

**APPENDIX A
APPROVED LIST OF MATERIALS AND MANUFACTURES**

1.0 Introduction

This section contains the suggested list of manufacturers as approved by the Town of Whitecourt. The utilization of alternative manufacturing and supplying sources will require approval by the Town and the Engineer.

1.1 Sewer Services

1.1.1 PVC Pipe to ASTM D3034 (or current) Designation; DR 28 for 100mm service connections, DR35 200mm or larger

1.1.2 PVC Saddles equal to Scepter PSM & PVC in-line wyes or tees. Other materials can be used at the discretion of the Town Engineer.

1.2 Water Services

1.2.1 Copper Tubing; Type K Soft

1.2.2 Emco Main Stops

1.2.3 Curb Stops

.1 EMCO, Ball Valve (S & D)

a) 19 mm (3/4 inch)

b) 25 mm (1 inch)

c) 37 mm (1-1/2 inch)

d) 50 mm (2 inch)

.2 Mueller, Oriseal (not preferred)

1.2.4 All Service Saddles to be Bronze or Epoxy coated.

.1 Robar Double Band Stainless Steel TC or NC Romac Double Band Stainless Steel TC

1.2.5 Service Boxes (2.8-3.5 meter bury) (min. schedule 40 wall thickness)

.1 For pipe sizes up to 25 mm diameter

Trojan Stainless Steel B1 (when specified) of Norwood Foundry C100

.2 For pipe sizes over 25 mm Diameter
Mueller A714 of Norwood Foundry C200

- .3 Required Rods and Keys
 - a) Use 16 mm flat top rod and 6 mm (1/4 inch) brass key for 19 mm and 25 mm curb stops
 - b) Use 22 mm flat top rod and 6 mm (1/4 inch) brass key for larger curb stops
- .4 Service boxes to be epoxy coated or galvanized with stainless steel extension rods.

1.3 Water main Pipe

1.3.1 PVC Water Pipe AWWA C-900 Class 1035 Kpa (150 psi) to 300 mm, C-905 for larger

1.3.2 Concrete - Steel Cylinder Water Pipe AWWA C-301 and C-303

1.4 PVC Fittings (100-200 mm)(Pressure Pipe)

1.4.1 In accordance to AWWA C907-91

1.5 Valves

Gate Valves (AWWA C500)

Butterfly Valves (AWWA C504) Pratt

NOTES:

- 1. All valves to be fully bronze-mounted, double disc, with resilient seat, unless specified otherwise.
- 2. Valves to be epoxy coated with #316 stainless steel nuts and bolts.
- 3. Class 1035 Kpa gate valves to be used for pipe sizes up to 300 mm, and butterfly valves for pipes greater than 300 mm with a flanged coupling adapter on one end.

1.6 Fire Hydrants

1.6.1 Canada Valve Century Compression, Style B-50, Model B-24

1.7 Valve Casing (for all sizes)

1.7.1 Norwood Foundry - Type A; c/w 1.2 m upper, 1.5 m lower and 0.18 to 0.45 m intermediate sections

1.8 Transition Couplings

1.8.1 Romac Style 501 Stainless Steel Bolts Teflon Coated, Robar Stainless Steel, TC or NC

1.9 Repair Clamps

1.9.1 Robar Stainless Steel Type 2 and Romac Stainless Steel Type 2

1.10 Sewer Main Pipe (Storm or Sanitary)

1.10.1 PVC DR35 certified to meet CSA Standards B182.1 or B182.2 and conforming to ASTM D3034 (See Sewer Services for manufacturers and suppliers)

1.10.2 Sanitary Sewage force main pipe shall be polyethylene (PE) pressure pipe with butt-fusion jointing, meeting CSA Standard B137.0 and B137.1 (see Sewer Services for manufacturers and suppliers)

1.10.3 Concrete pipe for storm sewers will be sulfate resistant cement conforming to ASTM C14-nonreinforced concrete pipe; or ASTM C76 reinforced pipe, latest revisions thereof.

1.10.4 High density polyethylene (HDPE) for storm sewers conforming to ASTM D3350 Polyethylene Plastic Pipe and Fitting Materials, latest revision thereof upon approval of the Town.

1.11 Manholes and Catch Basins

1.11.1 Manhole Frame and Cover F-39

1.11.2 Catch Basin F-33, F-36, F-38, F-51

1.11.3 Catch Basin K-2

1.11.4 Manhole frame and cover floating NF-80

1.12 Hot Tap Sleeves

1.12.1 FTS-420 Stainless Steel Bolts Teflon Coated c/w Canada Valve 56T and Robar 6906 Stainless Steel Bolts Teflon Coated c/w Romac 5ST

1.13 Street Signs

1.13.1 In accordance to the "Manual of Uniform Traffic Control Devices" from T.A.C. and Town of Whitecourt Standardization of Design