

SEWER AND WATER MATERIAL LIST

FIRE HYDRANT

- Clow Medallion
- Mueller Centurion
- Waterous Pacer

All hydrants shall be equipped with 5 and ¼ inch openings. Three (3) way hose connections shall include two (2) 2 and ½ inch nozzles with NST and one (1) STORZ fitting with locks and caps. Hydrants shall be one (1) piece construction from the traffic breakaway flange to the shoe. The shoe shall have mechanical joints.

VALVE

- Clow Mechanical Joint Resilient Wedge (6100 Series)
- Mueller Mechanical Joint Resilient Sear (2360 Series)
- AFC Mechanical Joint Resilient Wedge (2500 Series)

All valves shall open to the left.

VALVE BOX

- Tyler Cast Iron (664S)

A valve box stabilizer is required on each valve box.

CORPORATION STOP AND CURB STOP

- Mueller
- A.Y. McDonald

Applicable for only 1 inch and 2 inch connections.

BUFFALO BOXES

- Mueller (H10300)
- A.Y. McDonald (5614)

MECHANICAL JOINT TAPPING SLEEVE

Tapping sleeves shall be stainless steel with a ductile flange (ROMAC or SMITH-BLAIR).

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REPAIR CLAMP

- ROMAC

SANITARY SEWER PIPE

Sanitary sewer pipe shall be polyvinyl chloride pipe (SDR 26) conforming to ASTM-3034 (PSM) for sizes ranging from 4 inches to 15 inches and to ASTM F-679 for sizes ranging from 18 inches to 27 inches. The required ASTM number and cell number (12454-B or 12364-C) shall appear on the pipe. All joints shall meet ASTM D-3212 requirements. **Pipes and fittings not marked with the proper classification will be rejected.**

WATER MAIN PIPE

Water main pipe shall be cement lined (ANSI 21.4) Class 52 (ANSI 21.51) ductile iron with push on or mechanical joints (ANSI-21.10-11).

MANHOLE CHIMNEY SEALS

Rubber internal or rubber internal/external chimney seals with stainless steel expansion bands are required on all new and existing sanitary manholes.

FLOW METERS

- Krohne-Aquaflux (electromagnetic)

FORCE MAINS

Force mains shall be Ductile Iron – Class 51. The normal operating pressure of sanitary force mains is between 20 psig and 125 psig. Hydrostatic testing shall be performed to 125 psig max.

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COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 11/27/2012 11:52:48 AM
 FILE NAME: 8610382-det_04.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-trans.tbl



USER NAME = spenel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/27/2012	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CITY OF WOODSTOCK STANDARDS AND DETAILS	
SCALE:	SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	27R-2	MCHENRY	673	470
CONTRACT NO.			62268	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				