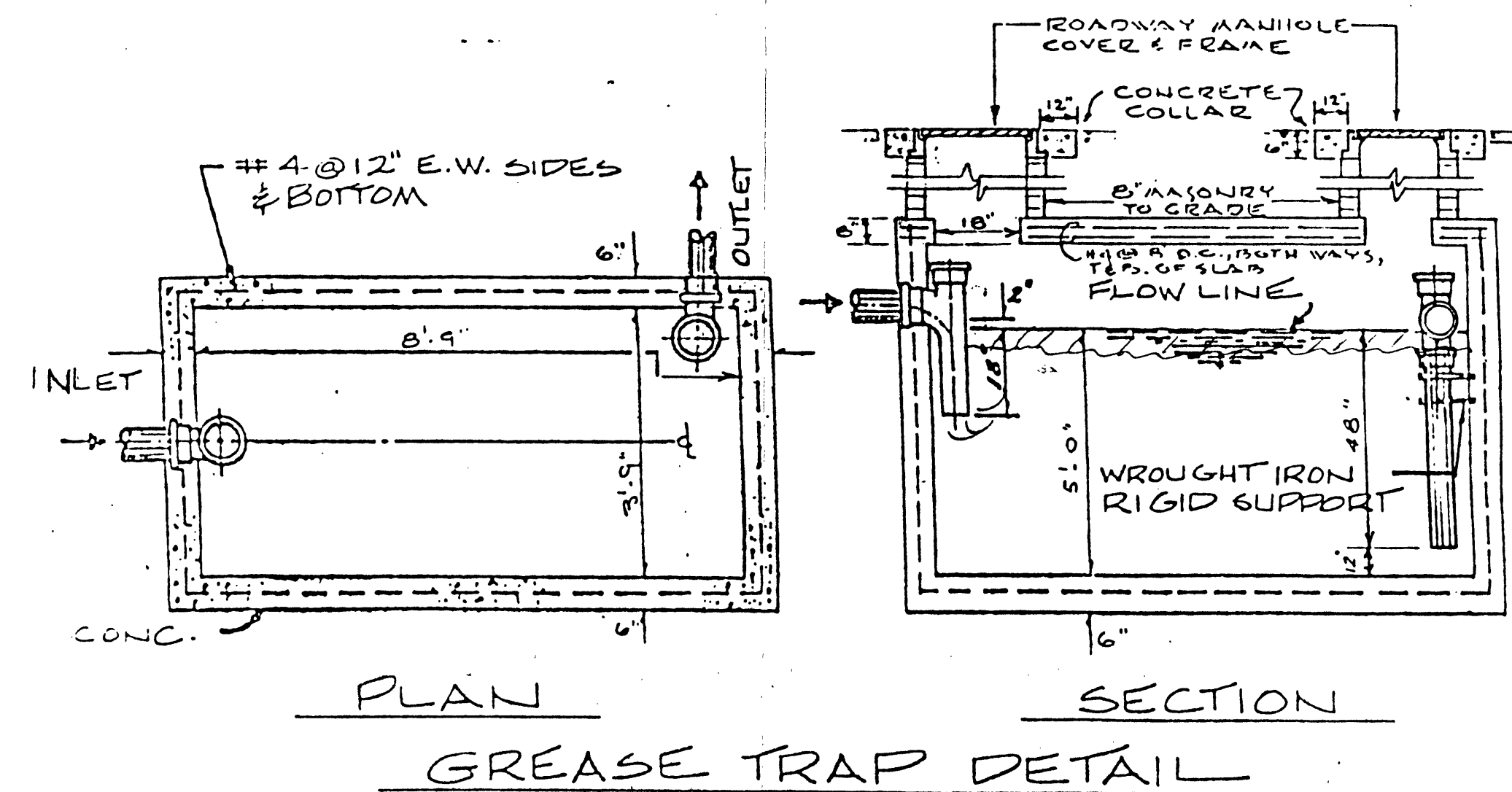
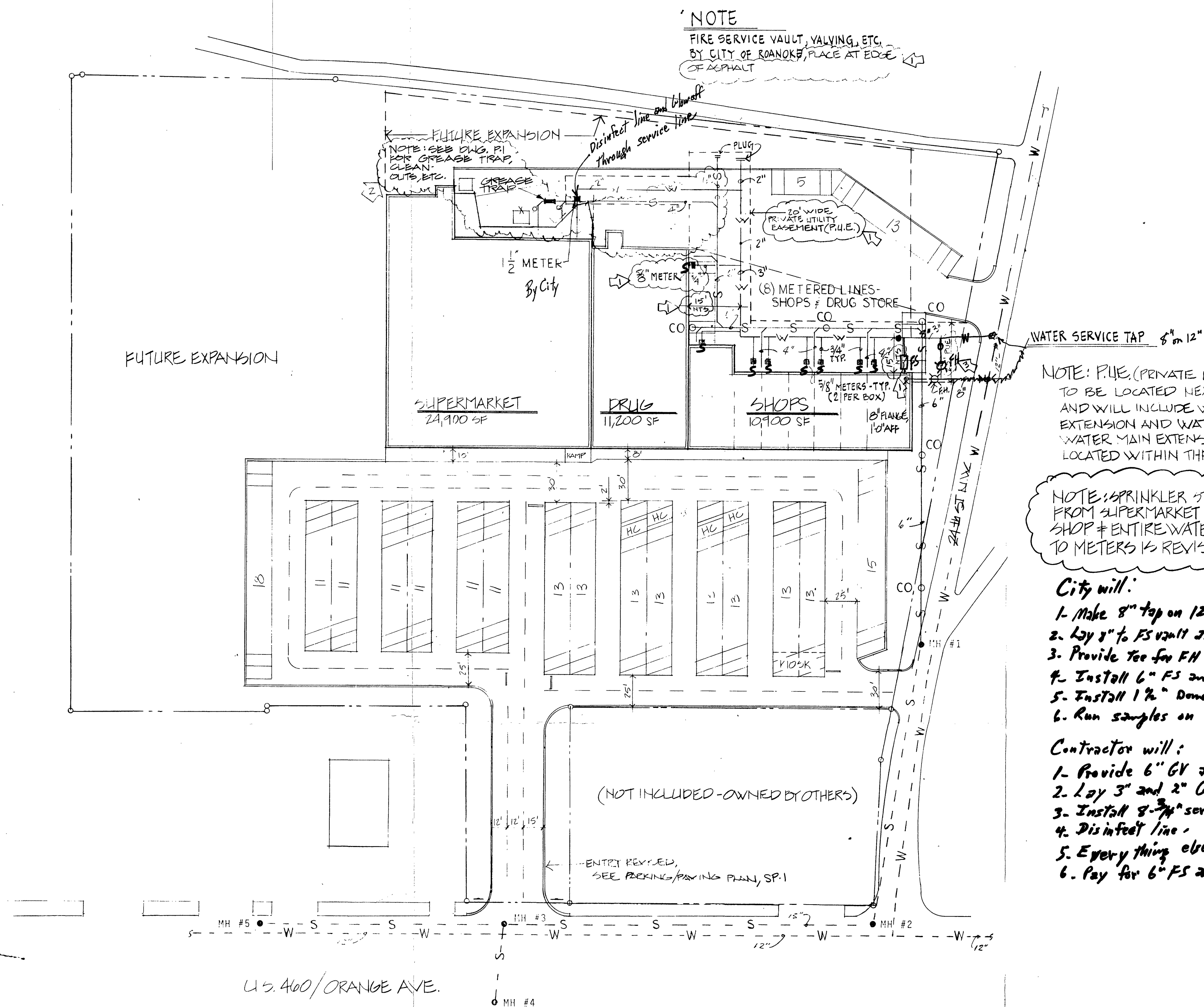




NOTE: P.U.E. (PRIVATE UTILITY EASEMENT)
TO BE LOCATED NEXT TO BUILDINGS
AND WILL INCLUDE WATER MAIN
EXTENSION AND WATER METERS,
WATER MAIN EXTENSION SHALL BE
LOCATED WITHIN THE 20' WIDE P.U.E.

NOTE: SPRINKLER STANDPIPE MOVED FROM SUPERMARKET TO OUTSIDE SMALL SHOP & ENTIRE WATER DISTRIBUTION TO METERS IS REVISED AS SHOWN

City will:

1. Make 8" top on 12" w/c
2. Lay 8" to FS vault as a part of the FS.
3. Provide Tee for FH lateral.
4. Install 6" FS and vault.
5. Install 1 1/2" Domestic service
6. Run samples on disinfected line

Contractor will:

- 1- Provide 6" GV and FN and install
- 2- Lay 3" and 2" Ca. lines.
- 3- Install 8-1/2" services less meters.
- 4- Disinfect line.
- 5- Every thing else as by plan.
- 6- Pay for 6" FS and 1 1/2" Domestic services.

NOTES

1. TERMINATE, CAP OR PLUG ALL SEWER AND WATER LINES FOR FUTURE CONNECTION @ 5' FROM OUTSIDE BUILDING WALLS, UNLESS OTHERWISE NOTED.
2. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, TAP CHARGES AND ALL COSTS OF INSTALLATION BY CITY AND UTILITY FORCES.

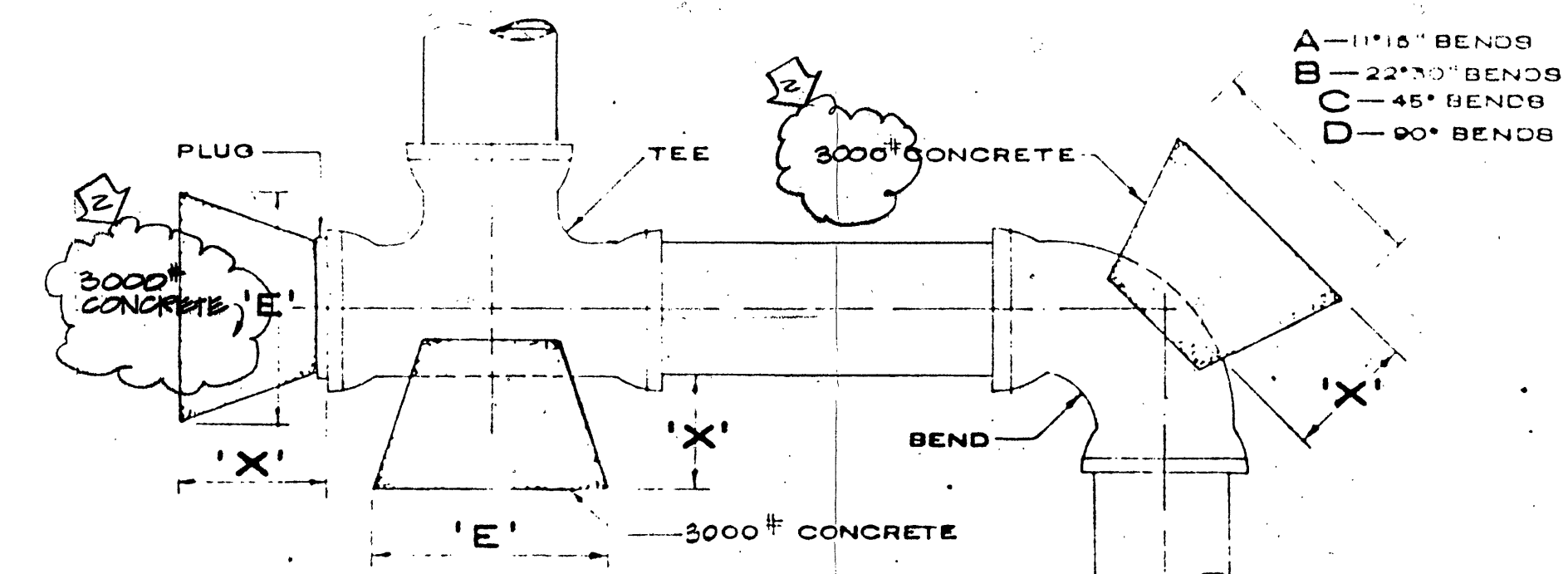
⇒ REVISION NOTES 3/30/83

Revise water service to Drug Store from 1-1/4" meter, 2" line, to 5/8" meter and 3/4" line.

Fire Service Vault shall be installed by the City of Roanoke, paid for by the site utility contractor.

~~Fire Service Vault shall include the water meter~~
~~for the Supermarket.~~

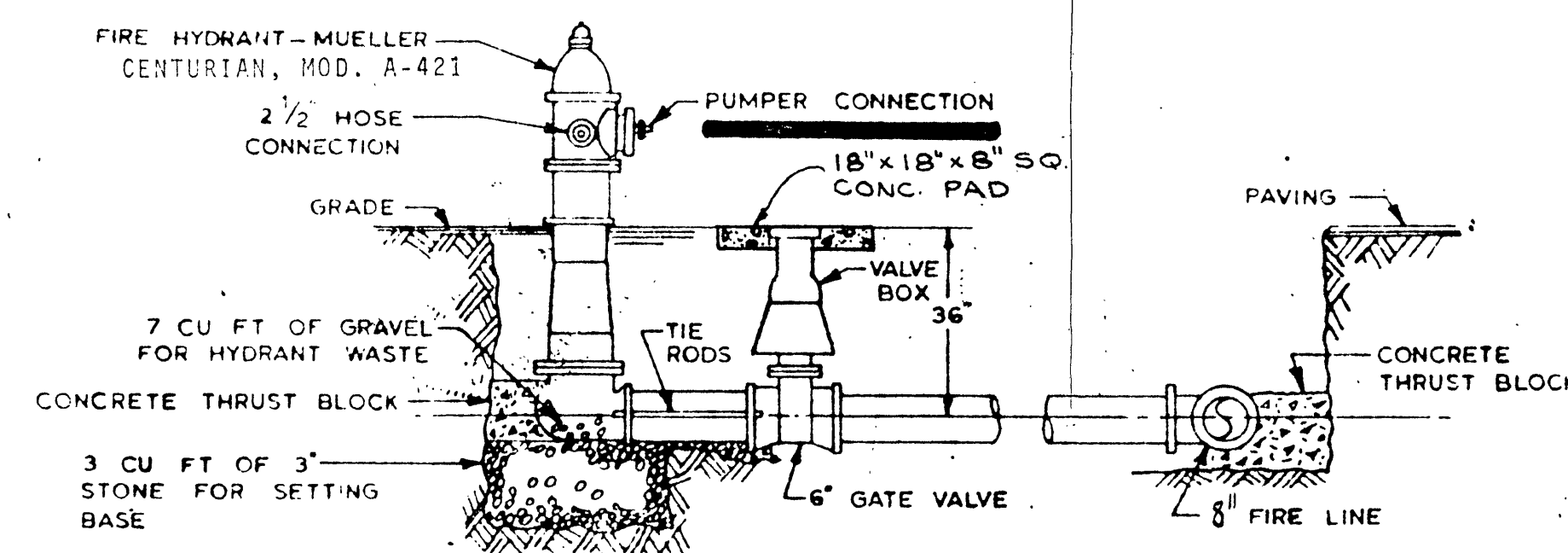
NOTE: BEARING AREAS SHOWN ARE BASED ON 150 PSI. TEST PRESSURE AND 3000 PSI. SOIL BEARING. VALVE



HORIZONTAL BLOCKING TABLE

PIPE SIZE	'X' DIA. FT.	11° - 15°			22° - 30°			45°			90°			TEE & PLUG		
		'A'	MIN.	MAX.	'B'	MIN.	MAX.	'C'	MIN.	MAX.	'D'	MIN.	MAX.	'E'	MIN.	MAX.
			AREA	VOL.		AREA	VOL.		AREA	VOL.		AREA	VOL.		AREA	VOL.
4"	1	.90	.80	.05	.95	.90	.05	.95	.90	.05	.91	.82	.05	1.16	.88	.05
6"	1.5	.90	.80	.05	.95	.90	.05	1.05	1.10	.05	1.75	1.90	.05	1.19	1.41	.05
8"	1.5	.90	.80	.05	.95	.90	.05	1.41	2.00	.05	1.66	3.47	0.1	1.57	2.46	0.1
10"	1.5	.90	.80	.05	1.26	1.60	0.1	1.79	3.20	0.1	2.16	5.62	0.2	1.99	5.98	0.2
12"	1.5	1.10	1.20	0.8	1.48	2.30	0.1	2.14	4.60	0.2	2.83	8.00	0.3	2.38	5.85	0.3

NOTE: DIMENSION 'X' MAY VARY IF NECESSARY TO PROVIDE BEARING AGAINST UNDISTURBED TRENCH WALL



FIRE HYDRANT DETAIL
NO SCALE

LE 9.542

		<u>MANHOLE NO.</u>	<u>TOP EL.</u>	<u>INVERT EL.</u>
EXISTING SANITARY SEWER	- - - - S - - - -			
NEW SANITARY SEWER	- - - - S - - - -	1	66.3'	60.71'
		2	57.3'	53.9'
EXISTING CITY WATER SUPPLY	- - - - W - - - -	3	57.3'	52.3'
		4	57.5'	51.08'
NEW CITY WATER SUPPLY	- - - - W - - - -	5	50.6'	53.9'
FIRE WATER	- - - - F - - - -			

EXISTING WASHOLE DATA

<u>MANHOLE NO.</u>	<u>TCP EL.</u>	<u>INVERT EL.</u>
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66.31	60.71
57.31	50.31

0.3

58.6' 53.9'

**SHOPPING CENTER AT
ORANGE AVE & 24th ST
ROANOKE, VIRGINIA**
FOOD WORLD SHOPPING CENTER
WATER DEPT PLAN N° 83-06
SEPT. 1, 1983

CAPITAL DEVELOPMENTS, INC.
ONE NORTHGATE PARK/ CHATTANOOGA, TN 37415



SU•1

83-06

83-08