

I. MATERIALS

THIS SPECIFICATION DEFINES THE 13" X 24" X 18" PULL BOX WITH COVER.

BOX DEPTH SHALL BE 18 INCHES. THE SIDES SHALL BE STRAIGHT WALLED OR TAPERED INWARDS TOWARDS THE TOP FOR STABILITY. BOX SHALL BE PROVIDED WITH A BOTTOM FLANGE AT LEAST 1-1/4 INCHES WIDE TO PREVENT SETTLING IN FIRM SOIL WHEN SUBJECTED TO SPECIFIED LOADS. TOP REGION OF THE BOX SHALL BE CONFIGURED TO PROVIDE "KEYING IN" TO LOCK THE BOX IN CONCRETE OR BLACKTOP WHEN INSTALLED IN DRIVEWAYS, SIDEWALKS, ETC.

THE LID SHALL BE INTERCHANGEABLE AND SHALL FIT IN ANY BOX BUILT TO THIS SPECIFICATION. LID SHALL BE FASTENED TO THE BOX WITH TWO 1/2"-13 NC STAINLESS STEEL PENTAHEAD BOLTS. THE BOX MAY HAVE A "SELF-LOCATING" OR "FLOATING" NUT MADE OF STAINLESS STEEL AND SHALL BE REPLACEABLE. COVER SURFACE SHALL BE SKID RESISTANT AND SHALL HAVE A MINIMUM COEFFICIENT OF FRICTION OF 0.50.

KNOCKOUTS SHALL BE EASILY REMOVABLE AND LEAVE A SMOOTH EDGE. IF KNOCK-OUTS MUST BE MADE IN THE FIELD, IT SHOULD BE POSSIBLE TO DO SO WITH A SIMPLE TOOL SUCH AS A WOOD HOLE CUTTING SAW.

COVER AND BOX SHALL HAVE A RATING OF H-10 (INCIDENTAL TRAFFIC) AS DETERMINED BY AASHTO (AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS) AND MEET WESTERN UNDERGROUND COMMITTEE STANDARDS, GUIDE 3.6 (W.U.C. 3.6). SHOULD HAVE A MINIMUM VERTICAL TEST LOAD OF 22,500# OVER A 10"X10" AREA, AND BE SO IDENTIFIED ON THE SURFACE ACCORDANCE WITH TIER 15 OF THE ANSI/SCTE 77 2002 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" STANDARD

IN ORDER TO MEET THE ABOVE REQUIREMENTS FOR HIGH STRENGTH AND LOW WEIGHT, THE PULL BOX SHALL BE MADE OF HDP (HIGH DENSITY POLYMER) AND FRP (FIBERGLASS REINFORCED POLYESTER). MINIMUM COMPRESSIVE STRENGTH STRENGTH OF 20,000 P.S.I. AND SHEET MOLDING SMC FIBERGLASS. BOXES SHALL BE MADE WITH A CLOSED STEEL COMPRESSION MOLDING PROCESS FOR GUARANTEED GEOMETRICS AND DIMENSIONS.

WEIGHT SHALL BE LIMITED TO NOT MORE THAN 50 LBS. FOR THE BOX, AND 35 LBS. FOR THE COVER. THE COVER SHALL BE MADE OF HDP AND A COMBINATION OF FRP WITH A THICKNESS OF 2 INCHES. IDENTIFICATION "ELECTRIC" SHALL BE PERMANENTLY MOLDED ON THE TOP SURFACE OF THE PULL BOX COVER. IDENTIFICATION OF THE MANUFACTURER, THE PART NUMBER AND YEAR OF MANUFACTURE SHALL BE INCLUDED.

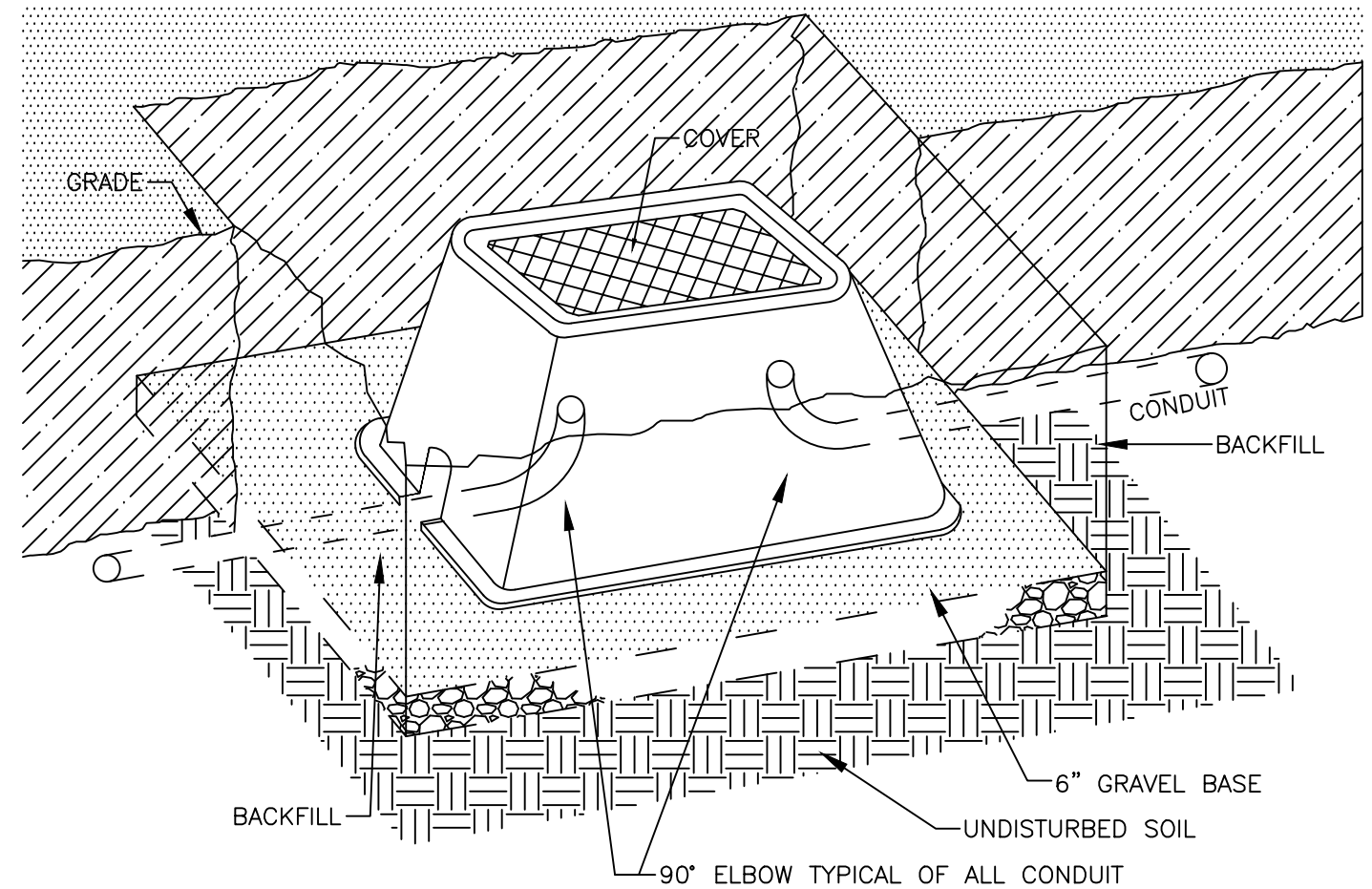
PULL BOX TO BE APPROVED EQUAL IN QUALITY, DESIGN AND PERFORMANCE TO CDR SYSTEM CORPORATION PA10-1324-18 AND SYNERTECH MOLDED PRODUCTS INC. PART # S1324B18AA (COVER #S1324HBB0A02, PENTAHEAD BOLTS #1005), QUAZITE 13" X 24" PG STYLE (COVER #PG1324HA00, BOX #PG1324BA18), CARSON H SERIES 1324 (COVER #H1324-P1, BOX #H1324-18), HIGHLINE-(BOX# PHB132413, COVER# PHC1324HE1)

II. INSTALLATION

PULL BOXES SHALL BE INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS MIS-4 AND INDICATED IN THE FIELD BY THE ENGINEER. THE PULL BOX SHALL BE SUPPORTED BY A MINIMUM OF 6" DEEP GRAVEL BASE. THE GRAVEL BASE SHALL BE WIDER THAN THE SIDEWALLS OF THE ENCLOSURE. COMPACT BACKFILLS IN LAYERS NOT EXCEEDING 4" USING A MECHANICAL TAMPING DEVICE. THE CONTRACTOR SHALL ENSURE THAT THE PAVEMENT AND SIDEWALKS ARE TO GRADE LEVEL AND IN GRASS/LAWN AREAS THE PULL BOX SHALL BE SET 1-1/2" ABOVE GRADE. THE EXCESS EARTH SHALL BE HAULED AWAY FROM THE SITE.

III. BASIS OF PAYMENT

ITEM	UNIT	DESCRIPTION
MIS-54	EACH	PULL BOX, 13"X24"



NOTES:

THE BACKFILL SHALL BE POWER TAMPED IN LAYERS NOT EXCEEDING 4 INCHES IN THICKNESS LOOSE MEASUREMENTS COMPLYING WITH SOIL DENSITY COMPACTION REUQUIREMENTS UNDER SECTION 203.12 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS.

A 6" GRAVEL BASE SHALL BE PROVIDED BELOW THE PULLBOX.

MIS-54	DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER CITY OF COLUMBUS, OHIO		
	PULL BOX, 13"X24"		
	DRAWN BY: BEN	DATE: 1/1/2018	
	APPROVED: <i>[Signature]</i>		
SCALE: NONE	SHEET: 1 OF 1	54	