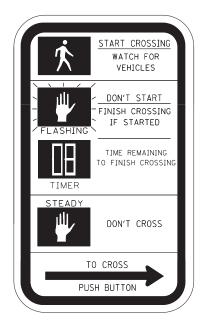
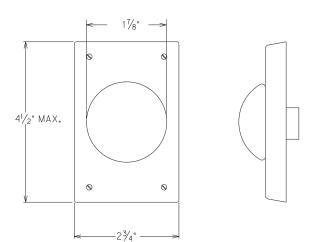


TYPE FS BOX FOR PED DETECTOR FOR USE WITH STEEL STRAIN POLE, WOOD POST, PEDESTAL, AND WOOD POLE

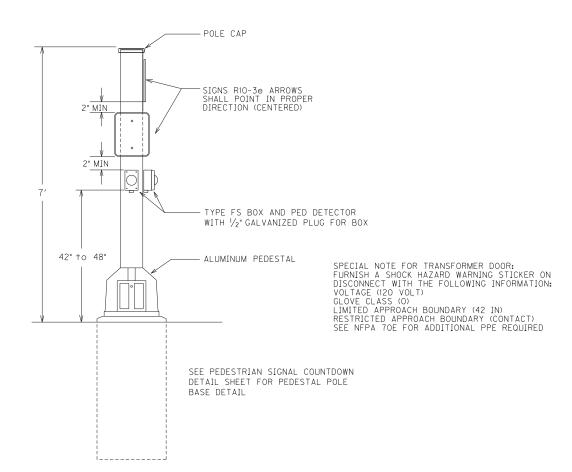
PEDESTAL POST DETAIL FOR PED DETECTORS & SIGNS



R10-3e SIGN (9" X 15") FOR COUNTDOWN ONLY



PED DETECTOR



SIGNS R10-3e ARROWS — SHALL POINT IN PROPER DIRECTION 4" × 4" × 10′ -WOOD POST TYPE FS BOX AND DRILL HOLES TO MAKE PED DETECTOR RACEWAY FOR WIRES CONNECTING OTHER PED DETECTOR. 1/2" GALVANIZED PLUG DRILL HOLE TO ACCOMMODATE DOUBLE HOLE CONDUIT EXIT HUB. STRAP WITH 1/4" X 21/2" 42" to 48" GALVANIZED LAG BOLTS SIGN R10-3e (CENTERED) — 1/2" RIGID STEEL CONDUIT TYPE FS BOX AND -FINISHED GRADE PED DETECTOR 18" MIN. - CABLE INSIDE CONDUIT TO CONNECT BOTH PED DETECTORS. THE GREEN WIRE

SHALL BE USED FOR THE GROUND WIRE.

#9 X 11/2" PAN HEAD OR ROUND HEAD WOOD SCREWS TO SECURE BOX TO POST. MINIMUM OF 2 SCREWS FOR EACH BOX. SCREWS SHALL

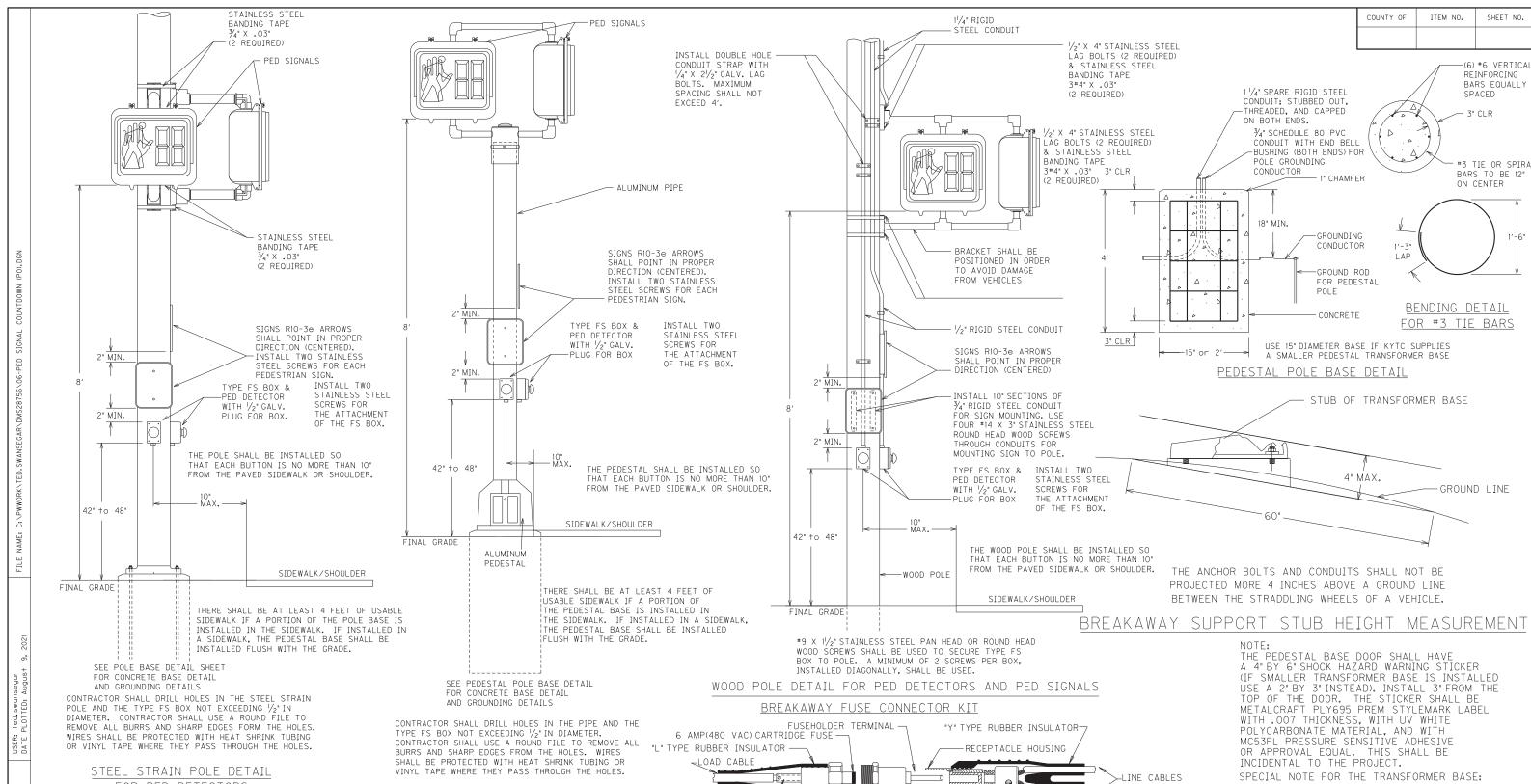
BE INSTALLED DIAGONALLY.

PED DETECTOR ON WOOD POST DETAIL

4" X 4" X 10' WOOD POST

PEDESTRIAN DETECTOR DETAIL

8/3/2021



LOAD TERMINAL

(SCREW TYPE)

FUSE HOLDER-

DETAILS OF TYPE HEB-JW-RYC CONNECTOR

LOAD SIDE ASSEMBLY BREAKAWAY POINT LINE SIDE ASSEMBLY

FOR PED DETECTORS AND PED SIGNALS

NOTE:

ALL GROUNDING AND SPARE CONDUITS THAT ARE INSTALLED IN THE CONCRETE PEDESTAL POLE BASE ARE INCIDENTAL TO BID ITEM "23222EC". HIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE CONCRETE BASE. AN ARROW SHALL BE ETCHED INTO THE TOP OF THE PEDESTAL BASE TO SHOW LOCATION AND DIRECTION OF THE SPARE CONDUIT.

> THERE SHALL BE A 2.5'(MIN.) X 4'(MIN.) CLEAR SPACE AT ALL PEDESTRIAN BUTTONS PER SECTION 404 OF PROWAG REQUIREMENTS.

CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO THE TRANSFORMER BASE.

PEDESTAL POLE DETAIL

FOR PED DETECTORS

AND PED SIGNALS

GROUNDING REQUIREMENTS:

LEAVE TOP OF GROUND RODS EXPOSED FOR ELECTRICAL INSPECTION.

PEDESTAL POLE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO A GROUND LUG ON THE TRANSFORMER BASE AND THEN TO EACH RIGID STEEL GROUNDING BUSHING. ALL GROUND RODS SHALL BE 24" FROM THE CONCRETE POLE BASE.

SPECIAL NOTE FOR THE TRANSFORMER BASE: FUSED CONNECTOR KITS SHALL BE INSTALLED FOR ALL 120 VOLT WIRING IN TRANSFORMER BASES. THIS WILL ONLY BE NEEDED FOR PEDESTRAIN HEADS AND SIGNALS HEADS. PEDESTRAIN DETECTORS DO NOT REQUIRE FUSED CONNECTOR KITS. CONTRACTOR CAN USE ONE KIT FOR A COMMON NEUTRAL FOR ALL DEVICESIN THE TRANSFORMER BASE. THERE SHALL BEA METAL LUG INSTALLED IN THE NEUTRAL WIRE KIT INSTEAD OF A FUSE.

TERMINAL

- CONNECTOR SCREW

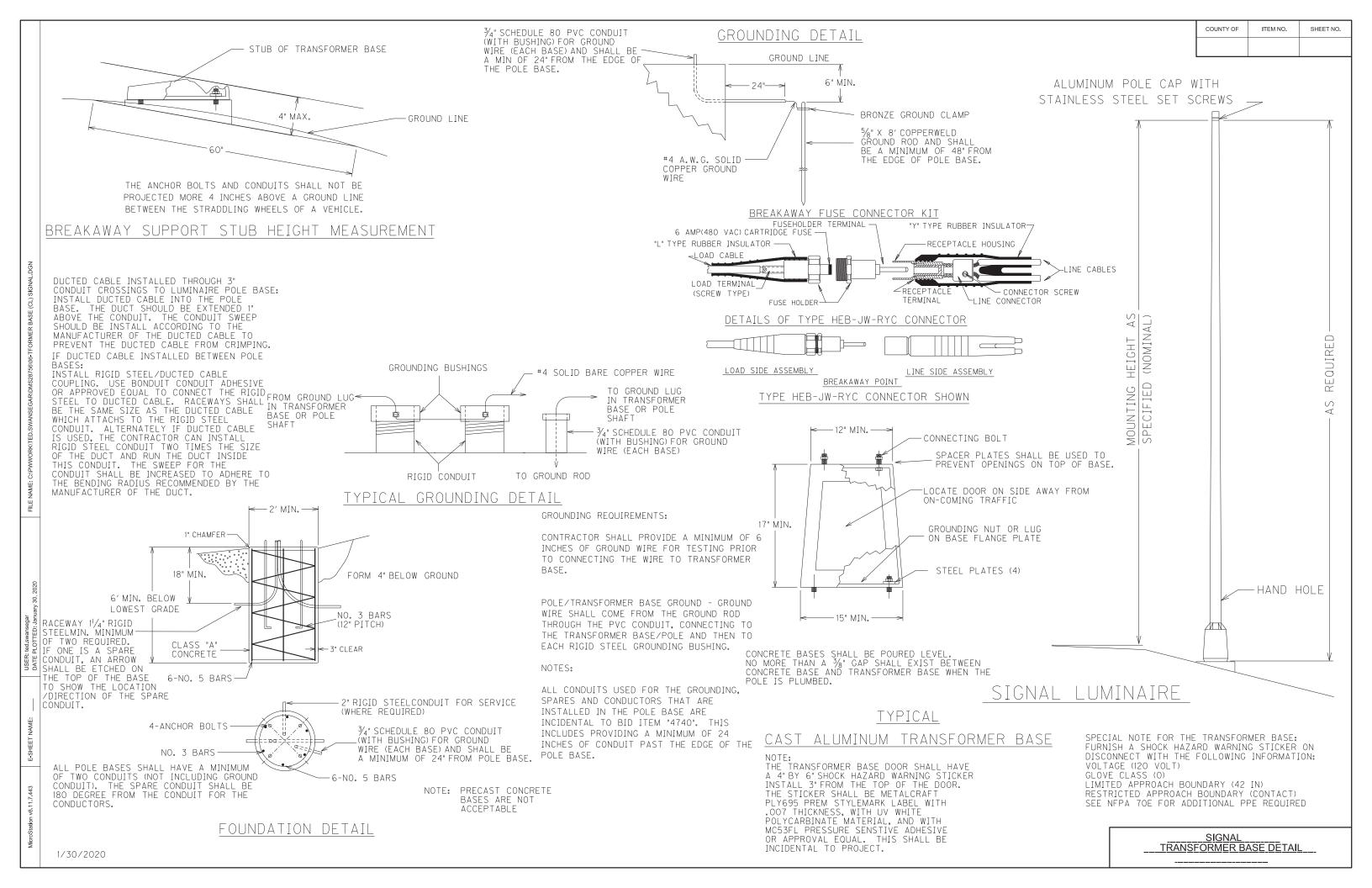
-LINE CONNECTOR

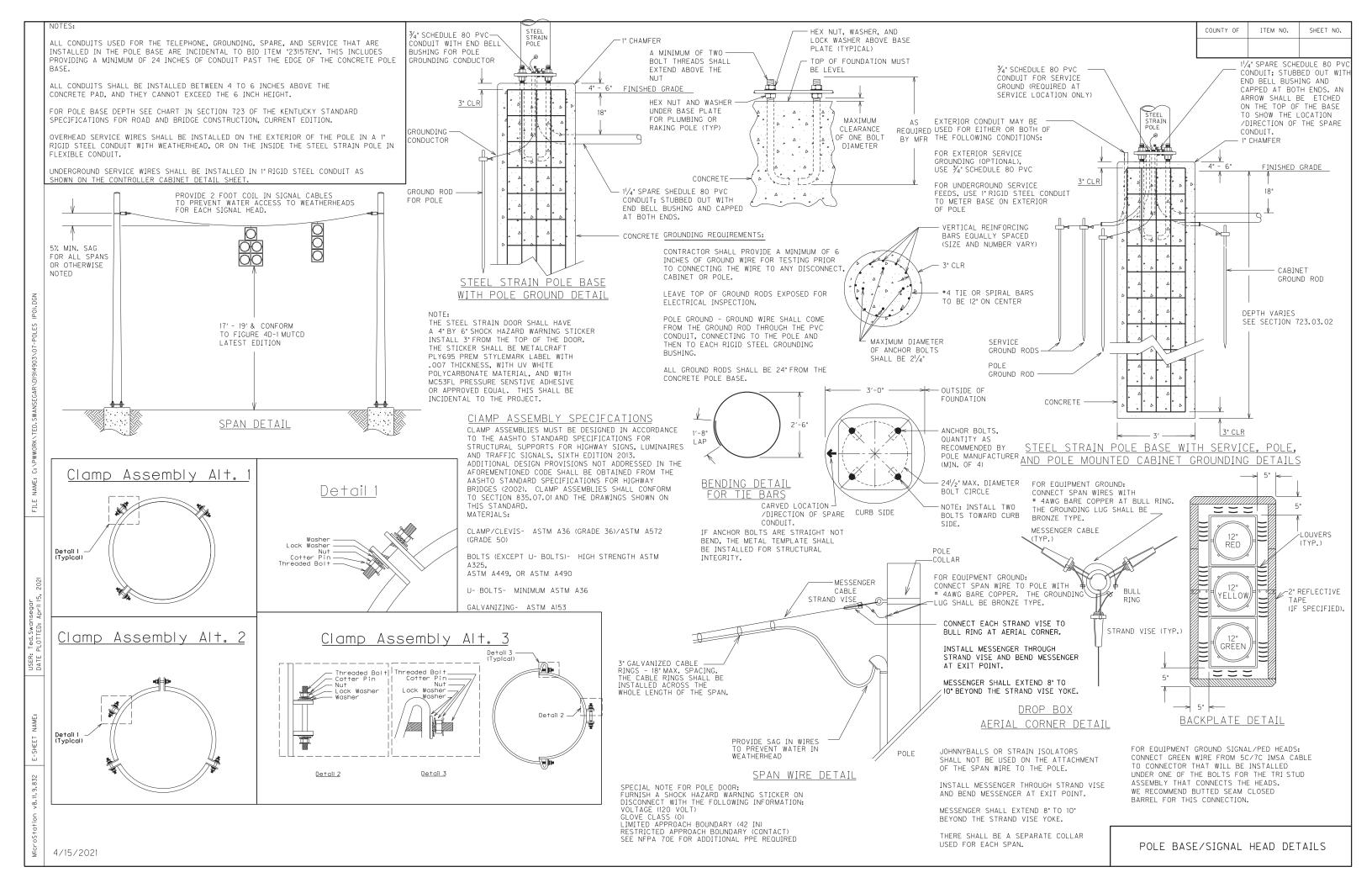
SPECIAL NOTE FOR THE TRANSFORMER BASE: FURNISH A SHOCK HAZARD WARNING STICKER ON DISCONNECT WITH THE FOLLOWING INFORMATION: VOLTAGE (120 VOLT) GLOVE CLASS (0) LIMITED APPROACH BOUNDARY (42 IN) RESTRICTED APPROACH BOUNDARY (CONTACT) SEE NFPA 70E FOR ADDITIONAL PPE REQUIRED

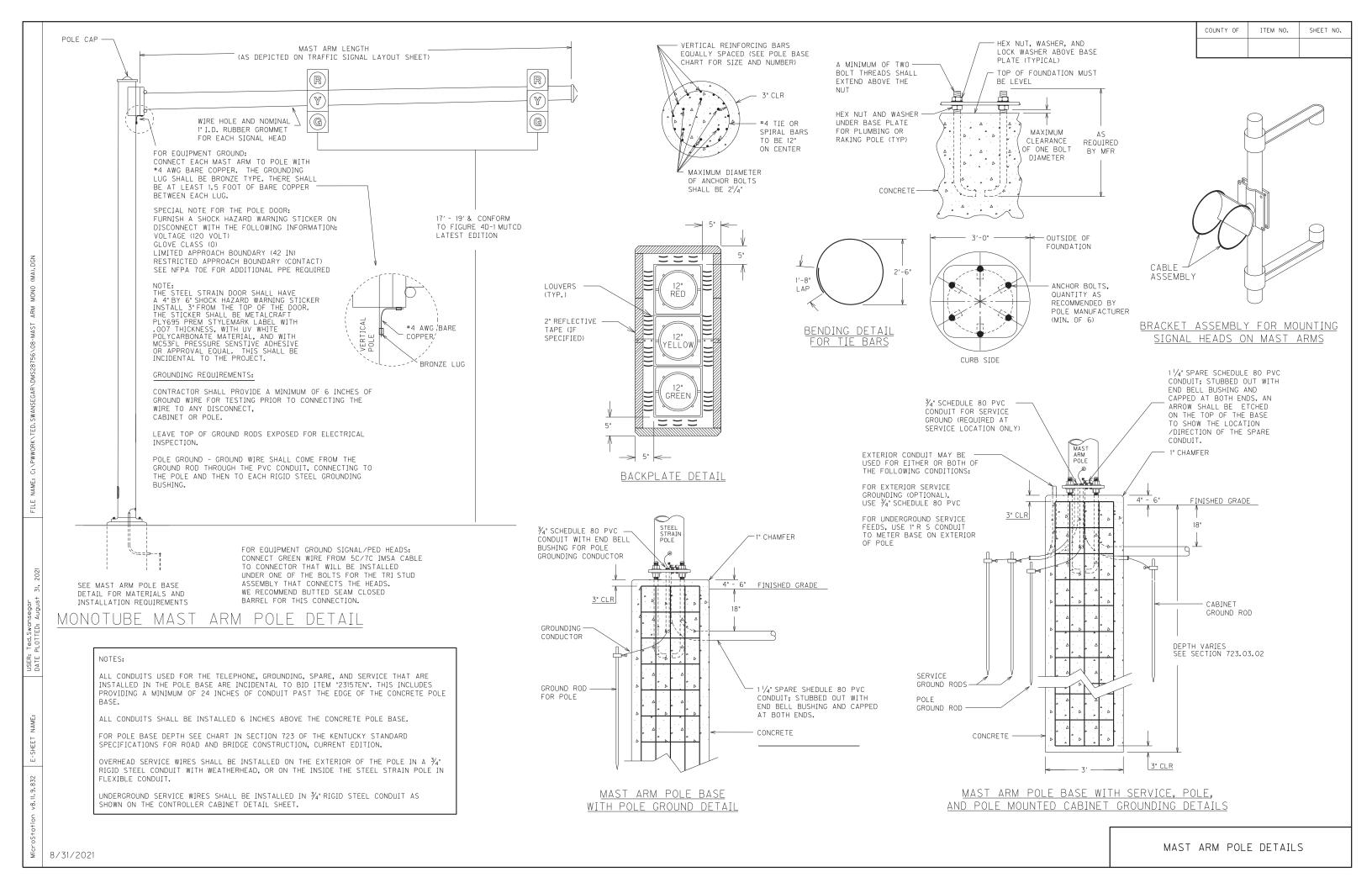
TYPE HEB-JW-RYC CONNECTOR SHOWN

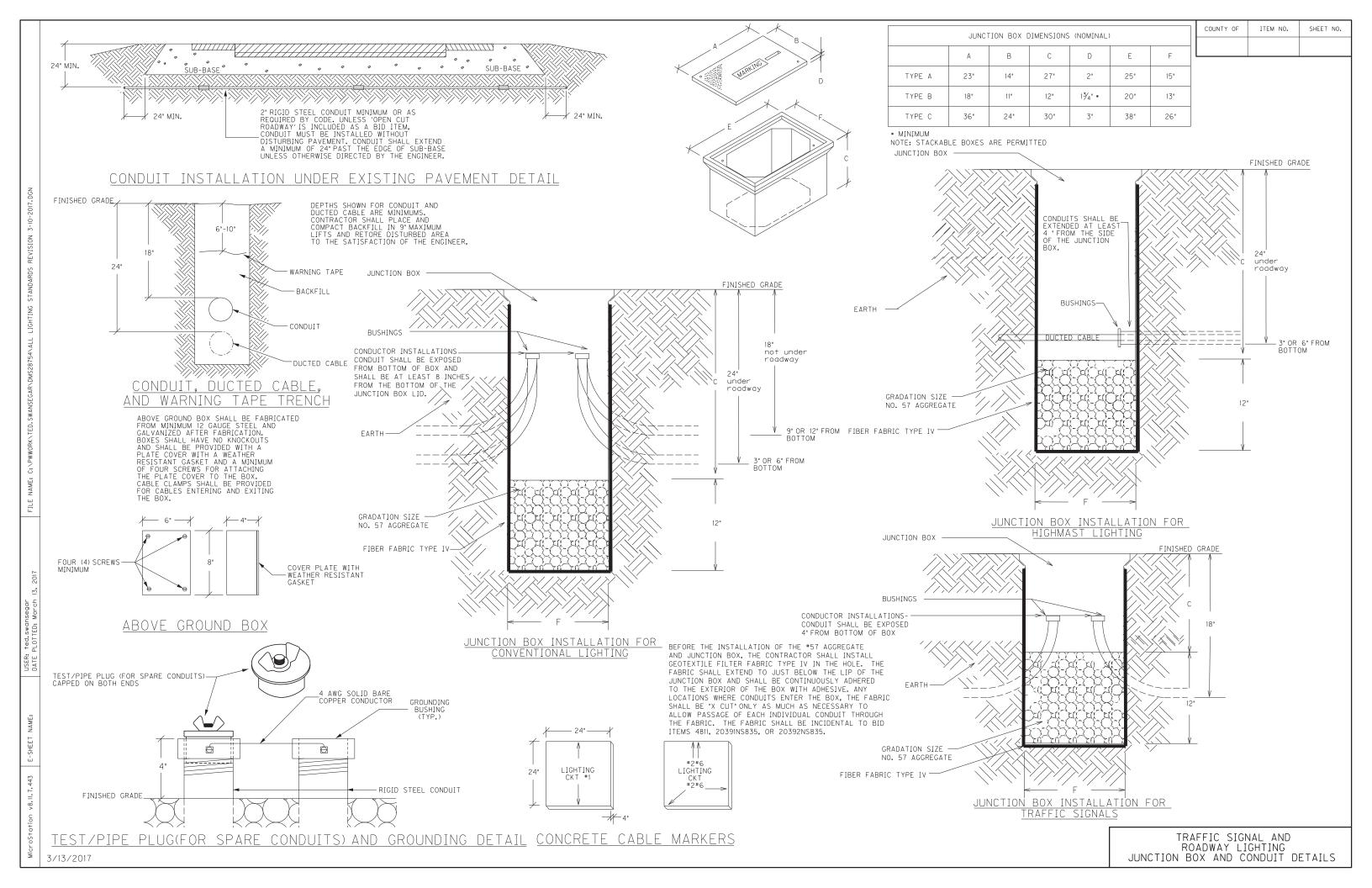
PEDESTRIAN SIGNAL COUNTDOWN DETAIL

8/19/2021

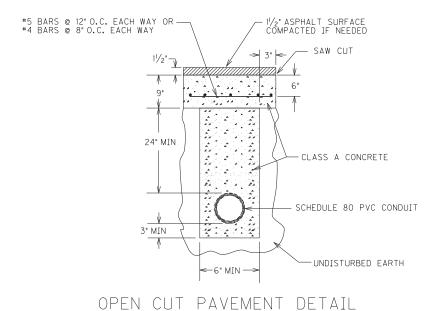


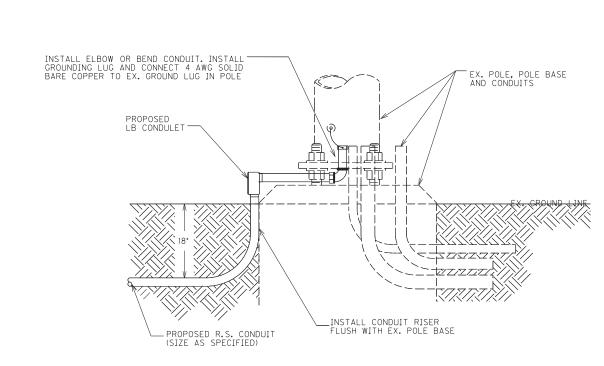




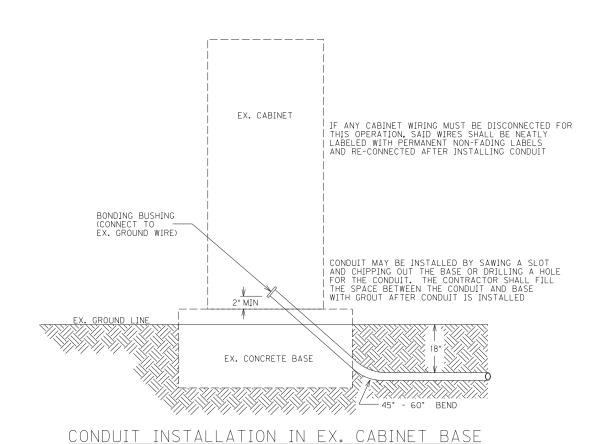


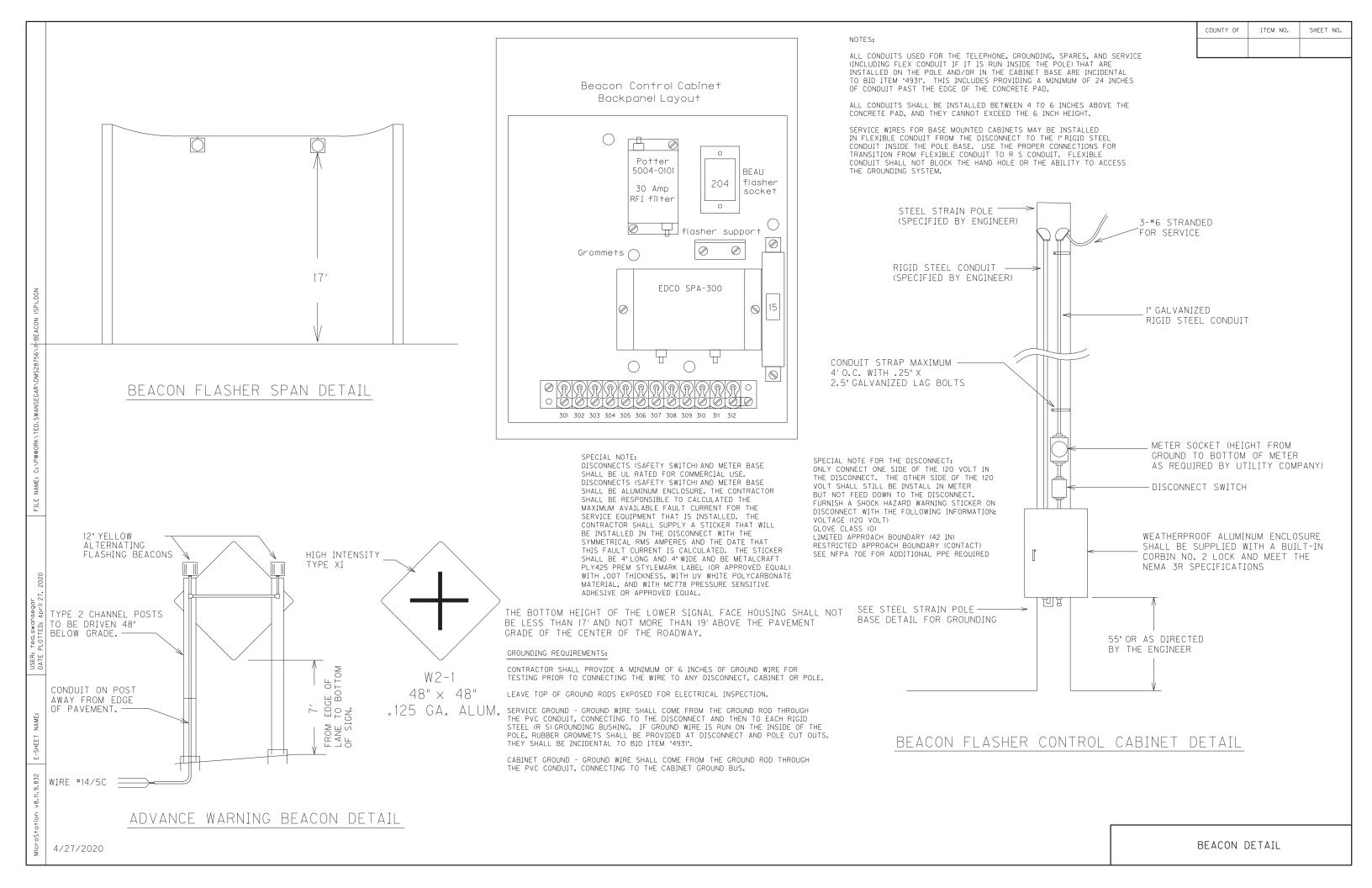
COUNTY OF	ITEM NO.	SHEET NO.





CONDUIT INSTALLATION IN EX. POLE BASE





-GALVANIZED U-BOLTS 12" YELLOW FLASHER BEACONS-SIGN, S5-1

THE BOTTOM HEIGHT OF THE LOWER SIGNAL FACE HOUSING SHALL NOT BE LESS THAN 17 FEET ABOVE THE PAVEMENT GRADE OF THE CENTER OF THE ROADWAY. THE TOP HEIGHT OF THE UPPER SIGNAL FACE HOUSING SHALL NOT BE MORE THAN 26 FEET ABOVE THE PAVEMENT GRADE OF THE CENTER OF THE ROADWAY.

SCHOOL FLASHER SPAN DETAIL

Type XI Fluorescent Yellow Green (see Approved Products List)

DISCONNECTS (SAFETY SWITCH) AND METER BASE SHALL BE UL RATED FOR COMMERCIAL USE. DISCONNECTS (SAFETY SWITCH) AND METER BASE SHALL BE ALUMINUM ENCLOSURE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATED THE MAXIMUM AVAILABLE FAULT CURRENT FOR THE SERVICE EQUIPMENT THAT IS INSTALLED. THE CONTRACTOR SHALL SUPPLY A STICKER THAT WILL BE INSTALLED IN THE DISCONNECT WITH THE SYMMETRICAL RMS AMPERES AND THE DATE THAT THIS FAULT CURRENT IS CALCULATED. THE STICKER SHALL BE 4" LONG AND 4" WIDE AND BE METALCRAFT PLY425 PREM STYLEMARK LABEL (OR APPROVED EQUAL) WITH .007 THICKNESS, WITH UV WHITE POLYCARBONATE MATERIAL, AND WITH MC778 PRESSURE SENSITIVE ADHESIVE OR APPROVED EQUAL.

GROUNDING REQUIREMENTS:

CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO ANY DISCONNECT, CABINET OR POLE.

LEAVE TOP OF GROUND RODS EXPOSED FOR ELECTRICAL INSPECTION.

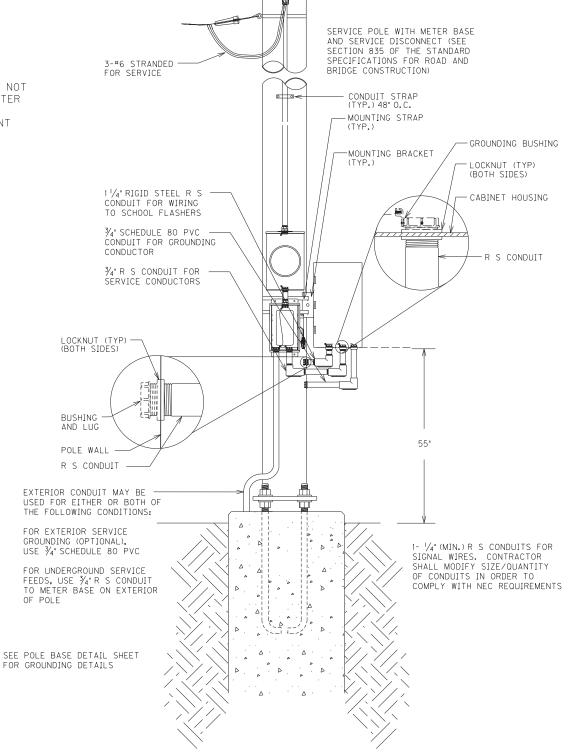
SERVICE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE DISCONNECT AND THEN TO EACH RIGID STEEL (R S) GROUNDING BUSHING. IF GROUND WIRE IS RUN ON THE INSIDE OF THE POLE, RUBBER GROMMETS SHALL BE PROVIDED AT DISCONNECT AND POLE CUT OUTS. THEY SHALL BE INCIDENTAL TO BID ITEM "24526ED".

CABINET GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE CABINET GROUND BUS AND THEN TO EACH R S GROUNDING BUSHING.

NOTES:

ALL CONDUITS USED FOR THE TELEPHONE, GROUNDING, AND SERVICE (INCLUDING FLEX CONDUIT IF IT IS RUN INSIDE THE POLE) THAT ARE INSTALLED ON THE POLE CABINET ARE INCIDENTAL TO BID ITEM "24526ED". THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE CONCRETE PAD.

SPECIAL NOTE FOR THE DISCONNECT:
ONLY CONNECT ONE SIDE OF THE 120 VOLT IN THE DISCONNECT. THE OTHER SIDE OF THE 120 VOLT SHALL STILL BE INSTALL IN METER BUT NOT FEED DOWN TO THE DISCONNECT. FURNISH A SHOCK HAZARD WARNING STICKER ON DISCONNECT WITH THE FOLLOWING INFORMATION: VOLTAGE (120 VOLT) GLOVE CLASS (O) LIMITED APPROACH BOUNDARY (42 IN) RESTRICTED APPROACH BOUNDARY (CONTACT) SEE NFPA 70E FOR ADDITIONAL PPE REQUIRED



STEEL POLE MOUNT ENCLOSURE

Type XI white (see Approved Products List) 24" X 48" or 36" X 72" (see Special Note for size) .125 GA. ALUM

HIGH INTENSITY

Special Note:

Size of sign shall be noted on the plan sheet.

36" X 72" for four or more lanes with normal posted speed of 40 mph or greater. 24" X 48" for all other conditions.

ITEM NO.

SHEET NO.