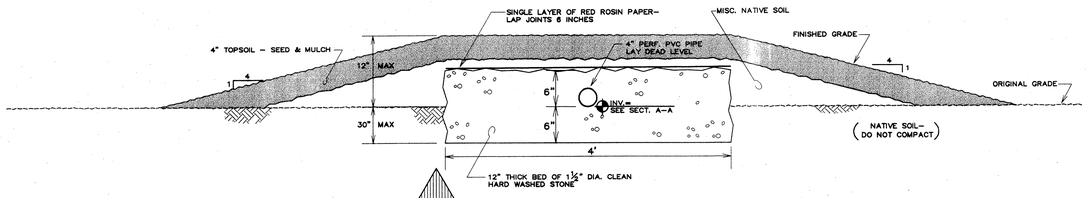
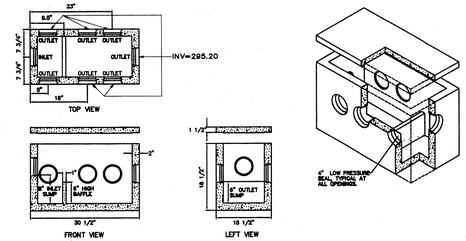


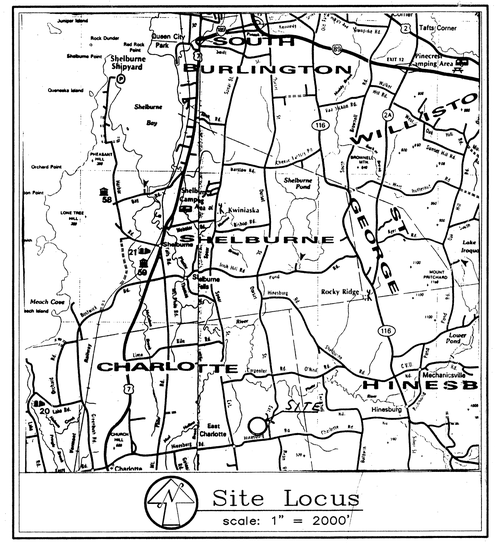
1 S–1 ABSORPTION TRENCH

SCALE: 1"=1'



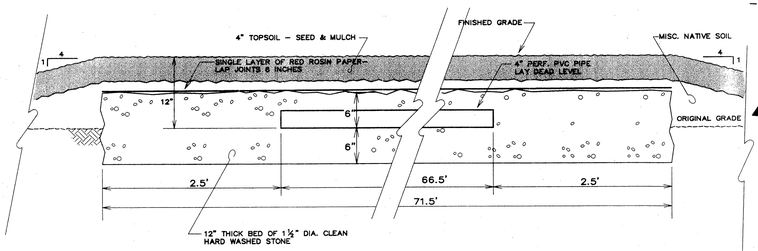
5 S–1 DISTRIBUTION BOX

SCALE: 1"=1'



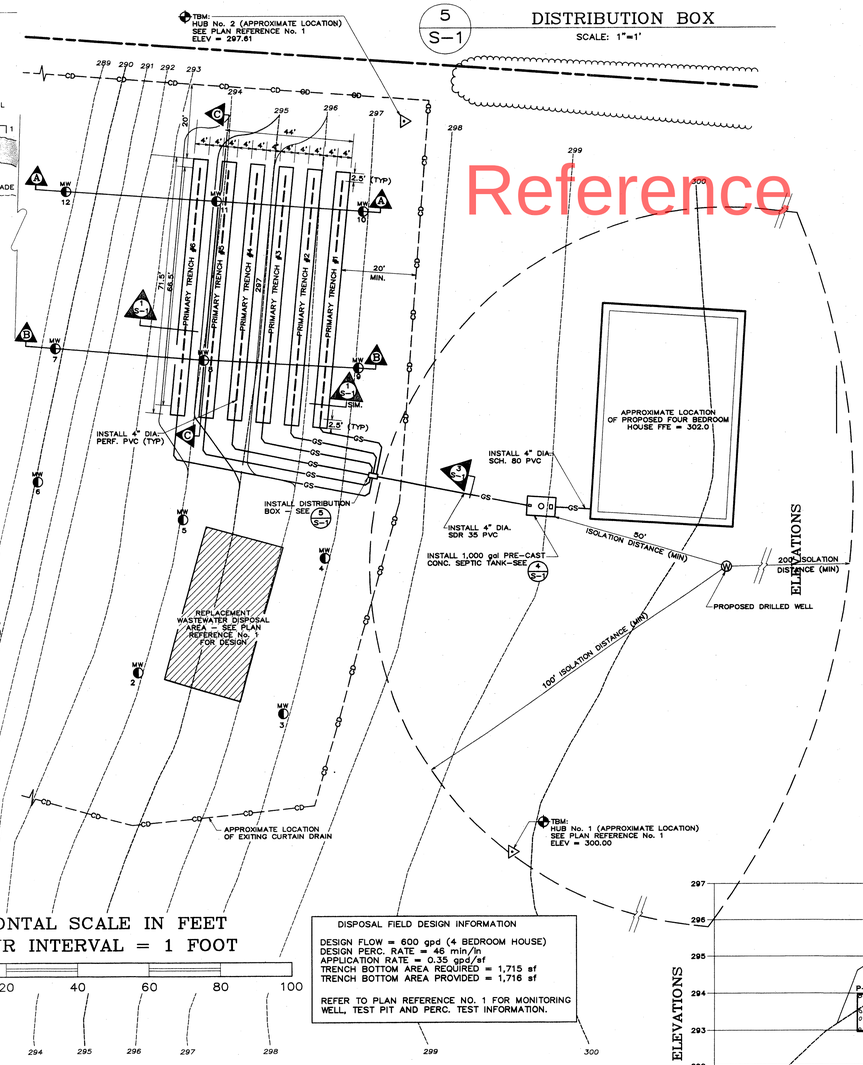
Site Locus

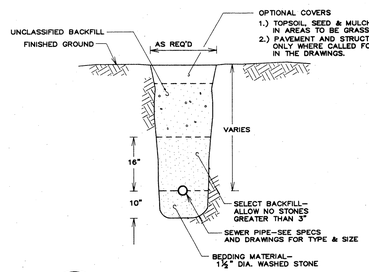
scale: 1" = 2000'



SECTION C–C

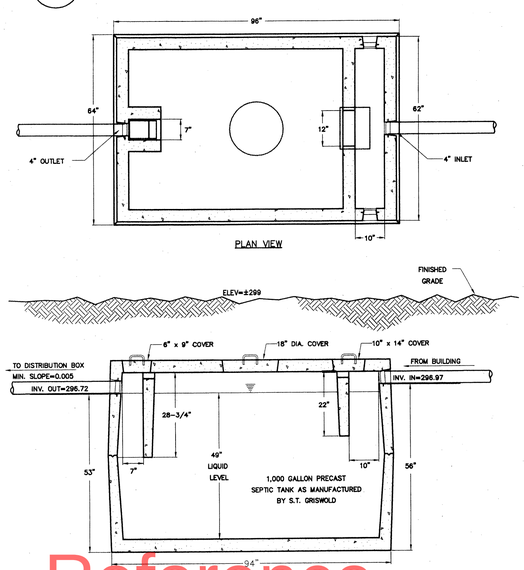
SCALE: 1"=20'





3 S–1 SEWER TRENCH

NOT TO SCALE



4 S–1 SEPTIC TANK

SCALE: 1"=2'

HORIZONTAL SCALE IN FEET

CONTOUR INTERVAL = 1 FOOT

20 10 0 20 40 60 80 100

289 290 291 292 293 294 295 296 297 298 299 300

DISPOSAL FIELD DESIGN INFORMATION

DESIGN FLOW = 600 gpd (4 BEDROOM HOUSE)
DESIGN PERC. RATE = 46 min/in
APPLICATION RATE = 0.35 gpd/sf
TRENCH BOTTOM AREA REQUIRED = 1,715 sf
TRENCH BOTTOM AREA PROVIDED = 1,716 sf

REFER TO PLAN REFERENCE NO. 1 FOR MONITORING WELL, TEST PIT AND PERC. TEST INFORMATION.

NOTES:

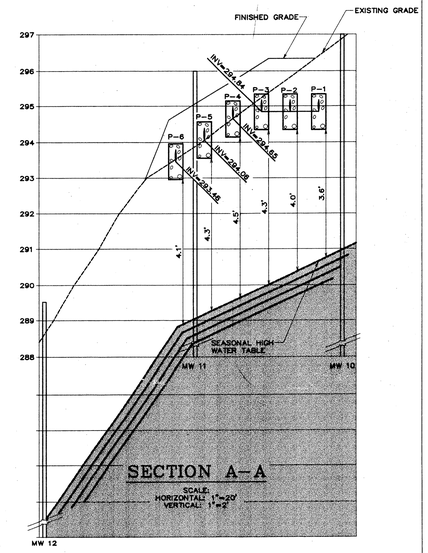
1. PROPOSED USE: Single Family Residence.
2. The boundary lines and topography shown on these plans were taken from plan reference No. 1. This office accepts no responsibility for the correctness of those plans.
3. The Contractor shall be responsible for verifying and determining the location of all existing utilities shown or not shown on this plan prior to the start of construction. The Engineer shall be notified, in writing, of any utilities found interfering with the proposed construction and appropriate remedial action shall be taken before proceeding with the work. The contractor shall verify all dimensions and elevations in the field before commencing construction and notify the engineer, in writing, of any discrepancy found.
4. It is the responsibility of the home owner to periodically check the leveliness of the distribution box to ensure equal distribution.
5. Verify North Property line prior to construction of the wastewater disposal system.
6. Abandon shallow well at the west end of the property.
7. See plan reference No. 1 for soil logs.

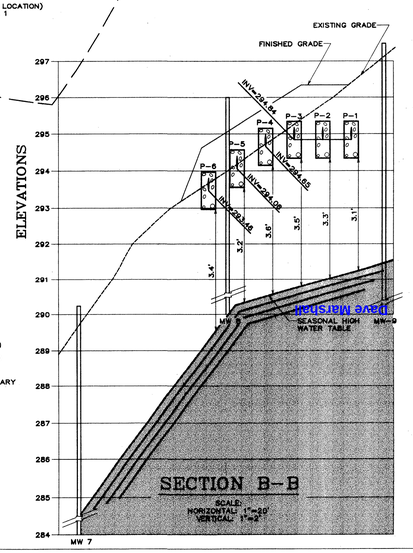
PLAN REFERENCES:

1. "Sanitary Design", Prepared for Fred & Margaret Barrie by Frank R. O'Brien, Rte 7, Shelburne Vermont. Scale: as noted, Date: 9/18/95. Prepared as Project No. 94055.

LEGEND

MW	EXISTING MW (MONITORING WELL)
	TBM (TEMPORARY BENCH MARK)
	EXISTING HUB
	APPROXIMATE PROPERTY BOUNDARY
299	EXISTING CONTOUR
299	PROPOSED CONTOUR
—CD— —CD—	EXISTING CURTAIN DRAIN





SPECIFICATIONS

1.0 MATERIALS

a) Septic Tank – 1,000 gallon precast concrete septic tank as manufactured by S.T. Griswold.

b) Distribution box – D–Box–5 as manufactured by S.T. Griswold

c) Sewer Pipe – From building to septic tank, use 4" PVC solid pipe, SCH. 80. From septic tank to absorption trenches, use 4" pvc solid pipe complying with ASTM D–2729. In absorption trenches use 4" PVC, perforated, complying with ASTM D–2729.

d) Crushed Stone – 1–1/2" diameter clean hard stone. Submit sample to the engineer for approval.

e) Topsoil – Native from on–site, if available.

f) Grass Seed – Mixture of Kentucky Blue Grass and White Clover. Apply winter rye and mulch heavily, if seeded after October 1.

2.0 INSTALLATION

a) Septic Tank and D–Box – Install septic tank and D–Box dead level on undisturbed earth or bedrock. Set to grades indicated on the drawings or as determined by the Engineer in the field. Backfill with native soil and allow no stones larger than 4" in diameter.

b) Sewer Pipe – Where possible, lay sewer pipe at constant grade and alignment. Do not allow any low points in sewer that could collect effluent. Bed and cover sewer as indicated on the Drawings.

c) Absorption Trenches – Request that the Engineer stake trenches to insure construction in the proper location. Install crushed stone and distribution piping. Lay piping dead level. Cover distribution piping with 2" of stone and notify Engineer and Town Health Officer for inspection. After satisfactory inspections, cover stone with red rosin paper, and native topsoil. Fine grade, seed and mulch completed disposal field and all other areas of disturbed soil.

Reference

PROJECT: 95087
DATE: 5/5/96
DESIGN: CGB
DRAWN: CGB
CHECKED: SHR
APPROVED: PHC
SCALE: 1"=20'

Tel. 802-524-2113
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St. Albans, Vermont 05478

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Cross Consulting Engineers, P.C.

REVISION 6/24/96–CHANGED APPLICATION RATE, NUMBER OF TRENCHES, TRENCH BOTTOM AREA, SEPTIC TANK SIZE, SHOWED ELEVATIONS 5, 6 AND 7.

Site Plan

Doug Griswold & Laurie Rowe
P.O. Box 849, Williston, Vermont
Wastewater Disposal System
Dorset Street, Charlotte, Vermont

SITE

S–1

SHEET 1 OF 1

DATE PLOTTED: 6/26/96