

## STANDARD MATERIAL LIST

<u>ITEM</u>	<u>DETAIL REFERENCE</u>	<u>ALTERNATIVES</u>	<u>COMMENTS/DESCRIPTION</u>
SEWER GRAVITY MAIN		SDR-21 PVC, GASKETED	MIN. THICKNESS
SEWER FORCE MAIN		HDPE, DR-11 WHEN DIRECT BURY, OTHER DR-9 FOR DRILLED	
DETECTABLE WARNING TAPE	S-04, S-18, S-19, S-20	ALT 1: PRO-LINE SAFETY PRODUCTS DETECTABLE TAPE ALT 2: EQUAL	3" WIDE, 5 MIL THICK, GREEN IN COLOR, LABELED "BURIED SEWER PIPE" OR SIMILAR
TRACER WIRE	S-04, S-18, S-19, S-20, S-21, S-22	ALT 1: 10-GAUGE, STRANDED COPPER, INSULATED WIRE ALT 2: 12-GAUGE, SOLID STEEL CORE, COPPER PLATED, INSULATED WIRE	GREEN IN COLOR
TEES, WYES, BENDS		AMERICAN MADE DUCTILE IRON - CEMENT LINED	
CONNECTION TO SEWER MAIN		ALT 1: INSERTA TEE ALT 2: GASKETED CUT IN WYE	
FRAME AND COVER - CLEANOUT	S-04, S-06, S-21	ALT 1: EAST JORDAN 1310Z FRAME, 1310A COVER ALT 2: EQUAL	FOR USE IN PAVED AREAS, COVER LABELED "SEWER"
FRAME AND COVER - MANHOLE	S-07, S-08, S-12	ALT 1: PAMREX 36" ALT 2: EAST JORDAN ERGO XL ACCESS ASSEMBLY SERIES NO. 3606	36" HINGED, LOCKABLE
PIPE CONNECTIONS - MANHOLE	S-07, S-08, S-12	ALT 1: PRESS SEAL CASE A SEAL 12-08 CAST IN BOOT ALT 2: PRESS SEAL PSX DIRECT DRIVE CONNECTOR	
GRADE RING - MANHOLE	S-07, S-08, S-12	ALT 1: KISTNER CONCRETE ALT 2: LAKELANDS CONCRETE	ANCHORED WITH S/S STUD BOLTS, WASHER AND NUTS (501, 502 OR 505 S/S)
COAL TAR EPOXY COATING - MANHOLE	S-07, S-08, S-12	ALT 1: CARBOLINE BITUMASTIC 300 M ALT 2: HI-BUILD TNAME-TAR SERIES 46H-413	2 COATS - SEE SPECIFICATIONS FOR APPLICATION
HIGH-BUILD EPOXY COATING - MANHOLE	S-07, S-08, S-12	ALT 1: SIKAGARD NO. 62 ALT 2: DURALKOTE 500	2 COATS - SEE SPECIFICATIONS FOR APPLICATION
PIPE SUPPORT	S-08, S-12	ALT 1: STANDON MODEL S92 ALT 2: PIPELINE PRODUCTS MODEL PS-S	BOLTS AND STRAPS SHALL BE STAINLESS STEEL
AIR RELEASE VALVE	S-12	ALT 1: GA INDUSTRIES FIGURE 925 ALT 2: NO EQUAL - TOWN STANDARD	AIR RELEASE VALVE SIZE TO BE DETERMINED BASED ON CONDITIONS, 1/2" AND 1" BALL VALVES (3 VALVES TOTAL) SHALL BE INCLUDED FOR FUTURE MAINTENANCE
COVER - AIR RELEASE CONNECTION	S-12	ALT 1: FORD WABASH DOUBLE INSET LID W-3-T WITH TOUCH REACH HOLE ALT 2: MUELLER H-10814 PIT DOUBLE WITH CAST IRON COVER ALT 3: AY MCDONALD MODEL 74M4WT METER BOX COVER AND FRAME WITH INNER LID ALT 4: VESTAL MODEL W-20P-L R&C WITH w/SN w/TR	

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FILTER FABRIC	S-12	ALT 1: MIRAFI 140N	
		ALT 2: TYPAR STYLE 3341	
GRADE RING - AIR RELEASE	S-12	ALT 1: KISTNER CONCRETE PB-18-S	
		ALT 2: LAKELANDS CONCRETE GR-18	
RODDED BELL RESTRAINING HARNESS	S-13	ALT 1: EBAA RION SERIES 1500	TO BE USED A TEMPORARY RESTRAINT ONLY
		ALT 2: ROMAC SERIES 600	
CURB BOX - AIR RELEASE	S-12	ALT 1: MUELLER MARK II WITH ROD H10334 OR H10310	ARCH SLIDING STYLE, WITH 30" S/S ROD, LID MARKED "SEWER"
		ALT 2: FORD MODEL EA2-50-40-30R WITH CB-7 CURB BOX BASE (IF REQUIRED)	
		ALT 3: A.Y. MCDONALD MODEL 5606	
CURB/VALVE BOX - LOW PRESSURE SEWER	S-21, S-22	ALT 1: 5.75" ABS PLASTIC VALVE BOX MODEL 640 RPV4 BY CP TEST AND VALVE PRODUCTS	
		ALT 2: EQUAL	
CURB STOP - LOW PRESSURE SEWER	S-21, S-22	ALT 1: POLYETHYLENE CURB STOP BY THE LATEAL CONNECTION CORP.	
		ALT 2: EQUAL	