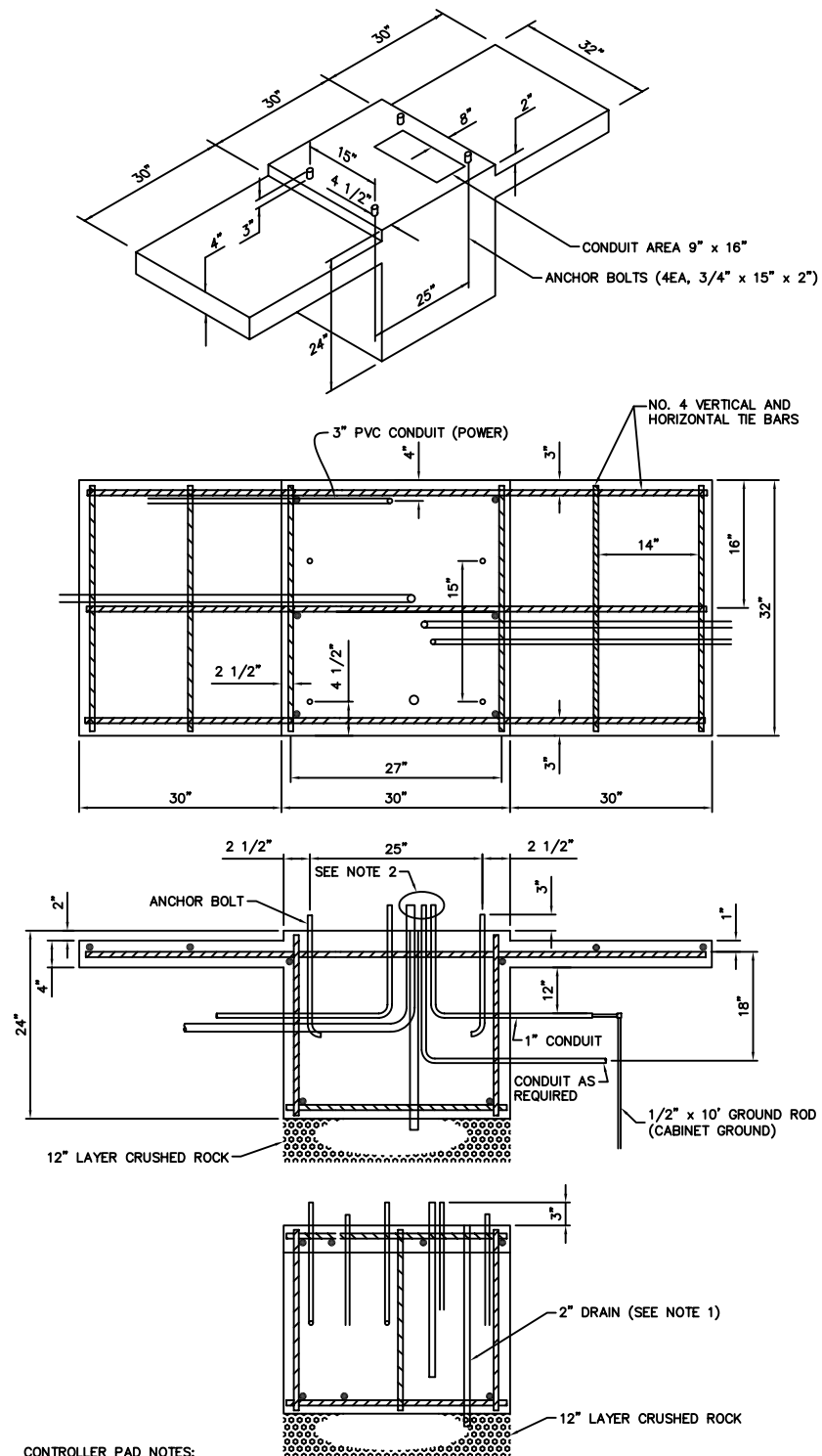


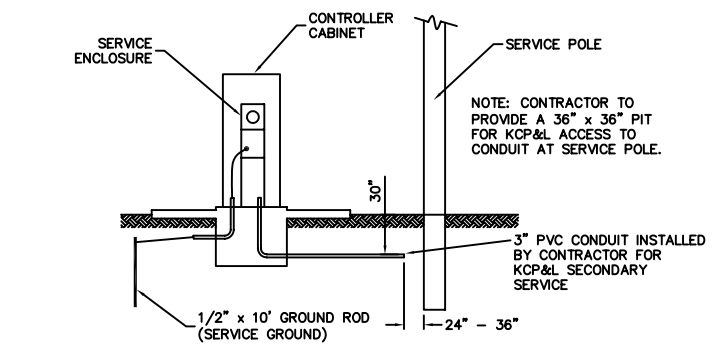
TRAFFIC SIGNAL CONTROLLER PAD DETAILS



CONTROLLER PAD NOTES:

- TOP OF PAD TO BE SLOPED TO DRAIN.
- NON-HARDENING DUCT SEALANT TO BE APPLIED TO CONDUIT ENTRANCES.
- PROVIDE WATERTIGHT SEAL BETWEEN THE CONTROLLER CABINET AND THE CONCRETE PAD.
- CONTROLLER PAD TO BE EXCAVATED AND FORMED TO THE DIMENSIONS SHOWN WITHOUT DISTURBING THE AREAS OF ADJACENT SUBGRADE.
- THE ENGINEER IN CHARGE OF CONSTRUCTION SHALL DETERMINE THE ORIENTATION OF THE CONTROLLER PAD.
- CONTRACTOR TO PROVIDE A SPARE TWO INCH LARGE SWEEP RIGID STEEL CONDUIT ENTRANCE IN CONCRETE PAD. BOTH ENDS OF CONDUIT TO BE SECURELY CAPPED.
- WHEN TYPE MET2-VLM IS USED THE CONDUIT FOR POWER SHOULD BE OFFSET TO ALLOW FOR CENTERING OF THE POWER CONTROL CABINET ON THE SIDE OF THE SIGNAL CONTROL BOX.

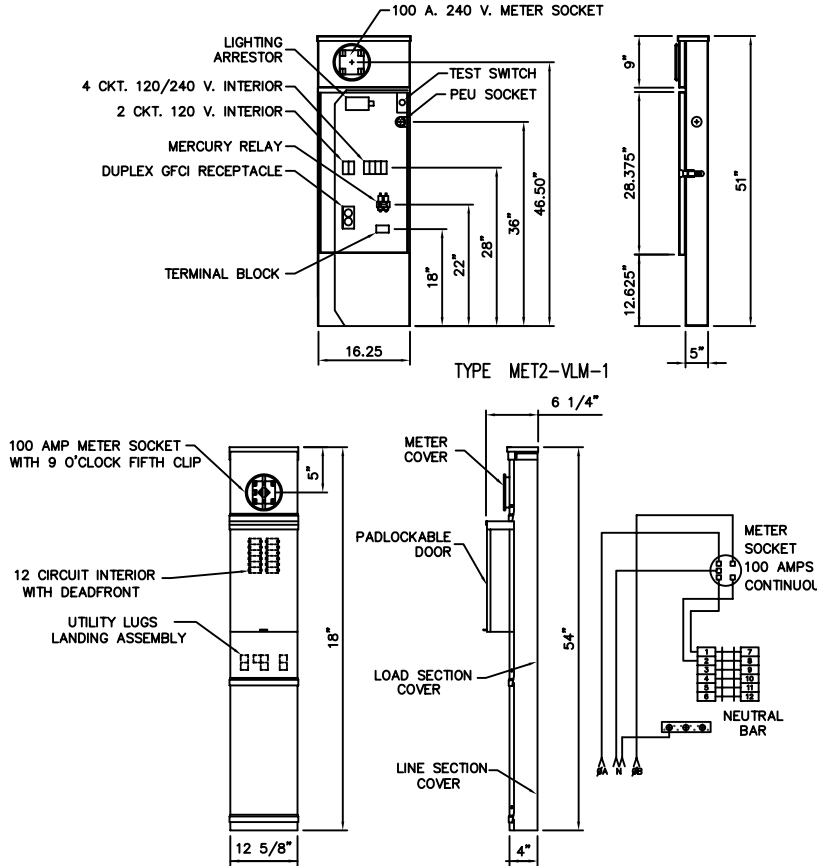
SECONDARY POWER SERVICE DETAIL



SECONDARY SERVICE NOTES:

- THE CONTRACTOR SHALL INSTALL 2" PVC CONDUIT WITH PULL STRING FOR POWER.
- THE CONTRACTOR SHALL INSTALL A MINIMUM 1" DIAMETER WATERTIGHT CONDUIT ENTRANCE BETWEEN THE BREAKER BOX PORTION OF THE SECONDARY SERVICE ENCLOSURE AND THE TRAFFIC SIGNAL CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A 1c#6 BARE COPPER GROUND WIRE CONTINUOUS FROM THE MAIN BONDING SCREW (NEUTRAL BUSS) THROUGH THE CONDUIT GROUNDING BUSHINGS TO A 1/2" DIAMETER x 10' LENGTH GROUND ROD (SERVICE GROUND).
- THE CONTRACTOR SHALL INSTALL 1c#6 USE SECONDARY SERVICE WIRE TO CONNECT THE BREAKER(S) AND TRAFFIC SIGNAL CABINET.
- GROUND WIRE FOR SERVICE GROUND TO RUN THROUGH THE 1" CONDUIT FOR THE CABINET GROUND (SEPARATE GROUND RODS).
- TWO SEPARATE GROUND RODS ARE REQUIRED, ONE FOR SERVICE AND THE OTHER FOR CABINET.

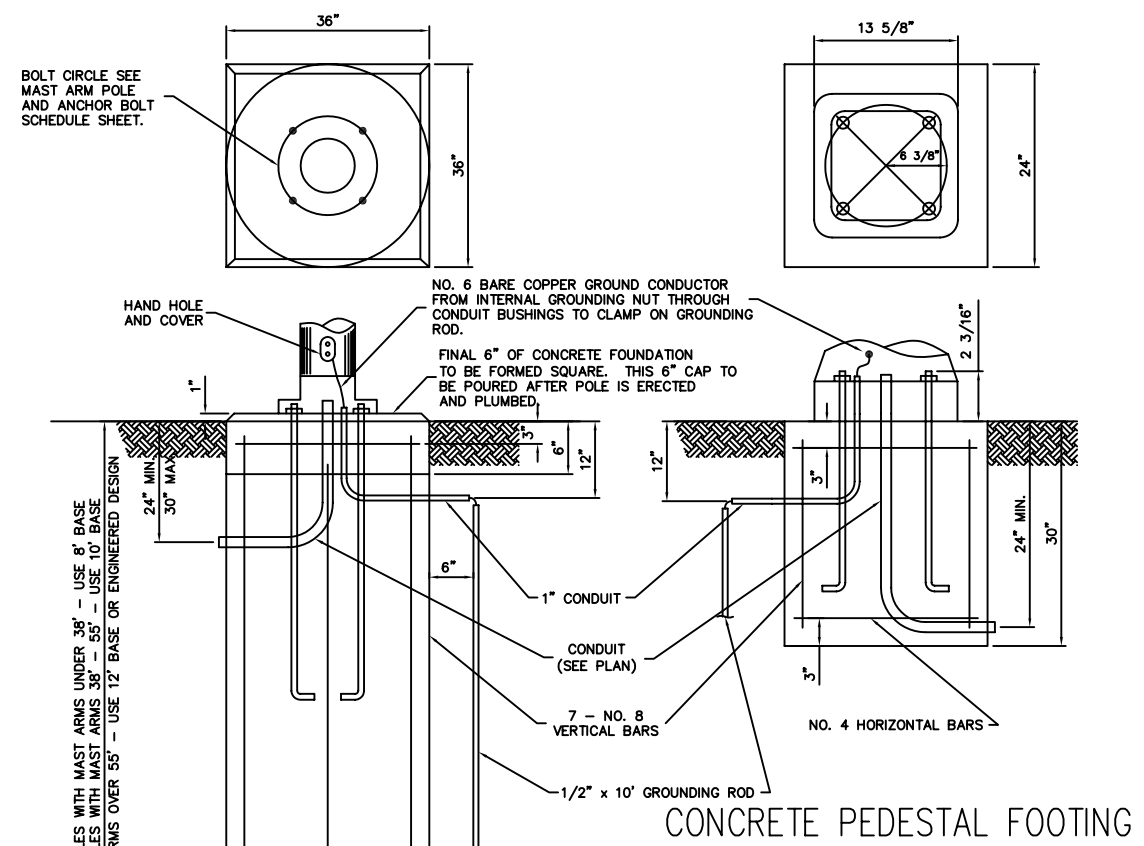
SERVICE ENCLOSURE DETAIL



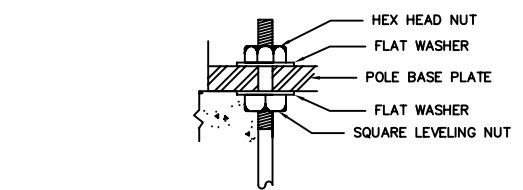
SERVICE ENCLOSURE NOTES:

- THE SERVICE ENCLOSURE SHALL BE AN MET2-VLM-1 OR MET2-VLM OR APPROVED EQUAL.
- PROVIDE A WATERTIGHT SEAL BETWEEN THE SERVICE ENCLOSURE AND THE CONCRETE PAD.
- WHEN STREET LIGHTS MOUNTED TO SIGNAL POLES OR STREET LIGHTS ON LIGHT POLES ARE POWERED THROUGH THE SIGNAL CONTROLLER, THE SERVICE ENCLOSURE SHALL BE A MYERS MET2-VLM-1.

CONCRETE POLE FOOTING



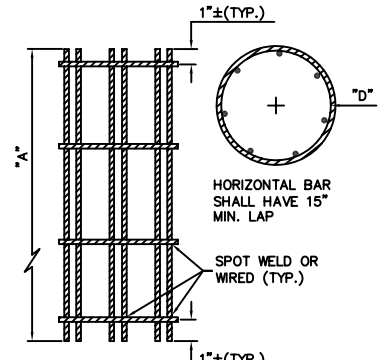
CONCRETE POLE FOOTING



ANCHOR BOLT DETAIL FOR COMBINATION LIGHTING / SIGNAL POLE

CONCRETE FOOTING NOTES:

- ALL CONDUITS AND ANCHOR BOLTS FOR CONTROL PADS AND TRAFFIC SIGNAL POLE BASES SHALL BE RIGIDLY INSTALLED BEFORE CONCRETE IS PLACED. ANCHOR BOLTS SHALL BE SPACED BY MEANS OF A TEMPLATE. THE CENTER OF WHICH SHALL COINCIDE WITH THE CENTER OF THE BASE.
- ATTACH GROUNDING BUSHING TO ALL CONDUIT ENDS.
- WHERE CONCRETE FOOTINGS OR PADS ARE INSTALLED ON A SLOPE, THE TOP ELEVATION SHALL BE ESTABLISHED ONE INCH ABOVE THE HIGHEST ADJACENT POINT AND MINIMUM DEPTHS SHALL BE MEASURED FROM THE LOWEST ADJACENT POINT. CONTRACTOR SHALL PROVIDE APPROVED BACKFILL AND GRADE AROUND FOOTINGS OR PADS AS DIRECTED BY THE ENGINEER.
- CONDUITS EXTENDED INTO CONCRETE FOOTINGS OR PADS SHALL TERMINATE 3 TO 4 INCHES ABOVE THE TOP OF THE FOOTING OR PAD.



REBAR CAGE DETAIL

REBAR SCHEDULE				
BASE DIA.	BASE LENGTH	REBAR CIRCLE TO	VERT. REBAR LENGTH	HOR. REBAR SPACING
24"	30"	20"	2' - 2"	12" MAX.
36"	8' - 0"	30"	7' - 8"	12" MAX.
36"	10' - 0"	30"	9' - 8"	12" MAX.
36"	12' - 0"	30"	11' - 8"	9" MAX.

DATE	REVISION	BY	APPR

TRAFFIC SIGNAL INSTALLATION
CONCRETE FOOTING AND PAD, POWER SERVICE
PROJECT
PUBLIC WORKS - ENGINEERING

PROJ. NO.	XX-XXXX	TSDETAIL03.DWG	02 JAN 02
DATE	XX-XX-XXXX	DETAIL 3 of 6	
DESIGNED	XXX		
DESIGN CK	XXX		
DETAILED	XXX		
DETAIL CK	XXX		

SHEET X OF XX

