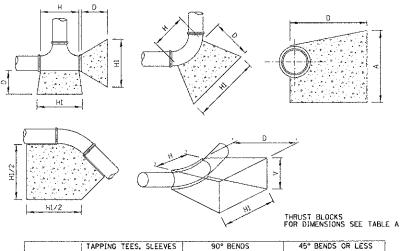


- NOTE:
 1. OMIT GRANULAR CRADLE FOR PROPOSED WATER MAIN
- PLACE 1.0' OF CLASS IV MATERIAL OVER THE LENGTH OF THE WATER MAIN AND COMPACT TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.
- 3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

PROPOSED WATER MAIN BELOW EXISTING SEWER

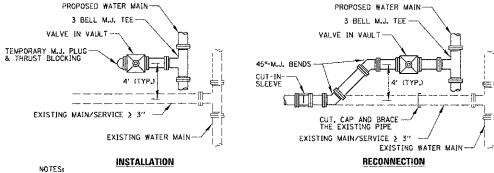


	TAPPING TEES, SLEEVES				90° BENDS				45° BENDS OR LESS						
SIZE OF PIPE	AND PLUGS														
ļ	H1	Н	٧	D	C. FT.	H1	H	٧	D	C. FT.	HI	Ħ	٧	D	C. FT.
12"	54"	30"	24"	24"	13.40	54"	32"	36"	36"	18.15	42"	18"	24"	24"	9.60
B''	36"	18"	18"	18"	5.05	39"	18"	24"	18"	7.50	30"	11"	18"	18"	3.95
6"	24"	16"	18"	18"	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

WATER MAIN 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 PRE-CAST
 PORTLAND CEMENT CONCRETE, PLACED BETWEEN SOLID GROUND AND FITTING, AND SHALL BE
 ANCHORDED IN SUCH A MANNER THAT PIPE AND FITTING WILL BE ACCESSABLE FOR REPAIR. ALL
 ENDS OD 11 1/4 " 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.
- 2. ALL CONCRETE THRUST BLOCKS SHALL HAVE BENT REBAR WHICH IS INCIDENTAL TO THE WATER MAIN.





INSTALLATION

- AFTER THE EXISTING WATER MAIN OR SERVICE IS CUT AT THE NOTED LOCATION, CONTRACTOR SHALL DETERMINE THE DISTANCE TO THE NEXT JOINT WITH A FEELER ROD. IF THE DISTANCE IS SIX (6) FEET OR MORE, THAN COMPLETE THE CONNECTION IF THAT DISTANCE IS LESS THAN SIX (6) FEET, EXTEND THE NEW PIPE AND CONNECT.
- AFTER THE NEW WATER MAIN IS APPROVED, CUT, CAP AND BRACE THE EXISTING MAIN SERVICE. REMOVE TEMPORARY PLUG AND CONNECT MAIN SERVICE TO THE VALVE. SWAB THE NEW PIPE WITH 1% HTH CHLORINE SOLUTION DURING THE INSTALLATION.
- 3. MEGALUGS OR APPROVED EQUAL TO BE USED WITH ALL M.J. FITTINGS.

WATER MAIN/SERVICE INSTALLATION AND RECONNECTION

CHRISTOPHER B. BURKE	USER NAME = cbosc1:	DESIGNED CJM	REVISED -		WATER MAIN	F.A.U RTF.	SECTION	COUNTY TOTA	AL SHEET
ENGINEERING, LTD. 9575 W Higgins Road, Suite 600		DRAWN MAK	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS	1441	12-00073-01-TL	KANE 8	38 79
Rosemant, Illinois 60018	P. 03 SC40E = 20	CHECKED LMF	REVISED -					CONTRACT NO.	63763
(847) 823-0500	FLOT DATE = 10/23/2012	DATE -	REVISED -		SCALE: NTS SHEET 79 OF 88 SHEETS STA. TO STA.		ILLINOIS FED. AID	PROJECT	
Pr\110219.000001\55yx1\DET_64_110219.00001.dgn			•						