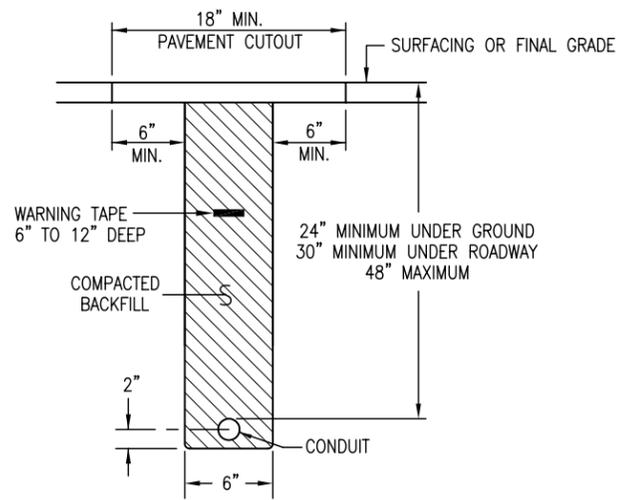
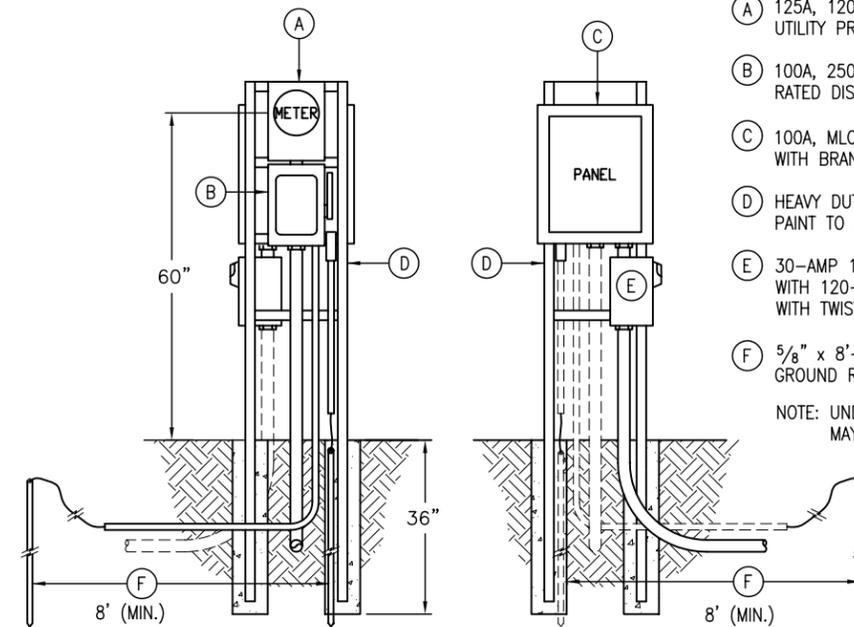


SECONDARY SERVICE PEDESTAL
(FRONT VIEW WITH COVER LIFTED)



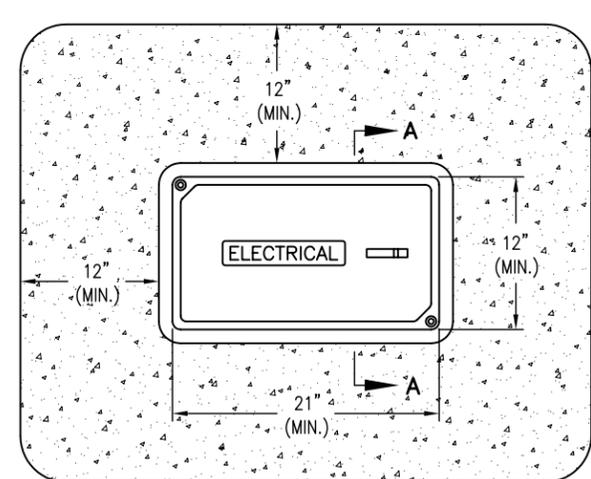
SECTION-TYPICAL CONDUIT BURIAL

- NOTES:
- CONTRACTOR SHALL COORDINATE TRENCHING WITH OTHER UNDERGROUND UTILITIES, RAMP METERING AND IRRIGATION. CONTRACTOR SHALL USE COMMON TRENCHES AT ALL ROAD CROSSINGS WHERE POSSIBLE.
 - ONE #14 AWG LOCATE WIRE AND A NYLON PULL STRING IN ALL EMPTY CONDUITS.

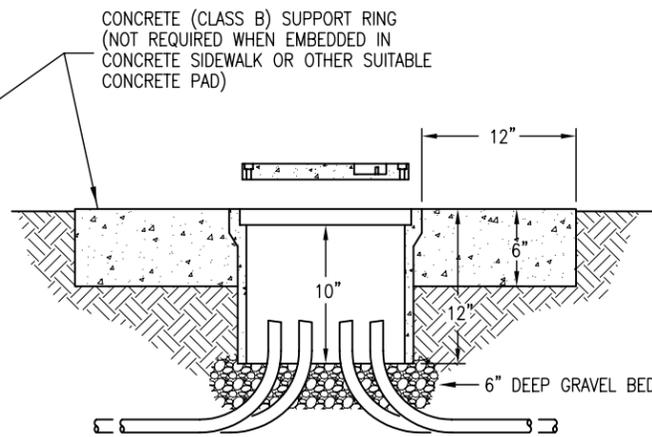


FRONT ELEVATION REAR ELEVATION
LIGHTING CONTROL CENTER (PEDESTAL)

- PEDESTAL COMPONENT LIST**
- (A) 125A, 120/240V, NEMA 3R METER HOUSING CONFORMING TO UTILITY PROVIDER REQUIREMENTS.
 - (B) 100A, 250V, HEAVY DUTY, 2-POLE, NEMA 3R, SERVICE ENTRANCE RATED DISCONNECT SWITCH WITH GROUND AND NEUTRAL BARS.
 - (C) 100A, MLO, 120/240V-1Ø-3W, 8-SPACE, NEMA 3R LOAD CENTER WITH BRANCH BREAKERS AS LISTED ON THE PANEL SCHEDULE.
 - (D) HEAVY DUTY, GALVANIZED C-CHANNEL TYPE RACKING SET IN CONCRETE. PAINT TO MATCH PANEL COLOR.
 - (E) 30-AMP 12-POLE ELECTRICALLY HELD LIGHTING CONTACTOR FURNISHED WITH 120-VOLT COIL AND NEMA 3R 120V PHOTO ELECTRIC CONTROL WITH TWIST-LOCK RECEPTACLE BASE.
 - (F) 5/8" x 8'-0" COPPER-CLAD DRIVEN GROUND ROD WITH APPROVED GROUND ROD CLAMP.
- NOTE: UNDERGROUND COMBINATION METER/SERVICE PANEL ASSEMBLY MAY BE USED IF APPROVED BY ENGINEER.



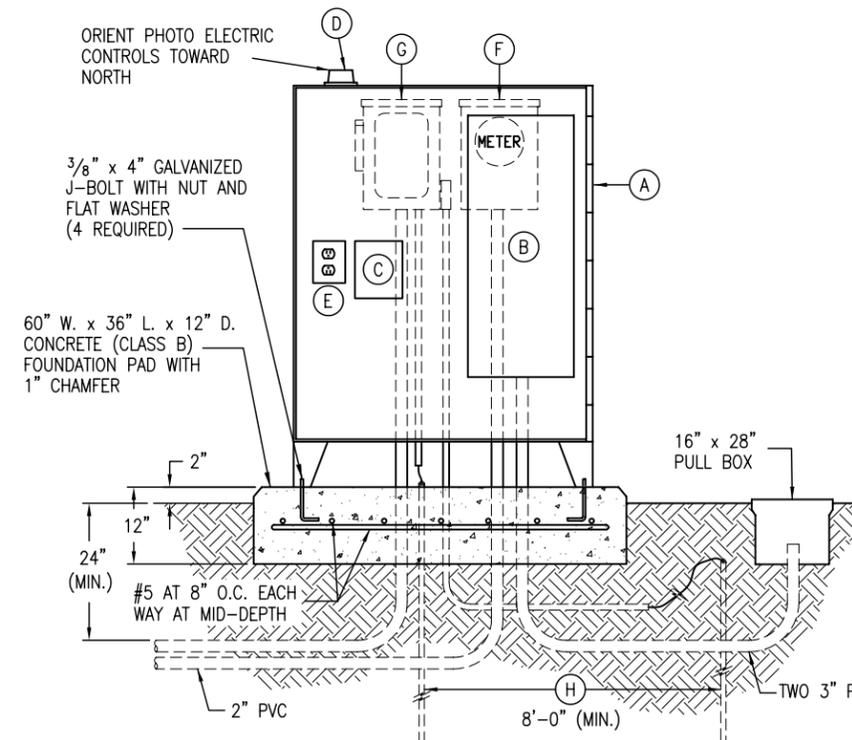
PLAN VIEW



SECTION A-A

TYPICAL PULL OR SPLICE BOX

- NOTES:
- ALL PULL OR SPLICE BOXES SHALL BE TRAFFIC RATED 20,000 PSI MINIMUM.
 - BOX DIMENSIONS SHOWN ARE FOR 2 IN. CONDUITS MAXIMUM. FOR CONDUITS LARGER THAN 2 IN. REFER TO N.E.C. SECTION 314.28A FOR BOX SIZE REQUIREMENTS.



LIGHTING CONTROL CENTER (CABINET)

- CABINET COMPONENT LIST**
- (A) 30 IN. W. x 48 IN. H. x 12 IN. D. NEMA 3R HINGED ENCLOSURE WITH 6 IN. LEGS ANCHORED TO THE CONCRETE FOUNDATION PAD. THE BACK OF THE CABINET SHALL BE LOCATED 6 IN. MAXIMUM FROM THE EDGE OF THE CONCRETE PAD.
 - (B) NEMA 1, 100-AMP MLO 120V/240V 1Ø 3W LOAD CENTER (SEE PANEL SCHEDULE). MINIMUM SPACES AS REQUIRED PLUS A MINIMUM OF TWO AVAILABLE SPACES FOR FUTURE USE. INSTALL IN CABINET WITH FULL-SIZE GROUND, COVER, AND BRANCH BREAKERS AS LISTED ON THE SCHEDULE.
 - (C) ELECTRICALLY HELD LIGHTING CONTACTOR FURNISHED WITH 120-VOLT COIL AND NUMBER OF POLES REQUIRED. INSTALL INSIDE CABINET.
 - (D) NEMA 3R 120V PHOTOELECTRIC CONTROL WITH 3-PRONG TWIST-LOCK RECEPTACLE BASE. INSTALL THE BASE INSIDE THE CABINET. THE PHOTOELECTRIC CONTROL SHALL BE MOUNTED ON TOP OF THE CABINET AND ORIENTED NORTHWARD TO MINIMIZE THE SUN'S INTERFERENCE.
 - (E) 20-AMP GFCI MAINT. RECEPTACLE IN A 1-GANG BACK BOX WITH COVER. INSTALL INSIDE THE CABINET.
 - (F) 125A, 120/240V, METER HOUSING CONFORMING TO THE UTILITY PROVIDER'S REQUIREMENTS.
 - (G) NEMA 3R, 100-AMP, 2-POLE FUSED DISCONNECT, UL LISTED FOR SERVICE EQUIPMENT AND FRN FUSES AS SHOWN ON ONE-LINE DIAGRAM WITH NEUTRAL AND GROUND BARS. MOUNTED ON BACK SIDE OF ENCLOSURE.
 - (H) 5/8" x 8'-0" COPPER-CLAD DRIVEN GROUND ROD WITH APPROVED GROUND ROD CLAMP.

NOT SHOWN IN THE DETAIL:

- VOLTAGE SURGE ARRESTOR, 650V A.C. TO GROUND MAX.
- "HAND-OFF-AUTO" KEY SWITCH. KEYED FOR AGENCY RESPONSIBLE FOR THE MAINTENANCE OF THE SYSTEM.

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