

Appendix C

Remedial Investigation Soil Boring and Monitoring Well Construction Logs



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH1-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 13, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629791 EASTING: 600863.11 GROUND SURFACE	79.92						
2	FLOOR SM-SILTY SAND, coarse grained, tan.	79.42		0-2' -001 1GP		2.0		0.0
4	SUBFLOOR/PIECE OF CONCRETE SP-SAND, medium coarse grained.	76.42 75.92						
6	SM-SANDY SILT, gray/black.	74.92		2GP		4.0		0.0
14	SP-SAND, coarse grained, gray, some gravel, silt. - wet at 14.5ft BGS	65.92 64.92		3GP 12-14' -002		4.0		
16	END OF BOREHOLE @ 15.0ft BGS							
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH2-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 13, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629789 EASTING: 600880.76	GROUND SURFACE 79.79						
2	CONCRETE FLOOR	79.29		0-2' -003 1GP		2.5		0.0
4	SP-SAND, medium to coarse grained, trace silt, tan/orange.							
6	SP-SAND, medium to coarse grained, trace silt, orange.	74.79		2GP		1.5		0.0
8								
10	SP-SAND, medium to coarse grained, orange, with clayey silt, black, bottom of core had coarse white sand with rounded gravel, wet at bottom.	69.79						
12	SP-SAND, medium to coarse grained, orange.	68.29		3GP		2.0		0.0
14	CL-CLAY, with silt, black.	65.29		13-15' -004				
16	- coarse sand gravel, white at 15.0ft BGS END OF BOREHOLE @ 15.0ft BGS	64.79						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH3-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 15, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629441.42 EASTING: 600786.37 GROUND SURFACE	83.08						
2	CL-SILTY CLAY, coarse grained sand, orange.			0-2' -011 1GP		3.5		0.0
4		78.58 78.08						
6	ML-SANDY SILT, gray, trace coarse sand.							
8	ML-SANDY SILT, gray.			2GP 7-9' -012		5.0		0.0
10	SP-SAND, coarse grained, saturated.	74.08						
12	SP-SAND, coarse grained.	73.08						
14				3GP		5.0		0.0
16	CL-SILTY CLAY, with sand, tan/orange.	69.08 68.08						
18	END OF BOREHOLE @ 15.0ft BGS							
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH4-11/MW23-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 15, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629476.89 EASTING: 600815.23	GROUND SURFACE TOP OF RISER 78.21 77.94						
2	SP-SAND, coarse grained, orange.		1" Ø PVC RISER CEMENT/ BENTONITE GROUT 4" Ø BOREHOLE SAND PACK WELL SCREEN	1GP		4.0		1.5
4	ML-CLAYEY SILT, gray/black.	76.21						
6	CL-SILTY CLAY, with fine sand, gray/brown.	73.21		2GP 7.9' -014		4.0		1.8
8								
10	SP-SAND, coarse grained, gray, tan, wet.	69.21						
12	SP-SAND, coarse grained, gray, saturated.	68.21						
14	CL-SILTY CLAY, brown, saturated.	65.21		3GP		5.0		0.4
16	CL-SILTY CLAY, to coarse sand, orange, saturated.	64.21						
18	END OF BOREHOLE @ 15.0ft BGS	63.21						
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS

Screened interval:

73.21 to 63.21ft

5.00 to 15.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

78.21 to 75.21ft

0.00 to 3.00ft BGS

Material:

Grout-Cement/Bentonite

Sand Pack:

75.21 to 63.21ft

3.00 to 15.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH5-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 15, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629477.07 EASTING: 600824.02	GROUND SURFACE 78.37						
2	SP-SAND, with silt, brown/gray.			0-2' -015 1GP		4.0		0.0
4	ML-CLAYEY SILT, with sand, gray brown.	74.37						
6	SC-CLAYEY SILTY SAND, gray.	73.37						
8				2GP 7-9' -016		5.0		0.0
10	SP-SAND, coarse grained, gray, wet.	69.87						
10	END OF BOREHOLE @ 10.0ft BGS	68.37						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH6-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 10, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629804.3 EASTING: 600527.27 GROUND SURFACE	79.61						
	CONCRETE	79.28						
	GRAVEL BASE	78.95		0-2' -149				
2	SM/GM-SILTY SAND AND GRAVEL, coarse grained sand, coarse grained gravel, brown			1GP		2.0		0.1
4								
6	ML-SANDY SILT	74.61						
8	ML-SANDY SILT, with clay	71.61		2GP		5.0		0.0
10	SM/GM-SILTY SAND AND GRAVEL, coarse grained sand, coarse grained gravel, brown/orange	69.61						
12				3GP				
14				13-15' -150				
16	- wet at 15.0ft BGS END OF BOREHOLE @ 15.0ft BGS	64.61						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH7-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 10, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629811.28 EASTING: 600551.33	GROUND SURFACE 79.35						
2	CONCRETE/GRAVEL	78.85		1GP	0-2' -151/ 152	3.0		0.0
4	SM/GM-SILTY SAND AND GRAVEL, coarse grained sand, coarse grained gravel			2GP	8-10' -153	2.0		0.0
6				3GP		0.7		0.0
8								
10	SP-SAND, coarse grained, wet	69.35						
12								
14								
16	END OF BOREHOLE @ 15.0ft BGS	64.35						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH8-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 10, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629787.03 EASTING: 600580.93 GROUND SURFACE	78.88						
2	SM/GM-SILTY SAND AND GRAVEL, some clay, coarse grained sand, coarse grained gravel			0-2' -154 1GP		4.0		0.0
4								
6	SM-SILTY SAND, with clay, coarse grained, orange	73.88		2GP		5.0		0.0
8								
10	SM-SILTY SAND, with clay, coarse grained, wet	68.88						
12								
14	- wet at 14.0ft BGS			3GP 12-14' -155				
16	END OF BOREHOLE @ 15.0ft BGS	63.88						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH10-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 15, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629726.51 EASTING: 600324.14 GROUND SURFACE	66.88						
2	CONCRETE FLOOR			1GP		1.0		
4	MIX OF SILTY CLAY AND SAND, gray/brown, quartz fragments.	62.88		4-5' -017				
6	SP-SAND, coarse grained, with silt, saturated.	61.88						
8				2GP				
10	END OF BOREHOLE @ 10.0ft BGS	56.88						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH11-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 15, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629681.82 EASTING: 600431.22 GROUND SURFACE	66.91						
2	CONCRETE FLOOR			1GP		1.5		0.0
4		62.41		4-5 -018				
6	FILL MATERIAL, gravel, coarse sand, some silty clay. - moist at 5.0ft BGS	61.91						
8	SP-SAND, coarse grained, saturated, orange.			2GP		4.0		0.0
10	END OF BOREHOLE @ 10.0ft BGS	56.91						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND
CHEMICAL ANALYSIS

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH12-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 14, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 628890.54 EASTING: 601543.31	GROUND SURFACE 81.30						
2	ML-CLAYEY SILT, tan/gray, trace sand.			0-2' -009 1GP		5.0		0.0
4								
6	ML-SANDY SILT, trace clay, orange/tan/gray.	76.30		2GP		5.0		
8								
10	CL-SILTY CLAY, coarse sand, tan/orange.	71.30		3GP		5.0		
12								
14	- moist, soft clay lens at 13.0ft BGS							
16	CL-SILTY CLAY, coarse sand, tan/orange.	66.30		16-18' -010 4GP				
18								
20	- wet at 18.0ft BGS							
22	END OF BOREHOLE @ 20.0ft BGS	61.30						
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH13-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 14, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630447.09 EASTING: 602278.16 GROUND SURFACE	73.73						
	GRAVEL BAND	73.56						
2	ML-SILT, with fine sand, gray/orange.	71.73		1GP		2.0		0
4	SM-SILTY SAND, coarse grained.							
6	ML-SILT, trace sand, gray.	68.73		2GP		1.0		0
8								
10	- moist at 10.0ft BGS	63.73		8-10' -058				
12	SP-SAND, with silt and gravel, coarse grained, saturated			3GP		3.0		0
14								
16	END OF BOREHOLE @ 15.0ft BGS	58.73						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH14-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 27, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630486.25 EASTING: 602291.75 GROUND SURFACE	72.15						
2	BLACKTOP/GRAVEL	71.65		0-2' -060 1GP		3.0		0.0
4	SP-SAND, medium to coarse grained, brown.							
6	SP-SAND, and gravel, coarse grained. - saturated at 5.5ft BGS	67.15	▽	5-5.5' -061 2GP		4.0		0.0
8								
10	END OF BOREHOLE @ 10.0ft BGS	62.15						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH15-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 3, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630599.04 EASTING: 602698.32 GROUND SURFACE	71.28						
2	BLACKTOP/GRAVEL	70.78		0-2' -118				
4	SP-SAND, coarse grained, perched water zone			1GP		4.0		0.0
6	SM-SILTY SAND, with clay, gray	65.28		6-8' -119				
8	SP/GP-SAND AND GRAVEL, coarse grained, saturated	63.28	▽	2GP		5.0		0.0
10	END OF BOREHOLE @ 10.0ft BGS	61.28						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH16-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 29, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630641.18 EASTING: 602948.12 GROUND SURFACE	72.31						
	BLACKTOP/GRAVEL	71.81						
2	SP-SAND, coarse grained, with silt, gray.			0-2' -112				
		69.31		1GP		4.0		0.0
4	ML-SANDY SILT, orange/gray/brown.							
		67.31						
6	SP-SAND, and gravel, very coarse grained, some silt, brown orange.			2GP		5.0		0.0
8								
10	- wet at 10.0ft BGS END OF BOREHOLE @ 10.0ft BGS	62.31		8-10' -113				
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH17-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 3, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630379.76 EASTING: 602560.64 GROUND SURFACE	73.51						
2	BLACKTOP/GRAVEL SM-SILTY SAND, coarse grained, gray/brown	73.01		0-2' -1147 1GP		0.5		0.0
4								
6	ML-SANDY SILT, with clay and coarse sand lenses, gray/brown	68.51		2GP		5.0		0.0
8								
10	CL-SILTY CLAY, gray, moist	63.51						
12	SM-SILTY SAND, dark brown/black	61.51 61.01		11-13' -115 3GP		4.0		0.0
14	SP/GP-SAND AND GRAVEL, coarse grained sand, coarse grained gravel, orange/gray, saturated - wet at 13.0ft BGS							
16	END OF BOREHOLE @ 15.0ft BGS	58.51						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH18-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 3, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630454.72 EASTING: 602730.77 GROUND SURFACE	73.53						
2	ML-SANDY SILT, with coarse sand, gray			1GP		5.0		27.7
4	SM/GM-SILTY SAND AND GRAVEL, coarse grained sand, coarse grained gravel, dark gray/black	69.53 69.03 68.53						
6	ML-SANDY SILT, with clay							
8	SP-SAND, with silt, coarse grained, gray to orange			2GP		4.0		0.0
10	- wet at 9.0ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	63.53						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH19-11/MW27-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 29, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	P/D (ppm)
	NORTHING: 630452.72 EASTING: 602976.23 GROUND SURFACE TOP OF RISER	71.23 70.98						
2	BLACKTOP/GRAVEL	70.73	1" Ø PVC RISER	1GP		3.0		0.0
4	ML-SANDY SILT, with clay, dark brown to gray/orange. - moist at 3.5ft BGS		CEMENT/ BENTONITE GROUT					
6	ML-CLAYEY SILT, dark brown, wet, perched zone. SP-SAND, and gravel, coarse grained.	66.23 65.73	4" Ø BOREHOLE	2GP		4.0		
8				7.9'				
10	- wet at 9.0ft BGS		SAND PACK					
12	END OF BOREHOLE @ 10.0ft BGS	61.23	WELL SCREEN					
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS

Screened interval:

66.23 to 56.23ft

5.00 to 15.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

71.23 to 68.23ft

0.00 to 3.00ft BGS

Material:

Grout-Cement/Bentonite

Sand Pack:

68.23 to 56.23ft

3.00 to 15.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH20-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 3, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630553.97 EASTING: 603192.66 GROUND SURFACE	71.31						
2	BLACKTOP/GRAVEL SM-SILTY SAND, coarse grained, black	70.81		0-2' -122 1GP		4.0		2.9
4	ML-SANDY SILT, gray/orange, moist	67.81						
6	SP/GP-SAND AND GRAVEL, with silt, coarse grained sand, coarse grained gravel,	66.31		2GP		4.0		0.1
8				8-10' -123				
10	SM-SILTY SAND, coarse grained, saturated	61.31						
12	- 2" black band of coarse sand at 12.0ft BGS			3GP		4.0		0.0
14								
16	END OF BOREHOLE @ 15.0ft BGS	56.31						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH21-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630290.47 EASTING: 602458.88 GROUND SURFACE	73.69						
2	BLACKTOP/GRAVEL	73.19		0-2' -083 1GP		4.0		0.0
4	SM-SILTY SAND, fine grained, with clay, gray/brown							
6	ML-SANDY SILT, fine grained, with coarse sand lenses, greenish gray/brown	68.69		2GP				
8								
10								
12								
14	SP-SAND, coarse grained, with silt, wet	59.69		3GP 12-14' -084				
16	END OF BOREHOLE @ 15.0ft BGS	58.69						
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30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH22-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 3, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630297.13 EASTING: 602743.09 GROUND SURFACE	74.14						
2	BLACKTOP/GRAVEL ML-SANDY SILT, gray	73.64		0-2' -116 1GP		4.0		34
4	- black, woody organic odor at 4.0ft BGS							
6	SP/GP-SAND AND GRAVEL, with silt, coarse grained sand, coarse grained gravel	69.14		2GP		5.0		2.2
8								
10	ML-SANDY SILT, gray	64.14		8-10' -117				
12	SP/GP-SAND AND GRAVEL, coarse grained sand, coarse grained gravel, wet	63.14		3GP		4.0		0.0
14								
16	END OF BOREHOLE @ 15.0ft BGS	59.14						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH23-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 27, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630110.84 EASTING: 602428.79 GROUND SURFACE	75.09						
2	BLACKTOP/GRAVEL	74.59		0-2' -081 1GP		2.5		0.0
4	ML-SANDY SILT, with clay, dark brown black.							
6	ML-SANDY SILT, fine grained, with clay, gray/brown.	70.09		2GP		5.0		0.0
8								
10	- coarse sand and gravel at 10.0ft BGS	65.09	▽	8-10' -082				
12	SP-SAND, and gravel, coarse grained, saturated.			3GP		5.0		0.0
14								
16	END OF BOREHOLE @ 15.0ft BGS	60.09						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH24-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 3, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630399.68 EASTING: 603221.93 GROUND SURFACE	69.86						
2	ML-SANDY SILT, with coarse sand, black/gray			0-2' -124				
4	ML-SANDY SILT, with clay, gray/orange	67.36		1GP		5.0		41.4
6	SP/GP-SAND AND GRAVEL, coarse grained sand, coarse grained gravel, orange/brown	63.86		6-8' -125 2GP		4.0		0.0
10	END OF BOREHOLE @ 10.0ft BGS	59.86						
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32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH25-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 28, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629946.91 EASTING: 602483.73 GROUND SURFACE	75.86						
2	BLACKTOP/GRAVEL SM-SILTY SAND, coarse grained.	75.44		0-2' -089 1GP				
4	- perched zone from 4.5 to 5.0ft BGS							
6	ML-SANDY SILT, with clay, orange/gray.	70.86		2GP				
8								
10	- saturated from perched zone from 10.1 to 12.5ft BGS	65.86						
12	ML-SANDY SILT, with clay.			3GP				
14	SM-SILTY SAND, coarse grained, with clay.	61.86		13-14' -090				
16	- wet at 15.0ft BGS END OF BOREHOLE @ 15.0ft BGS	60.86						
18								
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34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND
CHEMICAL ANALYSIS

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH26-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 30, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630029.46 EASTING: 602709.6 GROUND SURFACE	72.61						
2	BLACKTOP/GRAVEL	72.11		0-2' -093 1GP		4.0		0.0
4	ML-SANDY SILT, with clay and coarse sand, gray/orange.							
6	ML-SANDY SILT.	67.61						
8	SP-SAND, and gravel, coarse grained.	65.61		2GP 7-9' -094		5.0		
10	- wet at 9.0ft BGS							
12	END OF BOREHOLE @ 10.0ft BGS	62.61						
14								
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH27-11/MW28-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 29, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630281.9 EASTING: 603001.76	GROUND SURFACE TOP OF RISER 72.36 72.07						
2	BLACKTOP/GRAVEL ML-SANDY SILT, dark brown. - layer with wood fragments, organic odor, wet in bottom 6" at 1.5ft BGS	71.86	1"Ø PVC RISER	1GP		2.0		5.5
4			CEMENT/ BENTONITE GROUT					
6	ML-SILT, and wood, saturated, perched layer.	67.36						
8	ML-SANDY SILT, gray/orange, dry.	66.36	4" Ø BOREHOLE	2GP		4.0		0.0
10	SP-SAND, and gravel, coarse grained, wet.	63.36	SAND PACK	7-9' -105				
12	END OF BOREHOLE @ 10.0ft BGS	62.36	WELL SCREEN					
14								
16								
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32								
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WELL DETAILS

Screened interval:

67.36 to 57.36ft

5.00 to 15.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

72.36 to 69.36ft

0.00 to 3.00ft BGS

Material:

Grout-Cement/Bentonite

Sand Pack:

69.36 to 57.36ft

3.00 to 15.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

WATER FOUND ∇

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH28-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 29, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630192.59 EASTING: 603248.17 GROUND SURFACE	69.31						
2	BLACKTOP/GRAVEL	68.81		0-2' -101/102				
4	ML-SANDY SILT, with clay, gray/brown.			1GP		5.0		0.0
6		64.31	▽	3-5' -103				
8	SP-SAND, coarse grained, saturated, and gravel, orange/brown.			2GP		4.0		0.0
10	END OF BOREHOLE @ 10.0ft BGS	59.31						
12								
14								
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18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH29-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 28, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629855.2 EASTING: 602483.71 GROUND SURFACE	74.57						
	BLACKTOP/GRAVEL	74.24						
	SP-SAND, and gravel, coarse grained.	73.57		0-2' -087				
2	ML-SANDY SILT, with clay, gray/orange, slight fuel/oil odor.			1GP		4.0		1.4
4								
6	ML-SANDY SILT, with coarse sand and clay, dark brown, gray.	69.57						
	ML-SANDY SILT, gray.	68.57		2GP		3.0		0.2
8								
10	SM-SILTY SAND, and gravel, coarse grained, orange/gray.	64.57						
12				3GP 12-14' -088		4.0		0.0
14	- wet at 14.0ft BGS							
16	END OF BOREHOLE @ 15.0ft BGS	59.57						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH30-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 30, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629895.23 EASTING: 602708.43 GROUND SURFACE	72.87						
2	BLACKTOP/GRAVEL	72.37		0-2' -095				
4	ML-SANDY SILT, gray/orange.			1GP		4.0		0.0
6	ML-SANDY SILT, with coarse sand and gravel.	67.87						
8				2GP 7-9' -096		5.0		
10	- wet at 9.0ft BGS							
12	END OF BOREHOLE @ 10.0ft BGS	62.87						
14								
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34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH31-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 29, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630022.88 EASTING: 602943.25 GROUND SURFACE	71.21						
2	BLACKTOP/GRAVEL SM-SILTY SAND, coarse grained.	70.71		0-2' -106 1GP		4.0		0.0
4	ML-SANDY SILT	67.21						
	LOOSE MATERIAL FROM ABOVE	66.21						
6	ML-SANDY SILT, gray.	65.21		6-8' -107 2GP		4.0		0.0
8	- wet at 8.0ft BGS GP-GRAVEL, coarse grained, with sand.	63.21						
10	END OF BOREHOLE @ 10.0ft BGS	61.21						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH32-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 29, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630010.21 EASTING: 603216.17 GROUND SURFACE	69.27						
2	BLACKTOP/GRAVEL	68.94		0-2' -099 1GP		4.0		0.0
4	ML-SANDY SILT, with coarse sand/gravel, gray/orange.							
6	SM-SILTY SAND, coarse grained, and gravel, orange tan.	64.27		5-7' -100 2GP		4.0		0.0
8	- wet at 7.0ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	59.27						
12								
14								
16								
18								
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24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH33-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 28, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630162.88 EASTING: 602560.3	GROUND SURFACE 72.60						
	BLACKTOP/GRAVEL	72.10						
	ML-SANDY SILT, fine grained, black.	71.10		0-2' -091				
2	ML-SANDY SILT, gray, with trace coarse sand.			1GP		4.0		0.0
4								
6	ML-SANDY SILT, gray.	67.60						
8				2GP 7-9' -092		4.0		0.0
10	SP-SAND, and gravel, coarse grained, wet.	63.60						
	END OF BOREHOLE @ 10.0ft BGS	62.60						
12								
14								
16								
18								
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24								
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28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH34-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 29, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629807.49 EASTING: 602879.35 GROUND SURFACE	72.21						
	BLACKTOP/GRAVEL	71.71						
2	SP-SAND, and gravel, coarse grained, with silt layer, brown black.	70.71		0-2' -108				
	ML-SANDY SILT, gray orange.			1GP		3.0		0.0
4								
6	ML-SANDY SILT, gray/brown.	67.21						
8								
				2GP 7-9' -109		5.0		0.0
10	SM-SILTY SAND, coarse grained, gray/orange, wet.	63.21						
	END OF BOREHOLE @ 10.0ft BGS	62.21						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH35-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 14, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629767.96 EASTING: 603134.6 GROUND SURFACE	71.33						
2	BLACKTOP/GRAVEL	70.83		0-2' -097 1GP		4.0		0.0
4	ML-SANDY SILT, gray/orange.							
6	ML-SANDY SILT, with coarse sand and gravel.	66.33						
8				2GP 7-9' -098		4.0		0.0
10	- wet at 9.0ft BGS							
10	END OF BOREHOLE @ 10.0ft BGS	61.33						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH36-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 14, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630038.7 EASTING: 600684.44	GROUND SURFACE 79.50						
2	CONCRETE FLOOR	79.00		0-2' -007 1GP		4.0		0.0
4	SP-SAND, medium to coarse grained, with clay and silt, orange.							
6	SC-CLAYEY SAND, orange.	74.50						
8	SM-SILTY SAND, clay lenses, gray/orange.	73.50		2GP		4.0		0.0
10	ML-CLAYEY SILT, gray.	69.50						
12	SP-SAND AND GRAVEL, coarse grained, orange.	68.50		3GP 12-14' -008		3.0		0.0
14	- wet at 14.0ft BGS							
16	END OF BOREHOLE @ 15.0ft BGS	64.50						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH37-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 13, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630134.14 EASTING: 600754.44	79.30						
	FLOOR							
2	SP-SAND, coarse grained, with silty clay, orange.	78.80		0-2' -005 1GP		4.0		0.1
4								
6	ML-CLAYEY SILT, with coarse sand, orange.	74.80						
8	ML-CLAYEY SILT, with coarse sand, gray.	74.30		2GP		4.0		0.0
10								
12	CI-SILTY CLAY, gray.	69.30						
14	SP-SILTY SAND, coarse grained, gray-orange. - wet at 13.0ft BGS	67.30		11-13' -006 3GP		5.0		0.0
16	END OF BOREHOLE @ 15.0ft BGS	64.30						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH38-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629146.1 EASTING: 602289.81 GROUND SURFACE	81.68						
2	BLACKTOP/GRAVEL	81.18		0-2' -070				
4	SP-SAND, coarse grained, with silt, orange brown.			1GP		3.0		0.0
6								
8	SP-SAND, orange, coarse grained.	76.68		2GP		3.0		0.0
10								
10	BLACKTOP	72.18 71.88		9-10' -071/ 072				
12	ML-SANDY SILT, with clay, gray.			3GP				
12	- REFUSAL at 12.0ft BGS END OF BOREHOLE @ 12.0ft BGS	69.68						
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH39-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629208 EASTING: 602353.47 GROUND SURFACE	80.85						
2	BLACKTOP/GRAVEL ML-SANDY SILT, orange.	80.35		1GP		3.0		240
4				4-5' -075				
6	ML-SANDY SILT, coarse sand, brown/orange.	75.85		2GP		4.0		170
8								360
10	ML-SANDY SILT, brown/orange.	70.85		3GP		4.0		450
12								
14	SP-SAND AND GRAVEL, coarse grained, brown/orange.	66.85		13-15' -076				
16	- wet at 15.0ft BGS END OF BOREHOLE @ 15.0ft BGS	65.85						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH40-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629138.58 EASTING: 602358.92 GROUND SURFACE	81.71						
2	BLACKTOP/GRAVEL SP-SAND, coarse grained, brown.	81.21		0-2' -073 1GP		3.0		
4								
6	SP-SAND, coarse grained, with silt, orange/brown.	76.71		2GP		2.5		160
8								
10	BALLAST STONE, saturated.	71.71	▽	9-10' -074 3GP		0.5		360
12								
14								
16	END OF BOREHOLE @ 15.0ft BGS	66.71						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▽
CHEMICAL ANALYSIS ○

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH41-11/MW30-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 27, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629125.42 EASTING: 602168.6	GROUND SURFACE TOP OF RISER 82.53 82.14						
2	SM-SILTY SAND, brown/orange.		1"Ø PVC RISER CEMENT/ BENTONITE GROUT 4" Ø BOREHOLE SAND PACK WELL SCREEN	1GP 2.4' -077		5.0		2.4
4								
6	SM-SILTY SAND, brown/orange.	77.53		2GP		5.0		
8								
10	ML-CLAYEY SILT, gray/orange.	73.03						
12	MIX OF SILTY LAYERS, with coarse sand, gray/orange.	72.53		3GP		5.0		64
14								
16	SM-SILTY SAND, coarse grained.	68.03						
18	- wet at 17.0ft BGS			4GP		5.0		79
20	END OF BOREHOLE @ 20.0ft BGS	62.53						
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS
Screened interval:
72.53 to 62.53ft
10.00 to 20.00ft BGS
Length: 10ft
Diameter: 1in
Slot Size: 0.010
Material: PVC
Seal:
82.53 to 74.53ft
0.00 to 8.00ft BGS
Material:
Grout-Cement/Bentonite
Sand Pack:
74.53 to 62.53ft
8.00 to 20.00ft BGS
Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH42-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 27, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629128.58 EASTING: 602151.69 GROUND SURFACE	82.45						
2	ML-SANDY SILT, orange/brown.			0-2' -079 1GP		5.0		1.4
4								
6	SM-SILTY SAND, coarse grained, orange/brown.	77.45		2GP		3.0		21.9
8								
10	ML-SANDY SILT, and coarse sand, orange/gray.	72.45		3GP		5.0		12
12								
14	- coarse sand at 14.5ft BGS							
16	ML-SANDY CLAYEY SILT.	67.45		15-17' -080 4GP		5.0		27
18	- coarse sand, gravel, with silt at 17.0ft BGS							
20	END OF BOREHOLE @ 20.0ft BGS	62.45						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH43-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629008.67 EASTING: 601989.85 GROUND SURFACE	80.47						
2	BLACKTOP/GRAVEL	79.97		0-2' -066				
4	SP-SAND AND GRAVEL, coarse grained, with silt, orange.			1GP		3.0		0.0
6	ML-SANDY SILT, orange.	75.47		2GP		5.0		0.0
8								
10	ML-CLAYEY SILT, with gravel and coarse sand, orange gray.	71.47						
	ML-SANDY SILT, orange.	70.47						
12	GP-GRAVEL, coarse sand.	68.47		3GP		4.0		0.2
	ML-SANDY SILT, with clay, orange/gray.	67.97		12-14' -067				0.0
14	SM-SILTY SAND, coarse grained, brown/gray.	66.47						
16	SP-SAND, coarse grained, and silt, saturated.	65.47		4GP		4.0		0.0
18								
20	END OF BOREHOLE @ 20.0ft BGS	60.47						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH44-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629006.9 EASTING: 602006.94 GROUND SURFACE	80.65						
	BLACKTOP/GRAVEL	80.15		0-2' -064				
2	ML-SANDY SILT, coarse grained, orange.			1GP		3.0		0.0
4								
6	ML-SANDY SILT, orange.	75.65						
8				2GP		5.0		0.0
10	ML-SANDY SILT, with coarse sand lenses, orange/gray.	72.65						
12								
14	ML-SANDY SILT, with clay, orange.	70.65						
16				3GP 12-14' -065		5.0		0.0
18								
20	SP-SAND, coarse grained, with silt, wet.	66.65						
22								
24	END OF BOREHOLE @ 15.0ft BGS	65.65						
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH45-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 628972.69 EASTING: 602000.86 GROUND SURFACE	80.69						
2	BLACKTOP/GRAVEL SP-SAND, coarse grained, orange/brown.	80.19		0-2' -062 1GP		4.0		0.0
4								
6	ML-SANDY SILT, with clay, orange/brown.	75.69		2GP		5.0		0.0
8								
10	ML-SANDY SILT, with clay.	70.69						
12								
14	ML-SANDY SILT, with coarse sand, wet.	67.19		3GP 12-14' -063		5.0		0.0
	ML-CLAYEY SILT, with sand, orange/gray.	66.69						
	END OF BOREHOLE @ 15.0ft BGS	65.69						
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH46-11/MW31-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 26, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 628973.94 EASTING: 601980.41	GROUND SURFACE TOP OF RISER 80.84 80.58						
2	BLACKTOP/GRAVEL	80.34	1" Ø PVC RISER CEMENT/ BENTONITE GROUT 4" Ø BOREHOLE SAND PACK WELL SCREEN	1GP	0-2' -068	3.0		0.0
4	SP-SAND, coarse grained, with silt, orange.							
6				2GP		5.0		0.0
8	SP-SAND AND GRAVEL, coarse grained, with silt.	75.84						
10			4" Ø BOREHOLE SAND PACK WELL SCREEN	3GP	13-15' -069	5.0		0.0
12	CL-SANDY CLAY, with silt.	70.84						
14								
16	- coarse sand, wet at 15.0ft BGS	65.84		4GP		5.0		0.0
18	CL-SANDY CLAY, coarse grained, with gravel.							
20	END OF BOREHOLE @ 20.0ft BGS	60.84						
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS

Screened interval:

66.84 to 56.84ft

14.00 to 24.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

80.84 to 68.84ft

0.00 to 12.00ft BGS

Material:

Grout-Cement/Bentonite

Sand Pack:

68.84 to 56.84ft

12.00 to 24.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH47-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 21, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630196.36 EASTING: 601651.76 GROUND SURFACE	75.41						
2	CONCRETE	74.91		0-2' -044				
4	ML-SANDY SILT, fine to coarse sand, gray/brown.			1GP		3.0		0
6	- saturated at 6.0ft BGS			4-6' -045				
8	ML-SANDY SILT, fine, gray/orange, saturated.	68.41		2GP		4.0		
10	END OF BOREHOLE @ 10.0ft BGS	65.41						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH48-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 21, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630417.61 EASTING: 601742.96 GROUND SURFACE	74.93						
2	CONCRETE GRAVEL ML-SANDY SILT, coarse sand, gray/orange.	74.43		1GP 0-2' -048/ 049		4.0		0
4								
6	ML-SANDY SILT, fine sand, gray/orange.	69.93				5.0		
8								
10	SP-SAND, and gravel, with silt, coarse grained, wet.	65.93		2GP 7-9' -050				
12	SP/ML-SAND/CLAYEY SILT, coarse grained.	64.93						
14				3GP		5.0		
16	END OF BOREHOLE @ 15.0ft BGS	59.93						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH49-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 21, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630068.92 EASTING: 601741.94 GROUND SURFACE	83.21						
2	BLACKTOP/GRAVEL ML-SANDY SILT, fine, gray, mottled orange.	82.88		0-2' -046 1GP		5.0		0
4								
6	ML-SANDY SILT, with coarse sand lenses.	78.21		2GP		5.0		0
8				7.5-9.5' -047				
10	SP-SAND, and gravel, with ML-clayey silt, coarse grained, wet. END OF BOREHOLE @ 10.0ft BGS	73.71 73.21						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH50-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 22, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630390.21 EASTING: 601882.96 GROUND SURFACE	74.34						
2	BLACKTOP/GRAVEL	73.84		0-2' -051				
4	SP-SAND, trace silt, fine to coarse grained, orange.			1GP		3.0		0
6	SP-SAND, with silt, coarse grained, gray.	69.34						
8	SP-SAND, with grave and silty clay, coarse grained, gray.	68.34		2GP 7-9' -052		4.0		0
10	ML-SANDY SILT, coarse sand, gray, wet.	65.34						
12	ML-SANDY SILT, coarse sand, gray.	64.34						
14	SM-SILTY SAND, coarse grained, gray.	61.34		3GP		3.0		0
16	END OF BOREHOLE @ 15.0ft BGS	59.34						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH51-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 22, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630155.24 EASTING: 602133.07 GROUND SURFACE	74.12						
2	BLACKTOP/GRAVEL	73.62		0-2' -053 1GP		5.0		0
4	SP-SAND, with silt, fine to coarse grained, orange/gray.							
6	ML-SANDY SILT, fine, with coarse sand, gray/orange.	69.12		2GP		5.0		0
8								
10	SM-SILTY SAND, and gravel, with clay, coarse grained. - wet at 11.0ft BGS	64.12		9-11' -054 3GP		5.0		0
12								
14								
16	END OF BOREHOLE @ 15.0ft BGS	59.12						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH52-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 22, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630411.82 EASTING: 602184.32 GROUND SURFACE	73.77						
2	BLACKTOP/GRAVEL	73.27		0-2' -055 1GP		4.0		0
4	CL/ML-CLAYEY SILT, trace sand, black/gray-bluish green.	69.77						
6	SM-SILTY SAND, gray/orange.	68.77		2GP		5.0		0
8	CL/ML-CLAYEY SILT, with sand lenses, orange/gray.							
10	- slightly moist at 9.0ft BGS	63.77						
12	CL/ML-CLAYEY SILT, orange/gray.	60.77		3GP		5.0		0
14	CL/ML-CLAYEY SILT, gray.	59.27		13-15' -056				
16	SP-SAND, and gravel, with silt, coarse grained.	58.77						
16	END OF BOREHOLE @ 15.0ft BGS							
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH53-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 4, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630631.04 EASTING: 603428.81 GROUND SURFACE	69.86						
2	BLACKTOP/GRAVEL	69.36		0-2' -130				
4	ML-SANDY SILT, with coarse sand, gray/brown/black			1GP		4.0		0.0
6	ML-SANDY SILT, gray/brown	64.86						
8				2GP 7-9' -131/ 132		4.0		0.0
10	SM-SILTY SAND, coarse grained, wet	60.86						
12	END OF BOREHOLE @ 10.0ft BGS	59.86						
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH54-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 4, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630568.48 EASTING: 603433.23 GROUND SURFACE	70.32						
2	BLACKTOP/GRAVEL ML-SANDY SILT, gray/brown - brown at 3.0ft BGS	69.99		0-2' 126/ 127 1GP		5.0		1.5
4								
6	ML-SANDY SILT, with clay, gray/brown	65.32				5.0		0.5
8				2GP 7-9' 128/ 129				
10	SM-CLAYEY SILTY SAND, gray, wet ML-SANDY SILT, coarse grained, orange END OF BOREHOLE @ 10.0ft BGS	61.32 60.82 60.32						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH55-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 4, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630624.25 EASTING: 603471.24 GROUND SURFACE	70.55						
2	SM/GM-SILTY SAND AND GRAVEL, coarse grained sand, coarse grained gravel, gray/orange			0-2' -136				
4				1GP		2.0		0.0
6	- silty coarse sand and sandy silt lens, gray/brown at 5.0ft BGS							
8				2GP 7-9' -137				
10	END OF BOREHOLE @ 10.0ft BGS	60.55						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH56-11

PROJECT NUMBER: 17338

DATE COMPLETED: October 4, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630591.28 EASTING: 603458.92 GROUND SURFACE	72.83						
2	SM/GM-SILTY SAND AND GRAVEL, coarse grained sand, coarse grained gravel, dark brown/gray			0-2' 133/ 134 1GP		2.0		0.0
4								
6	ML-SANDY SILT, gray/orange	67.83						
8								
10	SP/GP-SAND AND GRAVEL, coarse grained sand, coarse grained gravel, brown	63.83		2GP 7-9' 135		4.0		0.0
10	END OF BOREHOLE @ 10.0ft BGS	62.83						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH57-11/MW24-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 20, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

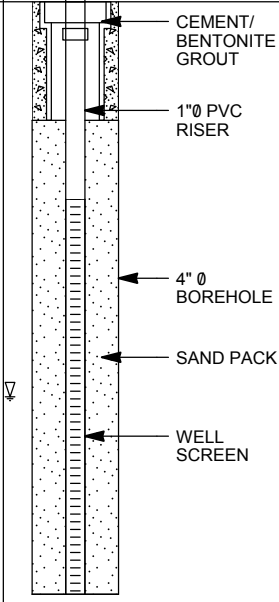
LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (ft)	'N' VALUE
	NORTHING: 630309.03 EASTING: 601328.4	GROUND SURFACE TOP OF RISER 74.62 74.35					
	BLACKTOP GRAVEL BASE						
2	SM-SILTY SAND, coarse grained, orange/tan/gray.	73.79		1GP		3.0	
4							
6	ML-SANDY SILT, and clay, fine.	69.62					
8							
10	SP-SAND, with silt, coarse grained, wet	65.62					
12	SP-SAND, and gravel, tan/gray, saturated.	64.62					
14							
16	END OF BOREHOLE @ 15.0ft BGS	59.62					
18							
20							
22							
24							
26							
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



WELL DETAILS
Screened interval:
69.62 to 59.62ft
5.00 to 15.00ft BGS
Length: 10ft
Diameter: 1in
Slot Size: 0.010
Material: PVC
Seal:
74.62 to 71.62ft
0.00 to 3.00ft BGS
Material:
Grout-Cement/Bentonite
Sand Pack:
71.62 to 59.62ft
3.00 to 15.00ft BGS
Material: Sand



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH58-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 20, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (ft)	'N' VALUE
	NORTHING: 630256.1 EASTING: 601341.02 GROUND SURFACE	74.45					
2	CONCRETE	73.62		0-2' -037 1GP		1.0	
4	SM-SILTY SAND, and gravel, with silty clay, coarse grained, dark gray/brown.						
6	SP-SAND, and gravel, with silt, coarse grained, gray/green/black.	69.45		5-7' -038 2GP		3.0	
8							
10	SP-SAND, and gravel, coarse grained, gray/tan/orange.	65.45					
12	SP-SAND, trace silt, clay lens, coarse grained.	64.45					
14							
16	END OF BOREHOLE @ 15.0ft BGS	59.45		3GP		3.0	
18							
20							
22							
24							
26							
28							
30							
32							
34							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH59-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 19, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629195.5 EASTING: 600032.69	79.83						
	GROUND SURFACE							
2	BLACKTOP GRAVEL	79.33		0-2' -020 1GP		3.0		0
4	SP-SAND, with silt and silty clay, medium to coarse grained, tan/brown.							
6	SP-SAND, with silt, fine grained, orange with gray lenses.	74.83		2GP		4.0		0
8								
10	SP-SAND, with some gravel, fine to medium grained, orange/brown.	69.83						
12	SC-CLAYEY SAND, fine grained, orange to light brown.	68.33						
14	SP-SAND, with gravel, coarse grained, orange tan.	67.33		3GP		5.0		0
16	MIX OF COARSE SAND AND GRAVEL, some silty sand	64.83						
18	- silty sand, wet at 18.0ft BGS			16-18' -021 4GP		5.0		0
20	END OF BOREHOLE @ 20.0ft BGS	59.83						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH60-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 20, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629036.22 EASTING: 600356.83	GROUND SURFACE 77.65						
	BLACKTOP GRAVEL							
2	SM-SILTY SAND, with clay bands, fine grained, gray/orange.	76.65		0-2' -031 1GP		1.0		0
4								
6								
8				2GP		5.0		0
10	CL/ML-SILTY CLAY, tan/gray.	67.65						
12				3GP		5.0		0
14								
16	SP-SAND, coarse grained.	63.15		13-15' -032 4GP		5.0		0
18	SP-SAND, coarse grained, orange, saturated.	62.65						
20	END OF BOREHOLE @ 20.0ft BGS	57.65						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH61-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 19, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629110.5 EASTING: 600671.52	GROUND SURFACE 78.39						
2	BLACKTOP/GRAVEL BASE LAYER	77.89		1GP		4.0		0
4	ML-SANDY SILT, orange/gray.							
6	ML-SANDY SILT, some clay, fine.	73.39		2GP		5.0		0
8								
10	SP-SAND, and gravel, coarse grained.	68.89						
12	SP-SAND, and gravel, with silt, coarse grained, quartz, gray/orange.	68.39		3GP		5.0		0
14								
16	SM-SILTY SAND, and gravel, coarse grained, saturated	63.39		4GP		4.0		0
18								
20	END OF BOREHOLE @ 20.0ft BGS	58.39						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND 
CHEMICAL ANALYSIS 

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH62-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 19, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 628885.7 EASTING: 600044.41	GROUND SURFACE 79.00						
	BLACKTOP/GRAVEL, coarse sand with silt							
2	ML-SANDY SILT, dark brown/gray.	77.50						
	CL-SILTY CLAY, gray.	77.00		1GP		4.0		0
4	ML-SANDY SILT, trace clay, fine, gray to light gray.	75.50						
	ML-SANDY SILT, fine, gray.	74.00						
6								
	CL/ML-CLAYEY SILT, with fine sand, gray.	72.00		2GP		5.0		0
8	SP-SAND, coarse grained, tan orange.	70.50						
	BANDS OF CLAYEY FINE SAND AND SILT	69.00						
10								
	SP/GP-SAND AND GRAVEL, with silt, coarse grained.	66.00		3GP		5.0		0
12								
	SM-SILTY SAND, coarse grained.	64.00						
14								
	SP-SAND, and gravel, coarse grained, saturated.	62.00		4GP		5.0		0
16								
18								
20	END OF BOREHOLE @ 20.0ft BGS	59.00						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH63-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 19, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 628633.12 EASTING: 600279.74 GROUND SURFACE	81.09						
2	BLACKTOP GRAVEL	80.59		0-2' -025 1GP		5.0		0
4	ML-SANDY SILT, fine, gray/tan.							
6	CL/ML-CLAYEY SILT, with sand, gray/tan/brown.	76.09		2GP		5.0		0
8								
10	SM-SILTY SAND, fine grained, gray/orange/brown.	71.09						
12	CL/ML-SILTY CLAY, gray orange, moist.	70.09		3GP		5.0		0
14	SP-SAND, and gravel ,coarse grained, quartz fragments, moist	67.09						
16	SP-SAND, and gravel, coarse grained.	66.09		14-16' -026 4GP		5.0		0
18	CL/ML-CLAYEY SILT, orange.	65.09						
20	END OF BOREHOLE @ 20.0ft BGS	61.09						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH64-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 19, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 628655.08 EASTING: 600760.34	GROUND SURFACE 81.04						
	BLACKTOP GRAVEL	80.54						
	SM-SILTY SAND, orange.							
2	BLACKTOP GRAVEL, black	79.04 78.54		1GP		4.0		0
4	ML-SANDY SILT, orange/brown/gray.							
6	CL/ML-CLAYEY SILT, with fine sand, orange/gray.	76.04		2GP		5.0		0
8								
10	CL/ML-CLAYEY SILT, with sand, orange gray.	71.04		3GP		5.0		0
12								
14	GP-GRAVEL, and sand, coarse grained.	66.54 66.04		4GP		5.0		0
16	SP-SAND, with silt, coarse grained, saturated							
18								
20	END OF BOREHOLE @ 20.0ft BGS	61.04						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW22-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 20, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (ft)	'N' VALUE
	NORTHING: 629456.93 EASTING: 600653.43	GROUND SURFACE TOP OF RISER 78.54 78.19					
2	BALLAST GRAVEL	78.04	CEMENT/ BENTONITE GROUT	1GP		3.0	
4	ML-SANDY SILT, fine, gray/tan/orange.		1"Ø PVC RISER				
6	MIX OF COARSE SAND, with silt and clay, brown/gray.	73.54	4" Ø BOREHOLE	2GP		4.0	
8			SAND PACK				
10	- wet at 10.0ft BGS	68.54	WELL SCREEN	3GP		4.0	
12	CL-SANDY CLAY, fine with coarse grained sand lenses, saturated from 10-13'.						
14							
16	END OF BOREHOLE @ 15.0ft BGS	63.54					
18							
20							
22							
24							
26							
28							
30							
32							
34							

WELL DETAILS

Screened interval:

73.54 to 63.54ft

5.00 to 15.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

78.54 to 75.54ft

0.00 to 3.00ft BGS

Material:

Grout-Cement/Bentonite

Sand Pack:

75.54 to 63.54ft

3.00 to 15.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
WATER FOUND ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW25-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 21, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630315.2 EASTING: 601397.74	GROUND SURFACE TOP OF RISER 74.34 74.02						
2	CONCRETE	73.84	CEMENT/ BENTONITE GROUT	1GP	2.5			0
4	SP-SAND, with silt/gravel, coarse grained, brown.	69.84 69.34	1"Ø PVC RISER					
6	ML-SANDY SILT, fine, orange/gray.							
8	ML-SANDY SILT, fine, gray/orange mottling.		4" Ø BOREHOLE	2GP 7.9' -041	3.0			0
10	SP-SAND, and gravel, coarse grained, orange, saturated.	65.34	SAND PACK					
12			WELL SCREEN	3GP	4.0			0
14								
16	END OF BOREHOLE @ 15.0ft BGS	59.34						
18			WELL DETAILS Screened interval: 69.34 to 59.34ft 5.00 to 15.00ft BGS Length: 10ft Diameter: 1in Slot Size: 0.010 Material: PVC Seal: 74.34 to 71.34ft 0.00 to 3.00ft BGS Material: Grout-Cement/Bentonite Sand Pack: 71.34 to 59.34ft 3.00 to 15.00ft BGS Material: Sand					
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 WATER FOUND
 CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW26-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 21, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630245.68 EASTING: 601421.99	GROUND SURFACE TOP OF RISER 75.13 74.90						
2	GRAVEL/CONCRETE SP-SAND, some silt, coarse grained, brown.	74.63	CEMENT/ BENTONITE GROUT 1"Ø PVC RISER 4" Ø BOREHOLE SAND PACK WELL SCREEN	1GP		3.0		2.2
4	ML-SANDY SILT, fine, black brown/gray.	71.13						
	SP-SAND AND GRAVEL, coarse grained.	70.13						
6	ML-SANDY SILT, gray black.	69.13						
8	SP-SAND, with green silty clay lenses, gray/black.	68.13		2GP		5.0		0
10	SP-SAND, and gravel, coarse grained, wet.	65.13						
12								
14				3GP		1.0		0
16	END OF BOREHOLE @ 15.0ft BGS	60.13						
18								

WELL DETAILS

Screened interval:

70.13 to 60.13ft

5.00 to 15.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

75.13 to 72.13ft

0.00 to 3.00ft BGS

Material:

Grout-Cement/Bentonite

Sand Pack:

72.13 to 60.13ft

3.00 to 15.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW29-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 27, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630003.71 EASTING: 602440.3	GROUND SURFACE TOP OF RISER 75.34 75.12						
2	BLACKTOP/GRAVEL	74.84	CEMENT/ BENTONITE GROUT 1"Ø PVC RISER 6" Ø BOREHOLE SAND PACK WELL SCREEN	0-2' -085		3.0		295
4	SM-SILTY SAND, fine grained, red, sludge odor.			1GP				
6	SP-SAND, and silt, fine grained, reddish, perched water.	70.34						
6	ML-SANDY SILT, with clay, gray/brown.	69.34		2GP		4.0		29
8								
10	ML-CLAYEY SILT, moist, gray brown.	65.34						
12				3GP				
14								
16	ML-CLAYEY SILT, gray/green/brown.	60.34						
18	SP-SAND AND GRAVEL, coarse grained. - wet at 19.0ft BGS	57.34		4GP 17-19' -086				
20	END OF BOREHOLE @ 20.0ft BGS	55.34						
22			WELL DETAILS Screened interval: 65.34 to 55.34ft 10.00 to 20.00ft BGS Length: 10ft Diameter: 1in Slot Size: 0.1 Material: PVC Seal: 75.34 to 72.34ft 0.00 to 3.00ft BGS Material: Grout-Cement/Bentonite Sand Pack: 72.34 to 55.34ft 3.00 to 20.00ft BGS Material: Sand					
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW32-11

PROJECT NUMBER: 17338

DATE COMPLETED: September 20, 2011

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629420.33 EASTING: 599941.32	GROUND SURFACE 83.02 TOP OF RISER 82.67						
2	ML-SANDY SILT, fine grained, gray orange.		CEMENT/ BENTONITE GROUT	0-2' -033				
4			1"Ø PVC RISER	1GP	5.0			0
6	ML-SANDY SILT, fine grained, gray/orange.	78.02		2GP	5.0			0
8								
10								
12			4" Ø BOREHOLE	11-13' -034 3GP	5.0			0
14	SP-SAND, coarse grained, gray, wet.	70.02						
	ML-SANDY SILT, fine grained, gray/orange.	69.52						
	SM-SILTY SAND, orange.	69.02	SAND PACK					
16	SP-SAND, coarse grained, orange.	68.02	WELL SCREEN	4GP	5.0			0
18								
20	END OF BOREHOLE @ 20.0ft BGS	63.02						
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS

Screened interval:

73.02 to 63.02ft

10.00 to 20.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

83.02 to 80.02ft

0.00 to 3.00ft BGS

Material:

Grout-Cement/Bentonite

Sand Pack:

80.02 to 63.02ft

3.00 to 20.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH18/2-12

PROJECT NUMBER: 17338

DATE COMPLETED: August 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630454.72 EASTING: 602730.77 GROUND SURFACE	73.53						
	BLACKTOP/GRAVEL	73.03		1GP 201				0.0
	ML-CLAYEY SILT, gray brown							
2	END OF BOREHOLE @ 2.0ft BGS	71.53						
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH24/2-12

PROJECT NUMBER: 17338

DATE COMPLETED: August 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630399.68 EASTING: 603221.93 GROUND SURFACE	69.86						
	BLACKTOP/GRAVEL	69.36						
	GRAVEL/SILTY SAND/FILL MATERIAL, organic, black, pieces	68.53		1GP 202				
2	ML-CLAYEY SILT, gray	67.86						
	END OF BOREHOLE @ 2.0ft BGS							
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: BH53/2-12

PROJECT NUMBER: 17338

DATE COMPLETED: August 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 630631.04 EASTING: 603428.81 GROUND SURFACE	69.86						
	BLACKTOP/ASPHALT	69.36						
	CL-SILTY CLAY, with gravel, tan	68.86		1GP 200				0.0
2	CL-CLAY, organic layer, dark brown/gray	67.86						
	END OF BOREHOLE @ 2.0ft BGS							
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-1

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630584.72 EASTING: 603412.18 GROUND SURFACE	69.96						
	BLACKTOP/GRAVEL							
2	SP/GP-SAND AND GRAVEL, coarse grained, tan	68.96		1GP				
	END OF BOREHOLE @ 2.5ft BGS	67.46						
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-2

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630619.19 EASTING: 603383.99	GROUND SURFACE 69.77						
	BLACKTOP/GRAVEL							
2	ML-CLAYEY SILT, trace gravel, brown	68.77		1GP				
4	END OF BOREHOLE @ 3.5ft BGS	66.27						
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-3

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630566.68 EASTING: 603364	GROUND SURFACE 70.83						
	BLACKTOP/GRAVEL	70.33						
2	ML-SILT, trace sand, 4" layer of glass/FILL material			1GP				
4	END OF BOREHOLE @ 3.7ft BGS	66.83						
	ML-SILT, trace sand, brown gray			2GP				
6	SP-SAND, trace silt, coarse grained, brown	64.83						
		63.83						
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-4

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630515.9 EASTING: 603369.55	71.29						
	GROUND SURFACE							
	BLACKTOP/GRAVEL	70.79						
2	ORGANIC LAYER, wood silty, organic			1GP				
4	ML-SILT, coarse sand, tan, gray	67.29		2GP				
6	END OF BOREHOLE @ 6.0ft BGS	65.29						
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-5

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630452.08 EASTING: 603379.38	GROUND SURFACE 71.46						
	BLACKTOP/GRAVEL	70.96						
2	ML-CLAYEY SILT, gray			1GP				
4	CL-SILTY CLAY, gray brown	68.96		2GP				
6	END OF BOREHOLE @ 6.0ft BGS	65.46						
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-6

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630404.81 EASTING: 603387.1	GROUND SURFACE 71.52						
	BLACKTOP/GRAVEL	71.02						
2	ML-CLAYEY SILT, with sand			1GP				
	END OF BOREHOLE @ 2.5ft BGS	69.02						
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-7

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630605.49 EASTING: 603309.59 GROUND SURFACE	71.12						
	BLACKTOP/GRAVEL	70.62		1GP				
2	ML-CLAYEY SILT, brown							
	END OF BOREHOLE @ 3.0ft BGS	68.12						
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-8

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630558.01 EASTING: 603315	GROUND SURFACE 71.39						
	BLACKTOP/GRAVEL	70.89						
	ML-CLAYEY SILT, gray/brown, 4" organic layer	69.39		1GP				
2	END OF BOREHOLE @ 2.0ft BGS							
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-9

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630505.4 EASTING: 603321.41 GROUND SURFACE	71.31						
	BLACKTOP/GRAVEL	70.81						
2	FILL MATERIAL, gravel, crushed brick, coarse sand	68.81		1GP				
	ML-SILT, with clay, gray	68.31						
4	END OF BOREHOLE @ 3.0ft BGS							
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-10

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630455.65 EASTING: 603330.31 GROUND SURFACE	70.45						
	BLACKTOP/GRAVEL	69.95						
	FILL MATERIAL, crushed stone, coarse sand	68.45		1GP				
2	ML-SILT, with clay, gray, brown	66.95						
4	END OF BOREHOLE @ 3.5ft BGS							
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-11

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630406.78 EASTING: 603340.79	GROUND SURFACE 71.00						
	BLACKTOP/GRAVEL	70.50						
2	SP-SAND, with silt, coarse grained, organic layer/wood			1GP				
4	broken glass	67.00 66.50						
6	ML-SILT, with coarse sand, gray	65.00		2GP				
8	SP-SAND, with gravel, trace silt, coarse grained							
	END OF BOREHOLE @ 8.0ft BGS	63.00						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-12

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630357.34 EASTING: 603348.95 GROUND SURFACE	71.62						
	BLACKTOP/GRAVEL	71.12						
	SP-SAND, with silt, coarse grained	70.62						
2	ML-ORGANIC SILT, sand, brown	70.12		1GP				
	ML-SILT, with coarse sand							
4	CL-SILTY CLAY, gray brown	67.62						
6	SP-SAND, with silty clay, coarse grained	65.62		2GP				
8	END OF BOREHOLE @ 7.5ft BGS	64.12						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-13

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630391.62 EASTING: 603291.9 GROUND SURFACE	70.88						
	BLACKTOP/GRAVEL	70.38						
2	SP/GP-SAND AND GRAVEL, trace silt, coarse grained, tan/gray	69.38		1GP				
4	ML-CLAYEY SILT, brown/gray							
	- gray at 4.0ft BGS							
6	SP/GP-SAND AND GRAVEL, trace silt, coarse grained	65.38		2GP				
	END OF BOREHOLE @ 7.0ft BGS	63.88						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-14

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630379.66 EASTING: 603243.33 GROUND SURFACE	70.96						
	BLACKTOP/GRAVEL	70.46						
	GP-GRAVEL, with sand, coarse grained	69.96						
2	SM-SILTY SAND, coarse grained, brown/tan	68.96		1GP				
	ML-CLAYEY SILT							
4	END OF BOREHOLE @ 4.0ft BGS	66.96						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-15

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630342.38 EASTING: 603301.7 GROUND SURFACE	71.15						
	BLACKTOP/GRAVEL	70.65						
	SP-SAND, with silt, coarse grained	69.65		1GP				
2	SM-SILTY SAND, coarse grained	68.65						
	ML-SILT, trace sand	68.15						
4	END OF BOREHOLE @ 3.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-16

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630307.21 EASTING: 603359.26 GROUND SURFACE	71.90						
	BLACKTOP/GRAVEL	71.40						
2	SP/GP-SAND AND GRAVEL, coarse grained, orange	69.90		1GP				
4	FILL MATERIAL, clayey silt, coarse sand	68.40						
6	SP-SAND, trace silt, coarse grained			2GP				
8	END OF BOREHOLE @ 7.0ft BGS	64.90						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-17

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630524.95 EASTING: 603421.45 GROUND SURFACE	71.10						
	BLACKTOP/GRAVEL	70.60						
	ML/SP-SILT AND SAND, coarse grained, with gravel, dark brown	69.60		1GP				
2	ML-CLAYEY SILT, trace gravel, gray/brown	68.10						
	END OF BOREHOLE @ 3.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-18

PROJECT NUMBER: 17338

DATE COMPLETED: August 23, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630440.45 EASTING: 603416.19 GROUND SURFACE	70.25						
2	SM-SILTY SAND, with gravel			1GP				
	ML-SILT, with clay, gray	67.75 67.25						
4	END OF BOREHOLE @ 3.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-19

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630693.11 EASTING: 603218.34	GROUND SURFACE 70.58						
	BLACKTOP/GRAVEL, coarse sand							
	ML-SILT, with gravel, brown	69.58		1GP				
2	END OF BOREHOLE @ 2.0ft BGS	68.58						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-20

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630564.46 EASTING: 603239.78 GROUND SURFACE	71.51						
	BLACKTOP/GRAVEL	71.01						
	SP/GP-SILTY SAND AND GRAVEL, dark brown, FILL MATERIAL	70.01		1GP				
2	ML-CLAYEY SILT							
4	- gray orange at 4.0ft BGS							
6	SP/GP-SAND AND GRAVEL, coarse grained	65.51		2GP				
8	END OF BOREHOLE @ 8.0ft BGS	63.51						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-21

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630457.11 EASTING: 603269.5	GROUND SURFACE 69.78						
	BLACKTOP/GRAVEL							
	ML-SANDY SILT, coarse grained, gray/dark brown	68.78						
2	ML-SILT, trace clay, gray/orange	67.78		1GP				
4	- gray/brown at 4.0ft BGS							
6	SP-SAND, with silt and gravel, coarse grained, brown	64.78		2GP				
	END OF BOREHOLE @ 7.0ft BGS	62.78						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-22

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630407.43 EASTING: 603167.79 GROUND SURFACE	70.15						
	BLACKTOP/GRAVEL	69.65						
	SM-SILTY SAND, coarse grained	69.15						
2	ML-CLAYEY SILT			1GP				
4	END OF BOREHOLE @ 3.0ft BGS	67.15						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-23

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630539.32 EASTING: 603142.55 GROUND SURFACE	71.74						
	BLACKTOP/GRAVEL	71.24						
	FILL, coarse sand and silt							
2	ML-SILT, with clay, orange/gray	69.74		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	67.74						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-24

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630671.74 EASTING: 603114.78 GROUND SURFACE	71.29						
	BLACKTOP/GRAVEL							
	SP-SAND, coarse grained	70.29						
2	ML-SILTY, with clay - with fine sand at 2.5ft BGS	69.79		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	67.29						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-25

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630655.21 EASTING: 603042.23 GROUND SURFACE	71.68						
	BLACKTOP/GRAVEL	71.18						
	SP-SAND, coarse grained, orange	69.68		1GP				
2	ML-SILT, with clay, gray orange	67.68						
4	END OF BOREHOLE @ 4.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-26

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630569.36 EASTING: 603058.27	GROUND SURFACE 72.75						
	BLACKTOP/GRAVEL, coarse sand							
	ML-SILT, with coarse sand and gravel	71.75						
2	ML-CLAYEY SILT, gray/orange	70.75		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	68.75						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-27

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630472.83 EASTING: 603076.37	GROUND SURFACE 72.45						
	BLACKTOP/GRAVEL, coarse sand							
	FILL, glass, silt, crushed brick, clay	71.45		1GP				
2	END OF BOREHOLE @ 2.0ft BGS	70.45						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-28

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630371.27 EASTING: 603102.23 GROUND SURFACE	71.03						
	BLACKTOP/GRAVEL	70.53						
	SP-SAND, with silt and gravel, coarse grained, FILL MATERIAL	69.53		1GP				
2	CL-CLAY, with silt, gray/orange							
4	ML-SILT, with clay	67.03						
6				2GP				
8	END OF BOREHOLE @ 8.0ft BGS	63.03						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-29

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630352.4 EASTING: 602997.71 GROUND SURFACE	72.40						
	BLACKTOP/GRAVEL	71.90						
	SP/GP-SAND AND GRAVEL, coarse grained	71.40						
2	SM-SILTY SAND, gravel	70.40		1GP				
	ML-CLAYEY SILT, gray	69.40						
4	END OF BOREHOLE @ 3.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-30

PROJECT NUMBER: 17338

DATE COMPLETED: August 29, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630552.18 EASTING: 602956.88 GROUND SURFACE	72.66						
	BLACKTOP/GRAVEL							
2	ML-SILT, with clay, gray	71.66		1GP				
4	END OF BOREHOLE @ 3.0ft BGS	69.66						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-31

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630638.5 EASTING: 602833.72	GROUND SURFACE 71.62						
	BLACKTOP/GRAVEL	71.12						
	ML-SILT, coarse sand							
2	ML-SILT, with clay	69.62		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	67.62						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-32

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630485.45 EASTING: 602864.91	GROUND SURFACE 72.18						
	BLACKTOP/GRAVEL							
	SM-SILTY SAND, with gravel, wood	71.18						
2				1GP				
	CL-SILTY CLAY, with fine sand, gray	69.68						
4								
	END OF BOREHOLE @ 4.0ft BGS	68.18						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-33

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630323.3 EASTING: 602900.6 GROUND SURFACE	72.05						
	BLACKTOP/GRAVEL, sand							
2	ML-CLAYEY SILT	70.55		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	68.05						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-34

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630300.85 EASTING: 602801.63	GROUND SURFACE 72.09						
	BLACKTOP/GRAVEL, coarse sand							
	ML-CLAYEY SILT, FILL layer	71.09						
2	ML-CLAYEY SILT, gray	70.09		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	68.09						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-35

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630379.43 EASTING: 602781.67 GROUND SURFACE	73.52						
	BLACKTOP/GRAVEL							
	FILL MATERIAL, silty sand	72.52						
2	CL-SILTY CLAY, gray orange	71.52		1GP				
4	ML-CLAYEY SILT	69.52						
6	- with coarse sand and gravel at 7.0ft BGS			2GP				
8	END OF BOREHOLE @ 8.0ft BGS	65.52						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-36

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630360.59 EASTING: 602707.7 GROUND SURFACE	74.81						
	BLACKTOP/GRAVEL							
2	ML-CLAYEY SILT, orange/gray	73.81		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	70.81						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-37

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630546.98 EASTING: 602850.54 GROUND SURFACE	73.24						
	BLACKTOP/GRAVEL	72.74						
2	SP/ML-SAND AND SILT, with clay, coarse grained	70.74		1GP				
	ML-CLAYEY SILT	70.24						
4	END OF BOREHOLE @ 3.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-38

PROJECT NUMBER: 17338

DATE COMPLETED: August 30, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630521.86 EASTING: 602695.62 GROUND SURFACE	73.32						
	BLACKTOP/GRAVEL	72.82						
	GP-GRAVEL, coarse sand	71.82		1GP				
2	ML-SILT, with clay	70.82						
	ML-SILT, coarse sand	70.32						
4	END OF BOREHOLE @ 3.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-39

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630241.94 EASTING: 602811.55	GROUND SURFACE 71.95						
	BLACKTOP/GRAVEL, sand							
	SM-SILTY SAND, coarse grained, black/gray	70.95		1GP				
2	CL-CLAY, with silt	70.45						
	CL-SILTY CLAY	69.95						
4	END OF BOREHOLE @ 3.0ft BGS	68.95						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-40

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630252.02 EASTING: 602919.71 GROUND SURFACE	72.45						
	BLACKTOP/GRAVEL							
	ML-CLAYEY SILT, gray	71.45						
2				1GP				
	SM-SILTY SAND, coarse grained, gray/brown	69.95 69.45						
4	CL-SILTY CLAY, gray	68.45						
	END OF BOREHOLE @ 4.0ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-41

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630301.67 EASTING: 603100.09	GROUND SURFACE 70.85						
	BLACKTOP/GRAVEL							
	SP-SAND, coarse grained, wood pieces, FILL, dark brown	69.85						
2	CL-CLAY, with silt	68.85		1GP				
	ML-CLAYEY SILT, gray	67.85						
4	END OF BOREHOLE @ 4.0ft BGS	66.85						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-42

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630320.91 EASTING: 603187.12	GROUND SURFACE 70.53						
	BLACKTOP/GRAVEL, sand							
	ML-SILT, gray	69.53						
2	CL-CLAY, with silt, gray, brown	68.53		1GP				
	ML-SILT, trace clay, gray, green	67.53 67.03						
4	END OF BOREHOLE @ 3.5ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-43

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630206.11 EASTING: 603120.09	GROUND SURFACE 69.81						
	BLACKTOP/GRAVEL, sand							
	CL-SILTY CLAY, brown	68.98		1GP				
2	ML-SILT, trace clay, green, gray	68.31						
	END OF BOREHOLE @ 2.5ft BGS	67.31						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-44

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630183.62 EASTING: 603024.72	GROUND SURFACE 70.40						
	BLACKTOP/GRAVEL, sand							
	CL-CLAY, with silt, brown/gray	69.57		1GP				
2	ML-SILT, trace clay, gray/brown	68.40 67.90						
	END OF BOREHOLE @ 2.5ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-45

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630131.16 EASTING: 602848.02 GROUND SURFACE	72.14						
	BLACKTOP/GRAVEL, sand							
	SM-SILTY SAND, medium to coarse grained, tan, brown	71.14 70.14		1GP				
2	ML-CLAYEY SILT, gray							
4	END OF BOREHOLE @ 3.5ft BGS	68.64						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-46

PROJECT NUMBER: 17338

DATE COMPLETED: September 6, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630214.79 EASTING: 602717.6 GROUND SURFACE	74.06						
	BLACKTOP/GRAVEL, sand							
	SM-SILTY SAND, with clay and gravel, coarse grained	73.06						
2	ML-SILT, trace clay, gray, brown	72.06		1GP				
	ML-SILT, with gravel, dark brown	71.06						
4	ML-SILT, trace clay, brown	70.56						
	END OF BOREHOLE @ 4.0ft BGS	70.06						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-47

PROJECT NUMBER: 17338

DATE COMPLETED: September 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629794.49 EASTING: 602936.15 GROUND SURFACE	71.89						
	BLACKTOP/GRAVEL, sand							
	CL-SILTY CLAY, gray, brown	70.89		1GP				
2		69.39						
	END OF BOREHOLE @ 2.5ft BGS							
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-48

PROJECT NUMBER: 17338

DATE COMPLETED: September 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629856.82 EASTING: 602888.35 GROUND SURFACE	71.97						
	BLACKTOP/GRAVEL, sand							
2	CL-SILTY CLAY, soft, brown	70.97		1GP				
4	END OF BOREHOLE @ 3.0ft BGS	68.97						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-49

PROJECT NUMBER: 17338

DATE COMPLETED: September 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629817.27 EASTING: 602830.82	GROUND SURFACE 72.43						
	BLACKTOP/GRAVEL, sand							
2	CL-SILTY CLAY, gray brown	70.93		1GP				
4	END OF BOREHOLE @ 3.5ft BGS	68.93						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-50

PROJECT NUMBER: 17338

DATE COMPLETED: September 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629790.37 EASTING: 602875.73 GROUND SURFACE	72.43						
	BLACKTOP/GRAVEL, sand							
	SM-SILTY SAND, with gravel, black	71.43						
2	CL-SILTY CLAY, gray, brown	70.93		1GP				
	END OF BOREHOLE @ 3.0ft BGS	69.43						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-51

PROJECT NUMBER: 17338

DATE COMPLETED: September 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629953.9 EASTING: 602435.35 GROUND SURFACE	76.13						
	BLACKTOP/GRAVEL, sand							
	SM-SILTY SAND, trace gravel, brown	75.13		1GP				
2	ML-CLAYEY SILT, gray brown	73.63						
4	END OF BOREHOLE @ 3.5ft BGS	72.63						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-52

PROJECT NUMBER: 17338

DATE COMPLETED: September 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 630053.62 EASTING: 602446.78	GROUND SURFACE 74.98						
	BLACKTOP/GRAVEL, stone							
2	ML-CLAYEY SILT, trace gravel	73.48		1GP				
4	END OF BOREHOLE @ 3.5ft BGS	71.48						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-53

PROJECT NUMBER: 17338

DATE COMPLETED: September 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629976.98 EASTING: 602358.31 GROUND SURFACE	75.06						
	BLACKTOP/GRAVEL							
2	ML-CLAYEY SILT, dark brown	73.56		1GP				
4	END OF BOREHOLE @ 3.5ft BGS	71.56						
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NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: TT-54

PROJECT NUMBER: 17338

DATE COMPLETED: September 12, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629990.87 EASTING: 602495.25 GROUND SURFACE	75.72						
	BLACKTOP/GRAVEL							
2	SP-SAND, with clay, coarse grained - with clay and gravel at 2.0ft BGS	74.22		1GP				
4	END OF BOREHOLE @ 4.0ft BGS	71.72						
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-1

PROJECT NUMBER: 17338

DATE COMPLETED: August 8, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629280.55 EASTING: 602389.17	GROUND SURFACE 80.60						
	BLACKTOP/GRAVEL							
2	SM-SILTY SAND, some gravel, fine grained, gray brown	79.60		1GP				0.0
4								
6	ML-CLAYEY SILT, brown	75.60		2GP		100.0		0.0
8								
10	CL-SILTY CLAY, gray/light brown	70.60		3GP				0.0
12								
14	CL-SILTY CLAY, gray tan	65.60						
16								
18	SP-GRAVELLY SAND, with silt, coarse grained, orange	63.60		4GP				920
20								
22	SP/GP-SAND AND GRAVEL, coarse grained, saturated	60.60		5GP		100.0		
24								
26	END OF BOREHOLE @ 25.0ft BGS	55.60						
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-2

PROJECT NUMBER: 17338

DATE COMPLETED: August 7, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629238.52 EASTING: 602383.7	GROUND SURFACE 80.64						
	BLACKTOP/GRAVEL							
2	SP-SAND, with silt, medium grained, orange	79.64		1GP				0.0
4								0.0
6	- orange/gray at 5.0ft BGS - larger gravel at 6.0ft BGS							
8	SP-SAND, with silt, coarse grained, gray, dark brown	73.64		2GP		40.0		10.5
10								
12	- strong fuel oil odor at 12.0ft BGS - with clay silt from 12.5 to 13.0ft BGS - moist at 13.0ft BGS			3GP		60.0		350
14								
16	SP/GP-SAND AND GRAVEL, trace silt, coarse grained, brown, tan - wet at 16.0ft BGS	65.64		4GP 200		100.0		130
18								
20	NO RECOVERY - CAVE IN, saturated	60.64						
22				5GP		0.0		
24								
26	END OF BOREHOLE @ 25.0ft BGS	55.64						
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL ▼

CHEMICAL ANALYSIS

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-3

PROJECT NUMBER: 17338

DATE COMPLETED: August 8, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629193.66 EASTING: 602372.59	GROUND SURFACE 81.04						
	BLACKTOP/GRAVEL	80.54						
2	ML-CLAYEY SILT, gray, fuel oil odor			1GP		90.0		15000
4	SM-SILTY SAND, with gravel	77.04						
	ML-CLAYEY SILT, orange, gray, fuel oil odor	76.04		2GP				15000
6								
8								
10	ML-CLAYEY SILT, with sand	71.04						
12	SP-SAND, with silt, coarse grained	69.04		3GP		100.0		15000
14	SP/GP-SAND AND GRAVEL, coarse grained	67.54						
	- wet at 15.0ft BGS							
16	SC-CLAYEY SAND	65.04		4GP		80.0		15000
	SP-SAND, coarse grained	64.04						
18								
20	END OF BOREHOLE @ 20.0ft BGS	61.04						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-4

PROJECT NUMBER: 17338

DATE COMPLETED: August 10, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629342.98 EASTING: 602396.98 GROUND SURFACE	80.07						
	BLACKTOP/GRAVEL							
2	ML-SANDY SILT	79.07		1GP				0.0
4								
6	CL-SILTY CLAY, trace sand	75.07		2GP				
8								
10	CL-SILTY CLAY	70.07		3GP				
12								
14	SP-SAND, with gravel, coarse grained	67.07	▼	4GP				24
16								
18								
20	END OF BOREHOLE @ 20.0ft BGS	60.07						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-5

PROJECT NUMBER: 17338

DATE COMPLETED: August 9, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629094.34 EASTING: 602357.74	GROUND SURFACE 82.78						
	GRAVEL/BLACKTOP							
2	SP-SAND, with pea gravel, some silt/clay, fine to coarse sand, orange brown	81.78		1GP				0.0
4								
6	SP/GP-SAND AND GRAVEL, with silt/clay, poorly sorted, orange, brown	77.78		2GP				0.0
8								
10	CL-SANDY CLAY, fine to medium grained, tan	73.78						
	CL-CLAY, with fine to medium sand	72.78		3GP				
12								
14	SP/GP-SAND AND GRAVEL, with clay, coarse grained, slight fuel oil odor, wet	68.28						6.0
16	CL-CLAY, with silt, trace sand/clay	67.78						18
18	SP/GP-SAND AND GRAVEL, coarse grained, saturated	65.78		4GP				27
20	END OF BOREHOLE @ 20.0ft BGS	62.78						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-6

PROJECT NUMBER: 17338

DATE COMPLETED: August 9, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629047.41 EASTING: 602334.92	GROUND SURFACE 82.30						
2	BLACKTOP/GRAVEL	81.80		1GP		40.0		0.6
4	SM/ML-SILTY SAND/SILT, coarse sand, orange							
6	SP-SAND, coarse grained, well rounded gravel, orange brown	77.30						
8	SM-SILTY SAND, coarse grained, brown/orange	75.30		2GP		100.0		0.2
10	ML-CLAYEY SILT, tan - tan/brown at 10.0ft BGS	73.30						
12				3GP		100.0		0.1
14	SP/GP-SAND AND GRAVEL, with silt/clay, coarse grained, brown - wet at 15.0ft BGS	68.30 67.30						
16	ML/GP-SANDY SILT/GRAVEL	66.30						
18	SP/GP-SAND AND GRAVEL, coarse grained, brown, wet			4GP				0.0
20	ML/CL-SANDY SILT/CLAY, fine grained, brown	63.30 62.30						
22	NO RECOVERY, saturated			5GP		0.0		
24								
26	END OF BOREHOLE @ 25.0ft BGS	57.30						
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-7

PROJECT NUMBER: 17338

DATE COMPLETED: August 9, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629000.64 EASTING: 602322	GROUND SURFACE 82.40						
	BLACKTOP/GRAVEL							
2	ML-SANDY SILT, coarse grained, orange, brown	81.40		1GP				0.0
4								
6	ML-SANDY SILT, with gravel, reddish brown	77.40		2GP				0.0
8	ML-SANDY SILT, with clay, tan	74.40						
10								
12	SP/GP-SAND AND GRAVEL, trace silt/clay, coarse grained	70.40		3GP				0.0
14								
16	- wet at 15.5ft BGS							
18	ML-CLAYEY SILT, light brown/tan	64.90		4GP				0.0
20	ML-SANDY SILT, dark brown	63.40						
20	END OF BOREHOLE @ 20.0ft BGS	62.40						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-8

PROJECT NUMBER: 17338

DATE COMPLETED: August 13, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629414.01 EASTING: 602406.46	GROUND SURFACE 79.18						
	BLACKTOP/GRAVEL							
2	ML-SILT, trace clay, tan, brown	78.18		1GP				0.4
4	- tan, orange at 5.0ft BGS							
6	SP-SAND, with clay and silt, medium grained, gray brown	73.18		2GP				0.1
8								
10	CL-SILTY CLAY, trace coarse sand, light gray, tan	69.18						
12	SP-SAND, with gravel/quartz fragments, trace silt/clay, coarse grained, gray white	67.18		3GP				0.1
14								
16	- wet at 15.0ft BGS	64.18						
18	SP/GP-SAND AND GRAVEL, trace silt/clay, coarse grained, orange, saturated			4GP				
20	END OF BOREHOLE @ 20.0ft BGS	59.18						
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-9

PROJECT NUMBER: 17338

DATE COMPLETED: September 11, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629479.13 EASTING: 602417.84	GROUND SURFACE 78.49						
	BLACKTOP/GRAVEL/SAND							
2	ML-SILT, trace clay, gray	76.99		1GP				0.0
	CL-CLAY, with silt, orange	76.49						
	ML-SILT, trace clay, orange	75.49						
	- gray/orange at 4.0ft BGS							
4	GP-GRAVEL, fine sand, gray	73.99 73.49		2GP				0.0
	ML-SILT, with gravel, trace clay, orange	72.49						
	SP/GP-SAND AND GRAVEL, with clay, coarse grained, brown	71.99						
8	CL-CLAY, with coarse sand and gravel, tan, gray							
10	- tan, brown at 10.0ft BGS			3GP				
	SM-SILTY SAND, coarse grained	67.99 67.49						
12	SP-SAND, with clay, coarse grained, orange/tan							
	SP/GP-SAND AND GRAVEL, fine grained, white	64.99 64.49 63.99						
14	ML-CLAYEY SILT, trace sand			4GP				
16	END OF BOREHOLE @ 14.5ft BGS							
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: VAS-10

PROJECT NUMBER: 17338

DATE COMPLETED: September 11, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629566.3 EASTING: 602413.27 GROUND SURFACE	78.11						
	BLACKTOP/GRAVEL/SAND							
2	CL-SILTY CLAY, with sand, brown	76.61		1GP				0.0
4								
6	SP/GP-SAND AND GRAVEL, with clay, coarse grained, tan	72.61		2GP				
8								
10	SC/GC-CLAYEY SAND AND GRAVEL, coarse grained, brown	68.11		3GP				
12								
14	SP-SAND, trace silt, coarse grained ,gray, tan - wet at 14.0ft BGS	65.11						
16	END OF BOREHOLE @ 15.0ft BGS	63.11						
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: SG-1

PROJECT NUMBER: 17338

DATE COMPLETED: August 14, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629285.1 EASTING: 602387.9 GROUND SURFACE	80.46						
	BLACKTOP/GRAVEL							
2	ML-SANDY SILT, with clay, gray/brown	79.46		1GP				0.2
4								
6								
8				2GP				
10	END OF BOREHOLE @ 10.0ft BGS	70.46						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: SG-2

PROJECT NUMBER: 17338

DATE COMPLETED: August 14, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629194.9 EASTING: 602374.4	GROUND SURFACE 80.99						
	BLACKTOP/GRAVEL							
2	ML-SANDY SILT, with clay	79.99		1GP				150
4								
6								
8				2GP				180
10	END OF BOREHOLE @ 10.0ft BGS	70.99						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: SG-3

PROJECT NUMBER: 17338

DATE COMPLETED: August 14, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629096.7 EASTING: 602357.5 GROUND SURFACE	82.76						
	BLACKTOP/GRAVEL							
2	SP/GP-SAND AND GRAVEL, with silt and clay, brown/orange	81.76		1GP				0.0
4								
6								
8				2GP				0.0
10	END OF BOREHOLE @ 10.0ft BGS	72.76						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: SG-4

PROJECT NUMBER: 17338

DATE COMPLETED: August 14, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629002.9 EASTING: 602323.8 GROUND SURFACE	82.35						
	BLACKTOP/GRAVEL							
2	ML-SANDY SILT, with gravel and clay, coarse grained, orange	81.35		1GP				0.0
4								
6								
8				2GP				0.0
10	END OF BOREHOLE @ 10.0ft BGS	72.35						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: SG-5

PROJECT NUMBER: 17338

DATE COMPLETED: August 14, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	BOREHOLE	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629385.5 EASTING: 602402.2 GROUND SURFACE	79.57						
	BLACKTOP/GRAVEL							
2	ML-SILT, with coarse sand, tan, orange	78.57		1GP				0.0
4								
6								
8				2GP				0.0
10	END OF BOREHOLE @ 10.0ft BGS	69.57						
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								
32								
34								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW-33

PROJECT NUMBER: 17338

DATE COMPLETED: August 22, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe/ HSA

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 628660.36 EASTING: 601174.4	GROUND SURFACE 83.56						
2	ML-CLAYEY SILT, brown		PORTLAND CEMENT HYDRATED BENTONITE CHIPS 1"Ø PVC RISER 6-1/4" Ø BOREHOLE 1"Ø STAINLESS STEEL WELL SCREEN SAND PACK	1GP				
4								
6	ML-CLAYEY SILT, with sand and gravel, brown	78.56		2GP				
8								
10								
12				3GP				
14								
16	ML-SILT, with clay	68.56		4GP				
18								
20	END OF BOREHOLE @ 20.0ft BGS	63.56						
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS

Screened interval:

73.56 to 63.56ft

10.00 to 20.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: Stainless Steel

Seal:

83.06 to 75.56ft

0.50 to 8.00ft BGS

Material: Hydrated Bentonite Chips

Sand Pack:

75.56 to 63.56ft

8.00 to 20.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW-34

PROJECT NUMBER: 17338

DATE COMPLETED: August 27, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe/ HSA

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (ft)	'N' VALUE
	NORTHING: 628607.1 EASTING: 601454.15	GROUND SURFACE 84.28					
2	ML-CLAYEY SILT		PORTLAND CEMENT HYDRATED BENTONITE CHIPS	1GP			
4	- with increase in gravel at 5.0ft BGS		1"Ø PVC RISER				
6				2GP			
8			6-1/4" Ø BOREHOLE				
10	- with coarse sand and gravel at 10.0ft BGS		1"Ø STAINLESS STEEL WELL SCREEN	3GP			
12			SAND PACK				
14							
16	ML-SILT, with clay	69.28		4GP			
18							
20	END OF BOREHOLE @ 20.0ft BGS	64.28					
22							
24							
26							
28							
30							
32							
34							

WELL DETAILS
 Screened interval:
 74.28 to 64.28ft
 10.00 to 20.00ft BGS
 Length: 10ft
 Diameter: 1in
 Slot Size: 0.010
 Material: Stainless Steel
 Seal:
 83.78 to 76.28ft
 0.50 to 8.00ft BGS
 Material: Hydrated Bentonite
 Chips
 Sand Pack:
 76.28 to 64.28ft
 8.00 to 20.00ft BGS
 Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
 STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW-35

PROJECT NUMBER: 17338

DATE COMPLETED: September 12, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe/ HSA

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	PID (ppm)
	NORTHING: 629782.28 EASTING: 603010.31	GROUND SURFACE 71.95						
2	BLACK TOP	71.45	PORTLAND CEMENT HYDRATED BENTONITE CHIPS	1GP				0.0
	NO RECOVERY	70.95	1"Ø PVC RISER					
4	ML-CLAYEY SILT, gray							
6	SP/GP-SAND AND GRAVEL, with clay, coarse grained, brown	65.95	6-1/4" Ø BOREHOLE	2GP				0.0
8	SP-SAND, coarse grained, orange	63.45						
10	SP/GP-SAND AND GRAVEL, with clay, coarse grained, gray	62.95	1"Ø STAINLESS STEEL WELL SCREEN					11.0
12	SP-SAND, coarse grained - saturated at 11.0ft BGS	61.45	SAND PACK	3GP				0.0
14								
16				4GP				
18	END OF BOREHOLE @ 18.0ft BGS	53.95						
20								
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS

Screened interval:

63.95 to 53.95ft

8.00 to 18.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: Stainless Steel

Seal:

71.45 to 65.95ft

0.50 to 6.00ft BGS

Material: Hydrated Bentonite
Chips

Sand Pack:

65.95 to 51.95ft

6.00 to 20.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 2

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW-36D

PROJECT NUMBER: 17338

DATE COMPLETED: September 13, 2012

CLIENT: RACER Trust

DRILLING METHOD: HSA

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629201.78 EASTING: 602374.5	GROUND SURFACE 81.07						
2	ML-CLAYEY SILT, with sand		PORTLAND CEMENT HYDRATED BENTONITE CHIPS	1GP				
4			1"Ø PVC RISER					
6	ML-CLAYEY SILT	76.07		2GP				
8								
10	ML/SP-CLAYEY SILT TO SAND, and gravel, coarse grained	71.07		3GP				
12								
14								
16	SC-CLAYEY SAND, coarse grained	66.07		4GP				
18								
20	SP/SM-SAND/SILT, saturated	61.07						
22								
24								
26								
28				5GP				
30								
32								
34			6-1/4" Ø	6GP				

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 2 of 2

PROJECT NAME: Remedial Investigation

PROJECT NUMBER: 17338

CLIENT: RACER Trust

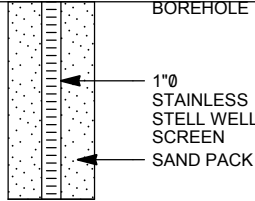
LOCATION: Wilmington, Delaware

HOLE DESIGNATION: MW-36D

DATE COMPLETED: September 13, 2012

DRILLING METHOD: HSA

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
36			 BOREHOLE 1"Ø STAINLESS STEEL WELL SCREEN SAND PACK	7GP				
38								
40	END OF BOREHOLE @ 40.0ft BGS	41.07						
42			<u>WELL DETAILS</u> Screened interval: 46.07 to 41.07ft 35.00 to 40.00ft BGS Length: 5ft Diameter: 1in Slot Size: 0.010 Material: Stainless Steel Seal: 80.57 to 48.07ft 0.50 to 33.00ft BGS Material: Hydrated Bentonite Chips Sand Pack: 48.07 to 41.07ft 33.00 to 40.00ft BGS Material: Sand					
44								
46								
48								
50								
52								
54								
56								
58								
60								
62								
64								
66								
68								

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338.WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW-36S

PROJECT NUMBER: 17338

DATE COMPLETED: August 28, 2012

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe/ HSA

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE			
				NUMBER	INTERVAL	REC (ft)	'N' VALUE
	NORTHING: 629189.81 EASTING: 602373.12	GROUND SURFACE 81.15					
2	ML-CLAYEY SILT, with sand		PORTLAND CEMENT HYDRATED BENTONITE CHIPS	1GP			
4			1"Ø PVC RISER				
6	ML-CLAYEY SILT, orange/gray	76.15		2GP			
8							
10	ML/SP-CLAYEY SILT TO SAND, and gravel, coarse grained	71.15		3GP			
12			6-1/4" Ø BOREHOLE				
14							
16	SC-CLAYEY SAND, coarse grained	66.15	1"Ø STAINLESS STELL. WELL SCREEN	4GP			
18			SAND PACK				
20	END OF BOREHOLE @ 20.0ft BGS	61.15					
22							
24							
26							
28							
30							
32							
34							

WELL DETAILS

Screened interval:

68.15 to 58.15ft

13.00 to 23.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: Stainless Steel

Seal:

80.65 to 70.15ft

0.50 to 11.00ft BGS

Material: Hydrated Bentonite

Chips

Sand Pack:

70.15 to 58.15ft

11.00 to 23.00ft BGS

Material: Sand

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
STATIC WATER LEVEL ▼

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

PROJECT NUMBER: 17338

CLIENT: RACER Trust

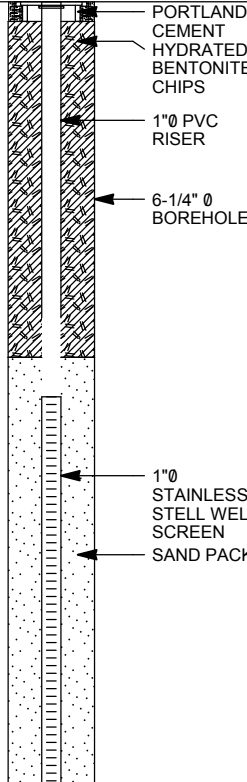
LOCATION: Wilmington, Delaware

HOLE DESIGNATION: MW-37

DATE COMPLETED: October 22, 2012

DRILLING METHOD: Geoprobe

FIELD PERSONNEL: M. Mylet

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
	NORTHING: 629520.73 EASTING: 602407.04 GROUND SURFACE	78.38						
2	CL-SILTY CLAY, with sand			1GP				
4								
6	SP-SAND, with gravel, coarse grained	73.38		2GP				
8								
10	SP-SAND, with clay, some gravel, coarse grained	68.38		3GP				
12								
14	- wet at 14.0ft BGS							
16	SP-SAND, with silt and clay, coarse grained	63.38		4GP				
18								
20	END OF BOREHOLE @ 20.0ft BGS	58.38						
22								
24								
26								
28								
30								
32								
34								

WELL DETAILS

Screened interval:

68.38 to 58.38ft

10.00 to 20.00ft BGS

Length: 10ft

Diameter: 1in

Slot Size: 0.010

Material: PVC

Seal:

77.88 to 69.38ft

0.50 to 9.00ft BGS

Material: Hydrated Bentonite
Chips

Sand Pack:

69.38 to 58.38ft

9.00 to 20.00ft BGS

Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

OVERBURDEN LOG 017338-WI.GPJ CRA CORP.GDT 4/16/14



STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Remedial Investigation

HOLE DESIGNATION: MW-48

PROJECT NUMBER: 17338

DATE COMPLETED: October 23, 2014

CLIENT: RACER Trust

DRILLING METHOD: Geoprobe 6620DT

LOCATION: Wilmington, Delaware

FIELD PERSONNEL: R. Mehalic

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	'N' VALUE	
0.50	ASPHALT	0.50	CEMENT PAD	1HA		40.0		
1.00	SM-SILTY SAND, brown	1.00	BENTONITE FLAKES					
1.50	SP/CL-SAND/CLAY, black/gray	1.50	2" PVC WELL CASING					
1.67	SP-SAND, medium grained, light brown	1.67	2" PVC WELL SCREEN					
4.00	CL-CLAY, gray/green, with mottling	5.00	SAND PACK	2HA		60.0		
6.00	CL-CLAY, gray	6.50						
8.00	SP-SAND, with rounded white pebbles to 3/4", medium grained, brown							
8.50	- wet at 8.5ft BGS							
10.00	END OF BOREHOLE @ 10.0ft BGS	10.00						
12.00								
14.00								
16.00								
18.00								
20.00								
22.00								
24.00								
26.00								
28.00								
30.00								
32.00								
34.00								

WELL DETAILS

Screened interval:

6.00 to 16.00ft BGS

Length: 10ft

Diameter: 2in

Slot Size: 0.010

Material: PVC

Seal:

1.00 to 6.00ft BGS

Material: BENTONITE FLAKES

Sand Pack:

6.00 to 16.00ft BGS

Material: SAND

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

STATIC WATER LEVEL ▼ 8.7

OVERBURDEN LOG 017338-WI.GPJ CRA_CORP.GDT 12/18/14