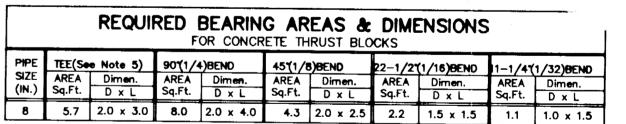


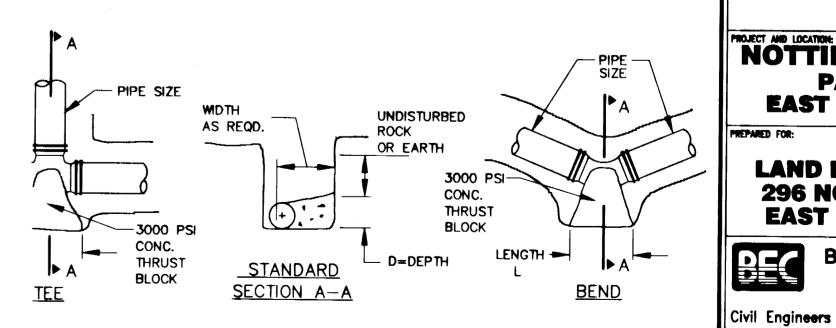
1.	FOR REQUIRED BEARING AREA DIMENSIONS D & L
	SEE TABLE. DIMENSIONS OF D & L OTHER
	THAN THOSE SHOWN IN THE TABLE MAY BE USED PROVIDED
	THE TABLE MAT BE USED PROVIDED
	THEY MELD A BEARING AREA EQUAL TO OR LARGER THAN
	THAT REQUIRED.
	ITAT REQUIRED.

- 2. CONCRETE NOT TO OVERLAP ANY JOINT.
- CONCRETE TO BE PLACED SO AS NOT TO INTERFERE WITH REMOVING OR INSTALLING ANY OF THE JOINTING HARDWARE.
- 4. APPROXIMATE VOLUME OF CONCRETE THRUST BLOCK: $V = \frac{LD (W+ID) ID}{LD (W+ID)}$

WHERE: V = VOLUME L = LENGTH D = DEPTH (

- V = VOLUME IN CUBIC YARDS
 L = LENGTH OF BLOCK IN FEET
 D = DEPTH OF BLOCK IN FEET
 W = WIDTH OF BLOCK IN FEET
 ID = INSIDE DIAMETER OF PIPE IN FEET
- VALUES FOR TEE ALSO APPLY TO END PLUGS, CAPS, AND TAPPING SLEEVES.
- 6. REQUIRED BEARING AREAS ARE DUE TO THRUSTS CAUSED BY 150 PSI WORKING PRESSURE PLUS 50%(75 PSI) SURGE ALLOWANCE RESULTING IN 225 PSI TOTAL INTERNAL PRESSURE. NORMAL PIPE DIAMETER USED.
- 7. REQUIRED BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING CAPACITY OF 2000 LBS. PER SQUARE FOOT FOR SAND. DUE TO OTHER SOIL CONDITIONS ENCOUNTERED, BEARING AREAS MAY BE MODIFIED BY THE ENGINEER.
- 8. IN MUCK, PEAT, OR RECENTLY PLACED FILL ALL THRUST SHALL BE RESISTED BY PILES OR TIE RODS TO SOLID FOUNDATIONS, OR BY REMOVAL OF SUCH UNSTABLE MATERIAL AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THE THRUSTS, ALL AS REQUIRED BY THE ENGINEER.





THRUST BLOCK DETAILS

APPROVED BY EAST LONGMEADOW PLANNING BOARD

MICHAEL PROCTOR

CIVIL
No. 34924

MICHAEL AS NOTED

MATE

4/2000

DESIGNED BY
F.A.D.

CHECKED BY

DETAIL SHEET No. 1

NOTTINGHAM MEADOWS

PARKER STREET

EAST LONGMEADOW, MA

APPLE

LAND DEVELOPMENT, INC.

296 NORTH MAIN STREET

EAST LONGMEADOW, MA

BAYSTATE ENVIRONMENTAL

CONSULTANTS INC.

Environmental Scientists

18/14/00 REVISED SEWER MANHOLE DETAIL

SD-2550