

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G1S

SURF. ELEV.

6/22/83

JOB NO. 8340

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO- CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

DATE STARTED 6/13/83

COMPLETED 6/17/83

HOLE NO. G1D

SURF. ELEV.

GROUND WATER

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO-DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" and 3" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					TOPSOIL .6'
5.0'					Light brown, moist, medium-dense, fine to medium SAND and fine to coarse GRAVEL, trace silt
		8-13	1	5'-7'	
		14-15			
		15-13	2	'7-9'	
		13-14			
10.0'					Olive-brown, moist, dense to very dense SILT, some embedded fine to coarse gravel, cobbles, little embedded fine to coarse sand
		21-30	3	11'-13'	
		32-37			
		31-36	4	13'-15'	
15.0'		45-54			
		15-36	5	17'-19'	
		65-79			
20.0'					
25.0'		5-9	6	24'-26'	
		33-45			
30.0'					Light brown, wet, very dense, medium to fine SAND, some fine to coarse gravel, little silt
					TOP OF ROCK @ 34.5'
					Run - 1 34.5' - 37.0' ROD = 0
					Recovery 1.0' - 40%
					Weathered broken ROCK 37.0'
35.0'					NOTE: Set 3" casing to 36.0'
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W. R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WOBURN, MA.

HOLE NO. G1D

DATE STARTED 6/13/83

COMPLETED 6/17/83

SURF. ELEV.

GROUND WATER

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

BORING MADE WITH 4" AND 3" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled with roller bit to 37.0'
45.0'					Run - 2 37' - 43' RQD = 35%
					Recovery 4.9' - 82%
					Broken pink-green-gray GRANODIORITE 43.0'
50.0'					Run - 3 43' - 47'
					Recovery 11.3' - 107%
					Broken pink-green-gray GRANODIORITE 47.0'
55.0'					Run - 4 47' - 51.5' RQD = 24%
					Recovery 3.6' - 80%
					Broken pink-green-gray GRANODIORITE 51.5'
					BOTTOM OF BORING 51.5'
					NOTE: 1. Core size = NX
					2. Coring time in rock 5-6 min./ft; no water loss.
					3. Installed 52.5' of 2" PVC riser pipe in borehole; bottom 10' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G2S

SURF. ELEV.

JOB NO. 8340

GROUND WATER

C.NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

PROJECT W. R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

DATE STARTED 6/14/83

COMPLETED 6/14/83

GROUND WATER

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 32M

SURF. ELEV.

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

BORING MADE WITH 4" CASING

SHEET 1 OF 1

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled without sampling to refusal @ 28'
					28.0'
					BOTTOM OF BORING
					28.0'
					NOTE: Installed 29.4' of 2" PVC riser pipe in borehole; bottom 5' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

HOLE NO. 02D

DATE STARTED 6/10/83 COMPLETED 6/14/83

SURF. ELEV.

GROUND WATER 6/13 - 7a.m. - 7'

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" AND 3" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		3-4	1	0-2'	TOPSOIL .2'
		5-4			
		4-12	2	2'-4'	Brown, dry, loose to dense, fine to coarse SAND, fine to coarse GRAVEL, COBBLES, BOULDERS little silt 4.0'
		13-16			
10.0'		23-23	3	4'-6'	
		25-40			
		16-37	4	6'-8'	Light brown, dry, dense to very dense, coarse to fine SAND and fine to coarse GRAVEL
		35-27			
15.0'		13-14	5	8'-10'	
		10-12			
		8-10	6A	10'-11.5'	Light brown, wet, medium-dense, fine to medium SAND, little fine to medium gravel, trace silt 11.5'
		10-12	6B	11.5'-12'	
20.0'		11-18	7A	12'-13'	
		14-16	7B	13'-14'	
		8-10	8	14'-16'	Light brown, wet, medium-dense, medium to fine SAND and medium to fine GRAVEL 18.5'
		11-10			
25.0'		10-11	9	16'-18'	Light brown, wet, dense to very dense SILT, fine SAND and embedded fine to coarse GRAVEL 21.5'
		7-15			
		14-21	10	18'-20'	
		23-21			
30.0'		21-33	11	20'-22'	Light gray-brown, moist, very dense SILT, some embedded fine to coarse gravel, trace embedded fine to medium sand 24.0'
		31-37			
35.0'		6-5	12	25'-27'	Olive-brown, wet, stiff CLAY, little embedded fine to coarse gravel, cobbles
		6-6			Top of Rock @ 29.0'
40.0'					Drilled with rock bit to 29.5'
					Run - 1 29.5' - 34.5' RQD = 87%
					Recovery 4.6' - 92%
					Gray-green GRANODIORITE with quartz stringers 34.5'
40.0'					Run - 2 34.5' - 39.5' RQD = 100%
					Recovery 5.0' - 100%
					Gray-green GRANODIORITE with quartz stringers 39.5'

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.P. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

HOLE NO. G2D

DATE STARTED 6/10/83

COMPLETED 6/14/83

SURF. ELEV.

GROUND WATER

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

BORING MADE WITH 4" AND 3" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					Run - 3 39.5' - 44.5' RQD = 97% Recovery 4.8' - 96% Gray-green GRANODIORITE with quartz stringers 44.5'
50.0'					Run - 4 44.5' - 49.5' RQD = 100% Recovery 4.3' - 86% Gray-green GRANODIORITE with quartz stringers 49.5'
					BOTTOM OF BORING 49.5'
					NOTE: 1. Core size = NX 2. Coring time in rock 3-4 min/ft; no water loss. 3. Installed 49.9' of 2" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G3S

SURF. ELEV.

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

HOLE NO. G3D

DATE STARTED 6/17/83

COMPLETED

6/21/83

SURF. ELEV.

GROUND WATER 6/21 - 7a.m. - 18.5' CASING @ 39.3'

JOB NO. 8340

HOLE @ 56.4'

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" and 3" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		4-3	1	0-2'	TOPSOIL .5'
		6-7			
		3-3	2A	2'-3'	Brown, dry, loose, fine to coarse SAND, little silt, little fine to medium gravel, trace ashes 4.0'
		4-21	2B	3'-4'	
		22-52	3	4'-5'	
10.0'					
		31-33	4	6'-7.5'	Brown, dry, very dense, fine to coarse GRAVEL, some fine to coarse sand 10.5'
		49			
		51	5	8'-8.5'	
15.0'		25-50	6A	10'-11.3'	Olive-gray, moist, very dense SILT, little fine to coarse sand, little fine to coarse gravel 14.0'
		64/.3			
20.0'		20-21	7A	15'-16'	Yellow-gray, dry, dense, fine to coarse SAND, little fine to medium gravel 19.0'
		19-21	7B	16'-17'	
		9-26	8	17'-19'	
		38-56			
		73-50	9A	19'-19.5'	Light brown, wet, very dense, fine to medium SAND, SILT and fine to coarse GRAVEL 24.0'
25.0'		46			
30.0'		12-10	10	25'-27'	Light brown, wet, medium-dense, coarse to fine SAND and SILT 30.0'
		9-8			
35.0'		25	11	30.5'-31'	Olive-brown, wet, very dense, fine to medium SAND, fine to coarse GRAVEL, COBBLES, BOULDERS, little silt 38.6'
		25/00			
40.0'		71/.3	12	35.4'-35.7'	TOP OF ROCK @ 39.3'
					Drilled with rock bit to

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

HOLE NO. G3D

DATE STARTED 6/17/83

COMPLETED

6/21/83

SURF. ELEV.

GROUND WATER SEE PAGE 1

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					Run - 1 39.3' - 44.3' RQD = 90% Recovery 4.9' - 98% Gray-green GRANODIORITE 44.3'
50.0'					Run - 2 44.3' - 49.3' RQD = 75% Recovery 4.0' - 80% Gray-green GRANODIORITE 49.3'
55.0'					Run - 3 49.3' - 53.2' RQD = 128% Recovery 4.4' - 113% Gray-green GRANODIORITE 53.2'
60.0'					Run - 4 53.2' - 56.4' RQD = 97% Recovery 3.7' - 116% Gray-green GRANODIORITE 56.3'
65.0'					Run - 5 56.4' - 61.4' RQD = 97% Recovery 4.9' - 98% Gray-green GRANODIORITE 61.4'
					BOTTOM OF BORING 61.4'
					NOTE: 1. Core size = NX 2. Coring time in rock - 5 min/ft.; no water loss. 3. Installed 63.6' of 2" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G-3DB

SURF. ELEV.

JOB NO. 8447

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 3

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled without sampling to top of rock
30.0'					
					TOP OF ROCK 32.0'
35.0'					Drilled with roller bit from 32' to 36' Set 3" casing to 36'
					36.0'
40.0'					Run - 1 36' - 37.4' RQD - 0 Recovery 1.1' - 79% Light gray, medium grained GRANODIORITE
					37.4'
45.0'					Drilled with roller bit to 38.0'
					Run - 2 38' - 44' RQD - 75% Recovery 5.9' - 98% Light gray, medium grained GRANODIORITE
50.0'					44.0'
					Run - 3 44' - 53.8' RQD - 82% Recovery 9.7' - 99% Light gray, medium grained GRANODIORITE
55.0'					53.8'
					Run - 4 53.8' - 63.5' RQD - 91% Recovery 9.0' - 93% Light gray, medium grained GRANODIORITE
60.0'					
					63.5'
65.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. G-3DB

DATE STARTED 8/28/84

COMPLETED

SURF. ELEV.

GROUND WATER 9/6 - CASING @ 36'; HOLE @ 100'-19.8'
9/7 - 20.5'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 3

NQ WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
70.0'					Run - 5 63.5'-69.0' RQD - 100% Recovery 5.5'-100% Light gray, medium grained GRANODIORITE with quartz and pink feldspar stringers 69.0'
75.0'					Run - 6 69.0'-74.0' RQD - 100% Recovery 5.7'-114% Light gray, medium grained GRANODIORITE with quartz and pink feldspar stringers 74.0'
80.0'					Run - 7 74.0'-80.2' RQD - 32% Recovery 6.2'-100% Light gray, broken, medium grained GRANODIORITE 80.2'
85.0'					Run - 8 80.2'-88.5' RQD - 25% Recovery 8.3'-100% Light gray, broken, medium grained GRANODIORITE with quartz and pink feldspar stringers 88.5'
90.0'					Run - 9 88.5'-94.0' RQD - 85% Recovery 5.2'-95% Light gray, broken, medium grained GRANODIORITE with quartz and pink feldspar stringers 94.0'
95.0'					Run - 10 94.0'-100.0' RQD - 89% Recovery 5.5'-92% Light gray, broken, medium grained GRANODIORITE with quartz and pink feldspar stringers 100.0'
100.0'					BOTTOM OF BORING 100.0'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G-3DB

SURF. ELEV.

COMPLETED

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 3 OF 3

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G4S

SURF. ELEV.

JOB NO. 8340

C.NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

HOLE NO. G4D

DATE STARTED 6/7/83

COMPLETED

6/9/83

SURF. ELEV.

GROUND WATER

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		3-15	1	0-2'	Brown, dry, medium-dense to very dense, fine to medium SAND, SILT and coarse to fine GRAVEL, COBBLES, BOULDERS
		13-20			
		15-41	2	2'-3.5'	
		200			
10.0'					7.5'
15.0'		23	3	9.5'-11.5'	Light brown, wet, very dense, fine SAND, some embedded fine to coarse gravel, little silt
		30-30			
		50-100	4	11.5'-13.5'	
		110-77			
20.0'		34-90	5	13.5'-15.5'	
		51-60			
		63-81	6	15.5'-17.5'	
		150-100			
25.0'		56			22.0'
		27-35	7	20'-22'	
		103-61			
30.0'					Gray-brown, wet, dense, coarse to fine SAND and fine to medium GRAVEL, trace silt
		21-100/0	8	24'-24.5'	
35.0'					TOP OF ROCK @ 24.5'
40.0'					Run - 1 24.5' - 29.5' RQD = 40%
					Recovery 4.2' - 84%
					Gray-green GRANODIORITE 29.5'
					Run - 2 29.5' - 34.5' RQD = 63%
					Recovery 4.2' - 84%
					Gray-green GRANODIORITE 34.5'
					Run - 3 34.5' - 39.5' RQD = 87%
					Recovery 5.0' - 100%
					Gray-green GRANODIORITE 39.5'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G4D

SURF. ELEV.

JOB NO. 8340

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G5S

SURF. ELEV.

JOB NO. 8340

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST, WOBURN, MA.

HOLE NO. 05D

DATE STARTED 6/9/83

COMPLETED 6/9/83

SURF. ELEV.

GROUND WATER

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		10	1	4.5'-6.5'	Brown, dry, SAND, SILT, GRAVEL, COBBLES and BOULDERS 4.0'
10.0'		10-10		6.5'-8.5'	Olive-brown, wet, medium-dense, fine to medium SAND, some silt, little embedded fine to medium gravel
		9-9	2	8.5'-10.5'	
		8-6			
		4-8	3		
		10-12		10.5'-12.5'	
		8-5	4	12.5'-14.5'	
		4-15			
		67-8	5	14.5'-16.5'	
15.0'		12-17		16.5'-18.5'	
		43-21	6	18.5'-19'	
		27-27		19'-19.5'	
		32-12	7		
		8-12			Top of Rock @ 19.5'
20.0'		12-100	8		
		64-50/0	9		
25.0'					Run - 1 19.5' - 24.5' RQD = 57%
					Recovery 4.8' - 96%
					Green-gray GRANDIORITE 24.5'
30.0'					Run - 2 24.5' - 29.5' RQD = 60%
					Recovery 4.8' - 96%
					Green-gray GRANDIORITE 29.5'
35.0'					Run - 3 29.5' - 34.5' RQD = 67%
					Recovery 5.0' - 100%
					Green-gray GRANDIORITE 34.5'
					Run - 4 34.5' - 39.5' RQD = 80%
					Recovery 4.6' - 92%
					Green-gray GRANDIORITE 39.5'
40.0'					BOTTOM OF BORING 39.5'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G5D

SURF. ELEV.

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C.NO. OF BLOWS TO DRIVE	CASING 12" W/300 LB. WEIGHT FALLING 24"
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

SHEET 2 OF 2

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G7S

SURF. ELEV.

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C.NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

HOLE NO. G7D

DATE STARTED 6/15/83 COMPLETED 6/16/83

SURF. ELEV.

GROUND WATER 6/16 - 7a.m. - 7.0' HOLE @ 39'

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		2-5	1	0-2'	Brown, dry, medium-dense, fine to coarse GRAVEL, COBBLES, some fine to coarse sand, little silt 2.5'
		9-14			
		14-29	2	2'-4'	
		33-41			
		37-49	3	4'-6'	
10.0'		51-57			Light brown, dry, very dense, fine to coarse GRAVEL and fine to coarse SAND Wet @ 8' 10.0'
		50/0			
		29-11	4	8'-10'	
		11-23			
		12-29	5	10'-11.4'	
15.0'		20/.4-50/0			Olive-brown, moist, very dense SILT, some embedded fine to coarse gravel, trace embedded fine to coarse sand (occasional 1/8" - 1/4" layers of fine to medium sand)
		18-24	6	12'-14'	
		21-27			
		18-18	7	14'-16'	
		20-59			
20.0'		75/.3-50/0		16'-16.3'	(Note: No sample recovery 16'-16.3' & 24'-25.5')
		29-42	8	18'-20'	
		29-17			
25.0'		29-42		24'-25.5'	Top of rock @ 28.5' Drilled with rock bit to 29.5' Run - 1 29.5' - 34.5' RQD = 13% Recovery 4.5' - 90% Broken, pink-gray-green GRANODIORITE 34.5' Run - 2 34.5' - 39.0' RQD = 37% Recovery 4.7' - 104% Broken, pink-gray-green GRANODIORITE 39.0'
30.0'		47			
35.0'					
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MA.

DATE STARTED 6/15/83 COMPLETED 6/15/83

GROUND WATER SEE PAGE 1

HOLE NO. G7D

SURF. ELEV.

JOB NO. 8340

N-NO OF BLOWS TO DRIVE 2" SAMPLER 8" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

DEPTH	G.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					Run - 3 39' - 44' RQD = 70%
					Recovery 4.4' - 88%
					Pink-gray-green GRANODIORITE 44.0'
50.0'					Run - 4 44' - 47.8' RQD = 98%
					Recovery 4.7' - 124%
					Broken pink-gray-green GRANODIORITE 47.8'
55.0'					Run - 5 47.8' - 51' RQD = 63%
					Recovery 3.2' - 100%
					Broken pink-gray-green GRANODIORITE 51.0'
					BOTTOM OF BORING 51.0'
					NOTE:
					1. Core size = NX
					2. Coring time in rock 2-3 min/ft; no water loss.
					3. Installed 52.8' of 2" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G30W

SURF. ELEV.

JOB NO. 8340

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G-9S

SURF. ELEV.

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. G-10S

DATE STARTED 9/10/84

COMPLETED 9/11/84

SURF. ELEV.

GROUND WATER 9/11 - 7am - 6.0'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 8" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		2-9	1	0'-2'	Light brown, dry, loose medium to fine SAND .5'
		13-16			
		14-11	2	2'-3.5'	
5.0'		29-50/0			Tan, dry, medium dense to very dense fine SAND, SILT and fine to coarse GRAVEL, COBBLES 4.0'
		32-39	3	4'-6'	
		44-28			
		16-18	4	6'-8'	Light brown, dry, very dense fine to coarse SAND and fine to coarse GRAVEL 6.0'
		12-12			
		11-11	5	8'-10'	
10.0'		12-17			Light brown, moist, medium dense to dense SILT, little embedded fine to medium sand, trace embedded fine to coarse gravel, cobbles
		14-16	6	10'-12'	
		19-21			
		18-24	7	12'-14'	
		32-39			
15.0'		22-28	8	14'-16'	TOP OF ROCK 22.0'
		31-47			
		29-38	9	16'-17.4'	
		75/.4			
		22-28	10	18'-20'	
20.0'		36-47			Drilled with roller bit 25.0'
		28-38	11	20'-22'	
		44-51			
					BOTTOM OF BORING 25.0'
					Note: Installed 26.2' of 2" PVC riser in borehole; bottom 10' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. G-10D

DATE STARTED 9/17/84

COMPLETED 9/19/84

SURF. ELEV.

GROUND WATER 9/24 - 7.1'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" & 3" CASING; NQ WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled without sampling to top of rock @ 22.0'
25.0'					Run - 1 22.2' - 24.5' RQD - 30% Recovery 2.0' - 37%
					Gray, fine grained GRANODIORITE with occasional quartz stringers 24.5'
30.0'					Run - 2 24.5' - 34.3' RQD - 65% Recovery 9.3' - 95%
					Gray, fine grained GRANODIORITE with occasional quartz stringers 34.3'
35.0'					Run - 3 34.3' - 35.0' RQD - 0 Recovery 0 35.0'
					*Run - 4 35' - 36' RQD - 31% Recovery 1.6' - 160%
40.0'					Gray, fine grained GRANODIORITE with occasional quartz stringers 36.0'
					Run - 5 36' - 44.5' RQD - 50% Recovery 8.2' - 96%
45.0'					Gray and pink medium to coarse grained GRANODIORITE with quartz stringer 44.5'
					BOTTOM OF BORING 44.5'
					*1. Core broken while drilling
					2. Coring time in rock averaged 3 to 6 min/ft; no water loss.
					3. Installed 47' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. G-10DB

DATE STARTED 9/11/84

COMPLETED 9/17/84

SURF. ELEV.

GROUND WATER 9/12 - 7am - 7.1' 9/24 - 7.1'
9/14 - 7am - 6.6'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 3

BORING MADE WITH 4" & 3" CASING; NQ WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled without sampling to top of rock @ 23.0'
25.0'					Run - 1 23.7' - 29.5' RQD - 25% Recovery 5.6' - 97% Gray, fine grained GRANODIORITE with occasional quartz stringers 29.5'
30.0'					Run - 2 29.5' - 34.0' RQD - 49% Recovery 4.7' - 104% Gray, fine grained GRANODIORITE with occasional quartz stringers 34.0'
35.0'					Run - 3 34.0' - 42.9' RQD - 38% Recovery 8.7' - 98% Gray, fine grained GRANODIORITE with occasional quartz stringers 42.9'
40.0'					Run - 4 42.9' - 49.5' RQD - 73% Recovery 6.3' - 95% Gray, fine grained GRANODIORITE with occasional quartz stringers 49.5'
45.0'					Run - 5 49.5' - 54.5' RQD - 47% Recovery 5.1' - 102% Gray to pink, fine to coarse grained GRANODIORITE with quartz stringers 54.5'
50.0'					Run - 6 54.5' - 64.4' RQD - 56% Recovery 10.0' - 101% Gray and pink medium grained to coarse grained GRANODIORITE
55.0'					
60.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. G-10DB

DATE STARTED 9/11/84

COMPLETED 9/17/84

SURF. ELEV.

GROUND WATER See pg. 1

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 8" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 3

NQ WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
65.0'					64.4'
70.0'					Run - 7 64.4' - 74.2' RQD - 70% Recovery 9.6' - 98% Gray and pink, medium grained to coarse grained GRANODIORITE with occasional quartz stringers
75.0'					74.2'
80.0'					Run - 8 74.2' - 83.7' RQD - 61% Recovery 9.9' - 104% Gray and pink, medium grained to coarse grained GRANODIORITE with occasional quartz stringers
85.0'					83.7'
90.0'					Run - 9 83.7' - 93.6' RQD - 70% Recovery 9.9' - 100% Gray and pink, medium grained to coarse grained GRANODIORITE with occasional quartz stringers
95.0'					93.6'
100.0'					Run - 10 93.6' - 100' RQD - 91% Recovery 6.4' - 100% Gray and pink, medium grained to coarse grained GRANODIORITE with occasional quartz stringers 100.0'

TEST BORING LOG

CON-TEC., INC. .
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO.G-10DB

DATE STARTED 9/11/84

COMPLETED 9/17/84

SURF. ELEV.

GROUND WATER See pg. 1

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 3 OF 3

NQ WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
100.0'					100.0'
					BOTTOM OF BORING 100.0'
					Note:
					1. Coring time in rock averaged 3 to 6 min/ft.; no water loss.
					2. Installed 72.4' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G-11S

SURF. ELEV.

COMPLETED 9/1/84

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

DATE STARTED 9/4/84

COMPLETED

HOLE NO. G-11D

SURF. ELEV.

GROUND WATER DEPTH ON COMPLETION - 17.0'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" & 3" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
25.0'					Drilled without sampling to refusal @ 24.0'
					TOP OF ROCK 24.0'
30.0'					Drilled with roller bit to 30'.
35.0'					Run - 1 30' - 35' RQD - 60% Recovery 5.0' - 100% Gray and pink, medium to coarse grained GRANODIORITE with occasional quartz stringers 35.0'
40.0'					Run - 2 35' - 40' RQD - 89% Recovery 3.6' - 72% Gray and pink, medium to coarse grained GRANODIORITE with occasional quartz stringers 40.0'
45.0'					Run - 3 40' - 44' RQD - 85% Recovery 4.8' - 120% Gray and pink, medium to coarse grained GRANODIORITE with occasional quartz stringers 44.0'
					BOTTOM OF BORING 44.0'
					Note: 1. Coring time in rock 5 to 9 min/ft.; slight water loss. 2. Installed 45' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. G-12S

SURF. ELEV.

COMPLETED 9/18/84

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. G-12D

DATE STARTED 9/12/84

COMPLETED 9/14/84

SURF. ELEV.

GROUND WATER DEPTH ON COMPLETION - 17.5'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C.NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		3-10	1	0'-2'	TOPSOIL .5'
		16-14			
		15-16	2	2'-4'	Light brown, dry, dense fine to medium SAND, little fine to medium gravel, little silt 4.0'
		7-6			
		2-76	3A	4'-4.5'	
10.0'		38	3B	4.5'-5.5'	Brown, moist, loose SILT, trace fine to medium sand 4.5'
		16-75/.3	4	6'-6.9'	
15.0'		49-100	5	10'-11'	Light brown, dry, very dense fine to medium SAND, trace fine to medium gravel 5.5'
20.0'		42-90	6	15'-17'	Light gray-brown, dry, very dense fine to coarse SAND, trace fine to medium gravel 8.5'
		62-50			
25.0'		32-70	7	20'-22'	Gray, moist, very dense fine to coarse SAND and SILT, trace fine to medium gravel 14.0'
		85-85			
30.0'		100/.5	8	25'-25.5'	Light brown, moist, very dense fine to medium SAND and SILT, little embedded fine to medium gravel 18.0'
35.0'					Light brown, wet, very dense fine to medium SAND, trace fine gravel
					TOP OF ROCK 25.5'
					Drilled with roller bit to 27.5'
					Run - 1 27.5' - 32.5' RQD - 100%
					Recovery 4.0' - 80%
40.0'					Gray, fine grained GRANODIORITE 32.5'
					Run - 2 32.5' - 36.5' RQD - 98%
					Recovery 4.8' - 120%
					Gray, medium grained GRANODIORITE 36.5'
					Run - 3 36.5' - 41.5' RQD - 93%
					Recovery 4.2' - 84%

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. G-12D

DATE STARTED 9/12/84

COMPLETED 9/14/84

SURF. ELEV.

GROUND WATER DEPTH ON COMPLETION - 17.5'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					Gray, medium grained GRANODIORITE
					41.5'
					Run - 4 41.5' - 46' RQD - 68%
					Recovery. 4.7' - 104%
					Gray, medium grained GRANODIORITE
					46.0'
					BOTTOM OF BORING
					46.0'
					Note: 1. Coring time in rock 3 to 6 min/ft.; no water loss.
					2. Installed 49' of 1½" PVC riser pipe in borehole; bottom 10' section is slotted.

CON-TEC., INC. .
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. GO-1S

SURF. ELEV.

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. GO-1D

DATE STARTED 10/1/84

COMPLETED 10/4/84

SURF. ELEV.

GROUND WATER DEPTH ON COMPLETION - 14.5'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" & 3" CASING; NQ WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
20.0'					Drilled without sampling to top of rock 19.0'
25.0'					Run - 1 19.0' - 25.1' Recovery 5.9' - 97% Light gray, medium grained GRANODIORITE 25.1'
30.0'					Run - 2 25.1' - 30.3' Recovery 5.3' - 102% Light gray, medium grained GRANODIORITE 30.3'
35.0'					Run - 3 30.3' - 38.0' Recovery 7.8' - 101% Light gray, medium grained GRANODIORITE 38.0'
40.0'					Run - 4 38.0' - 39.3' Recovery 1.2' - 92% Light gray, medium grained GRANODIORITE 39.3'
					BOTTOM OF BORING 39.3'
					Note: 1. Coring time in rock 3 to 6 min/ft.; no water loss. 2. Installed 42' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. GO-1DB

DATE STARTED 9/25/84

COMPLETED 10/1/84

SURF. ELEV.

GROUND WATER 9/26 - 14.3' CASING @ 19'; HOLE @ 34.5'
9/27 - 14.0' CASING @ 19'; HOLE @ 60.5'
10/1 - 14.1' CASING @ 19'; HOLE @ 60.5'

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" & 3" CASING; NQ WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		3-11	1	0-2'	TOPSOIL .3'
		19-18			
		26-24	2	2'-4'	Light brown, dense to very dense fine to coarse GRAVEL and medium to fine SAND 4.0'
5.0'		30-41			
		26-34	3A	4'-6'	
		39-48	3B		
		46-56	4	6'-7.3'	Light gray-green, moist, very dense SILT and fine SAND, little embedded fine to coarse gravel
		75/.3			
10.0'					
		29-56	5	10'-11.3'	
		75/.3			
					13.0'
15.0'					Light brown, wet, medium dense fine to medium SAND, little embedded fine to coarse gravel, trace silt 17.0'
		12-16	6	15'-17'	
		12-12			
					TILL 19.0'
20.0'					Drilled in rock with roller bit to 19.3'
					Run - 1 19.3' - 26.8' RQD - 32%
					Recovery 7.3' - 97%
25.0'					Light gray, medium grained GRANODIORITE 26.8'
					Run - 2 26.8' - 34.5' RQD - 70%
					Recovery 7.7' - 100%
30.0'					Light gray, medium grained GRANODIORITE 34.5'
					Run - 3 34.5' - 44.4' RQD - 90%
35.0'					Recovery 9.7' - 98%
					Light gray and pink coarse grained GRANODIORITE
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE & CO. - CRYOVAC DIVISION

LOCATION WASHINGTON ST., WOBURN, MASS.

HOLE NO. GO-1DB

DATE STARTED 9/25/84

COMPLETED 10/1/84

SURF. ELEV.

GROUND WATER See pg. 1

JOB NO. 8447

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

NO WIRE LINE CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					44.4'
					Run - 4 44.4' - 49.1' RQD - 100%
					Recovery 4.2' - 89%
50.0'					Light gray and pink coarse grained -
					GRANODIORITE 49.1'
					Run - 5 49.1' - 54.5' RQD - 66%
					Recovery 5.6' - 96%
55.0'					Light gray and pink coarse grained
					GRANODIORITE 54.5'
					Run - 6 54.5' - 60.6' RQD - 62%
					Recovery 5.5' - 90%
60.0'					Light gray and pink coarse grained
					GRANODIORITE 60.6'
					Run - 7 60.6' - 70.6' RQD - 74%
					Recovery 9.9' - 99%
65.0'					Light gray and pink coarse grained
					GRANODIORITE
70.0'					70.6'
					BOTTOM OF BORING 70.6'
75.0'					Note: 1. Coring time in rock 3 to 6 min/ft.; No water loss.
					2. Installed 73' of 1 1/2" PVC riser pipe in borehole; bottom 15' section is slotted

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. Manhole

SURF. ELEV.

JOB NO. 8563

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 138

SURF. ELEV.

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. 13D

DATE STARTED 9/12/85

COMPLETED 9/25/85

SURF. ELEV.

GROUND WATER DEPTH ON COMPLETION - 16.0'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		27-7	1	0-2'	ASPHALT .2'
		11-10			
		8-10	2	2'-4'	Light brown, dry, medium dense, fine to medium SAND, trace fine gravel, trace silt 3.0'
		22-45			
10.0'		50-76	3	4'-5.4'	
		120/.4			
		100-100/.4	4	6'-6.9'	Light brown, dry, very dense coarse to fine SAND, some medium to fine gravel, occasional cobbles, trace silt 6.0'
		100/0		8'	
15.0'		22-31	5	10'-12'	Gray, dry, very dense, fine to medium SAND, some coarse to fine gravel, cobbles, little silt
		50-46			
		30-100/.4	6	12'-12.9'	
		47-52	7	14'-15.4'	
20.0'		100/.4			
		37-68	8	16'-17.4'	
		100/.4			
		87-64	9	18'-19.4'	
25.0'		75/.4			
		16-42	10	20'-21.4'	
		75/.4			
30.0'					
		14-75/.4	11	25'-25.9'	TOP OF ROCK @ 25.8'
					Run - 1 29.0' - 32.6' RQD-69%
					Recovery - 3.5' - 97% 32.6'
35.0'					Run - 2 32.6' - 42.5' RQD-86%
					Recovery 9.2' - 93%
40.0'					

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 13D

SURF. ELEV.

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. 14D

DATE STARTED 10/1/85

COMPLETED 10/3/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		26-11	1	0-2'	ASPHALT .2'
		8-10			
		10-10	2	2'-4'	Light brown, dry, medium dense, fine SAND, trace fine to medium gravel
5.0'		11-15			
		45-98	3	4'-6'	2.0'
		105-99			
		125-132	4	6'-6.8'	Light brown, dry, medium dense to very dense, fine to medium SAND, little to some fine to coarse gravel
10.0'		15-12	5	8'-10'	7.0'
		11-9			
		17-15	6	10'-12'	Light gray-brown, moist, medium to dense SILT and fine SAND, little embedded fine to medium gravel
		13-17			
		14-19	7	12'-14'	14.0'
15.0'		22-21			
		13-25	8	14'-16'	Light gray-brown, moist, very dense, SILT, little embedded fine to coarse gravel, little embedded fine sand
		92-33			
		38-40	9	16'-18'	
		87-120			
20.0'		50/0		18'	
		18-17	10	20'-22'	TOP OF ROCK 22.7'
		13-9			
25.0'					Run - 1 22.7' - 30.7' RQD-60%
					Recovery 7.9' - 99%
30.0'					30.7'
35.0'					Run - 2 30.7' - 39.7' RQD-83%
					Recovery 9.0' - 100%
40.0'					39.7'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 14D

SURF. ELEV.

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					Run - 3 39.7' - 42.7' RQD-57%
					Recovery 2.8' - 93%
					42.7'
					42.7'
					BOTTOM OF BORING
					Note: 1. Coring time in rock averaged 5 to 8 min/ft; no water loss.
					2. Gray, medium-grained GRANODIORITE
					3. Installed 45.4' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 15S

SURF. ELEV.

JOB NO. 8563

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. 15D

DATE STARTED 9/26/85

COMPLETED 10/1/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING: NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		4	1	.5'-1.1'	CONCRETE .5'
		75/.1			
		12-15	2	2'-4'	Brown, dry, loose, SILT and fine SAND 1.1'
		12-27			
10.0'		25-46	3	4'-5.1'	CONCRETE 1.8'
		75/.1			
		54-50	4	6'-8'	Light brown, dry, medium to dense, fine to medium SAND, little fine to coarse gravel, cobbles 4.0'
		43-38			
15.0'		18-12	5	8'-10'	
		8-10			
		18-75	6	10'-12'	Light gray-brown, dry, very dense SILT and fine to medium SAND, little embedded fine to coarse gravel, occasional cobble 8.0'
		110-77			
20.0'		69-97	7	12'-13.5'	
		89			
		28-30	8	14'-16'	Light gray-brown, moist, medium dense to very dense SILT, little embedded fine to coarse gravel, little embedded fine sand
		32-43			
25.0'		38-43	9	16'-18'	
		44-48			
		85-75/.4	10	18'-18.9'	
30.0'		18-23	11	20'-22'	
		26-38			
35.0'					TOP OF ROCK 23.9'
					Run - 1 26.1' - 31.1' RQD-37%
					Recovery 4.7' - 94%
40.0'					31.1'
					Run - 2 31.1' - 40.5' RQD-61%
					Recovery 9.7' - 103%

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 15D

SURF. ELEV.

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 **OF** 2

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-16S

DATE STARTED 10/12/85

COMPLETED 10/22/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		17-18		0'-2'	ASPHALT .3'
		14-14			
		8-8	1	2'-4'	Olive-brown, dry, medium dense, fine SAND, SILT and coarse to fine GRAVEL, trace cobbles 4.0'
		13-25			
10.0'		13-8	2	4'-6'	Light brown, wet, medium dense, fine to medium SAND, trace fine to medium gravel, occasional cobbles, trace silt 12.0'
		8-5			
		4-7	3	6'-8'	
		18-13			
15.0'		10-30	4	8'-10'	Light brown, moist, very dense, fine to medium SAND, little embedded fine to coarse gravel, cobbles, little silt 18.0'
		27-11			
		5-7	5	10'-12'	
		8-10			
20.0'		30-45	6	12'-13.8'	COBBLES @ 18' to 20' Gray, moist, very dense SILT, little embedded fine to coarse gravel, cobbles, trace embedded fine to medium sand 29.6'
		51-75/.3			
		75/0		14'	
		69-73	7	15'-17'	
25.0'		25-41			TOP OF ROCK @ 29.6'
		75/.4	8	17'-17.4'	
		75/0		19'	
		30-43	9	20'-22'	
30.0'		55-27			DRILLED WITH ROLLER BIT TO 32.0'
		27-75/.4	10	25'-25.9'	BOTTOM OF BORING 32.0'
					Note: 1. No sample recovered at at 0-2'. 2. Installed 30' of 2" PVC riser pipe in borehole; bottom 10' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. 16D

DATE STARTED 10/25/85

COMPLETED 10/29/85

SURF. ELEV.

GROUND WATER 10/29- 7A.M. - 7.0' Hole @ 47.8'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
35.0'					Drilled without sampling to rock at 37.5'
					37.5'
40.0'					Run - 1 37.8' - 38.8' RQD-0%
					Recovery 1.0' - 100% 39.0'
45.0'					Run - 2 38.8' - 47.8' RQD-91%
					Recovery 8.9' - 99% 47.8'
50.0'					Run - 3 47.8' - 57.3' RQD-75%
					Recovery 8.1' - 85% 57.3'
55.0'					Run - 4 57.3' - 60.0' RQD-137%
					Recovery 4.1' - 152% 60.0'
60.0'					BOTTOM OF BORING 60.0'
					Note: 1. Coring time in rock averaged 3 to 5 min./ft; no water loss.
					2. Rock type- Gray, medium grained GRANODIORITE
					3. Installed 59.5' of 1½" PVC riser pipe in bore; hole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-17S

SURF. ELEV.

JOB NO. 8563

N.NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. 17D

DATE STARTED 10/11/85

COMPLETED 10/17/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 3

BORING MADE WITH 9" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		11-9	1	0-2'	ASPHALT .2'
		8-12			
		13-27	2	2'-4'	Olive-brown, moist, medium dense SILT, little embedded fine to medium gravel, little embedded fine sand
		33-42			
5.0'		20-40	3	4'-6'	2.0'
		40-47			
		17-20	4	6'-8'	Olive-brown, moist, very dense SILT, little fine sand, little fine sand, little embedded fine to coarse gravel, occasional cobble
		25-23			
		21-42	5	8'-10'	
10.0'		50-63			
		100/.3	6	10'-10.3'	
		17-52	7	12'-14'	BOULDER 20' - 21.1'
		69-69			
15.0'		100/.4	8	14'-14.4'	
		19-24	9	16'-17.4'	
		100/.4	10		
		31-69		18'-20'	COBBLES
20.0'		35-105			
		100/0		20'	Note: Drilled open hole from 9' to 35'; at 35' hole began to cave in: possibly sand and gravel layer from 33' to 38'
25.0'					
		25-32	11	25'-27'	
		21-40			
30.0'					
		28-30	12	30'-31.6'	
		60-50/.1			
35.0'					
		50/0		35'	
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-17D

DATE STARTED 10/11/85 COMPLETED 10/17/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 3

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'		35-20	14	40'-42'	Gray, moist, hard SILT, little clay, trace embedded fine to medium sand, trace embedded fine gravel
		20-23			
50.0'		25-20	15	45'-47'	
		20-23			
55.0'		100/.3		50'-50.3'	No sample recovered at 50.3'
					TOP OF ROCK 50.3'
					Run - 1 52.0' - 58.6' RQD-56%
60.0'					Recovery 5.7' - 86%
					58.6'
					Run - 2 58.6' - 62.7' RQD-37%
.0'					Recovery 3.2' - 78%
					62.7'
					Run - 3 62.7' - 65.9' RQD-59%
					Recovery 2.7' - 84%
					65.9'
					Run - 4 65.9' - 67.5' RQD-37%
					Recovery 1.3' - 81%
					67.5'
					Run - 5 67.5' - 72.0' RQD-47%
					Recovery 4.7' - 104%
					72.0'
					BOTTOM OF BORING 72.0'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO.B-17D

SURF. ELEV.

JOB NO. 8563

N.NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C.NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 3 OF 3

BORING MADE WITH 4" CASING: NX CORE

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 18S

SURF. ELEV.

COMPLETED 10/9/85

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-18D

DATE STARTED 10/1/85

COMPLETED 10/7/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		5	1	.5'-2.5'	ASPHALT .4'
		6-6			
		9-16	2	2.5'-3.1'	Light brown, dry, medium dense to very dense SILT, some embedded fine to coarse gravel, little embedded fine to medium sand
5.0'		50/.1			
		20-27	3	4'-6'	
		34-41			
		62-36	4	6'-8'	
		36-25			
10.0'		18-41	5	8'-10'	Light brown, moist, very dense fine to medium SAND, little silt, little embedded fine to coarse gravel
		41-41			
15.0'		21-27	6	13'-15'	Olive-brown, moist, very dense SILT, little embedded fine to coarse gravel, cobbles, trace embedded fine to medium sand
		40-43			
20.0'		100/.3	7	18'-18.3'	Olive-gray, moist, very dense SILT and fine SAND, little embedded fine to coarse gravel, cobbles
25.0'		128	8	23'-23.5'	
30.0'		106	9	28'-28.5'	
35.0'		100/.1		33'-33.1'	TOP OF ROCK 33.0'
					Run - 1 33.1' - 38.1' RQD-88%
					Recovery 4.7' - 94%
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN

DATE STARTED 10/1/85

COMPLETED 10/7/85

HOLE NO. B-18D

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					Run - 2 38.1' - 43.0' RQD-82% Recovery 4.7' - 96% 43.0'
50.0'					Run - 3 43.0' - 48.0' RQD-52% Recovery 4.9' - 98% 48.0'
55.0'					Run - 4 48.0' - 53.0' RQD-78% Recovery 4.4' - 88% 53.0'
					BOTTOM OF BORING 53.0'
					Note: 1. Coring time in rock averaged 8 to 12 min./ft.; no water loss.
					2. Rock Type- Gray, medium-grained GRANODIORITE
					3. Installed 52' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-19S

SURF. ELEV.

COMPLETED 11/6/85

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-19M

SURF. ELEV.

COMPLETED 11/6/85

JOB NO. 8563

GROUND WATER

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-19D

DATE STARTED 10/30/85

COMPLETED 11/4/85

SURF. ELEV.

GROUND WATER 11/4- 7A.M. - 8.0' Hole @ 75.0'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 3

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		-5	1	.5'-2'	ASPHALT .3'
		6-6			
		5-7	2	2'-4'	
		6-8			
5.0'		8-10	3	4'-6'	Light gray-blue, dry, medium dense SILT, some fine to medium sand, trace embedded fine to medium gravel
		12-12			
		14-14	4	6'-8'	
		19-19			
		19-14	5	8'-10'	Sample wet @ 8.5' 9.0'
10.0'		15-16			
		8-20	6	10'-12'	
		44-49			
		24-28	7	12'-14'	Light brown, wet, very dense, fine to medium SAND, little fine to medium gravel, trace silt 12.0'
		32-39			
15.0'		26-29	8	14'-16'	
		34-37			
		16-24	9	16'-18'	Olive-brown, moist, very dense SILT, little embedded fine to coarse gravel, trace embedded fine to medium sand
		32-41			
		22-37	10	18'-20'	
20.0'		36-48			
		44-75/.4	11	20'-20.9'	
25.0'		52	12	24.5'-25.3'	
		75/.3			
30.0'		21	13	29.5'-31.5'	
		22-42			
		48			
35.0'		88	14	34.5'-36.5'	
		36-41			
		54			
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-19D

DATE STARTED 10/30/85

COMPLETED 11/4/85

SURF. ELEV.

GROUND WATER 11/4- 7A.M. - 8.4'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 3

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
45.0'					NX CORE- 39.2' - 42.2'
					Recovery 1.0'
					COBBLES and GLACIAL TILL 42.2'
		28-51	15	45'-46.2'	Gray, wet, very dense SILT, some embedded fine to coarse gravel, cobbles, trace embedded fine to medium sand 49.0'
50.0'		78/.2			
		41-103	16	50'-51'	Orange-brown, moist, very dense SILT, little embedded fine to medium gravel, little fine sand 54.0'
55.0'					
		100/3	17	55'-55.3'	Brown, very dense, weathered rock 58.5'
60.0'					Hard rock- drilled with roller bit to 60.0'
					Run - 1 60.0' - 62.5' RQD-0%
					Recovery 2.5' - 100% 62.5'
65.0'					Run - 2 62.5' - 63.7' RQD-0%
					Recovery 1.2' - 100% 63.7'
70.0'					Drilled into highly fractured and weathered rock with roller bit
75.0'					75.0'
					BOTTOM OF BORING 75.0'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-19D

SURF. ELEV.

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 3 OF 3

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-20S

SURF. ELEV.

JOB NO. 8563

GROUND WATER

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C.NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-20M

SURF. ELEV.

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-20D

DATE STARTED 10/18/85

COMPLETED 10/23/85

SURF. ELEV.

GROUND WATER Depth after 48 Hours - 5.0'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 3

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		12-10	1	0-2'	ASPHALT .2'
		7-10			
		11-21	2	2'-4'	Light brown, dry, medium dense, fine SAND and SILT, little embedded fine to medium gravel 2.5'
5.0'		25-24			
		29-39	3	4'-6'	
		55-62			
		32-40	4	6'-8'	Light brown, dry, medium dense SILT, little embedded fine to coarse gravel, little embedded fine to medium sand
		50-59			
10.0'		50/0		8'	
		28-36	5	10'-12'	
		32-38			
		50/0		12'	
15.0'		30-90	6	14'-15'	
		100/0			
		100/.4	7	19'-19.4'	
20.0'					
					23.0'
25.0'		44-38	8	24'-25.5'	Gray, moist, very dense SILT, little embedded fine to coarse gravel, trace embedded fine to medium sand, trace clay
		95			
30.0'		100	9	29'-29.5'	
35.0'		100	10	34'-34.5'	Brown-gray, wet, very dense, fine to medium SAND and SILT, little fine to coarse gravel
40.0'		100/.3	11	39'-39.3'	Gray, wet, very dense SILT, little embedded fine to coarse gravel, little embedded fine to medium sand

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-20D

SURF. ELEV.

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE **CASING 12" W/300 LB. WEIGHT FALLING 24"**

SHEET 2 OF 3

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		80-1004	11	40'-40.9'	Gray, wet, very dense SILT, little embedded fine to coarse gravel, little embedded fine to medium sand
45.0'					
		100/.3		45'-45.3'	No sample recovery @ 45'
50.0'					48.0'
		101-1004	13	50'-50.9'	Orange-brown, wet, very dense, fine to medium SAND and SILT, little fine to medium gravel
55.0'					
		125	14	55'-55.5'	
60.0'					
		100/.3		60'-60.3'	No sample recovery
					TOP OF ROCK 63.5'
65.0'					Run - 1 65' - 71.5' RQD - 12%
		100		65'	Recovery 6.5' - 100%
70.0'					71.5'
					Run - 2 71.5' - 75' RQD - 0%
					Recovery 3.5' - 100%
75.0'					75.0'
					Drilled with roller bit to 85'
80.0'					

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-20D

SURF. ELEV.

JOB NO. 8563

C.NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 3 OF 3

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 21S

SURF. ELEV.

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-21D

DATE STARTED 10/7/85 COMPLETED 10/10/85

SURF. ELEV.

GROUND WATER DEPTH AFTER 13 HOURS - 20.5'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		2-7	1	0'-2'	TOPSOIL 1.0'
		20-17			
		12-22	2	2'-4'	Light brown, dry, medium dense to very dense fine to medium SAND, SILT and fine to coarse GRAVEL
		12-7			
10.0'		7-23	3	4'-6'	
		41-55			
		45-50	4	6'-8'	7.0'
		61-87			
15.0'		69-76	5	8'-9.5'	Light brown, dry, very dense, medium to fine SAND and fine to coarse GRAVEL, trace silt 10.0'
		86			
		22-32	6	10'-12'	Light brown, dry, very dense, medium to fine SAND, little fine to coarse gravel, cobbles
		46-55			
20.0'		52-50	7	12'-14'	
		60-49			
		40-51	8	14'-16'	18.0'
		56-83			
25.0'		72-57	9	16'-17.9'	
		45-100/.4			
		21-35	10	14'-20'	Light brown, moist, very dense fine to medium SAND, some silt, little embedded fine to coarse gravel 20.0'
		27-21			
30.0'		35-40	11	20'-22'	
		50-60			
					Light brown, wet, very dense fine SAND 25.0'
35.0'		108	12	25'-25.5'	Light brown-gray, wet, very dense fine to medium SAND, little silt, little embedded fine to coarse gravel
					TOP OF ROCK 28.0'
40.0'					Run - 1 29.0' - 34.0' RQD-68% Recovery 4.2' - 84% 34.0'
					Run - 2 34.0' - 36.5' RQD-28% Recovery 4.2' - 84% 36.5'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-21D

SURF. ELEV.

COMPLETED 10/10/85

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

DATE STARTED 9/4/85

COMPLETED 9/6/85

HOLE NO. 22S

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		1-9	1	0-2'	TOPSOIL .3'
		11-14			
		12-15	2	2'-4'	
		12-14			
5.0'		11-31	3	4'-6'	Light brown-gray, moist, medium dense, fine SAND, trace fine to medium gravel, trace silt 2.0'
		42-91			
		84-89	4	6'-7.2'	Light brown, moist, medium dense, fine to medium SAND, little fine to coarse gravel 4.5'
		100/.2			
10.0'		42-75/.4	5	8'-8.9'	
		73-75/.4		10'-10.9'	Light brown, dry, very dense, medium to fine SAND and coarse to fine GRAVEL, COBBLES 13.0'
		21-63	6	12'-13.4'	
15.0'		100/.4			COBBLES and coarse to fine GRAVEL 15.0'
		26	7	15.5'-17.5'	
		32-37			
		51-34	8	17.5'-19.5'	Light brown, wet, very dense, fine to medium SAND, trace fine to coarse gravel 23.0'
20.0'		32-37			
		46			
		11-22	9	20'-22'	
		27-27			
25.0'					
		16-43	10	25'-27'	Olive-brown, wet, very dense, SILT, little embedded fine to coarse gravel, little embedded fine to medium sand 32.2'
		47-65			
30.0'					
		21-50	11	30'-32'	TOP OF ROCK 33.0'
		80-83			Drilled with roller bit to 33.0'
35.0'					BOTTOM OF BORING 33.0'
					Note: Installed 34.8' of 2" PVC riser pipe in borehole; bottom 15' section is slotted.
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

DATE STARTED 9/9/85

COMPLETED 9/12/85

HOLE NO. B-22D

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled without sampling to bedrock
					TOP OF ROCK 32.5'
30.0'					Run - 1 32.8' - 36.7' RQD-0
					Recovery 3.2' - 82% 36.7'
35.0'					Run - 2 36.7' - 41.3' RQD-26%
					Recovery 4.0' - 87% 41.3'
40.0'					Run - 3 41.3' - 46.1' RQD-0
					Recovery 2.6' - 54% 46.1'
45.0'					Run - 4 46.1' - 52.8' RQD-45%
					Recovery 4.6' - 67% 52.8'
50.0'					BOTTOM OF BORING 52.8'
					Note: 1. Coring time in rock averaged 8 to 10 min/ft; no water loss.
55.0'					2. Rock type- Gray, broken, medium grained GRANODIORITE
					3. Installed 52.7' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

DATE STARTED 10/10/85 COMPLETED 10/15/85

HOLE NO. B-23S

SURF. ELEV.

GROUND WATER Depth After 72 Hours - 20'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
		75/0		.5'	ASPHALT .3'
		56-75/.1	1	2'-2.6'	Dark brown, dry, very dense coarse to fine GRAVEL, COBBLES, and fine to coarse SAND
5.0'		28-45	2	4'-5.6'	
		57-75/.1			
		67-90	3	6'-7.1'	
		75/1			7.5'
		32-75/.4	4	8'-8.9'	Light brown-gray, wet, very dense fine SAND and SILT, little embedded fine to coarse gravel, cobbles
10.0'					
		24-25	5	10'-12'	
		40-43			
		75/0		12'	13.0'
15.0'		56-47	6	14'-16'	Light gray, moist, very dense fine to medium SAND, little embedded fine to coarse gravel, trace silt
		43-59			
20.0'		28-32	7	19'-21'	TOP OF ROCK 24.5'
		33-29			
25.0'		15/.4-50/0		24'-24.4'	Drilled with roller bit to 26.0'
					BOTTOM OF BORING 26.0'
30.0'					Note: 1. No sample recovery from 24' to 24.4'. 2. Installed 26' of 2" PVC riser pipe in borehole; bottom 10' section is slotted.
35.0'					
40.0'					

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET, WOBURN, MA.

HOLE NO. B-23D

DATE STARTED 10/15/85 COMPLETED 10/18/85

SURF. ELEV.

GROUND WATER DEPTH ON COMPLETION - 18.0'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled without sampling to refusal @ 24.0'
25.0'					Run - 1 25.0' - 28.0' RQD = 0 Recovery 1.0' - 33%
					Cored Boulder from 25'-26'
30.0'					TOP OF ROCK 27.0'
					Run - 2 30.0' - 38.0' RQD = 65%
					Recovery 7.5' - 94%
40.0'					38.0'
					Run - 3 38.0' - 47.5' RQD = 81%
					Recovery 9.7' - 102%
50.0'					47.5'
					BOTTOM OF BORING 47.5'
					Note: 1. Coring time in rock averaged 6 to 10 min/ft; lost all water while drilling at 27.5'; never regained.
					2. Rock type-Gray and pink, medium-grained GRANODIORITE.
					3. Installed 47.5' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET, WOBURN, MA.

DATE STARTED 10/1/85

COMPLETED 10/2/85

HOLE NO. B-24S

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		5-8	1	0-2'	Light brown, dry, medium dense, fine SAND, SILT, and fine GRAVEL 2.0'
		12-8			
		41-25	2	2'-4'	
		20-60			
10.0'		52-77	3	4'-5.2'	Light brown, dry, very dense fine to medium SAND, and coarse to fine GRAVEL, COBBLES, little silt 7.0'
		100/2			
		75/0		6'	
		75/0		8'	
15.0'		43-48	4	10'-12'	Light brown, moist, very dense fine to medium SAND, little embedded fine to coarse gravel, little silt 14.0'
		44-34			
20.0'		66-67	5	15'-16.5'	Light brown and gray, moist, very dense fine SAND and SILT, little embedded fine to coarse gravel
		95			
25.0'		23-33	6	20'-22'	
		44-61			
30.0'		65-110	7	25'-26'	26.0'
					Drilled with roller bit to 27.0'
					BOTTOM OF BORING 27.0'
					Note: 1. Hole too crooked to core.
					2. Installed 28.5' of 2" PVC riser pipe in bore-hole; bottom 10' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET, WOBURN, MA.

HOLE NO. B-24D

DATE STARTED 10/2/85 COMPLETED 10/7/85

SURF. ELEV.

GROUND WATER DEPTH AFTER 72 HOURS - 12.5'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
25.0'					Drilled without sampling to top of weathered rock at 23.0'
					TOP OF ROCK @ 23.0'
30.0'					Run - 1 27.5' - 31.5' RQD=0%
					Recovery 2.7' - 68% 31.5'
35.0'					Run - 2 31.5' - 41.5' RQD=75%
					Recovery 10.0' - 100% 41.5'
40.0'					Run - 3 41.5' - 47.5' RQD=37%
					Recovery 5.4' - 90% 47.5'
45.0'					BOTTOM OF BORING 47.5'
50.0'					Note: 1. Coring time in rock averaged 8 to 12 min./ft.; no water loss.
					2. Rock Type- Gray, medium grained GRANODIORITE with occasional quartz stringers.
					3. Installed 49' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET, WOBURN, MA.

HOLE NO. B-25S

DATE STARTED 10/2/85 COMPLETED 10/4/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH HOLLOW STEM AUGER CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		11	1	.5'-2'	ASPHALT .4'
		13-8			
		4-2	2	2'-4'	Brown, dry, medium-dense to loose, fine SAND and SILT, trace fine to medium gravel
		5-7			
10.0'		4-4	3	4'-6'	
		2-2			
		11-13	4	6'-8'	Light gray, moist, medium-dense, fine SAND and SILT, some embedded fine to medium gravel
		5-5			
15.0'		5-11	5	8'-10'	
		17-21			
		20-21	6	10'-12'	Olive-brown, moist, dense to very dense SILT, little embedded fine to coarse gravel, trace embedded fine to medium sand
		21-24			
20.0'		17-38	7	12'-14'	
		42-48			
		20-18	8	14'-16'	
		18-21			
25.0'		28-34	9	16'-18'	Olive-brown, wet, very dense SILT, little embedded fine to coarse gravel, little embedded fine to medium sand
		44-58			
		13-28	10	18'-20'	
		39-51			
30.0'		10-39	11	20'-22'	
		40-55			
35.0'		18-18	12	25'-27'	Brown-gray, moist, hard SILT, trace clay (finely layered)
		20-40			
		75/.4	13	30'-30.4'	Brown-gray, moist, very dense SILT, little embedded fine to medium gravel, trace embedded fine sand
					Refusal @ 31.0'
					BOTTOM OF BORING. 31.0'
					Note: Installed 30.5' of 2" PVC riser pipe in borehole; bottom 10' section is slotted.

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET, WOBURN, MA.

HOLE NO. B-25D

DATE STARTED 10/4/85

COMPLETED 10/11/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					Drilled without sampling to rock at 27.0'
					TOP OF ROCK @ 27.0'
30.0'					Run - 1 27.5' - 34.4' RQD=61%
					Recovery 6.8' - 99% 34.4'
35.0'					Run - 2 34.4' - 44.4' RQD=74%
					Recovery 9.7' - 97% 44.4'
40.0'					Run - 3 44.4' - 48.0' RQD=87%
					Recovery 3.8' - 106%
					48.0'
45.0'					BOTTOM OF BORING 48.0'
					Note: 1. Coring time in rock averaged 3-5 min./ft.; no water loss.
50.0'					2. Rock type- Pink and gray, medium to coarse grained GRANITE PEGMATITE
					3. Installed 47.5' of 1½" PVC riser pipe in borehole; bottom 15' section is slotted.

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-26S

SURF. ELEV.

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

SHEET 1 **OF** 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-26D

DATE STARTED 9/12/85

COMPLETED 9/18/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		2-6	1	0-2'	Light brown, dry, medium dense, medium to fine SAND, some coarse to fine gravel, cobbles
		11-11		2'-	
		75/0			
		34-38	2	4'-5.5'	
10.0'		75		6'-	Green-gray, moist, dense SILT, little embedded fine to medium gravel, trace embedded fine to medium sand
		75/0			
		13-12	3	8'-10'	
		18-23		10'-12'	
15.0'		23-28	4	12'-14'	
		21-18	5	14'-16'	
		23-28		16'-18'	
		7-11	6	18'-20'	
20.0'		16-18		20'-22'	
		15-26	7		
		33-30			
		21-28	8		
25.0'		30-42			TOP OF ROCK 23.0'
		14-16	9		
		15-11			
30.0'					Run - 1 22.3' - 25.3' RQD=0%
					Recovery 2.0' - 100% 25.3'
					Run - 2 25.3' - 30.0' RQD=36%
					Recovery 4.4' - 88% 30.3'
35.0'					Run - 3 30.3' - 36.0' RQD=44%
					Recovery 5.1' - 89% 36.0'
					Run - 4 36.0' - 42.3' RQD=73%
					Recovery 4.6' - 73%
40.0'					

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 26D

SURF. ELEV.

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 27S

SURF. ELEV.

COMPLETED 9/30/85

JOB NO. 8563

GROUND WATER

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-27D

DATE STARTED 9/19/85

COMPLETED 9/21/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING: NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		1-3	1	0'-2'	Light brown, dry, medium dense to very dense, fine to medium SAND, SILT, and coarse to fine GRAVEL, COBBLES
		7-8			
		75/.1		2'-2.1'	
		75/.1		4'	
10.0'		17-21	2	5'-7'	Green-gray, moist, very dense SILT, little embedded fine to coarse gavel, cobbles, trace embedded fine to medium sand
		25-29			
		31-42	3	7'-9'	
		26-28			
15.0'		12-13	4	9'-11'	
		14-49			
		26-31	5	11'-13'	
		30-28			
20.0'		37-36	6	13'-15'	
		42-68			
		40-46	7	16'-18'	
		37-56			
25.0'		40	8	18.5'-20.5'	TOP OR ROCK
		51-23			
		73-100/.2	9	20.5'-20.7'	
30.0'					Run - 1 21.3' - 26.3' RQD=80%
					Recovery 4.7' - 94%
					26.3'
35.0'					Run - 2 26.3' - 29.0' RQD=74%
					Recovery 2.5' - 93%
					29.0'
40.0'					Run - 3 29.0' - 34.5' RQD=73%
					Recovery 4.6' - 84%
					34.5'
					Run - 4 34.5' - 40.5' RQD=100%
					Recovery 6.0' - 100%

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-27D

SURF. ELEV.

COMPLETED 9/21/85

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 **OF** 2

[illegible]

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-28S

SURF. ELEV.

JOB NO. 8563

C.NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

HOLE NO. B-28D

DATE STARTED 9/23/85

COMPLETED 9/25/85

SURF. ELEV.

GROUND WATER

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" CASING; NX CORE

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		6-7	1	0-2'	ASPHALT .2'
		9-7			
		3-2	2	2'-4'	Light brown, dry, medium dense to loose, fine SAND, little silt, trace fine gravel 3.5'
		2-15			
10.0'		17-23	3	4'-6'	Light brown, dry, dense to very dense, fine to medium SAND, some fine to coarse gravel, cobbles, trace silt 12.0'
		28-24			
		33-40	4	6'-8'	
		27-57			
15.0'		55-66	5	8'-10'	Brown-gray, moist, very dense, SILT and fine to medium SAND, little embedded fine to coarse gravel, cobbles 25.0'
		34-37			
		21-19	6	10'-11.8'	
		44-88/.3			
20.0'		36-78/.3	7	12'-12.8'	TOP OF ROCK @ 25.0'
		15-23	8	14'-16'	
		21-21			
		18-23	9	16'-18'	
25.0'		61-16			Run - 1 25.0' - 29.5' RQD-57% Recovery 3.6' - 80% 29.5'
		13-23	10	18'-20'	
		33-25			
		19-21	11	20'-22'	
30.0'		30-28			Run - 2 29.5' - 30.5' RQD-75% Recovery 1.5' - 150% 30.5'
35.0'					Run - 3 30.5' - 35.5' RQD-37% Recovery 5.0' - 100% 35.5'
40.0'					Run - 4 35.5' - 39.5' RQD-18% Recovery 3.5' - 87% 39.5'
					Run - 5 39.5' - 41.7' RQD-76% Recovery 2.3' - 105% 41.7'

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. B-28D

SURF. ELEV.

COMPLETED 9/25/85

JOB NO. 8563

GROUND WATER

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 OF 2

NX CORE

[illegible]

W. R. GRACE CO. - CRYOVAC DIVISION
WASHINGTON STREET, WOBURN, MA.

WELL CONSTRUCTION DETAILS

WELL#	PVC SCREEN	FILTER SAND	GROUT SEAL	PVC STICKUP
13S	17'-27'	14'-27.5'	0-14'	2.5'
13D	37'-52'	29'-52.2'	0-29'	3.5'
14S	11.8'-21.8'	9'-22'	0-9'	3.3'
14D	27.7'-42.7'	24'-42.7'	0-24'	2.7'
15S	13.8'-23.8'	10'-24.5'	0-10'	-.3'
15D	31.5'-46.5'	26'-46.5'	0-26'	-.3'
16S	20.1'-30.1'	15'-30.5'	0-15'	-.3'
16D	44.3'-59.3'	40'-60'	0-40'	-.3'
17S	37.2'-47.2'	30'-49.4'	0-30'	-.3'
17D	57'-72'	50'-72'	0-50'	-.3'
18S	21.8'-31.8'	18'-33.2'	0-18'	-.3'
18D	37'-52'	35'-53'	0-35'	-.3'
19S	10'-20'	6'-21'	0-6'	-.3'
19M	34.5'-44.5'	30'-52'	0-30'	-.3'
19D	58.8'-73.8'	56'-75'	0-56'	-.3'
20S	25'-35'	20'-35'	0-20'	-.3'
20M	48.4'-58.4'	44'-63.5'	0-44'	-.3'
20D	70'-85'	64'-85'	0-64'	-.3'
21S	18.9'-28.9'	15'-29'	0-15'	1.5'
21D	33'-48'	30'-49.5'	0-30'	2.0'
22S	17.4'-32.4'	14'-33'	0-14'	2.4'
22D	36.9'-51.9'	34.5'-52.0'	0-34.5'	.8'
23S	16'-26'	12'-26'	0-12'	-.3'
23D	32.5'-47.5'	29'-47.5'	0-29'	-.3'
24S	16'-26'	11'-26'	0-11'	2.5'
24D	32'-47'	28'-47.5'	0-28'	2.0'
25S	20.1'-30.1'	15'-30.4'	0-15'	-.3'
25D	32.5'-47.5'	28'-48'	0-28'	-.3'
26S	11'-21'	6'-22.6'	0-6'	2.9'
26D	25'-40'	23'-42.3'	0-23'	.5'
27S	11.2'-21.2'	8.5'-22'	0-8.5'	1.8'
27D	25.5'-40.5'	23'-40.5'	0-23'	2.5'
28S	14.6'-24.6'	12'-25.4'	0-12'	3.4'
28D	29.5'-44.5'	27'-44.5'	0-27'	.9'

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

HOLE NO. 29S

SURF. ELEV.

JOB NO. 8563

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

BORING MADE WITH 4" CASING

[illegible]

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

DATE STARTED 1/23/86 COMPLETED 1/23/86

GROUND WATER DRY ON COMPLETION

HOLE NO. 30S

SURF. ELEV.

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 5" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH HOLLOW STEM AUGER CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
					TOPSOIL .3'
5.0'		17-75/.4	1	2'-2.9'	Olive-brown, dry, very dense SILT and coarse to fine GRAVEL, COBBLES, trace embedded fine to medium sand 3.0'
					GAS LINE 3.4'
10.0'					BOTTOM OF BORING 3.4'
					Note: Made three attempts to drill B-30S
					#1 - Refusal @ 4.2'
					#2 - Refusal @ 4.0'
					#3 - Abandoned hole due to gas line in area

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT

W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION

WASHINGTON STREET - WOBURN, MA

HOLE NO. 32S

DATE STARTED 1/21/86

COMPLETED 1/21/86

SURF. ELEV.

GROUND WATER DEPTH ON COMPLETION - 6.5'

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH 4" CASING

TEST BORING LOG

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

PROJECT W.R. GRACE CO. - CRYOVAC DIVISION

LOCATION WASHINGTON STREET - WOBURN, MA

DATE STARTED 1/13/86 COMPLETED 1/17/86

GROUND WATER DEPTH ON COMPLETION - 6.2'

HOLE NO. 31D

SURF. ELEV.

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 2

BORING MADE WITH 4" + 3" CASING

DEPTH	C.	N.	SPL. NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0'		6-6	1	0-2'	TOPSOIL .3'
		12-24		2'-2.2'	Light brown, moist, dense to very dense, fine SAND and SILT, little embedded fine to coarse gravel, occasional cobbles
		75/.2			
		16-17	2	4'-6'	
10.0'		24-28			Light brown, wet, very dense, fine to medium SAND, little embedded fine to coarse gravel, trace silt 8.0'
		75/.3		6'-6.3'	
		32-34	3	7'-8'	
		24-27	4	8'-10'	
15.0'		34-44			Olive-gray, moist, very dense SILT, some fine sand, little embedded fine to coarse gravel
		32-51	5	10'-11.3'	
		75/.3			
		21-42	6	12'-14'	
20.0'		44-57			COBBLES- 16'-18'
		29-39	7	14'-15.8'	
		46-75/.3			
		50/0		16'-	
25.0'		30-31	8	18'-19.6'	BOULDER - 23.7'-25.7' 23.7'
		52-75/.1			
		96	9	20'-20.5'	
30.0'					Run - 1 24.2' - 27.8'
					Recovery 1.8' - 50%
					BOULDERS
					TOP OF ROCK @ 27.8'
35.0'					Run - 2 27.8' - 33.0' RQD-92%
					Recovery 5.2' - 100% 33.0'
					Run - 3 33.0' - 43.0' RQD-99%
					Recovery 9.9' - 99%

CON-TEC., INC.
P.O. BOX 1153
CONCORD, N.H. 03301
603-224-0020

HOLE NO. 31D

SURF. ELEV.

JOB NO. 8563

N-NO OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C-NO. OF BLOWS TO DRIVE

CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 2 **OF** 2

NX Core

[illegible]