

City of Mesquite Approved Sanitary Sewer Materials List

Revised: July 1, 2010

Note: All materials on this list do not require separate submittals. All materials must be new and in good condition.

I. SEWER MAIN AND SERVICE PIPE (Gravity Flow Only) (See GDS for other requirements)

ASTM D3034 SDR-26 PVC 4" to 15" Diameter
ASTM F679 – PS115 PVC 18" to 30" Diameter
Ductile Iron Pipe (CL 54) w/ Protecto 401 internal coating (Aerial Crossings Only)
ASTM D3262 Fiberglass Sewer Pipe 18" to 54" and ASTM 4161 Fiberglass Fittings (must submit thickness design for wall thickness calculations) Approved Manufactures for Fiberglass Pipe and fitting are Hobas Pipe, US Composite Pipe South and Ameron International.

Standard Construction Details Page SD-19

II. MANHOLE PIPE CONNECTORS

A-LOC
KOR-N-SEAL – 306 Series By National Pollution Control Systems Inc.
PS (Press-Seal) – PSX: Direct Drive

III. SANITARY SEWER MANHOLE LIDS AND RINGS

East Jordan Iron Works 30" ERGO XL with Camlock Security closing device, MPIC Pick slot, elastomer T-Gasket in lid and infiltration plugs at the hinges. – Product No. 00148026L01
East Jordan Iron Works 24" ERGO with Camlock Security closing device, MPIC Pick slot, elastomer T-Gasket in lid and infiltration plugs at the hinges – Product No. NPR10-1213A (for retrofit work only).

IV. MANHOLE COATINGS

Raven 405 (125 mils thick)

V. GEOTEXTILE MATERIAL (installed under precast manholes)

Mirafi 140N
Geotex 401

VI. MANHOLE GRADE RINGS

HDPE Adjustment Rings by Ladtech Inc.
ARPRO Expanded Polypropylene, ASTM D3575, by Cretex Seals
East Jordan Iron Works Infra-Riser.

Concrete Grade Rings are Prohibited

VII. PRE-CAST MANHOLE GASKETS

Hanson – CR 097
Hydroconduit – Profile

VIII. MANHOLE CHIMNEY SEALS AND RING & COVER SEALING SYSTEMS:

Cretex with stainless steel self locking bands. (interior & exterior)
Riser Wrap by PSI

IX. MANHOLE DROP BOWL

Reliner / Duran Inc., Inside Drop Bowl with Stainless Steel anchor assemblies

X. DOUBLE CLEANOUT METER BOX

Bass & Hays 3-LID2 (Sewer)

XI. THREADED ANCHOR

Hilti – KB3-SS304 5/8" anchor bolts or equal
Stainless Steel all thread 5/8"
(embedded min 4-1/2" into cone with a epoxy or Wedge-it)
Simpson Strong Tie – Strong-Bolt 5/8"

NOTE: All exposed Stainless Steel Bolts and Nuts must be coated with approved anti-seize compound: Permatex Nickel Anti-Seize or approved equal.