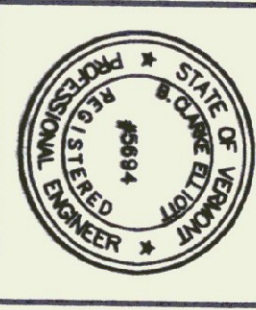


SITE ENGINEER:



CIVIL ENGINEERING ASSOCIATES, INC.
 P.O. BOX 485 SHELBURNE, VT 05482
 802-885-2223 FAX 802-885-2877 e-mail: mail@ceaw.com



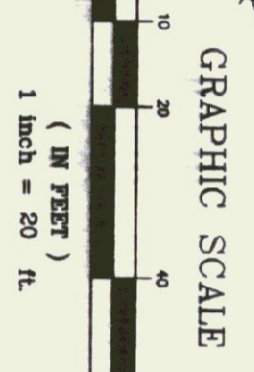
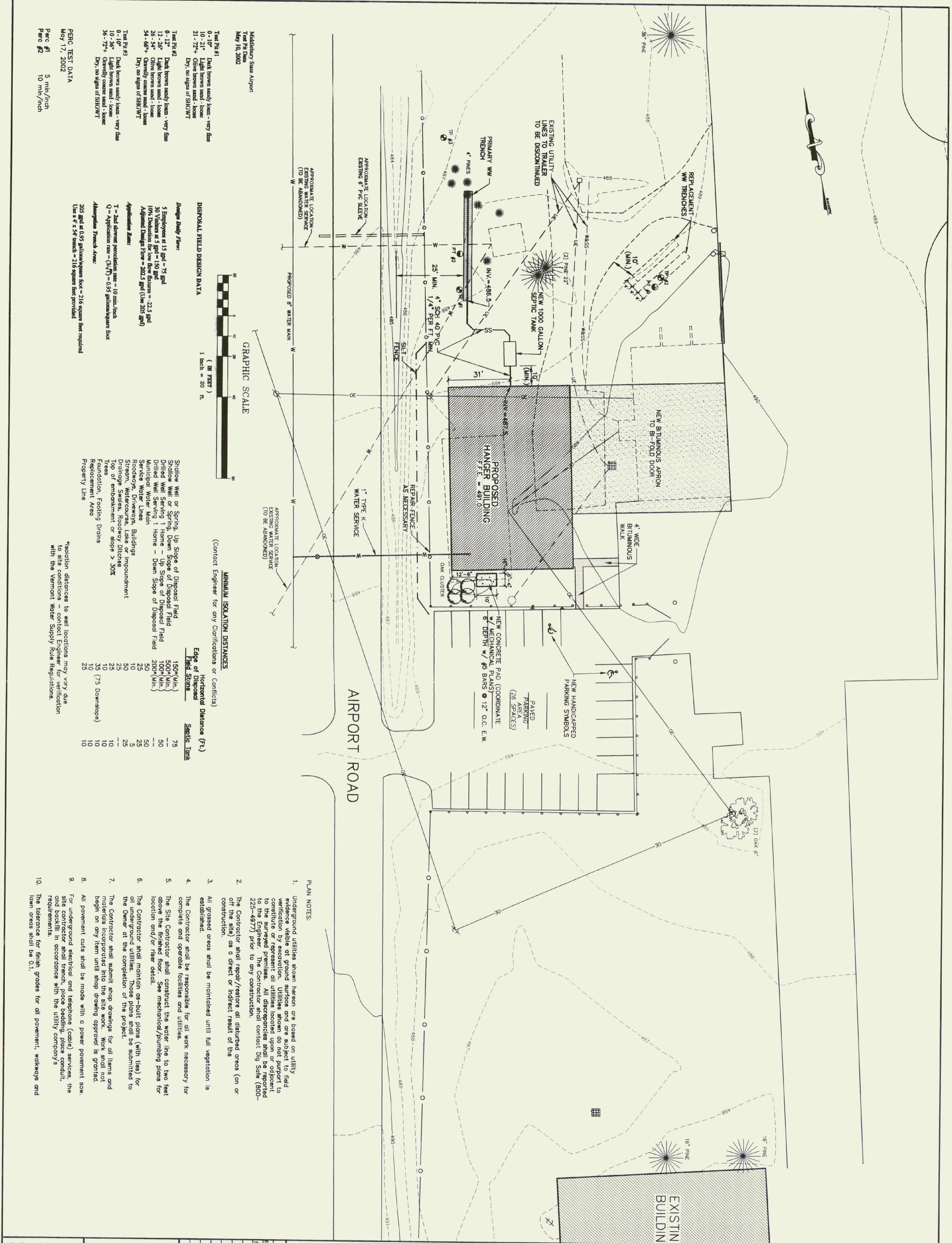
OWNER:
 STATE OF VERMONT
 BUILDINGS and
 GENERAL SERVICES
 MONTPELIER, VERMONT

PROJECT:
 MIDDLEBURY
 AIRPORT
 MIDDLEBURY, VERMONT

DESIGNER:
 PUM
 CHECKED:
 BCE
 APPROVED:
 BCE

LEGEND

- 488 --- EXISTING CONTOUR
- ⊗ POWER POLE
- DE --- EXISTING POWER LINES
- ⊙ LIGHT POLE
- ⊕ CATCH BASIN
- WOODEN GUARD RAIL
- CHAIN LINK FENCE
- SS --- PROPOSED WATER SERVICE
- TP #1 --- PROPOSED SEWER LINE
- ⊙ TEST PIT LOCATION
- ⊙ PERC TEST LOCATION



DISPOSAL FIELD DESIGN DATA

- Test Pit #1**
 0-10" Dark brown sandy loam - very fine
 10-21" Light brown sand - loose
 21-72" Olive brown sand - loose
 Dry, no signs of SHEWY
- Test Pit #2**
 0-12" Dark brown sandy loam - very fine
 12-26" Light brown sand - loose
 26-54" Olive brown sand - loose
 54-66" Generally coarse sand - loose
 Dry, no signs of SHEWY
- Test Pit #3**
 0-16" Dark brown sandy loam - very fine
 16-36" Light brown sand - loose
 36-72" Olive brown sand - loose
 Dry, no signs of SHEWY
- Design Daily Flow:**
 5 Employees at 15 gal = 75 gal
 30 Visitors at 5 gal = 150 gal
 1075 Gallons for low flow fixtures = 22.5 gal
 Adjusted Design Flow = 202.5 gal (Use 200 gal)
- Application Rate:**
 T = 2nd lowest percolation rate = 10 min./inch
 Q = Application rate = (Q/T) = 0.53 gallons/square foot
- Absorption Trench Area:**
 205 gal at 0.53 gallons/square foot = 216 square feet required
 Use a 4' x 54' trench = 216 square feet provided

MINIMUM ISOLATION DISTANCES
 (Contact Engineer for any Clarifications or Conflicts)

Edge of Disposal Field	Horizontal Distance (ft.)	Septic Tank
1500'(Min.)	75	75
500'(Min.)	50	50
100'(Min.)	25	25
200'(Min.)	50	50
50	25	25
25	5	5
10	5	5
25	25	25
10	10	10
35 (75 Downslope)	10	10
10	10	10
25	10	10

PLAN NOTES:

1. Underground utilities shown hereon are based on utility evidence visible at ground surface and are subject to field verification by excavation. Utilities shown do not pertain to the future or represent all utilities located upon or adjacent to the project. Any additional utilities shall be reported to the Engineer. Please contact the contractor Dig Safe (800-225-4977) prior to any construction.
2. The Contractor shall repair/restore all disturbed areas (on or off the site) as a direct or indirect result of the construction.
3. All grassed areas shall be maintained until full vegetation is established.
4. The Contractor shall be responsible for all work necessary for complete and operable facilities and utilities.
5. The Site Contractor shall construct the water line to two feet above the finished floor. See mechanical/plumbing plans for location and/or floor detail.
6. The Contractor shall maintain as-built plans (with ties) for all underground utilities. Those plans shall be submitted to the Owner at the completion of the project.
7. The Contractor shall submit shop drawings for all items and materials incorporated into the site work. Work shall not begin on any item until shop drawings are approved.
8. All pavement cuts shall be made with a power pavement saw.
9. For underground electrical and telephone (cable) services, the site contractor shall trench, place bedding, place conduit, and backfill in accordance with the utility company's requirements.
10. The tolerance for finish grades for all pavement, walkways and lawn areas shall be 0.1'.

PROPOSED CONDITIONS PLAN

DATE: 6/5/2002
 SCALE: T = 20'
 PHO. NO. 01309.01
 DRAWING NUMBER: C2