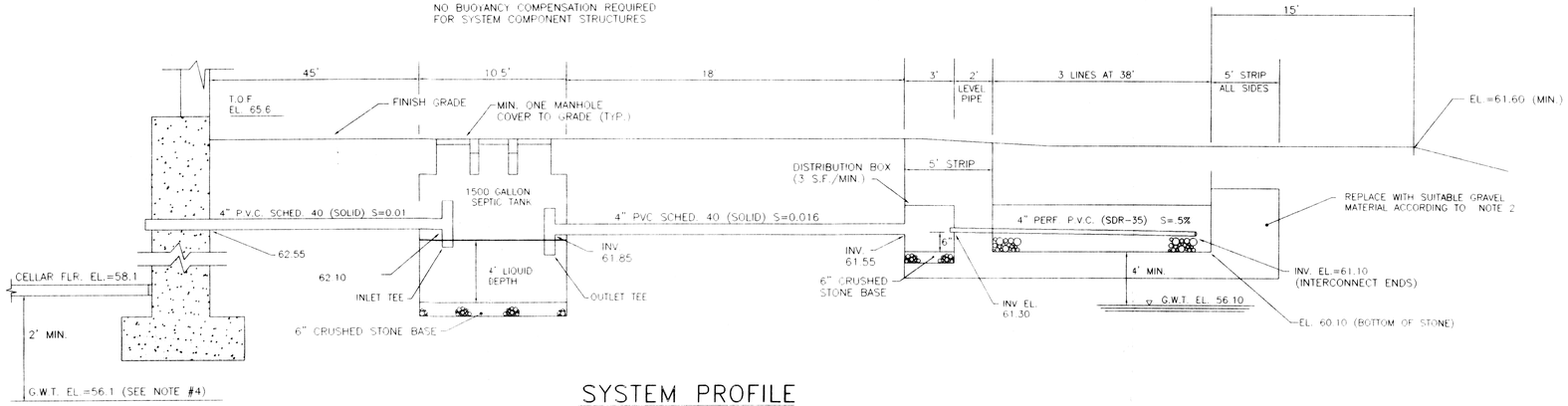
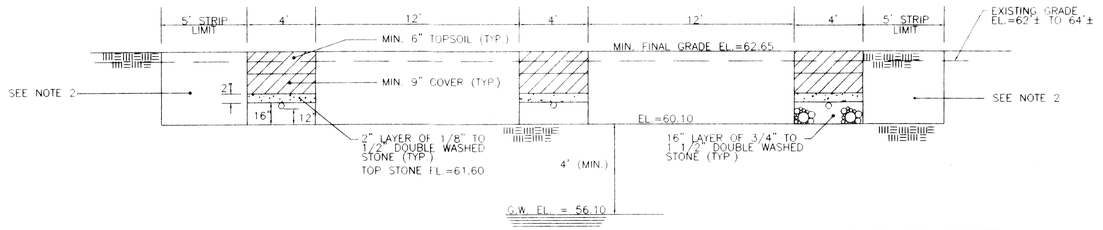
NOTE
NO BUOYANCY COMPENSATION REQUIRED FOR SYSTEM COMPONENT STRUCTURES

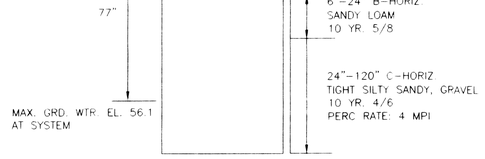


SYSTEM PROFILE
N.T.S.

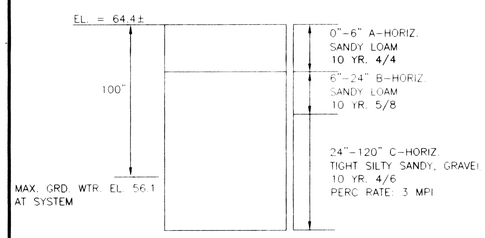


TYPICAL TRENCH SECTION
N.T.S.

TEST PIT TP-1



TEST PIT TP-2



DESIGN DATA

DAILY SEWAGE FLOW

3 BEDROOMS X 110 GALLONS PER DAY/BEDROOM X 1.50 = 495 GALLONS/DAY

SEPTIC TANK REQUIREMENTS

1500 GALLONS (MINIMUM)

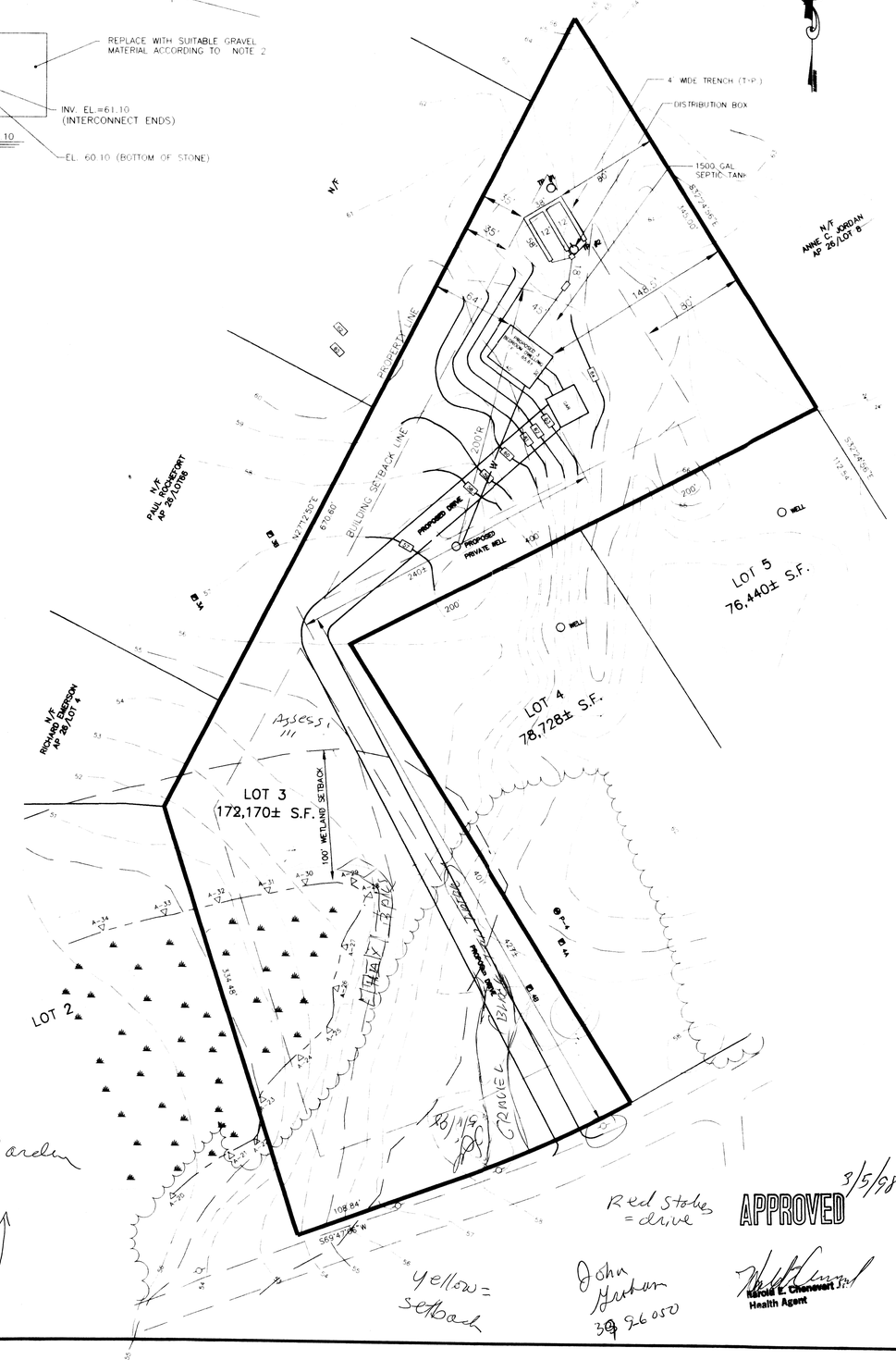
LEACHING AREA REQUIREMENTS

DESIGN PERC RATE 10 M.P.I.
CLASS II SOIL 0.60 GPD/SF
LEACHING AREA REQ'D. =495 GPD ÷0.60 GPD/SF = 825 SF
EFFECTIVE TRENCH WIDTH= 4'
FIELD SIZE =38'LONG X 36'WIDE
USE = LEACHING BED - 3 ROWS WITH 12' SEPARATION W/12" OF STONE UNDER INVERT
DESIGNED LEACHING AREA = 840 SF > 825 SF REQ'D.

NOTES:

1. ALL WORK SHALL CONFORM TO THE 310 CM 15.00 STATE ENVIRONMENTAL CODE TITLE 5 "RULES AND REGULATIONS" AND THE "RULES AND REGULATIONS" OF THE LOCAL BOARD OF HEALTH.
2. STRIP ALL TOP SOIL, SUBSOIL AND OTHER IMPERVIOUS SOIL IN THE AREA OF THE SYSTEM AND 5' BEYOND IN ALL DIRECTIONS EXCAVATING TO A DEPTH OF 24" BELOW EXISTING GRADE WITH SUITABLE SOIL OR NATIVE SOIL MAINTAINING A PERCOLATION RATE OF 10 MINUTES PER INCH.
3. ALL PIPING TO BE 4" PVC SCHED. 40 UNLESS OTHERWISE NOTED.
4. OBSERVED GROUNDWATER CONDITIONS AT NEARBY TEST HOLES INDICATES A THE GROUND WATER CONDITION FROM EXISTING GRADE AT HOUSE TO BE EL. 56.1±.
5. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFER SUBSTANTIALLY FROM THOSE SHOWN IN THE PLAN, THE CONTRACTOR SHALL NOTIFY SOUSA CONSULTING ENGINEERS BEFORE PROCEEDING WITH CONSTRUCTION.
6. NO DOMESTIC GARBAGE GRINDER IS ALLOWED FOR THIS SYSTEM.
7. TOP OF FOUNDATION ELEVATION SET AT 65.6± BASED ON ASSUMED GROUND WATER TABLE ELEVATION (SEE NOTE #4).
8. INLET AND OUTLET TEES SHALL BE 4" PVC (SCHED 40).
9. SINCE THERE IS NO PUBLIC WATER SUPPLY IN THIS AREA, A PRIVATE WELL IS PROPOSED.
10. AREA BETWEEN TRENCHES ARE DESIGNATED AS THE SYSTEM RESERVE AREA.
11. THE TOE OF SLOPE SHALL BE A MINIMUM OF 5 FEET FROM ANY ADJACENT PROPERTY LINE, SWALE OR ANY OTHER DRAINAGE SYSTEM DIRECTION RUNOFF AWAY FROM THE ADJACENT PROPERTY.
12. A MINIMUM OF 15 FEET HORIZONTAL SEPARATION DISTANCE SHALL BE PROVIDED BETWEEN THE SOIL ABSORBPTION AREA AND THE ADJACENT SIDE SLOPE AS MEASURED FROM THE EDGE OF THE TOP OF THE 2 INCH LAYER OF 1/8 TO 1/2 INCH WASHED STONE AGGREGATE COVER.
13. PRIOR TO THE PLACEMENT OF THE FILL, WHICH SHALL BE STOCKPILED AT THE EDGE OF THE EXCAVATION AND FILLED IN GRADUALLY, THE BOTTOM SURFACE OF THE EXCAVATION SHALL BE SCARIFIED AND RELATIVELY DRY. FILL SHALL NOT BE PLACED DURING RAIN OR SNOW STORMS. IF THE WATER TABLE ELEVATION IS ABOVE THE DEVIATION OF THE BOTTOM OF THE EXCAVATION, THE EXCAVATION SHALL BE DE-WATERED AS NECESSARY.
14. CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION VIII OF THE "RULES AND REGULATIONS GOVERNING THE SUB-DIVISION OF LAND " AND MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS.
15. ALL UTILITY SYSTEMS SHALL BE INSTALLED IN CONFORMANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITIES AND THE SEEKONK SUPERINTENDENT OF PUBLIC WORKS.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft



384
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SOUSA CONSULTING ENGINEERS
ENGINEERS - DESIGNERS - CONSULTANTS

COMMONWEALTH OF MASSACHUSETTS MICHAEL P. SOUSA No. 34818 REGISTERED PROFESSIONAL ENGINEER

PROJECT
READ STREET SUBDIVISION
READ STREET SEEKONK, MA.

CLIENT
BRIGHAM SHIRE LTD.
1375 WAMPANOAG TRAIL
EAST PROVIDENCE, R.I.

DRAWING TITLE
SEWAGE DISPOSAL SYSTEM
PROPOSED LOT NO. 3

N°	DATE	REVISIONS	BY

PROJECT N°:

DATE: MARCH 28, 1997
REV. NOV. 3, 1997

SCALE: 1" = 50'

DRAWN BY:

CHECKED BY: M.P.S.

DRAWING NUMBER
1
SHEET 1 OF 1