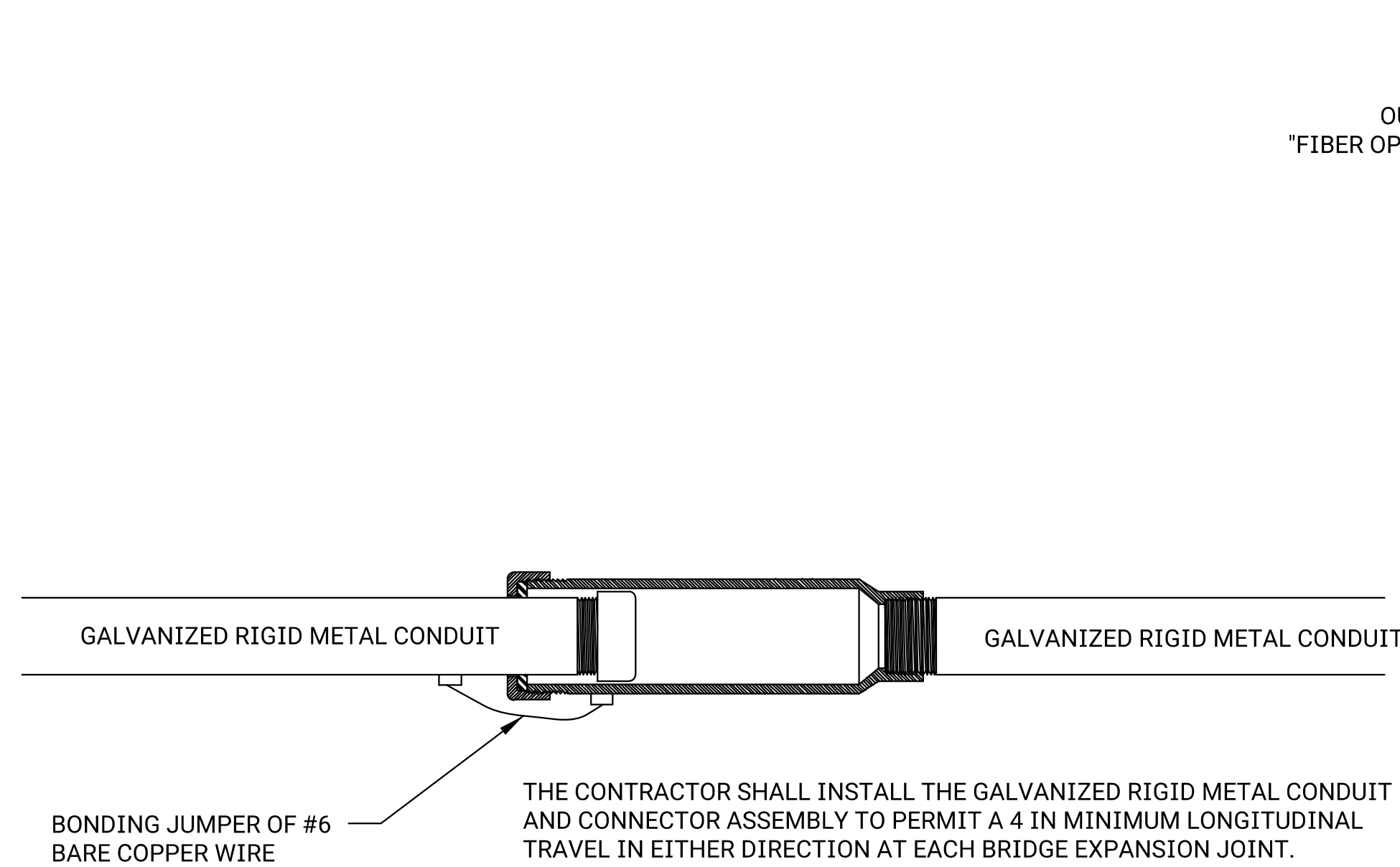
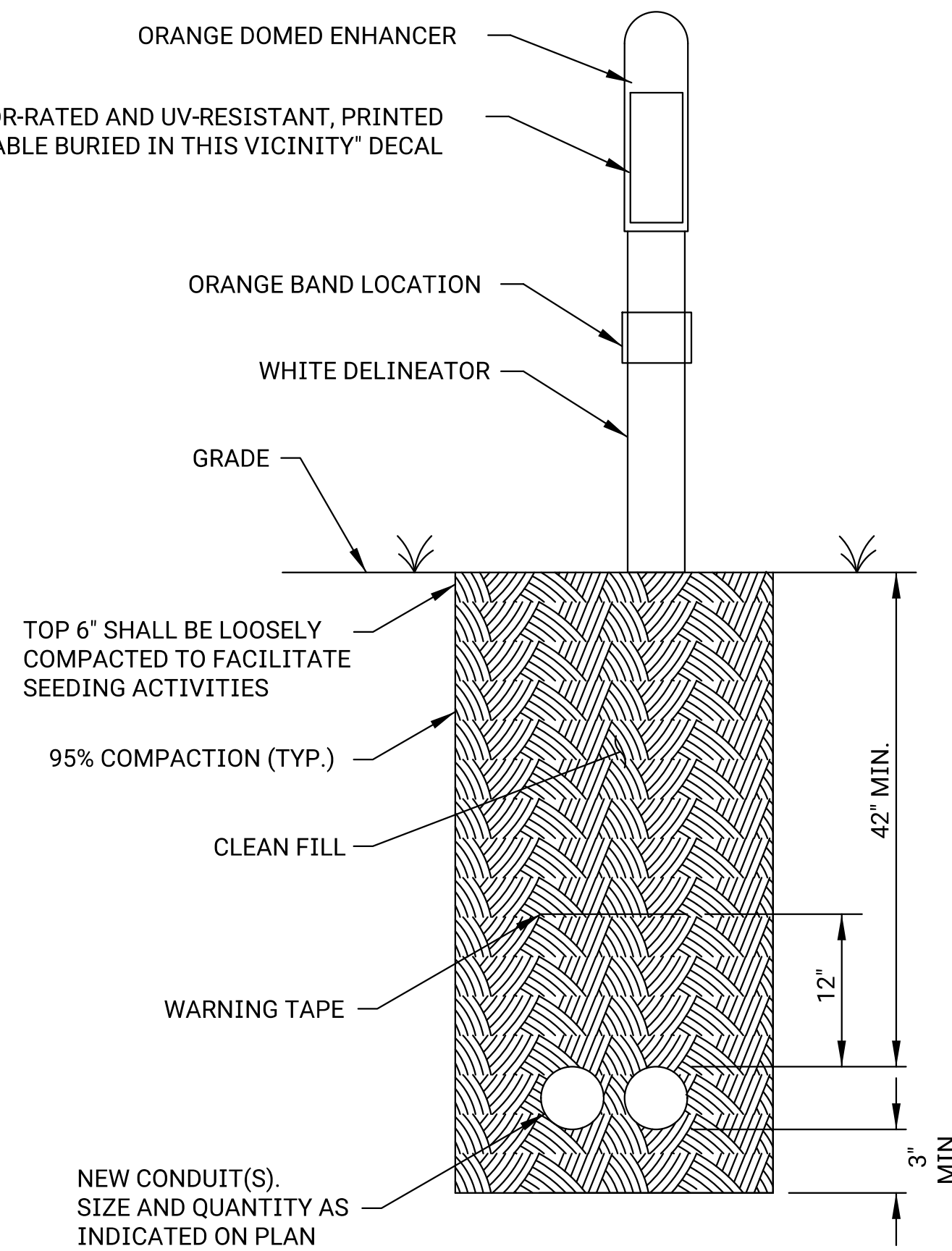


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0720-01	2023	337	517

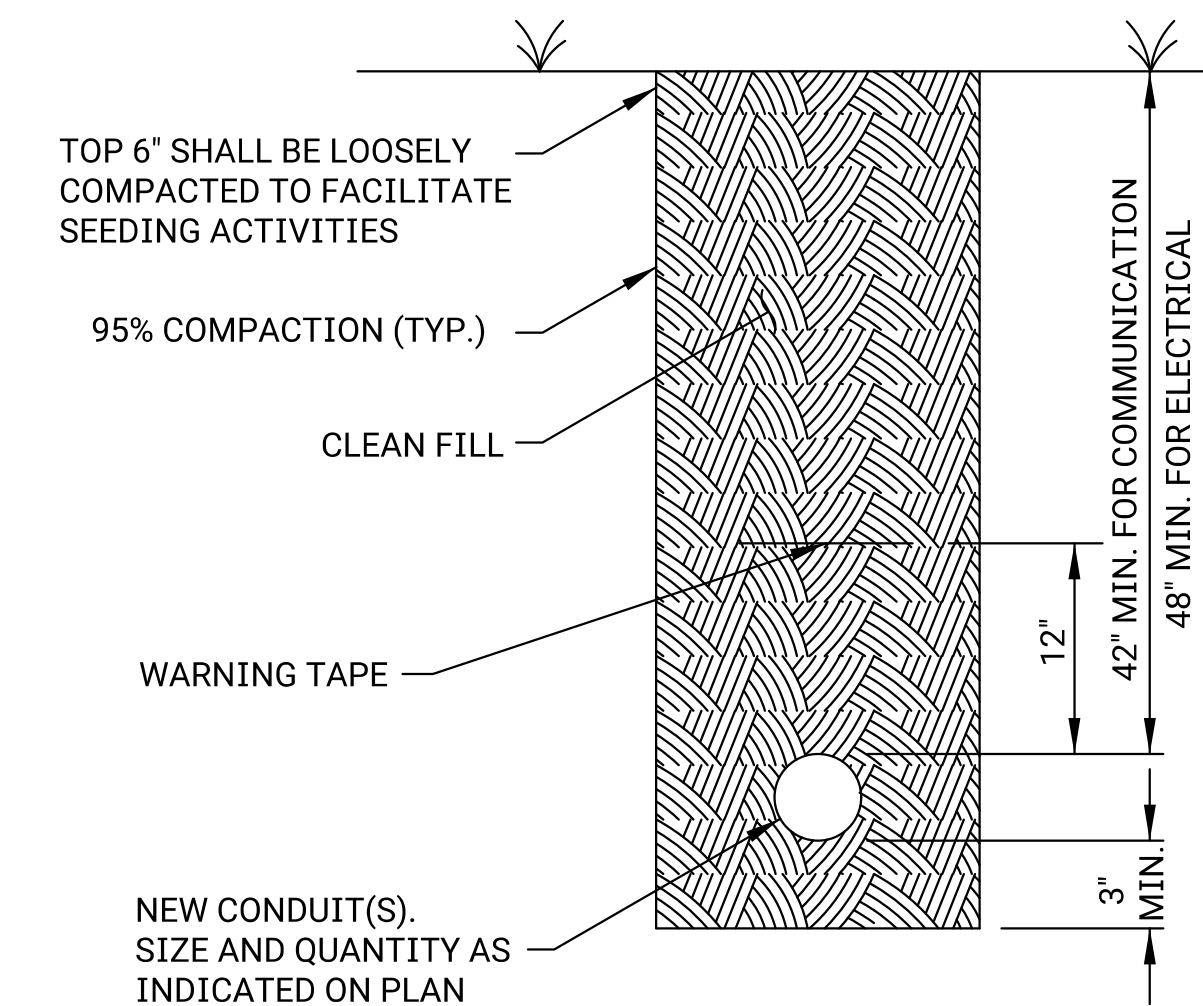


**EXPANSION FITTING**

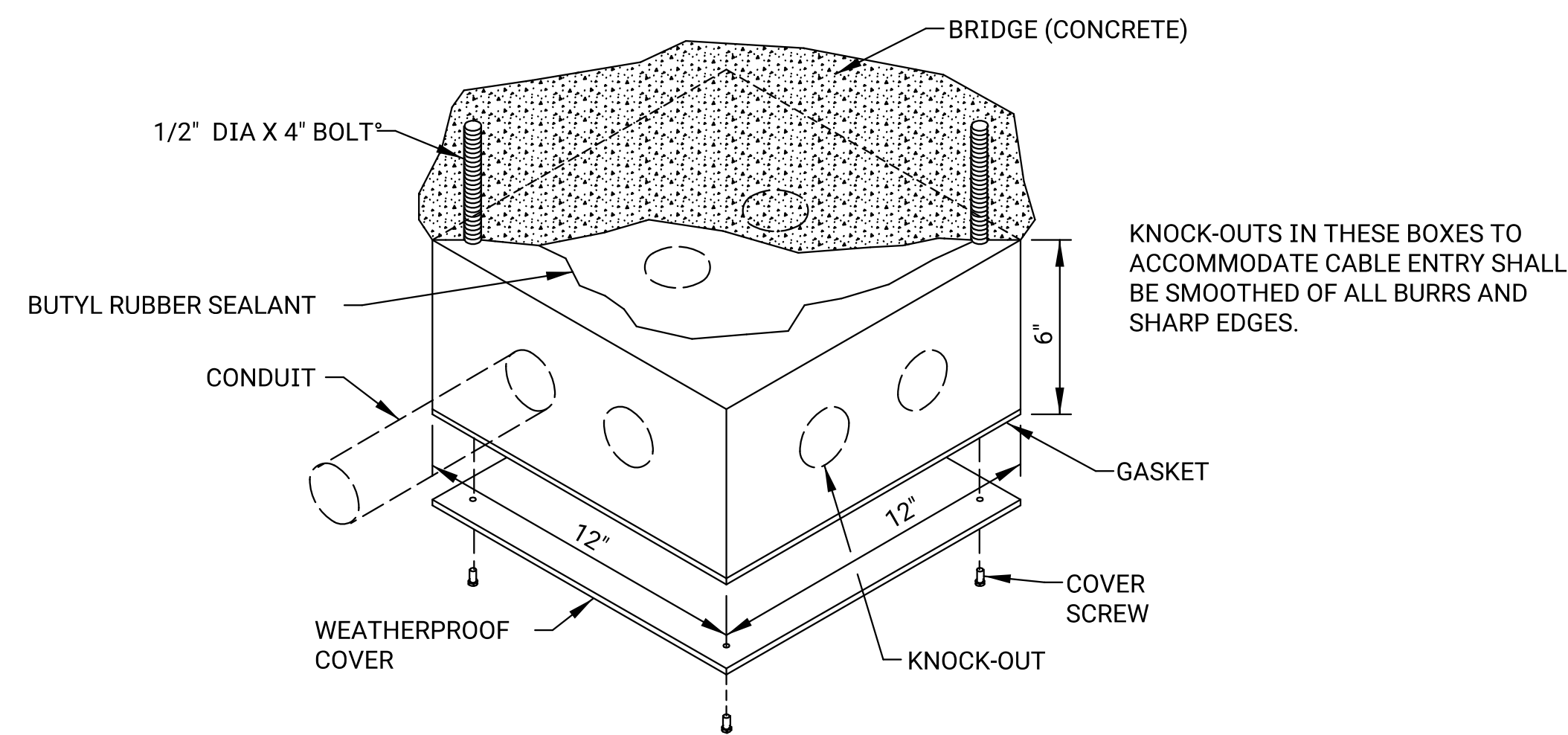


FIBER OPTIC CONDUIT MARKERS TO BE PLACED AT:

- BEGINNING AND END OF BACKBONE/BRANCH CONDUIT RUNS OVER 100 FT
- EVERY 500 FT FOR BACKBONE/BRANCH CONDUIT RUNS ADJACENT TO R/W
- BEGINNING AND END OF CONDUIT RUNS ON STRUCTURE
- AT SPLICE VAULTS (IF NOT A TERMINATION POINT ALREADY)
  - ADD 1 ORANGE BAND TO MARKER IF A SPLICE VAULT WITH SLACK COIL
  - ADD 2 ORANGE BANDS TO MARKER IF A SPLICE VAULT WITH SLACK COIL AND A SPLICE ENCLOSURE
  - ORANGE BAND SHALL BE 3" OUTDOOR-RATED AND UV RESISTANT INDUSTRIAL TAPE OR APPROVED EQUAL

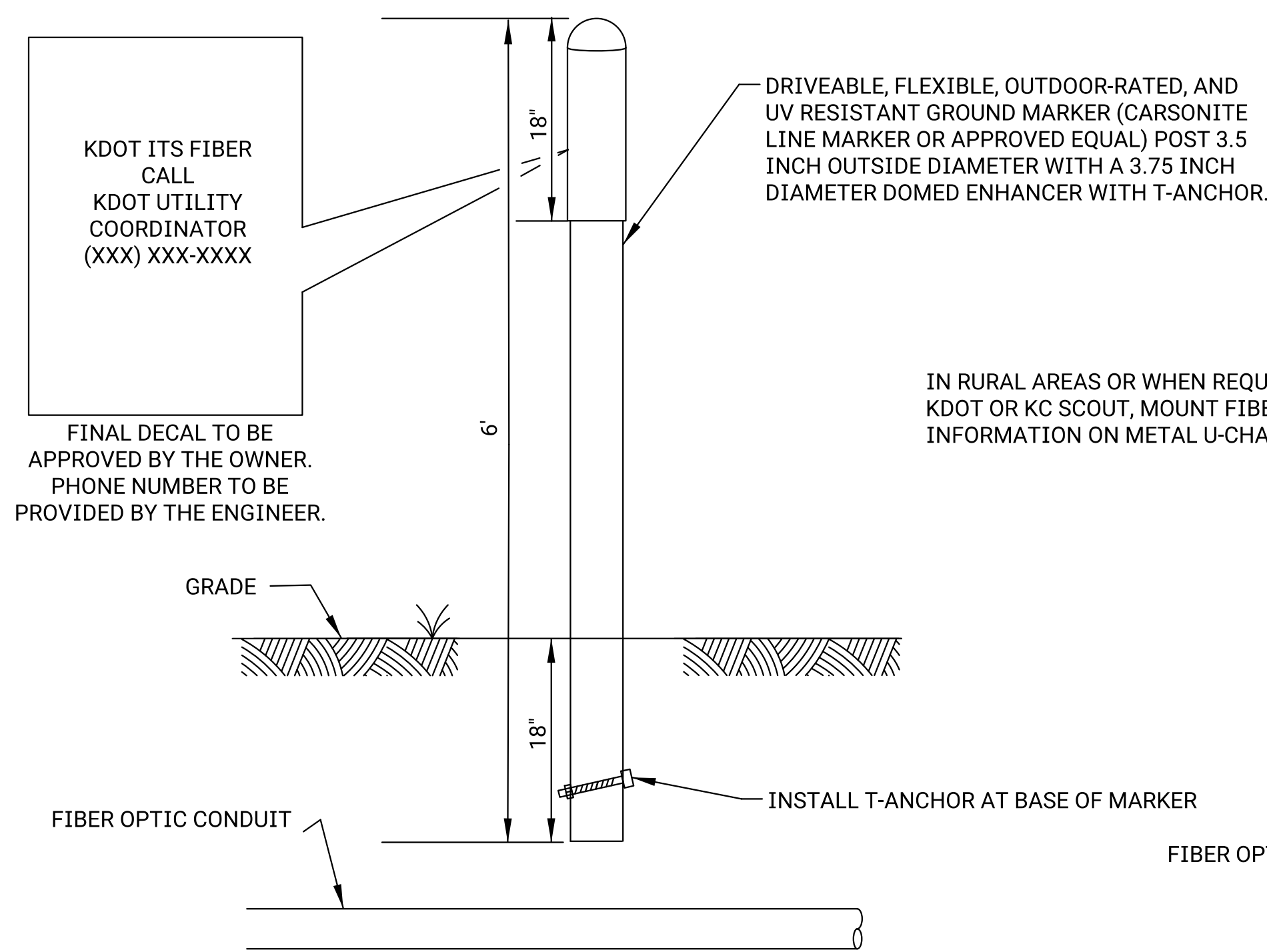


**FIBER OPTIC TRENCH DETAIL**

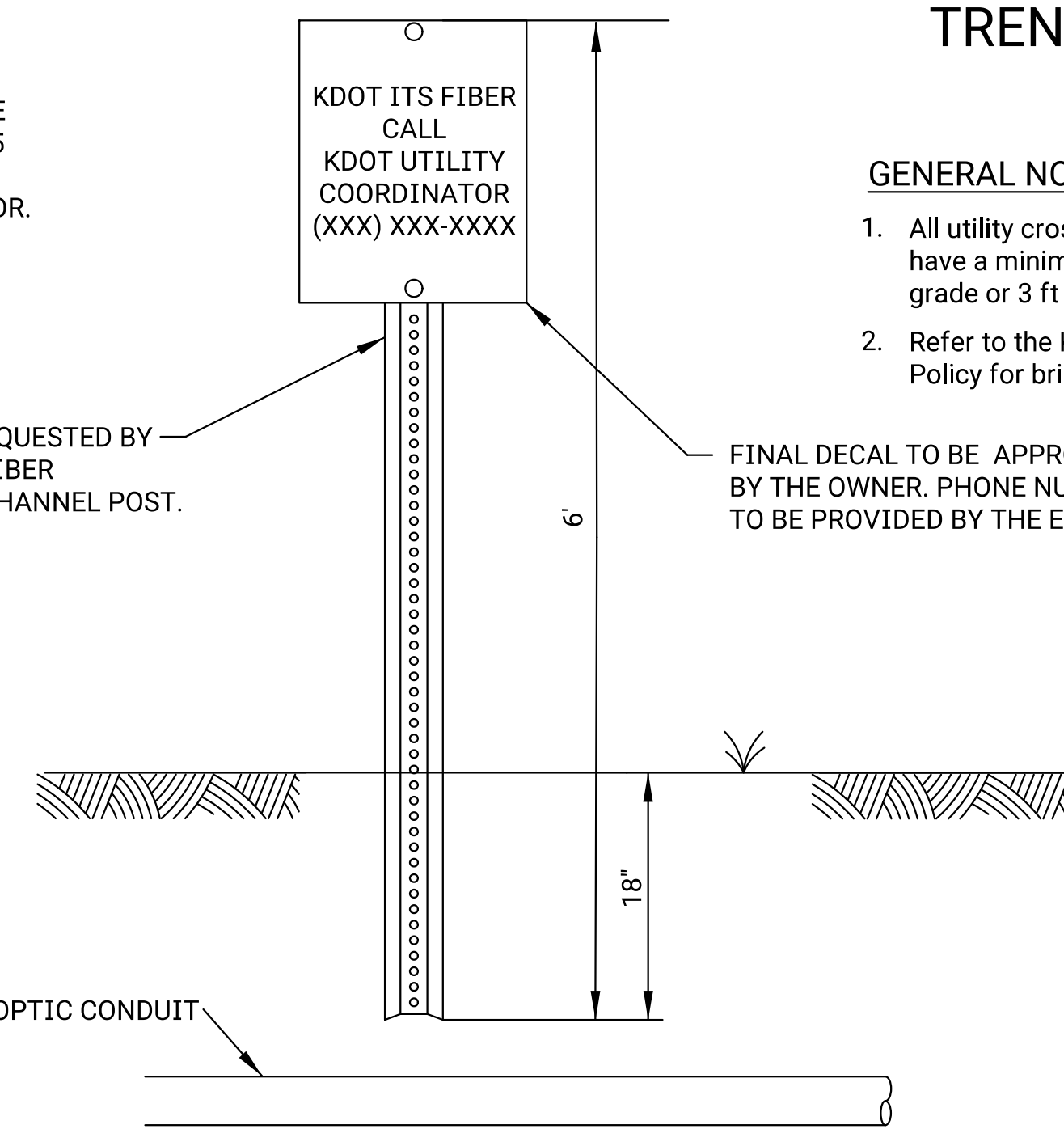


THE JUNCTION BOX IS TO BE ATTACHED TO THE BRIDGE. THE CONTRACTOR SHALL DRILL TWO HOLES IN THE BOTTOM OF THE BOX AND BOLT THE JUNCTION BOX TO THE BRIDGE AT THE INSERTS PROVIDED. BOLTS SHALL BE 1/2 IN DIA. BY 4 IN LONG AND SHALL CONFORM TO ASTM F3125. A WASHER SHALL BE INSTALLED BETWEEN THE BOLT HEAD AND BOTTOM OF THE BOX.

**ABOVE GROUND JUNCTION BOX**



**FIBER OPTIC CONDUIT ABOVE GROUND DELINEATOR DETAIL**



**FIBER OPTIC CONDUIT ABOVE GROUND DELINEATOR DETAIL RURAL ALTERNATIVE**

**TRENCH DETAIL (NON FIBER)**

**GENERAL NOTES:**

- All utility crossings under roadway should have a minimum of 5 ft of cover below crown grade or 3 ft cover below ditch grade.
- Refer to the KDOT Utility Accommodation Policy for bridge attachment details.

Plotted : 25-SEP-2023 18:44

Drawn By : jcvohs  
File : ITS-D10.dgn

NO.	DATE	REVISIONS	BY	APPD

**KANSAS DEPARTMENT OF TRANSPORTATION**  
**CONDUIT STRUCTURAL**  
**ATTACHMENT AND**  
**TRENCH DETAILS**

ITS-D10      VERSION DATE: 08-23-2021

APPD	DESIGNED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.