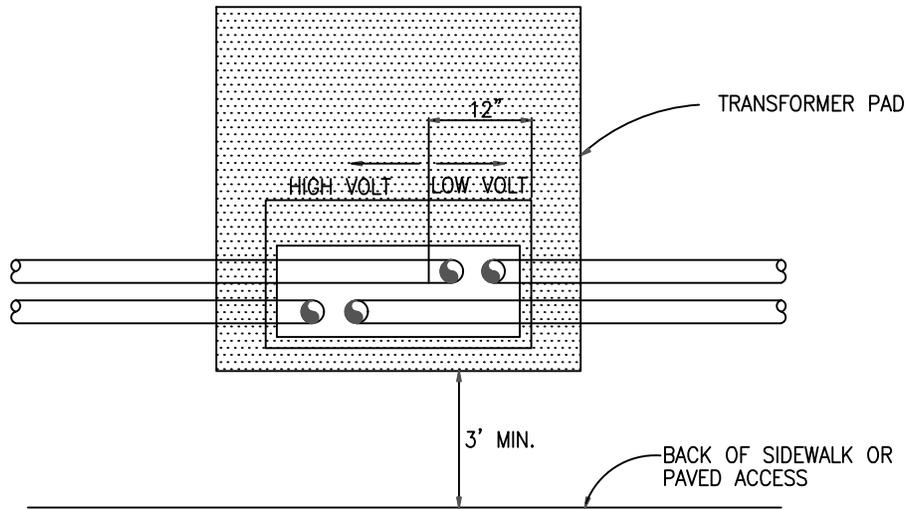
1. ABOVE PAD MAY BE PRECAST OR POURED IN PLACE. IF POURED IN PLACE OMIT ITEM 3.
2. SEE DRAWING SR006-1 FOR PAD CLEARANCES.
3. SEE DRAWING SR007-1 AND SR007-2 FOR PAD BARRIER PROTECTION.
4. ALL SOIL WILL BE COMPACTED UNDER AND AROUND THE PAD BY JETTING AND/OR WACKER TO A MINIMUM OF 90% RELATIVE DENSITY.
5. CUSTOMER INSTALLED.

DWN.	A.O.
CHK'D	P.E.
DATE	SCALE
02/25/05	NTS

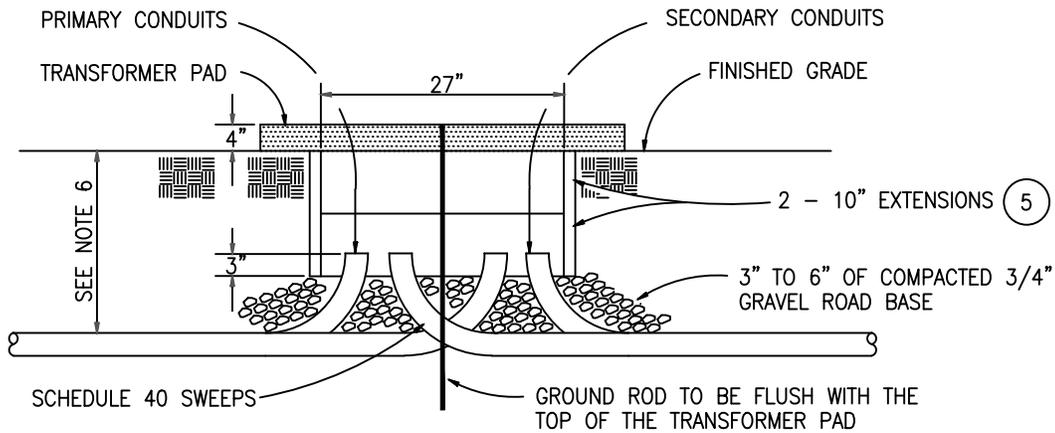
**1 Phase Transformer Pad Installation 25-167 KVA
(Pad Details)**

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET	1	OF	2
DRAWING NUMBER			
SR005-1			



PLAN



SECTION

NOTES

1. ALL SOIL WILL BE COMPACTED UNDER AND AROUND THE PAD BY JETTING AND/OR WACKER TO A MINIMUM OF 90% RELATIVE DENSITY.
2. SEE DRAWING SR005-1 FOR PAD DETAIL.
3. SEE DRAWINGS SR006-1 AND SR006-2 FOR PAD CLEARANCES.
4. SEE DRAWINGS SR007-1 AND SR007-2 PAD BARRIER PROTECTION.
5. "COOK" 3E BOX EXTENSION (24" X 36") OR EQUAL/APPROVED BY THE CITY OF SHASTA LAKE ELECTRIC DEPT.
6. APPROPRIATE EXCAVATION DEPTH SHALL BE PROVIDED SUCH THAT STANDARD 36" RADIUS 90° BENDS MAY BE INSTALLED AS SHOWN. CONDUIT BENDS SHALL NOT BE CUT OR OTHERWISE MODIFIED.
7. CUSTOMER INSTALLED.

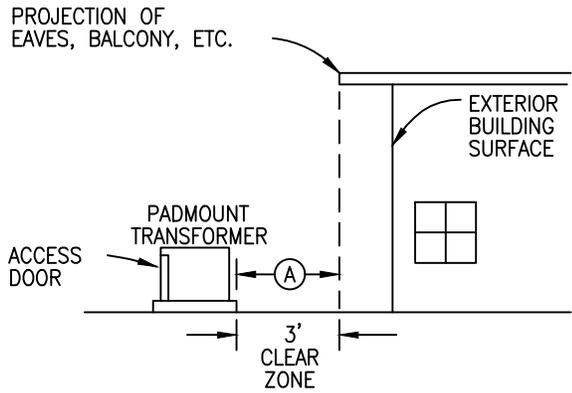
DWN.	A.O.
CHK'D	P.E.
DATE	SCALE
02/25/05	NTS

**1 Phase Transformer Pad Installation 25-167 KVA
(Conduit Details)**

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET	2	OF	2
DRAWING NUMBER			
SR005-2			

FIGURE 1 - CLEARANCE FROM BUILDINGS



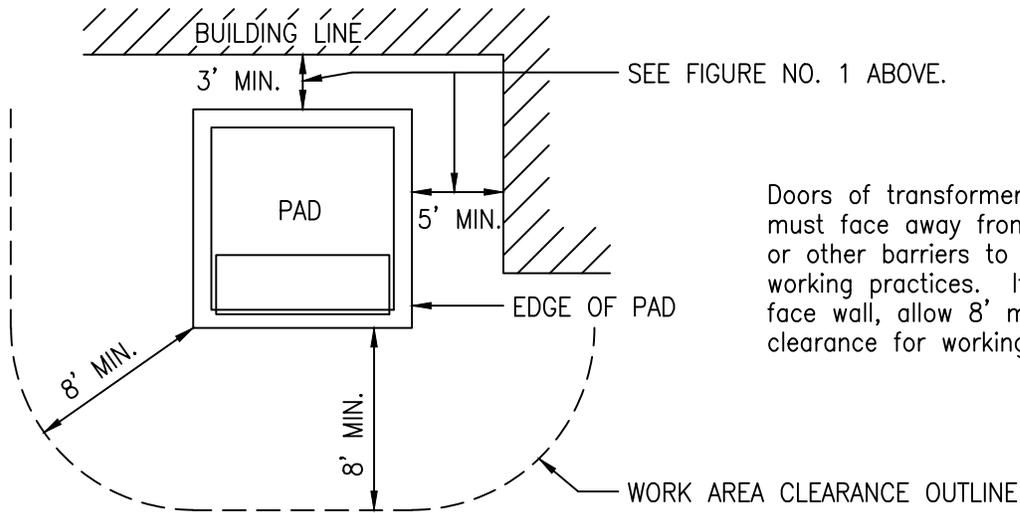
BUILDING SURFACE, EAVES, BALCONY, ETC.	CLEARANCE (NOTE 5) (A)	
NON-COMBUSTIBLE	3'	
COMBUSTIBLE	25-75KVA XFMR.	10'
	76-333KVA XFMR.	20'
	334-2500KVA XFMR.	30'

REFERENCE: ANSI 979-1984

NOTES:

1. Non-combustible material includes brick, clay, concrete, steel, and stone having a one hour fire resistive rating. Stucco is excluded.
2. Vertical space above pad and clear zone must remain unobstructed for hoisting equipment on and off pad.
3. Customer is responsible for protection of equipment by suitable barriers per SR007-1 and SR007-2. If deemed necessary by the City of Shasta Lake Electric Department.
4. Drainage of the area surrounding the transformer must be away from any building.

FIGURE 2 - WORK AREA CLEARANCE



Doors of transformers or switchgear must face away from building walls or other barriers to allow for safe working practices. If doors must face wall, allow 8' minimum clearance for working area.

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Pad Mounted Equipment Clearances

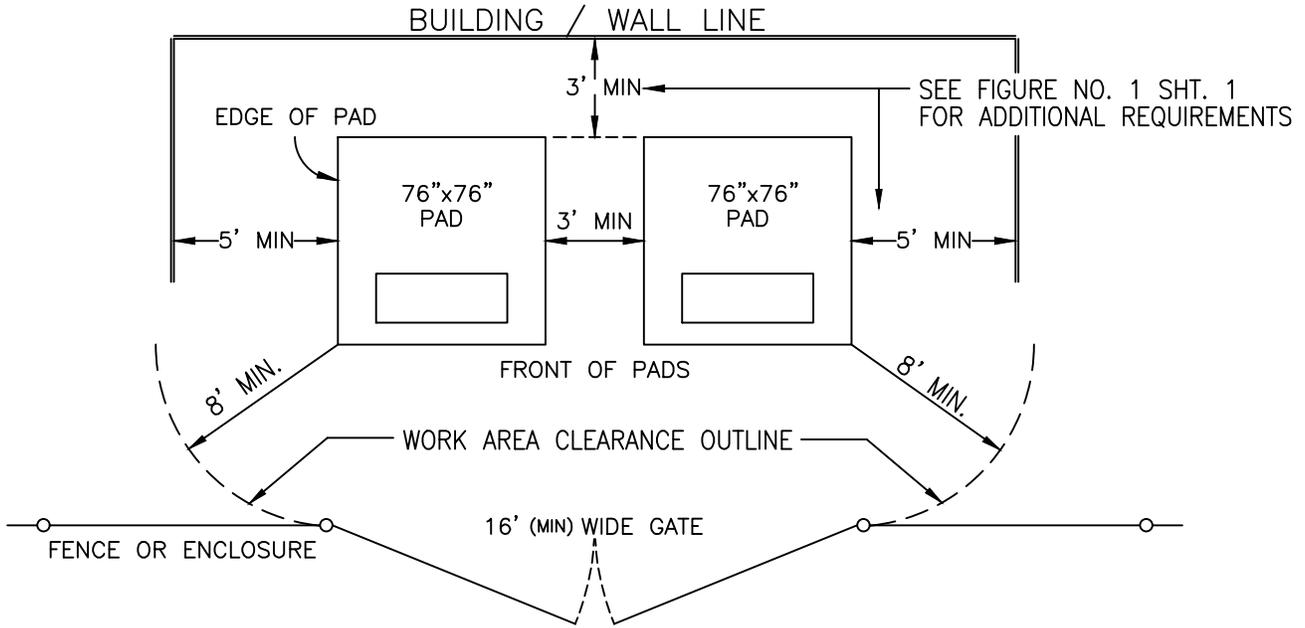
CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 1 OF 2

DRAWING NUMBER

SR006-1

FIGURE 3 - WORK AREA CLEARANCE
FOR DUAL 3Ø PADS



NOTES :

- 1) Doors of transformers or switchgear must face away from building walls or other barriers to allow for safe working practices. If doors must face wall, allow 8' minimum clearance for the working area.
- 2) The gate of a fence or enclosure may be within the 8' working clearance while the gates are closed (must maintain the 3' min. clearance), but while the gates are open the 8' min. working clearance must remain unobstructed.

DWN. A.O.

CHK'D P.E.

DATE
02/25/05

SCALE
NTS

Pad Mounted Equipment Clearances

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 2 OF 2

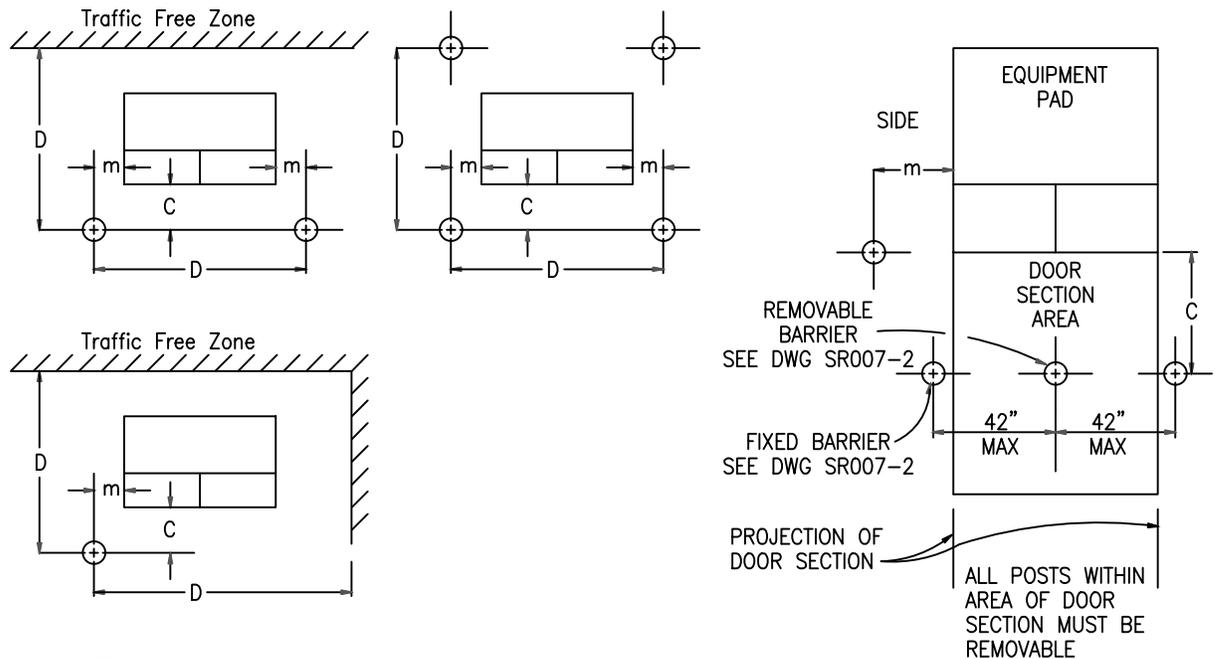
DRAWING NUMBER

SR006-2

**BARRIER POSTS FOR PROTECTION OF PAD MOUNTED APPARATUS
(CUSTOMER INSTALLED)**

IF PAD MOUNTED APPARATUS IS TO BE LOCATED IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, SUITABLE BARRIER POSTS ARE TO BE SUPPLIED BY THE CUSTOMER IN ACCORDANCE WITH THE STANDARDS APPEARING BELOW. IF THE APPARATUS IS LOCATED IN AN AREA WHICH WILL NOT ULTIMATELY BE SUBJECT TO VEHICULAR TRAFFIC, BUT IS IN THE PATH OF CONSTRUCTION EQUIPMENT, TEMPORARY BARRIERS COMPLYING WITH THESE SAME STANDARDS MUST BE PROVIDED BY THE CUSTOMER.

A. BARRIER POST LOCATIONS SHALL BE SET AT THE CORNERS OF THE PAD-MOUNTED APPARATUS IN TRAFFIC AREAS AS SHOWN BELOW.



NOTES:

1. THE DISTANCE "D" AND DISTANCE BETWEEN BARRIER POSTS SHALL NOT EXCEED 42". WHEN EXPOSED AREA EXCEEDS THIS DISTANCE, AN INTERMEDIATE POST MUST BE ADDED.
2. THE DISTANCE "m" MUST BE A MINIMUM OF 2 FEET.
3. DISTANCE "c" IS GIVEN IN THE TABLE BELOW FOR SPECIFIC TRANSFORMER SIZES.

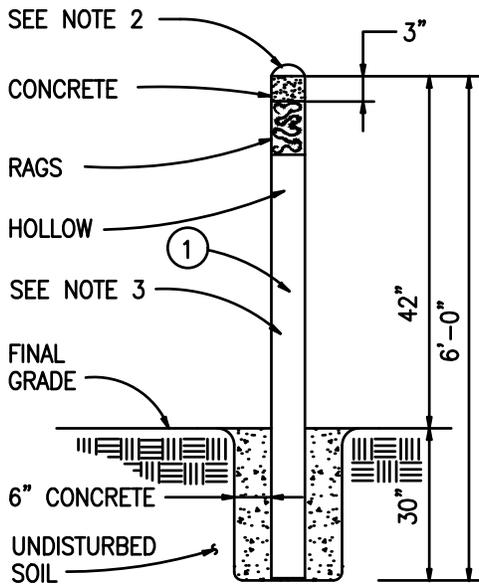
KVA	"C" - INCHES
25 - 1000	42 MIN.
1500 - 2500	47 MIN.

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DATE	SCALE
02/25/05	NTS

**Pad-Mount Equipment Barrier Protection
(Placement Details)**

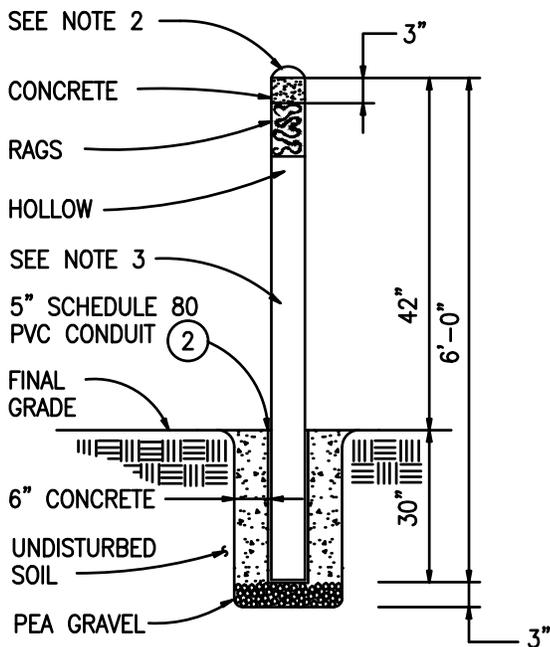
CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET	1	OF	2
DRAWING NUMBER			
SR007-1			



**NON-REMOVABLE
BARRIER POST DETAIL**

ITEM	QUANTITY	DESCRIPTION
1	1	6'x4" STEEL PIPE WITH 0.188" WALL THICKNESS
2	1	30"x5" SCHEDULE 80 PVC CONDUIT



**REMOVABLE
BARRIER POST DETAIL**

NOTES:

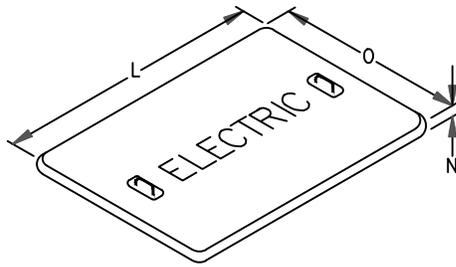
1. CAUTION MUST BE TAKEN WHEN INSTALLING BARRIER POSTS SO THAT THEY DO NOT MAKE CONTACT WITH ANY UNDERGROUND UTILITIES.
2. A WELDED CAP MAY BE USED IN LIEU OF CONC. CAP.
3. USE 4" STEEL PIPE, (NOT GALVANIZED) WITH A MINIMUM WALL THICKNESS OF 0.188". THE PIPE SHALL BE PRIMED AND PAINTED WHITE.
4. An 8'(FT.) MINIMUM CLEARANCE, FROM ANY ABOVE GROUND OBJECTS, IS REQUIRED ON THE SIDE THE EQUIPMENT DOOR OPENS FOR HOT STICK OPERATION.
5. ANY ADDITIONAL BARRIERS IN FRONT OF THE EQUIPMENT DOORS MUST BE REMOVABLE.

DWN	A.O./J.C.
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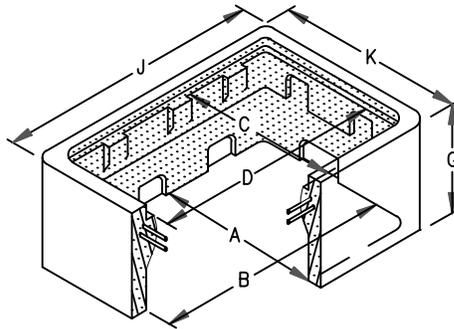
**Pad-Mount Equipment Barrier Protection
(Placement Details)**

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

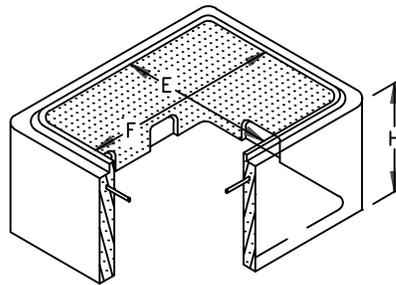
SHEET	2	OF	2
DRAWING NUMBER			
SR007-2			



LID (See Notes 1 & 2)



PULL BOX



EXTENSION

NOTES:

1. ALL LIDS AND COVERS SHALL BE FURNISHED WITH HOLD-DOWN BOLTS.
2. ALL LIDS SHALL BE NON-CONCRETE AND/OR COMPOSITE. STEEL TRAFFIC LIDS WILL BE REQUIRED WHERE CURB IS NOT INSTALLED.
3. BOXES AND LIDS SHALL BE FROM SUPPLIERS WHO'S BOXES AND LIDS MEET THE NOMINAL DIMENSIONS SHOWN BELOW.
4. PRIOR TO ACCEPTANCE OF A BOX AND LID, THE CITY OF SHASTA LAKE MUST HAVE RECEIVED A REPORT FROM AN INDEPENDANT, STATE OF CALIFORNIA, LICENSED CIVIL OR STRUCTURAL ENGINEER. THE REPORT SHALL BE STAMPED BY THE ENGINEER AND SHALL CERTIFY THAT THE BOX AND LID DESIGN MEETS THE REQUIRED SPECIFICATIONS AND STANDARDS OR TEST REPORTS SHOWING TEST RESULTS MEET OR EXCEED THE REQUIREMENTS OF NOTE 5.
5. BOXES AND LIDS SHALL MEET OR EXCEED THE DESIGN STRENGTH FOR VERTICAL LOADING OF ASTM C 857 DESIGNATION A-8 (AASHTO DESIGNATION H10-44) BASED ON 8,000 LBS. PER WHEEL, 10"x10" WHEEL LOAD AREA, AND INCREASED 30% FOR AN IMPACT FACTOR.

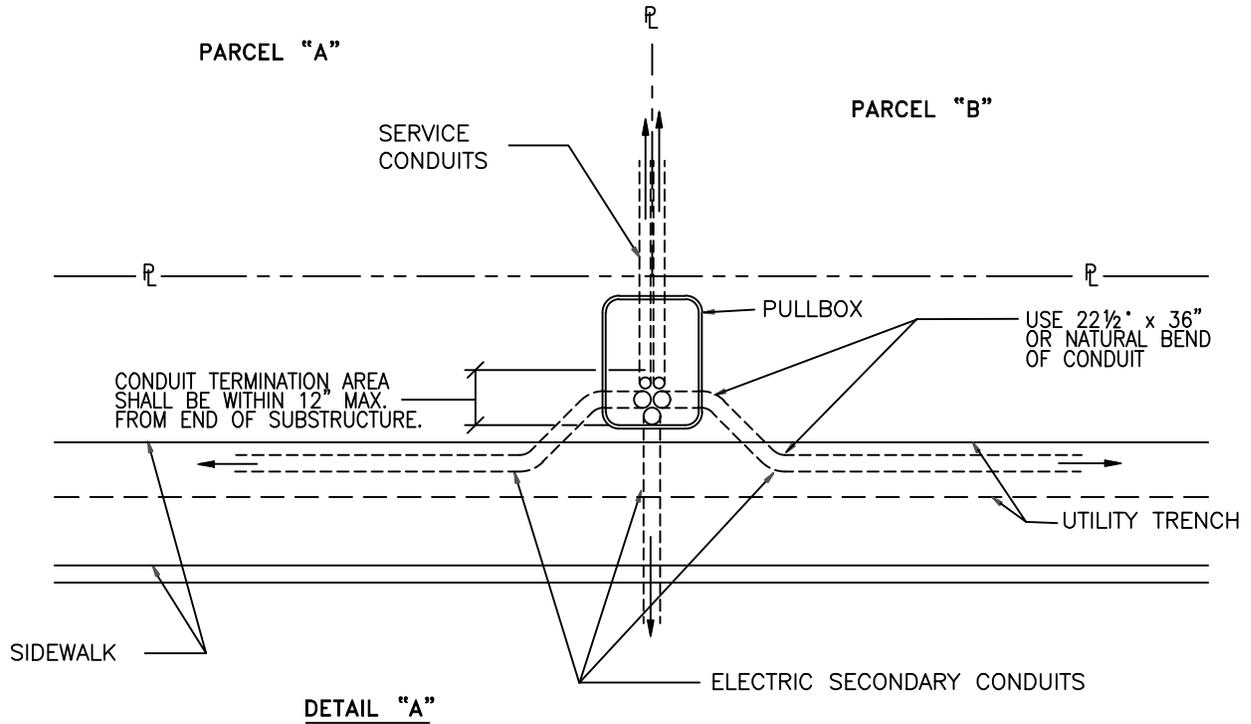
BOX NO.	DIMENSIONS (IN INCHES)													
	A	B	C	D	E	F	G	H	J	K	L	M	N	O
3E	24	36	21	32.5	24	36	14	10	40	28.5	35	--	3	24

DWN	A.O.
CHCK'D	P.E.
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Concrete Electric Pull Box, Lid, and Extension

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET	1	OF	1
DRAWING NUMBER			
SR008-1			



NOTES:

1. All conduit must be grouped within 12" of the street side of the secondary box.
(See Detail "A")
2. Service conduit stubs shall be installed by the developer and shall extend three feet past the property line. The builder shall complete the service conduit run from the conduit stub to the service panel.
3. Prior to the date of this construction standard, service conduits were not stubbed to parcels as a practice, therefore stubs may not always be present on all existing parcels. Where stubs are not present the builder shall complete the service conduit run from the secondary box to the service panel.
4. For conduit sizes see plans, specifications, or other applicable construction standards.
5. All conduits shall be extended a minimum of 3" and a maximum of 5" above the bottom of the box.
6. Service conduits installed by the owner/builder shall rise in the secondary box immediately adjacent to secondary conduits as shown.
7. Conduit sweeps shall not be cut or otherwise modified.

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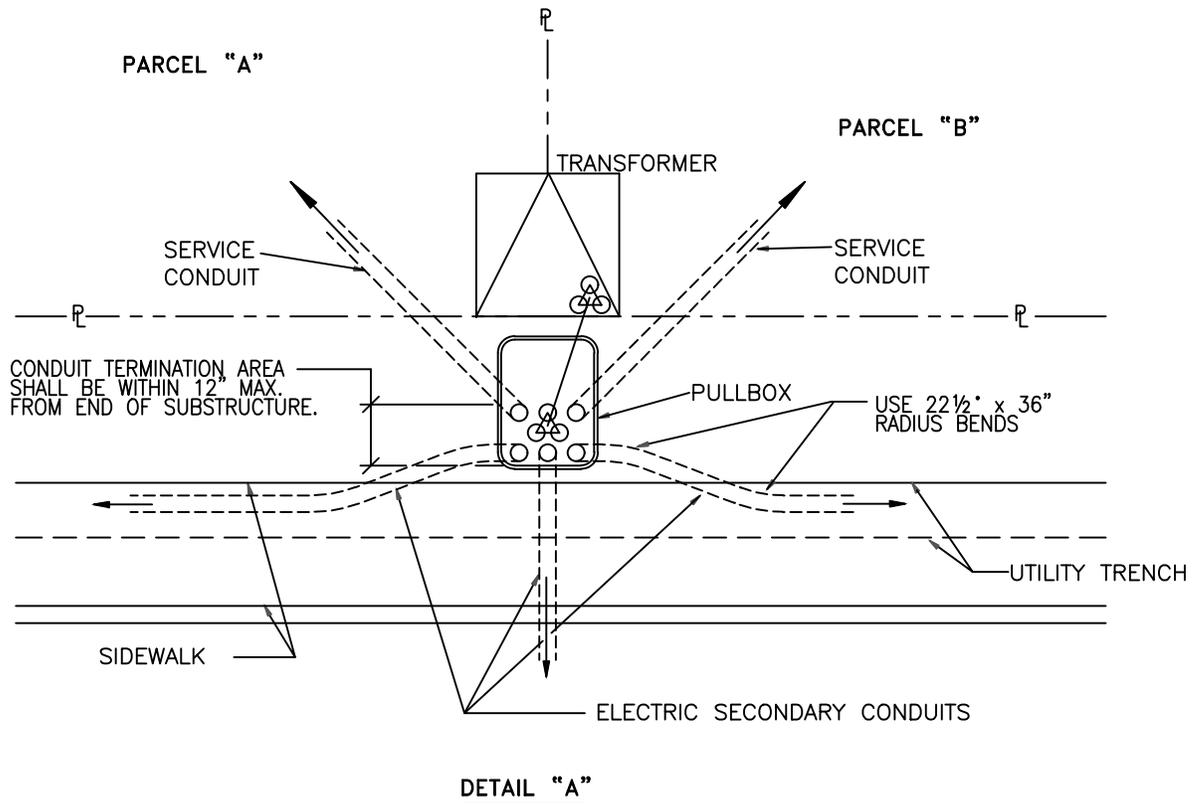
Conduit Placement - Secondary Box at Property Line

SHEET 1 OF 3

DRAWING NUMBER

SR009-1

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT



NOTES:

1. All conduit must be grouped within 12" of the street side of the secondary box. (See Detail "A")
2. Service conduit shall clear transformer pad by at least two feet, and shall extend at least three feet into parcel being served.
3. Prior to the date of this construction standard, service conduits were not stubbed to parcels as a practice, therefore stubs may not always be present on all existing parcels. Where stubs are not present the builder shall complete the service conduit run from the secondary box to the service panel.
4. For conduit sizes see plans, specifications, or other applicable construction standards.
5. All conduits shall be extended a minimum of 3" and a maximum of 5" above the bottom of the box.
6. Service conduits installed by the owner/builder shall rise in the secondary box immediately adjacent to secondary conduits as shown.
7. Conduit sweeps shall not be cut or otherwise modified.

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**Conduit Placement - Secondary Box at Property Line
(With Transformer)**

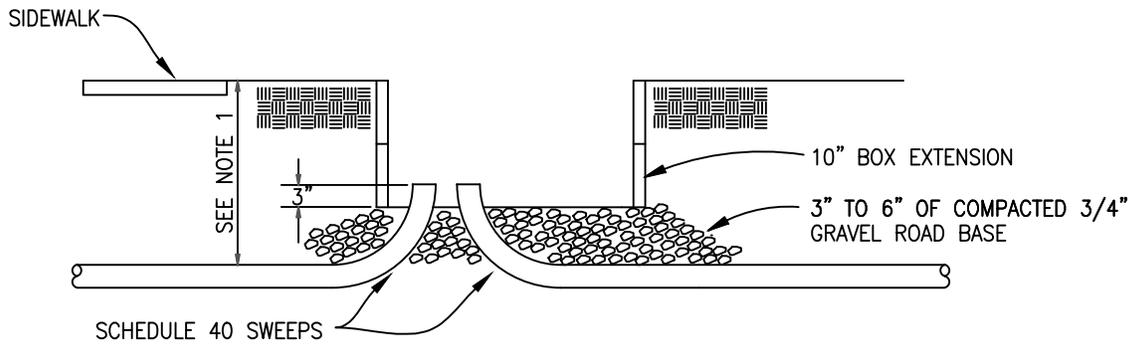
SHEET 2 OF 3

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

DRAWING NUMBER

SR009-2

Secondary Box Conduit Placement - Profile View



NOTES

1. APPROPRIATE EXCAVATION DEPTH SHALL BE PROVIDED SUCH THAT STANDARD 24" RADIUS 90° BENDS MAY BE INSTALLED AS SHOWN. CONDUIT BENDS SHALL NOT BE CUT OR OTHERWISE MODIFIED.
2. FOR CONDUIT SIZES SEE PLANS, SPECIFICATIONS, OR OTHER APPLICABLE CONSTRUCTION STANDARDS.
3. ALL CONDUITS SHALL BE EXTENDED A MINIMUM OF 3" AND A MAXIMUM OF 5" ABOVE THE BOTTOM OF THE BOX.
4. CUSTOMER INSTALLED.

DWN./REV. A.O. / JJC

CHK'D T.D.

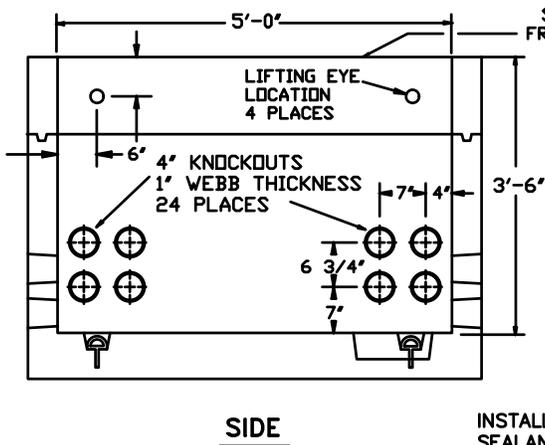
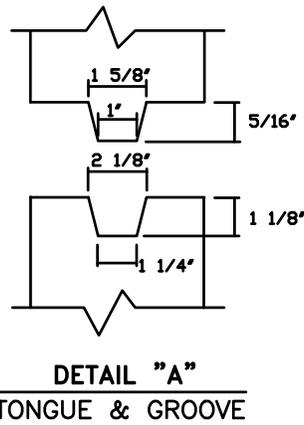
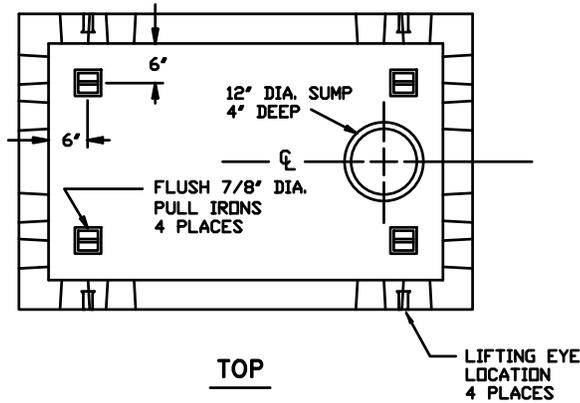
DATE 08/14/18 SCALE NTS

Conduit Placement - Secondary Box (Profile View)

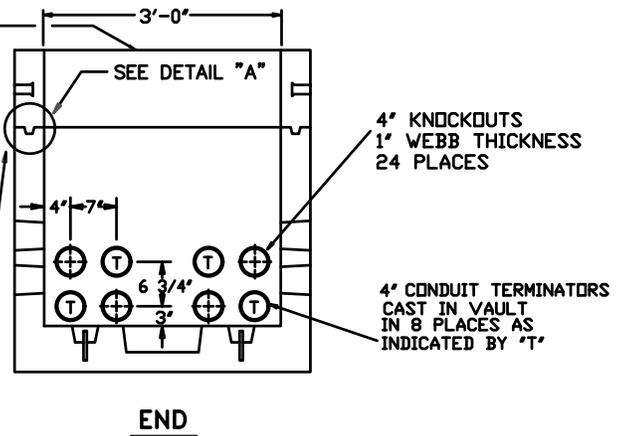
CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 3 OF 3

DRAWING NUMBER
SR009-3



SEE DWG. SR010-2 FOR
FRAME & COVER DETAILS



INSTALL PLASTIC MASTIC
SEALANT INCL. WITH
ENCLOSURE ASSEMBLY
FOR ALL JOINTS

NOTES :

1. THE SPLICE BOX SHALL BE POURED IN PLACE OR PRECAST WITH DIMENSIONS AS SHOWN. DESIGN STRENGTH SHALL MEET OR EXCEED THE LATEST EDITION OF ASTM C 857 DESIGNATION A-16 (AASHTO DESIGNATION HS 20-44) BASED ON 16000 LBS PER WHEEL, 10"x20" WHEEL LOAD AREA, AND INCREASED 30% FOR AN IMPACT FACTOR. PROOF OF SPECIFICATION COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR VENDOR.
2. ONE 5/8" GROUND RODS SHALL BE PROVIDED IN THE SPLICE BOX.
3. THE EXCAVATION SHALL ALLOW FOR THE OVERALL ASSEMBLED HEIGHT OF SPLICE BOX PLUS ADDED HEIGHT OF RISERS, MANHOLE CASTINGS, FRAMES AND COVERS, ETC. AND BEDDING MATERIALS. A MINIMUM CLEARANCE OF 6' AROUND THE SIDE WALLS OF THE SPLICE BOX IS REQUIRED FOR EASE OF INSTALLATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY EXCAVATION REQUIREMENTS WITH THE VENDOR SUPPLYING THE VAULT FOR EACH SPECIFIC LOCATION.
4. THE BEDDING MATERIALS SHALL CONSIST OF 3' TO 6' OF COMPACTED 3/4" GRAVEL, GRADED LEVEL.
5. THE PRECAST SPLICE BOX SHALL BE ASSEMBLED BY LOWERING EACH SECTION INTO THE EXCAVATION. THE BASE SECTION IS LOWERED FIRST, SET LEVEL, FIRMLY POSITIONED AND MASTIC SEALANT INSTALLED BEFORE PLACING INTERMEDIATE AND TOP SECTIONS. CARE SHOULD BE TAKEN TO INSURE THAT THE SEAL SURFACES ARE CLEAN AND THAT THE GASKET MATERIAL IS IN PLACE PROPERLY.
6. BACKFILL AROUND THE SPLICE BOX SHALL CONSIST OF GOOD COMPACTABLE MATERIAL SUCH AS PEA GRAVEL, SAND, OR CLEAN EARTH FILL, SO THAT NO VOIDS REMAIN BETWEEN THE SPLICE BOX WALLS AND NATIVE SOIL AROUND EXCAVATION. BACKFILLING SHALL NOT BE COMPLETED UNTIL SPLICE BOX IS COMPLETELY ASSEMBLED, MAKING CERTAIN TO COMPACT THE BACKFILLING PROGRESSING FROM THE BOTTOM TO THE TOP SURFACE TO ATTAIN 90% RELATIVE COMPACTION. ALL BACKFILLING IS THE RESPONSIBILITY OF THE CUSTOMER AND/OR CONTRACTOR.
7. ALL GROUTING OF RISERS, COVERS, CONDUITS OR SPECIFIED SECTIONS OF SPLICE BOXES SHALL BE THE RESPONSIBILITY OF THE CUSTOMER AND/OR CONTRACTOR.
8. PULLING IRONS:
(a) PULLING IRONS SHALL BE DESIGNED FOR 20,000 LBS. ULTIMATE, WITH A SAFETY FACTOR OF TWO. (40,000 LBS.)
9. LIFTING:
(a) ALL EXTENSIONS SHALL BE PROVIDE WITH FOUR LIFTING EYE'S OR OTHER APPROVED LIFTING MEANS. EACH LIFTING ATTACHMENT POINT WILL BE CAPABLE OF LIFTING THE TOTAL EXTENSION WEIGHT PLUS 150%.
10. ALL SECTIONS OF A SPLICE BOX MUST BE PERMANENTLY MARKED WITH THE DELIVERY DATE.

DWN./REV. A.O. / JJC	
CHK'D T.D.	
DATE	SCALE
08/14/18	NTS

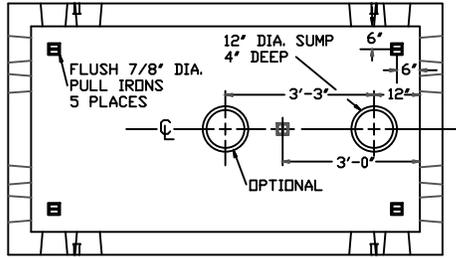
3'-0" X 5'-0" Primary Splice Box 200amp

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

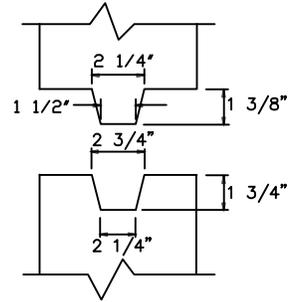
SHEET 1 OF 2

DRAWING NUMBER

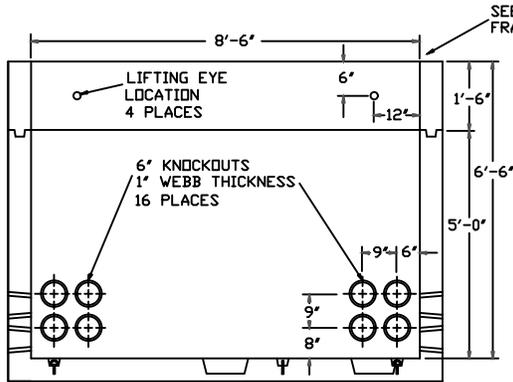
SR010-1



TOP

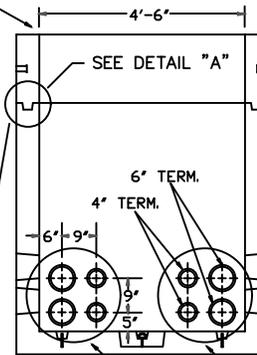


DETAIL "A"
TONGUE & GROOVE



SIDE

SEE DWG. SR011-2 FOR
FRAME & COVER DETAILS



END

INSTALL PLASTIC MASTIC
SEALANT INCL. WITH
ENCLOSURE ASSEMBLY
FOR ALL JOINTS

CONDUIT TERMINATORS
CAST IN VAULT ON BOTH
ENDS AS SHOWN.
8-4" & 8-6" TOTAL QTY.

NOTES :

1. THE SPLICE BOX SHALL BE POURED IN PLACE OR PRECAST WITH DIMENSIONS AS SHOWN. DESIGN STRENGTH SHALL MEET OR EXCEED THE LATEST EDITION OF ASTM C 857 DESIGNATION A-16 (AASHTO DESIGNATION HS 20-44) BASED ON 16000 LBS PER WHEEL, 10"x20" WHEEL LOAD AREA, AND INCREASED 30% FOR AN IMPACT FACTOR. PROOF OF SPECIFICATION COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR VENDOR.
2. ONE 5/8" GROUND RODS SHALL BE PROVIDED IN THE SPLICE BOX.
3. THE EXCAVATION SHALL ALLOW FOR THE OVERALL ASSEMBLED HEIGHT OF SPLICE BOX PLUS ADDED HEIGHT OF RISERS, MANHOLE CASTINGS, FRAMES AND COVERS, ETC. AND BEDDING MATERIALS. A MINIMUM CLEARANCE OF 6" AROUND THE SIDE WALLS OF THE SPLICE BOX IS REQUIRED FOR EASE OF INSTALLATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY EXCAVATION REQUIREMENTS WITH THE VENDOR SUPPLYING THE VAULT FOR EACH SPECIFIC LOCATION.
4. THE BEDDING MATERIALS SHALL CONSIST OF 3" TO 6" OF COMPACTED 3/4" GRAVEL, GRADED LEVEL.
5. THE PRECAST SPLICE BOX SHALL BE ASSEMBLED BY LOWERING EACH SECTION INTO THE EXCAVATION. THE BASE SECTION IS LOWERED FIRST, SET LEVEL, FIRMLY POSITIONED AND MASTIC SEALANT INSTALLED BEFORE PLACING INTERMEDIATE AND TOP SECTIONS. CARE SHOULD BE TAKEN TO INSURE THAT THE SEAL SURFACES ARE CLEAN AND THAT THE GASKET MATERIAL IS IN PLACE PROPERLY.
6. BACKFILL AROUND THE SPLICE BOX SHALL CONSIST OF GOOD COMPACTIBLE MATERIAL SUCH AS PEA GRAVEL, SAND, OR CLEAN EARTH FILL, SO THAT NO VOIDS REMAIN BETWEEN THE SPLICE BOX WALLS AND NATIVE SOIL AROUND EXCAVATION. BACKFILLING SHALL NOT BE COMPLETED UNTIL SPLICE BOX IS COMPLETELY ASSEMBLED, MAKING CERTAIN TO COMPACT THE BACKFILLING PROGRESSING FROM THE BOTTOM TO THE TOP SURFACE TO ATTAIN 90% RELATIVE COMPACTION. ALL BACKFILLING IS THE RESPONSIBILITY OF THE CUSTOMER AND/OR CONTRACTOR.
7. ALL GROUTING OF RISERS, COVERS, CONDUITS OR SPECIFIED SECTIONS OF SPLICE BOXES SHALL BE THE RESPONSIBILITY OF THE CUSTOMER AND/OR CONTRACTOR.
8. PULLING IRONS
 - (a) PULLING IRONS SHALL BE DESIGNED FOR 20,000 LBS. ULTIMATE, WITH A SAFETY FACTOR OF TWO. (40,000 LBS.)
9. LIFTING
 - (a) ALL EXTENSIONS SHALL BE PROVIDE WITH FOUR LIFTING EYE'S OR OTHER APPROVED LIFTING MEANS. EACH LIFTING ATTACHMENT POINT WILL BE CAPABLE OF LIFTING THE TOTAL EXTENSION WEIGHT PLUS 150%.
10. ALL SECTIONS OF A SPLICE BOX MUST BE PERMANENTLY MARKED WITH THE DELIVERY DATE.

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CHCK'D	P.E.
DATE	SCALE
02/25/05	NTS

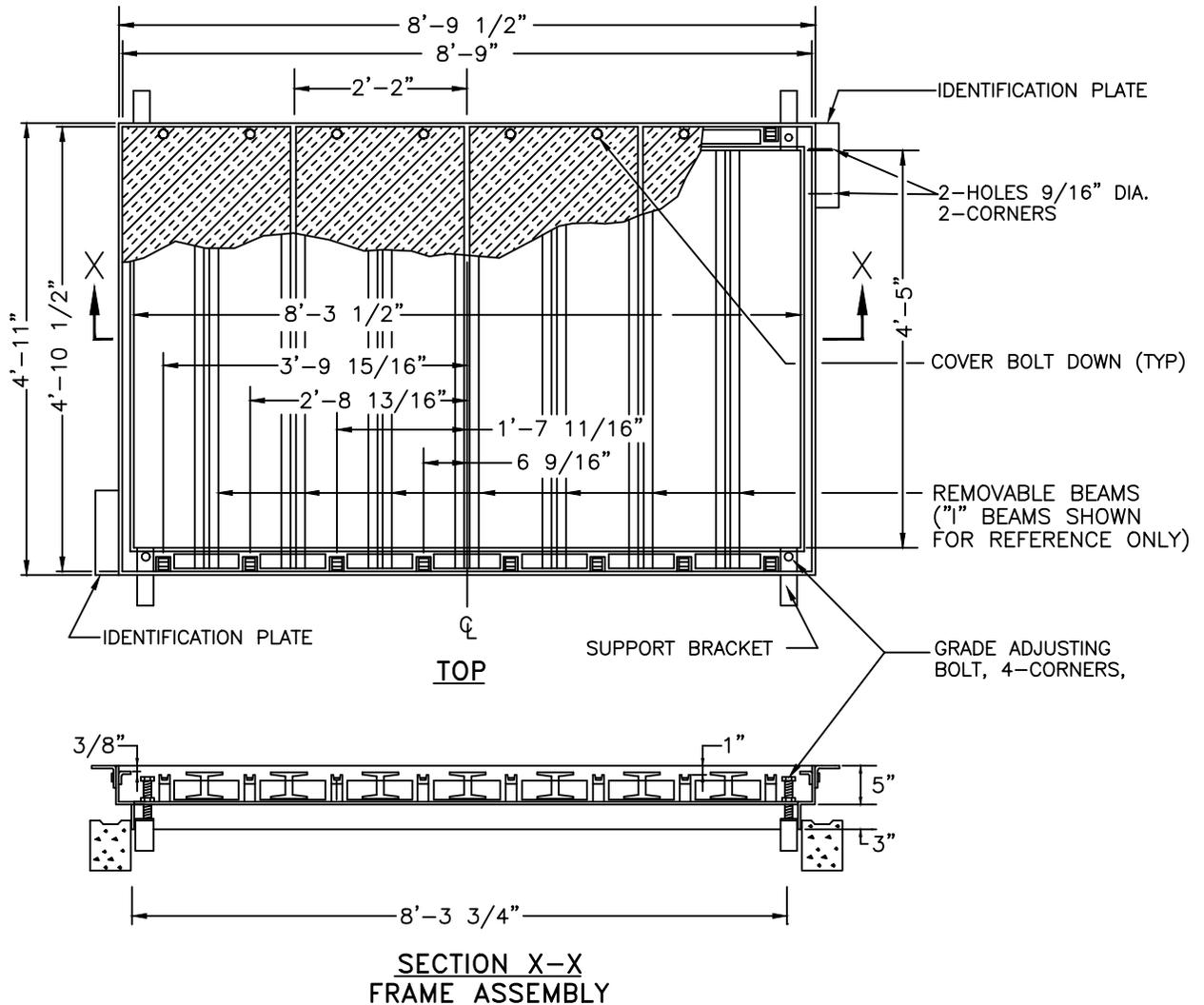
4'-6" X 8'-6" Primary Electrical Vault

SHEET 1 OF 2

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

DRAWING NUMBER

SR011-1



NOTES:

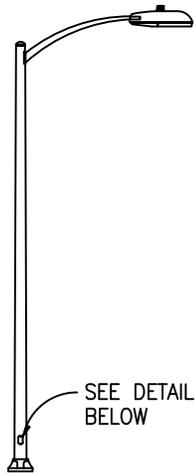
1. THE FRAME AND COVER ASSEMBLY SHALL MEET DIMENSION REQUIREMENTS AS SHOWN AND DESIGN STRENGTH SHALL MEET OR EXCEED THE LATEST EDITION OF ASTM C 857 DESIGNATION A-16 (AASHTO DESIGNATION HS 20-40) BASED ON 16000 LBS. PER WHEEL, 10"X20" WHEEL LOAD AREA AND INCREASED 30% FOR AN IMPACT FACTOR. PROOF OF SPECIFICATION COMPLIANCE SHALL BE RESPONSIBILITY OF THE CONTRACTOR AND/OR VENDOR.
2. COVERS SHALL BE INSTALLED WITHIN AN ADJUSTABLE FRAME WHICH SHALL HAVE A MINIMUM OF THREE INCHES OF ADJUSTMENT. ALL STEEL SHALL BE GALVANIZED AS PER THE LATEST REVISION OF ASTM SPEC. A-123, OR SHALL BE AN EPOXY NON-SKID SAND FINISH.
3. IDENTIFICATION PLATE (ONE) SHALL BE SUPPLIED AND STATE "HIGH VOLTAGE".
4. ALL GROUTING OF RISERS, COVERS, CONDUITS OR SPECIFIC SECTIONS OF SPLICE BOX SHALL BE THE RESPONSIBILITY OF THE CUSTOMER AND/OR CONTRACTOR. GROUT USED BETWEEN FRAME AND SPLICE BOX SHALL BE SUITABLE FOR FULL TRAFFIC LOADS AND CONSISTENT WITH ASTM C 857 DESIGNATION A-16 LOADING AND SHALL BE ALLOWED TO CURE 24 HOURS BEFORE ANY LOAD IS APPLIED. SEE DRAWING SR011-1 FOR 4.5X8.5 SPLICE BOX.
5. ALL SECTIONS OF A SPLICE BOX MUST BE PERMANENTLY MARKED WITH THE DELIVERY DATE.

DWN	A.O.
CHK'D	P.E.
DATE	SCALE
02/25/05	NTS

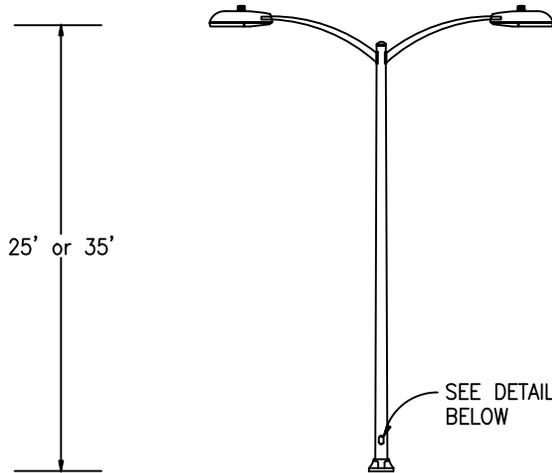
4'-6" X 8'-6" Primary Electrical Vault
(Frame and Cover Assembly)

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET	2	OF	2
DRAWING NUMBER			
SR011-2			



SINGLE ARM POLE



DOUBLE ARM POLE

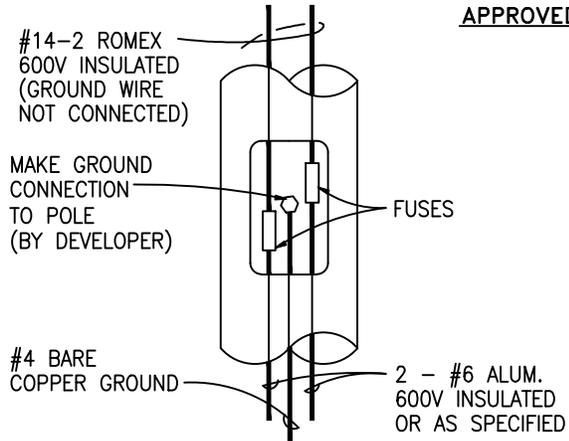
LIGHT STANDARD

TAPERED ALUMINUM STANDARD TO WITHSTAND 90 M.P.H. CONSTANT WIND LOADING (1.3 GUST FACTOR - GUST TO 117 M.P.H.). ANCHOR BASE MOUNTING, SLOTTED ANCHOR BOLT CIRCLE SHALL BE 10" TO 11" FOR 25' POLES AND 11" TO 12" FOR 35' POLES 2" TUBULAR SUPPORT ARM WITH 6' REACH, 25' OR 35' MOUNTING HEIGHT, ANCHOR BOLT COVERS AND SHAFT CAP, 4 - 1" X 36" GALVANIZED, J-BOLTS WITH 12" MINIMUM THREAD LENGTH, GALVANIZED HEX-NUTS AND WASHERS FOR J-BOLTS, 4" X 6.5" SPLICE HAND HOLE WITH FLUSH MOUNT COVER LOCATED 90° FROM ARM CENTERLINE. (SEE SKETCH).

POLE HT.	DESCRIPTION	HAPCO	LEXINGTON (SEE NOTE 6)	HUBBELL	UNION METAL
25'	SINGLE ARM POLE (25')	21-295	2208 - 40705T4 W/1MA0632B40 ARMS 2208 - 45805T4 W/1MA0632B45 ARMS	RTA04-100	
25'	DOUBLE ARM POLE (25')	22-295	2208 - 45805T4 W/2MA0632B45 ARMS	RTA16-100	150-Y25
35'	SINGLE ARM POLE (35')	21-865	3208 - 45805T4 W/1MA0632B45 ARMS	RTA10-100	150-Y22
35'	DOUBLE ARM POLE (35')	22-885	3208 - 45805T4 W/2MA0632B45 ARMS	RTA22-100	150-Y27

NOTE: ASSOCIATED MATERIAL i.e., ARM, BOLT COVERS, J-BOLTS, ETC., MAY NEED TO BE SPECIFIED SEPERATELY.

APPROVED FOR PURCHASE



LOOKING INTO HANDHOLE

NOTES

1. WIRE FROM LUMINAIRE TO BASE WILL BE NONMETALLIC-SHEATHED CABLE (ROMEX) TYPE NM OR NMC, NUMBER 14-2 COPPER 600 VOLT INSULATED.
2. WIRE FROM BASE TO POINT OF SERVICE WILL BE 2 - #6 ALUMINUM 600 VOLT INSULATED, OR AS SPECIFIED.
3. ALL WIRE WITHIN NONMETALLIC - SHEATH (ROMEX) SHALL BE 600 VOLT THW, THHN OR EQUAL.
4. ALL WIRE WITHIN DUCT SYSTEM SHALL BE XLP INSULATED NEC TYPE USE.
5. CITY OF SHASTA LAKE WILL MAKE CONNECTIONS AT BASE OF HAND HOLE AND ANY APPLICABLE SOURCE SIDE SPLICING LOCATIONS.
6. MUST STATE SINGLE OR DOUBLE ARMS ON ORDER.

DWN	A.O.
CHK'D	P.E.
DATE	SCALE
02/25/05	NTS

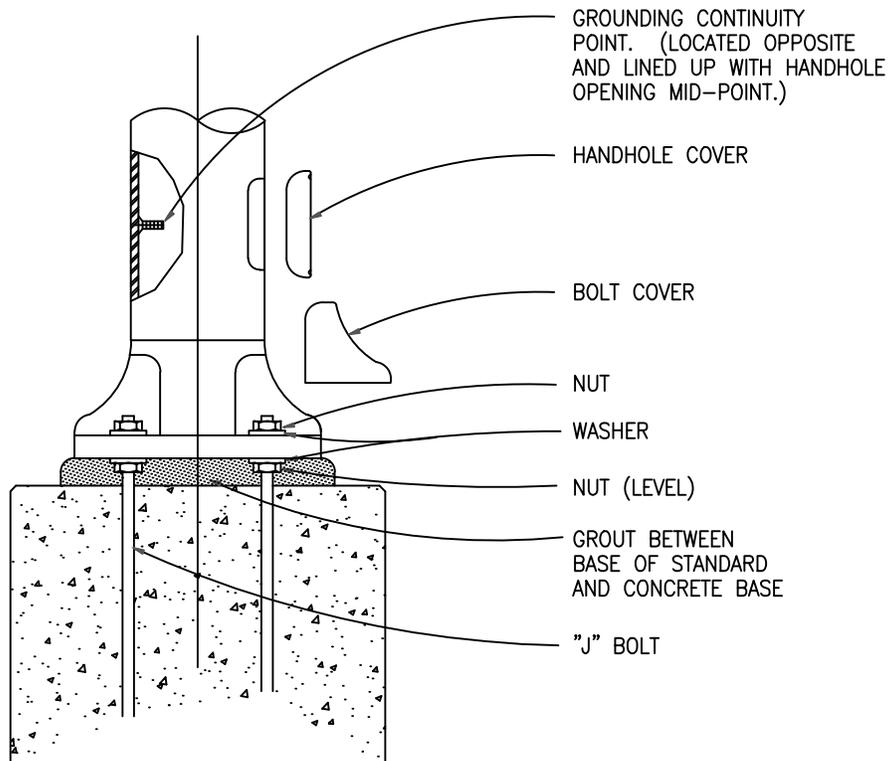
**Aluminum Street Light Standard
(Pole and Arm Details)**

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

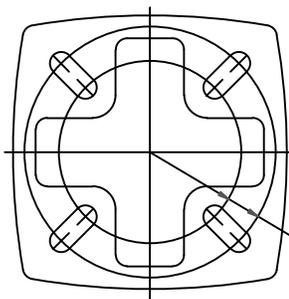
SHEET 1 OF 3

DRAWING NUMBER

SR012-1



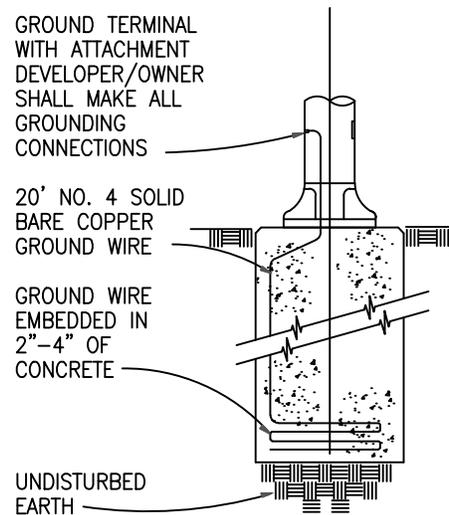
BASE ASSEMBLY



BASE PLATE

10" TO 11" MOUNTING BOLT CIRCLE FOR 25' POLES

11" TO 12" MOUNTING BOLT CIRCLE FOR 35' POLES



TYPICAL DETAIL OF GROUND WIRE INSTALLATION

NOTE:
SEE DWG. SR012-3 FOR BASE DETAILS

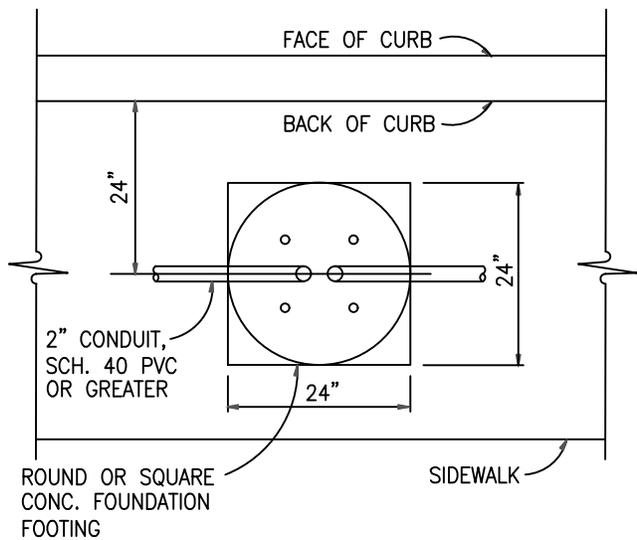
DWN.	A.O.
CHK'D	P.E.
DATE	SCALE
02/25/05	NTS

Aluminum Street Light Standard
(Base and Grounding Details)

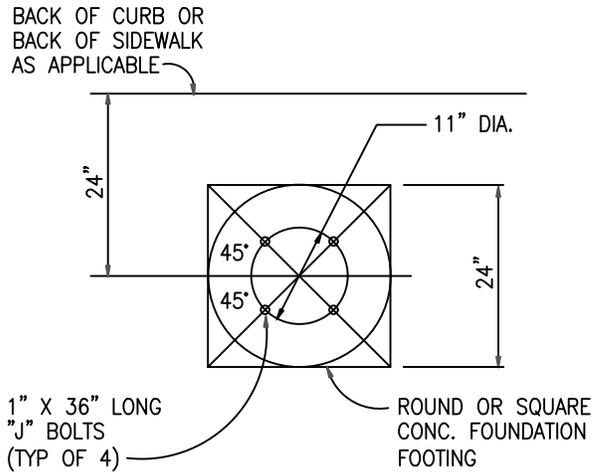
CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 2 OF 3

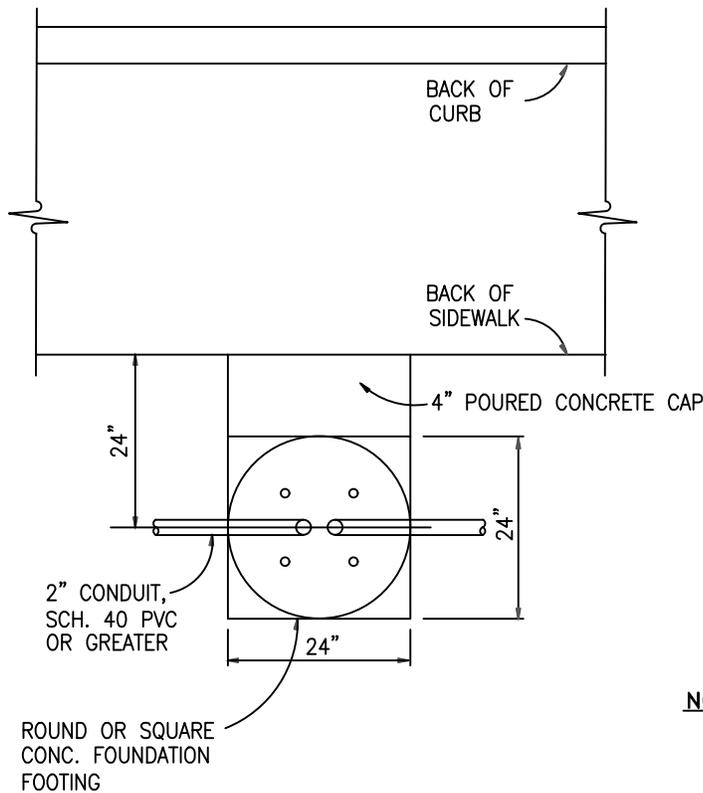
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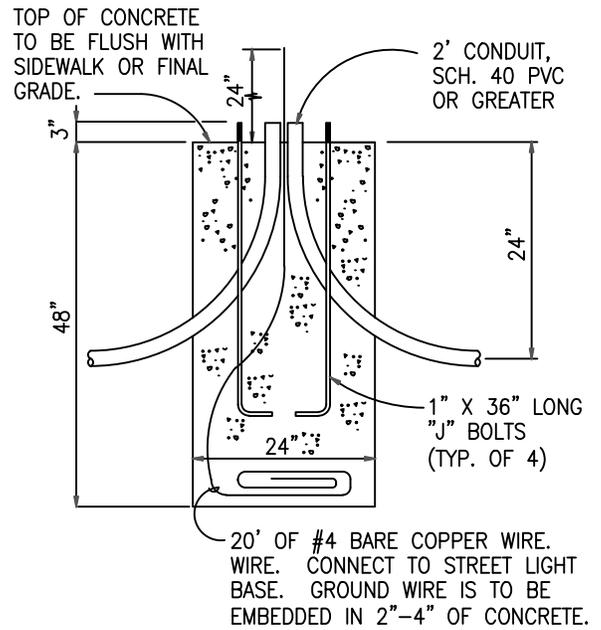
6 FOOT AND WIDER SIDEWALKS
UNLESS OTHERWISE NOTED NTS



BOLT PATTERN
NTS



SIDEWALKS LESS THAN 6' WIDE
UNLESS OTHERWISE NOTED NTS



FOUNDATION SECTION
NTS

NOTES:

1. CITY OF SHASTA LAKE SHALL LOCATE ALL STREET LIGHT BASES.
2. DEVELOPER / CUSTOMER SHALL FURNISH AND INSTALL J-BOLTS, CONDUIT, GROUNDING AND BASES AS SHOWN.

DWN.	A.O.
CHK'D	P.E.
DATE	SCALE
02/25/05	NTS

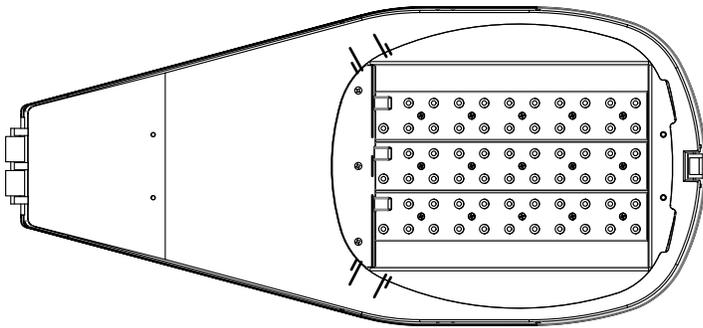
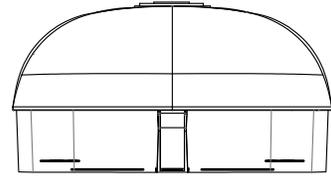
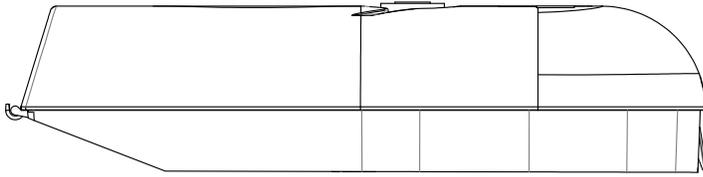
Aluminum Street Light Standard
(Base Details)

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 3 OF 3

DRAWING NUMBER

SR012-3



EATON Lighting:
 OVH=FULL CUTOFF LUMINAIRE
 E03=(3) 21 LED LIGHTBARS
 LED=SOLID STATE LIGHT EMITTING DIODES
 E=ELECTRONIC
 U=UNIVERSAL (120-277V)
 SL2=TYPE 2 WITH SPILL CONTROL
 AP=GREY
 4=NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE

Photocell:
 ELL=EXTRA LONG LIFE PHOTOCONTROL
 124=(105-305V)

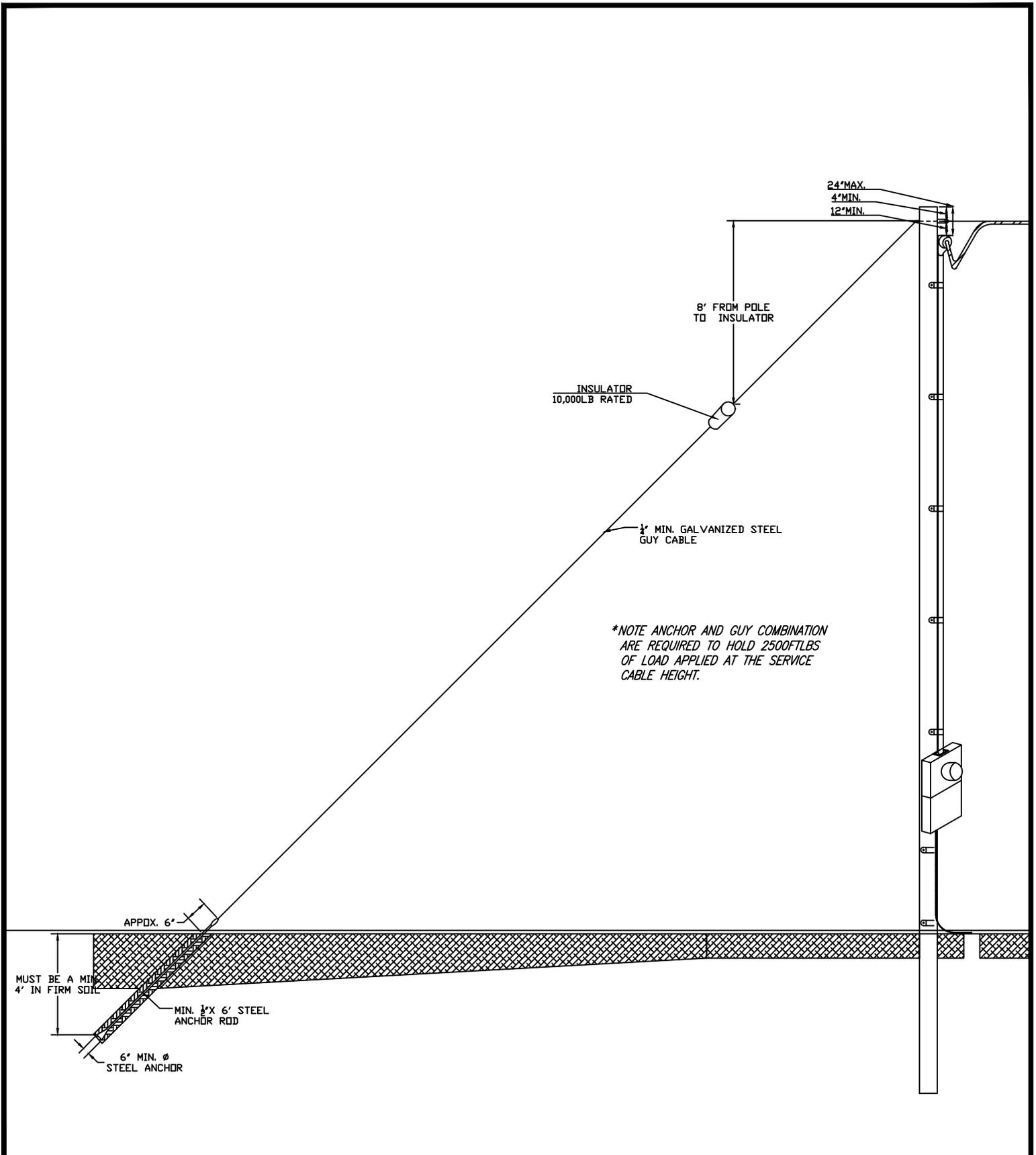
Part	Manufacturer	Catalog #	Power
Luminaire	EATON Lighting	OVH-E03-LED-E-U-SL2-AP-4	75 Watts
Photocell	FP Outdoor Lighting Controls	ELL-124	<0.5 Watts

DWN./REVISED A.O./J.C.	
CHK'D T.D.	
DATE	SCALE
08/14/20	NTS

Street Light Head and Photocell

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET 1 OF 1
DRAWING NUMBER
SR013-1



DWN. JJC	
CHK'D T.D.	
DATE	SCALE
08/14/18	NTS

Anchor and Guy Requirements Service Pole

CITY OF SHASTA LAKE
ELECTRIC DEPARTMENT

SHEET	3	OF	3
DRAWING NUMBER			
SP001-3			