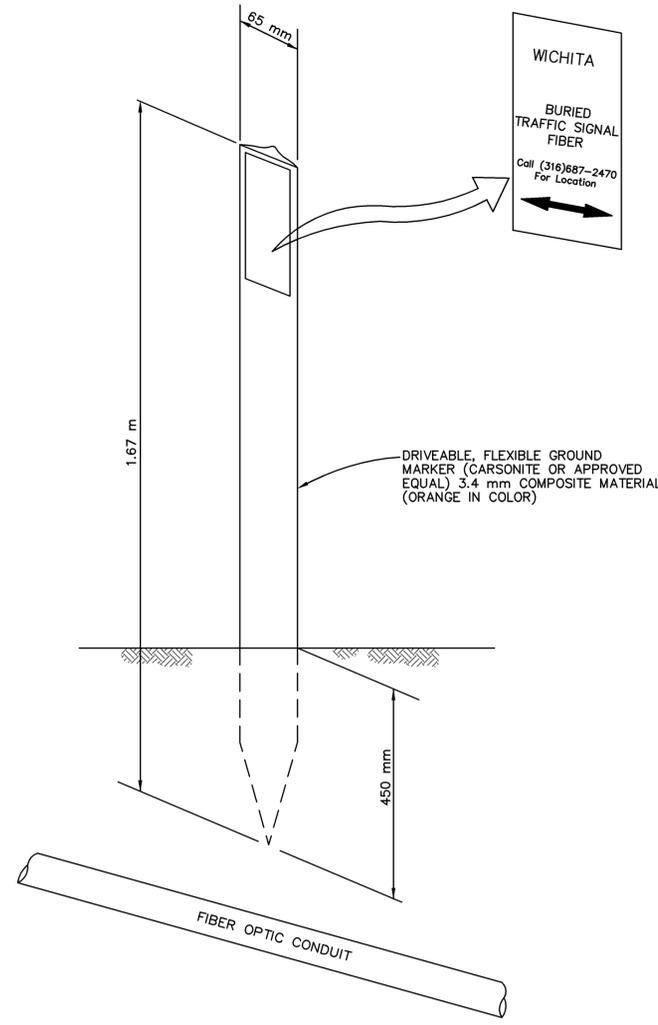
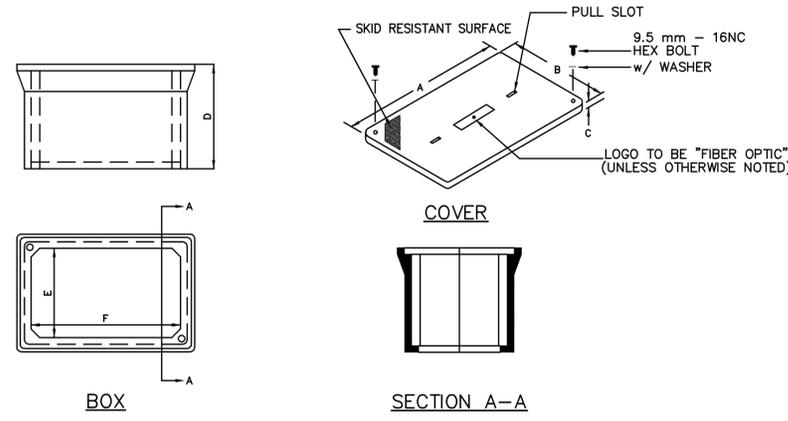


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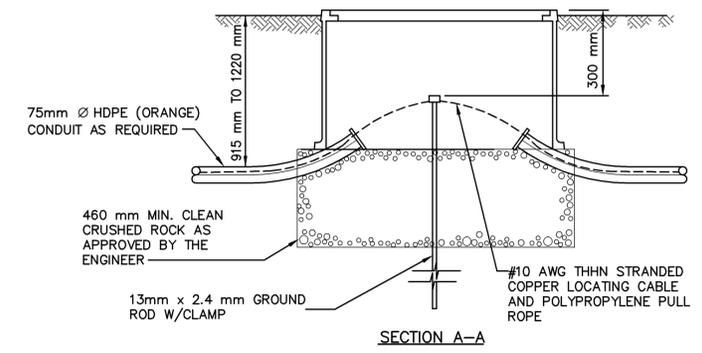
FIBER OPTIC CONDUIT GROUND MARKER DETAIL



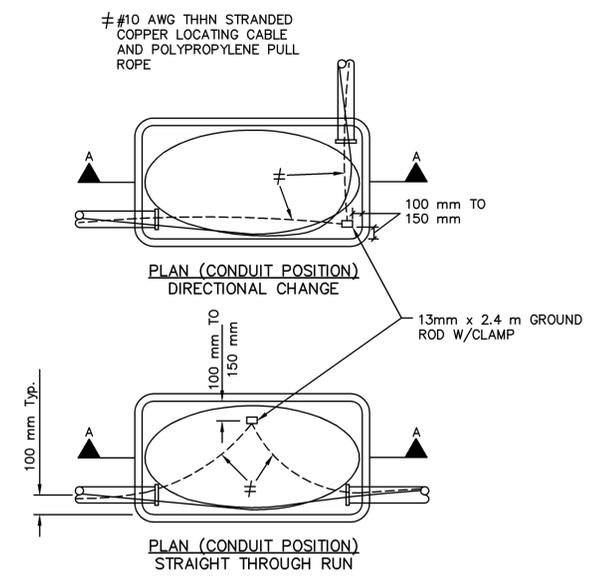
NOTES:

- BOXES SHALL BE STACKABLE FOR EXTRA DEPTH.
- BOXES AND COVERS SHALL BE RATED FOR NO LESS THAN 3628 KILOGRAMS OVER A 254 mm x 254 mm AREA.

UNITS	DIMENSION					
	A	B	C	D	E	F
mm	905	610	75	610	565	860



FIBERGLASS REINFORCED POLYMER CONCRETE FIBER OPTIC SERVICE BOX DETAILS
NOT TO SCALE



SERVICE BOX NOTE:
SERVICE BOX MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES:

COMPRESSIVE STRENGTH - 75.8 M Pa ASTM C-109
TENSILE STRENGTH - 11.7 M Pa ASTM C-496
FLEXURAL STRENGTH - 51.7 M Pa ASTM D-790

SIGNAL INTERCONNECT NOTES:

- THE CONDUIT SHALL ENTER AND EXIT THE SERVICE BOX BETWEEN 915 mm AND 1220 mm AND SHALL BE 102 mm CENTERED ON THE EDGE OF THE SERVICE BOX WALL. THE FIBER CABLE SHALL AT NO TIME HAVE LESS THAN AN 205 mm RADIUS BEND.
- 460 mm MIN. LAYER OF 13 mm CLEAN CRUSHED ROCK SHALL BE CONSTRUCTED BELOW THE SERVICE BOX FOR DRAINAGE PURPOSES.

CONDUIT NOTE:

- CONDUIT MATERIAL SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 40 UNLESS OTHERWISE INDICATED.
- THE CONDUIT SHALL BE 75 mm IN DIAMETER.
- THE CONDUIT SHALL BE SMOOTH WALLED INSIDE AND OUT AND BE ORANGE IN COLOR.
- A POLYPROPYLENE PULL ROPE AND A #10 AWG THHN STRANDED COPPER LOCATING CABLE SHALL BE LOCATED IN THE CONDUIT.
- THE CONDUIT LOCATION SHALL BE MARKED WITH AN ABOVE GROUND MARKER (SEE DETAIL THIS SHEET). MARKERS SHALL BE PLACED MIDPOINT BETWEEN ADJACENT FIBER OPTIC SERVICE BOXES AND/OR SUCH THAT THE SPACINGS ARE APPROXIMATELY 152 m BETWEEN MARKERS.

Drawn by: SCALE
Plot/test: