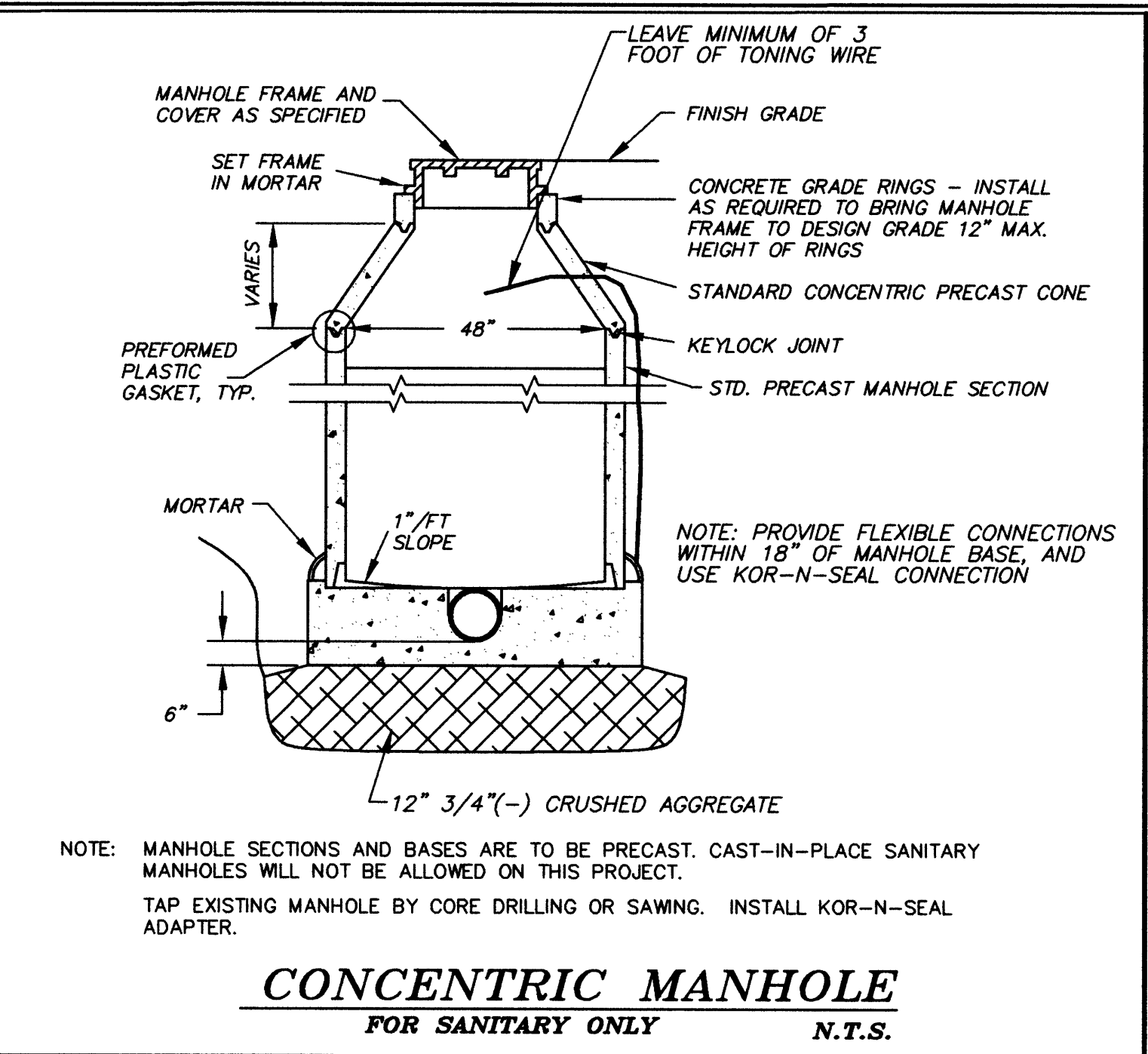
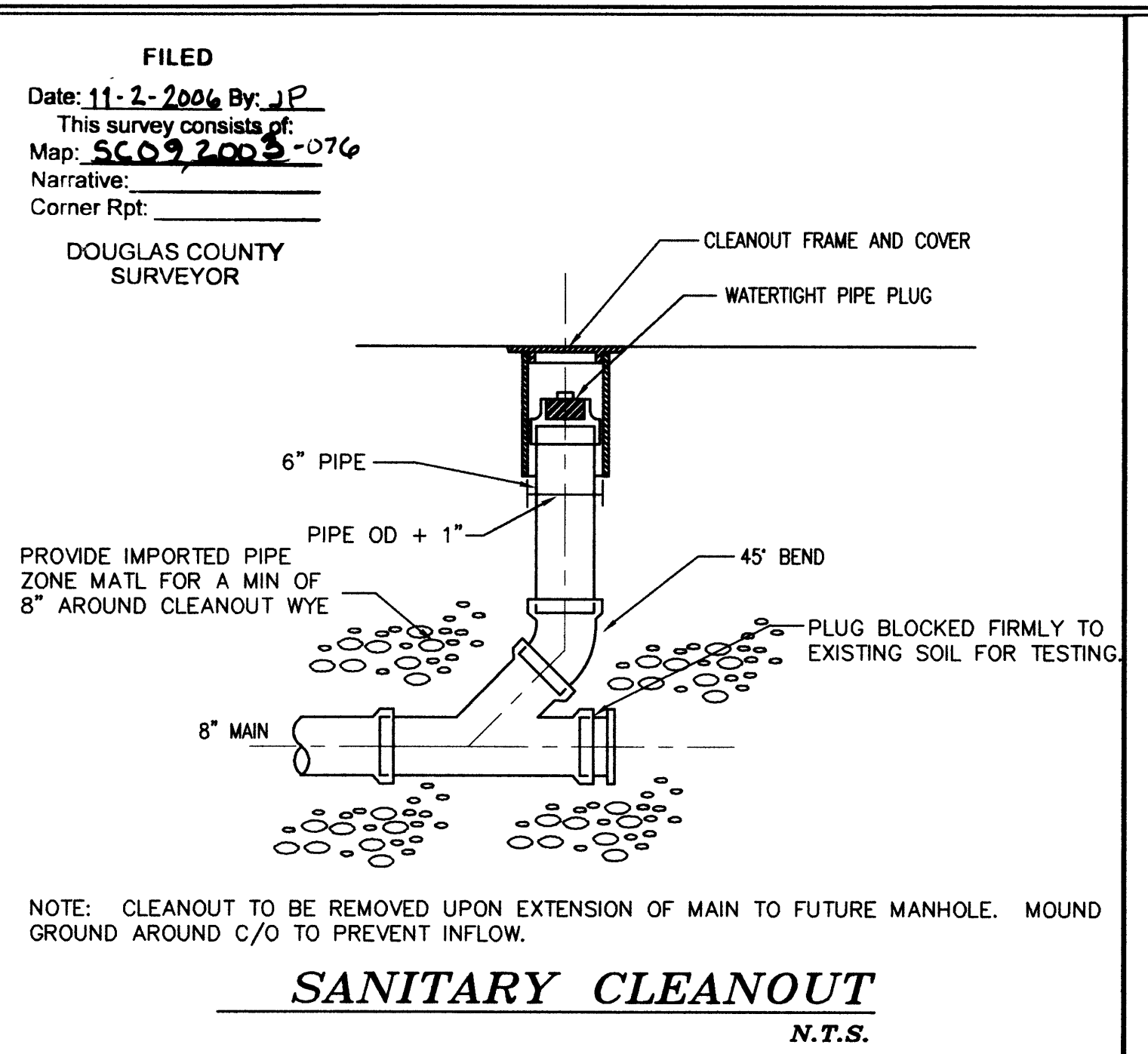


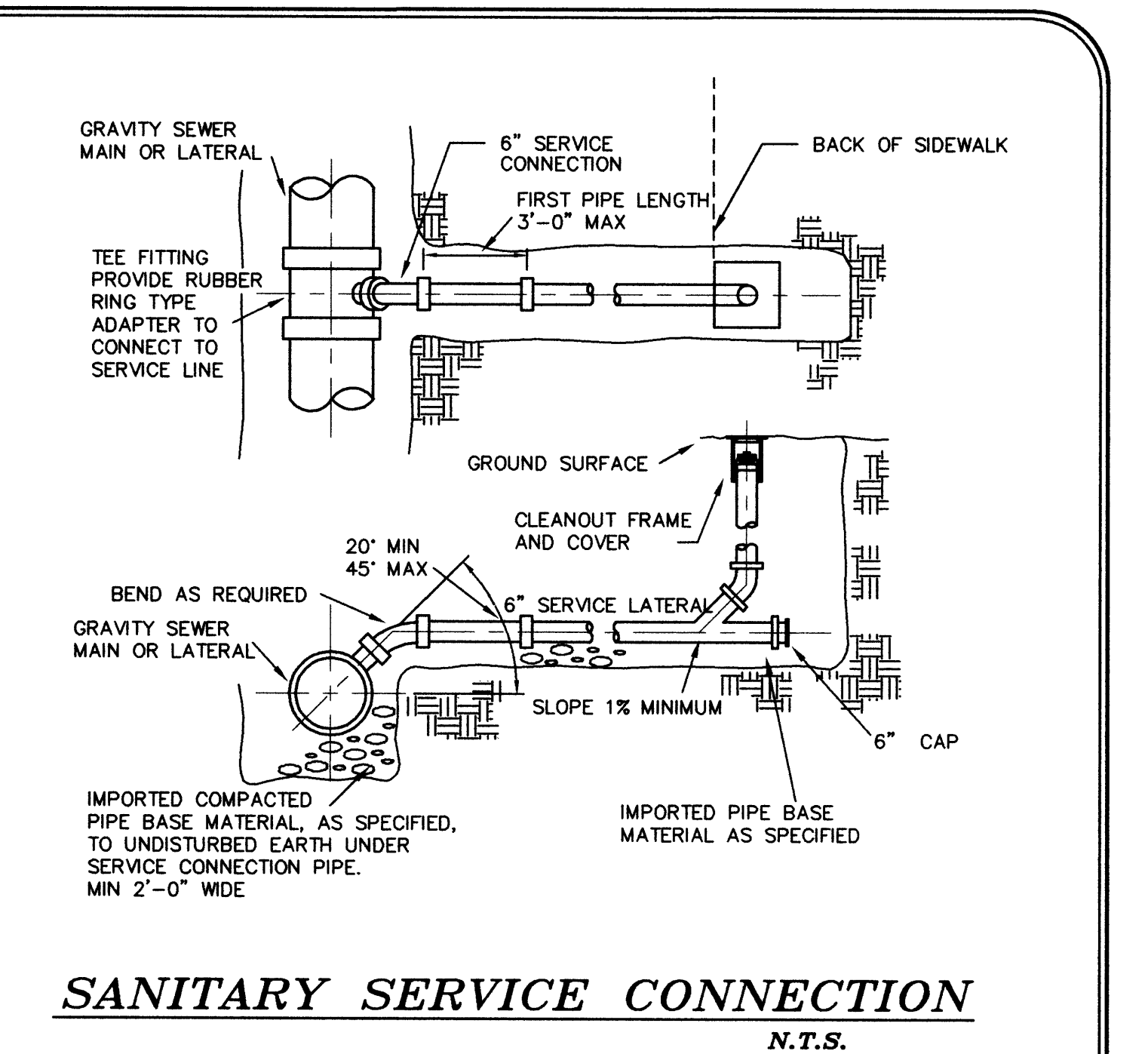
CONCENTRIC MANHOLE
FOR STORM ONLY N.T.S.



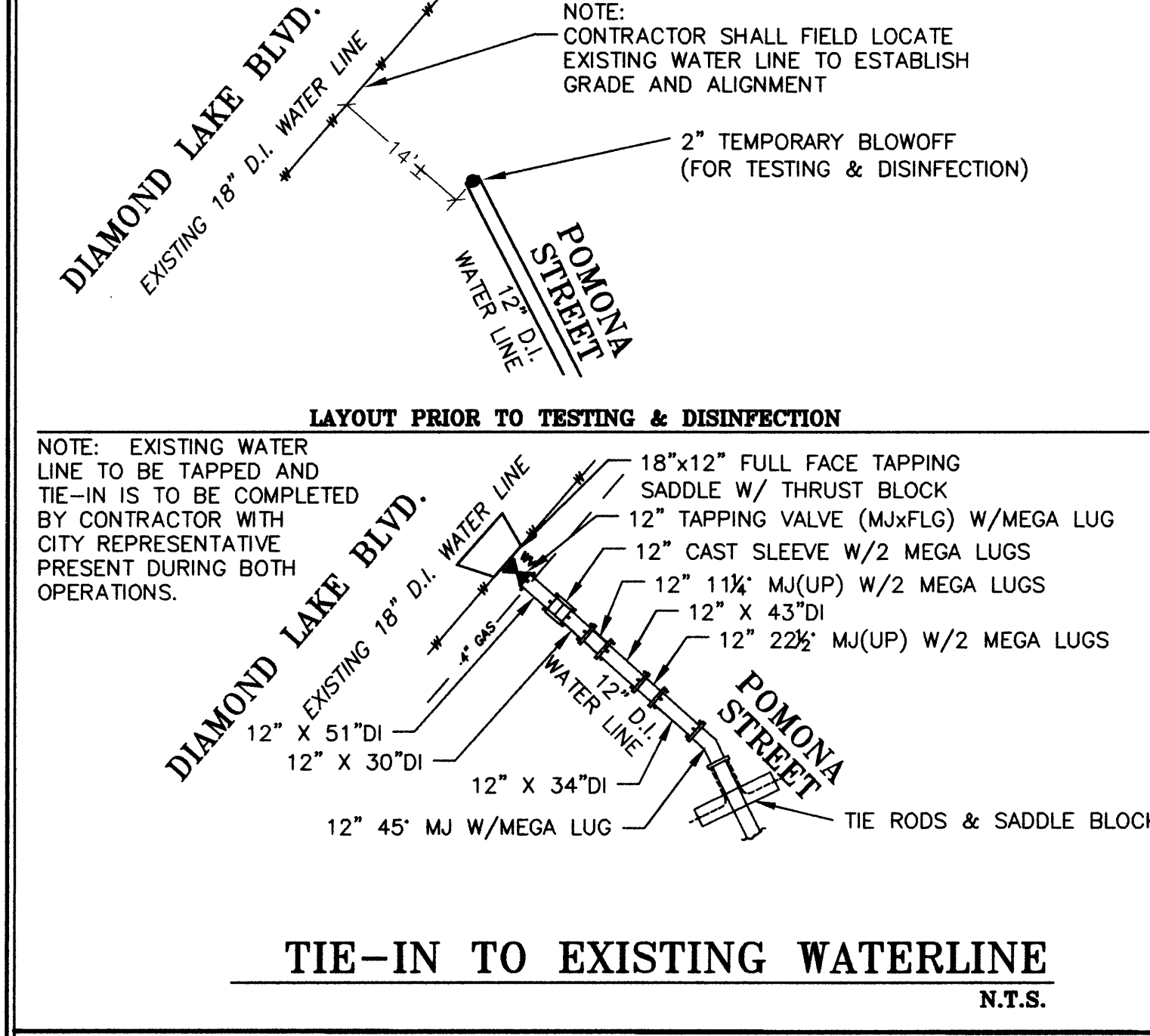
CONCENTRIC MANHOLE
FOR SANITARY ONLY N.T.S.



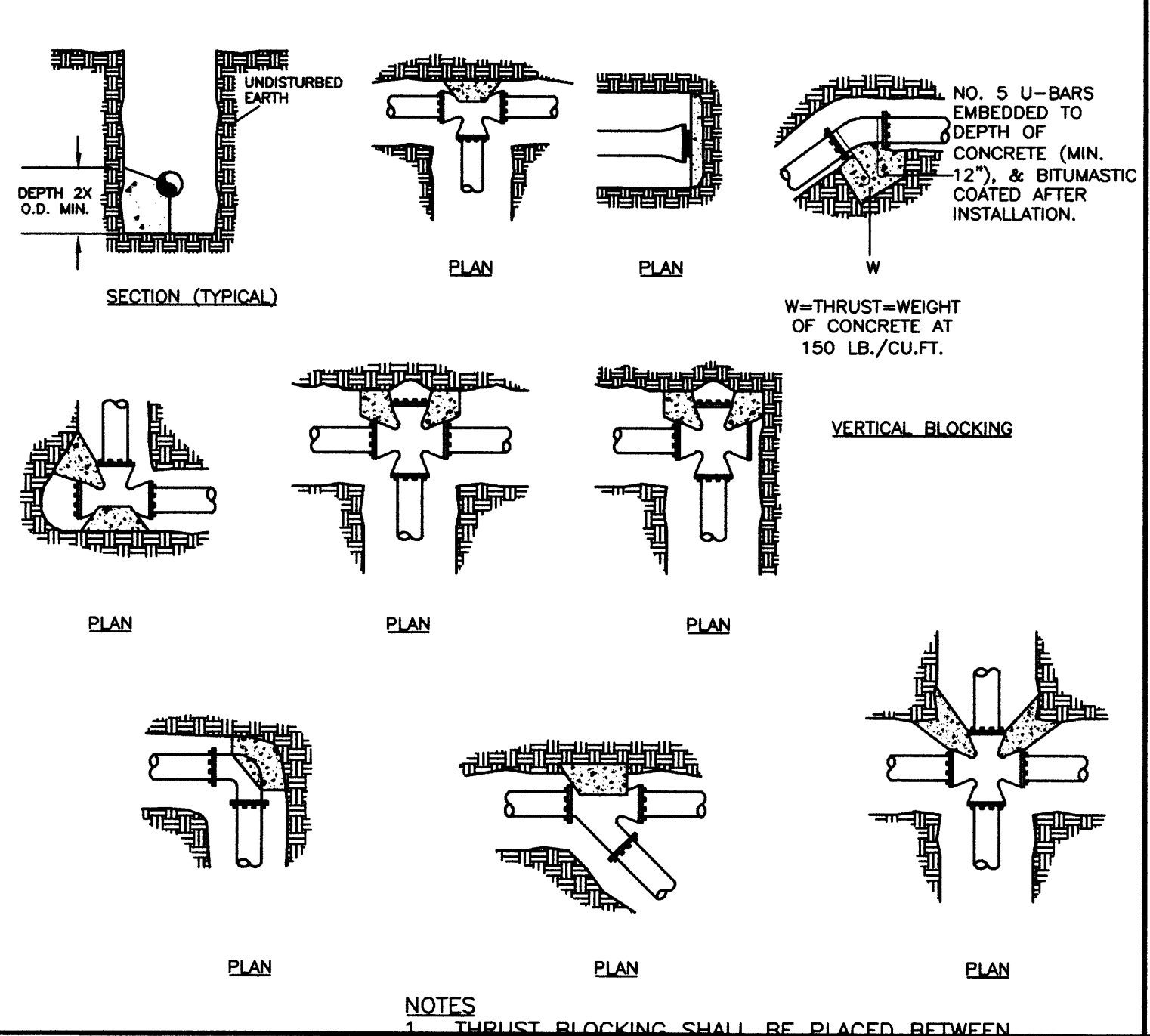
SANITARY CLEANOUT
N.T.S.



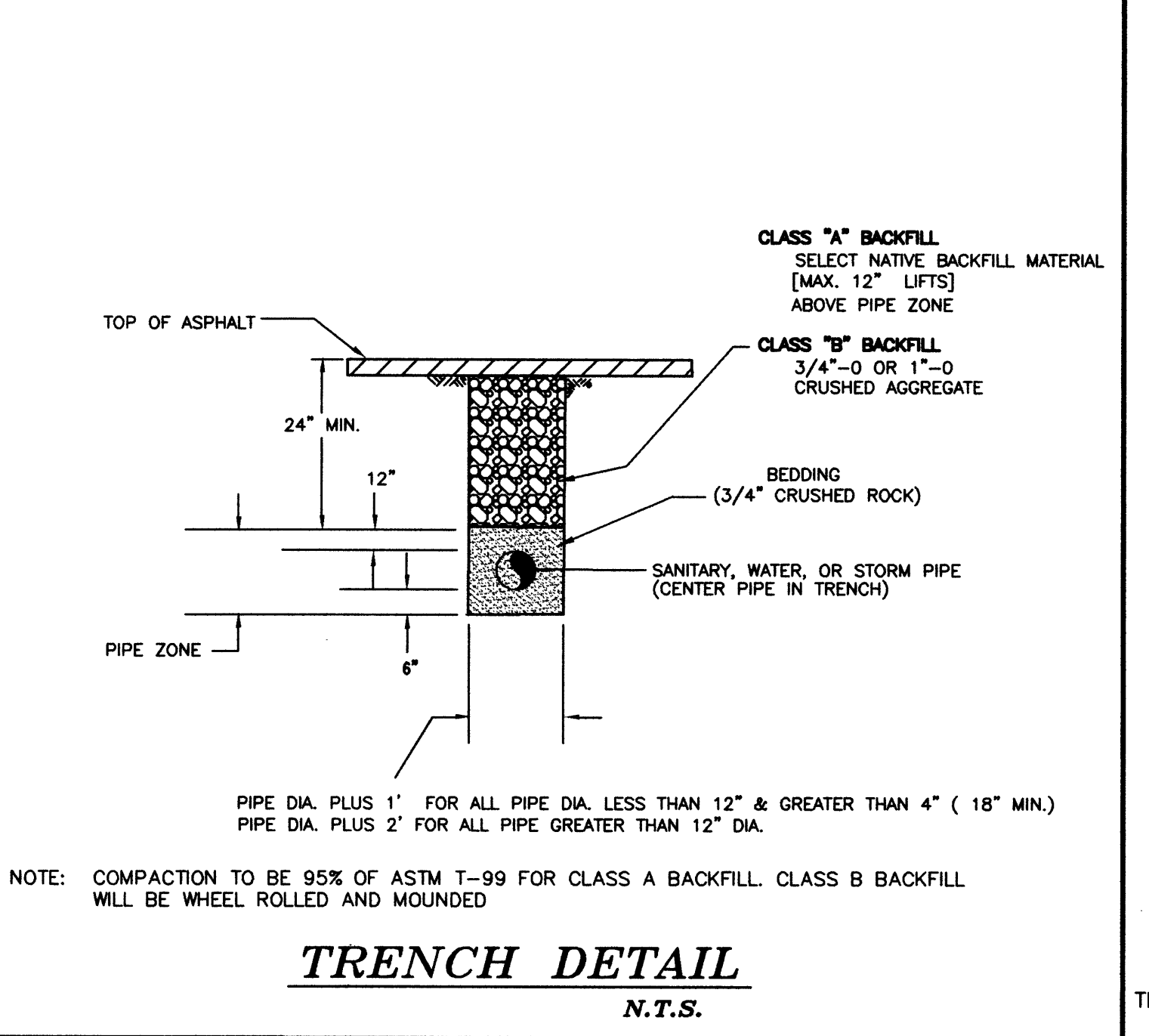
SANITARY SERVICE CONNECTION
N.T.S.



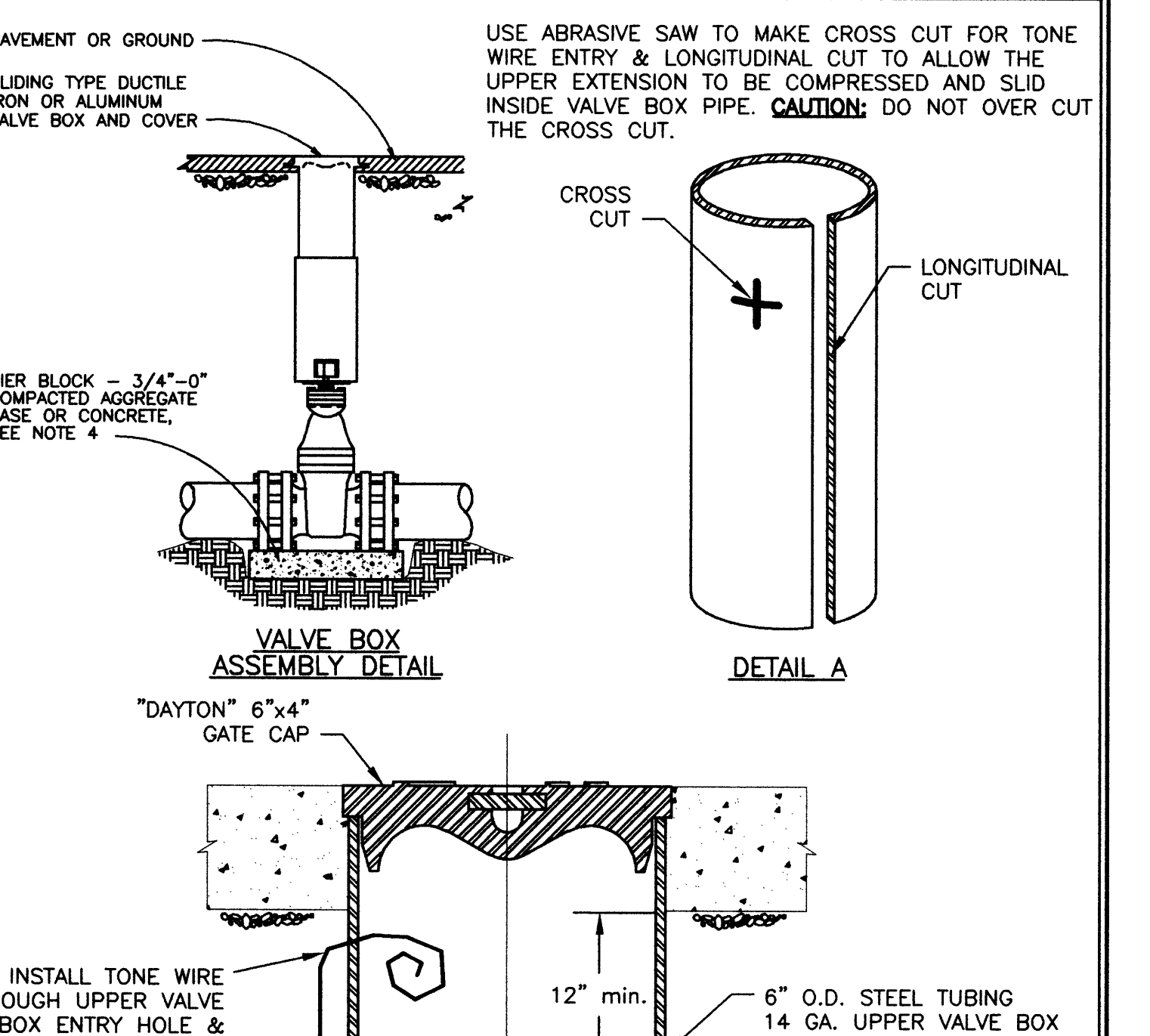
TIE-IN TO EXISTING WATERLINE
N.T.S.



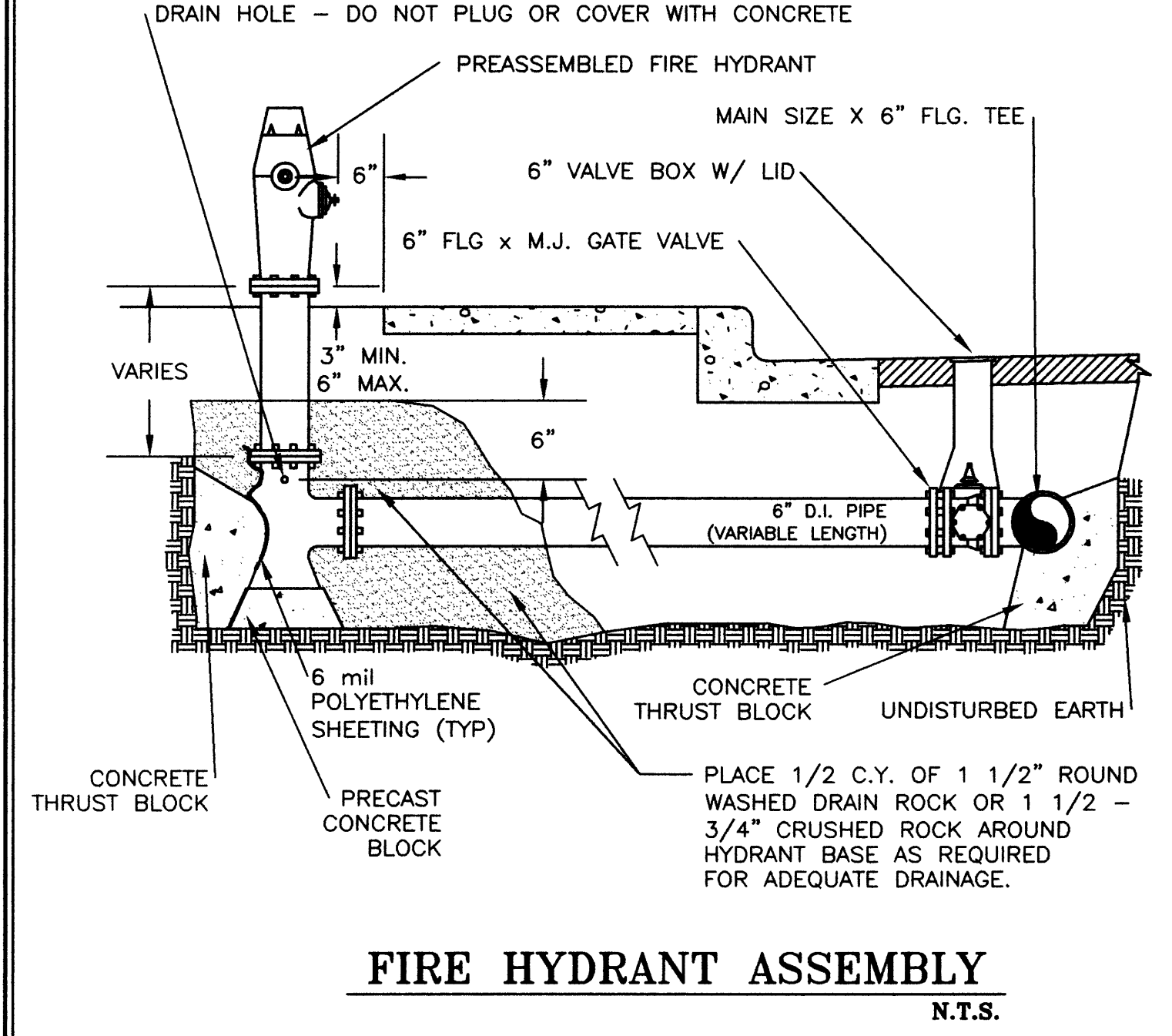
THRUST BLOCKING
N.T.S.



TRENCH DETAIL
N.T.S.



VALVE BOX ASSEMBLY
N.T.S.



FIRE HYDRANT ASSEMBLY
N.T.S.

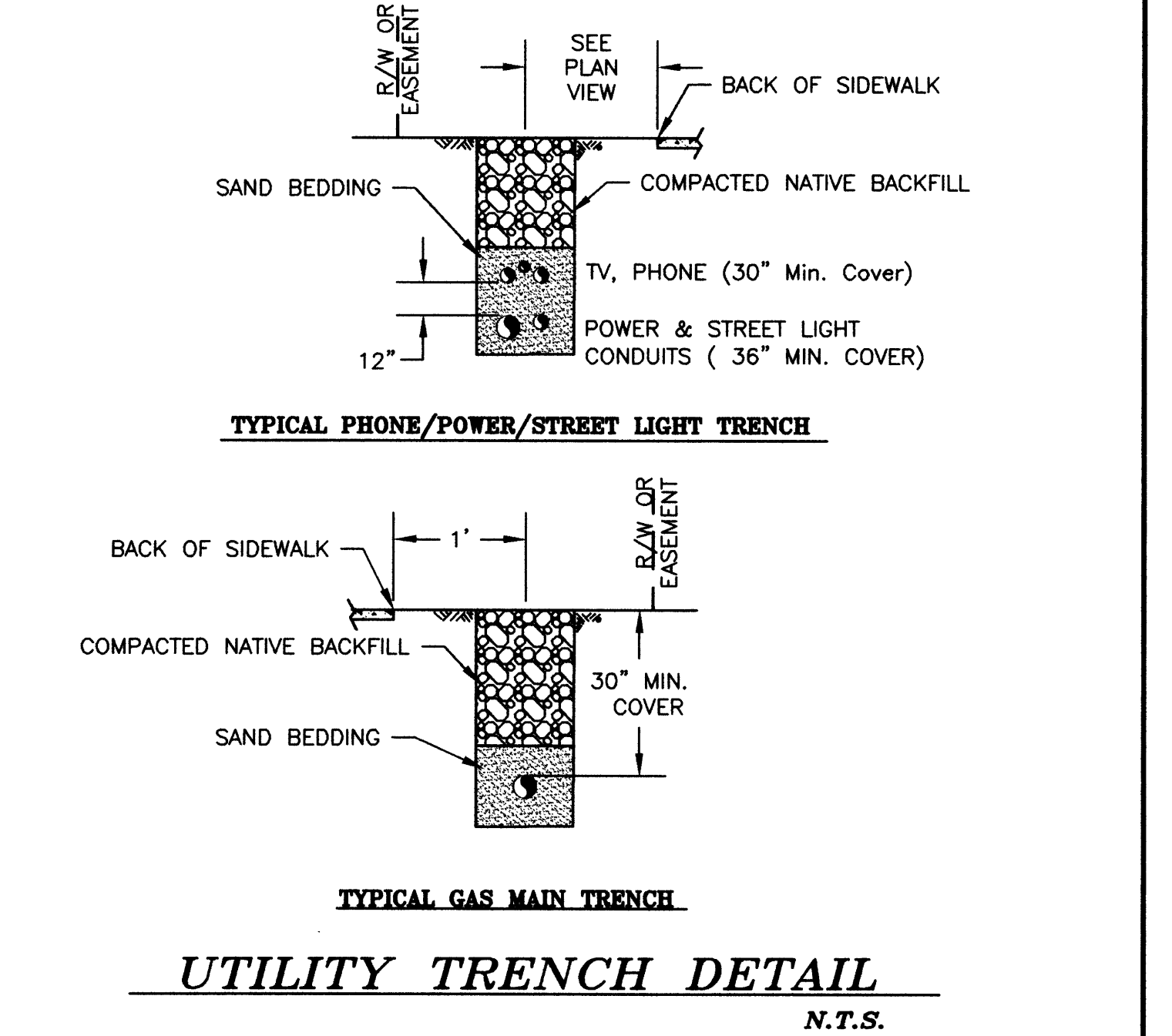
TABLE A
THRUST AT FITTINGS IN POUNDS AT 150 PSI OF WATER PRESSURE

PIPE SIZE (INCHES)	PLUG OR TEE	90° BEND	45° BEND	22 1/2° BEND
4	2780	3920	2130	1080
6	5700	8060	4370	2210
8	9870	13,950	7560	3830
10	16,130	22,800	12,360	6260
12	22,970	32,460	17,580	8910

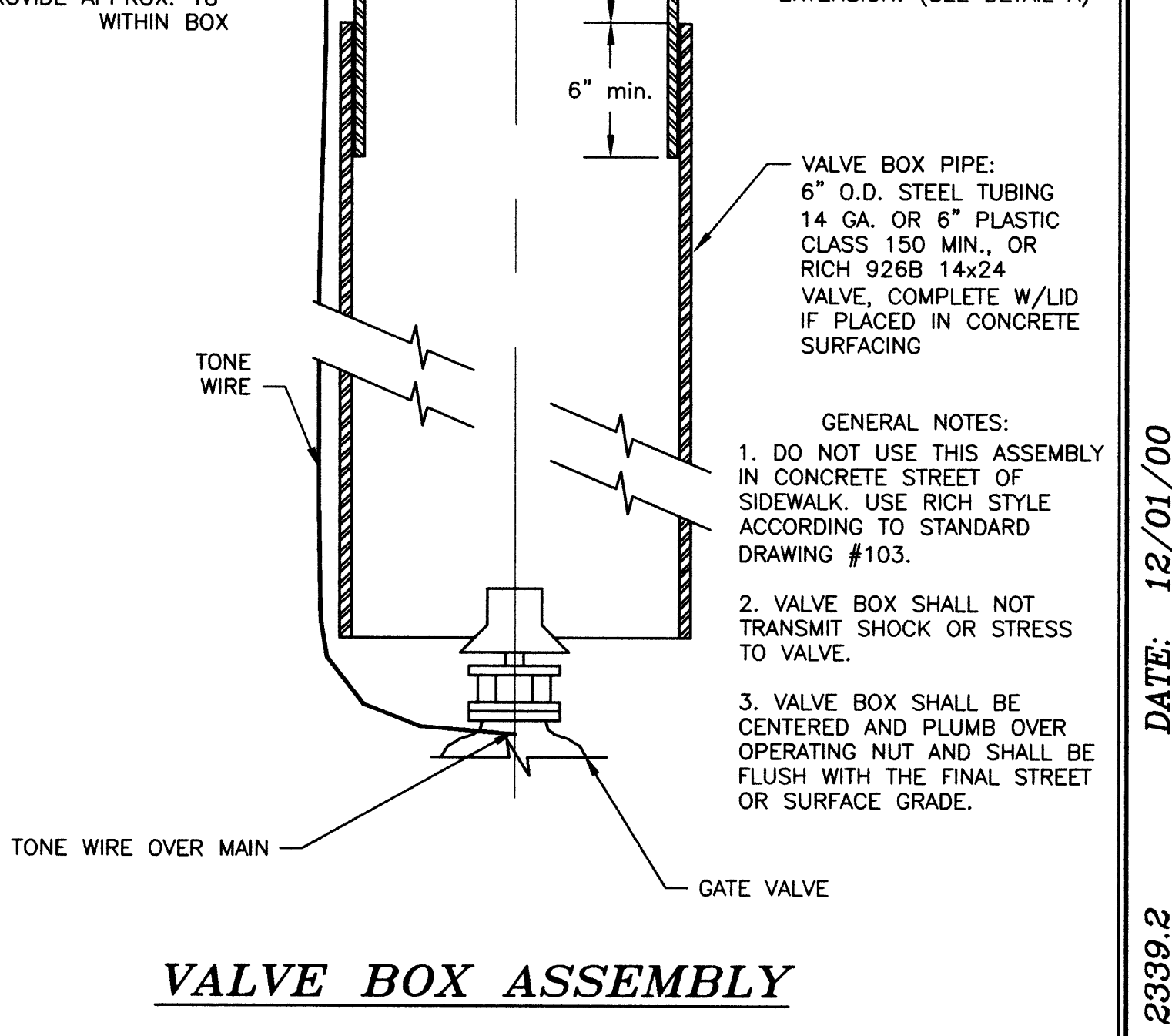
TABLE B
SAFE BEARING LOAD OF VARIOUS SOILS

SOIL TYPE	SAFE BEARING LOAD (LB./SQ.FT.)
MULCH, PEAT, ETC.	0
CLAY	1000
SAND	2000
SAND & GRAVEL	3000
SAND GRAVEL CEMENTED W/ CLAY	4000
HARD SHALE	10,000

THRUST BLOCKING
N.T.S.



UTILITY TRENCH DETAIL
N.T.S.

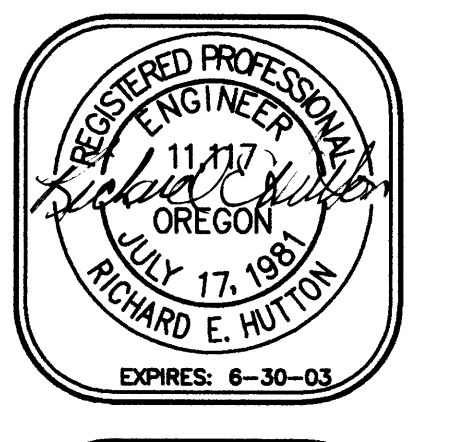


VALVE BOX ASSEMBLY
N.T.S.

ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 1-800-332-2344. CALL BEFORE YOU DIG.

CITY PUBLIC WORKS INSPECTION SCHEDULE
THE CITY OF ROSEBURG SHALL BE NOTIFIED FOR INSPECTION AT LEAST 24 HOURS PRIOR TO THE ACCOMPLISHMENT OF THE FOLLOWING STAGES OF CONSTRUCTION (PHONE: 672-7701 FAX: 672-2785):

- ANY STORM SEWER CONSTRUCTION (INCLUDING STRUCTURES).
 - FINISHED SUB-GRADE (PRIOR TO FABRIC INSTALLATION).
 - SOIL STABILIZATION FABRIC INSTALLATION.
 - ALL CONCRETE WORK.
 - FINISHED BASE COURSE GRADE.
 - PAVING.
- NONE OF THE ABOVE ITEMS OF WORK SHALL BE COVERED UNTIL INSPECTED BY THE CITY OF ROSEBURG PUBLIC WORKS DEPARTMENT.



SURVEYING & ENGINEERING, INC.
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3076 NE DIAMOND LAKE BLVD.
ROSEBURG, OREGON 97470
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FAX: (541) 972-0611

FOR CONST.

Revision	Date	Revision	Date
7-24-01	AS BUILT	1-07-03	

Drawn	MPS	Design	DH	Checked	HP	Reviewed	DH
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DATE: 12/01/00

TITLE: DETAILS

PROJECT NAME: POMONA STREET IMPROVEMENT PROJECT

SHT. 5 OF 6