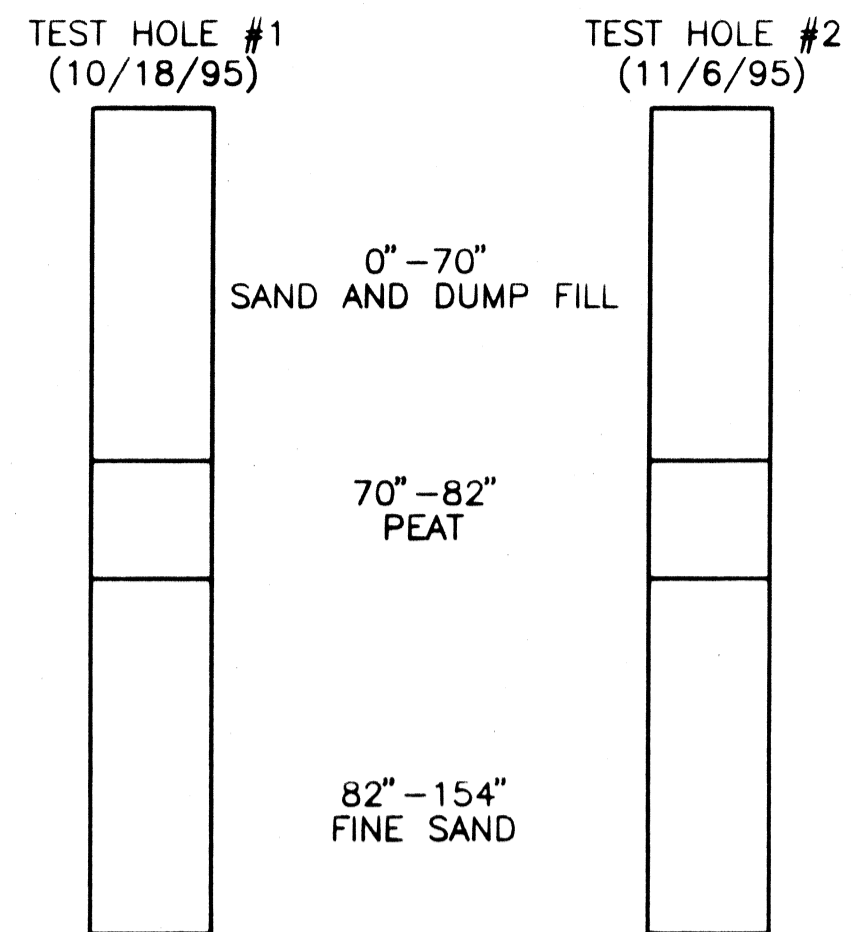


**TYPICAL ABSORPTION TRENCH DETAIL**  
NOT TO SCALE



TESTS PERFORMED BY: GORDON W. WOLFE  
REGISTERED SANITARIAN #573  
LICENSED SOIL EVALUATOR

WITNESSED BY: HAROLD E. CHENEVERT, JR.  
BOARD OF HEALTH

**TEST HOLE DATA**  
NOT TO SCALE

**SEWAGE DISPOSAL SYSTEM MINIMUM DESIGN REQUIREMENTS:**

**SYSTEM SEWAGE FLOW:**

3 BEDROOM SINGLE FAMILY DWELLING = 330 GPD

**SEPTIC TANK:**

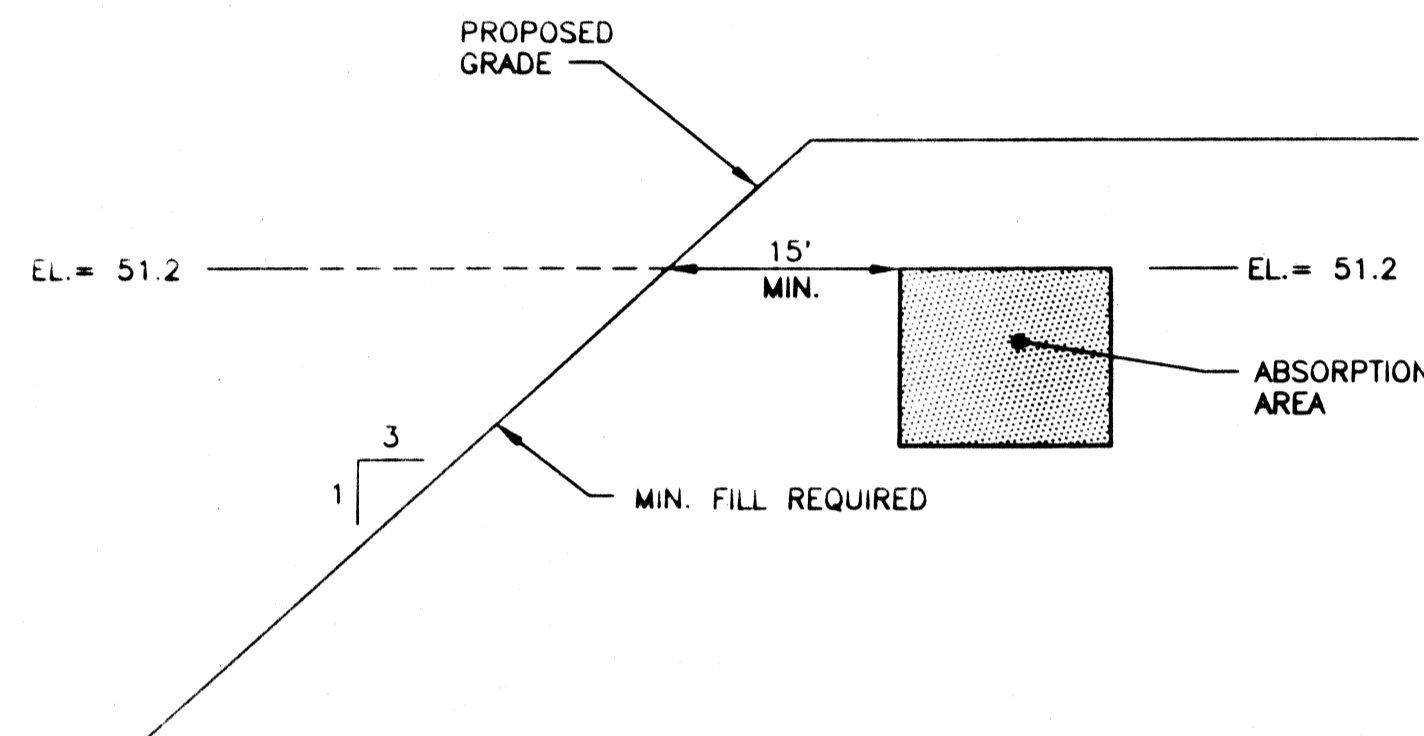
MIN. SIZE = 1500 GALS

**SOIL ABSORPTION SYSTEM:**

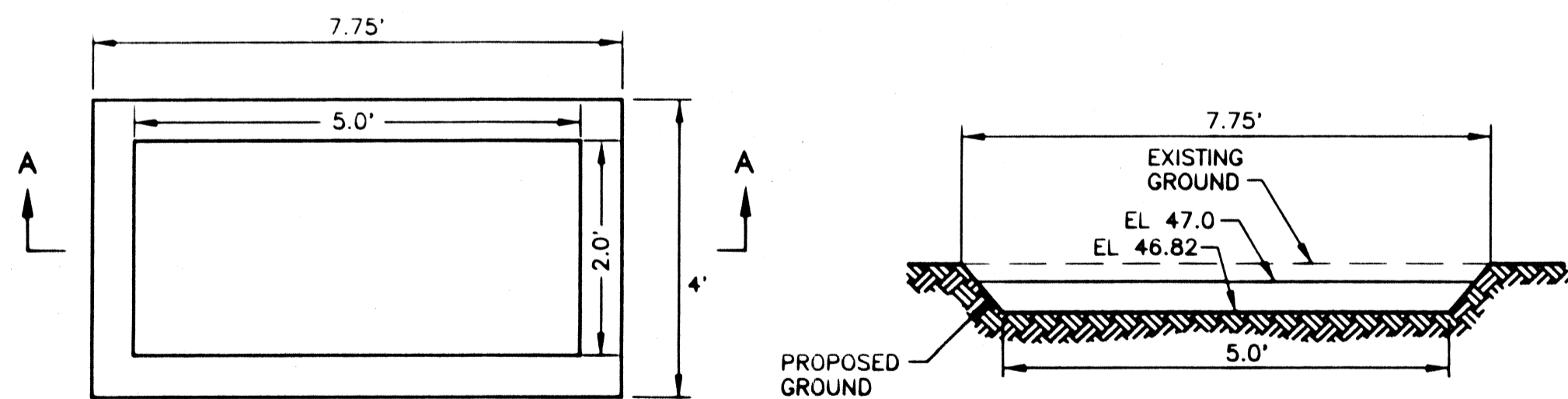
SOIL TEXTURAL CLASS = CLASS I  
PERCOLATION RATE = 8 MIN/INCH  
EFFLUENT LOADING RATE = 0.66 GPD/S.F.  
ABSORPTION AREA REQUIRED = 330 GPD/0.66 = 500 SF/MIN

**SANITARY DISPOSAL SYSTEM NOTES:**

- 1.0 ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE STATE ENVIRONMENTAL CODE TITLE V: MINIMUM REQUIREMENTS FOR THE SUBSURFACE DISPOSAL OF SANITARY SEWAGE AND THE TOWN OF SEEKONK'S BOARD OF HEALTH. ALL COMPONENTS SHALL BE DESIGNED FOR AASHTO HS20-44 LOADING.
- 2.0 THE SEPTIC TANK SHALL CONFORM TO THE FOLLOWING:
  - 2.1 THE TANK SHALL BE A ROTONDO & SONS, INC. ST 1500 WITH BAFFLE, OR APPROVED EQUAL.
  - 2.2 THREE (3) 20" DIA. MANHOLE FRAME AND COVERS SHALL BE EXTENDED TO WITHIN 6" BELOW FINISHED GRADE.
- 3.0 THE DISTRIBUTION BOX SHALL CONFORM TO THE FOLLOWING:
  - 3.1 PROVIDE WATERTIGHT, 24" MH FRAME AND COVER TO WITHIN 6" BELOW FINISHED GRADE.
  - 3.2 ALL OUTLET INVERTS SHALL BE SET EQUAL AND 2" BELOW THE INLET INVERT
  - 3.3 MIN COVER = 12"
  - 3.4 MAX COVER = 24"
  - 3.5 MIN SUMP BELOW INLET INVERT = 8"
  - 3.6 D-BOX SHALL HAVE MIN. INTERNAL DIMENSIONS OF 2'X2'.
- 4.0 THE SOIL ABSORPTION SYSTEM SHALL CONFORM TO THE FOLLOWING:
  - 4.1 TOPSOIL, SUBSOIL AND OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM ALL AREAS BENEATH THE ABSORPTION AREA AND 5 FEET IN ALL DIRECTIONS. ALL DEBRIS BETWEEN THE SYSTEM AND ADJACENT WETLANDS MUST BE REMOVED AND REPLACED WITH CLEAN FILL.
  - 4.2 ACTUAL ABSORPTION AREA : BOTTOM 2 (42' X 4') = 336  
SIDEWALLS 4 (42' X 1') = 168  
TOTAL 504 FT
- 5.0 FILL MATERIAL SHALL CONFORM TO TITLE 5 FILL SPECIFICATIONS
- 6.0 NO GARBAGE GRINDER SHALL BE ALLOWED.
- 7.0 ALL PVC GRAVITY PIPING SHALL BE SCHEDULE 40.



**MINIMUM FILL PLACEMENT REQUIREMENTS**  
NOT TO SCALE



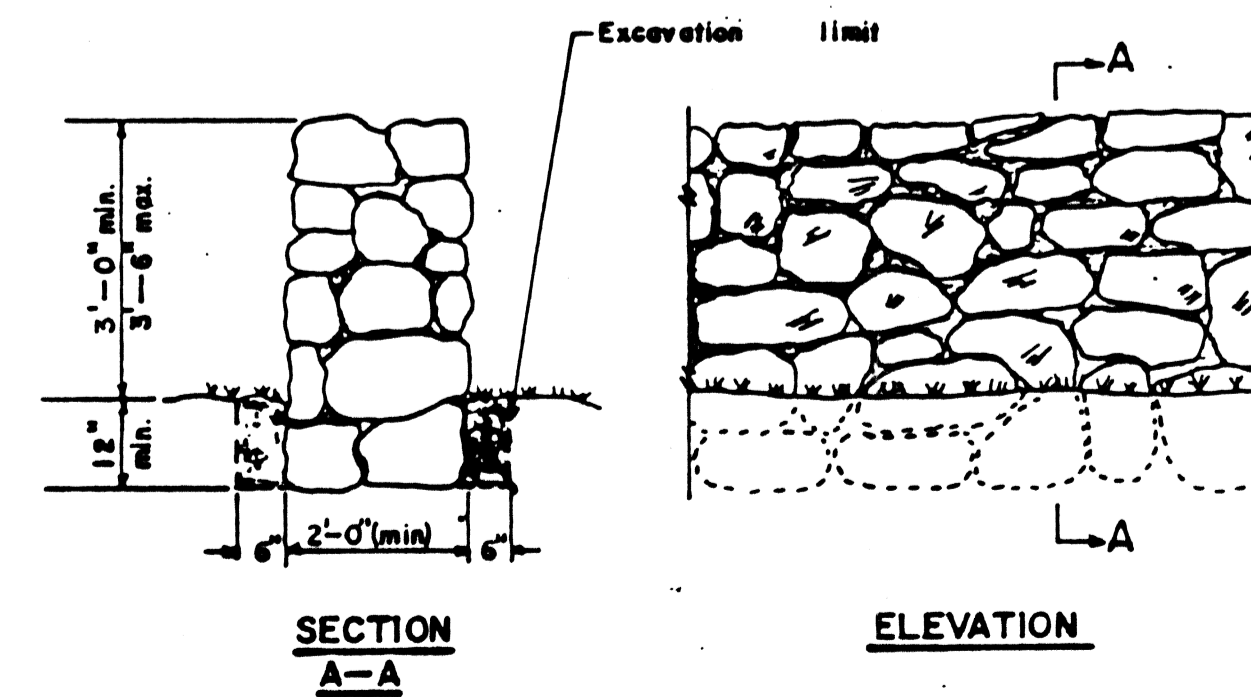
**PLAN**

**SECTION A-A**

**FLOOD ZONE COMPENSATION COMPUTATIONS**

FILL VOLUME:	EL. 47.00	AREA = 31 FT <sup>2</sup>
	EL. 46.82	AREA = 10 FT <sup>2</sup>
	VOLUME	3.7 FT <sup>3</sup>
COMPENSATION VOLUME:	EL. 47.0	AREA = 31 FT <sup>2</sup>
	EL. 46.82	AREA = 10 FT <sup>2</sup>
	VOLUME	3.7 FT <sup>3</sup>

**FLOOD ZONE COMPENSATION DETAIL**  
NOT TO SCALE



**STONE WALL**  
NOT TO SCALE

NO.	DATE	REVISION	BY
1	3/96	SEPTIC SYSTEM DETAILS	
2	4/96	ENVIRONMENTAL PROTECTION NOTES & DETAILS	
3	4/96	SEPTIC SYSTEM DATA	

**CROSSMAN ENGINEERING, INC.**  
Engineers & Surveyors  
151 Centerville Road  
Warwick, Rhode Island

**SITE LAYOUT PLAN**  
A.P. 19, LOTS 173, 174, 232 AND 233  
ARCADE AVENUE  
SEEKONK MASSACHUSETTS  
OWNER: MARY AND MANUEL PESTANA  
69 JEAN STREET, SEEKONK MASSACHUSETTS 02771  
FILE NO. 448-BET DATE: JANUARY, 1998 SCALE: AS NOTED SHEET 2 OF 2

69-346  
Page 2 of 2