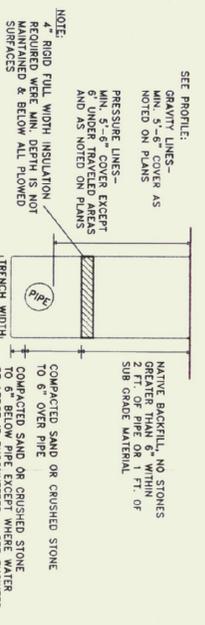
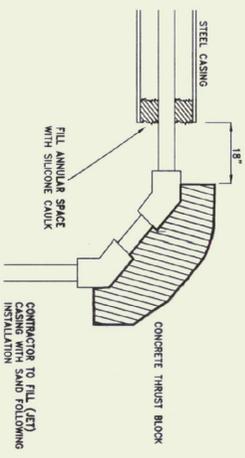


PAVEMENT REPAIR
NTS



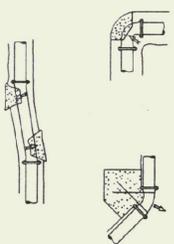
TYPICAL TRENCH DETAIL
NTS



SLEEVE TERMINATION DETAIL
NTS

ESTIMATED BEARING LOADS

SOIL	lbs / sq ft
SILT	1500
SANDY SILT	3000
SAND	4000

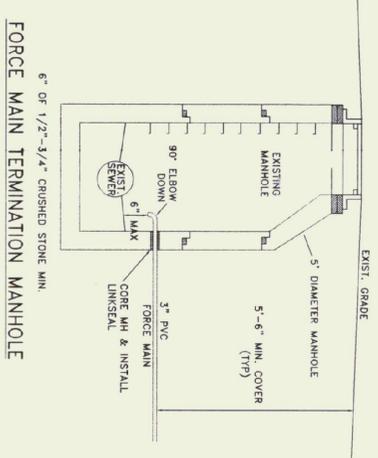


THRUST BLOCK BEARING AREAS (sq. ft.)

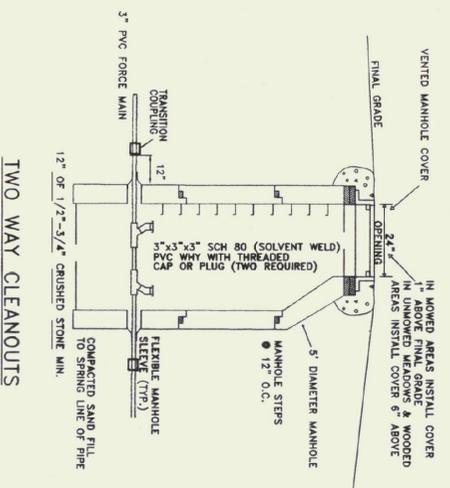
PIPE SIZE	45° BEND	1.3
3 IN		

1. CONCRETE SHALL BE PRODUCED TO ENGINEER'S SATISFACTION BEFORE INSTALLATION.
2. SLUMP SHALL BE BETWEEN 4 TO 6 INCHES.
3. AGGREGATES SHALL CONFORM TO ASTM C33.
4. MINIMUM STRENGTH SHALL BE 4000 PSI.
5. NO CALCIUM CHLORIDE SHALL BE USED IN THE CONCRETE.

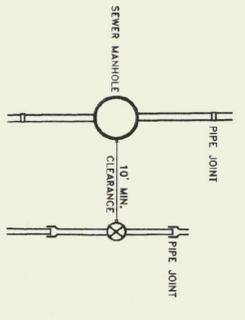
THRUST BLOCK LOCATION
NTS



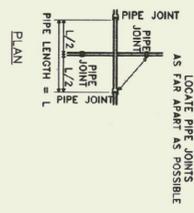
FORCE MAIN TERMINATION MANHOLE
NTS



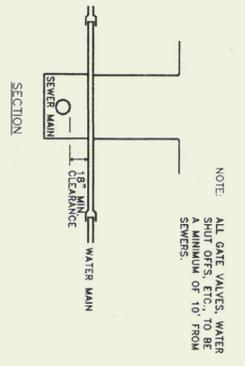
TWO WAY CLEANOUTS
NTS



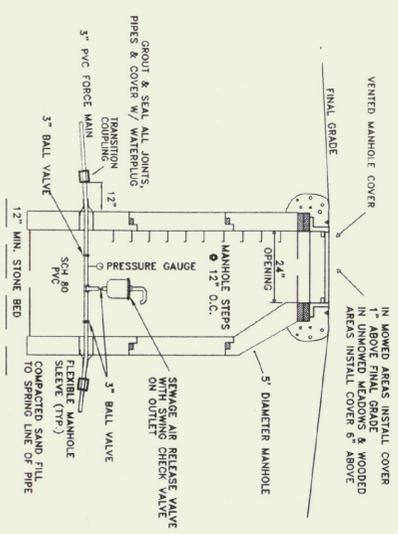
PARALLEL WATER AND SEWER MAIN INSTALLATION
NTS



WATER AND SEWER MAIN CROSSINGS
NTS



SECTION
NOTE: ALL GATE VALVES, WATER SHUT OFFS, ETC., TO BE A MINIMUM OF 10' FROM SEWER.



AIR RELEASE VALVE IN 5" DIA. MANHOLE
NTS

REVISIONS:

- 3/11/99 ADD THRUST BLOCK DETAIL, RELEASED TO TOWN OF FAIR HAVEN FOR REVIEW
- 6/15/99 REROUTE FORCE MAIN MISC. NOTE EDITS
- 7/02/99
- 8/20/99 MISC. NOTE EDITS

RELEASED: AUGUST 1999

ISSUED FOR CONSTRUCTION

FAIR HAVEN
WELCOME CENTER

FAIRHAVEN, VERMONT

Emmon
Engineering
Environmental • Civil • Sanitary
230 North Main Street
Rutland, Vermont 05701
Copyright © 1999
All rights reserved.



THE CERTIFICATION ON THIS DRAWING ONLY INDICATES THE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR PREPARATION AND IS NOT ISSUED FOR CONSTRUCTION UNLESS NOTED IN THE REVISION BOX.
REGULATORY APPROVAL STAMP

MISCELLANEOUS
SEWER
DETAILS

SCALE: AS NOTED

DATE: 02/24/99

DESIGN BY: BJE/TNT

DRAWN BY: JBT/JPL

SHEET NO: 7 OF 9

PROJECT NO: 9816