

THE METROPOLITAN DISTRICT APPROVED MATERIALS FOR SANITARY SEWER & STORM DRAIN INSTALLATIONS (12/31/2011)

Updates and revisions during the previous quarter are shown in yellow highlight.

PRODUCT	MANUFACTURER	SPEC/CLASS/MODEL	COMPANY ORIGIN (STATE)	ORIGIN OF PARTS/MANUFACTURING LOCATION
PVC GRAVITY SEWER PIPE (4" - 15")	IPEX (Iplex USA)	ASTM D-3034/SDR 35/ASTM F-1760	USA (North Carolina)	Manufacturing locations: Ontario and Charlotte, North Carolina
	Diamond	ASTM D-3034 SDR-35, F789-PS46	USA (Nebraska)	Manufacturing locations: distributed over USA; closest location: Indiana
	Royal Pipe	ASTM D-3034 SDR-35, F789-PS46	CANADA (Ontario)	Manufacturing locations: Ontario
	National Pipe	ASTM D-3034 SDR-35, F789-PS46	USA (New York)	Manufacturing locations: New York, North Carolina
	North American Pipe Corporation	ASTM D-3034 SDR-35, F789-PS46	USA (Texas)	Manufacturing locations: distributed over USA; closest location: Pennsylvania
PVC CLOSED PROFILE GRAVITY SEWER PIPE (18" - 48")	Con-Tech	ASTM F1803, F794 UNIB9	USA (Connecticut)	Manufacturing location: Massachusetts
	Diamond	ASTM F1803, F794 UNIB9	USA (Nebraska)	Manufacturing locations: distributed over USA; closest location: Indiana
	Lamson-Vylon	ASTM F1803, F794 UNIB9	USA (Ohio)	Manufacturing locations: Ohio and California
PVC PRESSURE SEWER PIPE (4" - 12")	National Pipe	ASTM D-2241, SDR-18, C-900	USA (New York)	Manufacturing locations: New York, North Carolina
	IPEX (Iplex USA)	ASTM D-2241, SDR-18, C-900	USA (North Carolina)	Manufacturing locations: Ontario and Charlotte, North Carolina
	Royal Pipe	ASTM D-2241, SDR-18, C-900	CANADA (Ontario)	Manufacturing locations: Ontario
	Diamond	ASTM D-2241, SDR-18, C-900	USA (Nebraska)	Manufacturing locations: distributed over USA; closest location: Indiana
	North American Pipe Corporation	ASTM D-2241, SDR-18, C-900	USA (Texas)	Manufacturing locations: distributed over USA; closest location: Pennsylvania
HIGH DENSITY POLYETHYLENE PIPE Fusion Welded, Solid Wall	Performance	ASTM F714, F894, PE 3408	USA (Texas)	Listed as headquarters
	National Pipe	ASTM F714, F894, PE 3408	USA (New York)	Manufacturing locations: New York, North Carolina
	KWH	ASTM F714, F894, PE 3408	CANADA	Manufacturing locations: Ontario and Saskatchewan
DUCTILE IRON SEWER PIPE (Class 52)	Griffin Pipe	ASTM A-746, Protecto 401	USA (Illinois)	Manufacturing locations: Virginia, Iowa
	Atlantic States	ASTM A-746, Protecto 401	USA (New Jersey)	Manufacturing location: New Jersey
	US Pipe	ASTM A-746, Protecto 401	USA (Alabama)	Location of General office
PRESTRESSED CONCRETE CYLINDER PRESSURE PIPE	Hanson Pipe (Price Brothers)	AWWA C-301	USA (Ohio)	Manufacturing location: USA (Ohio) and Canada
	Vianini	AWWA C-301	USA (New Jersey)	Manufacturing location: New Jersey
REINFORCED CONCRETE SEWER PIPE	CEMEX (Rinker)	ASTM C-76, Class V	USA (Florida)	Manufacturing location: Massachusetts
	Vianini	AWWA C-301	USA (New Jersey)	Manufacturing location: New Jersey
STORM DRAIN PIPE	ADS/Hancor	AASHTO M252 and M294, HDPE Type S, N-12	USA (Massachusetts)	Manufacturing location: Massachusetts
	Con-Tech	AASHTO M252 and M294, HDPE Type S	USA (Connecticut)	Manufacturing location: Massachusetts
	Lane	AASHTO M252 and M294, HDPE Type S	USA (Pennsylvania)	Manufacturing locations: Virginia and Pennsylvania
PVC FITTINGS <i>Machine Injection Molded</i>	Harco (Harrington Co.)	ASTM F1336	USA (Virginia)	Manufacturing location: Virginia and Wisconsin
	GPK Products	ASTM F1336	USA (North Dakota)	Manufacturing location: North Dakota
	Multi	ASTM F1336	USA (Ohio)	Distributing center; Customer service in Canada
	Harco (Harrington Co.)	C-900 to PVC SDR-35, Adapter #337 Series	USA (Virginia)	Manufacturing location: Virginia and Wisconsin

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MANHOLE CASTINGS, FRAMES, COVERS & RISERS ASTM A48/A48M, AASHTO M105-96, Domestic/NAFTA, 24-1/4" gasketed cover opening with standard 36" frame and old style 24" frame	East Jordan Iron Works (LeBaron)	LJ-105 Frame (modified)	USA (Massachusetts)	Manufacturing location: Massachusetts
	East Jordan Iron Works (LeBaron)	L24C21 Cover Vented "Storm, Sewer or Water"	USA (Massachusetts)	Manufacturing location: Massachusetts
	East Jordan Iron Works (LeBaron)	L2440912Z, CI, 1-1/2" Riser ring	USA (Massachusetts)	Manufacturing location: Massachusetts
	East Jordan Iron Works (LeBaron)	L2440914Z, CI, 1-3/4" Riser ring	USA (Massachusetts)	Manufacturing location: Massachusetts
	East Jordan Iron Works (LeBaron)	L2440916Z, CI, 2-0" Riser ring	USA (Massachusetts)	Manufacturing location: Massachusetts
	East Jordan Iron Works (LeBaron)	2205Z (Frame)	USA (Michigan)	East Jordan, Michigan
PRECAST MANHOLES	Neenah Foundry	C-35 and C-35B	USA based company	Manufacturing location: Canada
	Bibby-Ste Croix	Polyethylene Manhole Riser	USA (Texas)	Manufacturing location: Texas
	Turner			
MANHOLE STEPS Plastic	Arrow Concrete	ASTM C478 and C361	USA (Connecticut)	Listed as location of Main Office
	Atlantic Pipe Corp.	ASTM C478 and C361	USA (Connecticut)	Manufacturing location: Connecticut
	United Concrete Products, Inc.	ASTM C478 and C361	USA (Connecticut)	Manufacturing location: Connecticut
MANHOLE CONNECTIONS	American Step Company	Copolymer Polypropylene ASTM D 4101 with 1/2" grade 60 steel, ASTM A-496, Epoxy Coating ASTM A-934/A-934M-95	USA (Georgia)	Manufacturing location: Georgia
	M.A. Industries	Model PS2-PFSL (Precast Manholes) Model PS2-BG (Block or Brick Manholes)	USA (Georgia)	Manufacturing location: Georgia
PRECAST SEWER CHIMNEY	NPC Inc.	ASTM C923	USA (New Hampshire)	Headquarters: New Hampshire; all products manufactured in the USA
PRECAST STRUCTURES	Superior Products		USA (Connecticut)	Headquarters: South Windsor; utilizes several different USA manufacturers
	Arrow Concrete		USA (Connecticut)	Listed as location of Main Office
	United Concrete Products		USA (Connecticut)	Manufacturing location: Yalesville, Connecticut
	Cromwell Concrete	ASTM C478 and C361	USA (Connecticut)	
SEWER BRICK	Arrow Concrete		USA (Connecticut)	Listed as location of Main Office
	Concrete Systems, Inc.		USA (New Hampshire)	Listed as location of Main Office
	Rotundo		USA (Massachusetts)	Manufacturing location: Massachusetts
	United Concrete Products		USA (Connecticut)	Manufacturing location: Connecticut
	Cromwell Concrete		USA (Connecticut)	Manufacturing location: Connecticut
SEWER BRICK	K.F. Brick, Inc.	Red Pavers , ASTM C-32, Grade SM or SS	USA (Connecticut)	Manufacturing location: Connecticut
	Stiles & Hart Brick Company	Solid Brick with S&H Frog, ASTM C-32, Grade SM	USA (Massachusetts)	Manufacturing location: Massachusetts
	McAvoy Vitrified Brick Co.	2-1/4 Cob Set Sewer Brick, ASTM C-32, Grade SS	USA (Pennsylvania)	Manufacturing location: Pennsylvania
	Cromwell Concrete Products, Inc.	Concrete Building Brick (not for inverts or water tables), 2-1/4 x 3-3/8, x 7-5/8 ASTM C-55, Grade P-II	USA (Connecticut)	Manufacturing location: Connecticut

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GEOTEXTILE for PIPE INSTALLATION Non-woven Filter Fabric	Mirafi, Inc. (TenCate)	140N, 4 oz.	USA (Georgia)	Manufacturing location: Georgia
	Contech (Propex; Synthetic Ind.)	GEOTEX 401	USA (Tennessee)	Manufacturing location: Tennessee
	Thrace-LINQ	130EX 4 oz. or 150EX 4 oz.	USA (South Carolina)	Manufacturing location: South Carolina
	Carthage Mills	FX-40HS	USA (Ohio)	Manufacturing location: Ohio
	Mutual Industries, Inc. US Fabrics	NW60 US 120 NW	USA (Pennsylvania) USA (Ohio)	Manufacturing location: Pennsylvania Manufacturing location: Ohio
GEOTEXTILE for EROSION CONTROL Woven Filter Fabric	Mirafi, Inc. (TenCate)	FW500 or FW700	USA (Georgia)	Manufacturing location: Georgia
	Contech (Propex; Synthetic Ind.)	104F	USA (Connecticut)	Manufacturing location: Massachusetts
	Thrace-LINQ	GTF 180SF	USA (South Carolina)	Manufacturing location: South Carolina
	Thrace-LINQ	GTF 190SF	USA (South Carolina)	Manufacturing location: South Carolina
	Carthage Mills	FX-11 or FX-11M	USA (Ohio)	Manufacturing location: Ohio
	Mutual Industries, Inc. US Fabrics	MISF 180 Spec. US 670 or US 830	USA (Pennsylvania) USA (Ohio)	Manufacturing location: Pennsylvania Manufacturing location: Ohio
STORM SEPARATION UNITS	Stormceptor	Inline Stormceptor and/or Inlet Stormceptor	USA	Manufacturing location: Massachusetts; distributed by Rinker
	ConTech	Vortechs, VortSentry and/or VortCapture	USA (Connecticut)	Manufacturing location: Massachusetts
	Stormwaterworks	Terre Kleen Hydrodynamic Separator	USA (Pennsylvania)	Manufacturing location: Pennsylvania
BACKWATER VALVES: INTERIOR	Oatey	4" PVC Backwater Valve, Product No. 43904	USA (Ohio)	
	PlumBest	Extension Kit for 4" BWV, Part No. B04-403 8" Schedule 40 PVC Riser Pipe by Contractor	USA (Alabama)	
	PlumBest	8" Cast Iron Lid, Part No. B04-008	USA (Alabama)	
	PlumBest	4" PVC BWV with Extension Kit, No. B04-400K	USA (Alabama)	
BACKWATER VALVES: EXTERIOR	Clean Check	6" PVC Extendable BWV, Catalog No. 94136 Contractor add Schedule 40 PVC 6" Insert Pipe, 8" Riser Pipe, Female Adaptor and Threaded Plug at surface	USA (Texas)	