

VOLUNTARY REMEDIATION PROGRAM
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN SEMIANNUAL STATUS REPORT

Date: December 6, 2013

Site Name: Fashion Care/Executive Care Site, HSI No. 10786

Site Address: 2211 Savoy Drive, Chamblee, Georgia

County: DeKalb

This electronic copy of the Voluntary Investigation and Remediation Plan Semiannual Status Report dated December 6, 2013 for the above referenced Fashion Care/Executive Care Site, HSI No. 10786, 2211 Savoy Drive, Chamblee, Georgia, DeKalb County is complete, identical to the paper copy, and virus free.



December 6, 2013

Mr. Jason Metzger
Compliance Officer – Environmental Engineer
Georgia Environmental Protection Division
Hazardous Sites Response Program
2 Martin Luther King, Jr. Drive, SE
Atlanta, GA 30334

**Subject: Voluntary Investigation and Remediation Plan Semiannual Status Report
Fashion Care/Executive Care Site, Hazardous Site Inventory (HSI) No. 10786
2211 Savoy Drive, Chamblee, DeKalb County, Georgia, December 6, 2013
Woodard & Curran Project No. 226203.00**

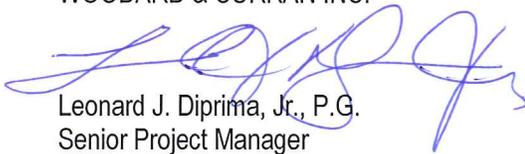
Dear Mr. Metzger:

Enclosed for your review is the Voluntary Investigation and Remediation Plan Semiannual Status Report for the Fashion Care/Executive Care Site (Site), Hazardous Site Inventory No. 10786, located at 2211 Savoy Drive, Chamblee, DeKalb County, Georgia. There is one hard copy and two CD's of the report enclosed.

Please contact me with any questions or comments you may have.

Sincerely,

WOODARD & CURRAN INC.

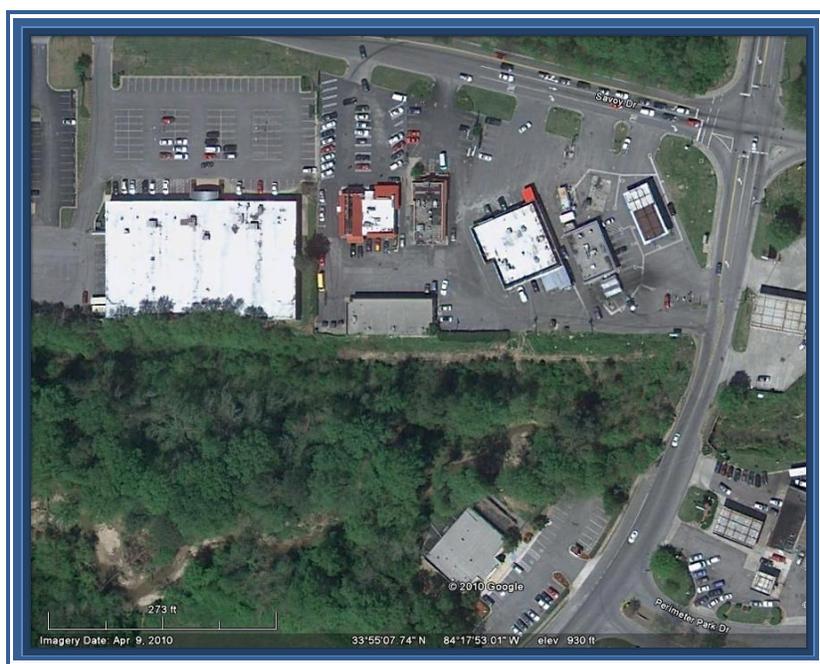


Leonard J. Diprima, Jr., P.G.
Senior Project Manager

LJD/arm

Enclosure(s)

cc: Project File



Semiannual Status Report

Voluntary
Remediation
Program

Fashion
Care/Executive Care
Site
HSI No. 10786
2211 Savoy Drive,
Chamblee,
DeKalb County,
Georgia

770.622.6766
Leonard Diprima

woodardcurran.com
COMMITMENT & INTEGRITY DRIVE RESULTS

226203.00
John F. Rowan, Sr.,
Item IV Trust
Carmel Valley, CA

December 6, 2013

Voluntary Investigation and Remediation Plan Semiannual Status Report Voluntary Remediation Program

(June 3, 2013 through December 2, 2013)



Fashion Care/Executive Care Site

HSI No. 10786

2211 Savoy Drive, Chamblee, DeKalb County, Georgia

Prepared For

**John F. Rowan, Sr. Item IV Trust
PO Box 197, Carmel Valley, CA 93924**

Prepared by



2055 Sugarloaf Parkway, Suite 175
Duluth, Georgia 30097

Project No. 226203

December 6, 2013

Table of Contents

Section 1 PE/PG Certification.....	2
Section 2 Introduction	3
Section 3 Work Performed – June 3, 2013 through December 2, 2013	4
3.1 Refining of the Conceptual Site Model	4
Section 4 Work to be Performed	6
Section 5 Professional Services Hours This Period	8

List of Figures

- Figure 1 Conceptual Site Model
- Figure 2 Depth to Top of Dry Silt
- Figure 3 Flow Chart – Voluntary Investigation & Remediation Plan Tasks
- Figure 4 Proposed Deep Well Location
- Figure 5 Estimated Voluntary Remediation Plan Schedule

List of Appendices

- Appendix A Boring Logs

Section 1
PE/PG Certification

I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional geologist who is registered with the Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Leonard J. Diprima, Jr. / Georgia PG #949

December 6, 2013

Printed Name and GA PE/PG Number

Date


Signature and Stamp



Section 2 Introduction

Woodard & Curran (W&C) has prepared this Voluntary Investigation and Remediation Plan Semiannual Status Report (Status Report) in accordance with the Voluntary Remediation Program (VRP) for the Fashion Care/Executive Care Site (Site), Hazardous Site Inventory (HSI) No. 10786, located at 2211 Savoy Drive, Chamblee, DeKalb County, Georgia, on behalf of the John F. Rowan, Sr. Item IV Trust (Trust). On July 9, 2010, a Voluntary Investigation and Remediation Plan Application (VIRP) was submitted to the Georgia Environmental Protection Division (EPD) Hazardous Sites Response (HSRA) Program for the Site. On December 2, 2010, the EPD approved the VIRP with comments and entered the Site into the VRP. This Status Report has been prepared to present the activities conducted from June 3, 2013 through December 2, 2013 for the Site in accordance with the VRP.

Work Performed – June 3, 2013 through December 2, 2013

The activities currently identified to be performed at the Site under the VRP are outlined in the following documents:

- VIRP dated July 9, 2010;
- EPD VIRP approval letter dated December 2, 2010;
- EPD VIRP comment letter dated December 2, 2010;
- VRP Action Plan Technical Memorandum dated February 3, 2011 included as an attachment to the Financial Assurance submittal to the EPD dated March 2, 2011; and the
- EPD VIRP Status Report comment letter dated November 13, 2013.

The primary activity that has been performed from June 3, 2013 through December 2, 2013 is the refining of the Conceptual Site Model (Figure 1) through the installation of soil borings across the impacted area to confirm presence/absence of a dry silt, shallow confining unit.

3.1 Refining of the Conceptual Site Model

Prior to the most recent soil boring event conducted in November 2013, the lithology and suspected hydrogeology presented in the conceptual site model had been based upon the theory that the saturated soil zone is divided into an upper and lower water bearing zone, separated by a dense, dry silt. This was based upon evidence that the upper water bearing zone is thinner adjacent to Nancy Creek where saturated conditions are encountered in borings as shallow as 5 feet below grade and the dense dry silt is encountered at depths of 8 to 16 feet below grade, which generally corresponds to the streambed of Nancy Creek adjacent to the Site. The vertical walls and wide streambed also supported this hypothesis.

The thickness of the potential upper water bearing zone appears to be greater to the north near Savoy Drive and thins as Nancy Creek is approached. It was theorized that the dense dry silt had not been encountered in the borings near Savoy Drive because all the borings had penetrated the water table generally no more than 7 to 8 feet to set wells and the upper water bearing zone in this area is thicker. This suspected division in the water table aquifer on Site is significant for the evaluation of groundwater impacts and the groundwater modeling to be conducted to establish a VRP groundwater monitoring plan. It is suspected that the previous deep well, MW-23D, installed by the UST Program contractor for the adjacent EZ-Serve UST remediation site, may have penetrated this dry silt separating the shallow water bearing zones and provided a limited conduit for vertical migration of constituents. MW-23D has since been abandoned by the UST program.

To confirm the lithology presented in the conceptual site model, ten (10) additional soil borings were advanced across the Site in November 2013 using a direct-push drilling method (DPT). These borings, SB-37 through SB-46 shown on Figure 2, were advanced to confirm the consistent presence of the dry silt across the site and to determine the thickness of this layer. Five (5) previous borings on the property adjacent to Nancy Creek had encountered the dry silt, FMW-12, FMW-15, FMW-16, old FMW-17 (boring was advanced but well not installed) and FMW-17. The presence of the dry silt was confirmed across the Site. As anticipated, the dry silt was encountered at deeper depths at the higher elevation around the Fashion Care building, depths ranging from 23 feet below ground surface (bgs) to 23.3 feet bgs. Toward the creek, as elevations get lower, the dry silt is encountered at shallower depths below grade ranging from 8 feet bgs (FMW-15) to 19 feet bgs (SB-46).

The dry silt is reddish-brown in color and very dense. In a number of borings drilling was terminated with DPT refusal due to the dense, hard nature of the material. When slight pressure was applied to a solid core of the silt it would crumble into loose material, indicative of the lack of moisture in the silt.

The SB-37 and SB-38 boring locations were selected to try and penetrate the dry silt to determine the general thickness of the layer to aid in planning the construction of a Type III monitoring well to be screened below the silt. These locations were selected because they are outside the area of drycleaner impacts. The dry silt was successfully penetrated in boring SB-37 and was found to be approximately 10 feet thick (23 feet bgs to 33 feet bgs). The silt was not penetrated in SB-38 before drilling refusal. Approximately 5 feet of dry silt was encountered before refusal. Boring logs for SB-37 through SB-46 are in Appendix A. All boring were abandoned with hydrated bentonite to form a seal.

Section 4 Work to be Performed

The additional activities anticipated to be performed at the Site through completion of the VIRP are outlined in the VIRP dated July 9, 2010, the EPD VIRP approval letter dated December 2, 2010, the EPD VIRP comment letter dated December 2, 2010, and the VRP Action Plan Technical Memorandum dated February 3, 2011 included as an attachment to the Financial Assurance submittal to the EPD dated March 2, 2011. Additional comments provided by the EPD regarding the June 2, 2012, December 2, 2012 and June 2, 2013 Status Reports in correspondence dated November 13, 2013 will also be addressed during the execution of the VIRP.

These tasks are presented on Figure 3. The primary tasks anticipated to be completed during the next six months for the period ending June 2, 2014 are presented in detail below.

Anticipated Tasks December 3, 2013 through June 2, 2014:

- Completion of the Conceptual Site Model (Figure 1):
 - Installation and sampling of a Type III monitoring well screened below the dry silt, between the base of the dry silt and the top of bedrock. The well location agreed upon by the EPD and Woodard & Curran is shown on Figure 4.
 - Conduct an additional slug test in the shallow water bearing zone for input into a groundwater model. Two previous slug tests have been conducted in the shallow water bearing zone.

- Collection of a current round of groundwater and surface water samples from select locations. The data will be used to model the groundwater contaminant plume upon the completion of the conceptual site model. Samples will be collected from the following locations to obtain a current characterization of the drycleaner constituent plume: FMW-1, FMW-4, FMW-5, FMW-6, FMW-9, FMW-13, FMW-14, FMW-15, FMW-16, FMW-17, SW-1, SW-2 and SW-3.

- The following actions for the Uniform Environmental Covenant (UEC) for the Southern Automatic property (parcel # 18-343-13-005) will be completed by the Trust:
 - Identify “Parties with interest in the Property”. This will include anyone with an easement across the property, mortgage holder, etc.
 - Identify the surrounding property owners.
 - At least 30 days prior to obtaining the EPD Director’s signature, a copy of the covenant will be sent to the following:
 - Anyone identified as a “Grantee/Holder”;
 - Each person holding a recorded interest in the property; “Parties with interest in the Property”;
 - “Fee Owner of Property/Grantor”;

- Each municipality, county, consolidated government, or other unit of local government in which real property subject to the covenant is located; and
 - Each owner in fee simple whose property abuts the property subject to the Environmental Covenant.
- Within thirty (30) days after the date of the EPD Director's signature, the Trust shall:
 - File the EC with the Recorders of Deeds for the County in which the Property is located;
 - Send a file stamped copy of the EC to EPD within thirty (30) days of recording;
 - Send a file-stamped copy to each of the following:
 - ◆ Anyone identified as a "Grantee/Holder";
 - ◆ Each person holding a recorded interest in the property; "Parties with interest in the Property";
 - ◆ "Fee Owner of Property/Grantor";
 - ◆ Each municipality, county, consolidated government, or other unit of local government in which real property subject to the covenant is located; and
 - ◆ Each owner in fee simple whose property abuts the property subject to the Environmental Covenant.
- Work with the EPD to modify the UEC for the Estate's property (parcel #18-343-13-002) to meet the requirements outlined in EPD Comment #3 in the November 13, 2013 EPD correspondence to the Estate.
 - Develop final vapor mitigation system design for the current building on the Fashion Care property. Installation is anticipated for the 3rd quarter of 2014.

If possible, the following activities will also be initiated or completed during this period:

- Preparation of a "Corrective Action Plan" to be implemented if surface water detections occur during future surface water sampling events.
- Modeling to the drycleaner impacts to enable preparation of a VRP Groundwater Monitoring Plan.

The tasks currently identified to complete the VIRP are presented on Figure 5, a revised estimated schedule. This schedule will be revised with the submittal of each Semiannual Status Report, as required.

Section 5 Professional Services Hours This Period

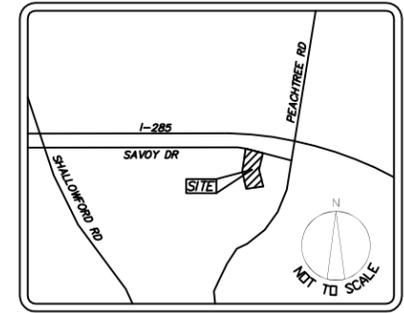
A total of approximately 100 professional service hours have been completed by Woodard & Curran from June 3, 2013 through December 2, 2013. Of these total hours, 66 hours were utilized by the professional geologist overseeing the VRP project. The approximate distribution of hours utilized for implementation of the VRP during this period is presented below.

Company	Month/Year	Project Manager / P.G. hours	Total Hours Worked
Woodard & Curran	June 2013	21	31.5
Woodard & Curran	July 2013	1.5	1.5
Woodard & Curran	August 2013	0	0
Woodard & Curran	September 2013	7	7
Woodard & Curran	October 2013	14.25	18.05
Woodard & Curran	November 2013	22.25	42.75
Total Hours		66.00	100.80

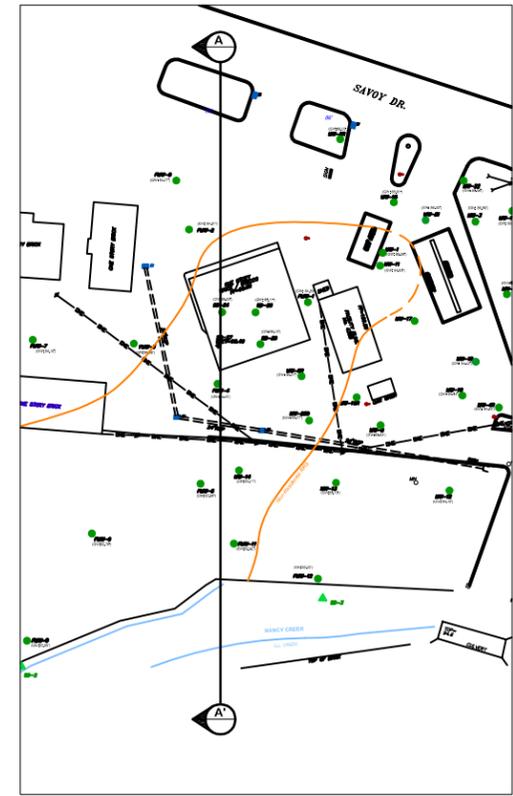
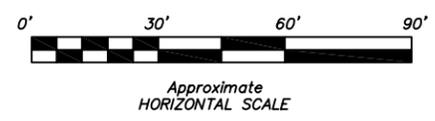
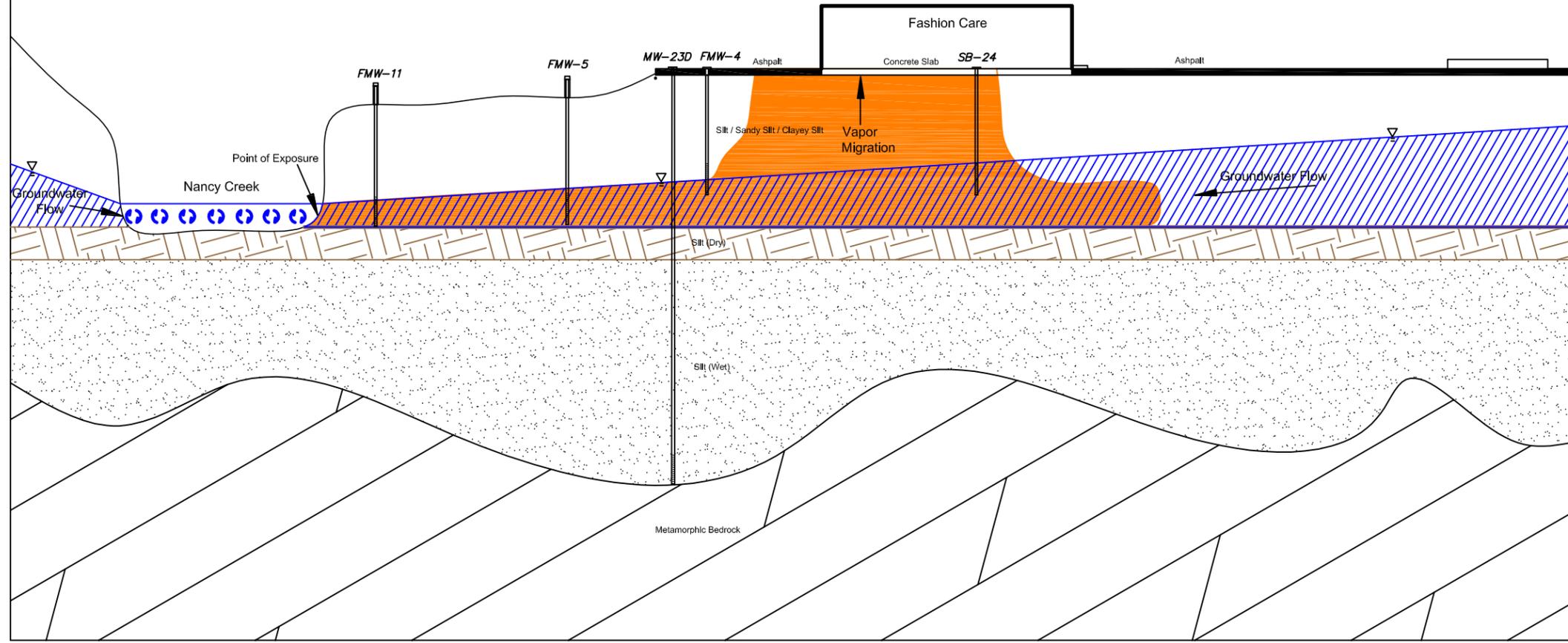
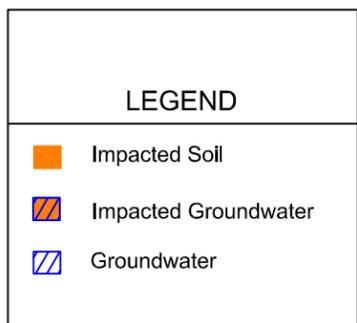
Note: The above hours do not include subcontractor hours worked for Woodard & Curran.

A'

A



VICINITY MAP

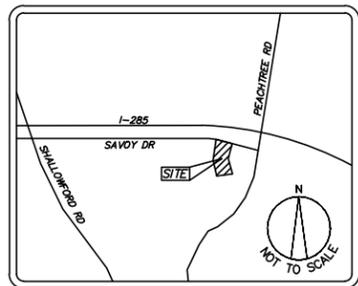


PROJECT NO.	DRAWN	DATE
08096	CTM	6/28/10



Figure 1
 Conceptual Site Model
 Fashion Care / Executive Care Site
 2211 Savoy Dr
 Chamblee, GA 30341

Referenced Drawing is Based off of Landpro Survey



VICINITY MAP

LEGEND

- APPROXIMATE PROPERTY LINE
- MW-8 (circle with dot) MONITORING WELL (SHOWN AS FADED IF ABANDONED)
- SD-1 (triangle) SEDIMENT SAMPLE LOCATION
- SB-9 (circle with dot) 11/2013 SOIL BORING LOCATION [14 ft.]
- [14 ft.] APPROX. DEPTH BELOW GRADE TO TOP OF DRY SILT



NOTE: REFERENCED DRAWING IS BASED ON LANDPRO SURVEY



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REV	DESCRIPTION	DATE

DESIGNED BY: _____
 CHECKED BY: _____
 DRAWN BY: _____

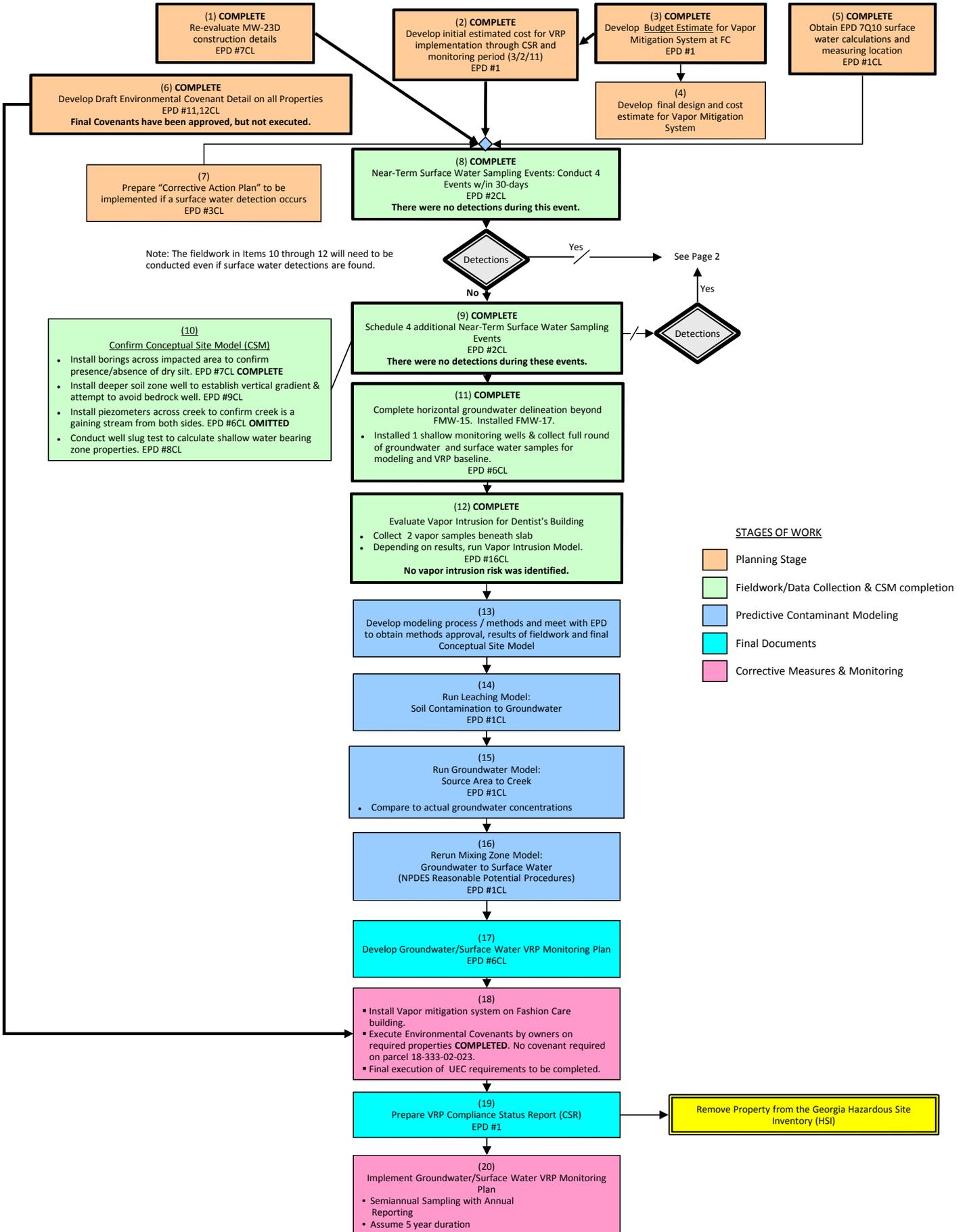
FIGURE 2
DEPTH TO TOP OF DRY SILT

FASHION CARE EXECUTIVE CARE SITE

2211 SAVOY DRIVE
 CHAMBLEE, GA 30341

JOB NO.: _____
 DATE: _____
 SCALE: _____
 SHEET: _____ OF _____

Figure 3
Flow Chart – Voluntary Investigation & Remediation Plan Tasks
 (Completed tasks are noted.)

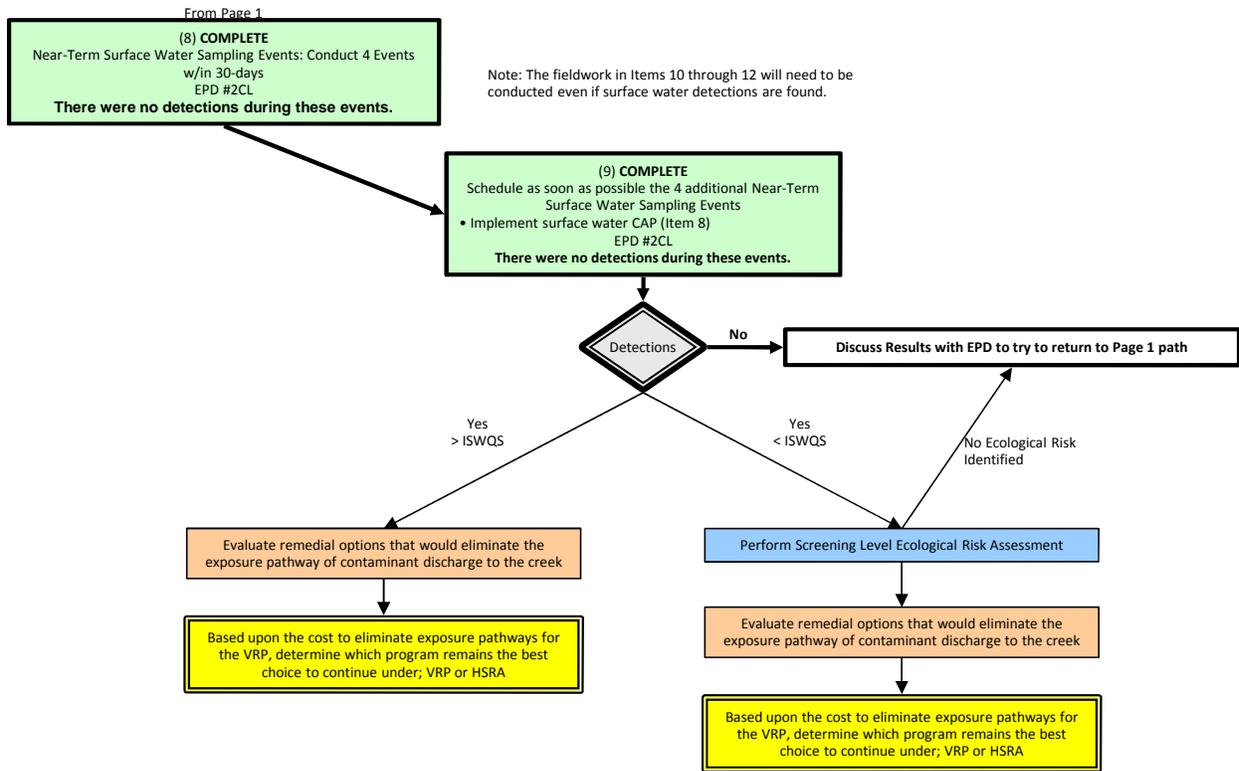


STAGES OF WORK

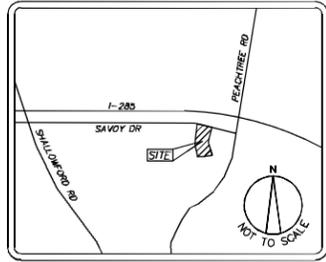
- Planning Stage
- Fieldwork/Data Collection & CSM completion
- Predictive Contaminant Modeling
- Final Documents
- Corrective Measures & Monitoring

Figure 6 Contd.

Flow Chart – Voluntary Investigation & Remediation Plan Tasks



ISWQS = Georgia In-Stream Water Quality Standards



VICINITY MAP

LEGEND

- APPROXIMATE PROPERTY LINE
- SD-1 ▲ SEDIMENT SAMPLE LOCATION
- MW-17 ○ ABANDONED MONITORING WELL
- FMW-15 [60.95] ● GROUNDWATER SAMPLE LOCATION
- SW-1 ⊗ SURFACE WATER SAMPLE LOCATION
- TYPE 1 & 3 RRS
- TYPE 5 CONSTRUCTION WORKER RRS
- TYPE 5 UTILITY WORKER RRS

NOTE: REFERENCED DRAWING IS BASED ON LANDPRO SURVEY



Proposed Location of Type III well screened below the dry silt layer

ICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 0.0094
 TETRACHLOROETHENE (PCE) - ND
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - ND
 VINYL CHLORIDE - ND

FMW-15
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - ND
 TETRACHLOROETHENE (PCE) - ND
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - ND
 VINYL CHLORIDE - 0.0032

FMW-13
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 0.079
 TETRACHLOROETHENE (PCE) - 0.23
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - 0.054
 VINYL CHLORIDE - 0.0022

FMW-14
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 0.027
 TETRACHLOROETHENE (PCE) - 0.027
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - 0.023
 VINYL CHLORIDE - ND

FMW-6
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 0.87
 TETRACHLOROETHENE (PCE) - 2.6
 TRANS-1,2-DICHLOROETHENE - 0.016
 TRICHLOROETHENE (TCE) - 0.17
 VINYL CHLORIDE - 0.0078

FMW-9
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 0.72
 TETRACHLOROETHENE (PCE) - 1.8
 TRANS-1,2-DICHLOROETHENE - 0.01
 TRICHLOROETHENE (TCE) - 0.13
 VINYL CHLORIDE - ND

FMW-5
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 0.059
 TETRACHLOROETHENE (PCE) - 0.0073
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - 0.0069
 VINYL CHLORIDE - 0.0071

FMW-11
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - ND
 TETRACHLOROETHENE (PCE) - 0.03
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - ND
 VINYL CHLORIDE - ND

FMW-4
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 75
 TETRACHLOROETHENE (PCE) - 1.5
 TRANS-1,2-DICHLOROETHENE - 0.54
 TRICHLOROETHENE (TCE) - 1.1
 VINYL CHLORIDE - 2.4

SB-24
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 2.7
 TETRACHLOROETHENE (PCE) - ND
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - ND
 VINYL CHLORIDE - ND

SB-26
 1,1-DICHLOROETHENE - ND
 CIS-1,2-DICHLOROETHENE - 13
 TETRACHLOROETHENE (PCE) - 12
 TRANS-1,2-DICHLOROETHENE - ND
 TRICHLOROETHENE (TCE) - 11
 VINYL CHLORIDE - 0.46

FMW-2
 ALL ND

FMW-8
 ALL ND

FMW-10
 ALL ND

FMW-12
 ALL ND

SEDIMENT SAMPLE COLLECTED DOWN STREAM IN FROM OF CULVERT UNDER SHALLOWFORD ROAD

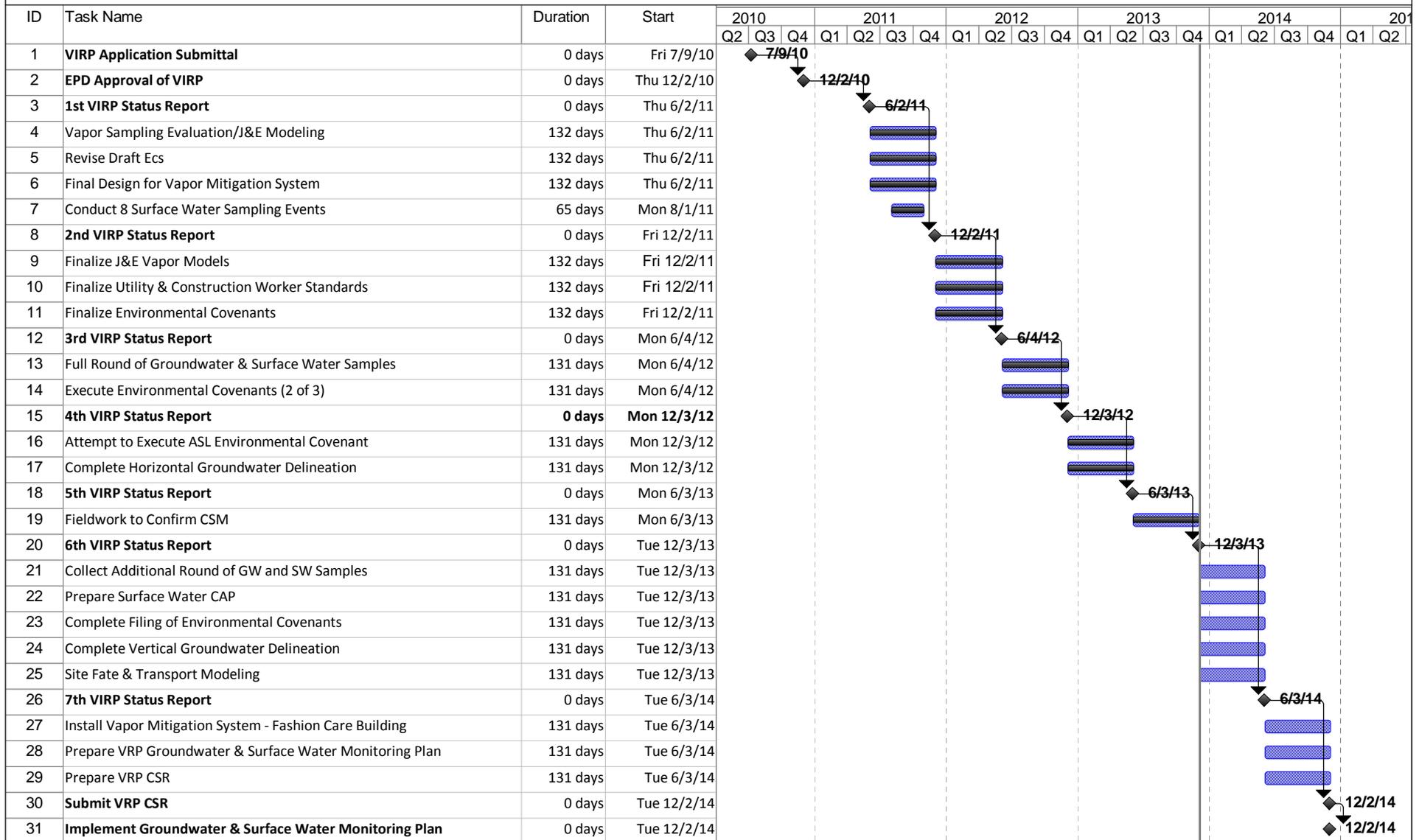
Drawn By: GHAULD Date: 12-06-14
 Checked by: LD Project No:

Woodard & Curran
 2055 Sugarloaf Circle, Suite 175
 Duluth, GA 30097
 770-622-6766



FIGURE 4
 PROPOSED DEEP WELL LOCATION
 (July 2012 Groundwater Data)
 Fashion Care Executive Care VRP Site
 2211 Savoy Drive, Chamblee, GA

Figure 5
Estimated Voluntary Remediation Plan Schedule
 Fashion Care/Executive Care Site, 2211 Savoy Drive, Chamblee, Georgia



Appendix A
Boring Logs



Soil Boring Log

Boring ID: SB-37

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 7.5' Final Depth: 35'

Elevation: _____
 Date started: 11/7/13
 Date Completed: 11/7/13
 Field Oversight: Diprima/King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Asphalt			There is approx. 10' of dry silt at this location from 23'-33' Boring was sealed w/hydrated bentonite
----	Reddish Brown to tan silty CLAY - moist	65%		

-----5				
----		90%		
-----▽	Light gray SAND - saturated (7.5')			
----	Brown to Dark grey silty CLAY to clayey SILT - moist			
-----10		100%		

-----15				
----	Light Gray silty SAND - wet	80%		

-----20	Reddish Brown to tan SILT- moist			
----	Becoming Dry @ 23' Dense material	95%		

-----25		95%		

-----30		100%		

-----35	Becoming moist @ 34'			
----	Boring Terminated @ 35'			
-----40				



Soil Boring Log

Boring ID: SB-38

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 12' Final Depth: 33'

Elevation: _____
 Date started: 11/7/13
 Date Completed: 11/7/13
 Field Oversight: Diprima/King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Asphalt			Solvent odor in boring Dry silt from 23' to refusal. Boring was sealed w/hydrated bentonite
----	Reddish Brown to Brown clayey SILT - moist	75%		
-----5	Grading to Lt Gray to Gray SILT- moist	60%		
-----10	Saturated @ 12'	100%		
-----15	Becoming Dry @ 18'	95%		
-----20	21'-23' wet	75%		
-----25	23'-27' dry			
-----25	27'-28.5' wet	100%		
-----30	28.5'-33' Reddish-brown dry dense SILT	100%		
-----35	Refusal @ 33'			
-----40				



Soil Boring Log

Boring ID: SB-39

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 15' Final Depth: 33.5'

Elevation: _____
 Date started: 11/7/13
 Date Completed: 11/7/13
 Field Oversight: Diprima/King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Asphalt			Solvent odor in boring
----	Reddish-Brown clayey SILT	50%		Dry silt from 24.3' to refusal. Still dry at refusal.>9' thick
-----5	Lt Gray SAND - moist	50%		Boring was sealed w/hydrated bentonite
----	Brown to Dark Gray clayey SILT - moist			
-----10	Lt Gray clayey SILT moist	100%		
-----15	Lt. Gray SAND - wet @16'	70%		
----	Reddish-Brown SILT - moist			
-----20		100%		
----	24.3'-28' dry			
-----25		100%		
----	28'-29' moist/wet			
-----30	29'-33.5' Reddish-brown dry dense SILT	100%		
----	Refusal @ 33.5'			
-----35				
-----40				



Soil Boring Log

Boring ID: SB-40

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 12.5' Final Depth: 25'

Elevation: _____
 Date started: 11/7/13
 Date Completed: 11/7/13
 Field Oversight: King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Top soil			No odor in boring
----	Reddish-Brown clayey SILT - moist	50%		Dry silt from 17' to 25' (termination).
----				Boring was sealed w/hydrated bentonite
----				Picture # 1&2
-----5	Reddish Brown sandy SILT - moist	90%		
----	Becoming Red to Gray			
-----10	Becoming Red to Tan	70%		
----	Saturated @ 12.5'			
----	Lt. Gray clayey SILT - wet			
-----15	Reddish Brown SILT - wet	70%		
----	Reddish-Brown SILT - dry, dense			
-----20	17' to 25' dry	90%		
-----25	Boring Terminated @ 25'			
-----30				
-----35				
-----40				



Soil Boring Log

Boring ID: SB-41

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 7.5' Final Depth: 21'

Elevation: _____
 Date started: 11/7/13
 Date Completed: 11/7/13
 Field Oversight: King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Top soil			No odor in boring
----	Reddish-Brown sandy SILT - dry	40%		Dry silt from 17' to 21' (refusal).
----				Boring was sealed w/hydrated bentonite
-----5	Becoming Reddish-Gray - moist			Picture # 3
----	▽			
----	Saturated @ 7.5'	85%		
-----10				
----	-----	80%		
-----15	Reddish-Brown sandy SILT - moist			
----	Red to Brown SILT - moist	40%		
----	Reddish-Brown SILT - dry, dense			
-----20				
----	Refusal @ 21'	10%		
-----25				
-----30				
-----35				
-----40				



Soil Boring Log

Boring ID: SB-42

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 10' Final Depth: 25'

Elevation: _____
 Date started: 11/7/13
 Date Completed: 11/7/13
 Field Oversight: King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Top soil			No odor in boring
----	Reddish-Brown clayey SILT - dry	60%		Dry silt from 17' to 25' (termination).
----	Becoming moist			Boring was sealed w/hydrated bentonite
-----5		90%		Picture # 4
-----10	Reddish-Brown sandy SILT- wet, saturated @11'	90%		
-----15	Reddish-Brown clayey SILT - moist	70%		
-----20	Reddish-Brown SILT - dry, dense	70%		
-----25	Boring Terminated @ 25'			
-----30				
-----35				
-----40				



Soil Boring Log

Boring ID: SB-43

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 9' Final Depth: 20'

Elevation: _____
 Date started: 11/7/13
 Date Completed: 11/7/13
 Field Oversight: King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Top soil			No odor in boring
----	Reddish-Brown sandy SILT - dry	40%		Dry silt from 15' to 20' (termination).
----				Boring was sealed w/hydrated bentonite
-----5	Becoming moist	60%		Picture # 5&6
-----10	Gray to Tan SAND, coarse - wet, saturated @ 9' w/pebbles	50%		
-----15	Reddish-Brown SILT - moist			
-----15	Reddish-Brown SILT - dry, dense	90%		
-----20	Boring Terminated @ 20'			
-----25				
-----30				
-----35				
-----40				



Soil Boring Log

Boring ID: SB-45

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 9' Final Depth: 25'

Elevation: _____
 Date started: 11/8/13
 Date Completed: 11/8/13
 Field Oversight: King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Top soil			No odor in boring Dry silt from 17' to 25' (termination). Boring was sealed w/hydrated bentonite Picture # 10&11
----	Brown to Tan sandy SILT - moist	90%		

-----5	Becoming Tan to Gray	70%		

-----10	Reddish-Tan to Gray SAND, course - wet, saturated @ 9'	80%		

-----15	Reddish-Brown clayey SILT - moist	80%		

-----20	Red to Tan to Brown SILT - dry, dense	100%		

-----25	Boring Terminated @ 25'			

-----30				

-----35				

-----40				



Soil Boring Log

Boring ID: SB-46

Project: Fashion Care
 Project No: 226203.00
 Location: 2211 Savoy Dr
 Driller: Geo Lab
 DTW: 7' Final Depth: 25'

Elevation: _____
 Date started: 11/8/13
 Date Completed: 11/8/13
 Field Oversight: King

Depth (feet bgs)	Soil Classification	% Recovery	Sample No.	Remarks
-----0	Top soil			No odor in boring
----	Red to Brown sandy SILT - moist	50%		Dry silt from 18' to 25' (termination).
----				Boring was sealed w/hydrated bentonite
-----5				Picture # 8 & 9

-----7	Gray-Black SAND, course w/pebbles - wet, saturated @ 7'	50%		
-----10		50%		
-----15	Reddish-Tan clayey SILT - moist	70%		
-----20	Red to Tan SILT - dry, dense			
-----23	Reddish-Black saprolite - dry	90%		
-----25	Boring Terminated @ 25'			
-----30				
-----35				
-----40				

