



BOT. OF FTG. EL. 214.000

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BOT. OF MSE WALL  
LEVELING PAD EL. 200.45

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CH2 CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)			
SUBSURFACE LOG		HOLE NUMBER B-441			
PROJECT NUMBER: 586J42		October 1996			
LOCATION: Station H+844 Offset: 0m		PAGE 1 OF 1			
CLIENT: VDOT		DRILL FLUID: Water			
CONTRACTOR: New England Boring		DRILLING METHOD: F.J.C.			
DRILLER: M.S.J.	INSPECTOR: C.Kavanaugh	DATE: 10/30/96	TIME: 3:40		
START DATE: 10/20/96	FINISH DATE: 10/30/96	WATER DEPTH: 4.8m	CASING BOTTOM: 4.57m		
SURFACE ELEV.: 205.08m		CHECKED BY: S. Pidgeon			
SAMP. NO.	DEPTH (m)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (m)	REMARKS
1	0.0-0.30	1-2-4-7	SILT and CLAY, trace f.m.c. sand, brown, med. stiff, moist (U-G)	205	
2	0.30-0.50	6-7-8-9	becomes v. stiff (U-G)	204.5	
3	0.50-0.70	10-11-12-13	grades to fine f.m.c. sand (U-G)	204	
4	0.70-0.90	14-15-16-17	SHY CLAY, some f. sand, trace m.c. sand, brown, hard, moist (U-G)	203.5	
5	0.90-1.10	18-19-20-21	CLAY and SILT, trace f. sand, brown, hard, moist (U-G)	203	
6	1.10-1.30	22-23-24-25	grades to trace m.c. sand, brown, v. hard, moist (U-G)	202.5	
7	1.30-1.50	26-27-28-29	CLAY, trace m.c. sand, trace f. gravel, gray, hard, moist (U-G)	202	
8	1.50-1.70	30-31-32-33	Similar soils (U-G)	201.5	
9	1.70-1.90	34-35-36-37	grades with trace c. gravel (piece U-G)	201	
10	1.90-2.10	38-39-40-41	CLAY, trace m.c. sand, trace f. gravel, gray, hard, moist (U-G)	200.5	
11	2.10-2.30	42-43-44-45	Similar soils (U-G)	200	
12	2.30-2.50	46-47-48-49	grades with trace c. gravel (piece U-G)	199.5	
13	2.50-2.70	50-51-52-53	Similar soils (U-G)	199	
14	2.70-2.90	54-55-56-57	grades with trace c. gravel (piece U-G)	198.5	
15	2.90-3.10	58-59-60-61	Similar soils (U-G)	198	
16	3.10-3.30	62-63-64-65	grades with trace c. gravel (piece U-G)	197.5	
17	3.30-3.50	66-67-68-69	Similar soils (U-G)	197	
18	3.50-3.70	70-71-72-73	grades with trace c. gravel (piece U-G)	196.5	
19	3.70-3.90	74-75-76-77	Similar soils (U-G)	196	
20	3.90-4.10	78-79-80-81	grades with trace c. gravel (piece U-G)	195.5	
21	4.10-4.30	82-83-84-85	Similar soils (U-G)	195	
22	4.30-4.50	86-87-88-89	grades with trace c. gravel (piece U-G)	194.5	
23	4.50-4.70	90-91-92-93	Similar soils (U-G)	194	
24	4.70-4.90	94-95-96-97	grades with trace c. gravel (piece U-G)	193.5	
25	4.90-5.10	98-99-100-101	Similar soils (U-G)	193	
26	5.10-5.30	102-103-104-105	grades with trace c. gravel (piece U-G)	192.5	
27	5.30-5.50	106-107-108-109	Similar soils (U-G)	192	
28	5.50-5.70	110-111-112-113	grades with trace c. gravel (piece U-G)	191.5	
29	5.70-5.90	114-115-116-117	Similar soils (U-G)	191	
30	5.90-6.10	118-119-120-121	grades with trace c. gravel (piece U-G)	190.5	
31	6.10-6.30	122-123-124-125	Similar soils (U-G)	190	
32	6.30-6.50	126-127-128-129	grades with trace c. gravel (piece U-G)	189.5	
33	6.50-6.70	130-131-132-133	Similar soils (U-G)	189	
34	6.70-6.90	134-135-136-137	grades with trace c. gravel (piece U-G)	188.5	
35	6.90-7.10	138-139-140-141	Similar soils (U-G)	188	
36	7.10-7.30	142-143-144-145	grades with trace c. gravel (piece U-G)	187.5	
37	7.30-7.50	146-147-148-149	Similar soils (U-G)	187	
38	7.50-7.70	150-151-152-153	grades with trace c. gravel (piece U-G)	186.5	
39	7.70-7.90	154-155-156-157	Similar soils (U-G)	186	
40	7.90-8.10	158-159-160-161	grades with trace c. gravel (piece U-G)	185.5	
41	8.10-8.30	162-163-164-165	Similar soils (U-G)	185	
42	8.30-8.50	166-167-168-169	grades with trace c. gravel (piece U-G)	184.5	
43	8.50-8.70	170-171-172-173	Similar soils (U-G)	184	
44	8.70-8.90	174-175-176-177	grades with trace c. gravel (piece U-G)	183.5	
45	8.90-9.10	178-179-180-181	Similar soils (U-G)	183	
46	9.10-9.30	182-183-184-185	grades with trace c. gravel (piece U-G)	182.5	
47	9.30-9.50	186-187-188-189	Similar soils (U-G)	182	
48	9.50-9.70	190-191-192-193	grades with trace c. gravel (piece U-G)	181.5	
49	9.70-9.90	194-195-196-197	Similar soils (U-G)	181	
50	9.90-10.10	198-199-200-201	grades with trace c. gravel (piece U-G)	180.5	
51	10.10-10.30	202-203-204-205	Similar soils (U-G)	180	

CH2 CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)			
SUBSURFACE LOG		HOLE NUMBER B-443			
PROJECT NUMBER: 586J42		October 1996			
LOCATION: Station H+852 Offset: 5m Lt		PAGE 1 OF 1			
CLIENT: VDOT		DRILL FLUID: Water			
CONTRACTOR: New England Boring		DRILLING METHOD: F.J.C.			
DRILLER: M.S.J.	INSPECTOR: C.Kavanaugh	DATE: 10/24/96	TIME: 7:35		
START DATE: 10/23/96	FINISH DATE: 10/24/96	WATER DEPTH: 1.40m	CASING BOTTOM: 3.05m		
SURFACE ELEV.: 204.50m		CHECKED BY: S. Pidgeon			
SAMP. NO.	DEPTH (m)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (m)	REMARKS
1	0.0-0.30	1-2-4-4	CLAY AND SILT, TRACE F. SAND, TRACE F. GRAVEL, TRACE ROOTS, BROWN, MED. STIFF, (A-B)	204.5	
2	0.30-0.50	5-6-7-9	becomes STIFF (A-G)	204	
3	0.50-0.70	8-10-8	CLAY, SILT, TRACE F. M.C. SAND, TRACE F. GRAVEL, BROWN, V. STIFF, (A-B)	203.5	
4	0.70-0.90	11-13-22	becomes HARD (A-G)	203	
5	0.90-1.10	14-15-20-22	GRADES TO TRACE C. GRAVEL, V. HARD	202.5	
6	1.10-1.30	16-17-19-22	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	202	
7	1.30-1.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	201.5	
8	1.50-1.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	201	
9	1.70-1.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	200.5	
10	1.90-2.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	200	
11	2.10-2.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	199.5	
12	2.30-2.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	199	
13	2.50-2.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	198.5	
14	2.70-2.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	198	
15	2.90-3.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	197.5	
16	3.10-3.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	197	
17	3.30-3.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	196.5	
18	3.50-3.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	196	
19	3.70-3.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	195.5	
20	3.90-4.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	195	
21	4.10-4.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	194.5	
22	4.30-4.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	194	
23	4.50-4.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	193.5	
24	4.70-4.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	193	
25	4.90-5.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	192.5	
26	5.10-5.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	192	
27	5.30-5.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	191.5	
28	5.50-5.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	191	
29	5.70-5.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	190.5	
30	5.90-6.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	190	
31	6.10-6.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	189.5	
32	6.30-6.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	189	
33	6.50-6.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	188.5	
34	6.70-6.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	188	
35	6.90-7.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	187.5	
36	7.10-7.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	187	
37	7.30-7.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	186.5	
38	7.50-7.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	186	
39	7.70-7.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	185.5	
40	7.90-8.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	185	
41	8.10-8.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	184.5	
42	8.30-8.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	184	
43	8.50-8.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	183.5	
44	8.70-8.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	183	
45	8.90-9.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	182.5	
46	9.10-9.30	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	182	
47	9.30-9.50	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	181.5	
48	9.50-9.70	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	181	
49	9.70-9.90	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	180.5	
50	9.90-10.10	20-6	GRADES TO TRACE F. GRAVEL, (1) PIECE C. GRAVEL (A-G)	180	

CH2 CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)			
SUBSURFACE LOG		HOLE NUMBER B-445			
PROJECT NUMBER: 586J42		October 1996			
LOCATION: Station H+852 Offset: 5m Rt		PAGE 1 OF 1			
CLIENT: VDOT		DRILL FLUID: WATER			
CONTRACTOR: New England Boring		DRILLING METHOD: F. J. C.			
DRILLER: M.S.J.	INSPECTOR: C.Kavanaugh	DATE: 10/29/96	TIME: 7:05		
START DATE: 10/25/96	FINISH DATE: 10/28/96	WATER DEPTH: 5.88m	CASING BOTTOM: 9.44m		
SURFACE ELEV.: 205.04m		CHECKED BY: S. Pidgeon			
SAMP. NO.	DEPTH (m)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (m)	REMARKS
1	0.0-0.30	1-3-3-4	I. SAND, some Silt and Clay, trace f. gravel, trace m.c. sand, brown, med. moist (U-G)	205	
2	0.30-0.50	2-4-4-4	CLAY, SILT, little f. sand, trace m.c. sand, trace f. gravel, brown, med. stiff, moist (U-G)	204.5	
3	0.50-0.70	5-6-9-6	SILT and CLAY, trace f.m.c. sand, trace f. gravel, brown, v. stiff, moist (U-G)	204	
4	0.70-0.90	10-15	CLAY, SILT, trace m.c. sand, trace f. gravel, brown, v. hard, moist (U-G)	203.5	
5	0.90-1.10	16-15	CLAY, SILT, trace m.c. sand, little f.c. gravel, brown, v. hard, moist (U-G)	203	
6	1.10-1.30	17-11-44-43	Similar soils (U-G)	202.5	
7	1.30-1.50	18-11-36-40	Similar soils (U-G)	202	
8	1.50-1.70	19-11-36-40	Similar soils (U-G)	201.5	
9	1.70-1.90	20-11-36-40	Similar soils (U-G)	201	
10	1.90-2.10	21-11-36-40	Similar soils (U-G)	200.5	
11	2.10-2.30	22-11-36-40	Similar soils (U-G)	200	
12	2.30-2.50	23-11-36-40	Similar soils (U-G)	199.5	
13	2.50-2.70	24-11-36-40	Similar soils (U-G)	199	
14	2.70-2.90	25-11-36-40	Similar soils (U-G)	198.5	
15	2.90-3.10	26-11-36-40	Similar soils (U-G)	198	
16	3.10-3.30	27-11-36-40	Similar soils (U-G)	197.5	
17	3.30-3.50	28-11-36-40	Similar soils (U-G)	197	
18	3.50-3.70	29-11-36-40	Similar soils (U-G)	196.5	
19	3.70-3.90	30-11-36-40	Similar soils (U-G)	196	
20	3.90-4.10	31-11-36-40	Similar soils (U-G)	195.5	
21	4.10-4.30	32-11-36-40	Similar soils (U-G)	195	
22	4.30-4.50	33-11-36-40	Similar soils (U-G)	194.5	
23	4.50-4.70	34-11-36-40	Similar soils (U-G)	194	
24	4.70-4.90	35-11-36-40	Similar soils (U-G)	193.5	
25	4.90-5.10	36-11-36-40	Similar soils (U-G)	193	
26	5.10-5.30	37-11-36-40	Similar soils (U-G)	192.5	
27	5.30-5.50	38-11-36-40	Similar soils (U-G)	192	
28	5.50-5.70	39-11-36-40	Similar soils (U-G)	191.5	
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