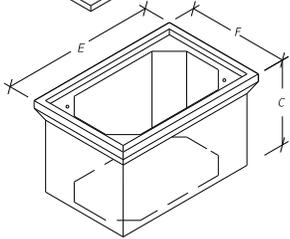


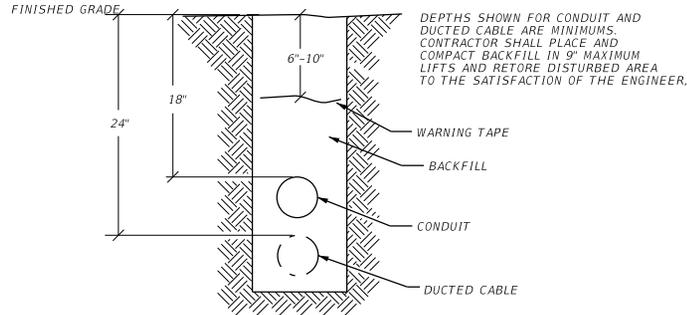
JUNCTION BOX DIMENSIONS (NOMINAL)					
A	B	C	D	E	F
23"	14"	27"	2"	25"	15"



Junction Box shall meet or exceed ANSI/SCTE 77-2002, Tier 15 and shall be installed flush with the finished grade as shown.

Junction box for traffic signal installations shall be marked "Traffic". Junction box for lighting installations shall be marked "Lighting". Covers shall be attached with a minimum of two 3/8" Stainless Steel hex bolts.

Where required, Junction box shall be oriented such that the dimensions comply with the national electric code.



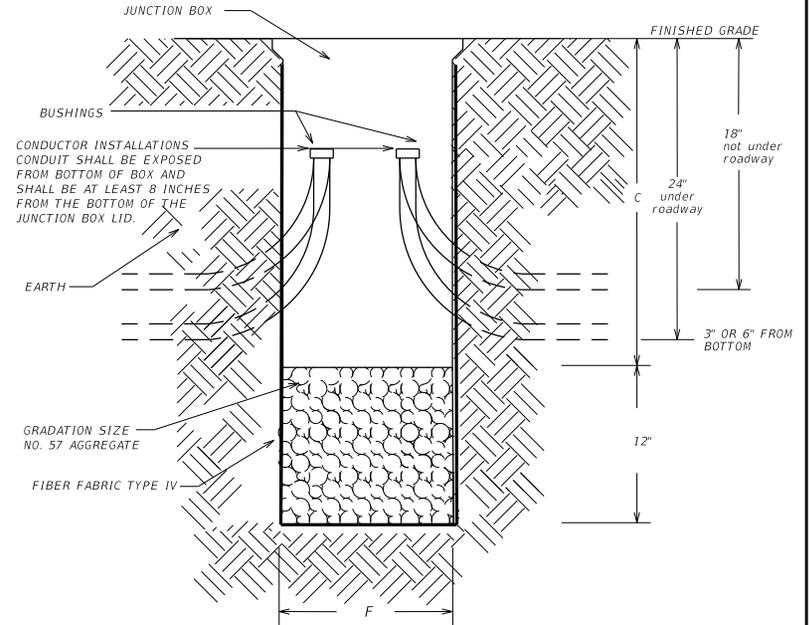
CONDUIT, DUCTED CABLE AND WARNING TAPE TRENCH

GENERAL NOTES

The bid for junction boxes shall include furnishing and installing specified junction box in accordance with the specifications. Junction box, Type A, shall include #57 aggregate as shown on this sheet, backfilling and restoration of disturbed areas to the satisfaction of the resident engineer, and concrete (if required).

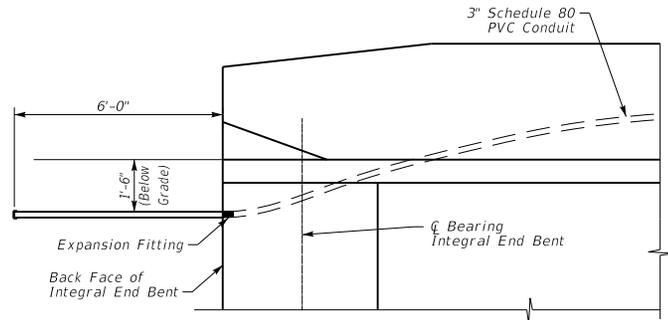
Provide and install conduit caps and sleeve type expansion devices capable of sustaining + 1", 2" total movement at each integral end bent. All conduit shall have copper grounding bushings installed. The cost of the caps, expansion devices, and copper grounding bushings is incidental to the 3" conduit.

The 3" conduit in each barrier is to be schedule 80 PVC and is a separate pay item.

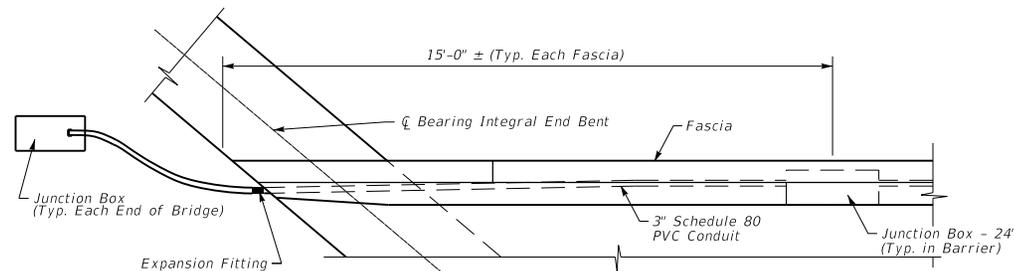


JUNCTION BOX INSTALLATION

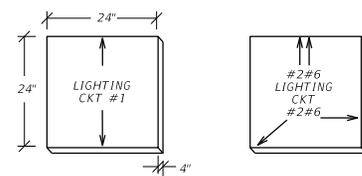
BEFORE THE INSTALLATION OF THE #57 AGGREGATE AND JUNCTION BOX, THE CONTRACTOR SHALL INSTALL GEOTEXTILE FILTER FABRIC TYPE IV IN THE HOLE. THE FABRIC SHALL EXTEND TO JUST BELOW THE LIP OF THE JUNCTION BOX AND SHALL BE CONTINUOUSLY ADHERED TO THE EXTERIOR OF THE BOX WITH ADHESIVE. ANY LOCATIONS WHERE CONDUITS ENTER THE BOX, THE FABRIC SHALL BE "X CUT" ONLY AS MUCH AS NECESSARY TO ALLOW PASSAGE OF EACH INDIVIDUAL CONDUIT THROUGH THE FABRIC. THE FABRIC SHALL BE INCIDENTAL TO BID ITEMS 4811, 20391NS835, OR 20392NS835.



ELEVATION - EXPANSION AND CONDUIT DETAILS



PLAN - EXPANSION AND CONDUIT DETAILS



CONCRETE CABLE MARKERS

KENTUCKY DEPARTMENT OF HIGHWAYS	
JUNCTION BOX TYPE - A	
STANDARD DRAWING NO. BGX-021	
SUBMITTED	02-26-20
<i>Ben Adams</i> DIRECTOR DIVISION OF STRUCTURAL DESIGN	
APPROVED	02-26-20
<i>[Signature]</i> STATE RESIDENT ENGINEER	