Evaluation Table:

PEP ID:	732 Heavy Duty (HD) Pull Box
Manufacturer:	
Product Name:	

ADOT Specifications: 732-2.03, Standard Drawing T.S. 1-2

Product Property	**Specification/ Test Method**	**Requirement**			**Results**	**Pass/ Fail**
Concrete	732-2.03	Portland cement concrete shall conform to the requirements of Section 1006 of the specifications for Class B concrete.			See below	
Class B Concrete	1006-3.01 ASTM C39	Minimum 28-Day Compressive Strength Required (ASTM C39)	2,500 psi			
		Hydraulic Cement Content	470-658 lbs. per cubic yd.			
Dimensions	732-2.03 T.S. 1-2	The heavy duty (HD) pull box bodies and lids shall conform to the applicable Western Underground Committee (WUC) Guide Version 3.6/02/0588 Appendix A dimension requirements unless specified otherwise.			See below	
Pull Box Dimensions	732-2.03 T.S. 1-2	ADOT Designation (WUC 3.6 Nominal Size Designation)	No. 5 HD Pull Box (Standard: 13” x 24” Alternative: 13” x 24” x 18” or 24”)	No. 7 HD Pull Box (Standard: 17” x 30” Alternative: 17” x 30” x 18” or 24”)		
		Lid Length	23.25”	30.5”		
		Lid Width	13.75”	17.5”		
		Lid Thickness	2”	2”		
		Box Length (at top)	23.5”	30.75”		
		Box Width (at top)	14”	17.75”		
		Box Depth	Standard – 12” Alternative – 18” or 24”	Standard – 12” Alternative – 18” or 24”		
Pull Box Body	T.S. 1-2	HD box shall have a straight wall body.				

Product Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
SCTE Compliance	T.S. 1-2 ANSI/SCTE 77	The HD box body and lid shall, at a minimum, conform to all the applicable requirements of the most current version of the Society of Cable Telecommunications Engineers (SCTE) "Specification for Underground Enclosure Integrity" ANSI/SCTE 77.		
Chemical Resistance	T.S. 1-2	In addition to chemical-resistant requirements, the box body and lid shall also be resistant to a 5% solution of magnesium chloride.		
Pull Box Rating	T.S. 1-2 ANSI/SCTE 77	The box and lid shall have an ANSI/SCTE 77 Tier 22 load rating.		
Pull Box Lid	T.S. 1-2	The fit of the lid shall be that the lid does not project above or lie below the surface of the pull box body lip. Lids and box body have an allowable tolerance of 1/8" based on the nominal dimensions. Lids shall be interchangeable regardless of the manufacturers.		
Manufacturer Designation	T.S. 1-2	The box body and lid shall be marked or labeled in a manner that confirms their compliance to ANSI/SCTE 77 requirements and also identifies the manufacturer, model number, brand name and size.		
Pull Box Safety	T.S. 1-2	The logos, lift slots, hold-down bolts and interface between the lid and body shall not present a tripping or high-heel hazard.		
Marking and Lettering	732-2.03 T.S. 1-2	Manufacturers shall be able to permanently mark lids with lettering as required. Lettering shall be 1" (+/- ¼") measured from baseline to ascender and be cast, molded, or engraved on the lid. The lid marking shall be done in such a manner as to not pose a tripping hazard.		
Hold-down Hardware	T.S. 1-2	Two captive 3/8" – 16 UNC hold-down hex-head bolts (9/16" socket size) and washers shall be provided per lid. The bolts shall be of sufficient length to fully engage the lid's connection to the body. The flat washers shall be of sufficient diameter and thickness to avoid damage to the lid when the bolts are tightened.		
Hold-down Hardware	T.S. 1-2	All lid hold-down hardware, including that in the box body, shall be stainless steel.		

Product Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Hold-down Inserts	T.S. 1-2	The threaded lid hold-down inserts in the box body shall be drainable, cleanable and replaceable. They shall also be the “floatable” types.		
Handles	T.S. 1-2	Two fully recessed lift slots shall be provided for each lid. Size shall be per the manufacturer.		
Skid Resistance	T.S. 1-2	The exposed portion of the body shall be skid resistant.		
Pull Box Lid	T.S. 1-2	Heavy duty polymer concrete skid-resistant lid or reinforced (sandwiched) lids shall be available options if desired in project plans.		