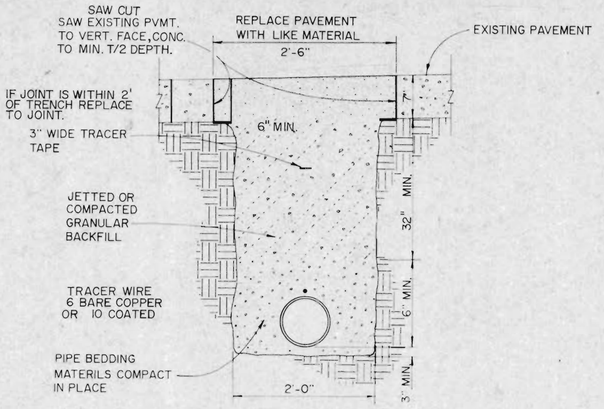
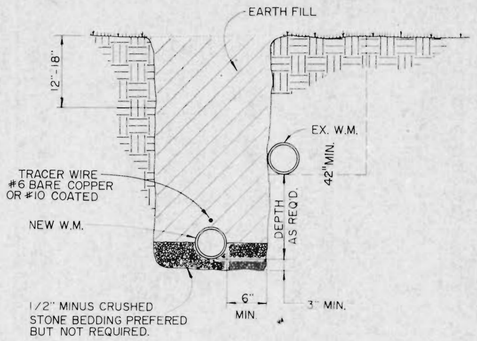
HIDDEN MEADOWS
CONSTRUCTION DETAILS
Dec. 1995 Job No. 95-175



TYPICAL PAVED STREET OR ROAD TRENCH BACKFILL & SURFACE REPLACEMENT DETAIL

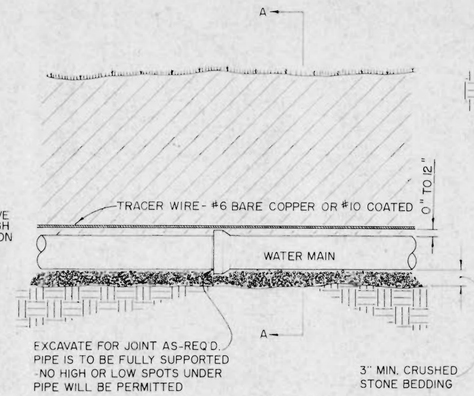
N.T.S.

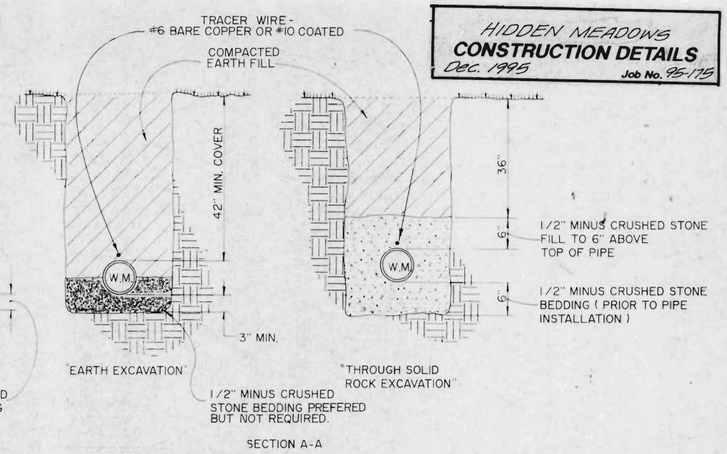


TYPICAL WATER MAIN LOWERING DETAIL

N.T.S.

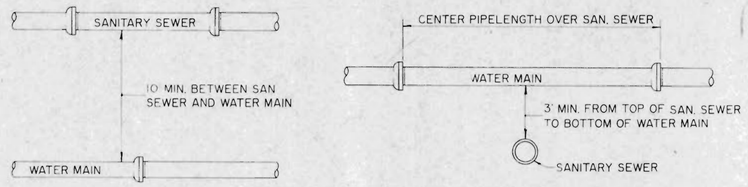
SPLICE WIRE AT VALVE BOXES. LEAVE ENOUGH LEAD FOR CONNECTION TO POWER.





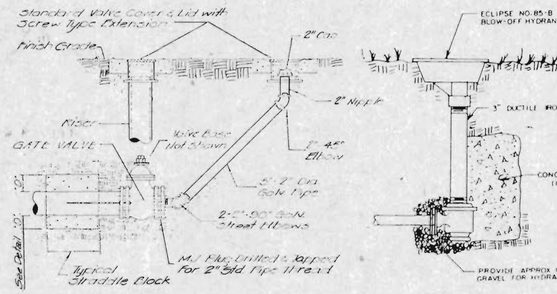
TYPICAL WATER MAIN INSTALLATION DETAIL

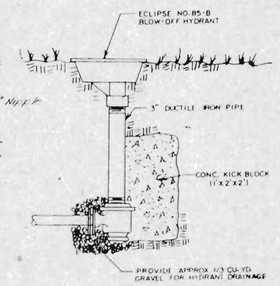
N.T.S.



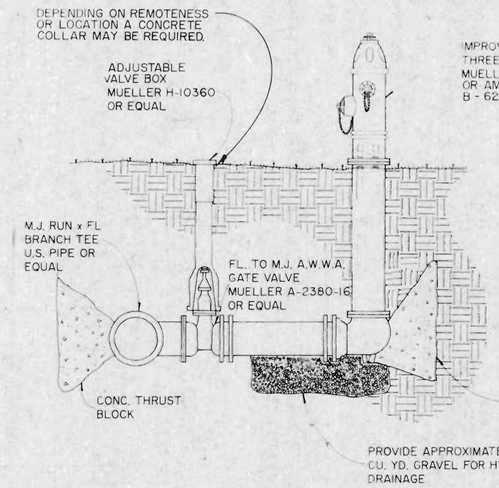
TYPICAL WATER & SEWER SEPARATION

N.T.S.





BLOW - OFF DETAILS



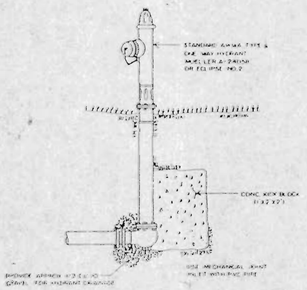
IMPROVED A.W.W.A. TYPE THREE-WAY HYDRANT MUELLER CENTURION A-423 OR AMERICAN DARLING B-62-B

NOTE: FOR 6" W.M. AND LARGER 6" 3-WAY HYDRANTS ARE TO BE USED

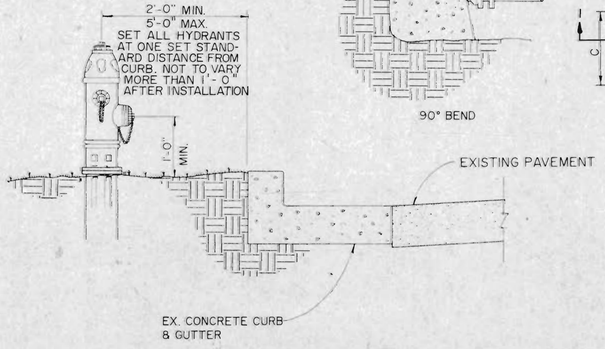
CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO INSURE THAT HYDRANT DRAIN (WEEP HOLE) REMAINS OPEN

FIRE HYDRANT INTALLATION DETAIL

N.T.S.

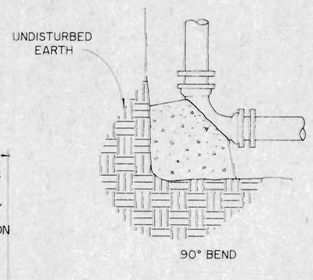


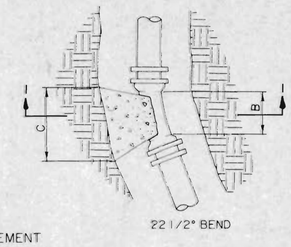
FLUSHING HYDRANT

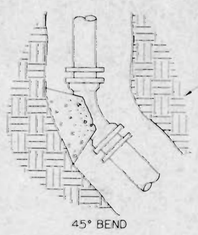


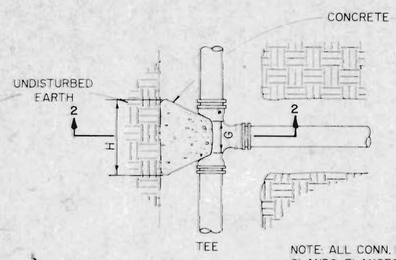
TYPICAL FIRE HYDRANT LOCATION DETAIL

N.T.S.

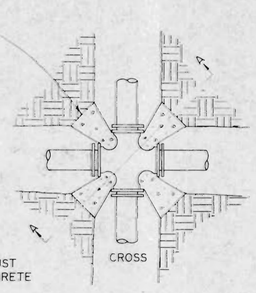


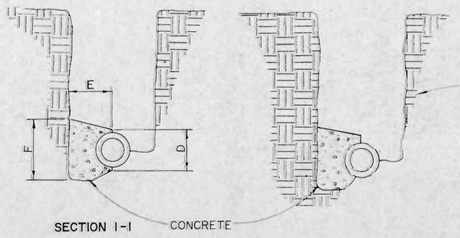


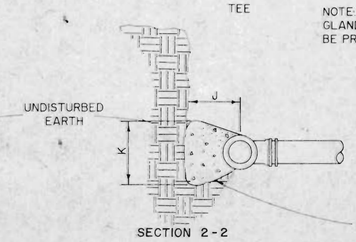


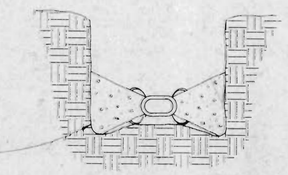


NOTE: ALL CONN. BOLTS, GLANDS, FLANGES, ETC. MUST BE PROTECTED FROM CONCRETE









TYPICAL THRUST BLOCK DETAILS

N.T.S.

SECTION 1-1

BENDS	A	B	C	D	E	F
6"-11 1/4°	6"	12"	12"	24"	12"	12"
6"-22 1/2°	6"	19"	12"	24"	12"	13"
6"-45°	6"	30"	12"	24"	12"	14"
6"-90°	6"	30"	12"	24"	12"	27"
8"-11 1/4°	8"	20"	12"	24"	12"	10"
8"-22 1/2°	8"	22"	12"	24"	12"	17"
8"-45°	8"	30"	12"	24"	12"	24"
8"-90°	8"	38"	12"	24"	12"	36"
12"-11 1/4°	8"	30"	12"	24"	12"	15"
12"-22 1/2°	8"	35"	12"	24"	12"	25"
12"-45°	8"	40"	12"	24"	12"	42"
12"-90°	8"	60"	12"	24"	12"	52"

SECTION 2-2

TEES	G	H	J	K
6"x6"x6"	12"	24"	24"	18"
8"x8"x6"	12"	24"	24"	18"
8"x8"x8"	12"	24"	24"	24"
12"x12"x6"	12"	24"	24"	18"
12"x12"x8"	12"	24"	24"	24"
12"x12"x12"	12"	30"	24"	36"

CUBIC FEET OF CONCRETE REQUIRED

BEND	11 1/4°	22 1/2°	45°	90°
6"	1.7	2.4	3.5	3.5
8"	2.1	3.1	5.0	6.5
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"	4.5	5.5	10.5	10.5

THRUST BLOCK SCHEDULE

NOTES:
1. 2"& 4" FITTINGS EQUIVALENT TO 6" FITTINGS.
2. TAPPING SLEEVES TO HAVE BACKING BLOCKS SAME SIZE AS REQUIRED FOR TEES

GENERAL NOTES

1. At road or driveway crossings, or under public paved areas, trench backfill is to be crushed stone or gravel, compacted by water jetting or by mechanical tamping in ten inch lifts to achieve 90% compaction determined by the Modified AASHTO T-180 Compaction Test.
2. All other trench backfill shall be placed in the trench and compacted by jetting or mechanical means to a density adequate to prevent ditch settlement.
3. All connections to the City water system shall be subject to the City Backflow Prevention Ordinance (Ordinance #1592) and all other regulations that may be adopted from time to time by the United States Environmental Protection Agency, the Missouri Department of Natural Resources, or the City of O'Fallon, Missouri.

NOTE: 4" WATERMAIN IS FOR SERVICE LINES ONLY!

CITY OF O'FALLON, WATER MAIN DETAILS