



1. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWERS SHALL COMPLY WITH SECTION 652.03 OF THE STANDARD SPECIFICATIONS FOR SEWERS AND WATER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
2. CONTRACTOR MAY BEND WATER MAIN PIPE UNIFORMLY UNDER SEWERS WITHOUT USING FITTINGS PROVIDED THAT JOINT DEFLECTION DOES NOT EXCEED 5 DEGREES PER JOINT FOR PIPE UNDER 14" IN SIZE AND 3 DEGREES PER JOINT FOR PIPE 14" AND OVER IN SIZE. IF FITTINGS ARE USED, CONTINUOUS STRAPPING WITH RODS, STRAPS, NUTS, AND BOLTS BELOW NORMAL WATER MAIN DEPTH ARE REQUIRED OR RETAINER GLANDS MAY BE USED IN LEU OF STRAPPING. RETAINER GLANDS TO BE CLOW NO. F-1058. OR APPROVED EQUAL.
3. ALL SANITARY SEWER (INCLUDING SERVICE) CROSSINGS WHERE THE WATER MAINS OR WATER SERVICES ARE LESS THAN 18" VERTICALLY ABOVE THE SEWER SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE (SDR 26-160 PSI) AND SHALL CONFORM WITH THE LATEST REVISION OF ASTM SPECIFICATION D-2241. JOINTS SHALL CONFORM TO ASTM D-3139 AND ELASTOMERIC GASKETS SHALL CONFORM TO ASTM F-477. THE SAME PIPE AND JOINT MATERIAL SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
4. ALL STORM SEWER CROSSINGS WHERE THE WATER MAINS OR WATER SERVICES ARE LESS THAN 18" VERTICALLY ABOVE THE STORM SEWER. SHALL BE REINFORCED PRECAST CONCRETE SEWER PIPE, ASTM C-76 OR C-361 PIPE WITH RUBBER GASKET JOINTS PER ASTM C-443, OR PVC SDR 26 AS SPECIFIED IN NOTE 3 ABOVE. THE SAME PIPE AND JOINT MATERIAL SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
5. COMPACTED MATERIAL BELOW SEWER SHALL CONFORM TO STANDARD SPECS.

FILE NAME =	USER NAME = default	DESIGNED - DRH	REVISED -
P:\Projects\513501\CADD\DN\0876885-shd	drawn-details.dgn	DRAWN - DRH	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - VAM	REVISED -
	PLOT DATE = 1/25/2013	DATE - 01/25/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN CONNECTION DETAILS

SCALE: SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600	60-(30,31,128)-3	MADISON	529	233
CONTRACT NO. 76B85				
ILLINOIS FED. AID PROJECT				