

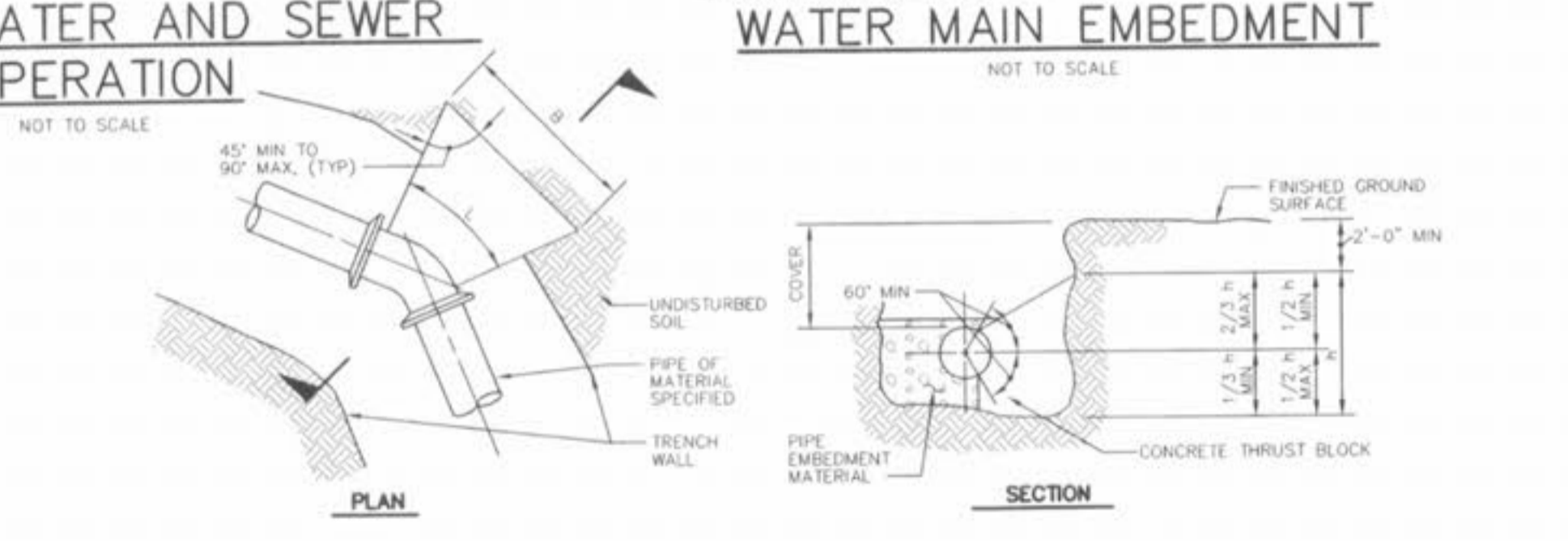
BENDS	"b"	"c"	"d"	"e"	"f"
6"-11 1/4"	8"	15"	12"	24"	10"
8"-22 1/2"	8"	18"	12"	24"	13"
8"-45"	8"	30"	12"	24"	14"
8"-90"	8"	30"	12"	24"	27"
8"-1 1/4"	8"	20"	12"	24"	10"
8"-22 1/2"	8"	22"	12"	24"	17"
8"-45"	8"	30"	12"	24"	24"
8"-90"	8"	36"	12"	24"	36"
12"-11 1/4"	8"	30"	12"	24"	15"
12"-22 1/2"	8"	35"	12"	24"	25"
12"-45"	8"	40"	12"	24"	40"
12"-90"	8"	60"	12"	24"	52"

TEES	"d"	"h"	"j"	"k"
6"x6"x6"	12"	24"	24"	18"
8"x8"x8"	12"	24"	24"	18"
8"x8"x8"	12"	24"	24"	24"
12"x12"x6"	12"	24"	24"	18"
12"x12"x6"	12"	24"	24"	24"
12"x12"x12"	12"	36"	24"	36"

CUBIC FEET OF CONCRETE REQUIRED	BEND	11 1/4"	22 1/2"	45"	90"
6"	1.7	2.4	3.5	5.5	
8"	2.1	3.1	5.0	8.5	
12"	3.7	5.9	9.7	17.5	

TEE X	6"	8"	12"	PLUG
6"	4.0	-	-	4.0
8"	4.0	5.0	-	5.0
12"	4.0	5.5	10.5	10.5

BACKING BLOCKS NOT TO SCALE



NOTES:

- AREA OF BLOCK, A = B/h. BLOCK AREAS ARE SHOWN ON GENERAL LAYOUT OR TABLE.
- B = h = 1/2", EXCEPT WHERE TOP OF BLOCK IS WITHIN 2 FEET FROM GROUND SURFACE, THEN B = A/h.
- MINIMUM BLOCK DIMENSION (B & h) SHALL BE AT LEAST O.D. OF PIPE OR 1 FOOT FOR PIPE O.D. 12" OR LESS.
- THE BOTTOM OF THE BLOCK SHALL EXTEND AT LEAST TO THE BOTTOM OF THE TRENCH IN ALL CASES.
- L = FITTING LENGTH MINUS CLEARANCE FOR BELLS.
- DETAIL IS SHOWN FOR CAST IRON PIPE. DETAIL IS SIMILAR FOR OTHER TYPES OF PIPE.
- DIMENSIONS FOR THRUST BLOCKS FOR FIRE HYDRANT ASSEMBLY ARE SHOWN FIRE HYDRANT ASSEMBLY DETAIL.

SIZE	BEND	THRUST AREA	B	H
16"	11 1/2"	4 SF	2'	2'
16"	22 1/2"	8 SF	2.8'	2.8'



CITY OF O'FALLON FILE NUMBER: 3104.01

CITY OF O'FALLON
COMMUNITY DEVELOPMENT
DESIGN DIVISION
O'FALLON, MISSOURI



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DESIGNED: _____
CHECKED: _____
DATE: _____
PROJECT NO.: _____
SHEET _____ OF _____

REVISED PER CITY OF O'FALLON COMMENTS
06/24/05

IMPROVEMENT PLANS
ELK RIDGE
WATER DETAILS 1

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