



Approved Gravity Sewer & Force Main Construction Materials

November 2016

WHITE HOUSE UTILITY DISTRICT

Approved Gravity Sewer & Force Main Construction Materials

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B.

1. Ball Valves for Vac/Air Release Valves & Flushing Assemblies

Manufacturer

A.Y. McDonlad

Nibco Inc.

Red White Valve Corp.

Watts Saftey & Flow Control Products

Model Number

Series 2132T

Model T-FP-600N

Model 5044F

Model FBV-3G

2. Boxes for Vac/Air Valves & Flushing Assemblies

Manufacturer

Carson/Mid States Plastics

Model Number

Model MSBCF-1730-18XL

3. Boxes for Gravity Sewer Clean Out Assemblies

Manufacturer

Carson/Mid States Plastics

Russell Pipe & Foundry Co.

Model Number

Model MSBC-1015-18

Steel Box w/ 14"x11" Lid

Note: Steel Box is for Traffic Areas Only

4. Brass Compression Fittings

Manufacturer

A.Y. McDonald

Ford Meter Box Company

Mueller Corporation

Model Number

Model 4753-44 Male X PVC
Compression fittings

Model C87-XX-G Male X PVC
Compression fittings

Model C87-XX-Q Male X PVC
Compression fittings

Pack Joint Connection Model
V-15440

NOTE: For 2" Force Main Construction Only

5. Brass Nipples & Fittings for Vac/Air Release Valves, Flushing Assemblies, & 2" Force Main Services

Manufacturer

Missouri Pipe Fittings Co

Merit Brass Inc

General Pipe Works Brass

or Approved Equal

Model Number

6. Butyl Mastic Sealants for Manhole and Septic Tank Castings

Manufacturer

NPC Inc.

Conseal Concrete Sealants Inc.

Hamilton Kent Manufacturing Co.

Model Number

Bidco C-56R

CS202

CS440 for Oil/Water Separators Only

Kent Seal No. 2

C.

1. Camlock Fittings - (Must be of Aluminum Construction)

Manufacturer

Hose Xpress Inc

PT Coupling Co.

or Approved Equal

Model Number

Model 200-A-AL

Model 200-DC-AL

Model 20A

Model 20V

Adapter x Female Thread w/ Dust Cap

2. Casing Pipe - Plastic

Manufacturer

Any Manufacturer

Model Number

4" Sch 40 PVC

Used for 2" Force Main services only

3. Casing Pipe - Steel

Manufacturer

Lally Pipe & Tube

Southland Pipe & Supply

Saginaw Pipe

Model Number

See WHUD specifications for wall & yield strength requirements

4. Casing Spacers

Manufacturer

Advanced Product Systems Inc.

Cascade (CCI)

BWM

Model Number

SS1-8 or SS1-12

SS-8

5. Cement Mortar for Manholes

Manufacturer

Madewell

Quadex

Strong-seal

Model Number

Mainstay ML-10

Mainstay ML-72

Hyperform

MS-2A

6. Chimney Seals

Manufacturer

Cretex Specialty Products

Model Number

Internal Seal Only

316 stainless steel band

D.

1. Detection Wire

Manufacturer

American Insulated Wire Corp

Cerro Wire Inc

or Approved Equal

NOTE: Must be 14 gauge copper w/ THHN insulation

Model Number

Model 500S/2500R

Model 112-14XX

2. DI and C900 Pipe Fittings

Manufacturer

Tyler/Union

Sigma

U.S. Pipe

or Approved Equal

NOTE: Must be Protecto 401 or Fusion Bonded Epoxy Coated

Model Number

C153

C153

3. DI Pipe

Manufacturer

American

Clow

Griffin Pipe Products Co.

McWane

North American

U.S. Pipe

NOTE: Must be Class 350 DI w/ Protector 401 Coating

Model Number

F.

1. Fitting Restraints

Manufacturer

Ford Meter Company

EBAA Megalug

Sigma

Tyler-Union

Model Number

Series 1400 (DI), 3"-36"

Series 1500-C (C900,C905), 4"-24"

Series 1100 (DI), 3"-48"

Series 2000PV (C900,C905), 3"-36"

One-Lok MJ Restraint (DI) 3"-48"

One-Lok SLC (C900,C905) 3"-36"

Tuf-Grip TLD (DI) 3"-24"

Tuf-Grip TLP (C900,C905) 3"-24"

2. Foster Adapter

Manufacturer

InFact Corporation

NOTE: Adapter must be fusion bonded epoxy coated.

Model Number

Size Dependant

3. Frame & Cover

Manufacturer

John Bouchard & Sons

Russco

Model Number

Model #1155 (Standard 6" Casting)

Model #1154 (As needed 4" Casting)

Model RMH - 2567

G.

1. Grinder Pumps

Manufacturer

Barnes

NOTE: Grinder Pump installations require the installation of a 2" Sch 80 True Union Ball Check Valve

Model Number

OGP 2022 AUE 2HP 3450RPM, 60HZ

I.

1. Internal Drop Assemblies

Manufacturer

Reliner/Duran Inc

Model Number

Inside Drop System

L.

1. Locking Gaskets

Manufacturer

American Iron Pipe Co.
U.S. Pipe
Gripper Gasket Co.
McWane

Model Number

Fast-Grip
Field -Lok 350
Gripper Gasket
Sure Stop

M.

1. Manhole Coating System

Manufacturer

Madewell Products Corp
Sprayroq Inc
Raven Lining Systems Inc

Model Number

Mainstay DS-5
SprayWall
Raven 405

2. Manhole Structures

Manufacturer

Cloud Concrete Products
North Pointe Pre-Cast

Sherman-Dixie Pre-Cast Utility Structures

Manufacturer

Holton
Vanhooseco

P.

1. Pipe to Manhole Connection Boots

Manufacturer

NPC Inc

Press Seal Gasket Corp

Model Number

Kor-N-Seal I (1"-18")
Kor-N-Seal II (15" and larger)
PSX Manhole Connector

2. PVC Fittings (Gravity)

Manufacturer

GPK Products Inc
Harco Fittings Inc
Multi Fittings Corp.

Model Number

HWS Gasketed SDR 26
SDR 26 PVC Gasketed Sewer Fittings
Trench Tough Series - SDR 26

3. PVC Fittings (Pressure)

Manufacturer

Any Manufacturer

Model Number

Must be Solvent Weld Sch 40 PVC - Used

for 2" force main/services only

4. PVC Pipe (Gravity) <18' Depth=SDR26, >18' Depth=C900,C905

Manufacturer

Diamond Plastics Corp.

North American Pipe Co.

Any Manufacturer

Model Number

SDR 26

SDR 26

SDR 26 Meeting ASTM D3034 & D1784,
C900, C905

5. PVC Pipe (Pressure)

Manufacturer

North American Pipe Co.

Vulcan Plastics Inc.

Any Manufacturer

Any Manufacturer

Model Number

SDR 17 for 2" Force Main/Service line &
Grinder Installations

C900, C905 for Force Main 4" & Larger
DR-18

S.

1. Sewer Service Markers

Manufacturer

Any Manufacturer

Model Number

Quality 2" Sch 40 Steel (Gas Grade) Pipe

NOTE: Service Markers are to be painted green upon installation

T.

1. Tapping Saddles

Manufacturer

Ford Meter Box Co.

Smith Blair Inc.

Model Number

Model S70 for Grinder Connection to SDR
26 Gravity Mains 8"-12"

Model S90 for Grinder Connection to C900
Gravity Mains 4"-12"

Model 202BS for Grinder Connection to
C900 Force Mains 4"-30"

Model 325 for Grinder Connection to C900
Force Mains 4"-12"

2. Tapping Sleeve and Valve

Manufacturer

All Pipe Sizes - Carbon Steel saddles - Fusion Bonded Epoxy Coated

Ford Meter Box Co.

KJCM Inc.

Model Number

Model FTSC for 4"-48" pipe

Model 422 for 4"-12" C900 Taps Only

Smith-Blair Inc.

Model 622 for 4"-30" Pipe

Note: Pipe Sizes 10" and Smaller May Use Stainless Steel Wrap Around Style listed below.

Ford Meter Box Co.

Model FAST for 4"-10" pipe

JCM Inc.

Model 462 for 4"-10" pipe

Mueller

Model H304 for 4"-10" pipe

Smith-Blair Inc.

Model 664 for 4"-10" pipe

V.

1. Vacuum/Air Release Valves

Manufacturer

A.R.I. Valve Corp.

Model Number

Model D-025 Sch 80 2"

Sizes greater than 2" will be specified by the WHUD Engineer

2. Valves - Gate

Manufacturer

American Flow Control

M&H Valve

U.S. Pipe

Mueller

Model Number

Series 2500

Series 7000

Series 2360

Series A.OSP0

3. Valve Boxes

Manufacturer

Sigma

Model Number

Model VB261 18"-22" (Use in swallow situations only)

Model VB262 27"-37" (Standard for Construction)

4. Valve Box Collars

Manufacturer

Hula Concrete Products

Russell-Sigma

Model Number

Part # WUVPD50003

Note: Valve box collars must be precast 24" round concrete with steel reinforcement.

5. Valve Operating Nut Extensions

Manufacturer

Mueller

M&H Valve

Model Number

Model A-26441

Model 3801

Note: Valve nut extensions are used to bring to valve nut within 30" of depth.

W.

1. Watertight Inserts

Manufacturer

Cretex Specialty Products

Parson Environmental Products Inc.

Model Number

Inflow Dish

Parson Manhole Insert

Note: Watertight Inserts must have a gas relief valve, 2 nylon lifting straps, and a closed cell neoprene gasket under the insert body rim.