**HEUER AND ASSOCIATES** 

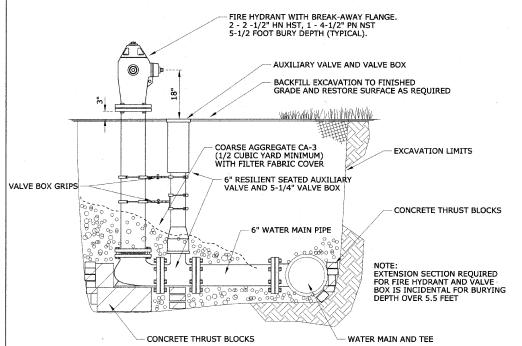
Consulting Engineers

2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

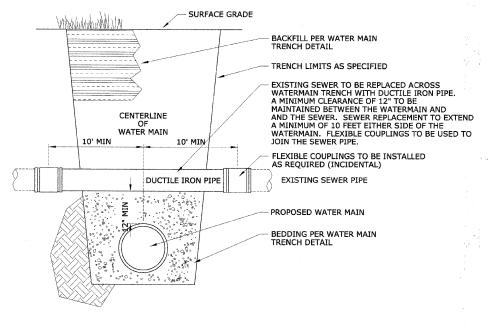
TOTAL SHEET SHEETS No. SECTION COUNTY 46 45 TO STA.

CONTRACT No. 63007

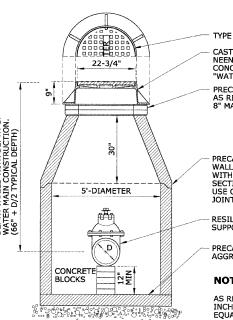
NOTE: FIRE HYDRANT TO CONFORM TO VILLAGE OF LA GRANGE STANDARDS



FIRE HYDRANT INSTALLATION DETAIL



**SEWER CROSSING DETAIL** 



TYPE B CLOSED LID

- CAST IRON FRAME AND CLOSED LID, NEENAH R-1713 OR EQUAL WITH TYPE "F" CONCEALED PICKHOLE AND WORD "WATER" CAST INTO COVER PATTERN

PRECAST CONCRETE GRADE RINGS AS REQUIRED, 2" MINIMUM HEIGHT, 8" MAXIMUM HEIGHT

PRECAST CONCRETE STRUCTURE WITH 5" MINIMUM PRECAST CONCRETE STRUCTURE WITH 5" MINIMUM WALL THICKNESS, FABRICATED IN ACCORDANCE WITH ASTM C478. CONCENTRIC TRANSITION CONE SECTION TO BE USED UNLESS ELEVATION REQUIRES USE OF FLAT TOP SECTION. PRECAST SECTION JOINTS TO BE KEYED WITH MASTIC SEALANT.

RESILIENT SEATED GATE VALVE WITH BLOCKING SUPPORT AS REQUIRED

PRECAST CONCRETE BOTTOM SLAB WITH 4" AGGREGATE BEDDING LAYER

AS REQUIRED INSTALL A ONE INCH (1") OR A TWO INCH (2") CORPORATION STOP (MUELLER H15000 OR EQUAL) (INCIDENTAL)

## WATER VALVE VAULT, TYPE A, 5'-DIAMETER WITH RESILIENT SEATED GATE VALVE AND TYPE 1 FRAME AND CLOSED LID

REVISIONS		ILLINOIS DEDARTMENT	T OF TRANSPORTATION	
NAME	DATE	ILLINOIS DEPARTMEN	OF TRANSPORTATION	
			IMPROVEMENTS AGE 1	
		CONSTRUCTION	DETAILS - SPECIAL	
		SCALE: NTS	DRAWN BY H&A	
		DATE 07/18/2008	CHECKED BY DEH	