

## **Appendix E**

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### **Boring and Test Pit Logs**



URS Diamond			TEST PIT LOG	
			SHEET: 1 of 1	
PROJECT:		Rochester Driving Park		JOB NUMBER:
CLIENT:		DuPont		LOCATION: Rochester Driving Park
CONTRACTOR:		Nothnagle		GROUND ELEVATION: 505.31 ft AMSL
DATE STARTED:		8/26/2008		OPERATOR: Steve Lorante
DATE COMPLETED:		8/26/2008		GEOLOGIST: Craig Taylor
PIT NUMBER:		TP-L05		GROUND WATER: Dry
DEPTH FEET	SAMPLE		DESCRIPTION	
	No.	Type		
			West	East
1			Fill: silt and clay fill with brick, brown, dry.	
2	TP-L05 Fill	TAL/TCL and PFOA	~1.5' bgs	
3			Native Soil: brown, silt and clay, dry.	
4				
5	TP-L05 Native	TAL/TCL and PFOA	Approximate line between fill and native.	
6			~3' bgs	
7			Bottom of Test Pit	
8				
COMMENTS: Test pit excavated with JCB rubber-tire backhoe model 1400B. Test pit was 10' long x 6.0' deep x 2' wide. * Samples submitted for analyses. TP-L05 (Fill) - 2.0' bgs. (TCL @ 9:55am, PFOA & TAL @ 12:05pm) TP-L05 (Native) - 5.5' bgs. (TCL @ 10:05am, PFOA & TAL @ 12:10pm)				

URS Diamond			TEST PIT LOG		
			SHEET: 1 of 1		
PROJECT:		Rochester Driving Park		JOB NUMBER:	
CLIENT:		DuPont		LOCATION: Rochester Driving Park	
CONTRACTOR:		Nothnagle		GROUND ELEVATION: 504.76 ft AMSL	
DATE STARTED:		8/26/2008		OPERATOR: Steve Lorante	
DATE COMPLETED:		8/26/2008		GEOLOGIST: Craig Taylor	
PIT NUMBER:		TP-L07		GROUND WATER: Dry	
DEPTH FEET	SAMPLE		DESCRIPTION		
	No.	Type			
1	TP-L07 Fill	TAL/TCL and PFOA	Fill: sand, with silt and gravel, dry.		
2			Two remnant foundation piers, topped with steel plates, observed at ~1.0 feet bgs. Bottom depth of piers not determined.		
3			Silty clay with gravel, brown, dry.		
4					
5	TP-L07 Native	TAL/TCL and PFOA	Bottom of Test Pit		
6					
7					
8					
COMMENTS: Test pit excavated with JCB rubber-tire backhoe model 1400B. Test pit was 20' long x 5.0' deep x 2' wide. * Samples submitted for analyses. TP-L07 (Fill) - 0-2' bgs. (TCL @ 10:33am, PFOA & TAL @ 11:25pm) TP-L07 (Native) - 4-5' bgs. (TCL @ 10:40am, PFOA & TAL @ 11:35pm)					



URS Diamond			TEST PIT LOG	
			SHEET: 1 of 1	
PROJECT:		Rochester Driving Park		JOB NUMBER:
CLIENT:		DuPont		LOCATION: Rochester Driving Park
CONTRACTOR:		Nothnagle		GROUND ELEVATION: 504.68 ft AMSL
DATE STARTED:		8/27/2008		OPERATOR: Steve Lorante
DATE COMPLETED:		8/27/2008		GEOLOGIST: Craig Taylor
PIT NUMBER:		TP-L08		GROUND WATER: Dry

DEPTH FEET	SAMPLE		DESCRIPTION
	No.	Type	
1			Fill: Gravel with sand and silt, dry, black (charred organics/wood), brown and gray. 
2			
3	TP-L08 Fill	TAL/TCL and PFOA	
4			Native: silty clay, with little sand and gravel, reddish brown, stiff, dry. 
5			
6	TP-L08 Native	TAL/TCL and PFOA	
7			Bottom of Test Pit
8			

COMMENTS: Test pit excavated with JCB rubber-tire backhoe model 1400B.  
 Test pit was ~8' long x 6.5' deep (at maximum) x ~2.0' wide.  
 \* Samples submitted for analyses.  
     TP-L08 (Fill) - 3.0' bgs. (TAL/TCL & PFOA with MS & MSD @ 13:14pm)  
     TP-L08 (Native) - 6.0' bgs. (TAL/TCL & PFOA @ 13:25pm)

URS Diamond			TEST PIT LOG	
			SHEET: 1 of 1	
PROJECT:		Rochester Driving Park		JOB NUMBER:
CLIENT:		DuPont		LOCATION: Rochester Driving Park
CONTRACTOR:		Nothnagle		GROUND ELEVATION: 504.44 ft AMSL
DATE STARTED:		8/27/2008		OPERATOR: Steve Lorante
DATE COMPLETED:		8/27/2008		GEOLOGIST: Craig Taylor
PIT NUMBER:		TP-L09		GROUND WATER: Dry


  

DEPTH FEET	SAMPLE		DESCRIPTION
	No.	Type	
1			Fill: gravel, sand, silt, reddish brown to brown and gray, with charred organics (predominantly wood). Approximately 0.5' of blackened charred debris from 4.0 to 4.5' bgs, dry. 
2			
3			
4			
5	TP-L09 Fill	TAL/TCL and PFOA	Native: silty clay, with little sand and gravel, reddish brown, stiff, dry. 
6			
7	TP-L09 Native	TAL/TCL and PFOA	
8			Bottom of Test Pit

COMMENTS: Test pit excavated with JCB rubber-tire backhoe model 1400B.  
 Test pit was ~10' long x 7.5' deep (at maximum) x ~2.0' wide.  
 \* Samples submitted for analyses.  
     TP-L09 (Fill) - 4.5' bgs. (TAL/TCL & PFOA @ 14:00pm)  
     TP-L09 (Native) - 7.0' bgs. (TAL/TCL & PFOA @ 14:13pm)



URS Diamond			TEST PIT LOG	
			SHEET: 1 of 1	
PROJECT:		Rochester Driving Park		JOB NUMBER:
CLIENT:		DuPont		LOCATION: Rochester Driving Park
CONTRACTOR:		Nothnagle		GROUND ELEVATION: 495.17 ft AMSL
DATE STARTED:		8/27/2008		OPERATOR: Steve Lorante
DATE COMPLETED:		8/27/2008		GEOLOGIST: Craig Taylor
PIT NUMBER:		TP-L15		GROUND WATER: Dry
DEPTH FEET	SAMPLE		DESCRIPTION	
	No.	Type		
1			Fill: (0.0 to 1.5' bgs) gravel and sand, gray, over entire length of TP. Blackened fill (1.5 to 3.5' bgs) on western 1/2 of TP (eastern 1/2 of TP below 1.5' is native).	
2				
3	TP-L15 Fill	TAL/TCL and PFOA		
4			Native: silty clay, with little sand and gravel, dry, tan to reddish brown, stiff, slightly moist.	
	TP-L15 Native	TAL/TCL and PFOA		
5			Bottom of Test Pit 	
6				
7				
8				

COMMENTS: Test pit excavated with JCB rubber-tire backhoe model 1400B.  
 Test pit was ~10' long x 4.5' deep (at maximum) x ~2.0' wide.  
 \* Samples submitted for analyses.  
     TP-L15 (Fill) - 3.0' bgs. (TAL/TCL & PFOA @ 14:45pm)  
     TP-L15 (Native) - 4.0' bgs. (TAL/TCL & PFOA @ 15:00pm)

## **Appendix F**

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### **Monitoring Well Construction Diagrams**

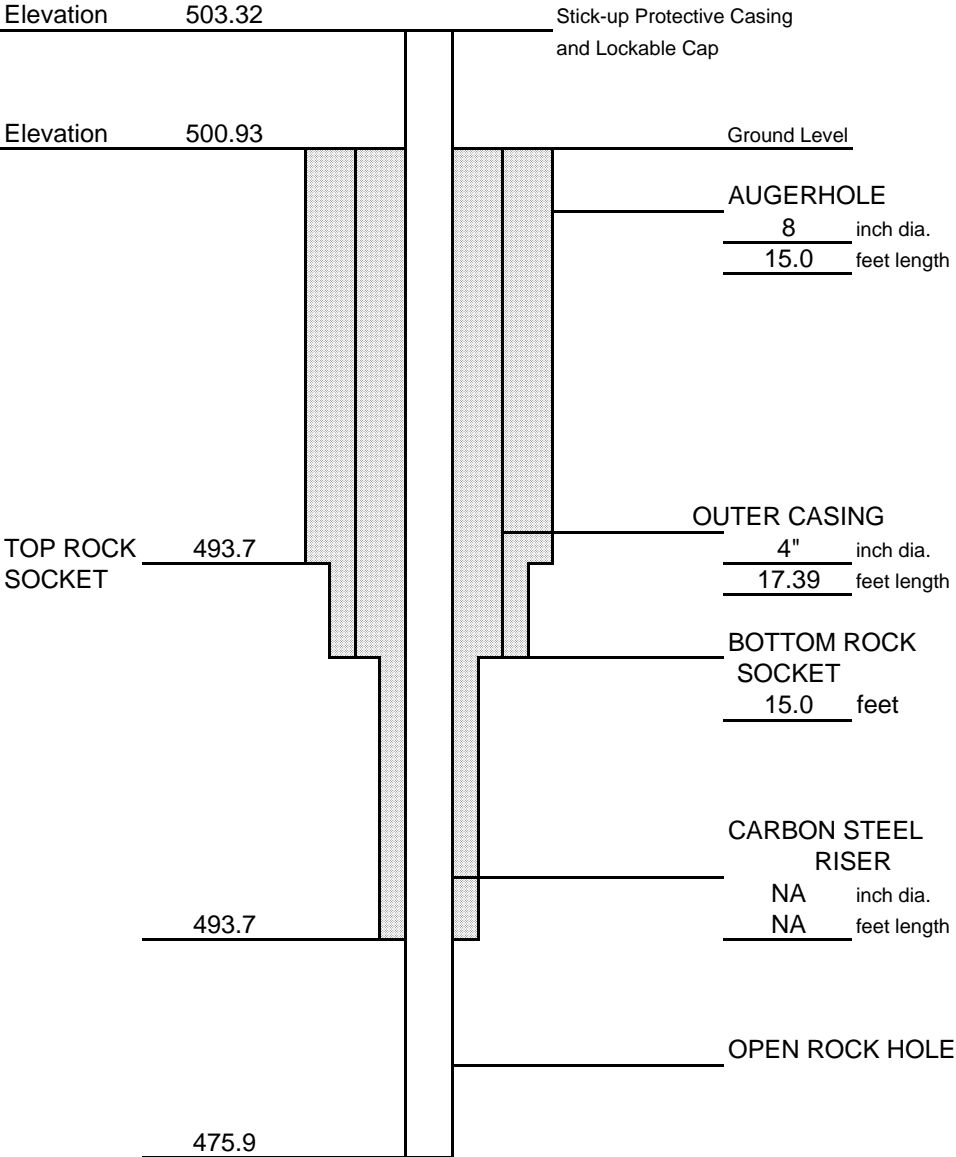


DRILLING SUMMARY	
Geologist: Craig Taylor Dan Sheldon	
Drilling Company:	
Nothnagle Drilling	
Driller: Steve Lorente	
Rig Make/Model: CME 85 - Truck Mounted	
Date: 7/19/2008 - 8/25/2008	


GEOLOGIC LOG	
Depth(ft.)	Description
	See boring log.

WELL DESIGN

D  
E  
P  
T  
H  
(ft)



Not to Scale

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface:	4-inch steel stick-up	Type:	Open Rock Hole	Type: None	Setting:
				SEAL MATERIAL	
Well:	4-inch ID carbon steel			Type: None	Setting:
Monitor:	open rock hole				
COMMENTS:		ROCK CORING		LEGEND	
		Cored Interval:	15.0-25.0'		Cement/Bentonite Grout
		Core Diameter:	1 7/8"		
		Reamed Diameter:	3 7/8"		
Client: DuPont CRG		Location: Rochester Driving Park		Project No.: 502482 / 18984735	
URS Diamond		BEDROCK MONITORING WELL CONSTRUCTION DETAILS		Well Number: MW-2	

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:

Nothnagle Drilling

Driller:  
Steve Lorente

Rig Make/Model:  
CME 85 - Truck Mounted

Date:  
8/13/2008 - 8/14/2008

GEOLOGIC LOG

Depth(ft.) Description

See boring log.

D  
E  
P  
T  
H  
(ft)

Elevation 508.49

Stick-up Protective Casing  
and Lockable Cap

Elevation 506.13

Ground Level

AUGERHOLE

8 inch dia.  
14.5 feet length

OUTER CASING

4" inch dia.  
16.86 feet length

BOTTOM ROCK  
SOCKET

14.5 feet

CARBON STEEL  
RISER

NA inch dia.  
NA feet length

OPEN ROCK HOLE

481.6

WELL DESIGN

Not to Scale

CASING MATERIAL

SCREEN MATERIAL

FILTER MATERIAL

Surface: 4-inch steel stick-up

Well: 4-inch ID carbon steel

Monitor: open rock hole

Type: Open Rock Hole

Type: None Setting:

SEAL MATERIAL

Type: None Setting:

COMMENTS:

ROCK CORING

Cored Interval: 14.5-24.5'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

 Cement/Bentonite Grout

Client: DuPont CRG

Location: Rochester Driving Park

Project No.: 502482 / 18984735

URS Diamond

BEDROCK MONITORING WELL  
CONSTRUCTION DETAILS

Well Number: MW-3

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:

Nothnagle Drilling

Driller:  
Steve Lorente

Rig Make/Model:  
CME 85 - Truck Mounted

Date:  
8/15/2008-8/18/2008

GEOLOGIC LOG

Depth(ft.) Description

See boring log.

D  
E  
P  
T  
H  
(ft)

Elevation 508.38

Stick-up Protective Casing  
and Lockable Cap

Elevation 505.84

Ground Level

AUGERHOLE  
8 inch dia.  
15.0 feet length

TOP ROCK  
SOCKET 496.3

OUTER CASING  
4" inch dia.  
17.54 feet length

BOTTOM ROCK  
SOCKET  
15.0 feet

CARBON STEEL  
RISER  
NA inch dia.  
NA feet length

OPEN ROCK HOLE

480.8

WELL DESIGN

Not to Scale

CASING MATERIAL

SCREEN MATERIAL

FILTER MATERIAL

Surface: 4-inch steel stick-up

Type: Open Rock Hole

Type: None Setting:

Well: 4-inch ID carbon steel

SEAL MATERIAL

Type: None Setting:

Monitor: open rock hole

COMMENTS:

ROCK CORING

Cored Interval: 15.0-25.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

 Cement/Bentonite Grout

Client: DuPont CRG

Location: Rochester Driving Park

Project No.: 502482 / 18984735

URS Diamond

BEDROCK MONITORING WELL  
CONSTRUCTION DETAILS

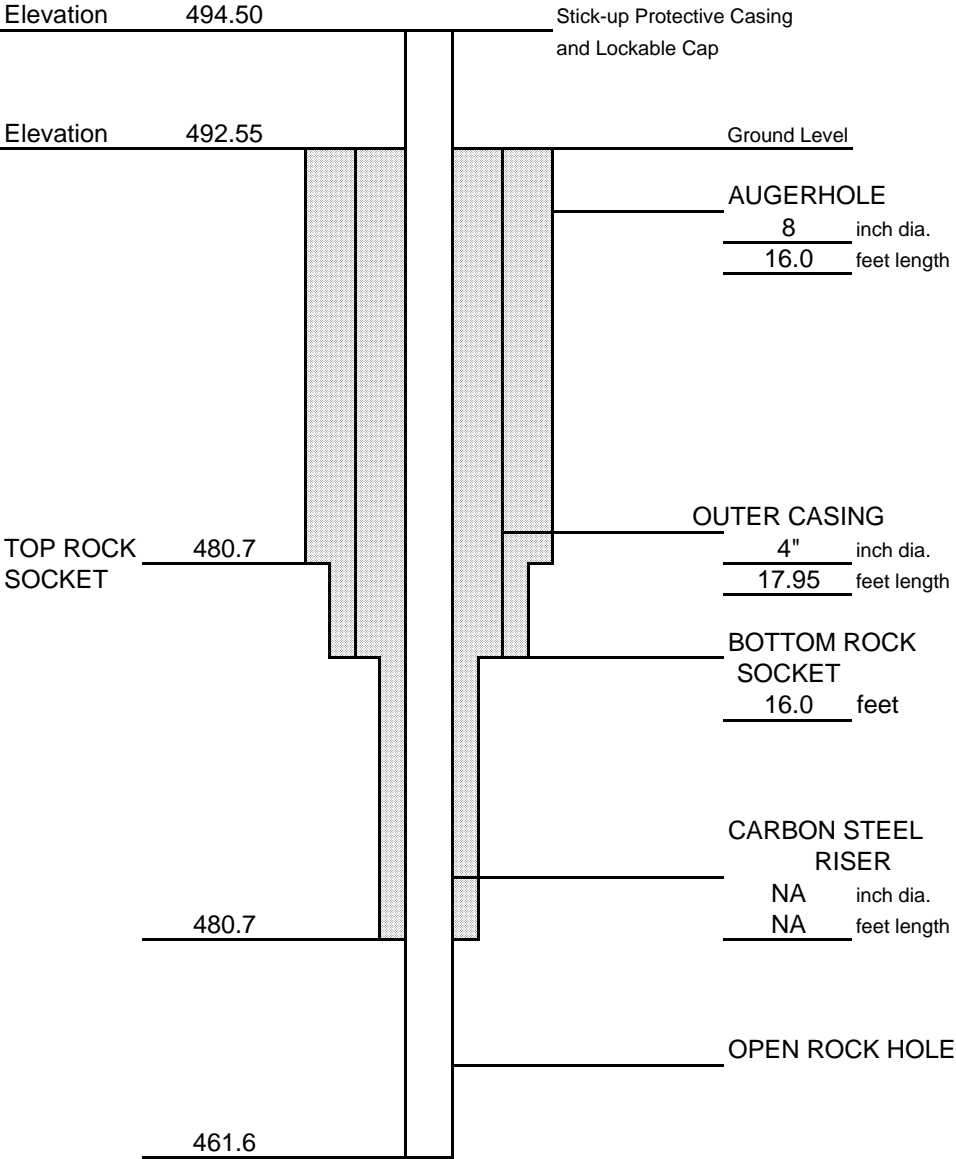
Well Number: MW-4

DRILLING SUMMARY	
Geologist: Dan Sheldon Craig Taylor	
Drilling Company:	
Nothnagle Drilling	
Driller:	
Steve Lorente	
Rig Make/Model:	
CME 85 - Truck Mounted	
Date:	
8/15/2008-8/26/2008	

GEOLOGIC LOG	
Depth(ft.)	Description
	See boring log.

WELL DESIGN

D  
E  
P  
T  
H  
(ft)



Not to Scale

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL		
Surface: 4-inch steel stick-up	Well: 4-inch ID carbon steel	Monitor: open rock hole	Type: Open Rock Hole	Type: None                      Setting:		
				SEAL MATERIAL Type: None                      Setting:		
COMMENTS:			ROCK CORING		LEGEND	
			Cored Interval: 16.0-31.0'		<div></div> Cement/Bentonite Grout	
			Core Diameter: 1 7/8"			
			Reamed Diameter: 3 7/8"			
Client: DuPont CRG			Location: Rochester Driving Park		Project No.: 502482 / 18984735	
URS Diamond			BEDROCK MONITORING WELL CONSTRUCTION DETAILS		Well Number: MW-5	

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:

Nothnagle Drilling

Driller:  
Steve Lorente

Rig Make/Model:  
CME 85 - Truck Mounted

Date:  
8/19/2008-8/25/2008

GEOLOGIC LOG

Depth(ft.)    Description

See boring log.

D  
E  
P  
T  
H  
(ft)

Elevation      507.85

Stick-up Protective Casing  
and Lockable Cap

Elevation      505.37

Ground Level

AUGERHOLE  
8 inch dia.  
15.0 feet length

TOP ROCK  
SOCKET      490.4

OUTER CASING  
4" inch dia.  
17.48 feet length

BOTTOM ROCK  
SOCKET  
15.0 feet

CARBON STEEL  
RISER  
NA inch dia.  
NA feet length

OPEN ROCK HOLE

480.4

WELL DESIGN

Not to Scale

CASING MATERIAL

SCREEN MATERIAL

FILTER MATERIAL

Surface: 4-inch steel stick-up

Type: Open Rock Hole

Type: None      Setting:

Well: 4-inch ID carbon steel

SEAL MATERIAL

Type: None      Setting:

Monitor: open rock hole

COMMENTS:

ROCK CORING

Cored Interval: 15.0-25.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

 Cement/Bentonite Grout

Client: DuPont CRG

Location: Rochester Driving Park

Project No.: 502482 / 18984735

URS Diamond

BEDROCK MONITORING WELL  
CONSTRUCTION DETAILS

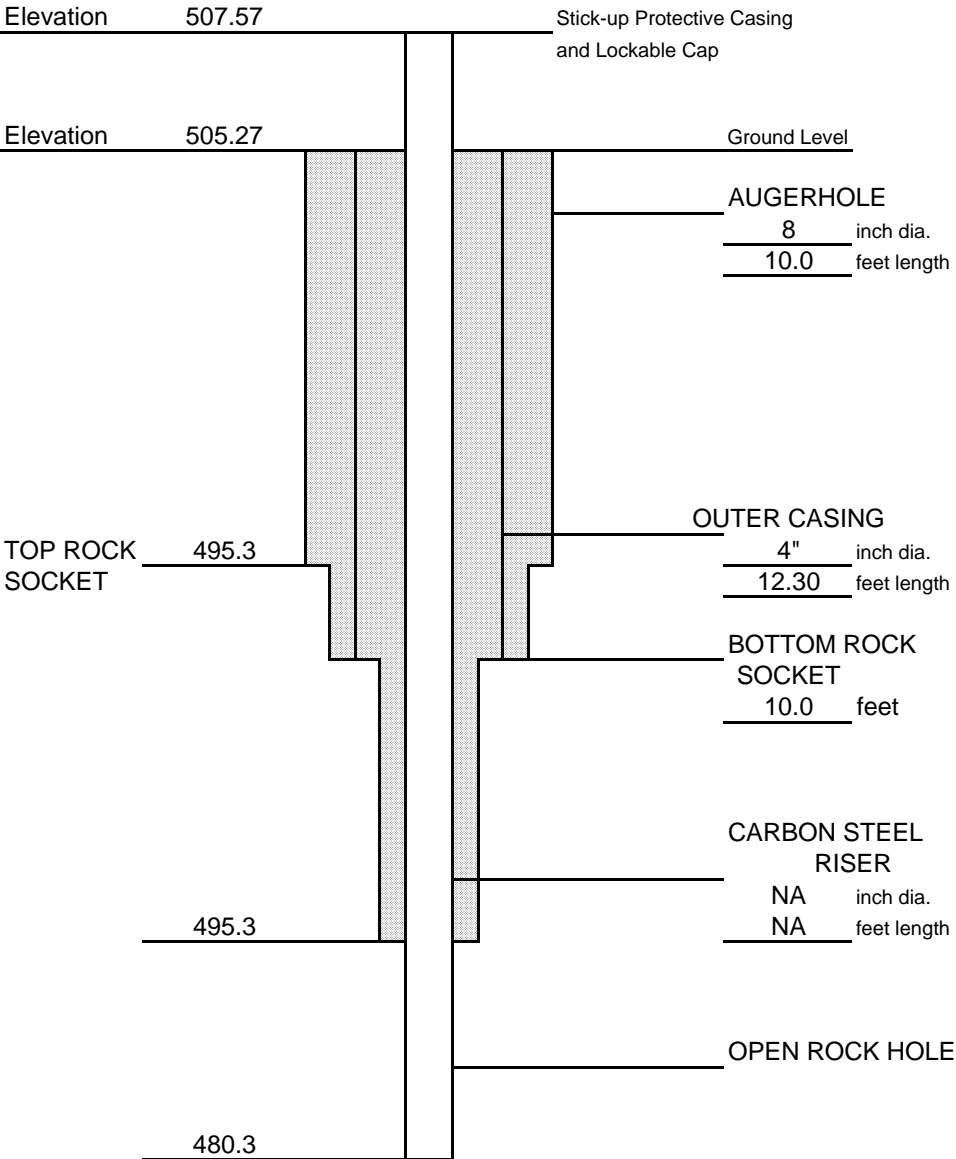
Well Number: MW-6

DRILLING SUMMARY	
Geologist: Dan Sheldon	
Drilling Company:	
Nothnagle Drilling	
Driller:	
Steve Lorente	
Rig Make/Model:	
CME 85 - Truck Mounted	
Date:	
8/14/2008-8/18/2008	


GEOLOGIC LOG	
Depth(ft.)	Description
	See boring log.

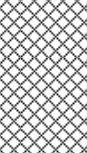

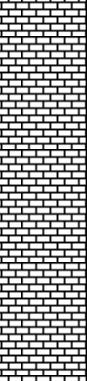
WELL DESIGN

D  
E  
P  
T  
H  
(ft)

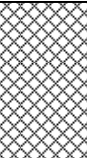

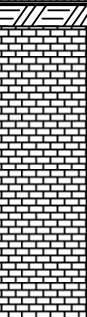
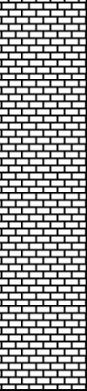

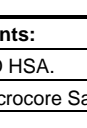




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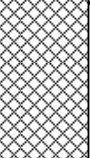
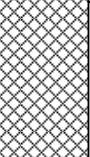

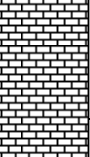
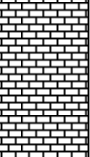
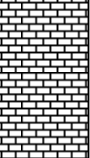
CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL	
Surface: 4-inch steel stick-up	Well: 4-inch ID carbon steel	Monitor: open rock hole	Type: Open Rock Hole	Type: None	Setting:
				SEAL MATERIAL	
				Type: None	Setting:
COMMENTS:			ROCK CORING	LEGEND	
			Cored Interval: 114.0-124.0'		Cement/Bentonite Grout
			Core Diameter: 1 7/8"		
			Reamed Diameter: 3 7/8"		
Client: DuPont CRG			Location: Rochester Driving Park	Project No.: 502482 / 18984735	
URS Diamond			BEDROCK MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-7	

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: MW-02			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION: N1161021.55 / E1397826.84			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 500.93				
DATE	TIME	LEVEL	TYPE	TYPE	6 1/4"		NX		DATE STARTED: 07/19/08				
				DIA.	HSA		2.5" ID		DATE FINISHED: 08/25/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Craig Taylor / Dan Sheldon				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			45%	Tan		Fill: gravel, buried insulation, sand, dry to slightly moist.		0.0	Collected sample 1.0-3.0' (fill) at 11:45, with MS/MSD No native sample.		
5		S-2			85%			As above 4.0-6.0'.		0.0			
		S-3			95%			As above 6.0-7.2'.		0.0			
10								Refusal at 7.2' bgs.		NR			
15								Auger through weathered bedrock to 15.0' bgs.					
20		C-1			REC 100% RQD 8%	Gray		Dolostone: 15.0-25.0', gray, highly fracture, few high angle or weathered fractures.		0.0	Approximately 15 minutes to complete core run #1.  Removed 50 gallons after coring.		
25													
30								End of boring at 25.0' bgs.					
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using 6 1/4" ID HSA.										PROJECT NO. 507463 / 18983731			
MC: Macrocore Sampler.										BORING NO. MW-02			



URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: MW-3			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION: N1160439.08 / E1397667.48			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 506.13				
DATE	TIME	LEVEL	TYPE	TYPE	6 1/4"		HQ		DATE STARTED: 08/12/08				
				DIA.	HSA		2.5" ID		DATE FINISHED: 08/14/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1						Gravel: 0.0-1.0' bgs, dry.		0.0	Collected sample 2.0-4.0' (native) at 11:00 am. No fill sample.		
								Silt: 1.0-4.0', tan, dry.					
5		S-2						Clayey Silt: 4.0-6.2', dense, dry.		0.0			
10								Sampler refusal at 6.2' bgs		NR			
15		C-1				Gray		Dolostone: 14.5-24.5', shaley, dolostone, broken, horizontal and oblique fractures through out, increasing between 21.0-24.5'.		0.0	Approximately 15 minutes to complete core run #1.  Lost ~8-10 gallons of water.		
20													
25								End of boring at 24.5' bgs.					
30													
35													

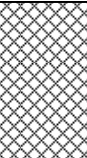
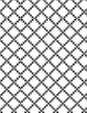
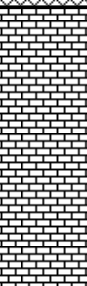
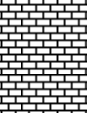
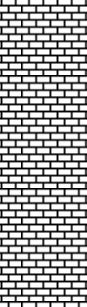



Comments: Boring advanced with truck-mounted CME-85 drill rig using										PROJECT NO. 507463 / 18983731			
6 1/4" ID HSA.										BORING NO. MW-3			
MC: Macrocore Sampler.													

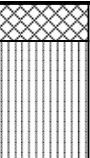
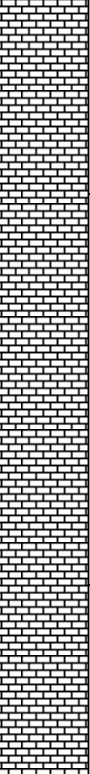
URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: MW-4			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION: N1160778.54 / E1397569.86			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 505.84				
DATE	TIME	LEVEL	TYPE	TYPE	6 1/4"		HQ		DATE STARTED: 08/15/08				
				DIA.	HSA		2.5" ID		DATE FINISHED: 08/18/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS			
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			73%			Gravel and Sand: 0.0-1.0' Sand, Silt and Clay: 1.0-4.0', reworked native material, soft and moist.		0.0	Collect sample 1.0-3.0' (fill) at 9:40. No native material observed above bedrock.		
5		S-2			55%			As above 4.0-8.0'.		0.0			
10		S-3			93%			Gravel: 8.0-9.5', gray, fill, wet at 9.5' bgs. Trace coal at 9.5'. Sampler refusal at 9.5' bgs.		0.0			
15								Auger refusal at 15.0' bgs.					
20		C-1			REC 97% RQD 13%			Dolostone: gray, broken throughout, very broken (18.0-19.5' bgs), and at 21.0' bgs, trace fossils at 22.0-25.0' bgs.		0.0	Approximately 15 minutes to complete core run #1.  Removed 50 gallons after coring.  WL @ ~19.7' bgs after purge.		
25													
30													
35													

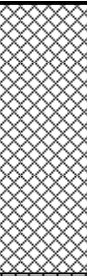
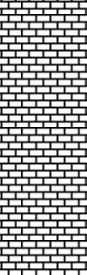
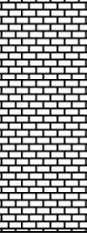

Comments: Boring advanced with truck-mounted CME-85 drill rig using 6 1/4" ID HSA.  
MC: Macrocore Sampler.

PROJECT NO. 507463 / 18983731  
BORING NO. MW-4

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: MW-5			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION: N1161389.38 / E1397677.51			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 492.55				
DATE	TIME	LEVEL	TYPE	TYPE	6 1/4"		HQ		DATE STARTED: 08/15/08				
				DIA.	HSA		2.5" ID		DATE FINISHED: 08/26/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon / Craig Taylor				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1	MC		65%	Tan	Dense to Very Dense	Asphalt and Gravel: 0.0-1.0' Clayey Silt: 1.0-4.0', tan, trace gravel, dry.		0.0	No fill. Collected sample 2.0-4.0' (native) at 12:05.		
5		S-2	MC		100%	Tan	Dense to Very Dense	As above 4.0-8.0'. Slightly moist to dry, some mottling, some fine sand partings.		0.0			
10		S-3	MC		82%	Tan	Dense to Very Dense	As above 8.0-11.9'. Dense and dry to wet, gravel at 9.0' bgs, dry 1" below gravel.		0.0			
											Refusal at 11.9'		
15						Tan	Dense to Very Dense			0.0	Augered 11.9 to 16.0 feet bgs. No samples collected. Dry.		
								Auger refusal at 16.0' bgs.					
20		C-1			REC 100%	Gray	Hard	Dolostone: 16.0-26.0', some fossils 16.25-17.0' bgs, moderately fractured with no apparent weathered fractures, void with calcite crystal at 23.75' bgs, gray.		0.0	Approximately 15 minutes to complete core run #1.		
					RQD 56%						Lost ~5 gallons during coring.		
25													
30		C-2			REC 100%	Gray	Hard	Dolostone: 26.0-31.0', moderately fractured with no apparent weathered fractures, gray.		0.0			
					RQD 49%								
								End of Boring at 31 feet bgs.					
35													
Comments: Boring advanced with track-mounted CME-85 drill rig using										PROJECT NO. 507463 / 18983731			
6 1/4" ID HSA.										BORING NO. MW-5			
MC: Macrocore Sampler.													

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: MW-6			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION: N1160837.96 / E1397691.94			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 505.37				
DATE	TIME	LEVEL	TYPE	TYPE	6 1/4"		HQ		DATE STARTED: 08/19/08				
				DIA.	HSA		2.5" ID		DATE FINISHED: 08/25/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			78%			Gravel Cover: 0.0-0.5' Fill: gravel and clay (0.5-4.0'), brown, dry to slightly moist.		0.0	Collect sample 0.5-2.5' (fill) at 9:15. No native material observed above bedrock.		
5		S-2			26%			As above 4.0-8.0'.		0.0	Refusal at 7' bgs.		
10													
15								Auger refusal at 15.0' bgs.					
20		C-1			REC 100%  RQD 29.2%			Dolostone: gray, moderately fractured, slightly weathered fracture at 24' bgs.		0.0	Approximately 15 minutes to complete core run #1.  Removed 50 gallons after coring.		
25													
30													
35													
Comments: Boring advanced with track-mounted CME-85 drill rig using 6 1/4" ID HSA. MC: Macrocore Sampler.										PROJECT NO. 507463 / 18983731 BORING NO. MW-6			

URS Diamond										TEST BORING LOG			
PROJECT: Former DuPont Bradford Site, Additional Investigaion										BORING NO: MW-7			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION: N1160436.87 / E1397890.74			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 505.27				
DATE	TIME	LEVEL	TYPE	TYPE	6 1/4"		HQ		DATE STARTED: 08/14/08				
				DIA.	HSA		2.5" ID		DATE FINISHED: 08/18/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			98%			Gravel and Clay: 0.0-1.0' Silt: 1.0-4.0', tan, increasing density with depth, dry.		0.0	No fill. Collect sample 2.0-4.0' (native) at 8:20.		
5		S-2			80%			As above, dry. Refusal at 5.0' bgs.		0.0			
		C-1			REC 100% RQD 8.3%			Auger to 10.0' bgs.		0.0	Approximately 25 minutes to complete core run #1.  Removed 10 gallons (well went dry) after coring .  WL @ ~25.0' bgs after purge.  TD = 27.3' bgs.		
10													
								Dolostone: gray, broken throughout, very broken at 11.8, 13.3-18.7' bgs, and at 21.0' bgs, trace fossils at 22.0-25.0' bgs.		0.0			
15													
								Overdrill to 25.0' bgs.					
20													
25													
30													
35													
Comments: Boring advanced with trUck-mounted CME-85 drill rig using 6 1/4" ID HSA.										PROJECT NO. 507463 / 18983731			
MC: Macrocore Sampler.										BORING NO. MW-7			

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: MW-9			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION: N1161005.49 / E1397600.93			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION: 501.83				
DATE	TIME	LEVEL	TYPE	TYPE	6 1/4"		HQ		DATE STARTED: 08/14/08				
				DIA.	HSA		2.5" ID		DATE FINISHED: 08/18/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			78%			Gravel: 0.0-0.5' Sand: fine grained (fill), wet at 3' (perched).		0.0	Sample 1.0-3.0' (fill) collected @ 11:15.		
5		S-2			80%			Concrete: 4.0-5.0' Sand above a dense tan silt, trace gravel, dry. Sampler refusal at 7.0' bgs.		0.0	Sample 4.0-6.0' (native) collected @ 11:30.		
		NA			NA			Weathered bedrock (gravelly dolostone).  Auger Refusal at 10.0' bgs.		NA	Set 4" casing		
10		C-1			95% 12%	Gray		Dolostone: gray, very fractured at 15.6' and 19.5' bgs. Clay (weathered rock) at 19.5' bgs.		0.0	Approximately 15 minutes to complete core run #1.  Removed 150 gallons after coring.		
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using 6 1/4" ID HSA.										PROJECT NO. 507463 / 18983731			
MC: Macrocore Sampler.										BORING NO. MW-9			

DRILLING SUMMARY

Geologist: Dan Sheldon

Drilling Company:

Nothnagle Drilling

Driller:  
Steve Lorente

Rig Make/Model:  
CME 85 - Truck Mounted

Date:  
8/14/2008-8/18/2008

GEOLOGIC LOG

Depth(ft.) Description

See boring log.

D  
E  
P  
T  
H  
(ft)

Elevation 504.41

Stick-up Protective Casing  
and Lockable Cap

Elevation 501.83

Ground Level

AUGERHOLE  
8 inch dia.  
10.0 feet length

TOP ROCK  
SOCKET 494.8

OUTER CASING  
4" inch dia.  
12.58 feet length

BOTTOM ROCK  
SOCKET  
10.0 feet

CARBON STEEL  
RISER  
NA inch dia.  
NA feet length

OPEN ROCK HOLE

481.8

WELL DESIGN

Not to Scale

CASING MATERIAL

SCREEN MATERIAL

FILTER MATERIAL

Surface: 4-inch steel stick-up

Type: Open Rock Hole

Type: None Setting:

Well: 4-inch ID carbon steel

SEAL MATERIAL

Type: None Setting:

Monitor: open rock hole

COMMENTS:

ROCK CORING

Cored Interval: 10.0-20.0'

Core Diameter: 1 7/8"

Reamed Diameter: 3 7/8"

LEGEND

 Cement/Bentonite Grout

Client: DuPont CRG

Location: Rochester Driving Park

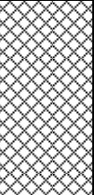






Project No.: 502482 / 18984735

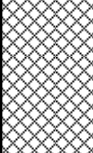
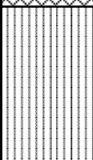
URS Diamond

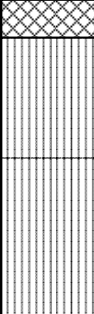

BEDROCK MONITORING WELL  
CONSTRUCTION DETAILS

Well Number: MW-9

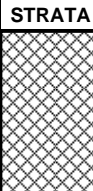



URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: B-N-01			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/12/08				
				DIA.		1.5"			DATE FINISHED: 08/12/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
					* POCKET PENETROMETER READING				REVIEWED BY:				
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
					RQD%								
5		S-1			42%			Asphalt and Gravel 0.0-1.0'.		0.0	Collected sample 2.0-4.0' (fill) at 13:10 with MS/MSD.  Collected sample 6.0-7.0' (native) at 13:50.		
Silt and Gravel: 1.0-5.0', reworked native material.													
10		S-2			62%			Silt: 5.0-5.5', tan, slight moist.		0.0			
Silt and Gravel: 5.5-9.0', very moist, some sand.													
15		S-3			72%			Silt: 9.0-15.0', tan, some medium and coarse gravel, dry.		0.0			
Mosit sand stringer at 12.0'													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.									PROJECT NO. 507463 / 18983731				
									BORING NO. B-N-01				

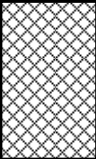
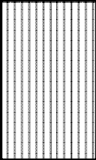
URS Diamond										TEST BORING LOG			
										BORING NO:		B-N-02	
PROJECT: Rochester Driving Park										SHEET:		1 of 1	
CLIENT: DuPont CRG										JOB NO.:		507463 / 18983731	
BORING CONTRACTOR: Nothnagle Drilling Co.										BORING LOCATION:			
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/12/08				
				DIA.		1.5"			DATE FINISHED: 08/12/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING									REVIEWED BY:				
DEPTH FEET	SAMPLE						DESCRIPTION				REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS				
					RQD%					PID			
		S-1			78%			Asphalt and Gravel: 0.0-1.0'  Fill: 1.0-4.0', black sandy gravel, with some silt.		0.0	Collected sample 2.0-4.0' (fill) at 14:30.  Collected sample 5.0-6.0' (native) at 14:50.		
5		S-2			85%			Silt (native): 4.0 - 8.0', dry to slightly moist.		0.0			
10													
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.								PROJECT NO. 507463 / 18983731					
								BORING NO. B-N-02					

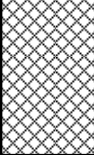

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park CLIENT: DuPont CRG BORING CONTRACTOR: Nothnagle Drilling Co. GROUNDWATER: CAS. SAMPLER CORE TUBE										BORING NO: B-N-03			
										SHEET: 1 of 1			
										JOB NO.: 507463 / 18983731			
										BORING LOCATION:			
										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/12/08				
				DIA.	1.5"				DATE FINISHED: 08/12/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING									REVIEWED BY:				
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			65%			Asphalt and Gravel: 0.0-1.0'		0.0	Fill sample not collected (fill not observed).  Collected sample 2.0-3.0' (native) at 15:00.		
				Silt (native): 1.0 - 8.0', tan, dense, till.									
5													
	S-2				90%					0.0			
10													
15													



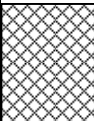

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: B-N-05			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:						CAS.	SAMPLER	CORE	TUBE	BORING LOCATION:			
DATE						TIME	LEVEL	TYPE	TYPE	MacroCore		DATE STARTED: 08/13/08	
									DIA.	1.5"		DATE FINISHED: 08/13/08	
									WT.	-		DRILLER: Steve Lorante	
									FALL	-		GEOLOGIST: Dan Sheldon	
						* POCKET PENETROMETER READING				REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			53%			Asphalt and Gravel: 0.0-1.0' Fill: reworked clayey soil (1.0-4.0'), rusty shale at 4.0'.		0.0	Collected sample 1.0-3.0' (fill) at 08:35.  Collected sample 5.0-6.0' (native) at 08:50.		
5		S-2			55%			Clayey Silt (native): 4.0 - 8.0'; massive clayey silt.		0.0			
10													
15													
20													
25													
30													
35													

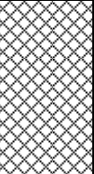

Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.		PROJECT NO. 507463 / 18983731	
		BORING NO. B-N-05	

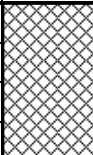
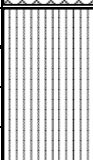
URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: B-N-06			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/13/08				
				DIA.		1.5"			DATE FINISHED: 08/13/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
					* POCKET PENETROMETER READING				REVIEWED BY:				
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS				
					RQD%					PID			
		S-1			50%			Asphalt and Gravel: 0.0-1.0' Fill: reworked silt (1.0-4.0'), tan, slightly moist.		0.0	Collected sample 3.0-4.0' (native) at 09:05.		
5		S-2			53%			Silt (native): 4.0 - 8.0', tan, some gravel, slightly moist to dry.		0.0			
10													
15													
20													
25													
30													
35	Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO. 507463 / 18983731		
												BORING NO. B-N-06	

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: B-N-07			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:						CAS.	SAMPLER	CORE	TUBE	BORING LOCATION:			
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				GROUND ELEVATION:				
				DIA.		1.5"			DATE STARTED: 08/13/08				
				WT.	-		-		DATE FINISHED: 08/13/08				
				FALL	-		-		DRILLER: Steve Lorante				
								* POCKET PENETROMETER READING		GEOLOGIST: Dan Sheldon			
								REVIEWED BY:					
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			68%			Asphalt and Gravel: 0.0-1.0' Fill: 1.0-1.5', Wood, Gravel, Clay. Fill: reworked silt, gravel (1.5-4.0'), tan, dry.		0.0	Collected sample 2.0-3.0' (native) at 09:30.		
5		S-2			83%			Silt (native): 4.0 - 8.0', tan, dense, red sandstone gravel @ 7.0' dry.		0.0			
10													
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO. 507463 / 18983731			
										BORING NO. B-N-07			

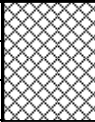



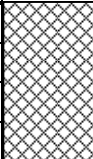

URS Diamond										TEST BORING LOG			
										BORING NO:		B-S-01	
PROJECT: Rochester Driving Park										SHEET:		1 of 1	
CLIENT: DuPont CRG										JOB NO.:		507463 / 18983731	
BORING CONTRACTOR: Nothnagle Drilling Co.										BORING LOCATION:			
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/13/08				
				DIA.		1.5"			DATE FINISHED: 08/13/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING									REVIEWED BY:				
DEPTH FEET	SAMPLE					DESCRIPTION				REMARKS			
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			38%			Asphalt 0.0-1.0'		0.0	Collected sample 1.0-3.0' (fill) at 14:00.		
				Fill: 1.0-3.0', gravelly, black and gray, dry, faint open.				Collected sample 4.0-5.0' (native) at 14:30.					
				Silt: 3.0 - 6.0', tan, dry.									
5		S-2			85%					0.0			
								Refusal at 6.0'					
10													
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO.		507463 / 18983731	
										BORING NO.		B-S-01	

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: B-S-02			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/13/08				
				DIA.		1.5"			DATE FINISHED: 08/13/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
					* POCKET PENETROMETER READING				REVIEWED BY:				
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
					RQD%								
		S-1			33%			Fill: brick, gravel, trace ash and cinders, dry to slight moist, poor recovery.		0.0	Insufficient volume for sampling.		
5												S-2	
10								Refusal at 6.0'					
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO. 507463 / 18983731			
										BORING NO. B-S-02			

URS Diamond										TEST BORING LOG				
										BORING NO: B-S-03				
PROJECT: Rochester Driving Park										SHEET: 1 of 1				
CLIENT: DuPont CRG										JOB NO.: 507463 / 18983731				
BORING CONTRACTOR: Nothnagle Drilling Co.										BORING LOCATION:				
GROUNDWATER:						CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		MacroCore				DATE STARTED: 08/14/08				
				DIA.		1.5"				DATE FINISHED: 08/14/08				
				WT.		-		-		DRILLER: Steve Lorante				
				FALL		-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING										REVIEWED BY:				
DEPTH FEET	SAMPLE						DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"		REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
						RQD%								
		S-1				23%			Fill: 0.0-3.0', gravelly, poor recovery.		0.0	Collected sample 1.0-3.0' (fill) at 10:15.  Collected sample 5.0-6.0' (native) at 10:35.		
5		S-2				65%			Silt (native): 3.0 - 6.0', dry.  Sand: 6.0-6.5', fine to medium grained.		0.0			
10														
15														
20														
25														
30														
35														
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO. 507463 / 18983731				
										BORING NO. B-S-03				

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: B-S-04			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION:			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/13/08				
				DIA.		1.5"			DATE FINISHED: 08/13/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
					* POCKET PENETROMETER READING				REVIEWED BY:				
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
					RQD%								
		S-1			45%			Fill: 0.0-1.0', gravel. Fill: 1.0-5.2', cinders, ash, brick.		0.0	Collected sample 2.0-4.0' (fill) at 12:15.  Native soil sample not collected.		
5				S-2									92%
								Refusal at 5.2'					
10													
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO. 507463 / 18983731			
										BORING NO. B-S-04			

URS Diamond										TEST BORING LOG			
PROJECT: Rochester Driving Park										BORING NO: B-S-05			
CLIENT: DuPont CRG										SHEET: 1 of 1			
BORING CONTRACTOR: Nothnagle Drilling Co.										JOB NO.: 507463 / 18983731			
GROUNDWATER:										BORING LOCATION:			
CAS.					SAMPLER	CORE	TUBE	GROUND ELEVATION:					
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore			DATE STARTED: 08/14/08					
				DIA.	1.5"			DATE FINISHED: 08/14/08					
				WT.	-			-			DRILLER: Steve Lorante		
				FALL	-			-			GEOLOGIST: Dan Sheldon		
* POCKET PENETROMETER READING										REVIEWED BY:			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% RQD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID			
		S-1			73%			Gravel: 0.0-1.0'		0.0	Collected sample 1.0-3.0' (fill) at 08:30.		
								Fill: 1.0-3.0', gravelly, black and gray, dry, faint open.					
								Silt (native): 3.0 - 8.0', dry.					
5		S-2			48%					0.0	Collected sample 4.0-5.0' (native) at 08:40.		
10													
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO. 507463 / 18983731			
										BORING NO. B-S-05			

URS Diamond										TEST BORING LOG			
										BORING NO: B-S-06			
PROJECT: Rochester Driving Park										SHEET: 1 of 1			
CLIENT: DuPont CRG										JOB NO.: 507463 / 18983731			
BORING CONTRACTOR: Nothnagle Drilling Co.										BORING LOCATION:			
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	MacroCore				DATE STARTED: 08/14/08				
				DIA.		1.5"			DATE FINISHED: 08/14/08				
				WT.	-		-		DRILLER: Steve Lorante				
				FALL	-		-		GEOLOGIST: Dan Sheldon				
* POCKET PENETROMETER READING									REVIEWED BY:				
DEPTH FEET	SAMPLE						DESCRIPTION				REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS				
					RQD%					PID			
		S-1			78%			Gravel: 0.0-0.5' Fill: 0.0-3.0', gravelly, brick, black gravel at 3.0', wet.		0.0	Collected sample 1.0-3.0' (fill) at 09:00.		
				Collected sample 4.0-6.0' (native) at 09:15.									
5		S-2			100%			Silt (native): 4.0 - 6.0', dry.		0.0			
								Refusal at 6.0'					
10													
15													
20													
25													
30													
35													
Comments: Boring advanced with truck-mounted CME-85 drill rig using a geoprobe sampler.										PROJECT NO. 507463 / 18983731			
										BORING NO. B-S-06			

## **Appendix G**

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### **Survey Data**

## BOREHOLE LOCATIONS

DUPONT DRIVING PARK SITE

GRID COORDINATES

DATUMS: NAD83 / ROCHESTER VERTICAL

7/25/2008			
Bore#	Northing	Easting	Ground Elevation
BGS-01	1161970.01	1397549.05	486.02
BGS-02	1160608.06	1397945.13	502.44
MW-04	1160807.82	1397536.23	505.51
PCB-01	1161271.58	1397531.01	497.64
PCB-02	1161110.16	1397533.26	499.77
PCB-03	1160968.46	1397536.49	504.10
PCB-04	1160644.60	1397539.79	506.41
PCB-05	1160480.58	1397541.30	506.30

9/15/2008				
Bore#	Northing	Easting	Ground Elevation	Riser
MW-02	1161021.55	1397826.84	500.93	503.32
MW-03	1160439.08	1397667.48	506.13	508.49
MW-04	1160778.54	1397569.86	505.84	508.38
MW-05	1161389.38	1397677.51	492.55	494.5
MW-06	1160837.96	1397691.94	505.37	507.85
MW-07	1160436.87	1397890.74	505.27	507.57
MW-09	1161005.49	1397600.93	501.83	504.41
MAG	1160955.44	1397719.56	502.454	
NAIL	1160628.17	1397722.10	506.779	
MW-07	1160436.87	1397890.74	505.504	
MW-03	1160439.08	1397667.48	506.415	
B-S-04	1160490.87	1397695.20	505.96	
B-S-03	1160723.00	1397804.64	505.227	
B-S-02	1160746.03	1397626.11	505.99	
MW-04	1160778.54	1397569.86	506.114	
B-S-05	1160904.67	1397565.08	504.566	
MW-06	1160837.96	1397691.94	505.637	
MW-02	1161021.55	1397826.84	501.23	
B-S-01	1160975.76	1397680.64	502.01	
MW-09	1161005.49	1397600.93	502.195	
B-N-07	1161233.75	1397588.24	497.07	
B-N-06	1161276.12	1397675.99	495.429	
MW-05	1161389.38	1397677.51	492.832	
B-N-05	1161347.32	1397584.07	493.412	
B-N-04	1161538.03	1397580.47	491.564	
B-N-02	1161663.62	1397578.93	490.65	
B-N-01	1161750.20	1397689.02	490.165	
B-N-03	1161542.77	1397695.23	491.42	
B-S-06	1161025.08	1397557.79	501.272	
TPL-07	1160844.00	1397818.08	504.573	
TPL-07	1160836.06	1397817.53	504.767	
TPL-07	1160835.58	1397790.86	504.87	
TPL-07	1160843.67	1397791.35	504.84	
TPL-05	1160790.54	1397770.25	505.153	
TPL-05	1160781.15	1397770.76	505.35	



## BOREHOLE LOCATIONS

DUPONT DRIVING PARK SITE

GRID COORDINATES

DATUMS: NAD83 / ROCHESTER VERTICAL

9/15/2008 (continued)

Bore#	Northing	Easting	Ground Elevation
TPL-05	1160778.06	1397753.34	505.439
TPL-05	1160788.00	1397752.65	505.3
TPL-03	1160932.00	1397647.09	504.657
TPL-03	1160932.06	1397632.64	504.413
TPL-03	1160940.09	1397632.08	504.22
TPL-03	1160940.14	1397646.32	504.574
TPL-09	1160960.93	1397591.00	504.50
TPL-09	1160969.87	1397591.36	504.261
TPL-09	1160967.90	1397572.58	504.448
TPL-09	1160960.29	1397571.73	504.564
TPL-08	1160944.68	1397553.56	504.886
TPL-08	1160932.86	1397553.47	504.73
TPL-08	1160932.44	1397537.29	504.653
TPL-08	1160942.44	1397536.38	504.44
TPL-15	1161199.85	1397851.41	495.375
TPL-15	1161209.54	1397851.10	495.125
TPL-15	1161210.03	1397861.26	495.008
TPL-15	1161199.69	1397861.05	495.175
A-08	1160890.01	1397800.32	504.20
A-08	1160879.17	1397810.56	504.545
A-08	1160870.21	1397800.55	504.58
A-07	1160824.91	1397803.20	504.853
A-07	1160815.18	1397802.44	504.958
A-06	1160732.41	1397784.64	505.371
A-06	1160712.51	1397785.88	505.631
A-03	1160707.04	1397683.36	506.16
A-03	1160686.83	1397685.29	506.331
A-03	1160696.82	1397694.85	506.21
A-03	1160695.78	1397674.45	506.237
A-02	1160985.76	1397558.96	503.706
A-02	1160986.26	1397549.87	503.559
A-02	1160997.12	1397548.73	503.156
A-02	1161005.81	1397548.29	502.64
A-02	1161005.73	1397557.86	502.796