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TOWN OF YORKTOWN
363 Underhill Avenue, P.O. Box 703
Yorktown Heights, NY 10598

ADDENDUM NO. 6

To All Bidders:

Please see the below questions and answers for the Underhill Farm and Route 118 Interchange Improvement bid, as well as the attachments.

Is there a detail for Item 645.81000201? What size foundation and what size pole should be used?

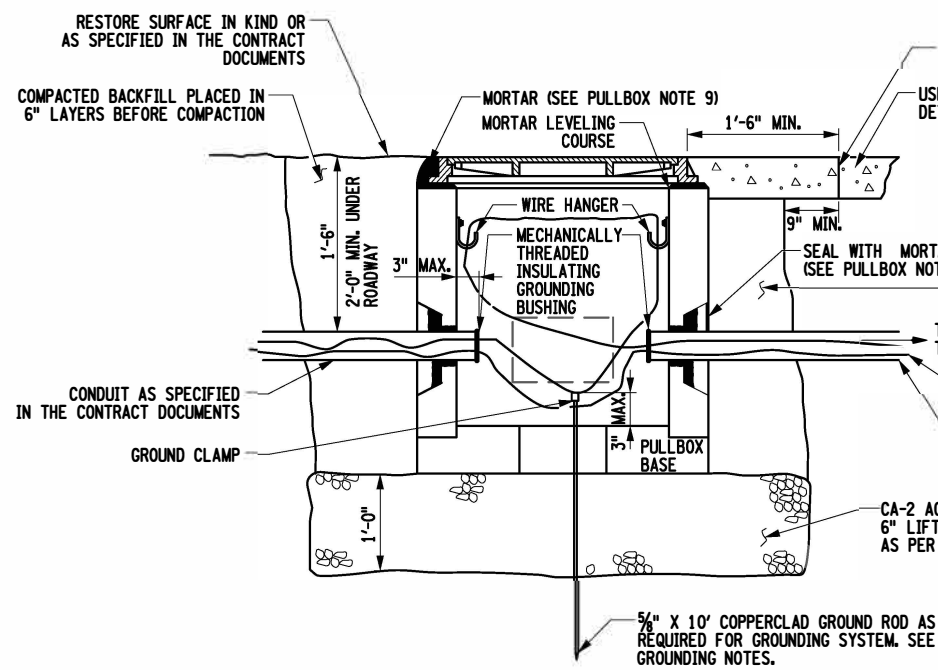
Bidders are directed to NYSDOT Standard Sheet 680-09 (attached) for details of pole and installation. The proposed sign installation will be similar to the Rectangular Rapid Flashing Beacon (RRFB) detail. The pole shall be of sufficient height to accommodate the radar speed assembly/sign and Speed Limit Sign as well as solar panel assembly.

Also in the Excavation Special Notes: it states Transverse crossings under NYSDOT Pavement shall be a minimum of 5 ft between the top of the pavement and the top of the utility. Could you please clarify? Seems awful deep and we have never seen a spec requesting this deep of an excavation.

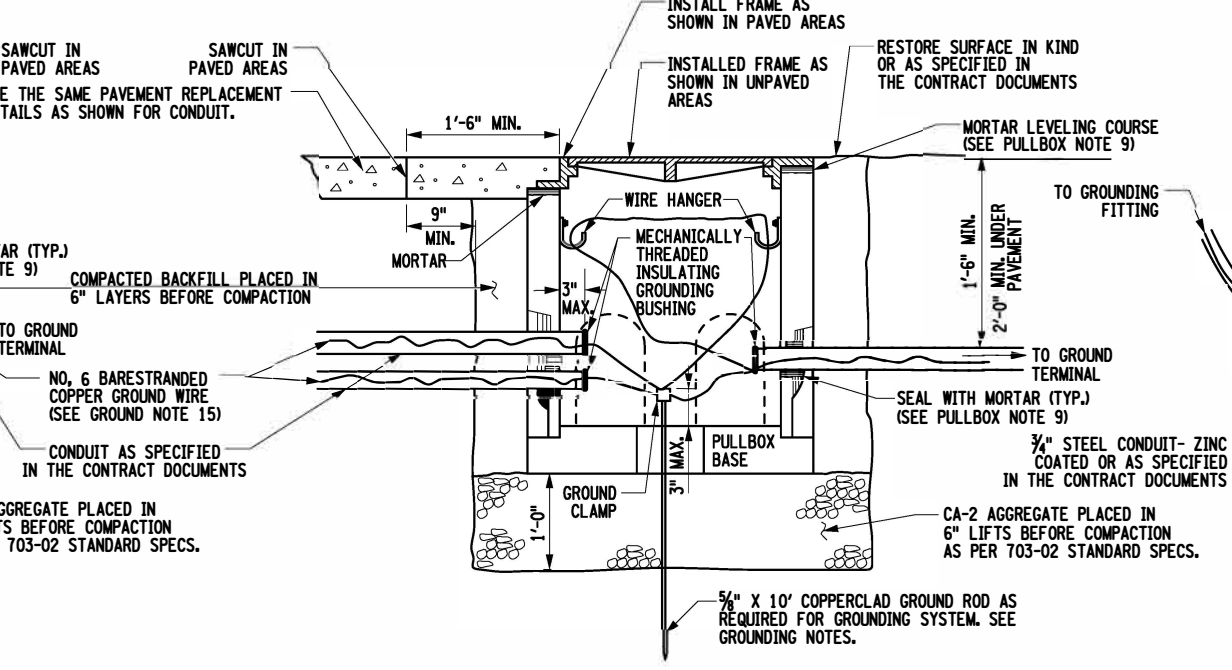
The excavation special note referred to here is relative to utility lines only (i.e. Water, Sewer, Gas). Traffic signal conduits shall be installed in accordance to the conduit installation detail on NYSDOT Standard 680-04 (attached).

DIANA L. QUAST, TOWN CLERK
MASTER MUNICIPAL CLERK
TOWN OF YORKTOWN

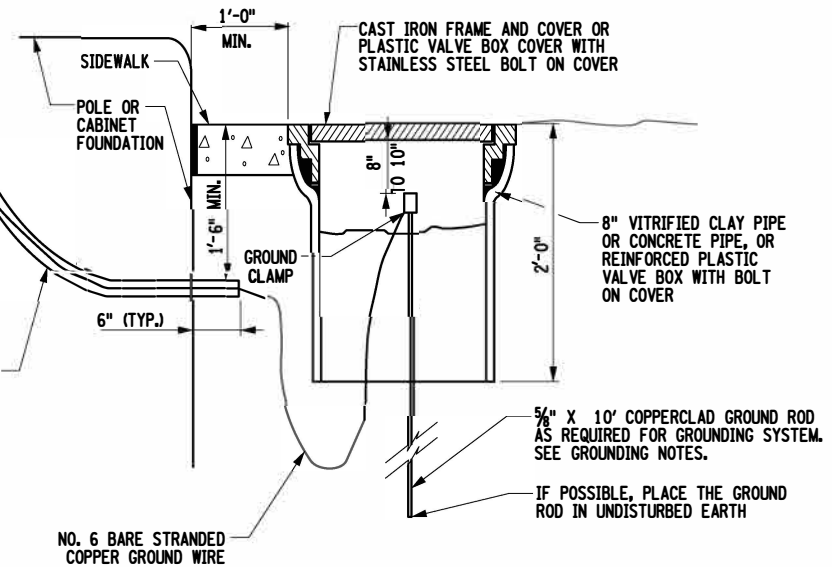
Dated: December 2, 2024



RECTANGULAR PULLBOX INSTALLATION



CIRCULAR PULLBOX INSTALLATION



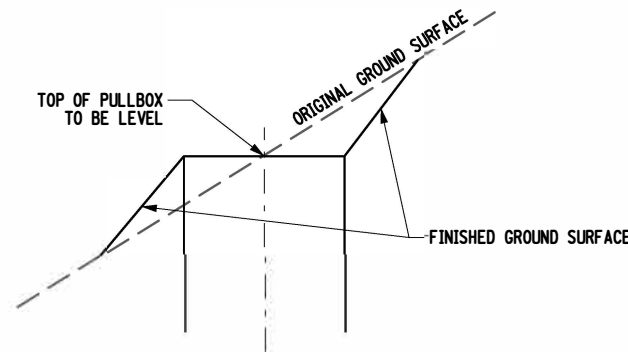
GROUNDING PULLBOX INSTALLATION

GENERAL NOTES:

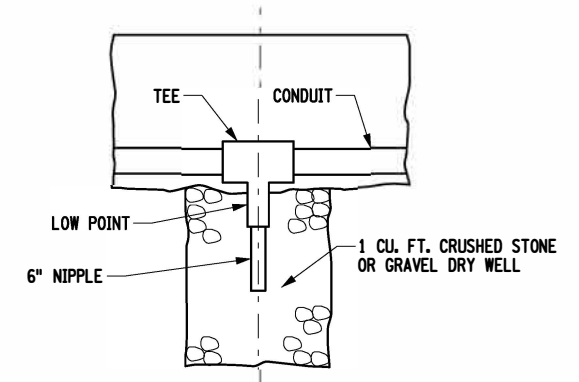
1. CONCRETE SHALL BE USED WHEN EARLY OPENING TO TRAFFIC IS REQUIRED.
 2. REPLACEMENT PAVEMENT SECTION SHALL BE SIMILAR TO EXISTING PAVEMENT.
 3. THE TYPES OF BITUMINOUS MATERIALS USED SHALL MATCH THE EXISTING MATERIALS IN TOP, BINDER, AND BASE COURSES (I.E. REPLACE DENSE BASE, OPEN BASE WITH OPEN BASE, ETC.).
- PULLBOX NOTES:
4. BASES ARE REQUIRED ONLY WHEN THE PULLBOX IS PLACED IN THE PAVEMENT OR SHOULDER.
 5. PULLBOXES MAY BE CAST-IN-PLACE IF THE FOLLOWING CONDITIONS ARE MET:
 - A. SAME INTERIOR SIZE AS PRECAST PULLBOX.
 - B. MINIMUM WALL THICKNESS OF 6".
 - C. CONCRETE PER STANDARD SPECIFICATIONS 680-2.02
 - D. REINFORCING NOT REQUIRED.
 - E. BASES MAY BE CAST INTEGRAL.
 - F. WIRE HANGERS PER PRECAST PULLBOXES.
 - G. CONDUIT OPENINGS AS REQUIRED BY THE CONTRACT DOCUMENTS.
 - H. MINIMUM DEPTH THE SAME AS PRECAST PULLBOX.
 - I. AT LEAST THE TOP 6" OF THE EXTERIOR SHALL BE FORMED.
 6. WIRING OTHER THAN GROUND WIRES, SHALL BE SECURED TO THE WIRE HANGER AND HELD CLEAR OF THE BOTTOM OF THE PULLBOX.
 7. PULLBOX EXTENSIONS MAY BE USED TO INCREASE PULLBOX DEPTH AS REQUIRED, EXTENSIONS SHALL BE ADDED AT THE BOTTOM, TO A MAXIMUM EXTENSION HEIGHT OF 1'-0".
 8. THE CONTRACTOR SHALL NOT LOCATE NEW PULLBOXES IN SIDEWALK CURB RAMPS OR SIDE FLARES AND CURB RAMP LANDINGS. THE CONTRACTOR SHALL MAKE ALL FEASIBLE EFFORTS TO LOCATE PULLBOXES IN SNOW STORAGE AREAS OR OTHER LOCATIONS OUTSIDE "THE PEDESTRIAN ACCESS ROUTE".
 9. THE CONTRACTOR SHALL REFER TO NYS DOT STANDARD SPECIFICATIONS "705-21" FOR MASONRY MORTAR MIX.

GROUNDING NOTES:

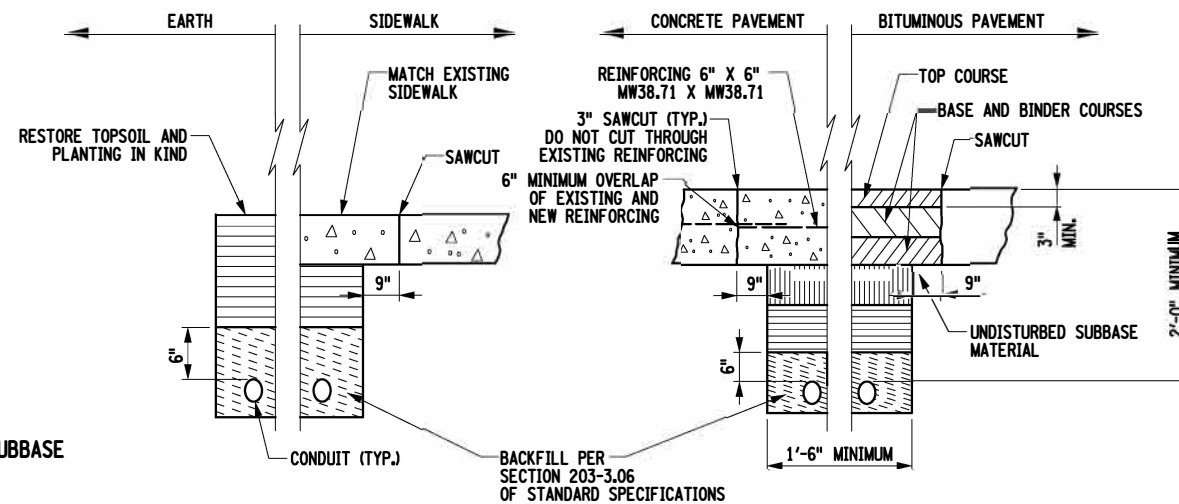
10. IF NORMAL GROUND ROD LOCATION IS NEAREST TO THE POLE OR CABINET, USE THE GROUND ROD INSTALLATION SHOWN IN THE UPPER RIGHT.
11. METALLIC CONDUIT RUNS MAY BE BONDED TOGETHER TO SUPPLEMENT THE GROUND ROD PER SPECIFICATION.
12. SECTIONAL GROUND RODS WITH COUPLINGS SHALL NOT BE USED TO INCREASE ROD LENGTH.
13. THE GROUND ROD INSTALLATION SHOWN AT THE UPPER RIGHT SHALL BE PLACED IN THE PAVEMENT AND SHOULDERS.
14. PAYMENT FOR EXCAVATION, LABOR PIPE, TILE, FRAME AND COVER TO BE INCLUDED AS PART OF THE GROUND SYSTEM.
15. SERVICE GROUND WIRE MAY VARY AS PER UTILITY REQUIREMENTS.
16. REFER TO STANDARD SPECIFICATIONS 680-3.12.



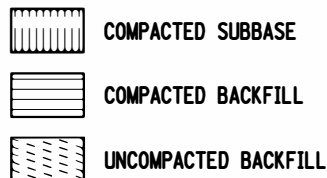
PULLBOX IN AN EMBANKMENT



"T" DRAIN



CONDUIT EXCAVATION, BACKFILL AND PAVEMENT REPLACEMENT



ALL DETAILS ON THIS SHEET ARE NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

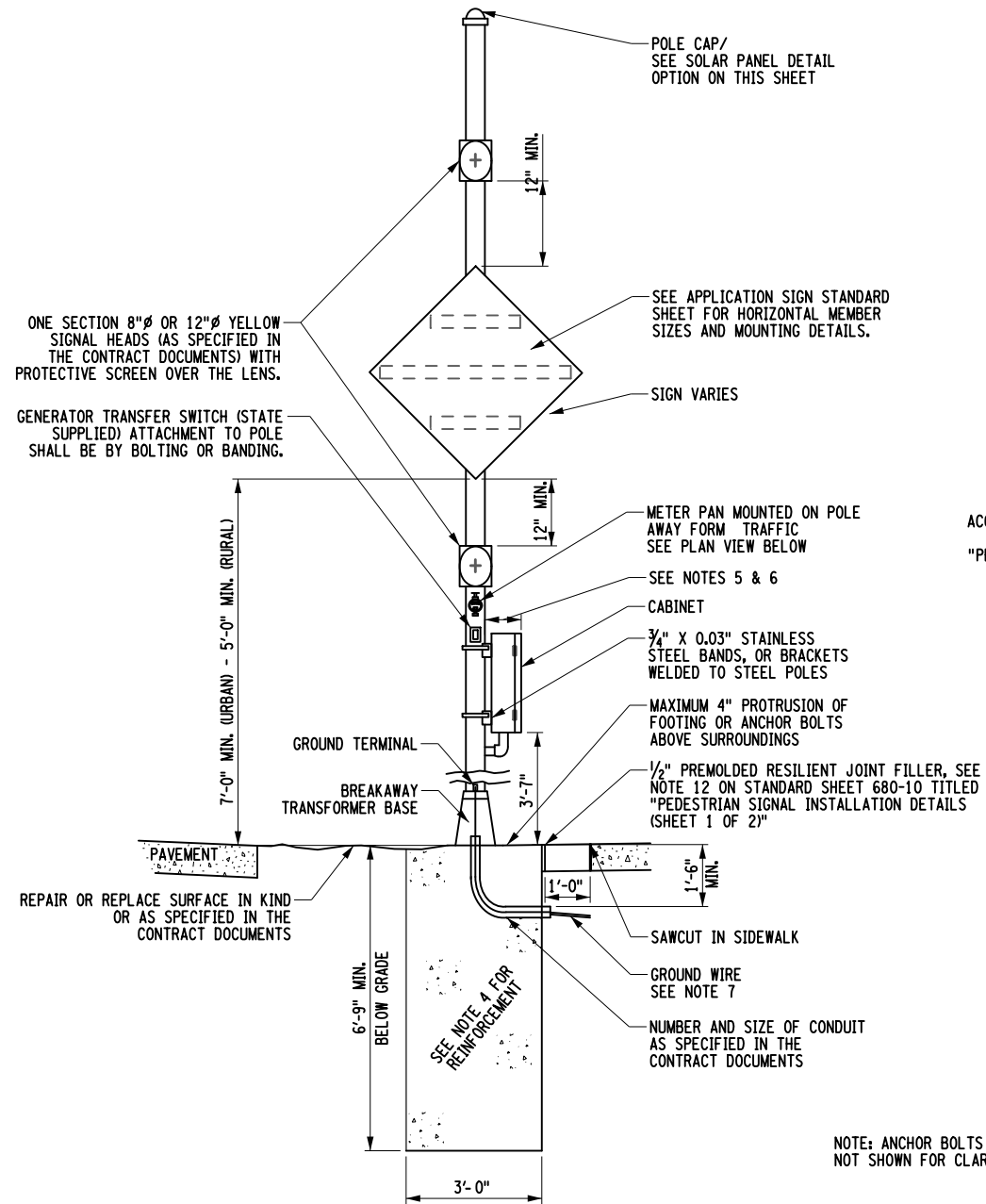
PULLBOX, CONDUIT AND GROUNDING PULLBOX INSTALLATION DETAILS

APPROVED OCTOBER 18, 2023

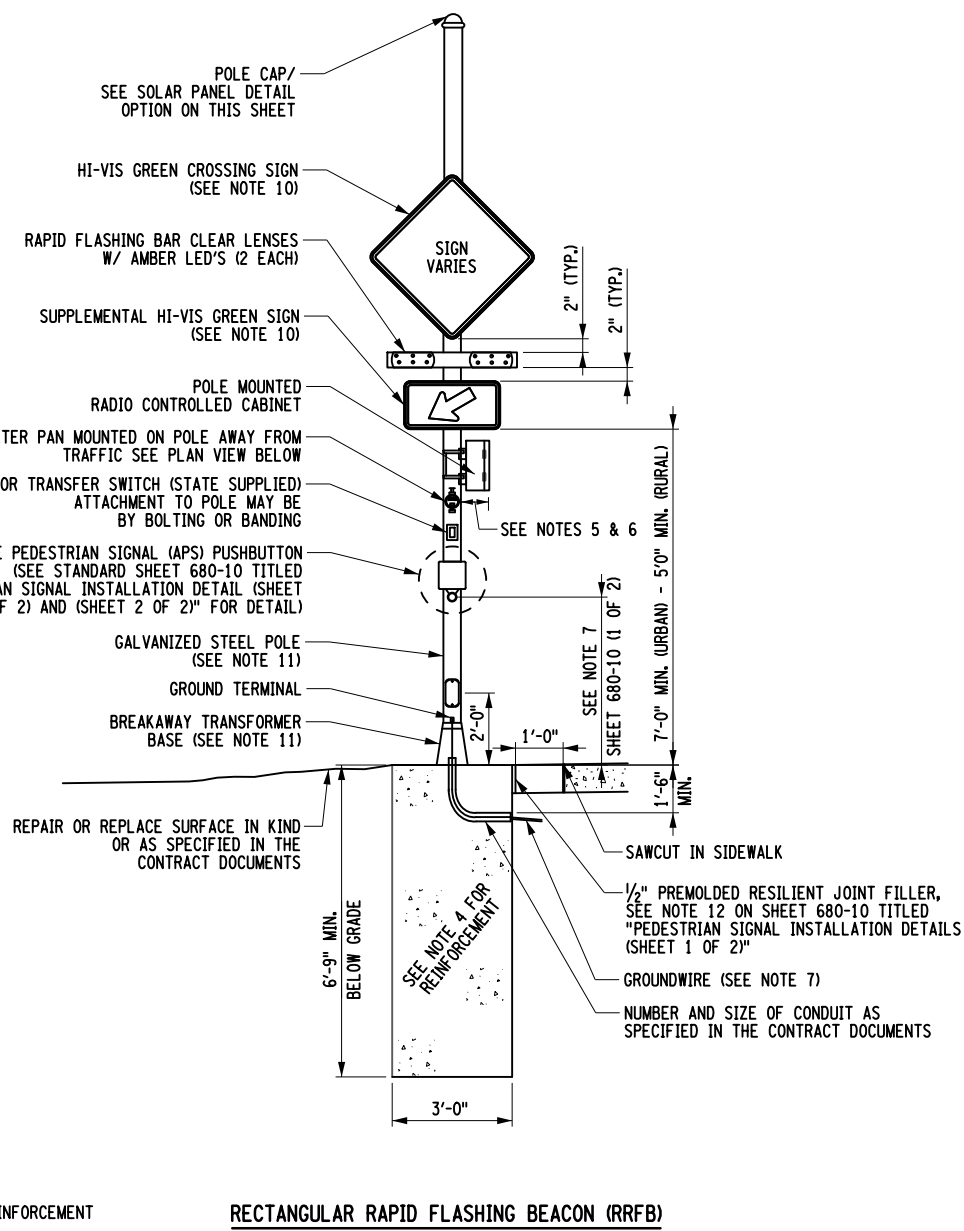
ROBERT LIMOGES, P. E. DIRECTOR, OTSM

ISSUED UNDER EI 23-022

680-04



FLASHING BEACON SIGN ASSEMBLY

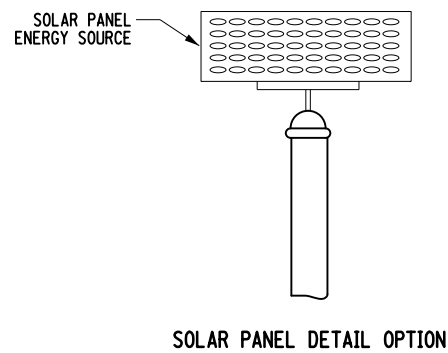


RECTANGULAR RAPID FLASHING BEACON (RRFB)

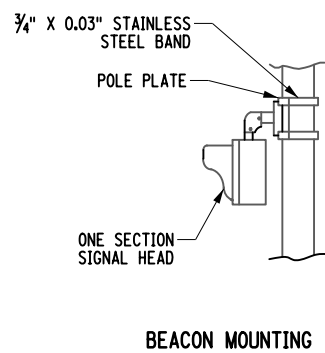
NOTE: ANCHOR BOLTS AND REINFORCEMENT NOT SHOWN FOR CLARITY

NOTES:

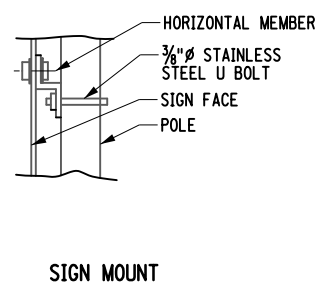
1. FOR SPECIFIC FOUNDATION DETAILS SEE STANDARD SHEET 680-01 TITLED "TRAFFIC SIGNAL POLE FOUNDATIONS".
2. FOR SPECIFIC GROUNDING DETAILS SEE STANDARD SHEET 680-04 TITLED "PULLBOX, CONDUIT AND GROUND ROD INSTALLATION DETAILS".
3. FOR SPECIFIC POLE DETAILS SEE THE STANDARD SHEETS 680-06 TITLED "STANDARD TRAFFIC SIGNAL POLES".
4. AN APPROVED BREAKAWAY TRANSFORMER BASE SUITABLE FOR USE WITH THE ASSEMBLY WEIGHT SHALL BE INSTALLED WITH THE FLASHING BEACON ASSEMBLY. THE FOUNDATION WIDTH SHALL BE 36" WIDE AND REINFORCED AS PER FOUNDATION CODE K-4 ON STANDARD SHEET 680-01 TITLED "TRAFFIC SIGNAL POLE FOUNDATIONS".
5. MAXIMUM ALLOWABLE ENCROACHMENT INTO ADJACENT SIDEWALK IS 12".
6. THE POLE MOUNTED RADIO NETWORK CONTROLLER CABINET SHALL NOT INTRUDE INTO THE SIDEWALK AREA OR OBSTRUCT THE PEDESTRIAN PUSHBUTTON. THE CABINET SHALL BE MOUNTED ON THE SIDE OF THE POLE AWAY FROM APPROACHING TRAFFIC. IN UNPAVED AREAS, A CONCRETE WORK PAD SHALL BE CONSTRUCTED IN FRONT OF THE CABINET DOOR (AOBE) NOT TO EXCEED 5' x 5' x 4" DEEP AND SHALL ABUT AND BE FLUSH WITH THE POLE FOUNDATION. THE CABINET SHALL BE OF SUFFICIENT SIZE TO HOUSE ALL REQUIRED EQUIPMENT.
7. SERVICE GROUND WIRE MAY VARY AS PER UTILITY REQUIREMENTS. FOR SPECIFIC INSTALLATION DETAILS SEE STANDARD SHEET 680-05 TITLED "BASE AND POLE MOUNTED CABINET INSTALLTION DETAILS".
8. ELECTRICAL SERVICE CAN BE PROVIDED UNDERGROUND AND ENTER THROUGH THE BASE AS SPECIFIED IN THE CONTRACT DOCUMENTS. WHERE ELECTRICAL SERVICE IS PROVIDED BY SOLAR, THE SOLAR PANEL ASSEMBLY SHALL BE AFFIXED TO THE TOP OF THE POLE AND BE CAPABLE OF ROTATING 360°. THE PANEL SHALL BE ABLE TO BE ANGLED BETWEEN 45-60°.
9. THE HAND HOLE ON THE PED/POLE BREAKAWAY BASE SHALL BE ORIENTED AWAY FROM TRAFFIC.
10. CROSSING SIGNS AND SUPPLEMENTAL PLAQUES SHALL UTILIZE FLUORESCENT YELLOW-GREEN TYPE IX SHEETING. SIGN AND PLAQUE SIZES SHALL CONFORM TO THE MUTCD. ALL SIGNS AND PLAQUES SHALL CONFORM TO THE MATERIAL REQUIREMENTS IN SECTION 645 OF THE STANDARD SPECIFICATIONS.
11. THIS ASSEMBLY SHALL INCLUDE A GALVANIZED STEEL POLE WITH AN APPROVED BREAKAWAY TRANSFORMER BASE AND CONCRETE FOUNDATION MEETING ALL THE MATERIAL REQUIREMENTS OF STANDARD SPECIFICATION SECTION 680-2 AND BE SUITABLE TO HANDLE THE STATIC & DYNAMIC LOADING OF THE ASSEMBLY AS PER MANUFACTURER REQUIREMENTS. FOR FOUNDATION REINFORCEMENT, SEE STANDARD SHEET 680-01 TITLED "TRAFFIC SIGNAL POLE FOUNDATIONS", CODE K-4.



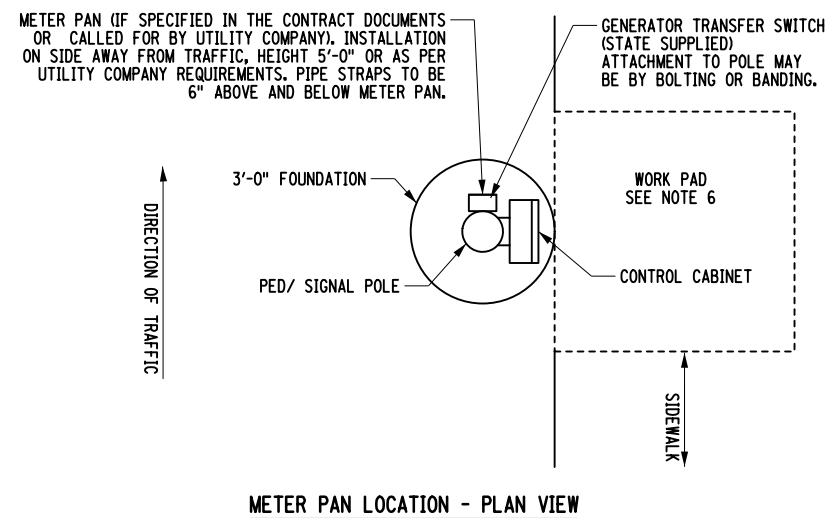
SOLAR PANEL DETAIL OPTION



BEACON MOUNTING



SIGN MOUNT



METER PAN LOCATION - PLAN VIEW

ALL DETAILS ON THIS SHEET ARE NOT TO SCALE



U.S. CUSTOMARY STANDARD SHEET

FLASHING BEACON INSTALLATION DETAILS

APPROVED OCTOBER 18, 2023 ISSUED UNDER EI 23-022
 RICHARD D. WILBER, P.E. DEPUTY CHIEF ENGINEER, DESIGN 680-09