

**STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION**

HOLE NO.: B-107
SHEET 1 OF 1
DATE STARTED: 10/25/00
DATE COMPLETED: 10/20/00

PROJECT NAME: CORNWALL
SITE NAME: BR 9
STATION: H-269J0
GROUND EL.: 52.45

PROJECT NUMBER: BRS 0172 (6)
SITE NO.: VT 125
OFFSET: 28.1
G.W. DEPTH: 3.32 below surface 11/16/00

BORING RIG: TRUCK
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: RUSSELL
ADDITIONAL CREW:

BORING TYPE: WASHBORE/HOLLOW STEM AUGER
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		Advanced casing to 3.0m							
		A-7-6, Shelby Tube, 3.0m-3.6m, Rec. = 0.60m, Trace of Organics (2.42)	50.2		0.2	99.8	76	47	
		77mm x 155mm 4.0m VS: 56.5 KPa/remold 0 KPa 51mm x 103mm 4.5m VS: 72 KPa/remold 37 KPa							
5		A-7-5, Shelby Tube, 5.0m-5.6m, Rec. = 0.58m	45		0.2	99.8	84	54	
		51mm x 103mm 6.5m VS: 72 KPa/remold 33.5 KPa							
		A-7-5, Shelby Tube, 7.0m-7.6m, Rec. = 0.59m	42.7		0.4	99.6	76	45	
		51mm x 103mm 8.5m VS: 105.5 KPa/remold 35.5 KPa No sample, Boulder							
10	SHELBY TUBE	Shelby Tube, 10.0m-10.5m, Rec. = 0.20m							
		51mm x 103mm 11.5m VS: 151 KPa/remold 43 KPa							
		A-6, SiCl, gry, MTW, Rec. = 0.60m	9	30		3	97	37	18
		A-4, Si, gry, MTW, Rec. = 0.60m	11	24.2		1	99	25	4
		51mm x 103mm 14.3m VS: 33.5 KPa/remold 8.5 KPa							
		Hole stopped @ 14.8m							

DRILLER'S NOTES:

- Installed monitoring well at 14.8m, casing extends 0.88m above the ground elevation.
- Ground water depth at 6.70m below ground surface on 10/20/00.
- Lost last 20' of hollow auger, at 20' below surface.
- 77mm x 155mm vane broke off at 4.6m, pulled casing and offset new hole 1.0m.
- At 6.0m Pulled 112mm casing and switched to hollow stem auger.
- At 12.0m Sample possesses a sandy varved layer at 12.2m, 6mm thick at an angle of 20 degrees.
- Ground water depth at 3.75m below ground surface on 03/15/01.

DATUM

VERTICAL NAVD 88

HORIZONTAL NAD 83(92)

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HOLE NO.: B-108
SHEET 1 OF 1
DATE STARTED: 10/25/00
DATE COMPLETED: 10/25/00

PROJECT NAME: CORNWALL
SITE NAME: BR 9
STATION: H-288.60
GROUND EL.: 47.39

PROJECT NUMBER: BRS 0172 (6)
SITE NO.: VT 125
OFFSET: 25.4
G.W. DEPTH:

BORING RIG: TRUCK
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: RUSSELL
ADDITIONAL CREW:

BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		Visual Classification: A-7-6, Cl, brn-gry, MTW, Rec. = 0.43m	11	35.6					
		A-7-6, Cl, Lt/gry, MTW, Rec. = 0.57m	11	41.3	2.2	2.2	95.6	74	44
		Visual Classification: A-7-6, Cl, Lt/gry, MTW, Rec. = 0.59m	7	49.8					
		A-7-6, Cl, Lt/gry, MTW, Rec. = 0.60m	7	49.8		1	99	80	50
5		Visual Classification: A-7-6, Cl, Lt/gry, MTW, Rec. = 0.60m	6	45.6					
		Hole stopped @ 5.20m							

DRILLER'S NOTES:

- No water encountered.

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HOLE NO.: B-109
SHEET 1 OF 1
DATE STARTED: 10/25/00
DATE COMPLETED: 10/26/00

PROJECT NAME: CORNWALL
SITE NAME: BR 9
STATION: H-294J
GROUND EL.: 46.25

PROJECT NUMBER: BRS 0172 (6)
SITE NO.: VT 125
OFFSET: 11.6
G.W. DEPTH:

BORING RIG: TRUCK
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: RUSSELL
ADDITIONAL CREW:

BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-7-6, Cl, brn-gry, MTW, Rec. = 0.33m	21	29		7.8	99.2	55	28
		Visual Classification: A-7-6, Cl, brn-gry, MTW, Rec. = 0.47m	21	34.8					
		A-7-6, Cl, brn-gry, MTW, Rec. = 0.58m	8	40		0.8	99.2	75	45
		Visual Classification: A-7-6, Cl, brn-gry, MTW, Rec. = 0.60m	8	45.5					
5		A-7-6, Cl, brn-gry, MTW, Rec. = 0.57m	8	48.8		0.8	99.2	75	46
		Hole stopped @ 5.20m							

DRILLER'S NOTES:

- No water encountered.

BORING LOG SHEET 5

PROJECT: CORNWALL	PROJECT NO.: BRS 0172 (6)
DESIGN FILE NAME: z85e042bor logs.dgn	PLOT DATE: 2/5/2010
IPARM FILE NAME:	SURVEY DATE:
SURVEYED BY:	DRAWN BY: J. HODKINSON
SQUAD LEADER: C. C. BENDA	SHEET: 73 OF 144
DATE: 03/01	