

MSDGC Approved Pipe Materials

Last Updated April 23, 2015

Standard Force Main Pipe Material, Open Cut Installation (Trenchless as per design)

Pipe	Allowable Joints	Installation	Bedding Class	Lining Types	Allowable Cover*	Pipe Size											
						3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"
PVCO AWWA C900 DR as per design	ASTM D3139- Restrained joints when needed	ASTM D2321	I II			35' 14'	35' 14'	35' 14'	35' 14'	35' 14'							
Ductile Iron Pipe (DIP) AWWA C151	AWWA C111	AWWA C600	Acc. No. 49032	Cement AWWA C104 Protecto 401 Polyethylene		RWP as per design**											

*Allowable Cover is based on bedding and compaction per Installation Standard

**Design engineer to use manufacturer's design guidelines to determine allowable cover before including in contract

Conditionally Approved Gravity Sewer Pipe (as of July 2, 2014)

Pipe	Allowable Joints	Installation	Bedding Class	Lining Types	Allowable Cover	Pipe Size																	
						12"	14"	15"	16"	18"	20"	21"	24"	27"	30"	36"	42"	48"	60"	66"	72"	78"	84"
"Weholite" HDPE ASTM F894	Mechanical Coupling Band with ASTM D3212 seals, or Field Fused Joints	ASTM D2321	I II			18" - 120" As per design** - Minimum 160 Ring Stiffness Constant (RSC) Required																	
"Pro 21" PVC ASTM F1803	Flexible Elastomeric Seals, ASTM D3212	ASTM D2321	I II															As per design**					
"Duramaxx" Steel Reinforced Thermoplastic Ribbed Pipe (SRTRP) ASTM F2562	Flexible Elastomeric Seals, ASTM D3212	ASTM D2321	I II			24" - 120" As per design**																	

**Design engineer to use manufacturer's design guidelines to determine allowable cover before including in contract
Conditionally Approved Pipes will not be accepted on Design-Build projects.