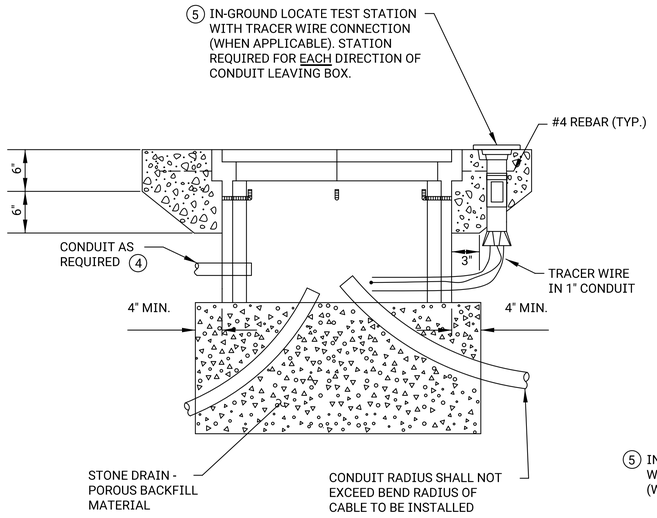
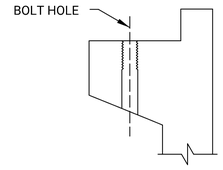
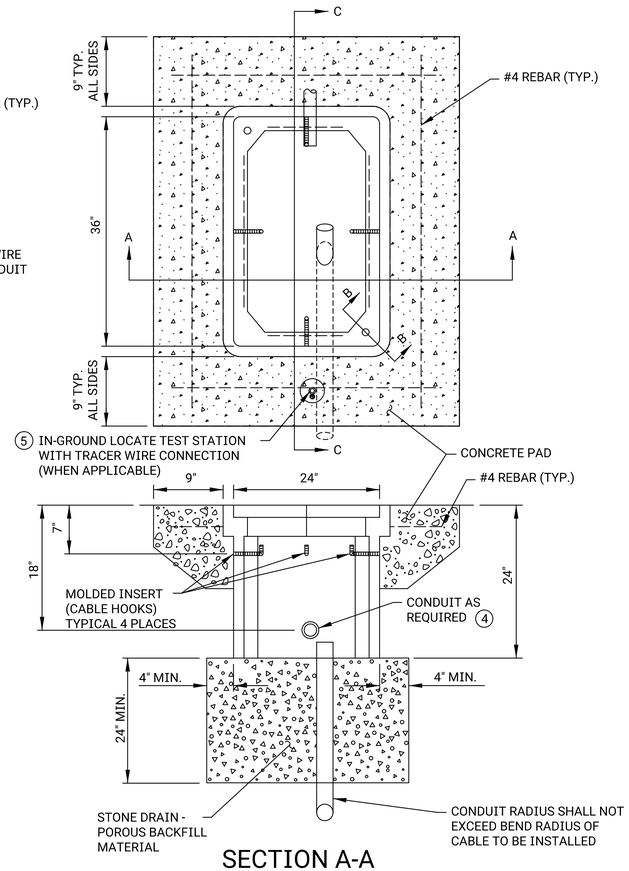
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0720-01	2023	335	517



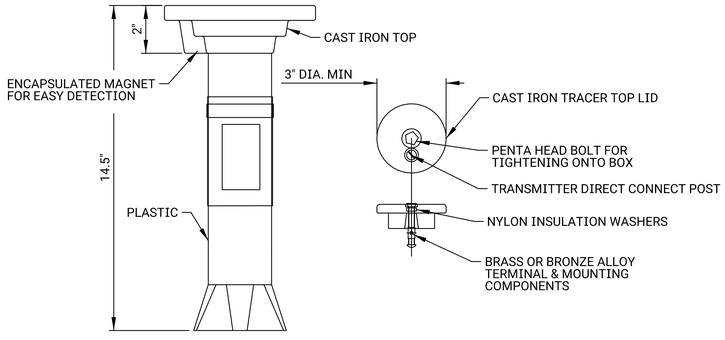
SECTION C-C



SECTION B-B
TYPICAL BOLT CLEANOUT

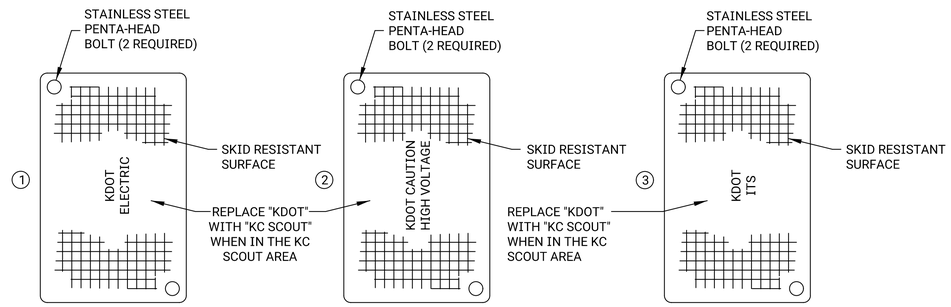


SECTION A-A



IN-GROUND LOCATE TEST STATION DETAIL FOR COMMUNICATION PULL BOXES ONLY

1. TRACER WIRE SINGLE TERMINAL SHALL BE SOLID BRASS OR BRONZE ALLOY & ACCESSIBLE FROM THE TOP OF LID WITHOUT REQUIRING LID REMOVAL.
2. TRACER LID SHALL BE ORANGE AND INCLUDE A CAST-IRON FLANGE FOR LOW TRAFFIC.



PREFORMED PULL BOX COVER

NOTES:

1. Pull boxes with 120/240V conductors shall have 5" x 11" cast-in, stamped concrete labels with "KDOT/ELECTRIC". Text shall be 2 in high and centered. Maintain adequate letter width and spacing.
2. Pull boxes with 480V conductors shall have 5" x 11" cast-in, stamped concrete labels with "KDOT CAUTION/HIGH VOLTAGE". Text shall be 2 in high and centered. Maintain adequate letter width and spacing.
3. Pull boxes with loop lead-in cables, detector cables, communication cables, or DMS cables shall have 5" x 11" cast-in, stamped concrete labels with "KDOT/ITS". Text shall be 2 in high and centered. Maintain adequate letter width and spacing.
4. All metal conduits shall be electrically bonded by a ground bushing and No. 4 bare copper wire.
5. All KDOT ITS Communication Pull Boxes must include an in-ground locate test station(s). Locate stations are required for each direction of conduit leaving the pull box. Test stations must be located on the same side as conduits is exiting pull box. Match test station color to the color of the related conduit. Test stations are incidental to pull boxes.

GENERAL NOTES:

1. All dimensions shown are in inches unless otherwise noted.
2. Preformed box walls may be either flared or vertical.
3. At the Engineer's discretion, bury electrical pull boxes six inches below grade. Concrete pad is not required when electrical pull box is buried.
4. If an extension is used with a preformed box, the lip of the extension may be interior or exterior. The extension shall be compatible and from the same manufacturer.
5. Conduit shall enter the pull box from the side of the box or from the bottom. If using side entry conduit, ensure bend radius of cable is not exceeded when pulling cable.
6. Side entry conduit shall only be used for RMC, bridge conduit transition, or short splice vault / pull box connections.
7. Pull box and cover shall be rated for a minimum loading of tier 22 per ANSI/SCTE 77, current edition.
8. Stone drain material shall conform to the standard specifications and shall be clean aggregate.
9. Provide KDOT with one stainless steel penta-head socket and pull box lifting hook for every 20 pull boxes installed.
10. Substitute "KC SCOUT" for "KDOT" when installations are in KC Scout area.
11. Conduit must enter pull box on the same side as its approach run.
12. All communications pull boxes must have a locate testing station.

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

ITS PULL BOX DETAILS

~~ITS-D07~~ VERSION DATE: 08-23-21

APP'D			
DESIGNED	DETAILED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.

KDOT Graphics Certified 05-02-2022

KDOT Graphics Certified

Plotted : 25-SEP-2023 18:44
Drawn By : lcvohs
File : ITS-D07.dgn