SOIL
#4 x 3'-6" (TYP.)
180'-0" MAX.

JUNCTION BOX & PULL BOX (TYP.) FOR SIZE & LOCATION, SEE JUNCTION BOX TABLE *

THREE BEAM OR W-BEAM GUARDRAIL

2 ~ 10' STEEL CONDUITS
END OF BRIDGE OR WALL

CONDUIT DEFLECTION FITTING A, WITH INTERNAL BONDING JUMPER, SEE DETAIL THIS SHEET
2 STEEL CONDUIT TO PVC ADAPTOR IN STATIONARY FORM BARRIER WHERE PVC PIPE INSTALLED IN BARRIER

TRAFFIC BARRIER
CONDUIT EXPANSION FITTING
(TYP. AT EXPANSION JOINT)

* NEMA 4X IN STATIONARY FORM BARRIER, OR NEMA 3R IN SLIP FORM BARRIER. MOUNT JUNCTION BOX SO COVER IS FLUSH WITH BARRIER, CAN BE RECESSED UP TO ½".

NOTE TO DESIGNERS

MODIFY THE FOLLOWING TO MATCH PROJECT REQUIREMENTS:
1. BARRIER END SECTION.
2. REMOVE GUARDRAIL IF NOT CONNECTED TO BRIDGE ITEM.
3. CONDUIT ALIGNMENT

10'-0" STEEL CONDUIT SECTION BETWEEN CONDUIT DEFLECTION FITTING A AND PVC CONDUIT IN STATIONARY FORM BARRIER

STEEL CONDUIT SECTION BETWEEN CONDUIT DEFLECTION FITTING A AND JUNCTION BOX

ELEVATION
CONDUITS & J-BOX IN TRAFFIC BARRIER
LABEL JUNCTION BOX & BARRIER PANEL SIZE & LOCATION, SEE JUNCTION BOX TABLE *

WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL. THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP.

3/½" LONG EXPANDED POLYSTYRENE SLEEVE AROUND CONDUIT. DUCT TAPE BEAMS AND ENDS TO SEAL AND PREVENT CONCRETE FROM BONDING WITH FITTING AND CONDUIT

CONDUIT PIPE SIZED PER WIRING SCHEDULE

JUNCTION BOX SIZE PER ELECTRICAL PLANS, LABEL JUNCTION BOX LIDS AS SHOWN (TYP.)

CONDUIT EXPANSION FITTING - TYPE DX FOR DEFLECTION OF 30° AND ¾" MOVEMENT. PLACE AT CONDUIT PIPE EXIT FROM STRUCTURE AND SHALL BE IN NEUTRAL STATE AFTER INSTALLATION.

CONDUIT DEFLECTION FITTING - TYPE AX FOR MOVEMENT OF ± ½"
AT BRIDGE EXPANSION JOINTS

CONDUIT PIPE 8" x 8" x 18" JUNCTION BOX *

WHERE CONDUIT IN A STRUCTURE IS ROUTED ACROSS A JOINT, WRAP STEEL CONDUIT PIPE FOR 1'-0" ON EACH SIDE OF JOINT. PIPE WRAP TAPE SHALL BE 2" WIDE, 20 MIL. THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP.

3/½" MIN., 6" MAX. (CONDUIT AND THREADS CAST OUTSIDE STRUCTURE)

CONDUIT PIPE BUNDLED 2 R2 #5 OR 2 R9 #5 ADJACENT TO EACH END OF JUNCTION BOX (TYP.)

CONDUIT PIPE - TYPE DX FOR DEFLECTION OF 30° AND ¾" MOVEMENT
CONDUIT PIPES PLACED THROUGH RETAINING WALL TRAFFIC BARRIER SHALL BE FITTED WITH DEFLECTION FITTINGS AT A MAXIMUM SPACING OF 120'. THE DEFLECTION FITTINGS SHALL BE PLACED AT THE TRAFFIC BARRIER OPEN JOINT THAT COINCIDES WITH THE RETAINING WALL EXPANSION JOINT.

CONDUIT EXPANSION FITTING - TYPE B FOR EXPANSION OF ± ½"
AROUND CONDUIT PIPE SEATED IN STATIONARY FORM BARRIER WHERE PVC PIPE INSTALLED IN BARRIER

CONDUIT DEFLECTION FITTING - TYPE A FOR DEFLECTION OF ± ½"
AT STATIONARY BARRIER PANELS

CONDUIT PIPE 2'-0" OR 4'-0" STEEL CONDUIT SECTION BETWEEN CONDUIT DEFLECTION FITTING A AND PVC CONDUIT INSTATIONARY FORM BARRIER

MONTH - SPACE @ 2½" MAX.

CONDUIT EXPANSION FITTING WITH INTERNAL BONDING JUMPER

CONDUIT DEFLECTION FITTING WITH INTERNAL BONDING JUMPER

CONDUIT PIPE - TYPE AX FOR MOVEMENT OF ± ½"
AT TRAFFIC BARRIER OPEN JOINTS

CONDUIT PIPE ¾" POLYSTYRENE FOAM WRAP 1½ TIMES AROUND CONDUIT AND CONDUIT FITTING

¾" POLYSTYRENE FOAM WRAP TAPE SHALL BE 2" WIDE, 20 MIL. THICK, AND INSTALLED WITH A MINIMUM OF 1" OVERLAP.

CONDUIT PIPE - TYPE DX FOR DEFLECTION OF 30° AND ¾" MOVEMENT
CONDUIT PIPES PLACED THROUGH RETAINING WALL TRAFFIC BARRIER SHALL BE FITTED WITH DEFLECTION FITTINGS AT A MAXIMUM SPACING OF 120'. THE DEFLECTION FITTINGS SHALL BE PLACED AT THE TRAFFIC BARRIER OPEN JOINT THAT COINCIDES WITH THE RETAINING WALL EXPANSION JOINT.

CONDUIT PIPE ¾" POLYSTYRENE OR COPPER PIPE DRAIN

CONDUIT PIPE 2'-0" OR 4'-0" STEEL CONDUIT SECTION BETWEEN CONDUIT DEFLECTION FITTING A AND PVC CONDUIT INSTATIONARY FORM BARRIER

CONDUIT PIPE - TYPE AX FOR MOVEMENT OF ± ½"
AT STATIONARY BARRIER PANELS

CONDUIT PIPE - TYPE DX FOR DEFLECTION OF 30° AND ¾" MOVEMENT
CONDUIT PIPES PLACED THROUGH RETAINING WALL TRAFFIC BARRIER SHALL BE FITTED WITH DEFLECTION FITTINGS AT A MAXIMUM SPACING OF 120'. THE DEFLECTION FITTINGS SHALL BE PLACED AT THE TRAFFIC BARRIER OPEN JOINT THAT COINCIDES WITH THE RETAINING WALL EXPANSION JOINT.

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CONDUIT PIPE 2'-0" OR 4'-0" STEEL CONDUIT SECTION BETWEEN CONDUIT DEFLECTION FITTING A AND PVC CONDUIT INSTATIONARY FORM BARRIER

CONDUIT PIPE - TYPE AX FOR MOVEMENT OF ± ½"
AT STATIONARY BARRIER PANELS

CONDUIT PIPE - TYPE DX FOR DEFLECTION OF 30° AND ¾" MOVEMENT
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