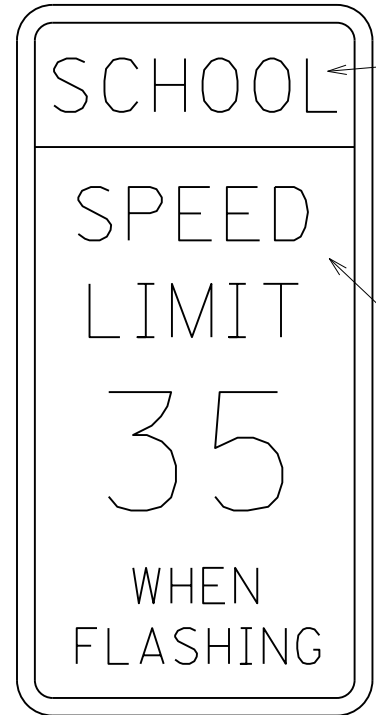


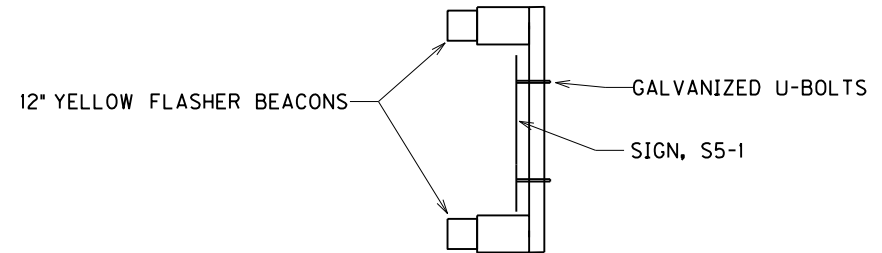
SCHOOL FLASHER SPAN DETAIL



S5-1
24" X 48" or 36" X 72"
(see Special Note for size)
.125 GA. ALUM
HIGH INTENSITY

Type IX Fluorescent Yellow Green
(see Approved Products List)

Type III or IV
white (see Approved
Products List)



12" YELLOW FLASHER BEACONS
GALVANIZED U-BOLTS
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.

SPECIAL NOTE:
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 CALCULATE 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.

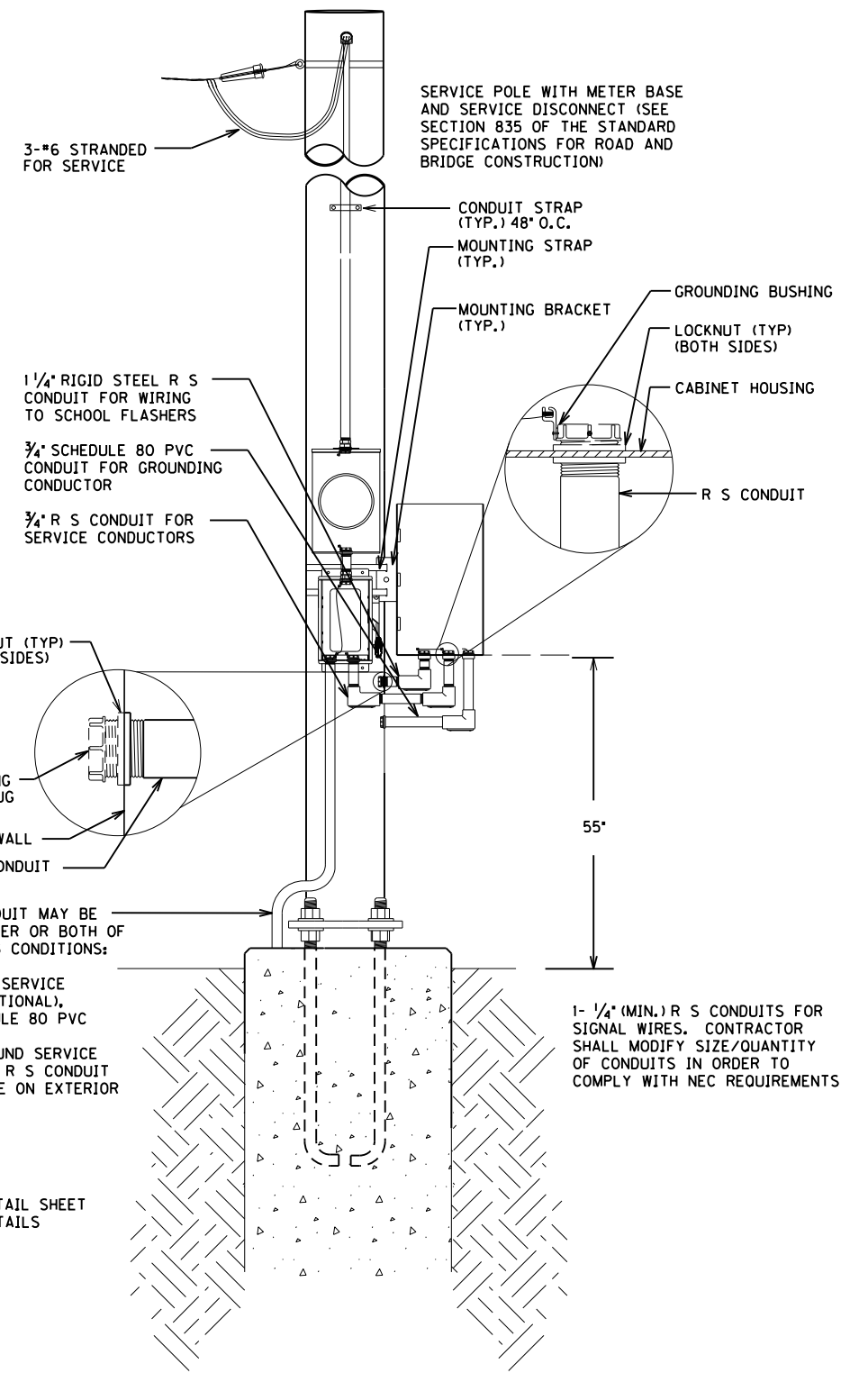
LEAVE TOP OF GROUND RODS EXPOSED FOR ELECTRICAL INSPECTION.

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:
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.



EXTERIOR CONDUIT MAY BE USED FOR EITHER OR BOTH OF THE FOLLOWING CONDITIONS:

FOR EXTERIOR SERVICE GROUNDING (OPTIONAL), USE 3/4" SCHEDULE 80 PVC

FOR UNDERGROUND SERVICE FEEDS, USE 3/4" R S CONDUIT TO METER BASE ON EXTERIOR OF POLE

1- 1/4" (MIN.) R S CONDUITS FOR SIGNAL WIRES. CONTRACTOR SHALL MODIFY SIZE/QUANTITY OF CONDUITS IN ORDER TO COMPLY WITH NEC REQUIREMENTS

SEE POLE BASE DETAIL SHEET FOR GROUNDING DETAILS

STEEL POLE MOUNT ENCLOSURE

FILE NAME: G:\PWORK\TED.SWANSEGAR\0MS28756\12-SCHOOL OVERHEAD (SF).DGN
 USER: ted.swansegar
 DATE PLOTTED: January 30, 2018
 E-SHEET NAME: I005000H
 MicroStation v8.11.7.443
 9/19/2017