

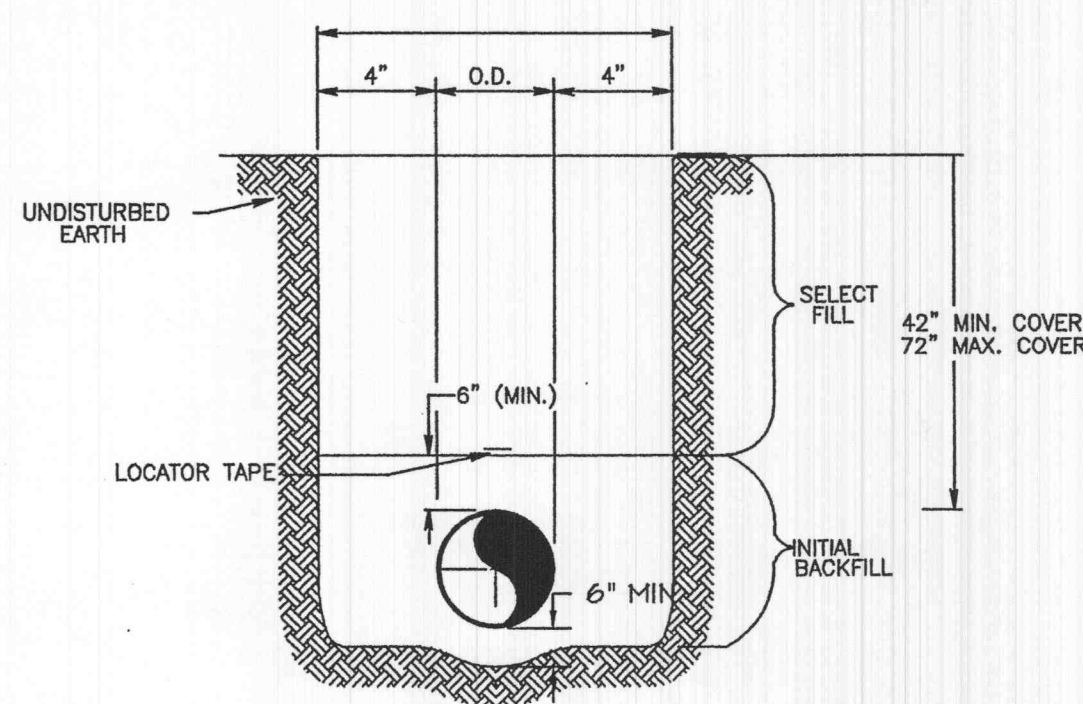
GENERAL NOTES

- THE DOMESTIC WATER LINE SHALL CONSIST OF APPROXIMATELY 165' LF OF 6"Ø C900 SDR 21, CLASS 200 PVC PIPE AND 315' OF 8"Ø C900 SDR 21, CLASS 200 PVC PIPE.
- WATER LINES SHALL HAVE A MIN. 10 FEET HORIZONTAL CLEARANCE AND 18 INCHES VERTICAL CLEARANCE (MEASURED FROM EDGE OF PIPE TO EDGE OF PIPE) FROM ALL SANITARY SEWER LINES.
- WATER LINES SHALL HAVE A MINIMUM OF 42 INCHES OF COVER, UNLESS OTHERWISE NOTED, MEASURED FROM THE TOP OF FINISHED GROUND TO THE TOP OF PIPE.
- THERE SHALL BE A MINIMUM OF 18 INCHES CLEARANCE MEASURED FROM THE BOTTOM OF ANY STORMWATER PIPE TO THE TOP OF WATER LINES AT ALL CROSSINGS.
- AT WATER AND SANITARY SEWER CROSSINGS, THE FULL LENGTH OF THE FIRE BRAM SHALL BE COVERED WITH SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER PIPES MAY BE REQUIRED.
- THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND /OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- NOTICE TO CONTRACTOR: PRIOR TO INSTALLATION OF WATER LINE, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND WALLACE ARCHITECTS OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
- COORDINATE ALL CONSTRUCTION WITH THE CITY OF OFALLON. ALL CONSTRUCTION MUST COMPLY WITH THE CITY OF OFALLON STANDARDS FOR WATER MAIN CONSTRUCTION.
- POINT OF CONTACT FOR WATER INFORMATION IS PWS#2 OF ST. CHARLES COUNTY, 100 WATER DR., OFALLON, MO 636-561-3131
- ALL WATER MAINS, VALVES, FITTINGS, HYDRANTS, AND RELATED ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT ST. CHARLES COUNTY PWS#2 GUIDELINES AND SPECIFICATIONS AS APPROVED BY MDNR REVIEW NO. 61946-04R.

ALL UTILITY CONSTRUCTION AND UTILITY CONFLICT RESOLUTION WILL BE IN ACCORDANCE WITH THE CURRENT ST. CHARLES COUNTY PWS#2 GUIDELINES AND SPECIFICATIONS AS APPROVED BY MDNR REVIEW NO. 61946-04R.

DEFLECT WATERLINE AS NEEDED TO PROVIDE MINIMAL CLEARANCE WITH STORM AND SANITARY SEWERS

ALL WATER SUPPLY LINES 4" AND GREATER SHALL HAVE THRUST BLOCKS AT ALL TEES, CROSSINGS, CAPS, 90°, 45° AND 11.25° BENDS.

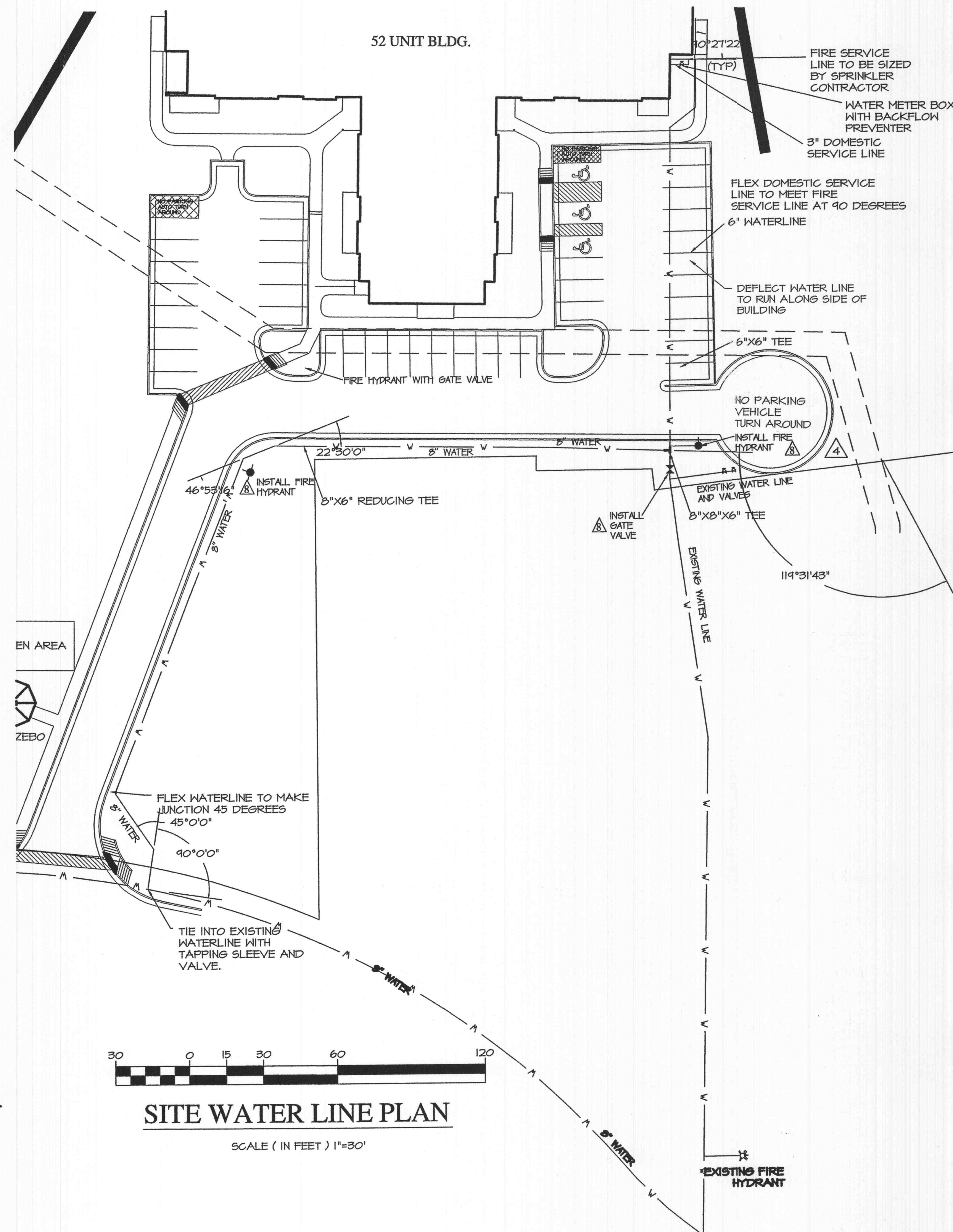


GENERAL NOTES:

- INITIAL BACKFILL SHALL BE SELECT MATERIAL OR GRANULAR MATERIAL COMPACTED.
- IN TRAFFIC AREAS TRENCHES SHALL BE COMPLETELY BACKFILLED WITH COMPACTED CRUSHED STONE TO BOTTOM OF PAVEMENT ELEVATION. CRUSHED AGGREGATE BACK FILL IS ALSO REQUIRED WITHIN THE 1:1 SHEAR PLANE SLOPE FROM THE EDGE OF ALL PAVEMENTS.
- SELECT FILL SHALL BE SELECT MATERIAL SALVAGED FROM EXCAVATION AND SHALL BE CLEAN AND FREE OF LARGE ROCKS, IF ACCEPTABLE MATERIAL IS NOT AVAILABLE, SAND BACKFILL MAY BE USED.
- TRENCHES GREATER THAN 5' IN DEPTH SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED PER OSHA AND LOCAL ORDINANCES. SEE SPECIFICATIONS.

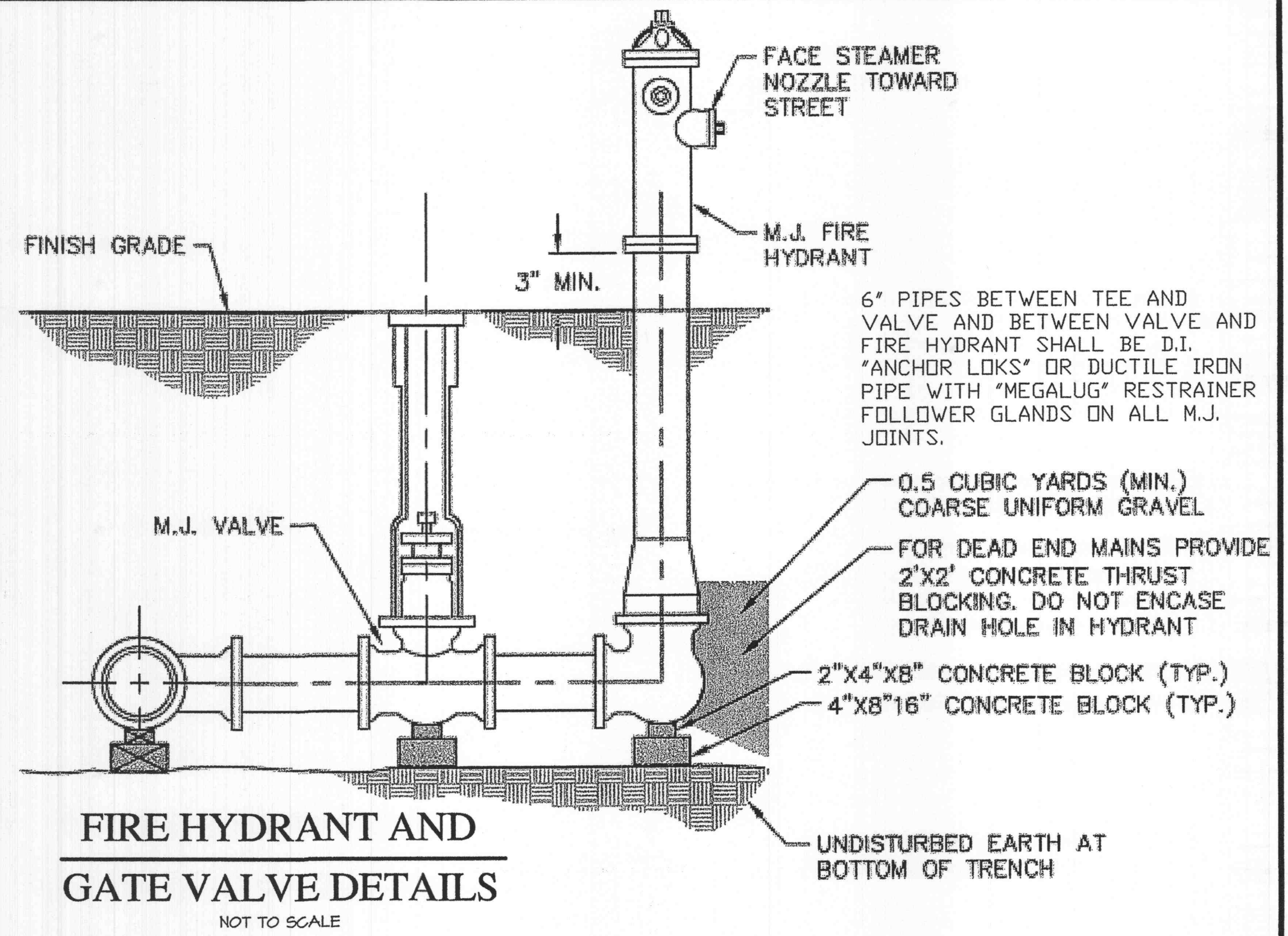
WATERLINE TRENCH AND BEDDING

NOT TO SCALE



SITE WATER LINE PLAN

SCALE (IN FEET) 1"=30'

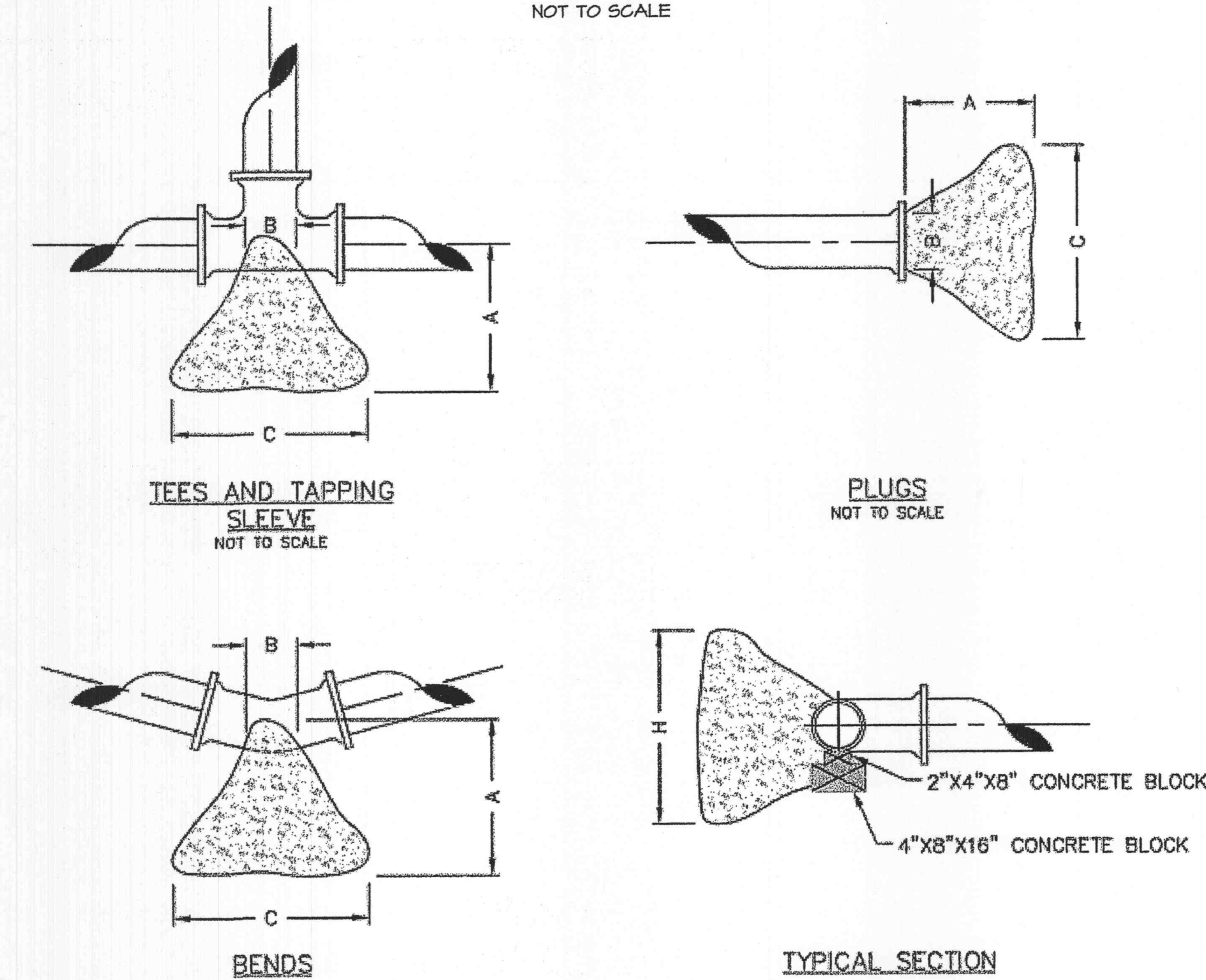


FIRE HYDRANT AND GATE VALVE DETAILS

NOT TO SCALE

PWS # 2 TYPICAL THRUST BLOCKING

NOT TO SCALE

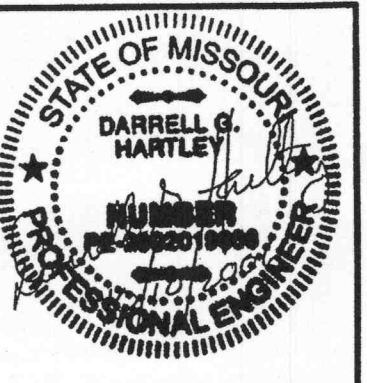


THRUST BLOCK DIMENSIONS - INCHES

PIPE DIA.	ALL FTGS.		TEE PLUG TAPPING		90 DEGREE BEND		45 DEGREE BEND		22-1/2 BEND		11-1/4 BEND	
	A	B	C	H	C	H	C	H	C	H	C	H
4	14	4	24	12	26	15	18	12	12	12	12	12
6	16	6	36	18	36	24	30	18	24	12	12	12
8	20	8	36	30	42	36	36	24	24	18	18	12
10	20	10	48	36	66	36	36	36	28	24	18	18
12	24	12	68	36	82	42	52	36	40	24	28	18

18 SEPT 2006 THHinc
10 OCT 2006 THHinc

ASI #3



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