

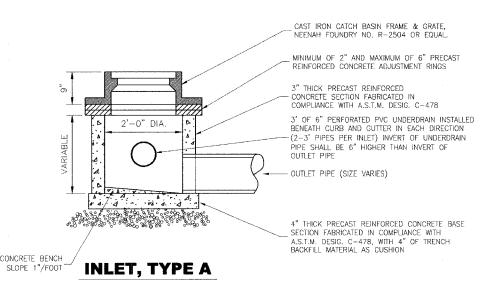
RESTRICTED DEPTH COMBINED MANHOLE

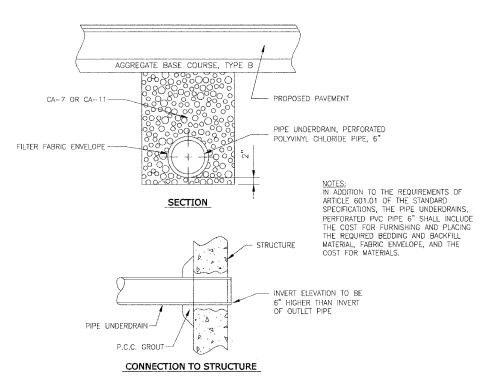
DUCTILE IRON PIPE SPECIFICATIONS

1. ALL DUCTILE IRON PIPE WATER MAINS AND SEWER MAINS SHALL BE CLASS 52, CEMENT-LINED AND TAR-COATED, MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C151/A21.51 WITH "PUSH-ON" JOINTS MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C111/A21.11. WHERE SPECIFIED ON THE PLANS, OR IN THE SPECIFICATIONS, MECHANICAL JOINTS AND "LOCK-TYPE" JOINTS SHALL BE USED IN LIFU OF "PUSH-ON" JOINTS.

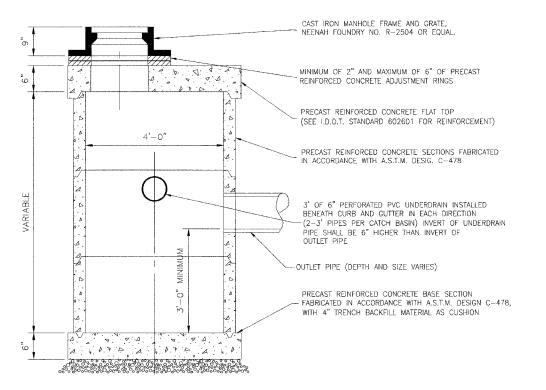
2. ALL PIPE FITTINGS AND SPECIAL CASTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C153/A21.53 AND ANSI/AWWA C111/A21.11 SPECIFICATIONS AND SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS 150 DUCTILE IRON PIPE. IF CERTAIN FITTINGS ARE NOT MANUFACTURED IN DUCTILE IRON, CAST IRON FITTINGS SHALL BE ACCEPTABLE. MECHANICAL JOINT TYPE FITTINGS SHALL BE

3. ALL PROPOSED DUCTILE IRON PIPE WATER MAIN AND SEWER MAIN WILL BE ENCASED WITHIN FOUR (4) MIL THICK, HIGH-DENSITY POLYETHYLENE TUBING. ALL FITTINGS SHALL BE ENCASED IN A DOUBLE-LAYER OF POLYETHYLENE TUBING. THE POLYETHYLENE MATERIAL SHALL BE MANUFACTURED AND INSTALLED IN COMPLIANCE WITH ANSI/AWWA C105/A21.5. ALL PROPOSED WATER AND SEWER SERVICES SHALL BE ENCASED IN POLYETHYLENE TUBING FOR A MINIMUM DISTANCE OF THREE FEET (3') FROM THE PROPOSED WATER MAIN AND SEWER MAIN.

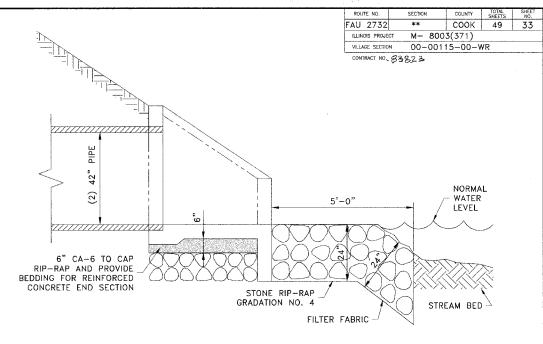




PIPE UNDERDRAIN DETAIL



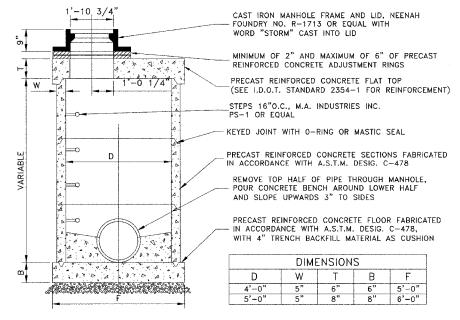
RESTRICTED DEPTH CATCH BASIN



42" REINFORCED CONCRETE END SECTION RIP-RAP DETAIL

NOTES:

1. NEENAH R-5050-SF42 AUTOMATIC DRAINAGE GATE ATTACHED TO EACH 42" STORM SEWER OUTLET PIPE



RESTRICTED DEPTH STORM MANHOLE

ENGINEERING Civil Engineers Municipal Consultants Established 1911

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PRAIRIE AVENUE IMPROVEMENTS PHASE I **VILLAGE OF BROOKFIELD, ILLINOIS**

DRAINAGE AND UTILITY DETAILS

	SCALE: NONE
	DRAWN BY: MK/LEV
	BOOK NO.: #1475, #1504
	DATE: 11-04-05
SION:	E.H.E. NO.: 125-04-26301