

**DIVISION 15 – CONSTRUCTION MATERIALS**

Section 15001	Construction Materials – Water Mains	<a href="#">15001_Mar08_2011.pdf</a>
Section 15002	Construction Materials – Water Service Connections	<a href="#">15002_Dec22_2009.pdf</a>
Section 15003	Construction Materials – Sewer Mains	<a href="#">15003_Mar08_2011.pdf</a>
Section 15004	Construction Materials – Sewer Service Connections	<a href="#">15004_Dec22_2009.pdf</a>
Section 15005	Construction Materials – Corrosion Protection	<a href="#">15005_Dec22_2009.pdf</a>

## INDEX

	<u>Page</u>
15001-1 WATER MAIN PRESSURE PIPE	3
1.1 Polyvinyl Chloride (PVC) Water Pipe (150mm – 300mm)	3
1.2 Polyvinyl Chloride (PVC) Large Diameter Water Pipe (350mm - 1200mm)	4
1.3 Restrained Joint Polyvinyl Chloride (PVC) Water Pipe and Fittings (150mm – 300mm)	5
15001-2 WATER MAIN PRESSURE PIPE FITTINGS	6
2.1 Injection Moulded PVC Pipe Fittings (150mm – 1200mm)	6
2.2 Fabricated PVC Pressure Pipe Fittings	7
2.3 Grey Cast Iron Fittings	8
15001-3 WATER MAIN PIPE RESTRAINTS	9
3.1 Pipe Restrainers	9
15001-4 WATER MAIN VALVES	10
4.1 Gate Valves	10
4.1.1 Double Disc Valves	10
4.1.2 Resilient-seated Valves	10
4.2 Butterfly Valves	11
15001-5 WATER MAIN VALVE BOXES	12
5.1 Valve Boxes	12
15001-6 WATER MAIN HYDRANTS	13
6.1 Hydrants	13

15001-7	WATER MAIN PIPE COUPLINGS	14
	7.1 Pipe Couplings	14
15001-8	WATER MAIN REPAIR COUPLINGS	15
	8.1 Repair Couplings	15
15001-9	WATER MAIN TAPPING SLEEVES	16
	9.1 Tapping Sleeves	17
15001-10	WATER MAIN TAPPING VALVES	16
	10.1 Tapping Valves	17

## 15001-1 WATER MAIN PRESSURE PIPE

### 1.1 Polyvinyl Chloride (PVC) Water Pipe (150mm – 300mm)

Product Description:

- Polyvinyl Chloride DR18 pressure pipe and fittings
- Bell and Spigot type with factory installed rubber gasket
- Designed for a working Pressure of 1035kPa

Conforming to:

- AWWA C900, CSA137.3

Product Use:

- Water Main construction

Standard Construction Specification Reference:

- 08001-2.1

Approved products: Manufacturer – Model

- Ipex Inc. - Blue Brute
- Royal Group - Royal Seal
- Rehau – Aqualoc (Not in business as of 2008)
- Northern Pipe Products Inc. – Northern Pipe

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15001-1 WATER MAIN PRESSURE PIPE

1.2 Polyvinyl Chloride (PVC) Large Diameter Water Pipe (350mm - 1200mm)

Product Description:

- Project specific

Conforming to:

- AWWA C905, CSA137.3

Product Use:

- Only as approved by City of Saskatoon Engineer on a project to project basis
- Water Main construction

Standard Construction Specification Reference:

- N/A

Approved products: Manufacturer – Model

- Ipex Inc. – Centurion

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## 15001-1 WATER MAIN PRESSURE PIPE

### 1.3 Restrained Joint Polyvinyl Chloride (PVC) Water Pipe and Fittings (150mm – 300mm)

#### Product Description:

- Polyvinyl Chloride pressure pipe and fittings with Steel ring-and-pin gasketed joints
- Bell and Spigot type with factory installed rubber gasket
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C900

#### Product Use:

- As approved by City of Saskatoon Engineer on a project to project basis
- Water Main construction involving Horizontal Directional Drilling and other trenchless applications

#### Standard Construction Specification Reference:

- N/A

#### Approved products: Manufacturer – Model

- Ipex Inc. - TerraBrute

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## 15001-2 WATER MAIN PRESSURE PIPE FITTINGS

### 2.1 Injection Moulded PVC Pipe Fittings (150mm – 1200mm)

#### Product Description:

- Polyvinyl Chloride injection molded fittings, DR18, with rubber gasket joints
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C907

#### Product Use:

- Water Main construction

#### Standard Construction Specification Reference:

- 08001-5.2

#### Approved products: Manufacturer – Model

- Ipex Inc. - Blue Brute
- Royal Group - Royal Seal
- Rehau - Aqualoc
- Harco Fittings – Harco Class 150
- Northern Pipe Products Inc. – Northern Pipe

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## 15001-2 WATER MAIN PRESSURE PIPE FITTINGS

### 2.2 Fabricated PVC Pressure Pipe Fittings

#### Product Description:

- Polyvinyl Chloride fabricated fittings, DR18, with rubber gasket joints
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C900 or C905 and CSA B137.3

#### Product Use:

- Water Main construction
- Fittings larger than 300mm, as approved by engineer on a project to project basis
- Installed with a zinc anode conforming to City of Saskatoon specifications

#### Standard Construction Specification Reference:

- 08001-5.3

#### Approved products: Manufacturer – Model

- Ipex Inc. – Centurion, Blue Brute

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## 15001-2 WATER MAIN PRESSURE PIPE FITTINGS

### 2.3 Grey Cast Iron Fittings

#### Product Description:

- Cast Iron fittings, cast from grey cast iron with rubber gasket joints
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C110

#### Product Use:

- Water Main construction
- Installed with a zinc anode conforming to City of Saskatoon specifications

#### Standard Construction Specification Reference:

- 08001-5.1

#### Approved products: Manufacturer – Model

- Sigma Corporation - Tyton Joint
- Norwood Foundry Limited

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## 15001-3 WATER MAIN PIPE RESTRAINTS

### 3.1 Pipe Restrainers

#### Product Description:

- Pipe restraints, consist of ductile iron split restraint rings and high strength low alloy (HSLA) connecting rods and fasteners

#### Conforming to:

- ASTM A536, ASTM F1674 and AWWA C111

#### Product Use:

- As approved by City of Saskatoon Engineer on a project to project basis
- Shall be galvanized or rust proofed by methods approved by the Engineer
- To restrain pipe and fitting joints

#### Standard Construction Specification Reference:

- 08030-8, Drawing 102-0012-002

#### Approved products: Manufacturer – Model

- Ford Meter Box Company - Uni-flange – 900-C, series 1300-C
- Sigma Corporation - Restraint Systems for Ductile Iron Pipe
- EBAA Iron, Inc. – Push On Pipe Joints

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## 15001-4 WATER MAIN VALVES

### 4.1 Gate Valves

#### Product Description:

- Gate valve, grey cast iron body with non rising stem and “O”-ring stem seal
- Designed for a working pressure of 1035kPa

#### Product Use:

- Water main construction, Horizontal mains.
- Installed with a zinc anode conforming to City of Saskatoon specifications

#### Standard Construction Specification Reference:

- 08001-3.1

#### 4.1.1 Double Disc Valves

##### Conforming to:

- AWWA C500

##### Approved products: Manufacturer – Model

- Mueller Canada – Double Disk Gate Valve
- Clow Canada- 2640
- Jenkins Canada (obsolete soon)

#### 4.1.2 Resilient-seated Valves

##### Conforming to:

- AWWA C509 , ASTM A126

##### Approved products: Manufacturer – Model

- Mueller Canada - Series 2360 (150-300mm) slip on type
- Clow Canada – Series F-6000 (150-300mm) Tyton fitting type
- Jenkins Canada (obsolete soon)

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## 15001-4 WATER MAIN VALVES

### 4.2 Butterfly Valves

#### Product Description:

- Butterfly Valve, grey cast iron body with stainless steel shaft with O-ring stem seals
- Rubber and stainless steel or stainless steel seated

#### Conforming to:

- AWWA C504 class 150B Valves

#### Product Use:

- Water main construction, 300mm horizontal mains.
- Installed with a zinc anode conforming to City of Saskatoon specifications

#### Standard Construction Specification Reference:

- 08001-3.2

#### Approved products: Manufacturer – Model

- Mueller Canada – Linesal III
- Clow Canada – 4500 class 150
- Jenkins (obsolete soon)

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## 15001-5 WATER MAIN VALVE BOXES

### 5.1 Valve Boxes

#### Product Description:

- Valve Boxes sliding type extending from 2440 mm to 3280 mm
- Cast iron cap and boot with the middle section either cast iron or steel

#### Conforming to:

- AWWA C213

#### Product Use:

- Water main construction
- Installed with a zinc anode conforming to City of Saskatoon specifications

#### Standard Construction Specification Reference:

- 08001-3.3

#### Approved products: Manufacturer – Model

- Titan Foundry Ltd.
- WD Valve Boxes Ltd.

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## 15001-6 WATER MAIN HYDRANTS

### 6.1 Hydrants

#### Product Description:

- Hydrants, dry barrel with compression type main valve
- 2-65mm nozzles and 114mm pumper nozzle and 150mm inlet elbow (boot) supplied with rubber gasket.
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C502

#### Product Use:

- Water main construction
- Installed with a zinc anode conforming to City of Saskatoon specifications

#### Standard Construction Specification Reference:

- 08001-4, 08030-10, Drawing 102-0012-003

#### Approved products: Manufacturer – Model

- Mueller Canada – Super Centurion
- Mueller Canada – Modern Centurion
- Mueller Canada – Canada Valve
- Clow Canada – McAvity M67
- Clow Canada (Concorde, Daigle) – D67M

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## 15001-7 WATER MAIN PIPE COUPLINGS

### 7.1 Pipe Couplings

#### Product Description:

- Bolted, Sleeve-type Couplings
- Consisting of a center sleeve and two end rings manufactured from either Ductile Iron, Carbon Steel, or Cast Iron, two rubber wedge gaskets, a SBR (buma S) rubber gasket and high strength, low alloy (HSLA) steel nuts and bolts.
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA 219, AWWA C111
- Ductile Iron: ASTM 536
- Carbon Steel: ASTM A512 and A53
- Cast Iron: ASTM A97 Grade 32510 or 35018

#### Product Use:

- Water main construction, non-restraining connections between two plain ended pipes
- Use of reducing couplings, as approved by engineer on a project to project basis
- Each bolt to be supplied with zinc anode cap

#### Standard Construction Specification Reference:

- 08001-6, 08025-8.2
- For required length and number of bolts 08001-6

#### Approved products: Manufacturer – Model

- Robar – 1507, 1507R      Epoxy coated, HSLA fasteners with anodes
- Romac – XR501 Extended range coupling

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## 15001-8 WATER MAIN REPAIR CLAMPS

### 8.1 Repair Clamps

#### Product Description:

- Stainless Steel Repair Couplings with full wrap around SBR (Buna S) rubber gasket
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C111 Gasket

#### Product Use:

- To repair service connection cut offs
- Not to be used to repair structural damage or defects of the pipe

#### Standard Construction Specification Reference:

- 08001-7, 08025-12

#### Approved products: Manufacturer – Model

- Robar Industries Ltd. – 5600 (COS Spec)
- Romac Industries Inc. – SS series

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## 15001-9 WATER MAIN TAPPING SLEEVES

### 9.1 Tapping Sleeves

#### Product Description:

- Tapping Sleeve, Cast iron bolted split sleeve type with flange outlet
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C111, NSF 61

#### Product Use:

- Tapping water main services greater than 50mm

#### Standard Construction Specification Reference:

- 08003-1.2.6, 08025-8.2

#### Approved products: Manufacturer – Model

- Mueller Canada - H-615
- Robar Industries Ltd. – 6600 Model

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## 15001-10 WATER MAIN TAPPING VALVES

### 10.1 Tapping Valves

#### Product Description:

- Tapping valve, iron body, bronze mounted, nonrising stem gate valve
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C500

#### Product Use:

- Tapping water main services greater than 50mm

#### Standard Construction Specification Reference:

- 08003-1.2.6

#### Approved products: Manufacturer – Model

- Mueller Canada – T2300 Series
- Clow Canada – 6000 Series

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## INDEX

	<u>Page</u>
15002-1 WATER SERVICE CONNECTION PIPE	2
1.1 Polyethelene Pipe (25-50mm)	2
1.2 Copper Pipe	3
15002-2 WATER SERVICE CONNECTION SADDLES AND CLAMPS	4
2.1 Service Saddles (25-50mm)	4
2.2 Service Clamps	5
15002-3 WATER SERVICE CONNECTION VALVES AND FITTINGS	6
3.1 Main Stops	6
3.2 Curb Stops	7
3.3 Curb Boxes	8
3.4 Fittings	9

## 15002-1 WATER SERVICE CONNECTION PIPE

### 1.1 Polyethelene Pipe (25-50mm)

#### Product Description:

- High Density Polyethylene Pipe (HDPE), SDR9, Series 200 (25-50mm)
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C901, ASTM D2737

#### Product Use:

- Water service connections to water mains

#### Standard Construction Specification Reference:

- 08003-1.1.2, 08025-9.2, Drawing 102-0013-001

#### Approved products: Manufacturer – Model

- Polytubes – Municipal Series 200, SDR 9
- Ipex Inc. – Municipal Series 200 SDR 9
- KWH Pipe - Sclairpipe

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## 15002-1 WATER SERVICE CONNECTION PIPE

### 1.2 Copper Pipe

#### Product Description:

- Soft copper tubing type K

#### Conforming to:

- ASTM B88 for Type K

#### Product Use:

- Water service connections to city water mains

#### Standard Construction Specification Reference:

- 08003-1.1, 08025-9.2, Drawing 102-0013-002

#### Approved products: Manufacturer – Model

- Wolverine Tube Inc.
- Cerro Flow Products

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## 15002-2 WATER SERVICE CONNECTION SADDLES AND CLAMPS

### 2.1 Service Saddles (25-50mm)

#### Product Description:

- Service Saddles for PVC Pipe, shall be made of type 304 stainless steel, with SBR (Buna S) rubber gasket
- Service Saddles for iron and steel pipe, Saddle shall be made of Bronze with full wrap around SBR (Buna S) rubber gasket. Type 304 stainless steel straps, washers and nuts.
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C800, NSF 61

#### Product Use:

- To take service outlets off of Water mains

#### Standard Construction Specification Reference:

- 08003-1.2.5, 08025-8

#### Approved products: Manufacturer – Model

- Robar Industries Ltd. - Series 2606 for PVC pipe
- Robar Industries Ltd – Series 2786 for Iron and Steel Pipe

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## 15002-2 WATER SERVICE CONNECTION SADDLES AND CLAMPS

### 2.2 Service Clamps

#### Product Description:

- Service Clamps (Saddles) shall be made of solid bronze with Type 304 stainless steel double straps, washers and nuts.
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C800, NSF 61

#### Product Use:

- To take service outlets off of Water mains

#### Standard Construction Specification Reference:

- See section 08025-3.8, 08025-8

#### Approved products: Manufacturer – Model

- Robar Industries Ltd. – Series 2706

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## 15002-3 WATER SERVICE CONNECTION VALVES AND FITTINGS

### 3.1 Main Stops

#### Product Description:

- Main Stop, corporation Valves shall be made of brass
- Inlet tapered with standard AWWA/CC or AWWA(for cast iron) thread
- Outlet Compression coupling shall be Mueller 110, Emco-Successor or Ford-Pack Joint
- Designed for a working Pressure of 1035kPa

#### Conforming to:

- AWWA C800

#### Product Use:

- Water service connections off of water mains

#### Standard Construction Specification Reference:

- 08003-1.2 and 08003-1.2.1

#### Approved products: Manufacturer – Model

- Mueller Canada -300™ Ball Type Corporation Valves  
-ORI-CORP Corporation Valve  
-Ground Key Design Corporation Valves
- Ford Meter Box Corp - Ford Ballcorp Corporation Valve FB series  
-Plug-type Corporation Valve F series - max working pressure of 100psi only available in 1 inch
- A.Y.McDonald Mfg. Co. - Brass main stops
- Cambridge Brass – Brass main stops

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## 15002-3 WATER SERVICE CONNECTION VALVES AND FITTINGS

### 3.2 Curb Stops

#### Product Description:

- Curb stop corporation valves shall be made of brass
- Curb stop corporation valve shall be either ball valve type or Plug type with O-ring seal, non draining
- Designed for a working Pressure of 1035kPa
- Inlet and outlet Compression couplings shall be Mueller 110, Ford-Pack Joint

#### Conforming to:

- AWWA C800

#### Product Use:

- Water service connections to city water mains

#### Standard Construction Specification Reference:

- 08003-1.2 and 08003-1.2.2

#### Approved products: Manufacturer – Model

- Ford Meter Box Company - Type B44
- Mueller Canada - Oriseal Curb Valve
- Mueller Canada - Oriseal III Curb Valve
- A.Y.McDonald Mfg. Co. - Brass Curb Stops
- Cambridge Brass – Brass Curb Stops

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## 15002-3 WATER SERVICE CONNECTION VALVES AND FITTINGS

### 3.3 Curb Boxes

#### Product Description:

- Curb boxes, sliding type extending from 2.46 to 2.9m
- Stainless Steel pipe and spindle
- Cast iron cap and boot

#### Conforming to:

- ASTM 304

#### Product Use:

- Water service connections to city water mains

#### Standard Construction Specification Reference:

- 08001-1.2.3, Drawing 102-0013-011 and 102-0013-012

#### Approved products: Manufacturer – Model

- W.D. Valve Boxes Ltd. – Curb Boxes
- Titan Foundry Ltd. – Curb Boxes

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## 15002-3 WATER SERVICE CONNECTION VALVES AND FITTINGS

### 3.4 Fittings

#### Product Description:

- Water service unions shall be made of brass
- Designed for a working Pressure of 1035kPa
- Inlet and outlet Compression couplings shall be (Mueller 110, Emco-Successor or Ford-Pack Joint)

#### Conforming to:

- AWWA C800

#### Product Use:

- Water service connections to city water mains
- Use of unions shall not be used between the main stop and curb stop

#### Standard Construction Specification Reference:

- 08003-1.2

#### Approved products: Manufacturer – Model

- Ford Meter Box Company - Pack Joint fittings, type C44
- Mueller Canada - 110 Compression connections - H series
  - Tees H-12941
  - Elbows H-12944
  - Wyes H-15343

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## INDEX

	<u>Page</u>
15003-1 SEWER MAIN PIPE – GRAVITY FLOW	2
1.1 Reinforced Concrete Pipe	2
1.2 Polyvinyl Chloride(PVC) Sanitary and Storm Pipe and Fittings (150-675mm)	3
1.3 Polyvinyl Chloride(PVC) Ribbed Storm Sewer Pipe and Fittings	4
1.4 Polyvinyl Chloride(PVC) Dual Wall Corrugated Storm Sewer Pipe and Fittings	5
1.5 High Density Polyethylene (HDPE) Storm Sewer Gravity Flow Pipe	6
15003-2 SEWER MAIN PRESSURE PIPE	7
2.1 High Density Polyethylene (HDPE) Sewer Pressure Pipe	7
15003-3 CONCRETE MANHOLES AND CATCH BASINS	9
3.1 Reinforced Concrete Manhole Barrels and Catch Basins	9
3.2 Manhole Frames and Covers	10

## 15003-1 SEWER MAIN PIPE – GRAVITY FLOW

### 1.1 Reinforced Concrete Pipe

#### Product Description:

- Reinforced Concrete Pipe
- Joints shall be the rubber gasket type
- Standard pipe lengths shall not be less than 1.8 m

#### Conforming to:

- ASTM C76 Class 5 or for a specific D-load in ASTM C655
- Pipe joints - ASTM C443 or ASTM C361
- Pipe joints installed at a buried depth of 6m or greater - ASTM C361

#### Product Use:

- Gravity Sewer construction
- Bell and Spigot grove type joints for buried depth of 6m or greater
- Beveled pipe and pipe lengths less than 1.8m – as approved by City of Saskatoon Engineer on a project to project basis

#### Standard Construction Specification Reference:

- 08002-3.2

#### Approved products: Manufacturer – Model

- Expocrete Concrete Products Ltd.
- Inland Concrete Limited
- Lafarge

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**15003-1 SEWER MAIN PIPE – GRAVITY FLOW**

**1.2 Polyvinyl Chloride(PVC) Sanitary and Storm Pipe and Fittings (150-675mm)**

Product Description:

- Polyvinyl Chloride Pipe, Bell and Spigot type with factory supplied rubber gasket.
- SDR not greater than 35 or SDR 28 at buried depth greater than 6m

Conforming to:

- ASTM D3034

Product Use:

- Gravity Sanitary and Storm Sewer Main construction

Standard Construction Specification Reference:

- 08002-3.1

Approved products: Manufacturer – Model

- Ipex Inc. – Ring Tite
- Northern Pipe Products Inc. – Northern Pipe
- Royal Group - Royal Seal
- Rehau – Duralok (obsolete soon)

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15003-1 **SEWER MAIN PIPE – GRAVITY FLOW**

1.3 **Polyvinyl Chloride(PVC) Ribbed Storm Sewer Pipe and Fittings**

Product Description:

- Polyvinyl Chloride ribbed Pipe with concentric reinforcing ribs
- Bell and Spigot type with factory supplied rubber gasket

Conforming to:

- ASTM D3034

Product Use:

- Gravity flow Storm Sewer Main construction

Standard Construction Specification Reference:

- N/A

Approved products: Manufacturer – Model

- Ipex Inc. - Ultra Rib  
- Ultra X2
- Royal Group – Kor-Flo

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15003-1 **SEWER MAIN PIPE – GRAVITY FLOW**

**1.4 Polyvinyl Chloride(PVC) Dual Wall Corrugated Storm Sewer Pipe and Fittings**

Product Description:

- Polyvinyl Chloride, Dual Wall Corrugated pipe
- Bell and Spigot type with factory supplied rubber gasket

Conforming to:

- ASTM F794 and CSA B182.4

Product Use:

- Gravity flow storm sewer main construction

Standard Construction Specification Reference:

- N/A

Approved products: Manufacturer – Model

- Royal Group – Kor-Flo

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## 15003-1 SEWER MAIN PIPE – GRAVITY FLOW

### 1.5 High Density Polyethylene (HDPE) Storm Sewer Gravity Flow Pipe

#### Product Description:

- Polyethylene Sewer pipe

#### Conforming to:

- CGSB 41-GP-25M

#### Product Use:

- Gravity & Low Pressure Applications
- As approved by City of Saskatoon Engineer on a project to project basis

#### Standard Construction Specification Reference:

- 08010-7.5

#### Approved products: Manufacturer – Model

- KWH Pipe - Weholite
- Polytubes

#### Approved products: Manufacturer – Model (with Conditions)

CSA B182.8 (Storm Sewer) with a minimum ring stiffness of 320KPa, only with CSA B182.8 Type 1 Joints (74KPa) (Boss Ultra Stab 75) is approved for use in storm watermain line applications up to a maximum bury to invert of six metres.

Not approved for use as a catch basin lead.

- Armtec Limited - Boss 2000 320Kpa HDPE
- Hancor, Inc. – HDPE
- Hancor, Inc. – ADS N-12 WT 1B HDPE

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## 15003-2 SEWER MAIN PRESSURE PIPE

### 2.1 High Density Polyethylene (HDPE) Sewer Pressure Pipe

#### Product Description:

- High Density Polyethylene Pipe

#### Conforming to:

- CGSB 41-GP-25M

#### Product Use:

- Force main construction
- As approved by City of Saskatoon Engineer on a project to project basis
- Joined by butt fusing the ends of the pipe

#### Standard Construction Specification Reference:

- 08002-3.3

#### Approved products: Manufacturer – Model

- KWH Pipe - Sclairpipe
- Performance Pipe
- Polytubes

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## 15003-2 SEWER MAIN PRESSURE PIPE

### 2.2 Polyvinyl Chloride (PVC) Sewer Pressure Pipe

#### Product Description:

- Polyvinyl Chloride DR41 Class 100 Pressure Pipe
- Bell and Spigot type with factory installed gasket

#### Conforming to:

- AWWA C900, CSA137.3

#### Product Use:

- Force main construction
- As approved by City of Saskatoon Engineer on a project to project basis

#### Standard Construction Specification Reference:

- N/A

#### Approved products: Manufacturer – Model

- Ipex Inc.

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### 15003-3 CONCRETE MANHOLES AND CATCH BASINS

#### 3.1 Reinforced Concrete Manhole Barrels and Catch Basins

Product Description:

- Precast reinforced concrete barrels
- Joints shall be the rubber gasket type

Conforming to:

- ASTM C478

Product Use:

- Sewer main construction

Standard Construction Specification Reference:

- Section 08002, City of Saskatoon Standard Drawings for Catchbasins and Manholes

Approved products: Manufacturer – Model

- Expocrete Concrete Products Ltd.
- Inland Concrete Limited

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## 15003-3 CONCRETE MANHOLES AND CATCH BASINS

### 3.2 Manhole Frames and Covers

Product Description:

- Cast Iron Frame and Cover

Conforming to:

- ASTM A48M-00

Product Use:

- Sewer main construction

Standard Construction Specification Reference:

- Section 08002, City of Saskatoon Standard Drawings for Catchbasins and Manholes

Approved products: Manufacturer – Model

- Titan Foundary Ltd.
- Westview Sales Ltd.

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## INDEX

	<u>Page</u>
15004-1 SEWER SERVICE CONNECTION PIPE	2
1.1 Polyvinyl Chloride (PVC) Sewer Service Connection Pipe (100 -200mm)	2
15004-2 SEWER SERVICE CONNECTION FITTINGS	3
2.1 Polyvinyl Chloride (PVC) Fittings (100 -200mm)	3
2.2 Polyvinyl Chloride (PVC) Saddle and Stainless Steel Straps	4
2.3 High Density Polyethylene (HDPE) Pipe Couplings with Stainless Steel Straps	5

## 15004-1 SEWER SERVICE CONNECTION PIPE

### 1.1 Polyvinyl Chloride (PVC) Sewer Service Connection Pipe (100 -200mm)

#### Product Description:

- Polyvinyl Chloride Pipe, SDR 28, Bell and Spigot type with factory supplied rubber gasket

#### Conforming to:

- ASTM D3034

#### Product Use:

- Sewer service connections to Sanitary and Storm mains

#### Standard Construction Specification Reference:

- 08003-2 and 08025-9.1

#### Approved products: Manufacturer – Model

- Ipex Inc. – Ring Tite
- Northern Pipe Products Inc. – Northern Pipe
- Rehau
- Royal Group

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## 15004-2 SEWER SERVICE CONNECTION FITTINGS

### 2.1 Polyvinyl Chloride (PVC) Fittings (100 -200mm)

#### Product Description:

- Polyvinyl Chloride Fittings, SDR28, Bell and Spigot type with factory supplied rubber gasket
- All bends shall be long radius

#### Conforming to:

- ASTM D3034

#### Product Use:

- Sewer service connections to Sanitary and Storm mains

#### Standard Construction Specification Reference:

- 08003-2 and 08025-9.1

#### Approved products: Manufacturer – Model

- Ipex Inc. – Ring Tite
- Northern Pipe Products Inc. – Northern Pipe
- Rehau
- Royal Group
- GPK Products Inc.

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## 15004-2 SEWER SERVICE CONNECTION FITTINGS

### 2.2 Polyvinyl Chloride (PVC) Saddle and Stainless Steel Straps

Product Description:

- PVC Saddle supplied with factory installed seat and joint Gaskets, SDR 28, 100-200mm
- Two Stainless Steel Straps without quick release mechanisms

Product Use:

- Sewer service connections to Sanitary and Storm Mains

Conforming to:

- ASTM D3034

Product Use:

- Sanitary and Storm sewer service connections to Sanitary and Storm Mains

Standard Construction Specification Reference:

- 08003-2.3

Approved products: Manufacturer – Model

- Ipex Inc.
- Royal Group
- GPK Products Inc.

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## 15004-2 SEWER SERVICE CONNECTION FITTINGS

### 2.3 High Density Polyethylene (HDPE) Pipe Couplings with Stainless Steel Straps

#### Product Description:

- High Density Polyethylene (HDPE) pipe couplings with stainless steel straps

#### Product Use:

- When connecting sewer pipe of different types, other than PVC to Acrylonitrile Butadiene Styrene (ABS) pipe
- PVC to Acrylonitrile Butadiene Styrene (ABS) pipe shall be connected with glued ABS Couplings
- As approved by City of Saskatoon Engineer -for sewer connections of the same type of pipe and reducing pipe size applications

#### Standard Construction Specification Reference:

- 08003-2.2

#### Approved products: Manufacturer – Model

- Fernco Connectors Ltd. – Fernco
- Mission Rubber

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## INDEX

	<u>Page</u>
15005-1 CORROSION PROTECTION	2
1.1 Anodes	2
1.2 Corrosion Prevention Tape	3

## 15005-1 CORROSION PROTECTION

### 1.1 Anodes

Product Description:

- Galvanic Zinc Anodes

Conforming to:

- ASTM B418

Product Use:

- Water main construction
- Installed to all valves, hydrants and cast iron fittings to provide corrosion protection

Standard Construction Specification Reference:

- 08000-4.4, 08025-8.2, 08030-11

Approved products: Manufacturer – Model

- Corrpro Canada Inc.
- Canada Metal Eastern Ltd.
- Interprovincial Corrosion Control

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## 15005-1 CORROSION PROTECTION

### 1.2 Corrosion Prevention Tape

#### Product Description:

- Corrosion Prevention Primer and Tape

#### Conforming to:

- AWWA C217

#### Product Use:

- Water Main construction

#### Standard Construction Specification Reference:

- 08000-4.2

#### Approved products: Manufacturer – Model

- Denso North America Inc. - Denso Paste and Tape
- Polyken – 927 primer, 932 tape
- PetroWrap

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