

**TOWN OF AGAWAM**  
**SEWER MATERIALS**

Rev 5/31/2011

**SEWER MAIN**

POLY-VINYL CHLORIDE - SDR 35 ASTM -D3034  
BELL AND SPIGOT - ALL PIPE TO BE "RING TITE" (RUBBER GASKET)  
4" MINIMUM IN SIZE

**MANHOLE COVER**

RAISED DIAMOND SURFACE DESIGN  
COVER TO READ "SEWER" IN 3" HIGH LETTERS  
30" DIAMETER (202.8.1)  
COVER TO EQUAL TO "LEBARON L 32C19"

**MANHOLE FRAME**

30" TYPE 'C' 202.7.1  
TOTAL WEIGHT OF FRAME & COVER = 551 LBS  
FRAME TO BE EQUAL TO "LEBARON LC 328"

**PRECAST CONCRETE MANHOLE SECTIONS**

ASTM C478 PRECAST REINFORCED CONCRETE 202.6.1  
30" DIAMETER OPENING  
5" THICK FOR 48" DIA., 6" THICK FOR 60" DIA., 7" THICK FOR 72" DIA. SECTIONS  
CONCRETE COMPRESSIVE STRENGTH 3000 PSI AND NOT BEFORE 5 DAYS OF  
FABRICATION  
H2O LOADING PLUS THE WT. OF SOIL ABOVE 120 PCF  
6" EXTENDED BASE  
TOPS TO BE ECCENTRIC CONE SECTIONS UNLESS SHALLOW COVER REQUIRES A  
FLAT TOP SECTION LESS THAN 4'.

**PREFORMED FLEXIBLE JOINT SEALANT FOR MANHOLES**

KENT SEAL NO. 2 OR EQUAL  
"O" RING GASKETS ASTM C443

**MANHOLE PIPE CONNECTIONS**

"LOCK JOINT FLEXIBLE SLEEVE" CAST IN PRECAST BASE WITH STAINLESS STEEL  
STRAP WITH BITUMINOUS COAT  
KOR-N-SEAL JOINTS WITH STAINLESS STEEL CLAMP WITH BITUMINOUS COAT

**BRICK MASONRY**

HARD CLAY UNIFORM BRICKS  
ASTM C32 FOR INVERTS, GRADE SM  
ASTM C32 FOR LEVELING FRAMES, GRADE MS

**RUNGS**

14" WIDE WITH ABRASIVE STEP SURFACE  
DROP FRONT DESIGN  
CONFORMING TO OSHA REQUIREMENTS  
CAST ALUMINUM ALLOY 6061-T6 OR STEEL REINFORCED, COPOLYMER,  
POLYPROPYLENE, PLASTIC

**CLEANOUT COVER**

"NEENAH" R-7506 SERIES  
FLOOR BOX AND LID, OR EQUAL  
W/ S.S. CAP SCREW LID CLOSURE  
ENCASED 24" SQUARE CLASS "A" CONCRETE

**HOUSE CONNECTIONS:**

4" DIA. PVC SEWER PIPE AND FITTINGS  
TO BE ASTM D-3034 SDR - 35  
ALL BENDS SHALL BE LONG SWEEP  
1/4" / FT SLOPE MINIMUM

**LATERAL CONNECTIONS**

TEE WYE OR 45 DEG. TEE WYE  
WHERE NEEDED EJP K-3 FLEXIBLE SEWER  
SADDLE OR EQUAL  
RIGID PVC SDR-35 ASTM D-3034 SADDLES

**BEDDING MATERIAL**

3/4" CRUSHED STONE (MIN. 6" BED AND 6" COVER)  
NOTE: MIRAFI-TYPE, NON-WOVEN GEOTEXTILE MAY BE REQUIRED BY DPW

**REQUIRED TESTING**

SANITARY MANHOLES REQUIRE VACCUM TESTING  
SANITARY SEWER MAINS REQUIRE AIR PRESSURE TESTING  
SANITARY SEWER MAINS ARE REQUIRED TO UNDERGO DEFLECTION TESTING

ALL TESTING TO BE OBSERVED BY AND MEET THE REQUIREMENTS OF THE  
TOWN ENGINEER OR THEIR DESIGNEE