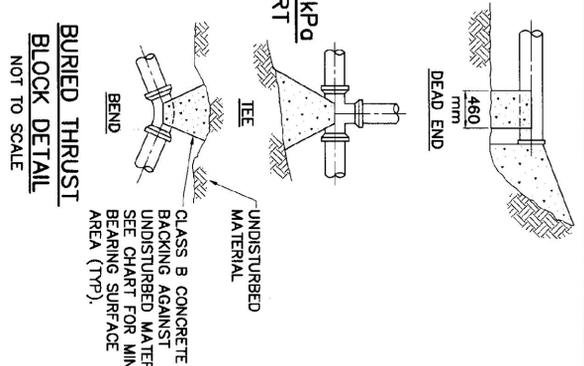


AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS IN SQUARE METERS

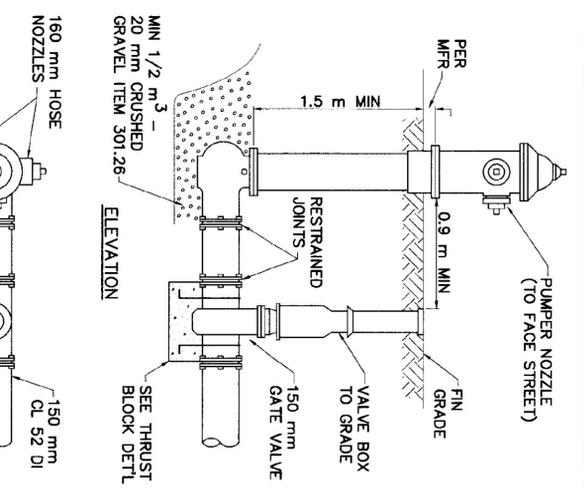
PIPE SIZE (mm)	SOFT WET CLAY SAND OR SILT (48 kPa)	DRY SAND (192 kPa)	COMPACT COARSE SAND OR GRAVEL (287 kPa)
200 OR LESS	1.3	.4	.3
250	1.9	.5	.4
300	2.6	.7	.5
400	4.5	1.1	.7
500	6.9	1.8	1.2
600	9.7	2.4	1.7
1/4 BEND (90°)			
200 OR LESS	1.7	.5	.3
250	2.6	.7	.5
300	3.7	.9	.7
400	6.3	1.6	1.1
500	9.7	2.4	1.7
600	13.7	3.5	2.3
1/8 BEND (45°)			
200 OR LESS	9	3	2
250	15	4	3
300	20	6	4
400	32	8	6
500	52	13	9
600	74	19	13
1/16 BEND (22 1/2°) AND SEWER MAIN SHIFTS			
200 OR LESS	6	.2	.1
250	7	.2	.2
300	1.1	.3	.2
400	1.9	.5	.4
500	2.8	.7	.5
600	3.7	.9	.7

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

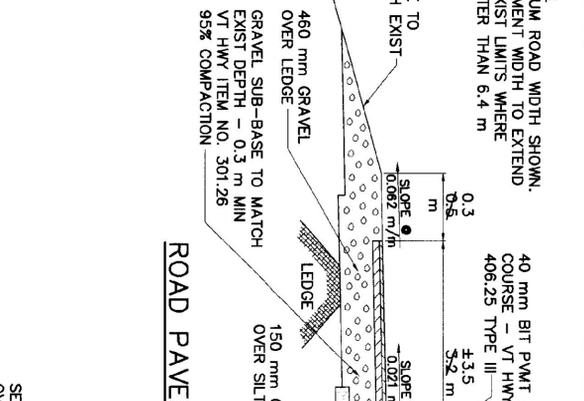
1380 kPa CHART



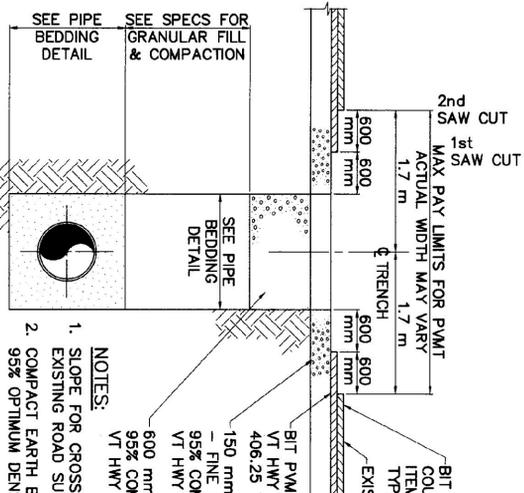
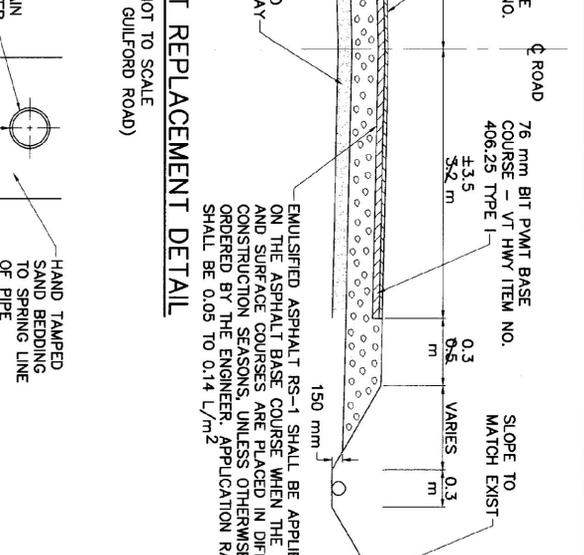
BURIED THRUST BLOCK DETAIL
NOT TO SCALE



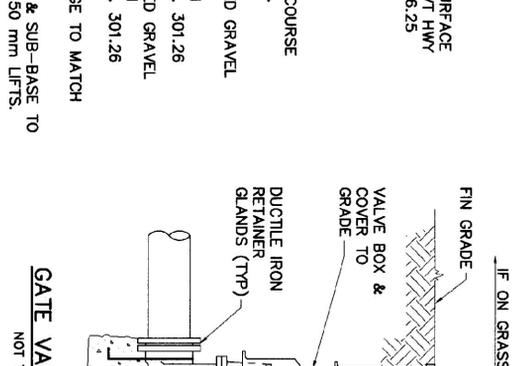
FIRE HYDRANT DETAIL
NOT TO SCALE



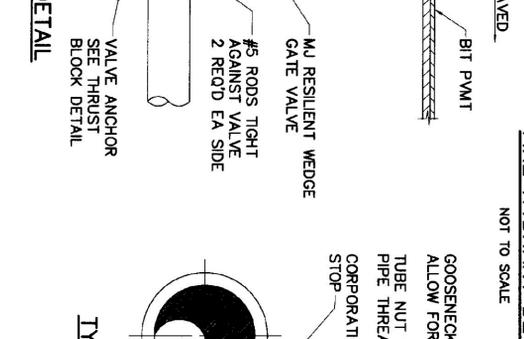
ROAD PAVEMENT REPLACEMENT DETAIL
(OLD GUILFORD ROAD)
NOT TO SCALE



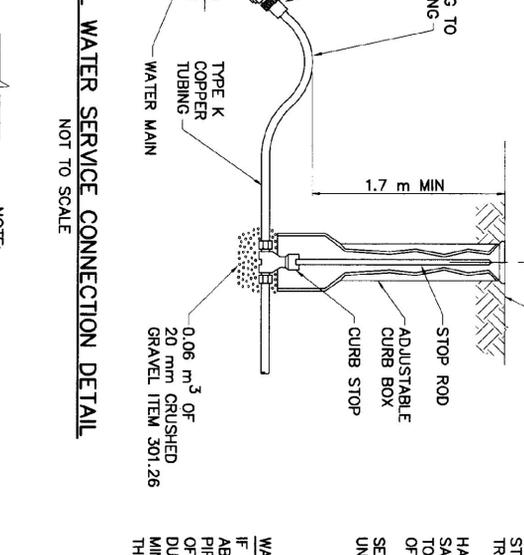
BITUMINOUS PAVEMENT REPAIR DETAIL
NOT TO SCALE



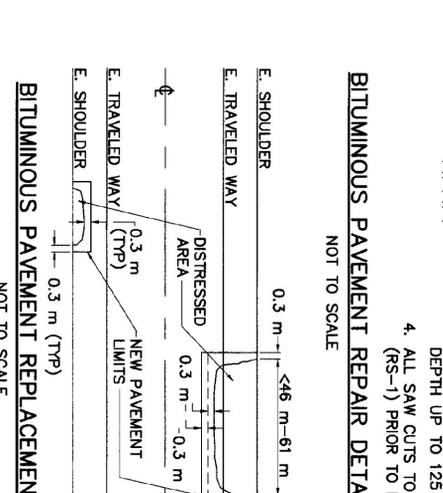
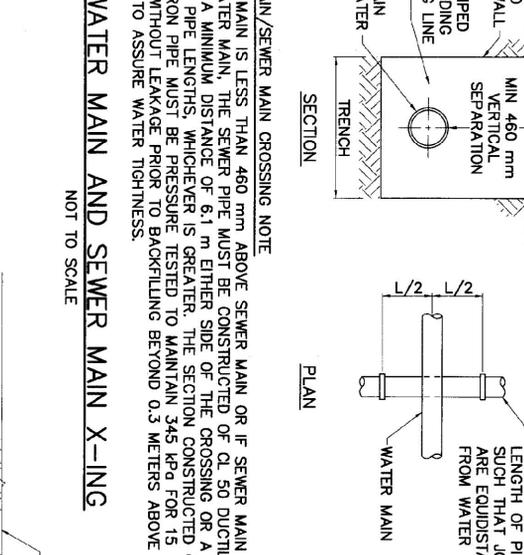
GATE VALVE DETAIL
NOT TO SCALE



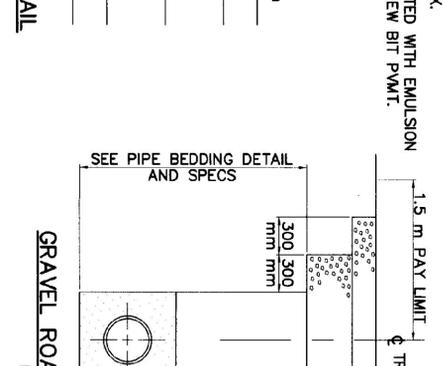
TYPICAL WATER SERVICE CONNECTION DETAIL
NOT TO SCALE



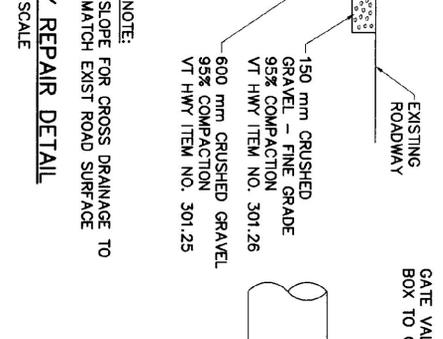
WATER MAIN AND SEWER MAIN X-ING
NOT TO SCALE



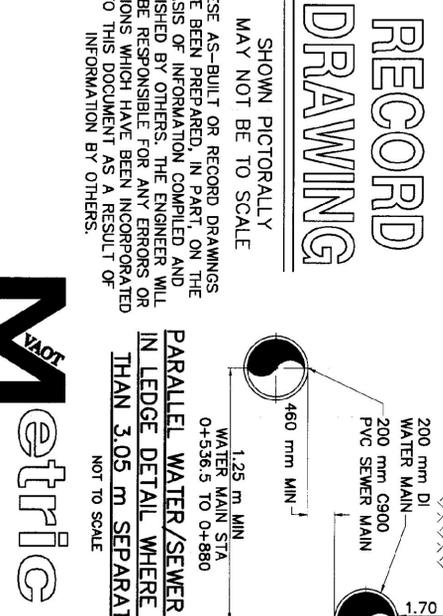
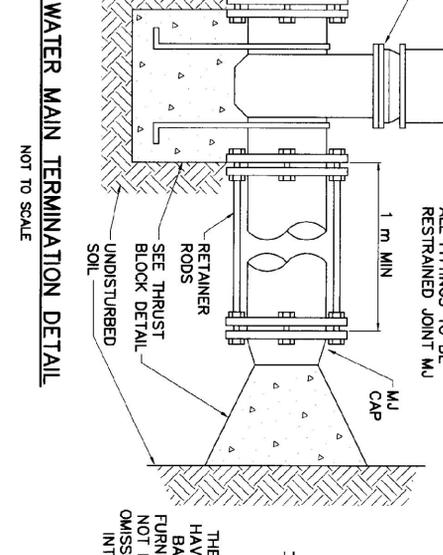
GRAVEL ROADWAY REPAIR DETAIL
NOT TO SCALE



WATER MAIN TERMINATION DETAIL
NOT TO SCALE



RECORD DRAWING



NO.	DATE	REVISIONS	DRWN	CHKD
5	9/30/98	AS-BUILT INFORMATION ADDED	DSM	KAS
4	12/26/96	CONTRACT PLANS	DSM	MPY
3	11/1/96	FINAL REVIEW REVISIONS	DSM	MPY
2	6/4/96	REVISIONS PER REVIEW COMMENTS	DSM	MPY
1	4/8/96	REVISIONS PER REVIEW COMMENTS	DSM	MPY

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FAX 802-775-8915

PROJECT NO. IM 091-1 (29)
WATER & SEWER EXTENSION PROJECT
TOWN OF GUILFORD
TOWN OF BRATTLEBORO

DESIGN BY: JAC
DRAWN BY: DSM
CHECKED BY: JAC

STATE OF VERMONT
AGENCY OF TRANSPORTATION
SOUTHEAST VERMONT WELCOME CENTER
GUILFORD, VERMONT

SHEET TITLE: MISCELLANEOUS DETAILS

DATE: 1-2-96

SHEET NO. 35 OF 55 SHEETS

