

NOTES:

ISSUE DATE:
CORE / SHELL
BID PACKAGE #5
DECEMBER 15, 2003

REVISIONS:

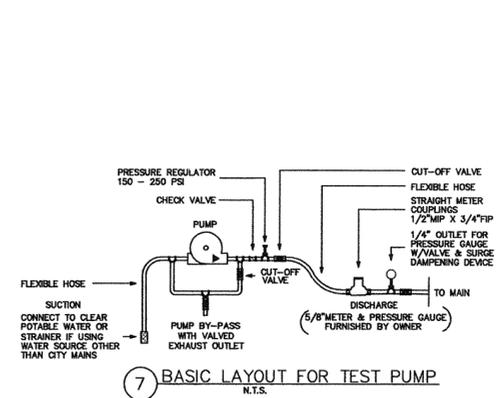
#	DATE	DESCRIPTION
1	7-1-04	PKG 7 100% ROLL UP

**HEIFER
INTERNATIONAL
CENTER
OFFICE BUILDING**
LITTLE ROCK, ARKANSAS

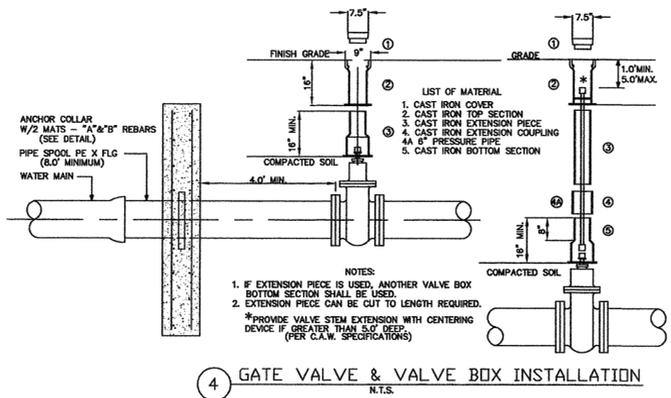
PSY PROJECT NUMBER:
431C

CONTENTS:
SITE UTILITY
DETAILS

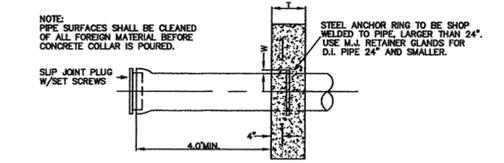
SHEET NUMBER:
C503



7 BASIC LAYOUT FOR TEST PUMP
N.T.S.

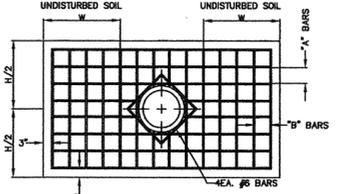


4 GATE VALVE & VALVE BOX INSTALLATION
N.T.S.

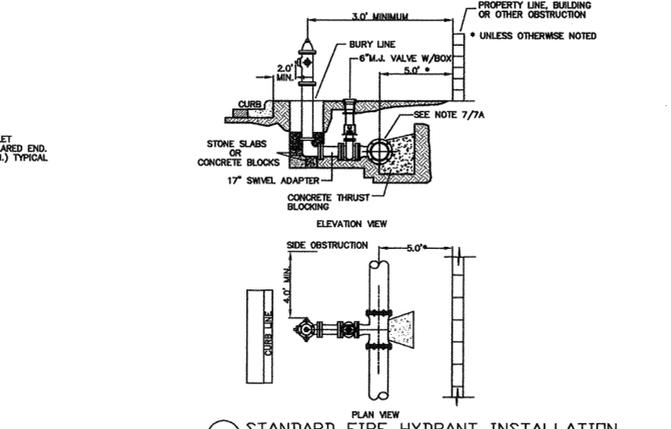


ANCHOR COLLAR SCHEDULE

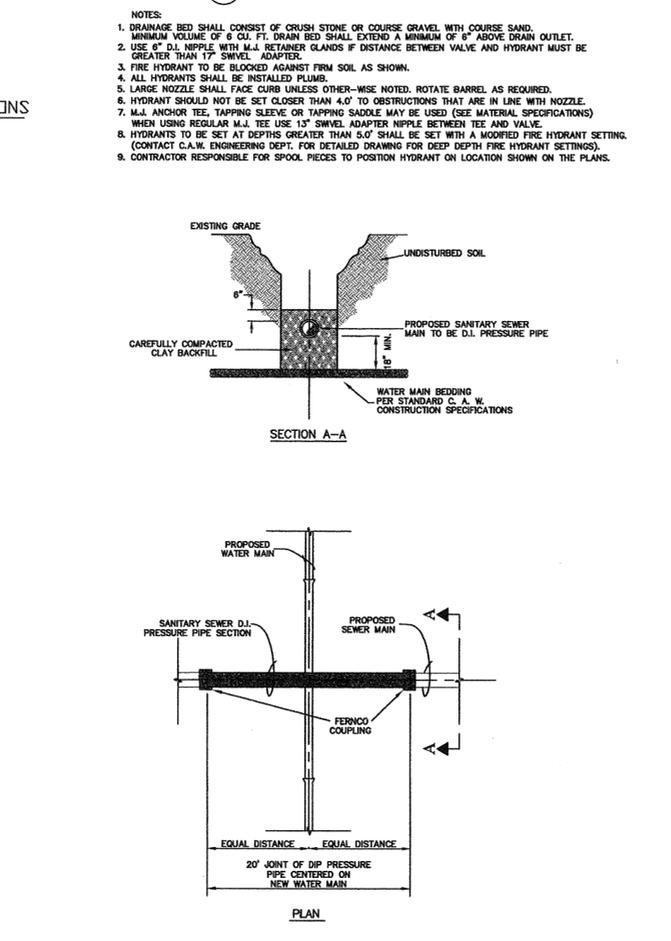
PIPE SIZE	DIMENSIONS			REINFORCING BARS
	W	H	T	
8"	1.5"	2.0"	1.0"	M.J. RETAINER GLAND #608"
10"	1.5"	2.5"	1.0"	M.J. RETAINER GLAND #608"
12"	2.0"	4.0"	1.5"	M.J. RETAINER GLAND #608"
16"	3.0"	4.5"	1.5"	M.J. RETAINER GLAND #608"
20"	3.0"	5.0"	2.0"	M.J. RETAINER GLAND #608"
24"	3.5"	5.5"	2.0"	M.J. RETAINER GLAND #708"
30"	5.0"	6.0"	2.5"	M.J. RETAINER GLAND #708"
36"	7.0"	7.0"	2.5"	M.J. RETAINER GLAND #708"



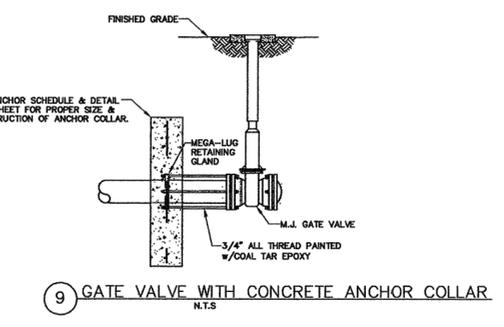
8 ANCHOR COLLAR (ELEVATION)
N.T.S.



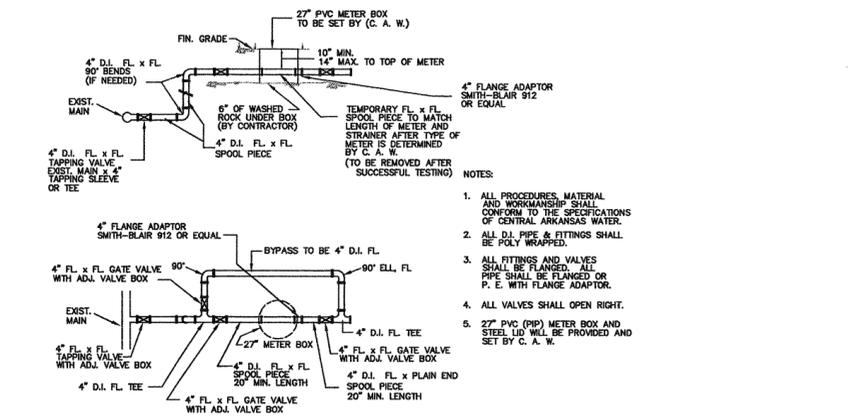
5 STANDARD FIRE HYDRANT INSTALLATION
USE ANCHOR TEE (UNLESS OTHERWISE NOTED)



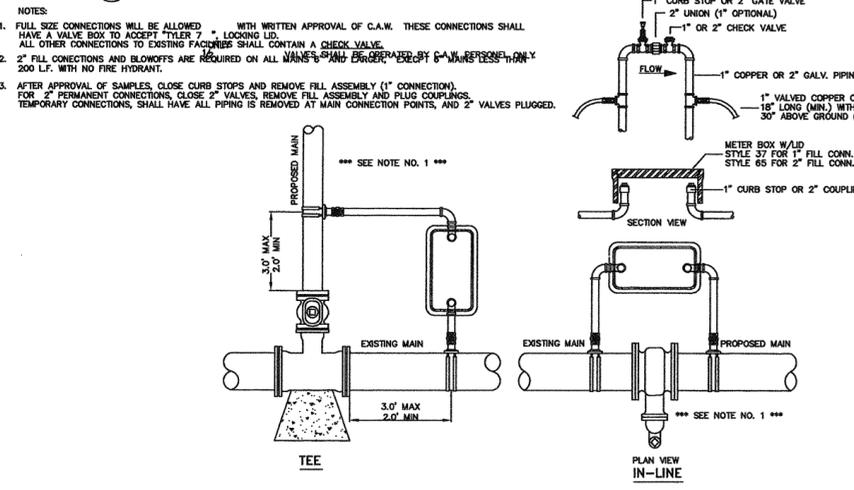
6 SEWER CROSSING
N.T.S.



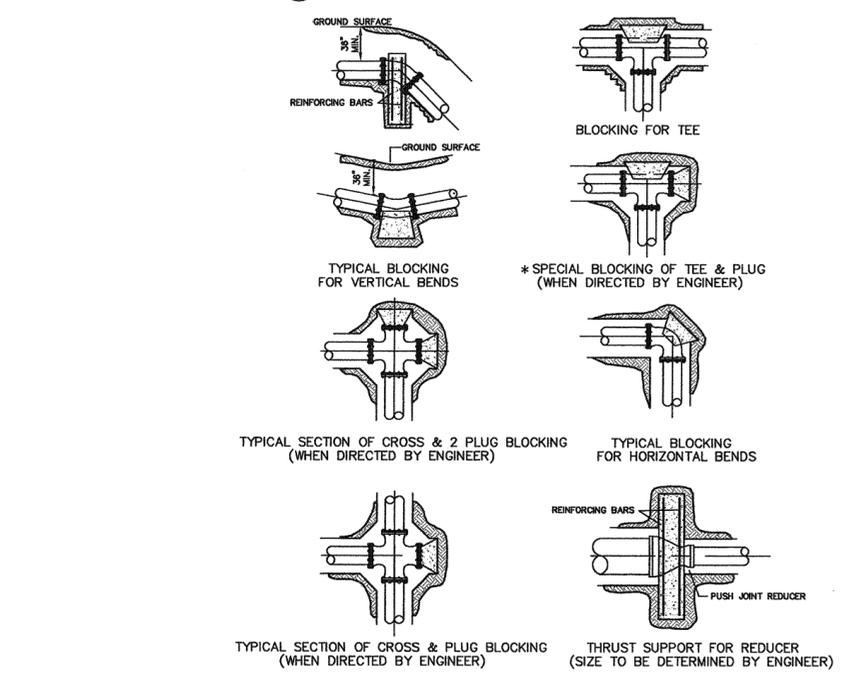
9 GATE VALVE WITH CONCRETE ANCHOR COLLAR
N.T.S.



1 4\"/>



2 1\"/>



NOTES ON THRUST BLOCKING

- ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL.
- WHERE SOIL CONDITIONS MAKE IT NECESSARY TO POUR CONCRETE OVER JOINTS, THE ENDS OF THE ADJACENT PIPES MUST HAVE A THRUST BLOCK TO RESIST MOVEMENT OF THESE JOINTS.
- WEIGHT CALCULATIONS TO BE BASED ON THRUST DUE TO STATIC PRESSURE + 50% OR TEST PRESSURE, WHICHEVER IS GREATER. (THRUST = 2AP SIN 1/2 θ WHERE A = AREA OF PIPE P = WATER PRESSURE)
- WHEN BLOCKING AGAINST PLUG, PLUG SHALL BE COVERED TO PREVENT BONDING OF CONCRETE.
- WHERE SHEAR BECOMES A PROBLEM PROPER REINFORCING MUST BE INSTALLED INTO THE BLOCKING.
- CLEARANCE SHALL BE A MINIMUM OF 6\"/>

3 THRUST BLOCKING
N.T.S.