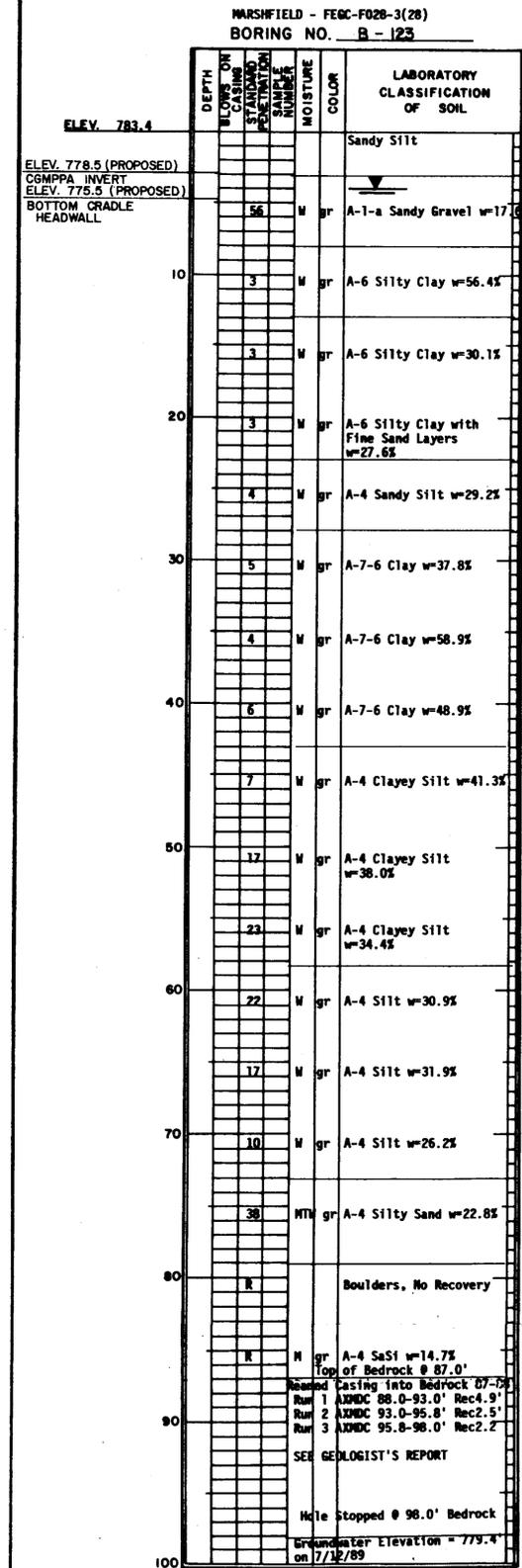


| STD. PENETRATION BORINGS | | | |
|--------------------------|-------------|---------|-------------|
| BORING NO. | SURVEY STA. | OFFSET | SURFACE EL. |
| B-123 | 260+60 | 30' LT. | 783.4 |
| B-124 | 250+55 | 30' RT. | 779.8 |

| FED. RD. DIV. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|-------------------|-------|--------------------|-------------|-----------|--------------|
| 1 | VT | | 19 | | |



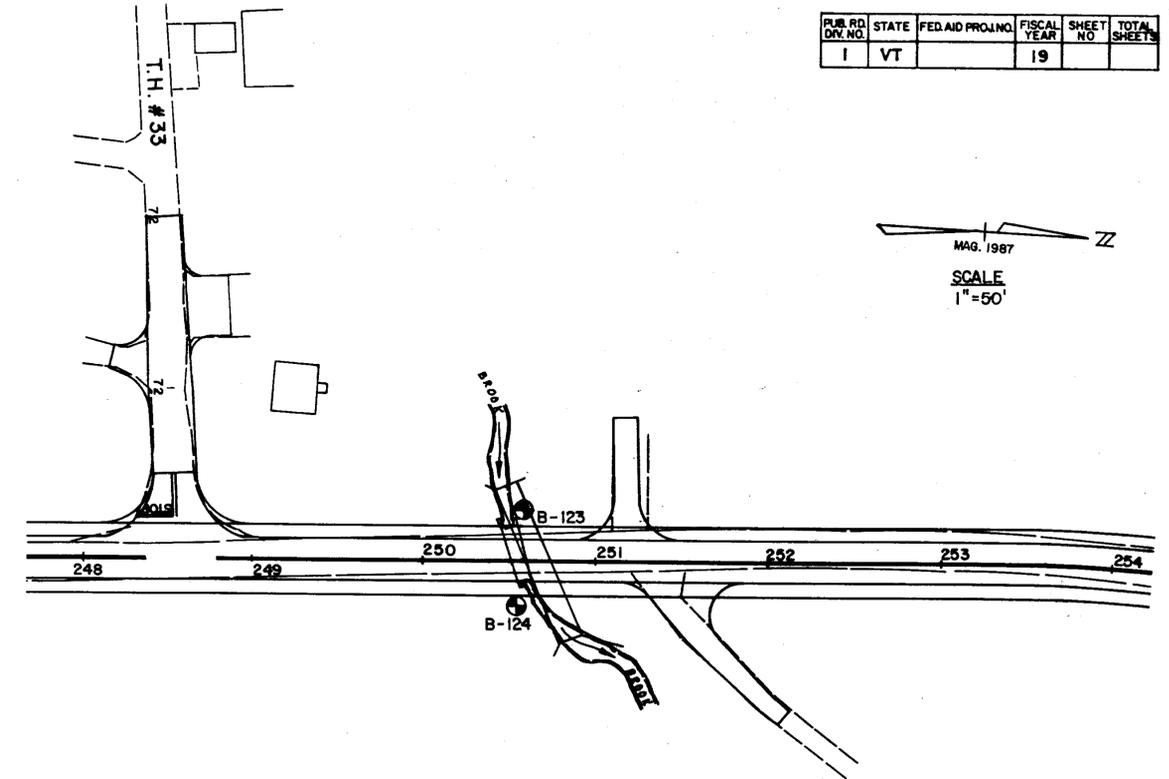
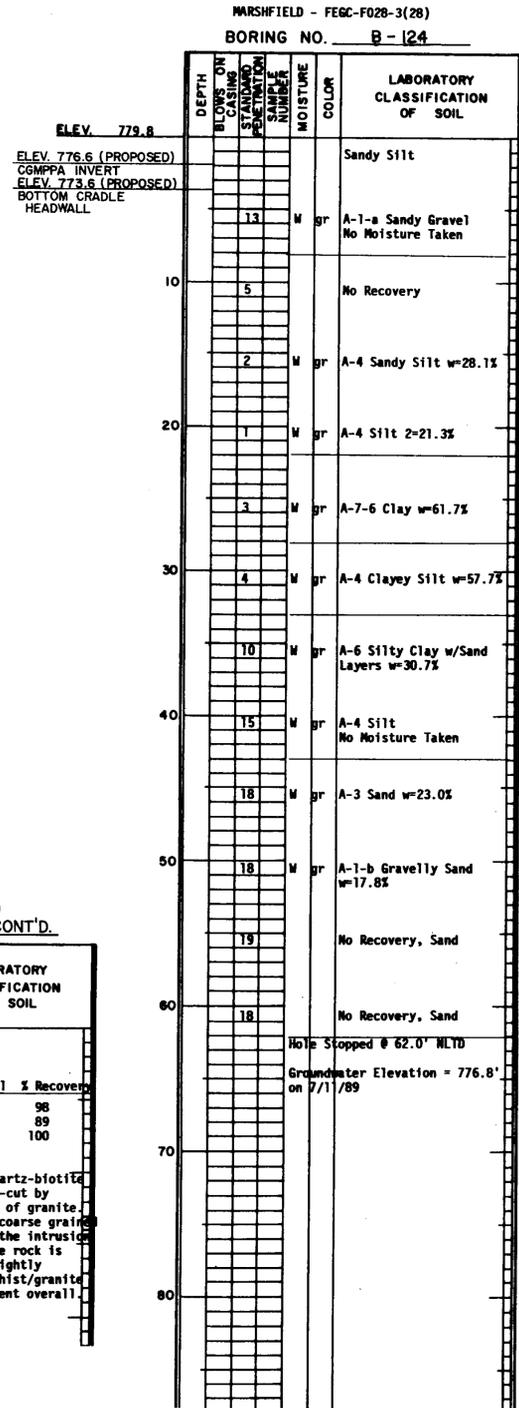
MARSHFIELD - FECC-F028-3(28)
BORING NO. B-123 CONT'D.

| DEPTH | BLOWS ON CASING | STANDARD PENETRATION SAMPLE NUMBER | MOISTURE | COLOR | LABORATORY CLASSIFICATION OF SOIL |
|-------|-----------------|------------------------------------|----------|-------|-----------------------------------|
| 10 | | | | | |
| 20 | | | | | |

GEOLOGIST'S REPORT

| Run # | Core Interval | % Recovery |
|-------|---------------|------------|
| 1 | 88.0-93.0 | 98 |
| 2 | 93.0-95.8 | 89 |
| 3 | 95.8-98.0 | 100 |

Core consists of quartz-biotite garnet schist cross-cut by 1 foot thick layers of granite. The schist is very coarse grained and was altered by the intrusion of the granite. The rock is moderately hard, slightly weathered at the schist/granite contacts and competent overall.



MAG. 1987
SCALE
1"=50'

SYMBOLS USED FOR SOIL SUBSURFACE IDENTIFICATION

| Symbol | Description | Symbol | Description |
|--------|-----------------|--------|---|
| MTW | Moist to Wet | HP | Hard Pan |
| Sat | Saturated | Le | Ledge |
| Blk | Black | NLTD | No Ledge to Depth |
| Brn | Brown | CNPF | Could Not Penetrate Further |
| Lt | Light | TLOB | To Ledge or Boulder |
| Dark | Dark | OC | Organic Content, % |
| ⊙ | Sample Taken | W | Moisture Content, % |
| Bo | Boulder | ⊕ | Standard Penetration Borings Sampler outside diameter-2" Sampler inside diameter-1 3/8" Weight of Hammer-140 lbs. |
| NGW | No Ground Water | ⊕ | Auger Borings |
| TGW | To Ground Water | ⊖ | Rod Soundings |
| GR | Gravel | UP | Undisturbed Piston Sample |
| Sa | Sand | VS | Field Vane Shear Sample |
| Si | Silt | | |
| Cl | Clay | | |

SOIL CLASSIFICATION

| Symbol | Description | Symbol | Description |
|--------|---------------------------------|--------|-----------------------------|
| A1 | Gravel & Sand | GW/GP | Clean Gravels (Few Fines) |
| A3 | Fine Sand | GM/GC | Gravels (Appreciable Fines) |
| A2 | Silty or Clayey Gravel & Sand | SM/SP | Clean Sands (Few Fines) |
| A4 | Silty Soil-Low Compressibility | SM/SC | Sand (Appreciable Fines) |
| A5 | Silty Soil-Highly Compressible | ML/CL | Low Plastic Silts & Clays |
| A6 | Clayey Soil-Low Compressibility | OL | Low Plastic Organic Silt |
| A7 | Clayey Soil-Highly Compressible | MH/CH | High Plastic Silts & Clays |
| A8 | Muck, Peat, Organic | OH | High Plastic Organic Silt |
| | | Pt | Highly Organic Soils |

- GENERAL NOTES**
- THE SUBSURFACE EXPLORATIONS SHOWN HEREON WERE MADE DURING JULY 1989 BY THE VERMONT AGENCY OF TRANSPORTATION.
 - SOIL AND ROCK (WHERE ENCOUNTERED) CLASSIFICATION, PROPERTIES AND DESCRIPTIONS ARE BASED ON ENGINEERING INTERPRETATION OF AVAILABLE SUBSURFACE INFORMATION BY THE VERMONT AGENCY OF TRANSPORTATION AND MAY NOT NECESSARILY REFLECT ACTUAL VARIATIONS IN SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED BETWEEN INDIVIDUAL BORING OR SAMPLE LOCATIONS.
 - OBSERVED WATER LEVELS AND/OR WATER CONDITIONS INDICATED ARE AS RECORDED AT THE TIME OF EXPLORATION AND MAY VARY ACCORDING TO THE PREVAILING RAINFALL, METHODS OF EXPLORATION AND OTHER FACTORS.
 - SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREON. ANALYSIS AND INTERPRETATION OF SUBSURFACE DATA WAS PERFORMED AND INTENDED FOR AGENCY DESIGN AND ESTIMATE PURPOSES ONLY. PRESENTATION OF THE INFORMATION ON THE PLANS AND ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME DATA AVAILABLE TO THE AGENCY. THE SUBSURFACE INFORMATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS, INDEPENDENT ANALYSIS OR JUDGEMENT OF THE CONTRACTOR.
 - PICTORIAL STRUCTURE DETAILS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN IN THE CONTRACT PLANS.

BR-120
BEAVER MEADOW BROOK

VT. SURVEY CONSULTANTS DATE 3/87
DRAWN BY BRYANT ASSOC. DATE 6/87
TRACED BY DATE

U.S. ROUTE 2 - MARSHFIELD

PROJ. NO. FECC F028-3(28)
SHEET 341 OF 352 SHEETS