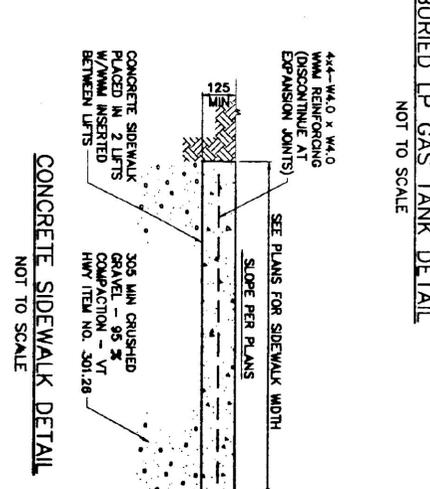
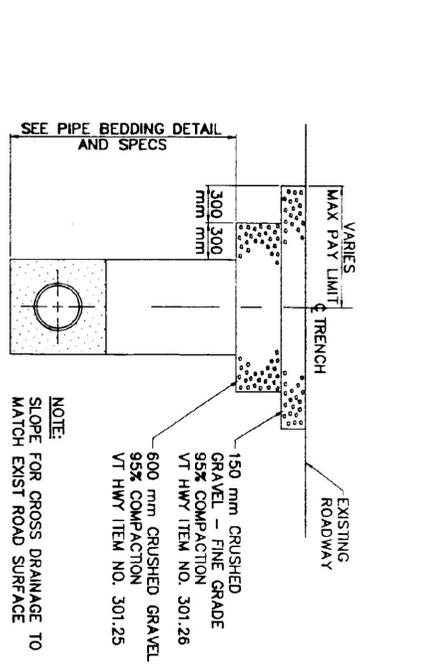
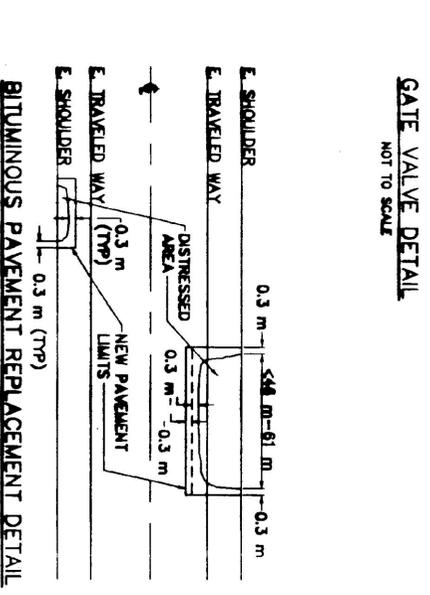
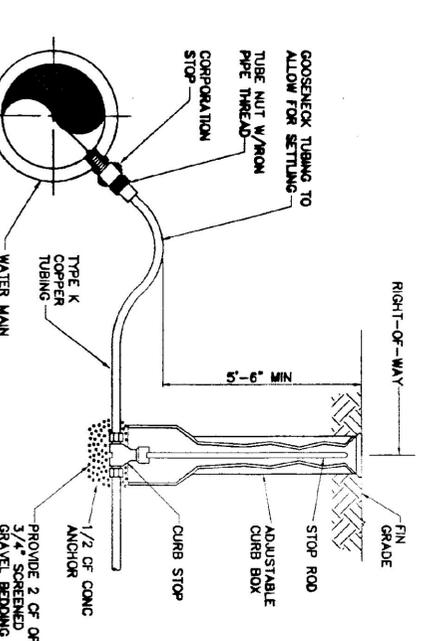
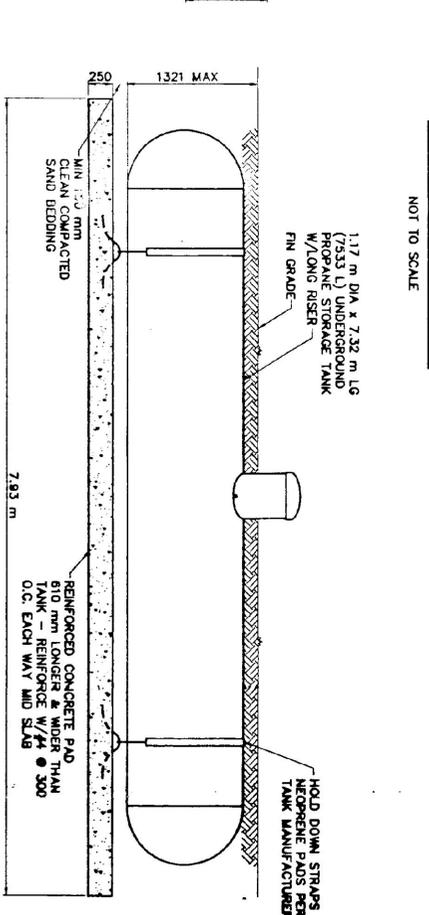
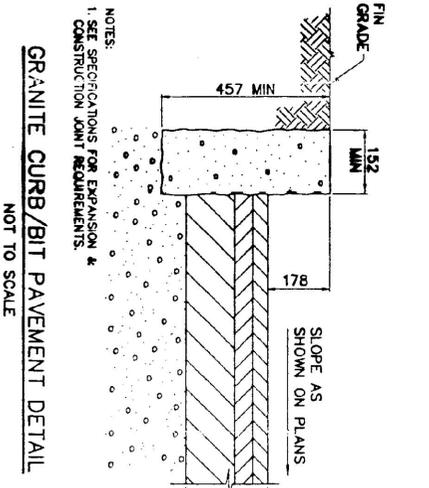
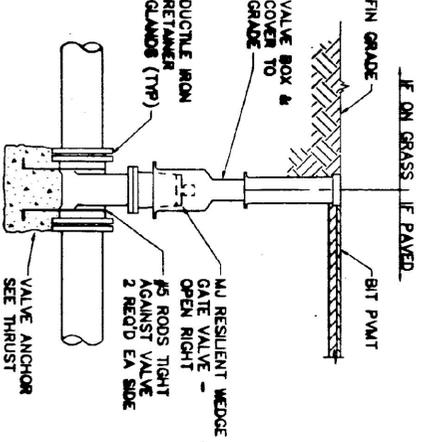
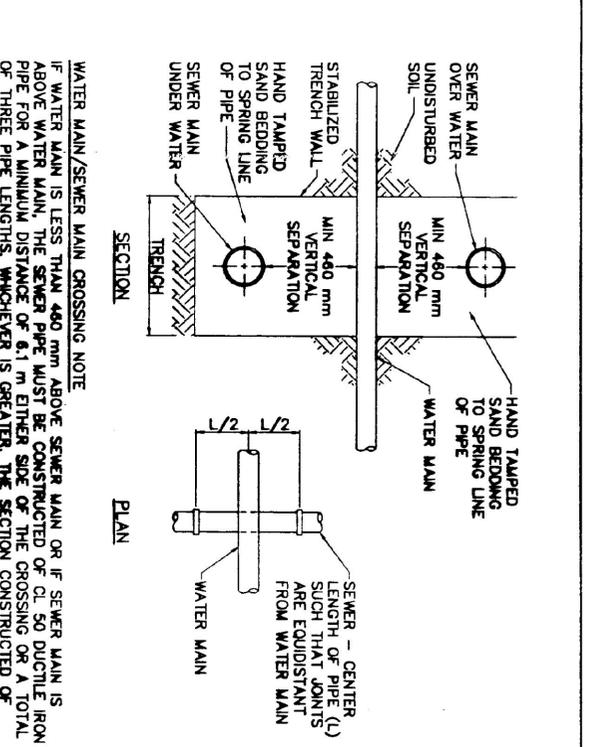
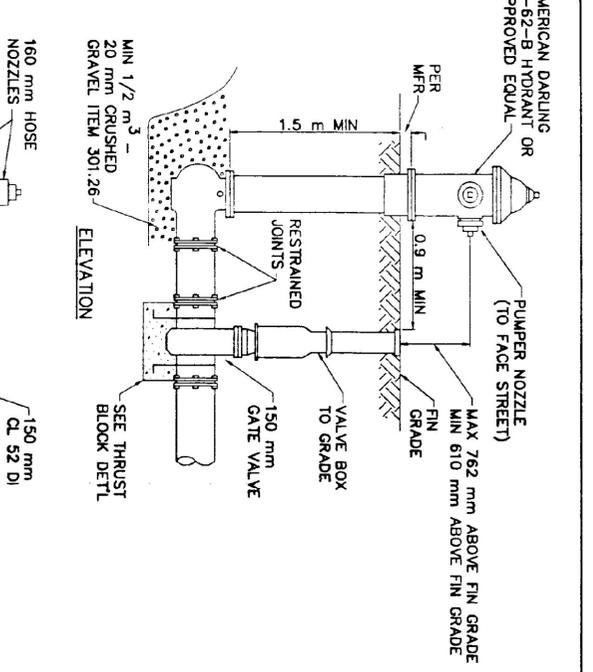
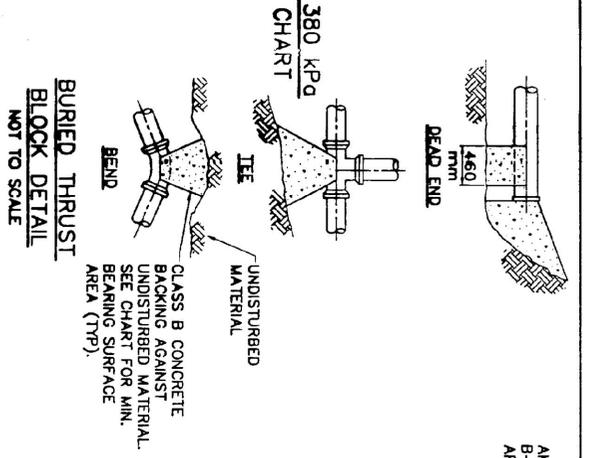


AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS IN SQUARE METERS

PIPE SIZE (mm)	SOFT WET CLAY SAND OR SILT (48 kPa)	DRY SAND (192 kPa)	COMPACT COARSE SAND OR GRAVEL (287 kPa)
200 OR LESS	1.3	4	3
250	1.8	5	4
300	2.8	8	6
350	4.8	11	9
400	6.8	14	12
450	8.7	24	17
500	13.7	34	23
600	17	50	33
700	2.6	7	5
800	3.7	9	7
900	4.8	11	9
1000	5.2	13	10
1100	7.4	18	13
1200	9	22	16
1300	1.5	4	3
1400	2.0	6	4
1500	3.3	10	7
1600	5.2	13	10
1700	7.4	18	13
1800	9	22	16
1900	1.5	4	3
2000	2.0	6	4
2100	3.3	10	7
2200	5.2	13	10
2300	7.4	18	13
2400	9	22	16
2500	1.5	4	3
2600	2.0	6	4
2700	3.3	10	7
2800	5.2	13	10
2900	7.4	18	13
3000	9	22	16

1. DIMENSIONS BASED ON 1380 kPa.
2. FOR PIPE SIZES NOT LISTED, USE NEXT LARGER PIPE SIZE.
3. WHEN MORE THAN ONE SOIL TYPE IS ENCOUNTERED, THE ONE WITH LEAST BEARING CAPACITY SHALL BE USED.
4. RETAINING ROADS OR RESTRAINED JOINT PIPE AS APPROVED BY THE ENGINEER SHALL BE USED IN PLACE OF THRUST BLOCKS WHEN WACK IS ENCOUNTERED.



**RECORD DRAWING**

SHOWN PICTORALLY MAY NOT BE TO SCALE

THESE AS-BUILT OR RECORD DRAWINGS HAVE BEEN PREPARED IN PART, ON THE BASIS OF INFORMATION OBTAINED AND PLANS OF RECORD DRAWINGS. THE ENGINEER HAS CONDUCTED VISUAL CHECKS FOR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT OF INFORMATION BY OTHERS.

STATE OF VERMONT  
AGENCY OF ADMINISTRATION  
DEPARTMENT OF  
BUILDINGS & GENERAL SERVICES

PROJECT NO. IM 091-1 (30)  
SOUTHEAST VERMONT WELCOME CENTER  
GUILDFORD, VERMONT

DESIGN BY: JAC  
DRAWN BY: DSM  
CHECK BY: JAC  
CHECK BY: MPY

DATE: 1-16-98  
SHEET NO. OF SHEETS

NO. DATE REVISIONS

1 12/99 NO AS-BUILT INFORMATION ADDED

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