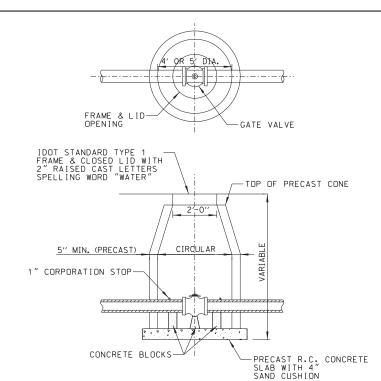


SIZE OF PIPE	TAPPING TEES, SLEEVES				90° BENDS				45° BENDS OR LESS						
	AND PLUGS														
	H1	Н	٧	D	C. FT.	H1	Н	٧	D	C. FT.	H1	Н	٧	D	C. FT.
12''	54''	30"	24"	24''	13.40	54′′	32''	36′′	36''	18.15	42''	18′′	24"	24''	9.60
8′′	36′′	18''	18''	18''	5.05	39''	18′′	24''	18′′	7.50	30′′	11''	18′′	18′′	3.95
6′′	24''	16''	18''	18''	3.50	30′′	16′′	18′′	18′′	4.05	24''	10′′	16"	18′′	3.20
4′′	20"	13''	15"	15"	2.15	24"	12"	13''	13''	1.75	20"	8′′	12"	12"	1.20

WATERMAIN THRUST BLOCKING - TABLE A

NOTE:
THRUST BLOCKING TO BE INSTALLED AT ALL HORIZONTAL AND VERTICAL BENDS, CAPS, VALVES,
HYDRANTS AND AT LOCATIONS DIRECTED BY ENGINEER. THRUST BLOCK TO BE READY MIXED
PORTLAND CEMENT CONCRETE, PLACED BETWEEN SOLID GROUND AND FITTING, AND SHALL BE
ANCHORED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESABLE FOR REPAIR. ALL
ENDS OD 11/4" OR MORE, ALL TEES AND ALL PLUGS SHALL BE PROTECTED AS SHOWN, WHERE
CONDITIONS PREVENT THE USE OF CONCRETE THRUST BLOCKS, RESTRAINED JOINTS OF A TYPE
APPROVED BY THE ENGINEER MAY BE USED.



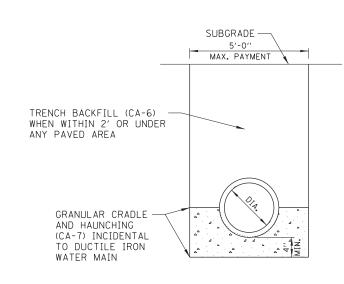
NOTE:
THE CONTRACT UNIT PRICE FOR VALVE VAULTS TYPE A SHALL INCLUDE THE FRAME AND CLOSED LID, AND COMPACTED TRENCH BACKFILL. PRECAST REINFORCED CONCRETE RISERS ARE TO BE LAID IN MASTIC JOINTS WITH FLUSH JOINTS, FURNISHING AND INSTALLING SAND CUSHION TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VALVE VAULT, TYPE A.

STANDARD TYPE "A" VALVE VAULT

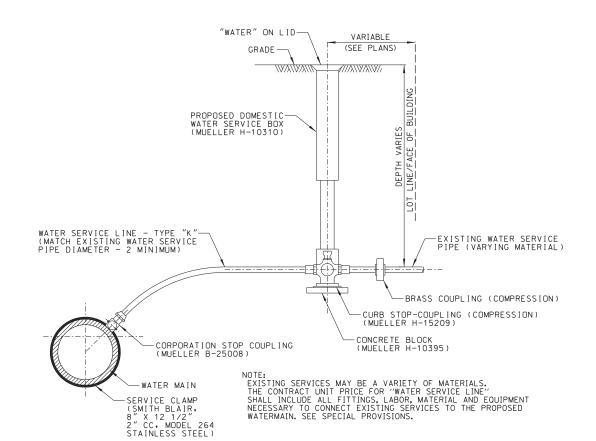
FIRE HYDRANT SPECIFICATIONS: TYPE: MUELLER CENTURION A-423

MUNICIPALITY: VILLAGE OF ROSEMONT

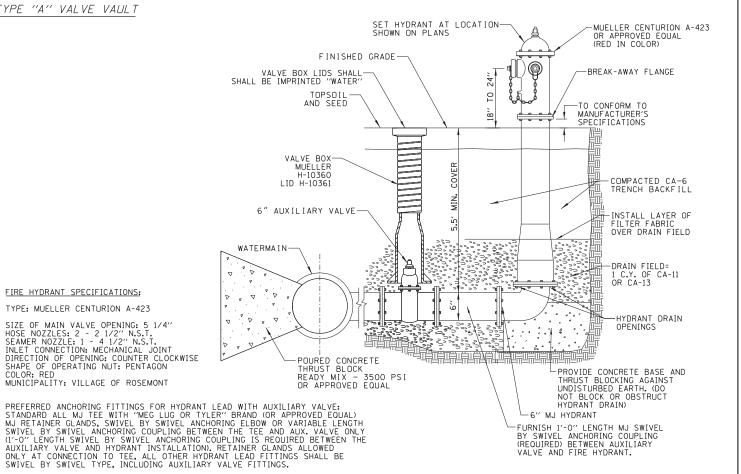
SCALE:



TYPICAL TRENCH DETAIL FOR WATER MAIN



TYPICAL WATER SERVICE CONNECTION N.T.S.



FIRE HYDRANT WITH AUX. VALVE AND VALVE BOX N. T. S.

	USER NAME = vracich	DESIGNED	VMR	REVISED	-
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600		DRAWN	PM	REVISED	-
Rosemont, IIIInols 60018	PLOT SCALE = N/A	CHECKED	MW	REVISED	-
	PLOT DATE = 10/2/2012	DATE	10/19/2012	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION COUNTY MANNHEIM ROAD 330 0105-WRS COOK 537 WATER MAIN RELOCATION DETAILS CONTRACT NO. 60P35 SHEET NO. OF SHEETS STA.