



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-01
 SHEET 1 of 1
 DATE STARTED: 7/13/09
 DATE COMPLETED: 7/13/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: EB 9+717.26
 OFFSET: 16.45
 VTSPG NAD83: N 44903.86 m E 443070.49 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 215.61 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | A-1-b, SiSaGr, brn, Moist, Rec. = 0.50 m, Broken Rock was within sample. | R | 2.3 | 51.2 | 28.5 | 20.3 |
| 1.0 | | A-1-b, Gr, gry, Moist, Rec. = 0.55 m, Broken Rock was within sample. | 76 | 1.4 | 63.5 | 19.0 | 17.5 |
| 1.5 | | Field Note:, Boulder breaker 1.60m-2.00m. | | | | | |
| 2.0 | | Hole stopped @ 2.00 m | | | | | |
| 2.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table to depth. | | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |
| 7.0 | | | | | | | |
| 7.5 | | | | | | | |
| 8.0 | | | | | | | |
| 8.5 | | | | | | | |
| 9.0 | | | | | | | |
| 9.5 | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).RPJ VT AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-02
 SHEET 1 of 1
 DATE STARTED: 7/13/09
 DATE COMPLETED: 7/13/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: F 1+000.00
 OFFSET: 14.23
 VTSPG NAD83: N 44922.48 m E 443073.64 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 215.47 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | A-1-b, SiSaGr, brn, Moist, Rec. = 0.54 m, Broken Rock was within sample. | 62 | 4.2 | 52.0 | 27.8 | 20.2 |
| 0.5 - 1.0 | | Field Note: No Recovery | R | | | | |
| 1.0 | | Hole stopped @ 1.00 m | | | | | |
| 1.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table to depth. | | | | | |
| 2.0 | | | | | | | |
| 2.5 | | | | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |
| 7.0 | | | | | | | |
| 7.5 | | | | | | | |
| 8.0 | | | | | | | |
| 8.5 | | | | | | | |
| 9.0 | | | | | | | |
| 9.5 | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-03
 SHEET 1 of 1
 DATE STARTED: 7/15/09
 DATE COMPLETED: 7/15/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: F 1+883.97
 OFFSET: 6.50
 VTSPG NAD83: N 45132.57 m E 442770.87 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 210.16 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|------------|--------|------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.0 - 0.5 | | A-1-b, GrSa, brn, Moist, Rec. = 0.27 m, Broken Rock was within sample. | 6 | 5.4 | 37.4 | 49.6 | 13.0 |
| 0.5 - 1.5 | | A-2-4, GrSiSa, brn, Moist, Rec. = 0.27 m | 12 | 10.6 | 22.8 | 48.4 | 28.8 |
| 1.5 - 2.5 | | A-2-4, SiSa, brn, Moist, Rec. = 0.45 m | 15 | 11.2 | 16.2 | 49.6 | 34.2 |
| 2.5 - 3.0 | | Field Note: No Recovery, Trace of silt | R | | | | |
| 3.0 - 3.15 | | Hole stopped @ 3.15 m | | | | | |
| 3.15 - 9.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table to depth. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-04
 SHEET 1 of 1
 DATE STARTED: 7/13/09
 DATE COMPLETED: 7/14/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: WB 10+154.99
 OFFSET: 9.52
 VTSPG NAD83: N 45150.19 m E 442794.92 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 212.64 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|--------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.0 - 0.5 | | A-2-4, GrSiSa, brn, Moist, Rec. = 0.35 m | 2 | 12.0 | 25.6 | 39.4 | 35.0 |
| 0.5 - 1.5 | | A-2-4, SiSa, brn, Moist, Rec. = 1.54 m | 6 | 10.7 | 18.9 | 60.9 | 20.2 |
| 1.5 - 2.5 | | A-4, SaSi, brn, Moist, Rec. = 0.47 m | 14 | 14.2 | 12.6 | 37.6 | 49.8 |
| 2.5 - 3.5 | | A-4, SaSi, brn, Moist, Rec. = 0.50 m | 17 | 15.7 | 1.5 | 27.4 | 71.1 |
| 3.5 - 4.5 | | A-4, SiSa, brn, Moist, Rec. = 0.46 m | 18 | 14.1 | 6.9 | 55.0 | 38.1 |
| 4.5 - 5.5 | | Visual Classification, GrSaSi, brn, Moist, Rec. = 0.12 m, Insufficient sample for testing. | 12 | | | | |
| 5.5 - 6.5 | | Visual Classification, GrSiSa, brn, Moist, Rec. = 0.14 m, Insufficient sample for testing. | 20 | | | | |
| 6.5 - 7.0 | | Hole stopped @ 6.45 m | | | | | |
| 7.0 - 9.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table to depth. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-05
 SHEET 1 of 1
 DATE STARTED: 7/16/09
 DATE COMPLETED: 7/17/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: NB 10+467.04
 OFFSET: -14.58
 VTSPG NAD83: N 45307.20 m E 442532.68 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 201.57 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) | LL (%) | PI (%) |
|-----------|--------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|--------|--------|
| 0.5 | | A-4, GrSi, brn, Moist, Rec. = 0.20 m | 14 | 10.6 | 25.4 | 19.6 | 55.0 | | |
| 1.0 | | A-4, ClSi, brn, Moist, Rec. = 0.40 m | 5 | 30.7 | 0.1 | 3.2 | 96.7 | 37 | 8 |
| 2.0 | | A-1-b, SaGr, gry, Moist, Rec. = 0.25 m, Broken Rock was within sample. | 23 | 2.7 | 53.8 | 28.8 | 17.4 | | |
| 3.0 | | A-1-a, Gr, gry, Moist, Rec. = 0.30 m, Broken Rock was within sample. | 14 | 1.4 | 75.3 | 13.2 | 11.5 | | |
| 4.0 | | A-1-a, Gr, gry, Moist, Rec. = 0.15 m, Broken Rock was within sample. | R | 3.9 | 72.1 | 18.3 | 9.6 | | |
| 4.5 | | Hole stopped @ 4.15 m | | | | | | | |
| 5.0 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. Exposed ledge about 40.0m away from boring. 3. No water table to depth. | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-06
 SHEET 1 of 1
 DATE STARTED: 7/20/09
 DATE COMPLETED: 7/20/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: NB 10+467.05
 OFFSET: 9.00
 VTSPG NAD83: N 45329.82 m E 442539.34 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 204.30 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | A-2-4, GrSiSa, brn, Moist, Rec. = 0.25 m | 20 | 9.1 | 23.3 | 49.3 | 27.4 |
| 1.0 | | A-1-b, SaSiGr, brn, Moist, Rec. = 0.40 m, Broken Rock was within sample. | 35 | 5.1 | 51.7 | 24.0 | 24.3 |
| 1.75 | | Hole stopped @ 1.75 m | | | | | |
| 2.0 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table to depth. | | | | | |
| 2.5 | | | | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |
| 7.0 | | | | | | | |
| 7.5 | | | | | | | |
| 8.0 | | | | | | | |
| 8.5 | | | | | | | |
| 9.0 | | | | | | | |
| 9.5 | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-07
 SHEET 1 of 1
 DATE STARTED: 7/17/09
 DATE COMPLETED: 7/17/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: WB 10+515.01
 OFFSET: -31.78
 VTSPG NAD83: N 45301.14 m E 442484.30 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 202.59 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.0 - 0.5 | | A-4, SaSi, brn, Moist, Rec. = 0.35 m | 10 | 9.4 | 17.9 | 30.5 | 51.6 |
| 0.5 - 1.5 | | | | | | | |
| 1.5 - 2.0 | | A-4, SaSi, brn, Moist, Rec. = 0.45 m | 8 | 12.0 | 13.6 | 31.7 | 54.7 |
| 2.0 - 3.0 | | | | | | | |
| 3.0 - 3.5 | | A-4, GrSaSi, brn, Moist, Rec. = 0.40 m | 14 | 9.4 | 23.7 | 32.1 | 44.2 |
| 3.5 - 4.5 | | | | | | | |
| 4.5 - 5.0 | | A-2-4, SiGrSa, brn, Moist, Rec. = 0.50 m | 54 | 3.4 | 33.1 | 40.2 | 26.7 |
| 5.0 - 5.10 | | Hole stopped @ 5.10 m | | | | | |
| 5.5 - 9.5 | | DRILLER'S NOTES: 1. Exposed ledge about 30.0m away from boring. 2. No water table taken. 3. Duplex drilling 0.00 - 4.5 m. 4. Could not penetrate further with augers. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-08
 SHEET 1 of 1
 DATE STARTED: 8/03/09
 DATE COMPLETED: 8/03/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: P 1+000.00
 OFFSET: -10.00
 VTSPG NAD83: N 45280.54 m E 442505.74 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 202.13 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | A-4, SaSi, brn, Moist, Rec. = 0.25 m | 13 | 10.4 | 13.3 | 28.1 | 58.6 |
| 1.0 | | Hole stopped @ 1.00 m | | | | | |
| 1.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table taken. 3. Moved hole to 8.5m left and got the same results. 4. Exposed ledge about 40.0m away from boring. | | | | | |
| 2.0 | | | | | | | |
| 2.5 | | | | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |
| 7.0 | | | | | | | |
| 7.5 | | | | | | | |
| 8.0 | | | | | | | |
| 8.5 | | | | | | | |
| 9.0 | | | | | | | |
| 9.5 | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-09
 SHEET 1 of 1
 DATE STARTED: 7/23/09
 DATE COMPLETED: 7/23/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: EB 10+969.65
 OFFSET: -7.83
 VTSPG NAD83: N 45263.42 m E 441932.48 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 193.36 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|---------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | Visual Classification, SiSa, Dark brown, Moist, Rec. = 0.35 m | 2 | 13.3 | | | |
| 1.0 | | A-2-4, Sa, brn, Moist, Rec. = 0.30 m | 4 | 6.8 | 16.4 | 66.4 | 17.2 |
| 2.0 | | A-1-b, GrSa, brn, Moist, Rec. = 0.25 m | 5 | 5.3 | 36.7 | 48.7 | 14.6 |
| 3.0 | | Visual Classification, GrSiSa, brn, Moist, Rec. = 0.25 m | 12 | 9.4 | | | |
| 4.0 | | A-1-b, SaSiGr, brn, Moist, Rec. = 0.30 m | 42 | 12.3 | 54.3 | 22.7 | 23.0 |
| 4.75 | | Hole stopped @ 4.75 m | | | | | |
| 5.0 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table taken. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).RPJ VT AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-10
 SHEET 1 of 1
 DATE STARTED: 7/14/09
 DATE COMPLETED: 7/14/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: EB 10+969.71
 OFFSET: 8.65
 VTSPG NAD83: N 45280.68 m E 441930.77 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 194.06 m
 GROUNDWATER DEPTH: 7.92 m 7/14/09
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

LOG OF BORING BENNINGTON NH019-1(54).GPJ VT_AOT.GDT 8/13/09

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) | LL (%) | PI (%) |
|-----------|--------|--------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|--------|--------|
| 0.5 | | A-1-b, SaGr, brn, Moist, Rec. = 0.22 m, Broken Rock was within sample. | 18 | 7.8 | 44.6 | 43.6 | 11.8 | | |
| 1.0 | | A-2-4, SiSa, brn, Moist, Rec. = 0.45 m | 16 | 9.6 | 9.8 | 61.0 | 29.2 | | |
| 2.0 | | A-1-b, GrSa, brn, Moist, Rec. = 0.24 m | 15 | 7.0 | 39.3 | 42.8 | 17.9 | | |
| 3.0 | | A-1-b, SaGr, brn, Moist, Rec. = 0.15 m | 8 | 9.2 | 44.7 | 40.6 | 14.7 | | |
| 4.0 | | A-1-b, SaGr, brn, Moist, Rec. = 0.22 m, Difficult drilling, 6" minus material. | 15 | 6.1 | 47.7 | 34.4 | 17.9 | | |
| 5.0 | | Field Note: No Recovery, Trace of sand, Difficult drilling. | 11 | | | | | | |
| 6.0 | | Field Note: No Recovery, Trace of sand | 7 | | | | | | |
| 7.0 | | Field Note: No Recovery, Trace of sand | 7 | | | | | | |
| 8.0 | | A-4, ClSi, brn-gry, Wet, Rec. = 0.32 m | 4 | 35.2 | 16.1 | 21.4 | 62.5 | 37 | 8 |
| 8.5 | | Hole stopped @ 8.60 m | | | | | | | |



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-11
 SHEET 1 of 1
 DATE STARTED: 7/22/09
 DATE COMPLETED: 7/22/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: G 1+760.63
 OFFSET: 12.43
 VTSPG NAD83: N 45160.32 m E 442296.79 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 192.02 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | Visual Classification, Si, brn, Moist, Rec. = 0.35 m | 2 | 36.0 | | | |
| 1.5 | | A-4, Si, gry, Wet, Rec. = 0.45 m | 1 | 35.9 | 0.1 | 1.2 | 98.7 |
| 3.0 | | A-2-4, SaSiGr, brn, Wet, Rec. = 0.30 m | 21 | 23.7 | 46.4 | 21.9 | 31.7 |
| 4.0 | | Hole stopped @ 3.90 m | | | | | |
| 4.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table taken. 3. Drill rig moved over 1.5m and obtained the same results. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-13
 SHEET 1 of 1
 DATE STARTED: 7/16/09
 DATE COMPLETED: 7/16/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: G 1+719.59
 OFFSET: 9.76
 VTSPG NAD83: N 45140.81 m E 442326.73 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 193.00 m
 GROUNDWATER DEPTH: 2.00 m 7/16/09
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) | LL (%) | PI (%) |
|-----------|--------|-------------------------------------------|-----------------|----------|------------|----------|-----------|--------|--------|
| 0.5 | | A-4, ClSi, brn, Moist, Rec. = 0.45 m | 2 | 34.5 | 0.1 | 5.7 | 94.2 | 37 | 9 |
| 1.0 | | A-4, Si, brn, Moist, Rec. = 0.46 m | 4 | 33.9 | 0.1 | 4.8 | 95.1 | 33 | 6 |
| 2.0 | | A-4, Si, gry, Wet, Rec. = 0.41 m | 2 | 39.7 | 0.0 | 0.4 | 99.6 | | |
| 3.0 | | A-4, Si, gry, Wet, Rec. = 0.60 m | WH | 37.5 | 0.0 | 1.0 | 99.0 | | |
| 4.0 | | A-4, GrSi, brn, Wet, Rec. = 0.27 m | 10 | 17.4 | 24.1 | 17.6 | 58.3 | | |
| 5.0 | | A-4, Si, brn, Wet, Rec. = 0.29 m | 12 | 21.1 | 11.3 | 12.2 | 76.5 | | |
| 6.0 | | A-4, SiSa, brn, Wet, Rec. = 0.35 m | 6 | 17.2 | 18.2 | 44.4 | 37.4 | | |
| 7.0 | | A-1-b, GrSa, brn, Wet, Rec. = 0.25 m | 4 | 18.1 | 20.0 | 67.9 | 12.1 | | |
| 8.0 | | A-1-b, GrSa, brn, Wet, Rec. = 0.60 m | 43 | 9.3 | 42.0 | 44.8 | 13.2 | | |
| 8.5 | | Hole stopped @ 8.60 m | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).GPJ VT AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-15
 SHEET 1 of 1
 DATE STARTED: 7/16/09
 DATE COMPLETED: 7/16/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: F 1+512.78
 OFFSET: 11.03
 VTSPG NAD83: N 45020.86 m E 442591.77 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 190.30 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | A-4, GrSi, brn, Moist, Rec. = 0.10 m | 12 | 15.8 | 41.9 | 15.6 | 42.5 |
| 1.0 | | Hole stopped @ 0.75 m | | | | | |
| 1.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table to depth. 3. Redrilled hole on 08/03/09. Moved hole to an offset of -8.50m and obtained the same results. | | | | | |
| 2.0 | | | | | | | |
| 2.5 | | | | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |
| 7.0 | | | | | | | |
| 7.5 | | | | | | | |
| 8.0 | | | | | | | |
| 8.5 | | | | | | | |
| 9.0 | | | | | | | |
| 9.5 | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-16
 SHEET 1 of 1
 DATE STARTED: 7/15/09
 DATE COMPLETED: 7/15/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: NB 9+551.61
 OFFSET: -23.69
 VTSPG NAD83: N 44573.47 m E 442833.47 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 205.39 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|------------|--------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.0 - 0.5 | | A-1-b, SaGr, white-brn, Moist, Rec. = 0.24 m, Broken Rock was within sample. | 28 | 6.0 | 55.1 | 28.1 | 16.8 |
| 0.5 - 1.0 | | Visual Classification, Broken & crushed rock (Limestone), white, Moist, Rec. = 0.24 m | 25 | 1.7 | | | |
| 1.0 - 1.5 | | | | | | | |
| 1.5 - 2.0 | | Visual Classification, Broken rock (Limestone), white, Moist, Rec. = 0.26 m | 24 | 1.4 | | | |
| 2.0 - 2.5 | | | | | | | |
| 2.5 - 2.75 | | Hole stopped @ 2.75 m | | | | | |
| 2.75 - 9.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. Exposed ledge about 30.0m away from boring. 3. No water table taken. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-17
 SHEET 1 of 1
 DATE STARTED: 7/15/09
 DATE COMPLETED: 7/15/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: NB 9+551.61
 OFFSET: 16.82
 VTSPG NAD83: N 44557.76 m E 442872.92 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 205.95 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|----------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | A-1-a, SaGr, brn, Moist, Rec. = 0.20 m, Broken Rock was within sample. | 8 | 10.4 | 62.9 | 28.8 | 8.3 |
| 1.0 | | A-1-a, Gr, brn, Moist, Rec. = 0.24 m, Broken Rock was within sample. | 8 | 2.9 | 77.2 | 16.3 | 6.5 |
| 1.5 | | Hole stopped @ 1.75 m | | | | | |
| 2.0 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. Exposed ledge about 1.0m away from boring. 3. No water table taken. | | | | | |
| 2.5 | | | | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |
| 7.0 | | | | | | | |
| 7.5 | | | | | | | |
| 8.0 | | | | | | | |
| 8.5 | | | | | | | |
| 9.0 | | | | | | | |
| 9.5 | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-18
 SHEET 1 of 1
 DATE STARTED: 7/22/09
 DATE COMPLETED: 7/22/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: SB 11+455.85
 OFFSET: -11.37
 VTSPG NAD83: N 45946.96 m E 442124.08 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 225.71 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | Visual Classification, GrSa Large pieces of rock in sample, brn, Moist, Rec. = 0.35 m | 13 | 6.7 | | | |
| 1.0 | | A-1-b, SiSaGr, brn, Moist, Rec. = 0.45 m | 28 | 7.9 | 54.7 | 24.8 | 20.5 |
| 1.80 | | Hole stopped @ 1.80 m | | | | | |
| DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. Exposed ledge about 60.0m away from boring. 3. No water table taken. 4. Hole moved from original location due to steep embankment. | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-19
 SHEET 1 of 1
 DATE STARTED: 7/22/09
 DATE COMPLETED: 7/22/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: SB 11+445.85
 OFFSET: 8.38
 VTSPG NAD83: N 45946.54 m E 442143.83 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 224.73 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|---------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | Visual Classification, SiSa, brn, Moist, Rec. = 0.25 m | 2 | 15.6 | | | |
| 1.0 | | A-1-b, GrSa, brn, Moist, Rec. = 0.25 m | 10 | 8.7 | 31.0 | 52.9 | 16.1 |
| 1.85 | | Hole stopped @ 1.85 m | | | | | |
| 2.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table taken. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-23
 SHEET 1 of 1
 DATE STARTED: 7/15/09
 DATE COMPLETED: 7/15/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: US-7 MM 5.8
 OFFSET: -10.00
 VTSPG NAD83: N 46350.86 m E 442145.26 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 243.56 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|------------|--------|----------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.0 - 0.5 | | A-1-b, SiGrSa, brn, Moist, Rec. = 0.47 m | 14 | 14.1 | 30.5 | 45.4 | 24.1 |
| 0.5 - 1.5 | | A-4, SiSa, brn, Moist, Rec. = 0.41 m | 41 | 13.1 | 19.1 | 41.4 | 39.5 |
| 1.5 - 1.80 | | Hole stopped @ 1.80 m | | | | | |
| 1.80 - 9.5 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table taken. 3. Moved 1.0m north and got the same results. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-24
 SHEET 1 of 1
 DATE STARTED: 7/15/09
 DATE COMPLETED: 7/15/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: US-7 MM 5.8
 OFFSET: 10.00
 VTSPG NAD83: N 46350.91 m E 442125.35 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 242.28 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|------------------------------------------------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|
| 0.5 | | Visual Classification, Broken Rock with Sand, brn, Moist, Rec. = 0.16 m, Insufficient sample for testing. | 47 | | | | |
| 1.0 | | A-4, SaSi, brn, Wet, Rec. = 0.27 m | 2 | 16.3 | 16.1 | 36.3 | 47.6 |
| 2.0 | | A-4, SaGrSi, brn, Wet, Rec. = 0.26 m | 11 | 12.3 | 30.7 | 28.6 | 40.7 |
| 3.0 | | Visual Classification, Broken Rock with little Sand, white-brn, Moist, Rec. = 0.10 m, Insufficient sample for testing. | 71 | | | | |
| 3.7 | | Hole stopped @ 3.70 m | | | | | |
| 4.0 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table taken. | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: PB-28
 SHEET 1 of 1
 DATE STARTED: 7/16/09
 DATE COMPLETED: 7/16/09

PROJECT NAME: BENNINGTON
 SITE NAME: VT 279
 STATION: EB 10+490.00
 OFFSET: 14.60
 VTSPG NAD83: N 45050.25 m E 442336.10 m

PROJECT NUMBER: NH 019-1(54)
 SITE NUMBER: SIGN SUPPORT
 GROUND ELEVATION: 193.00 m
 GROUNDWATER DEPTH: SEE NOTE
 PROJECT PIN NUMBER: 06B176

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: HOLLOW STEM AUGER
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) | LL (%) | PI (%) |
|------------|--------|---------------------------------------------------------------------------------|-----------------|----------|------------|----------|-----------|--------|--------|
| 0.0 - 0.5 | | A-1-b, GrSa, brn, Moist, Rec. = 0.29 m | 10 | 5.6 | 28.3 | 53.5 | 18.2 | | |
| 0.5 - 1.0 | | A-4, Si, gry, Moist, Rec. = 0.23 m | 6 | 31.9 | 0.0 | 2.6 | 97.4 | 35 | 3 |
| 1.0 - 1.5 | | A-4, Si, gry, Wet, Rec. = 0.44 m | 2 | 38.9 | 0.0 | 2.1 | 97.9 | 35 | 6 |
| 1.5 - 2.0 | | A-4, Si, gry, Wet, Rec. = 0.44 m | 2 | 38.9 | 0.0 | 2.1 | 97.9 | 35 | 6 |
| 2.0 - 2.5 | | A-4, Si, gry, Wet, Rec. = 0.44 m | 2 | 38.9 | 0.0 | 2.1 | 97.9 | 35 | 6 |
| 2.5 - 3.0 | | A-4, Si, gry, Wet, Rec. = 0.55 m | 2 | 38.7 | 0.0 | 3.2 | 96.8 | 35 | 6 |
| 3.0 - 3.5 | | A-4, Si, gry, Wet, Rec. = 0.55 m | 2 | 38.7 | 0.0 | 3.2 | 96.8 | 35 | 6 |
| 3.5 - 4.0 | | A-4, Si, gry, Wet, Rec. = 0.55 m | 2 | 38.7 | 0.0 | 3.2 | 96.8 | 35 | 6 |
| 4.0 - 4.5 | | A-4, Si, gry, Wet, Rec. = 0.51 m, Hard drilling. | 2 | 37.8 | 0.0 | 1.3 | 98.7 | 34 | 5 |
| 4.5 - 5.0 | | A-4, Si, gry, Wet, Rec. = 0.51 m, Hard drilling. | 2 | 37.8 | 0.0 | 1.3 | 98.7 | 34 | 5 |
| 5.0 - 5.15 | | A-2-4, SiSaGr, brn, Moist, Rec. = 0.15 m | R | 7.4 | 46.0 | 27.4 | 26.6 | | |
| 5.15 - 5.5 | | Hole stopped @ 5.15 m | | | | | | | |
| 5.5 - 6.0 | | DRILLER'S NOTES: 1. Drilled to ledge or boulder. 2. No water table taken. | | | | | | | |

LOG OF BORING BENNINGTON NH019-1(54).SPJ VT_AOT.GDT 8/13/09

