



MID-SOUTH
TESTING

Corrective Action Plan

Discount Food Mart #110

395 Greenleaf Street SW
Jacksonville, Calhoun County, Alabama
Facility I.D. Number 15282-015-00345
UST Incident Number: UST09-05-04
CP#17

Mailing Address:
Discount Food Mart #110
395 Greenleaf Street SW
Jacksonville, Alabama 36265

PREPARED BY:
Mid South Testing, Inc



2220 Beltline Road
Decatur, AL 35601

August 3, 2026

Table of Contents

1.0	INTRODUCTION	3
2.0	PROPOSED CORRECTIVE ACTION	5
3.0	REMEDIAL SCHEDULE	8
4.0	PROPOSED NEW MONITORING WELL INSTALLATION	9
5.0	POST INJECTION SAMPLING	10
6.0	INVESTIGATION DERIVED WASTE	11
7.0	PROPOSED REPORTING REQUIREMENTS	11
8.0	SCHEDULE OF IMPLEMENTATION	12
9.0	CLOSURE EVALUATION	13
10.0	SITE HEALTH AND SAFETY PLAN	14
	APPENDIX A-USGS TOPOGRAPHIC MAP.....	15
	APPENDIX B-SITE MAP	16
	APPENDIX C-TIER 2 SSTLS	17
	APPENDIX D-FIELD DATA SHEETS FROM PILOT TEST	18
	APPENDIX E- SDS	19
	APPENDIX F-PROPOSED TREATMENT AREA MAP	20
	APPENDIX G-UIC PERMIT	20
	APPENDIX H-PROPOSED MONITORING WELL LOCATION MAP	21
	APPENDIX I-HISTORICAL GROUNDWATER MONITORING RESULTS	22
	APPENDIX J-HEALTH AND SAFETY PLAN.....	23

1.0 INTRODUCTION

This Corrective Action Plan is submitted on behalf of the Discount Food Mart #110 site located at 395 Greenleaf Street in Jacksonville, Calhoun County, Alabama. A USGS Topographic Map depicting the site location can be found in Appendix A. The Discount Food Mart site is an active Chevron gasoline station. Presently located at this active Chevron Station are two currently in use underground storage tanks (USTs): one 12,000-gallon unleaded gasoline and one 10,000-gallon two compartment tank containing both premium grade gasoline and diesel. Three USTs: two 3,000-gallon and one 4,000-gallon gasoline were permanently closed by removal in 2002. A release was reported to ADEM in May 2009.

A total of twelve groundwater monitoring wells, installed during the Preliminary and Secondary Investigations, are presently located on/off-site. All on-site and off-site groundwater monitoring wells are depicted on the Site Map located in Appendix B.

An ARBCA Tier 1 and Tier 2 Evaluation has been completed on the Discount Food Mart site to establish Site Specific Target Levels (SSTLs). Quarterly groundwater monitoring has been ongoing at the Site since 2023 and on-site and off-site groundwater monitoring wells are below the Tier 2 SSTLs, with the exception of monitoring wells, MW-1, MW-2, MW-3, MW-3A, MW-4, MW-8, and DW-1 for Benzene and monitoring wells MW-4, MW-8, and DW-1 for MTBE. Table 1.1 depicts the levels of Benzene in each of these wells for the last four quarters of groundwater monitoring and Table 1.2 depicts the levels of MTBE in wells MW-4, MW-8, and DW-1 for the last four quarters of groundwater monitoring. All SSTLs for each receptor and pathway for the Discount Food Mart site can be found in Appendix C.

TABLE 1.1 BENZENE GROUNDWATER CONCENTRATIONS

Well Location	Benzene 4-21-26	Benzene 11-17-25	Benzene 7-16-25	Benzene 4-10-25	Benzene Tier 2 SSTL
MW-1	1.15	1.63	1.78	2.12	0.906
MW-2	1.46	1.91	1.48	1.79	0.906
MW-3	3.07	2.78	4.16	4.21	0.906
MW-3A	3.39	DRY	3.02	2.62	0.906
MW-4	4.84	4.66	6.72	7.37	0.641
MW-8	8.81	8.80	4.30	8.71	0.906
DW-1	3.42	4.96	2.52	1.99	0.906

All results in mg/L

TABLE 1.2 MTBE GROUNDWATER CONCENTRATIONS

Well Location	MTBE 4-21-26	MTBE 11-17-25	MTBE 7-16-25	MTBE 4-10-25	MTBE Tier 2 SSTL
MW-4	2.72	2.17	3.51	3.94	2.57
MW-8	12.30	9.33	5.96	13.10	3.62
DW-1	43.00	30.20	27.60	20.70	3.62

All results in mg/L

No free product has been present in on-site or off-site wells. Based on the presence of groundwater contamination at levels above the SSTLs ADEM has requested the development of a Corrective Action Plan (CAP) to address the contaminated groundwater at the Site.

2.0 PROPOSED CORRECTIVE ACTION

Mid-South Testing, Inc. (MST) reviewed the soil and groundwater data collected from all the previous site investigations and the ARBCA Report to aid in the selection of the best remedial option for the Site. MST reached out to EcoVac to see if Surfactant Enhanced Aquifer Remediation would be a viable remedial option for this site. In January 2026, EcoVac performed a no cost pilot study at the Discount Food Mart site which consisted of three vacuum influence tests. These tests gathered valuable data in helping design the remedial approach presented in this plan.

The results of the pilot test are summarized below:

1. Extraction vapor concentrations ranged from a high of 5,200 ppm from MW-8 to a low of 2,600 ppm from MW-3A.
2. The extraction air flow ranged from 64 to 87 cfm.
3. The truck vacuum applied to the wells was 25" Hg and in well vacuums ranged from 18 to 22" Hg.
4. Extracted 25 gallons of water during the 4 hr. testing.
5. Extracted 17lbs, 2.5 equivalent gallons of hydrocarbons via vapors over the 4 hrs.
6. Observed one groundwater drawdown connection in MW-9 while extracting from MW-3A.

Field data sheets from this pilot test are included in Appendix D.

Remedial efforts will be concentrated on the area beneath and surrounding the covered fuel island. This will be a Phased approach implementing remediation in three phases.

MST has partnered with EcoVac Services in the design of the SURFAC and ISCO-EFR Injection Applications and EcoVac will work in conjunction with MST during the installation on this project.

Phase I: Enhanced Fluid Recovery (EFR)

- **Action:** Apply high-vacuum dual-phase extraction.
- **Purpose:** Remove residual petroleum mass within the smear zone and dissolved-phase impacts through dual-phase extraction.
- **Result:** Lowers the water table.
- **Benefit:** Exposes the trapped "smear zone" for Phase II.

Technical Description: This phase is strictly an extraction step. High-vacuum dual-phase extraction wells pull ambient groundwater, soil vapor, and free-phase petroleum out of the formation to depress the water table. No fluids are injected at this phase of the remedial efforts.

Phase II: Surfactant-Enhanced Aquifer Remediation (SURFAC)

SURFAC® is EcoVac Services patented process combining multi-phase extraction and dual phase extraction (MPE/DPE) with surfactant injection. This technology will target LNAPLs and high concentrations of dissolved constituents in the groundwater. The Surfactants will facilitate contaminant removal by enhancing mobility through the subsurface by reducing interfacial tension and capillary forces and while also increasing contaminant solubility.

- **Action:** Inject a dilute surfactant solution into four wells over a 7-day period (MW-1, MW-8, and two proposed new wells south of the pump island MW-11 and MW-12. Proposed well, MW-13 will be used to horizontally distribute the surfactant throughout the source area.)
- **Purpose:** Desorb and encapsulate trapped residual hydrocarbons.
- **Result:** Converts immobile oil into a mobile emulsion.
- **Benefit:** Recovers bound mass via down-gradient extraction wells.
- **Primary Product:** EcoGreen (Manufactured by Rose Rock Products, LLC)
- **Concentration Range:** 2.0% to 5.0% dilute solution by volume with potable water.
- **Chemical Profile:** Proprietary blend of 2-Ethyl Hexanol EO-PO Non-ionic Surfactants SDS attached.

Approximately 100 gallons of a 2-5% EcoGreen solution will be injected into each treatment well for an estimated total injection volume of approximately 400 gallons.

Phase III: In-Situ Chemical Oxidation with EFR (ISCO-EFR)

ISCO-EFR is EcoVac Services patented technology combining MPE/DPE with in-situ chemical oxidation (ISCO). The ISCO-EFR will be implemented to reduce elevated Benzene concentrations. The selected chemical oxidant will be sodium persulfate. The oxidant can stay active for a time greater than 30 days as it migrates with the groundwater. This will aid in the treatment of the MTBE contamination.

- **Action:** Inject chemical oxidants through direct push injection points installed in the vicinity of wells 1,2,3,3A, 4, and 8 while maintaining active extraction. Approximately 100 gallons of an approximate 11% chemical oxidant solution will be injected into each boring over a five-day period.
- **Purpose:** Destroy remaining dissolved-phase hydrocarbons in place.
- **Result:** Rapidly reduces contaminant concentrations in the groundwater.
- **Benefit:** Prevents plume rebound and achieves regulatory site closure.
- **Injected Fluid:** A fully dissolved aqueous solution of KLOZUR® ONE prepared with water and injected through wells or direct-push systems for ISCO treatment
- **Primary Products:** Activated sodium persulfate oxidant consisting of KLOZUR® SP (sodium persulfate) blended with proprietary activator reagents.
- **Concentration Range: 5–20 wt.% persulfate**
- **Chemical Profile:** Sodium persulfate ($\text{Na}_2\text{S}_2\text{O}_8$) oxidant (primary active ingredient) • Chelated iron activator • Trace permanganate activator/visual indicator • Fully soluble formulation • Generates sulfate radicals ($\text{SO}_4^{\bullet-}$) and hydroxyl radicals ($\bullet\text{OH}$) for contaminant destruction.

The ISCO will be injected into the subsurface at low flow and low pressure utilizing direct push rig and tooling (DPT). The ISCO will be applied utilizing bottom-up technology and groundwater will be actively extracted from down gradient wells. This is a one-time injection process.

The Safety Data Sheets (SDSs) for the injection products can be found in Appendix E.

A Proposed Treatment Area Location Map detailing the locations for injections can be found in Appendix F.

The cleanup goal of the proposed remedial strategy is to reduce concentrations of constituents of concern to below SSTLs.

3.0 REMEDIAL SCHEDULE

- **New Monitoring Well Installation – 2 field days**
- **Phase 1: Enhanced Fluid Recovery** –This Phase will be implemented 2 days prior to SURFAC to lower the water table and facilitate injection of the surfactant. Total time to complete this phase – **2 field days**.
- **Phase 2 – SURFAC** – This Phase will be implemented into five wells to flush trapped hydrocarbons from the formation. Total time to complete this phase – **7 field days**.
- **Phase 3 – ISCO-EFR** – This Phase will be implemented around six wells to reduce dissolved phase hydrocarbons in the groundwater. Total time to complete this phase – **5 field days**.

It is anticipated that installation of this remediation technology will be completed within **16 working days**.

A UIC Permit for the Site has been prepared and submitted for approval. A copy is located in Appendix G.

Based on the levels currently present at the Discount Food Mart site, remediation to the ARBCA Tier 2 SSTLs is expected to be reached within 12 months.

4.0 PROPOSED NEW MONITORING WELL INSTALLATION

MST will mobilize a Longyear BK 66 Truck Mounted Drill Rig with 4 ¼" I.D. hollow stem augers. MST proposes to install three new permanent two-inch monitoring wells, designated MW-11, MW-12, and MW-13 within the injection area. Soil samples will not be obtained during the installation of these monitoring wells. It is anticipated that the installation of the new monitoring wells will be completed within a period of two working days.

The proposed locations for these monitoring wells are depicted on the Proposed Monitoring Well Location Map located in Appendix H.

All drilling equipment will be decontaminated between boring locations in a centrally located decon pit. The rinse water will be pumped into drums and will be disposed of by Mid-South Testing, Inc. at Green Environmental in Belle Mina, Alabama at the completion of remedial activities.

The two-inch monitoring wells will be installed to a minimum of five feet into the saturated zone. It is estimated that the wells will be set between 25 feet bgs and 30 feet bgs. The monitoring wells will be constructed using two-inch Tri-Loc PVC material consisting of no less than 5 feet of #10 slot screen and sufficient length of riser to extend the well to within two inches of the ground surface. The annular space between the borehole and the well will be backfilled with sand from the bottom of the well to a depth of two feet above the well screen, a one-foot bentonite seal, and bentonite/grout to within one-foot of the ground surface. The monitoring wells will be equipped with a locking cap and locking flush mounted cover, which will be cemented in place.

5.0 POST INJECTION SAMPLING

Following the completion of the injection efforts, samples will be collected from groundwater monitoring wells, MW-1, MW-2, MW-3, MW-3A, MW-4, MW-8, MW-11, MW-12, MW-13, and DW-1 on a quarterly basis for a minimum of three quarters and thereafter until groundwater concentrations are below applicable Tier 2 SSTLs for two consecutive monitoring events.

Following the completion of the injection efforts, samples will be collected from groundwater monitoring wells, MW-1, MW-2, MW-3, MW-3A, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-13, and DW-1 on an annual basis.

Prior to development, each monitoring well will be checked for the following pre-development field parameters: water level, pH, specific conductance, ORP, temperature, total dissolved solids, DO, and turbidity. All equipment will be calibrated prior to use and cleaned between sample events and locations.

Prior to sampling, each monitoring well will be purged utilizing a dedicated disposable bailer. A minimum of three well volumes of water will be removed from each well, unless the well is bailed dry. Wells purged dry will be allowed to recover prior to sample collection. Well development logs will be included in the Corrective Action Effective Monitoring Report (CAEMR).

Prior to sampling, each monitoring well will be checked for the following post-development field parameters: water level, pH, specific conductance, ORP, temperature, total dissolved solids, DO, and turbidity. All equipment will be calibrated prior to use and cleaned between sample events and locations. Each monitoring well will be observed for free product during development and sampling procedures.

Each monitoring well will be sampled utilizing a dedicated disposable bailer. All groundwater samples will be placed into appropriate sample containers, packed in a cooler with ice, and transported along with chain of custody to an accredited laboratory for analysis. All groundwater samples will be analyzed for the presence of BTEX, MTBE, and Naphthalene using EPA Method 8260.

Appendix G contains the UIC permit for the proposed injections. The following downgradient monitoring wells will be sampled for the following UIC Permit parameters:

- MW-5, MW-6, MW-9, and MW-10: Sulfate, pH, Nitrate.

These downgradient monitoring wells will be sampled before injection begins (baseline) and quarterly thereafter.

Historical groundwater monitoring well results are presented in tabular form in Appendix I.

6.0 INVESTIGATION DERIVED WASTE

All water generated during remedial activities will be placed into 55-gallon drums on-site. At the conclusion of Corrective Action activities, MST will pick up the investigation derived waste and transport it to Green Environmental located in Belle Mina, Alabama, for disposal. Disposal documentation will be included in the Corrective Action Implementation Report.

7.0 PROPOSED REPORTING REQUIREMENTS

MST proposes to submit to ADEM a Corrective Action Implementation Report, which will include details on injections, analytical results from the initial sampling events, and copies of any permits issued within 45 days of completion of injection activities.

8.0 SCHEDULE OF IMPLEMENTATION

MST will notify ADEM five days in advance of any planned corrective action field work and estimates site activities will be completed according to the following schedule:

SURFAC and ISCO-EFR– Total Days – 16 days

- It is estimated that the installation of the SURFAC and ISCO-EFR injections will be completed within approximately three weeks, pending site and weather conditions

Post Injection Sampling – At a minimum 90 Total Days

- Monitoring Wells: MW-1, MW-2, MW-3, MW-3A, MW-4, MW-8, MW-11, MW-12, MW-13, and DW-1, will be sampled and analyzed quarterly for a minimum of three quarters following injection efforts for BTEX, MTBE, and Naphthalene
- Monitoring Wells: MW-5, MW-6, MW-9, and MW-10 will be sampled and analyzed immediately prior to injection and for a minimum of three quarters post injection efforts for UIC parameters: Nitrate, Sulfate, and pH
- Monitoring Wells: MW-5, MW-6, MW-7, MW-9, MW-10, will be added to the sampling and analyzed annually for one event post injection for BTEX, MTBE, and Naphthalene

9.0 CLOSURE EVALUATION

Remedial monitoring will continue until groundwater concentrations are below applicable Tier 2 SSTLs for two consecutive quarterly monitoring events, the plume is stable or shrinking, all downgradient wells are below SSTLs, and approval to terminate corrective action is received from ADEM.

It is anticipated that site clean up to the Tier 2 SSTLs will be achieved within one year of injection. This time frame may be adjusted based on observed results during quarterly groundwater monitoring post injection.

All sites respond differently to remediation treatment. Site constraints that are unanticipated at this time may require additional efforts and treatment events to achieve all cleanup standards. We will evaluate on a quarterly basis and keep ADEM apprised of the progress observed.

10.0 SITE HEALTH AND SAFETY PLAN

A site-specific Health and Safety Plan (HASP) for proposed corrective action activities at the Discount Food Mart site is included in Appendix J. The HASP has been designed to address the proposed corrective actions and monitoring activities at the site. Project personnel will be familiar with the HASP prior to performing any work at the site. The HASP will be kept on site throughout the duration of the project.

APPENDIX A-USGS TOPOGRAPHIC MAP



USGS TOPOGRAPHIC MAP

LAT: 33°48'15.26" N
LONG: 85°46'15.52" W

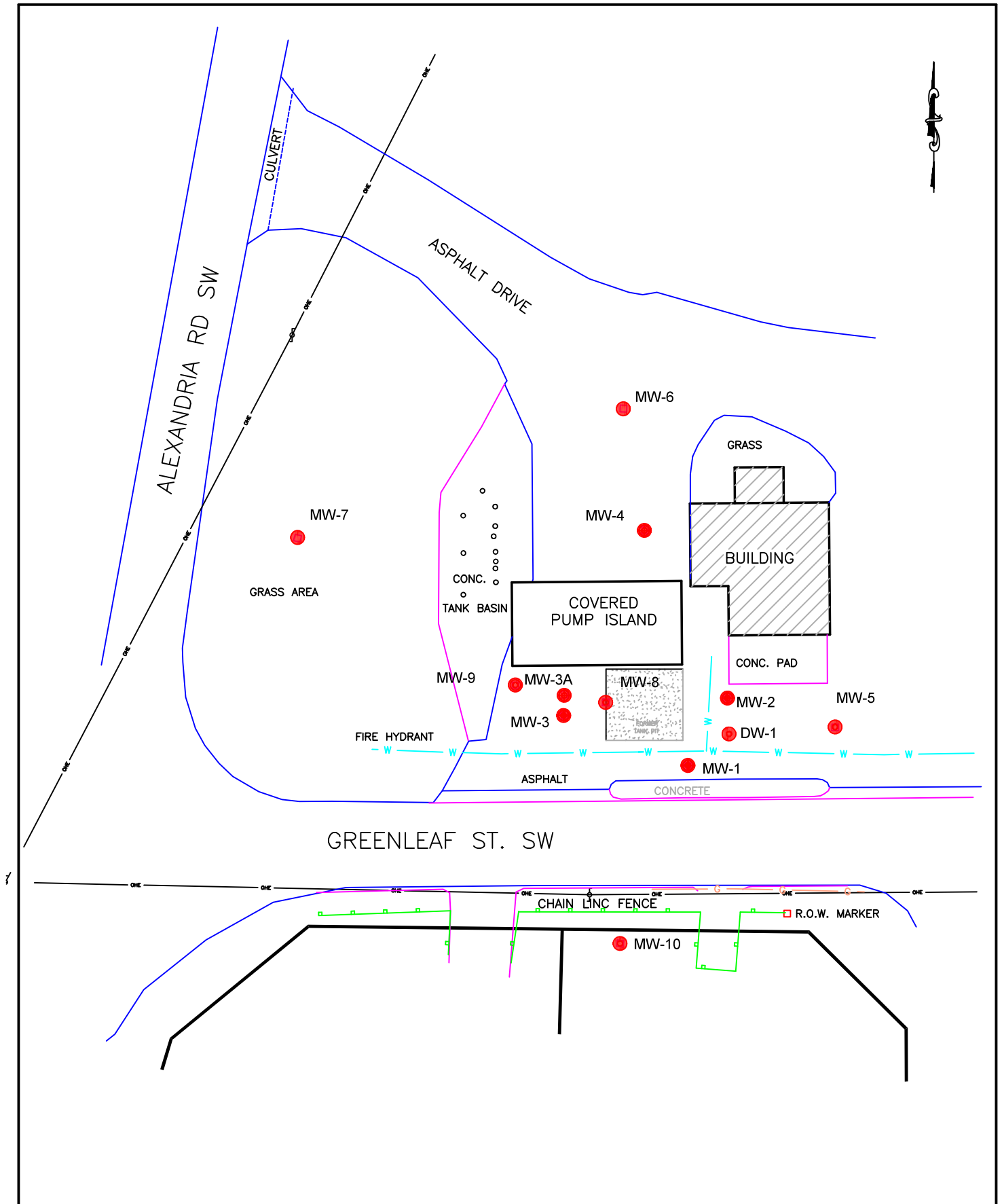


MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title	Scale: N.T.S.	Project No: 22-01-0333
	Project	Date: 3 AUG 2022	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-2022

USGS TOPOGRAPHIC MAP
DISCOUNT FOODMART #110

APPENDIX B-SITE MAP



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title SITE MAP	Scale: 1" = 40'	Project No: 22-01-0333
	Project DISCOUNT FOOD MART #110	Date: 23 OCT 23	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-23

APPENDIX C-TIER 2 SSTLS

GROUNDWATER RESOURCE PROTECTION - WITHOUT BIODEGRADATION

CHEMICALS OF CONCERN	Target Groundwater Conc.at POE [mg/L]	Dry Leaching Factor to Groundwater (LF _{sw}) [mg/L]/[mg/kg]	User Specified Unsaturated Zone DAF	Saturated Zone DAF		Allowable Soil Conc. Protective of GW at the POE [mg/kg]	Allowable GW Conc.	
				for POC	for POE		at a POC Protective of a POE [mg/L]	at the Source Protective of a POE [mg/L]
ORGANICS								
Benzene	5.00E-03	3.61E-01	1	1.41E+00	1.81E+02	2.51E+00	6.41E-01	9.06E-01
Toluene	1.00E+00	1.70E-01	1	1.41E+00	1.81E+02	1.07E+03	1.28E+02	1.81E+02
Ethylbenzene	7.00E-01	1.18E-01	1	1.41E+00	1.81E+02	1.07E+03	8.98E+01	1.27E+02
Xylenes (mixed)	1.00E+01	9.76E-02	1	1.41E+00	1.81E+02	1.57E+03	1.75E+02	1.75E+02
Methyl-tert-butyl-ether (MTBE)*	2.00E-02	1.30E+00	1	1.41E+00	1.81E+02	2.79E+00	2.57E+00	3.62E+00
Anthracene	--	1.07E-03	1	1.41E+00	1.81E+02	3.57E+01	4.34E-02	4.34E-02
Benzo(a)anthracene	--	7.00E-05	1	1.41E+00	1.81E+02	1.18E+02	9.40E-03	9.40E-03
Benzo(a)pyrene	--	2.59E-05	1	1.41E+00	1.81E+02	5.49E+01	1.62E-03	1.62E-03
Benzo(b)fluoranthene	--	2.04E-05	1	1.41E+00	1.81E+02	6.46E+01	1.50E-03	1.50E-03
Benzo(g,h,i)perylene	--	1.59E-05	1	1.41E+00	1.81E+02	3.87E+01	7.00E-04	7.00E-04
Benzo(k)fluoranthene	--	2.04E-05	1	1.41E+00	1.81E+02	3.44E+01	8.00E-04	8.00E-04
Chrysene	--	6.30E-05	1	1.41E+00	1.81E+02	2.23E+01	1.60E-03	1.60E-03
Fluoranthene	--	5.11E-04	1	1.41E+00	1.81E+02	3.54E+02	2.06E-01	2.06E-01
Fluorene	--	3.25E-03	1	1.41E+00	1.81E+02	5.35E+02	1.98E+00	1.98E+00
Naphthalene	2.00E-02	2.09E-02	1	1.41E+00	1.81E+02	1.73E+02	2.57E+00	3.62E+00
Phenanthrene	--	1.78E-03	1	1.41E+00	1.81E+02	4.94E+02	1.00E+00	1.00E+00
Pyrene	--	3.69E-04	1	1.41E+00	1.81E+02	3.21E+02	1.35E-01	1.35E-01
METALS								
Arsenic	--	1.36E-02	1	1.41E+00	1.81E+02	--	NA	NA
Barium	--	2.13E-02	1	1.41E+00	1.81E+02	--	NA	NA
Cadmium	--	1.17E-02	1	1.41E+00	1.81E+02	--	NA	NA
Chromium VI	--	4.56E-02	1	1.41E+00	1.81E+02	--	NA	NA
Lead	--	7.18E-03	1	1.41E+00	1.81E+02	--	NA	NA
Zinc	--	1.41E-02	1	1.41E+00	1.81E+02	--	NA	NA

*: Calculated concentrations exceeded saturated soil concentration and hence saturated soil concentrations are listed soil concentrations protective of groundwater.

#: Calculated concentrations exceeded pure component water solubility and hence water solubilities are listed as allowable groundwater concentrations at the POE and/or POC.

Soil concentrations are presented on a dry weight basis.

NA: Not available

GROUNDWATER RESOURCE PROTECTION - WITHOUT BIODEGRADATION

CHEMICALS OF CONCERN	Target Groundwater Conc.at POE [mg/L]	Dry Leaching Factor to Groundwater (LF _{sw}) [mg/L]/[mg/kg]	User Specified Unsaturated Zone DAF	Saturated Zone DAF		Allowable Soil Conc. Protective of GW at the POE [mg/kg]	Allowable GW Conc.	
				for POC	for POE		at a POC Protective of a POE [mg/L]	at the Source Protective of a POE [mg/L]
ORGANICS								
Benzene	5.00E-03	3.61E-01	1	2.30E+00	1.81E+02	2.51E+00	3.93E-01	9.06E-01
Toluene	1.00E+00	1.70E-01	1	2.30E+00	1.81E+02	1.07E+03	7.87E+01	1.81E+02
Ethylbenzene	7.00E-01	1.18E-01	1	2.30E+00	1.81E+02	1.07E+03	5.51E+01	1.27E+02
Xylenes (mixed)	1.00E+01	9.76E-02	1	2.30E+00	1.81E+02	1.57E+03	1.75E+02	1.75E+02
Methyl-tert-butyl-ether (MTBE)*	2.00E-02	1.30E+00	1	2.30E+00	1.81E+02	2.79E+00	1.57E+00	3.62E+00
Anthracene	--	1.07E-03	1	2.30E+00	1.81E+02	3.57E+01	4.34E-02	4.34E-02
Benzo(a)anthracene	--	7.00E-05	1	2.30E+00	1.81E+02	1.18E+02	9.40E-03	9.40E-03
Benzo(a)pyrene	--	2.59E-05	1	2.30E+00	1.81E+02	5.49E+01	1.62E-03	1.62E-03
Benzo(b)fluoranthene	--	2.04E-05	1	2.30E+00	1.81E+02	6.46E+01	1.50E-03	1.50E-03
Benzo(g,h,i)perylene	--	1.59E-05	1	2.30E+00	1.81E+02	3.87E+01	7.00E-04	7.00E-04
Benzo(k)fluoranthene	--	2.04E-05	1	2.30E+00	1.81E+02	3.44E+01	8.00E-04	8.00E-04
Chrysene	--	6.30E-05	1	2.30E+00	1.81E+02	2.23E+01	1.60E-03	1.60E-03
Fluoranthene	--	5.11E-04	1	2.30E+00	1.81E+02	3.54E+02	2.06E-01	2.06E-01
Fluorene	--	3.25E-03	1	2.30E+00	1.81E+02	5.35E+02	1.98E+00	1.98E+00
Naphthalene	2.00E-02	2.09E-02	1	2.30E+00	1.81E+02	1.73E+02	1.57E+00	3.62E+00
Phenanthrene	--	1.78E-03	1	2.30E+00	1.81E+02	4.94E+02	1.00E+00	1.00E+00
Pyrene	--	3.69E-04	1	2.30E+00	1.81E+02	3.21E+02	1.35E-01	1.35E-01
METALS								
Arsenic	--	1.36E-02	1	2.30E+00	1.81E+02	--	NA	NA
Barium	--	2.13E-02	1	2.30E+00	1.81E+02	--	NA	NA
Cadmium	--	1.17E-02	1	2.30E+00	1.81E+02	--	NA	NA
Chromium VI	--	4.56E-02	1	2.30E+00	1.81E+02	--	NA	NA
Lead	--	7.18E-03	1	2.30E+00	1.81E+02	--	NA	NA
Zinc	--	1.41E-02	1	2.30E+00	1.81E+02	--	NA	NA

*: Calculated concentrations exceeded saturated soil concentration and hence saturated soil concentrations are listed soil concentrations protective of groundwater.
#: Calculated concentrations exceeded pure component water solubility and hence water solubilities are listed as allowable groundwater concentrations at the POE and/or POC.
Soil concentrations are presented on a dry weight basis.
NA: Not available

GROUNDWATER RESOURCE PROTECTION - WITHOUT BIODEGRADATION

CHEMICALS OF CONCERN	Target Groundwater Conc.at POE [mg/L]	Dry Leaching Factor to Groundwater (LF _{sw})	User Specified Unsaturated Zone DAF	Saturated Zone DAF		Allowable Soil Conc. Protective of GW at the POE [mg/kg]	Allowable GW Conc.	
				for POC	for POE		at a POC Protective of a POE [mg/L]	at the Source Protective of a POE [mg/L]
ORGANICS								
Benzene Toluene Ethylbenzene Xylenes (mixed) Methyl-tert-butyl-ether (MTBE)* Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benzo(k)fluoranthene Chrysene Fluoranthene Fluorene Naphthalene Phenanthrene Pyrene	5.00E-03	3.61E-01	1	1.00E+00	1.81E+02	2.51E+00	9.06E-01	9.06E-01
	1.00E+00	1.70E-01	1	1.00E+00	1.81E+02	1.07E+03	1.81E+02	1.81E+02
	7.00E-01	1.18E-01	1	1.00E+00	1.81E+02	1.07E+03	1.27E+02	1.27E+02
	1.00E+01	9.76E-02	1	1.00E+00	1.81E+02	1.57E+03	1.75E+02	1.75E+02
	2.00E-02	1.30E+00	1	1.00E+00	1.81E+02	2.79E+00	3.62E+00	3.62E+00
	--	1.07E-03	1	1.00E+00	1.81E+02	3.57E+01	4.34E-02	4.34E-02
	--	7.00E-05	1	1.00E+00	1.81E+02	1.18E+02	9.40E-03	9.40E-03
	--	2.59E-05	1	1.00E+00	1.81E+02	5.49E+01	1.62E-03	1.62E-03
	--	2.04E-05	1	1.00E+00	1.81E+02	6.46E+01	1.50E-03	1.50E-03
	--	1.59E-05	1	1.00E+00	1.81E+02	3.87E+01	7.00E-04	7.00E-04
	--	2.04E-05	1	1.00E+00	1.81E+02	3.44E+01	8.00E-04	8.00E-04
	--	6.30E-05	1	1.00E+00	1.81E+02	2.23E+01	1.60E-03	1.60E-03
	--	5.11E-04	1	1.00E+00	1.81E+02	3.54E+02	2.06E-01	2.06E-01
	--	3.25E-03	1	1.00E+00	1.81E+02	5.35E+02	1.98E+00	1.98E+00
	2.00E-02	2.09E-02	1	1.00E+00	1.81E+02	1.73E+02	3.62E+00	3.62E+00
--	1.78E-03	1	1.00E+00	1.81E+02	4.94E+02	1.00E+00	1.00E+00	
--	3.69E-04	1	1.00E+00	1.81E+02	3.21E+02	1.35E-01	1.35E-01	
METALS								
Arsenic	--	1.36E-02	1	1.00E+00	1.81E+02	--	NA	NA
Barium	--	2.13E-02	1	1.00E+00	1.81E+02	--	NA	NA
Cadmium	--	1.17E-02	1	1.00E+00	1.81E+02	--	NA	NA
Chromium VI	--	4.56E-02	1	1.00E+00	1.81E+02	--	NA	NA
Lead	--	7.18E-03	1	1.00E+00	1.81E+02	--	NA	NA
Zinc	--	1.41E-02	1	1.00E+00	1.81E+02	--	NA	NA

*: Calculated concentrations exceeded saturated soil concentration and hence saturated soil concentrations are listed soil concentrations protective of groundwater.

#: Calculated concentrations exceeded pure component water solubility and hence water solubilities are listed as allowable groundwater concentrations at the POE and/or POC.

Soil concentrations are presented on a dry weight basis.

NA: Not available

GROUNDWATER RESOURCE PROTECTION - WITHOUT BIODEGRADATION

CHEMICALS OF CONCERN	Target Groundwater Conc.at POE [mg/L]	Dry Leaching Factor to Groundwater (LF _{sw}) [mg/L]/[mg/kg]	User Specified Unsaturated Zone DAF	Saturated Zone DAF		Allowable Soil Conc. Protective of GW at the POE [mg/kg]	Allowable GW Conc.	
				for POC	for POE		at a POC Protective of a POE [mg/L]	at the Source Protective of a POE [mg/L]
ORGANICS								
Benzene	5.00E-03	3.61E-01	1	1.03E+00	1.81E+02	2.51E+00	8.81E-01	9.06E-01
Toluene	1.00E+00	1.70E-01	1	1.03E+00	1.81E+02	1.07E+03	1.76E+02	1.81E+02
Ethylbenzene	7.00E-01	1.18E-01	1	1.03E+00	1.81E+02	1.07E+03	1.23E+02	1.27E+02
Xylenes (mixed)	1.00E+01	9.76E-02	1	1.03E+00	1.81E+02	1.57E+03	1.75E+02	1.75E+02
Methyl-tert-butyl-ether (MTBE)*	2.00E-02	1.30E+00	1	1.03E+00	1.81E+02	2.79E+00	3.53E+00	3.62E+00
Anthracene	--	1.07E-03	1	1.03E+00	1.81E+02	3.57E+01	4.34E-02	4.34E-02
Benzo(a)anthracene	--	7.00E-05	1	1.03E+00	1.81E+02	1.18E+02	9.40E-03	9.40E-03
Benzo(a)pyrene	--	2.59E-05	1	1.03E+00	1.81E+02	5.49E+01	1.62E-03	1.62E-03
Benzo(b)fluoranthene	--	2.04E-05	1	1.03E+00	1.81E+02	6.46E+01	1.50E-03	1.50E-03
Benzo(g,h,i)perylene	--	1.59E-05	1	1.03E+00	1.81E+02	3.87E+01	7.00E-04	7.00E-04
Benzo(k)fluoranthene	--	2.04E-05	1	1.03E+00	1.81E+02	3.44E+01	8.00E-04	8.00E-04
Chrysene	--	6.30E-05	1	1.03E+00	1.81E+02	2.23E+01	1.60E-03	1.60E-03
Fluoranthene	--	5.11E-04	1	1.03E+00	1.81E+02	3.54E+02	2.06E-01	2.06E-01
Fluorene	--	3.25E-03	1	1.03E+00	1.81E+02	5.35E+02	1.98E+00	1.98E+00
Naphthalene	2.00E-02	2.09E-02	1	1.03E+00	1.81E+02	1.73E+02	3.53E+00	3.62E+00
Phenanthrene	--	1.78E-03	1	1.03E+00	1.81E+02	4.94E+02	1.00E+00	1.00E+00
Pyrene	--	3.69E-04	1	1.03E+00	1.81E+02	3.21E+02	1.35E-01	1.35E-01
METALS								
Arsenic	--	1.36E-02	1	1.03E+00	1.81E+02	--	NA	NA
Barium	--	2.13E-02	1	1.03E+00	1.81E+02	--	NA	NA
Cadmium	--	1.17E-02	1	1.03E+00	1.81E+02	--	NA	NA
Chromium VI	--	4.56E-02	1	1.03E+00	1.81E+02	--	NA	NA
Lead	--	7.18E-03	1	1.03E+00	1.81E+02	--	NA	NA
Zinc	--	1.41E-02	1	1.03E+00	1.81E+02	--	NA	NA

*: Calculated concentrations exceeded saturated soil concentration and hence saturated soil concentrations are listed soil concentrations protective of groundwater.

#: Calculated concentrations exceeded pure component water solubility and hence water solubilities are listed as allowable groundwater concentrations at the POE and/or POC.

Soil concentrations are presented on a dry weight basis.

NA: Not available

GROUNDWATER RESOURCE PROTECTION - WITHOUT BIODEGRADATION

CHEMICALS OF CONCERN		Target Groundwater Conc.at POE	Dry Leaching Factor to Groundwater (LF _{sw})	User Specified Unsaturated Zone DAF	Saturated Zone DAF for POE		Allowable Soil Conc. Protective of GW at the POE	Allowable GW Conc. at a POC Protective of a POE	
		[mg/L]	[mg/L]/[mg/kg]	[--]	[--]		[mg/kg]	POE [mg/L]	at the Source POE [mg/L]
ORGANICS									
Benzene	5.00E-03	3.61E-01	1	1.61E+00	1.81E+02	2.51E+00	5.62E-01	9.06E-01	
Toluene	1.00E+00	1.70E-01	1	1.61E+00	1.81E+02	1.07E+03	1.12E+02	1.81E+02	
Ethylbenzene	7.00E-01	1.18E-01	1	1.61E+00	1.81E+02	1.07E+03	7.87E+01	1.27E+02	
Xylenes (mixed)	1.00E+01	9.76E-02	1	1.61E+00	1.81E+02	1.57E+03	1.75E+02	1.75E+02	#
Methyl-tert-butyl-ether (MTBE)*	2.00E-02	1.30E+00	1	1.61E+00	1.81E+02	2.79E+00	2.25E+00	3.62E+00	
Anthracene	--	1.07E-03	1	1.61E+00	1.81E+02	3.57E+01	4.34E-02	4.34E-02	#
Benzo(a)anthracene	--	7.00E-05	1	1.61E+00	1.81E+02	1.18E+02	9.40E-03	9.40E-03	#
Benzo(a)pyrene	--	2.59E-05	1	1.61E+00	1.81E+02	5.49E+01	1.62E-03	1.62E-03	#
Benzo(b)fluoranthene	--	2.04E-05	1	1.61E+00	1.81E+02	6.46E+01	1.50E-03	1.50E-03	#
Benzo(g,h,i)perylene	--	1.59E-05	1	1.61E+00	1.81E+02	3.87E+01	7.00E-04	7.00E-04	#
Benzo(k)fluoranthene	--	2.04E-05	1	1.61E+00	1.81E+02	3.44E+01	8.00E-04	8.00E-04	#
Chrysene	--	6.30E-05	1	1.61E+00	1.81E+02	2.23E+01	1.60E-03	1.60E-03	#
Fluoranthene	--	5.11E-04	1	1.61E+00	1.81E+02	3.54E+02	2.06E-01	2.06E-01	#
Fluorene	--	3.25E-03	1	1.61E+00	1.81E+02	5.35E+02	1.98E+00	1.98E+00	#
Naphthalene	2.00E-02	2.09E-02	1	1.61E+00	1.81E+02	1.73E+02	2.25E+00	3.62E+00	
Phenanthrene	--	1.78E-03	1	1.61E+00	1.81E+02	4.94E+02	1.00E+00	1.00E+00	
Pyrene	--	3.69E-04	1	1.61E+00	1.81E+02	3.21E+02	1.35E-01	1.35E-01	#
METALS									
Arsenic	--	1.36E-02	1	1.61E+00	1.81E+02	--	NA	NA	
Barium	--	2.13E-02	1	1.61E+00	1.81E+02	--	NA	NA	
Cadmium	--	1.17E-02	1	1.61E+00	1.81E+02	--	NA	NA	
Chromium VI	--	4.56E-02	1	1.61E+00	1.81E+02	--	NA	NA	
Lead	--	7.18E-03	1	1.61E+00	1.81E+02	--	NA	NA	
Zinc	--	1.41E-02	1	1.61E+00	1.81E+02	--	NA	NA	

*: Calculated concentrations exceeded saturated soil concentration and hence saturated soil concentrations are listed soil concentrations protective of groundwater.

#: Calculated concentrations exceeded pure component water solubility and hence water solubilities are listed as allowable groundwater concentrations at the POE and/or POC. Soil concentrations are presented on a dry weight basis.

NA: Not available

GROUNDWATER RESOURCE PROTECTION - WITHOUT BIODEGRADATION

CHEMICALS OF CONCERN	Target Groundwater Conc. at POE	Dry Leaching Factor to Groundwater (L _{fsw})	User Specified Unsaturated Zone DAF	Saturated Zone DAF		Allowable Soil Conc. Protective of GW at the POE	Allowable GW Conc.	
	[mg/L]	[mg/L]/[mg/kg]	[--]	for POC	for POE	[mg/kg]	at a POC	at the Source Protective of a POE
				[--]	[--]		POE	[mg/L]
ORGANICS								
Benzene	5.00E-03	3.61E-01	1	3.37E+00	1.81E+02	2.51E+00	2.69E-01	9.06E-01
Toluene	1.00E+00	1.70E-01	1	3.37E+00	1.81E+02	1.07E+03	5.37E-01	1.81E+02
Ethylbenzene	7.00E-01	1.18E-01	1	3.37E+00	1.81E+02	1.07E+03	3.76E+01	1.27E+02
Xylenes (mixed)	1.00E+01	9.76E-02	1	3.37E+00	1.81E+02	1.57E+03	1.75E+02	1.75E+02
Methyl-tert-butyl-ether (MTBE)*	2.00E-02	1.30E+00	1	3.37E+00	1.81E+02	2.79E+00	1.07E+00	3.62E+00
Anthracene	--	1.07E-03	1	3.37E+00	1.81E+02	3.57E+01	4.34E-02	4.34E-02
Benzo(a)anthracene	--	7.00E-05	1	3.37E+00	1.81E+02	1.18E+02	9.40E-03	9.40E-03
Benzo(a)pyrene	--	2.59E-05	1	3.37E+00	1.81E+02	5.49E+01	1.62E-03	1.62E-03
Benzo(b)fluoranthene	--	2.04E-05	1	3.37E+00	1.81E+02	6.46E+01	1.50E-03	1.50E-03
Benzo(g,h,i)perylene	--	1.59E-05	1	3.37E+00	1.81E+02	3.87E+01	7.00E-04	7.00E-04
Benzo(k)fluoranthene	--	2.04E-05	1	3.37E+00	1.81E+02	3.44E+01	8.00E-04	8.00E-04
Chrysene	--	6.30E-05	1	3.37E+00	1.81E+02	2.23E+01	1.60E-03	1.60E-03
Fluoranthene	--	5.11E-04	1	3.37E+00	1.81E+02	3.54E+02	2.06E-01	2.06E-01
Fluorene	--	3.25E-03	1	3.37E+00	1.81E+02	5.35E+02	1.98E+00	1.98E+00
Naphthalene	2.00E-02	2.09E-02	1	3.37E+00	1.81E+02	1.73E+02	1.07E+00	3.62E+00
Phenanthrene	--	1.78E-03	1	3.37E+00	1.81E+02	4.94E+02	1.00E+00	1.00E+00
Pyrene	--	3.69E-04	1	3.37E+00	1.81E+02	3.21E+02	1.35E-01	1.35E-01
METALS								
Arsenic	--	1.36E-02	1	3.37E+00	1.81E+02	--	NA	NA
Barium	--	2.13E-02	1	3.37E+00	1.81E+02	--	NA	NA
Cadmium	--	1.17E-02	1	3.37E+00	1.81E+02	--	NA	NA
Chromium VI	--	4.56E-02	1	3.37E+00	1.81E+02	--	NA	NA
Lead	--	7.18E-03	1	3.37E+00	1.81E+02	--	NA	NA
Zinc	--	1.41E-02	1	3.37E+00	1.81E+02	--	NA	NA

*: Calculated concentrations exceeded saturated soil concentration and hence saturated soil concentrations are listed soil concentrations protective of groundwater.

#: Calculated concentrations exceeded pure component water solubility and hence water solubilities are listed as allowable groundwater concentrations at the POE and/or POC.

Soil concentrations are presented on a dry weight basis.

NA: Not available

GROUNDWATER RESOURCE PROTECTION - WITHOUT BIODEGRADATION

CHEMICALS OF CONCERN	Target Groundwater Conc.at POE [mg/L]	Dry Leaching Factor to Groundwater (LFsw) [mg/L]/[mg/kg]	User Specified Unsaturated Zone DAF	Saturated Zone DAF for POE		Allowable Soil Conc. Protective of GW at the POE [mg/kg]	Allowable GW Conc.	
				for POC	for POE		at a POC Protective of a POE [mg/L]	at the Source Protective of a POE [mg/L]
ORGANICS								
Benzene	5.00E-03	3.61E-01	1	4.94E+00	1.81E+02	2.51E+00	1.84E-01	9.06E-01
Toluene	1.00E+00	1.70E-01	1	4.94E+00	1.81E+02	1.07E+03	3.67E+01	1.81E+02
Ethylbenzene	7.00E-01	1.18E-01	1	4.94E+00	1.81E+02	1.07E+03	2.57E+01	1.27E+02
Xylenes (mixed)	1.00E+01	9.76E-02	1	4.94E+00	1.81E+02	1.57E+03	1.75E+02	1.75E+02
Methyl-tert-butyl-ether (MTBE)*	2.00E-02	1.30E+00	1	4.94E+00	1.81E+02	2.79E+00	7.34E-01	3.62E+00
Anthracene	--	1.07E-03	1	4.94E+00	1.81E+02	3.57E+01	4.34E-02	4.34E-02
Benzo(a)anthracene	--	7.00E-05	1	4.94E+00	1.81E+02	1.18E+02	9.40E-03	9.40E-03
Benzo(a)pyrene	--	2.59E-05	1	4.94E+00	1.81E+02	5.49E+01	1.62E-03	1.62E-03
Benzo(b)fluoranthene	--	2.04E-05	1	4.94E+00	1.81E+02	6.46E+01	1.50E-03	1.50E-03
Benzo(g,h,i)perylene	--	1.59E-05	1	4.94E+00	1.81E+02	3.87E+01	7.00E-04	7.00E-04
Benzo(k)fluoranthene	--	2.04E-05	1	4.94E+00	1.81E+02	3.44E+01	8.00E-04	8.00E-04
Chrysene	--	6.30E-05	1	4.94E+00	1.81E+02	2.23E+01	1.60E-03	1.60E-03
Fluoranthene	--	5.11E-04	1	4.94E+00	1.81E+02	3.54E+02	2.06E-01	2.06E-01
Fluorene	--	3.25E-03	1	4.94E+00	1.81E+02	5.35E+02	1.98E+00	1.98E+00
Naphthalene	2.00E-02	2.09E-02	1	4.94E+00	1.81E+02	1.73E+02	7.34E-01	3.62E+00
Phenanthrene	--	1.78E-03	1	4.94E+00	1.81E+02	4.94E+02	1.00E+00	1.00E+00
Pyrene	--	3.69E-04	1	4.94E+00	1.81E+02	3.21E+02	1.35E-01	1.35E-01
METALS								
Arsenic	--	1.36E-02	1	4.94E+00	1.81E+02	--	NA	NA
Barium	--	2.13E-02	1	4.94E+00	1.81E+02	--	NA	NA
Cadmium	--	1.17E-02	1	4.94E+00	1.81E+02	--	NA	NA
Chromium VI	--	4.56E-02	1	4.94E+00	1.81E+02	--	NA	NA
Lead	--	7.18E-03	1	4.94E+00	1.81E+02	--	NA	NA
Zinc	--	1.41E-02	1	4.94E+00	1.81E+02	--	NA	NA

*: Calculated concentrations exceeded saturated soil concentration and hence saturated soil concentrations are listed soil concentrations protective of groundwater.

#: Calculated concentrations exceeded pure component water solubility and hence water solubilities are listed as allowable groundwater concentrations at the POE and/or POC.

Soil concentrations are presented on a dry weight basis.

NA: Not available

APPENDIX D-FIELD DATA SHEETS FROM PILOT TEST



The World Leader in Mobile Dual-Phase/Multi-Phase Extraction
Patented SURFAC® | ISCO-EFR® | SOLV-IT® Technologies

June 24, 2026

Ms. Suzanne M. Holm
Project Geologist
Mid-South Testing, Inc.
2220 Beltline Road SW
Decatur, AL 35601

Subject: Proposal to Provide Remediation Services
Discount Food Mart #110
395 Greenleaf Street
Jacksonville, Alabama

Dear Ms. Holm:

Thank you for the opportunity to provide innovative and cost-effective environmental solutions to Mid-South Testing, Inc. (Mid-South). EcoVac proposes implementation of our Enhanced Fluid Recovery (EFR®), SURFAC®, and ISCO-EFR® technologies at the Discount Food Mart #110 site located at 395 Greenleaf Street, Jacksonville, Alabama to remediate the western portion of the hydrocarbon plume. EFR® is a mobile multi-phase/dual-phase extraction (MPE/DPE) technology shown to be effective for mass removal of hydrocarbons in soils and groundwater. SURFAC® combines surfactant injection with EFR®. ISCO-EFR® combines chemical oxidant injection with EFR®.

Site/Proposal Background

Based on a review of the site information received by EcoVac, and the ½ day EFR® Pilot Testing results, there appears to be a need to do a local surfactant flush in the vicinity around MW-1 and MW-8. Based on laboratory soil analytical results, there appears to be, or at least has been, some mass localized in the area of these two wells, at depth. The remainder of the soil analyses indicated low levels of contaminants, and do not appear to have a significant amount of mass in those areas. Our tests, in particular the EFR® extraction, indicate lower amounts/quantities of hydrocarbon mass in most locations in the plume. Therefore, in addition to the local proposed surfactant flushing, EcoVac proposes a chemical oxidation as the major remediation technology for cleanup to the benzene and MTBE criteria.

EcoVac Services - PO Box 5306 – Norman, Oklahoma 73070
(405) 360-1552
www.ecovacservices.com

In addition, due to the low permeable nature of the sediments, EcoVac would recommend the installation of two additional remediation wells in the area around MW-1 and MW-8.

EFR Pilot Test

The following is a few bullet points detailing some of the results from the ½ day EFR® extraction completed by EcoVac on January 8, 2026. These results were also used to determine the proposed remedial approach.

1. Extraction vapor concentrations ranged from a high of 5,200 ppm from MW-8, to a low of 2,600 ppm from MW-3A.
2. The extraction air flow ranged from 64 to 87 CFM.
3. The truck vacuum applied to the wells was 25" Hg, and in-well vacuums ranged from 18 to 22" Hg.
4. Extracted 25 gallons of water during the 4 hour testing.
5. Extracted 17 lbs, 2.5 equivalent gallons of hydrocarbons via vapors over the 4 hours.
6. Did not measure/observe a vacuum connection between wells during the extraction.
7. Observed one groundwater drawdown connection, in MW-9 while extracting from MW-3A

The field data sheets summarizing this information are attached.

Remedial Technologies

The following sections are brief summaries of the technologies proposed to complete this remediation.

EFR®

EFR® is a mobile form of high-vacuum MPE/DPE used to remove separate phase hydrocarbons (SPH) from the water table (originally developed by EcoVac). EcoVac's trucks are equipped with dual rotary-vane pumps capable of generating sustained vacuum levels of 29" of mercury (inHg), and 330 Cubic Feet per Minute (CFM) per pump.

EFR® removes multiple phases of hydrocarbons (liquid, dissolved, adsorbed and vapor phase) simultaneously by extracting the fuel, vapors, and contaminated groundwater from monitor or recovery wells. In most instances, multiple wells installed within the contaminate plume are

utilized for extraction in unison. EFR® has also been highly successful in removing contamination from sites impacted by other organic chemicals such as acetone and various chlorinated solvents present in soil and groundwater.

EcoVac's EFR® technology utilizes a specially designed truck-mounted vacuum and liquid handling system integrated with a mobile hydrocarbon vapor treatment system (as necessary). High vacuum is applied to multiple monitoring or recovery wells fitted with proprietary headers equipped with drop-tubes. The drop-tubes allow for control of the fluid elevation in each well. Vacuum is then able to forcefully remove contaminated liquids and vapors pulled into the extraction wells from the vadose zone, capillary fringe, and the saturated zone simultaneously. Extracted liquids are safely contained in the mobile transport unit and potentially harmful volatile vapor emissions can be treated by the integrated vapor treatment system.

SURFAC®

SURFAC® is EcoVac Services' **patented** process combining MPE/DPE (EFR®) with surfactant injection. This technology targets sites with light non-aqueous phase liquids (LNAPLs), dense non-aqueous phase liquids (DNAPL), or high concentrations of their respective dissolved constituents. This approach incorporates the use of non-ionic, non-toxic and biodegradable proprietary surfactants combined with mobile MPE/DPE (EFR®). Surfactants facilitate contaminant removal primarily by means of enhancing mobility of the contaminant through the subsurface by reducing interfacial tension and capillary forces while also increasing contaminant solubility.

SURFAC® combines the elements of surfactant emplacement with MPE/DPE (EFR®) extraction. This approach incorporates the use of non-ionic, non-toxic and biodegradable proprietary surfactants. Our operations are entirely mobile and temporal, negating the need to install trenches, etc. to the treatment wells as well as the need for a remediation compound. Consequently, there is minimal to no disruption to site operations.

ISCO-EFR®

ISCO-EFR® is EcoVac Services' patented technology combining MPE/DPE (EFR®) with in-situ chemical oxidation (ISCO). This process targets sites with groundwater contamination from dissolved chlorinated or non-chlorinated (e.g. petroleum hydrocarbon) compounds.

The ISCO-EFR® approach does not create plume displacement that is common with any type of subsurface injection. The ISCO-EFR® process facilitates maximum distribution of chemical oxidant under controlled conditions and creates effective contact of chemical oxidants with contaminant molecules, essential for effective remediation. This approach captures fugitive

vapors while also reducing the chance of rebound of dissolved phase groundwater concentrations. High pressure injection or direct-push injection points, which can lead to undesired displacement of dissolved or vapor phase contaminants, are not components of our ISCO-EFR® technology.

ISCO-EFR® will be implemented to reduce elevated benzene concentrations. The potential selected chemical oxidant may be sodium persulfate. Sodium persulfate has been shown to be a very effective oxidant for BTEX remediation. It is also less volatile and hazardous to handle during the mixing and injection stage, than some other traditional oxidants (i.e. Traditional Fenton's Reagent chemicals). The advantage of sodium persulfate is that it can stay active for a time greater than 30 days as it migrates with the groundwater.

Proposed Scope of Work

The site is the Discount Food Mart #110, located in Jacksonville, Alabama. The area of remediation includes the area beneath and surrounding the covered fuel island. EcoVac Services proposes a phased approach in implementing this remediation at this site, involving the following:

Phase 1: Implementation of EFR® for mass removal of hydrocarbons (SPH), **but most importantly**, to lower the water table prior to surfactant injection.

Phase 2: Implementation of SURFAC® to flush trapped hydrocarbons (SPH) from the formation.

Phase 3: Implementation of ISCO-EFR® to reduce the dissolved phase hydrocarbons in the groundwater.

An estimated 14 days (consisting of extraction and/or injection days) of field work is projected to complete Phases 1 through 3 of work. The three phases will be implemented consecutively. A detailed description of each of these three phases is contained below.

Phase 1: EFR®

EFR® will be completed for 2 days prior to SURFAC® implementation (Phase 2) to lower the water table and facilitate injection of the surfactant.

Phase 2: SURFAC®

SURFAC® will be implemented (7-day period). Surfactant injection will occur in four wells (currently assumed), which will consist of wells, MW-1, MW-8, and two of the three proposed wells. The third proposed well southwest of MW-3, and monitor wells MW-2, MW-3, and MW-4

will be used as extraction wells to horizontally distribute the injected surfactant throughout the assumed "source" area. The source area assumption is based on observation of free product in the core during drilling of MW-1, and high soil screening concentrations during drilling of MW-8. The third proposed well and MW-3 may also be used for surfactant injection, depending on observations during the SURFAC[®] implementation.

Phase 3: ISCO-EFR[®]

ISCO-EFR[®] will be implemented (5-day period) in the areas around wells MW-1, 2, 3, 3A, 4, 8, and the three proposed wells. Approximately 100 gallons of an approximate 11% chemical oxidant solution will be injected into each well. EcoVac estimates 5 days to complete this work.

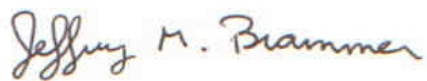
COSTS

The cost associated with completion of this phased approach remediation of the gasoline plume at the Discount Food Mart #110 in Jacksonville, Alabama is **\$73,035.00**. A detailed breakdown follows.

Our lump sum costs include the cost of disposal and are subject to those assumptions contained in Attachment A.

Thank you for this opportunity to team with Mid-South in serving the environmental needs of your clients. We look forward to working with you again in the future to provide innovative and cost-effective environmental solutions at this and other sites.

Sincerely,
EcoVac Services

A handwritten signature in blue ink that reads "Jeffrey M. Brammer".

Jeffrey M. Brammer, PG
Operations Leader, Senior Hydrogeologist

A handwritten signature in black ink that reads "C. Darrin Winkler".

C. Darrin Winkler
Project Manager – Eastern Region

ATTACHMENT A
ASSUMPTIONS UTILIZED IN DEVELOPING
ECOVAC SERVICES' LUMP SUM COSTS (06/24/26)
Discount Food Mart #110
395 Greenleaf Street
Jacksonville, Alabama

- Unrestricted access to the property is assumed.
- Extracted fluid will be disposed at Environmental Remedies, LLC (Atlanta, GA) at \$0.39 per gallon. This proposal assumes the transportation (one trip) and disposal of 1,000 gallons of fluids. If unexpectedly the extraction produces more water than anticipated, an additional disposal charge will be assessed.
- Payment terms are net 30 days from receipt of the invoice. This quotation is valid for a period of 90 days.
- Level D PPE will be utilized in the field.
- Mid-South will be responsible for securing any and all regulatory permits, and making all regulatory notifications.

Differential Pressure and Groundwater Drawdown Data Recorded During EFR®

Event#: MPT-1 Date: January 8, 2026

Facility Name: Discount Food Mart #110

Facility Address: 395 Greenleaf St. Jacksonville, AL

TEST - 1

DIFFERENTIAL PRESSURE DATA

		Well Designation:					
		MW-5	MW-8	MW-3	MW-3A	MW-9	MW-6
Nearest Extraction Well:		MW-2	MW-1	MW-1	MW-1	MW-1	MW-4
Approximate Distance:		34'	34'	37'	39'	50'	45'
Time	Elapsed Time	Differential Pressure Readings (inches of water):					
8:45	1-Hour	0.00	0.00	0.00	0.00	0.00	0.00
9:45	2-Hours	0.00	0.00	0.00	0.00	0.00	0.00
Maximum Change:		0.00	0.00	0.00	0.00	0.00	0.00

GROUNDWATER DRAWDOWN DATA

		Well Designation:					
		MW-5	MW-8	MW-3	MW-3A	MW-9	MW-6
Nearest Extraction Well:		MW-2	MW-1	MW-1	MW-1	MW-1	MW-4
Approximate Distance:		34'	34'	37'	39'	50'	45'
Time	Elapsed Time	Depth to Liquid (feet below top of casing):					
Prior to EFR®		18.32	23.60	19.08	38.65*	21.71	28.70*
9:45	2-Hours	18.32	23.60	19.08	38.65*	21.71	28.70*
Maximum Change:		0.00	0.00	0.00	0.00	0.00	0.00

* Dry Well

TEST-2

DIFFERENTIAL PRESSURE DATA

		Well Designation:				
		MW-3	MW-3A	MW-9	MW-1**	MW-2**
Nearest Extraction Well:		MW-8	MW-8	MW-8	MW-8	MW-8
Approximate Distance:		12'	13'	32'	34'	36'
Time	Elapsed Time	Differential Pressure Readings (inches of water):				
10:15	30 mins	0.00	0.00	0.00	0.00	0.00
10:45	1-Hour	0.00	0.00	0.00	0.00	0.00
Maximum Change:		0.00	0.00	0.00	0.00	0.00

** Previous Extraction Well

GROUNDWATER DRAWDOWN DATA

		Well Designation:				
		MW-3	MW-3A	MW-9	MW-1**	MW-2**
Nearest Extraction Well:		MW-8	MW-8	MW-8	MW-8	MW-8
Approximate Distance:		12'	13'	32'	34'	36'
Time	Elapsed Time	Depth to Liquid (feet below top of casing):				
Prior to EFR®		19.08	38.65*	21.71	28.00**	32.00**
10:45	1-Hour	19.08	38.65*	21.71	28.00**	30.00**
Maximum Change:		0.00	0.00	0.00	0.00	2.00

* Dry Well

** Previous Extraction Well

TEST-3

DIFFERENTIAL PRESSURE DATA

		Well Designation:		
		MW-3	MW-8**	MW-9
Nearest Extraction Well:		MW-3A	MW-3A	MW-3A
Approximate Distance:		6'	13'	15'
Time	Elapsed Time	Differential Pressure Readings (inches of water):		
10:15	30 mins	0.00	0.00	0.00
10:45	1-Hour	0.00	0.00	0.00
Maximum Change:		0.00	0.00	0.00

GROUNDWATER DRAWDOWN DATA

		Well Designation:		
		MW-3	MW-8**	MW-9
Nearest Extraction Well:		MW-3A	MW-3A	MW-3A
Approximate Distance:		6'	13'	15'
Time	Elapsed Time	Depth to Liquid (feet below top of casing):		
Prior to EFR®		19.08	27.90**	21.71
10:45	1-Hour	19.08	27.90**	21.76
Maximum Change:		0.00	0.00	-0.05

* Dry Well

** Previous Extraction Well

APPENDIX E- SDS

SECTION 1

MATERIAL IDENTIFICATION

PRODUCT NAME / DESCRIPTION: EcoGreen

DISTRIBUTED / MANUFACTURED BY:

Rose Rock Products, LLC
11901 N. Morgan Rd.
Yukon, OK 73099

Date: 11/22/21
Phone: (405) 883-1095
Emergency Phone: (800) 255-3924

FUNCTION

SECTION 2

HAZARD IDENTIFICATION

CLASSIFICATION:

Acute Toxicity:	Category 5
Skin Corrosion/Irritation:	Category 2
Serious Eye Damage/Eye Irritation:	Category 2

SIGNAL WORD:

WARNING!

HAZARD STATEMENTS:

May be harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.



PRECAUTIONARY STATEMENTS

Obtain Special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well ventilated area.

Wash all exposed skin thoroughly after handling.

Avoid release to the environment.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.
Keep container tightly closed.
Keep only in original container.
Do not get in eyes, on skin, or on clothing.
Do not eat, drink, or smoke when using this product.

TOXICITY:

See Section 11

SECTION 3

HEALTH HAZARDS

CHEMICAL NAME	%W/W	CAS NUMBER
Proprietary blend of 2-Ethyl Hexanol EO-PO Non-ionic Surfactants (Proprietary Formula)		Proprietary

SECTION 4

FIRST AID

Potential acute health effects:

Eyes: May cause irritation.
Skin: May cause irritation.
Inhalation: Inhalation may cause irritation.
Ingestion: Ingestion may cause irritation, nausea, and vomiting.

Medical conditions aggravated by exposure:

None known.

Eye Contact: In case of contact, immediately flush eyes with cool running water. Lift and separate eyelids while flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Give plenty of water.

SECTION 5

FIRE FIGHTING MEASURES

Fire Hazard Classification (OSHA/NFPA): 1
Extinguishing Media: As required for fire being fought.
Special Fire Fighting Procedures: Use self-contained breathing apparatus.

Hazardous Combustion Products:

None known.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE, and Emergency Wear protective clothing as described in Section 8 of this safety data sheet.

Procedures:

Containment Procedures: Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage system or open water courses.

Clean-Up Procedures: Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Dispose of collected material according to regulations.

SECTION 7

HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Do not take internally. For industrial use only. Wash after handling. Don't breath dust, vapor, or gas. Keep this and all chemicals out of reach of children.

Storage: Keep away from heat, sparks, and open flames. Prevent spills. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Empty product containers may contain product residue, do not reuse.

SECTION 8

PERSONAL PROTECTION / EXPOSURE CONTROLS

Ventilation System: Always keep exposure below permissible exposure limits. In general dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Airborne Exposure Limits: None Established.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1920.132), employers must perform a Hazard Assessment for all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes: Wear face shield, safety glasses, or chemical goggles.

Hands & Skin:	For prolonged or repeated handling, use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.
Respiratory:	If ventilation is not sufficient appropriate NIOSH/MSHA respiratory protection must be provided.
Work Practices:	Eye wash fountain and emergency showers are recommended.

SECTION 9

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Green
Odor:	Mild
Odor Threshold:	NE
pH:	8.3 +/- 0.5
Boiling Point:	NE
Melting Point:	NE
Flash Point:	> 230 F
Evaporation Rate (Butylacetate=1):	NE
Pour Point:	0 C / 32 F
Flammability:	Non-Flammable
UEL:	NE
LEL:	NE
Vapor Pressure:	NE
Vapor Density:	NE
Specific Gravity (Water=1):	1.015
Solubility Water:	Soluble
Partition Coefficient:	NE
Auto-ignition Temperature:	NE
Decomposition Temperature:	NE
Viscosity:	4.403 cSt / 4.47 cPs

SECTION 10

STABILITY AND REACTIVITY

Stability:	This product is stable under normal temperatures and pressures.
Incompatibility:	Unknown
Decomposition Products:	Unknown
Conditions to Avoid:	None Known

SECTION 11**TOXICOLOGICAL PROPERTIES**

Raw Material	Test	Result	Route	Species
N/A				

See Section 4 for symptoms.

CARCINOGENICITY

No known carcinogens.

MUTAGENICITY:

No known mutagens.

REPRODUCTIVE TOXINS:

No known reproductive toxins.

SECTION 12**ECOLOGICAL INFORMATION**

EcoGreen Concentrate	Test	Result	Time	Species
Aquatic Toxicity	LC 50	111 PPM	96hr	M.beryllina
Aquatic Toxicity	LC 50	104 PPM	48hr	A. bahia

PERSISTENCE & DEGRADABILITY:

NE

BIOACCUMULATION:

NE

MOBILITY:

NE

All of the active ingredients are listed as CleanGredients®

Additionally all ingredients are readily biodegradable and considered non-VOC²

CleanGredients® is a database of chemical ingredients used primarily to formulate residential, institutional, industrial, and janitorial cleaning products and represents a community of practice that brings together industry, government and non-profit stakeholders who have a vested interest in advancing the use of green chemistry in products.

² Not VOC - Consumer Products US EPA LVP Exemption - Demonstrates a vapor pressure less than 0.1 mm Hg at 20° C – from 140 CFR Chapter 1 Subpart C. National Volatile Organic Compound Emission Standards for Consumer Products, 59.203 from 63 FR 48831, Sept 11, 1998

EcoGreen is on the U.S. Environmental Protection Agency's (USEPA) NCP Product Schedule. This listing does not mean that the EPA approves, recommends, licenses, certifies, or authorizes the use of EcoGreen on an oil discharge. The listing means only that data have been submitted to EPA as required by subpart J of the National Contingency Plan, 40 CFR Section 300.915. Technical and application information on EcoGreen can be found in the relevant section of the current USEPA's NCP Product Schedule on the USEPA website.

SECTION 13**DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state, and local requirements.

SECTION 14**TRANSPORT INFORMATION**

Not a regulated substance.

SECTION 15**REGULATORY INFORMATION**

US FEDERAL REGULATIONS**SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: N/A

SARA 312 HAZARD CATEGORY: N/A

SARA 313 TOXIC CHEMICALS LIST: N/A

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT):

N/A

RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES:

N/A

CWA (CLEAN WATER ACT) LISTED SUBSTANCES:

N/A

FDA (FOOD AND DRUG ADMINISTRATION):

N/A

TOXIC SUBSTANCES CONTROL ACT (TSCA):

ALL INGREDIENTS ARE LISTED.

SECTION 16**OTHER INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION.

NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: KLOZUR® ONE

Other means of identification

None.

Recommended restrictions

Recommended use: Remediation of contaminated soil and groundwater.

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
2 Turner Place
Piscataway, NJ 08854
USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
Emergency 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Oxidizing solids Category 3

Health Hazards

Acute toxicity (Oral)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Respiratory sensitizer	Category 1
Skin sensitizer	Category 1
Toxic to reproduction	Category 2
Specific Target Organ Toxicity - Single Exposure	Category 3 (Respiratory tract irritation.)

Label Elements

Hazard Symbol:



Signal Word:

Danger

Hazard Statement:

May intensify fire; oxidizer.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
May cause respiratory irritation.

Precautionary Statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing, strong acids, bases, heavy metal salts and other reducing substances, and combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. [In case of inadequate ventilation] wear respiratory protection.

Response:

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing. Specific treatment (see supplemental first aid instructions on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Collect spillage.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Hazard(s) not otherwise classified (HNOC):

None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Disodium peroxodisulphate		7775-27-1	95%
potassium permanganate		7722-64-7	<1%
Organic salt	Trade Secret	Trade Secret	<5%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information:	Remove from exposure, lie down. Show this safety data sheet to the doctor in attendance.
Inhalation:	Remove from contaminated area. Apply artificial respiration if not breathing. Get medical attention immediately.
Skin Contact:	Wash skin thoroughly with soap and water.
Eye contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Get medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical attention.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	No data available.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	No data available.
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5. Fire-fighting measures

General Fire Hazards:	Release of oxygen may support combustion.
Suitable (and unsuitable) extinguishing media	
Suitable extinguishing media:	Dry powder. Dry sand. Water.
Unsuitable extinguishing media:	Carbon dioxide High pressure inert gas, e.g. carbon dioxide jet.
Special hazards arising from the substance or mixture:	No data available.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
Special protective equipment for firefighters:	Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Use personal protective equipment.
Accidental release measures:	Avoid spreading dust or contaminated materials. Prevent runoff from entering drains, sewers, or streams.
Methods and material for containment and cleaning up:	Pick up with vacuum or absorbent solid, store in closed container for disposal. Avoid dust formation.
Environmental Precautions:	No data available.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Use only in well-ventilated areas. Minimize dust generation and accumulation.
Safe handling advice:	Wear appropriate personal protective equipment. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation if fumes or vapors are generated. Handle under inert gas atmosphere in dry equipment.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Do not store near combustible materials. Avoid contamination. Keep away from food, drink and animal feeding stuffs. Avoid formation of dust.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Disodium peroxodisulphate - as persulfate	TWA	0.1 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2016)
potassium permanganate - Respirable fraction. - as Mn	TWA	0.02 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2016)
potassium permanganate -	TWA	0.1 mg/m3	US. ACGIH Threshold Limit Values, as

Inhalable fraction. - as Mn			amended (03 2016)
potassium permanganate - Fume. - as Mn	STEL	3 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	REL	1 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
potassium permanganate - as Mn	Ceiling	5 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

Use only in well-ventilated areas. Minimize dust generation and accumulation.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety goggles

Skin Protection

Hand Protection: Material: Rubber (natural, latex). Material: Neoprene. Material: Polyvinyl chloride (PVC).

Skin and Body Protection: Long sleeved clothing

Respiratory Protection: Respirator must be worn if exposed to dust. Wear suitable respiratory protection.

Hygiene measures: Wash promptly if skin becomes contaminated. Provide eyewash station and safety shower.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state: solid
Form: crystalline
Color: Light tan
Odor: Odorless
Odor Threshold: No data available.
Melting Point: 356 °F/180 °C
Boiling Point: No data available.
Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.
Explosive limit - lower: No data available.
Flash Point: No data available.
Auto-ignition temperature: No data available.
Decomposition Temperature: 178 °F/81 °C SADT

pH:	6.6 1% solution
Viscosity	
Dynamic viscosity:	No data available.
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	575 g/l (77 °F/25 °C)
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	2.59 g/cm3
Bulk density:	No data available.
Vapor density (air=1):	No data available.
Other information	
Oxidizing properties:	The substance or mixture is classified as oxidizing with the category 3.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable under usual application conditions.
Possibility of hazardous reactions:	None under normal conditions.
Conditions to avoid:	Heat. Moisture.
Incompatible Materials:	Bases. Halogens and halogenated compounds. Reducing agents. Combustible material acids Organic compounds.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on toxicological effects

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 968.42 mg/kg
----------------------	----------------------

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Components:

Disodium peroxodisulphate NOAEL (Rat(Female, Male), Oral, 90 day): 91 mg/kg LOAEL (Rat(Female, Male), Oral, 90 day): 200 mg/kg

Skin Corrosion/Irritation

Product: No data available.

Components:

Disodium peroxodisulphate OECD 404 (Rabbit): Irritating.
 potassium permanganate (Rabbit): Corrosive. , > 1.01 - < 4 h

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Disodium peroxodisulphate Irritating.
 potassium permanganate Risk of serious damage to eyes.

Respiratory or Skin Sensitization

Product: No data available.

Components:

Disodium peroxodisulphate Skin sensitizer, OECD 406 (Guinea Pig): May cause sensitization by skin contact.
 May cause sensitization by inhalation.
 potassium permanganate Maximization Test, OECD 406 (Guinea Pig): Not a skin sensitizer.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity
In vitro

Product: No data available.

Components:

Disodium peroxodisulphate gene mutation test (OECD 471): negative
 potassium permanganate Bacterial reverse mutation assay: negative

In vivo

Product: No data available.

Components:

Product name: KLOZUR® ONE

Disodium peroxodisulphate potassium permanganate	Micronucleus test (OECD 474) Intraperitoneal (Mouse, Female, Male): negative Micronucleus test Oral (Rat, Female, Male): negative
---	---

Reproductive toxicity

Product:	No data available.
Components:	
potassium permanganate	Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Disodium peroxodisulphate	Category 3 with respiratory tract irritation.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
potassium permanganate	Inhalation: Category 2 May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard

Product:	No data available.
Components:	
potassium permanganate	Not applicable
Organic salt	Not applicable

Information on health hazards
Other hazards

Product:	No data available.
-----------------	--------------------

12. Ecological information
Ecotoxicity:
Acute hazards to the aquatic environment:
Fish

Product:	No data available.
Components:	
Disodium peroxodisulphate	LC 50 (Scophthalmus maximus, 96 h): 107.6 mg/l
potassium permanganate	LC 50 (Poecilia reticulata, 96 h): 0.47 mg/l
Organic salt	LC 50 (Poecilia reticulata, 96 h): > 18,000 - 32,000 mg/l

Aquatic Invertebrates

Product:	No data available.
Components:	
Disodium peroxodisulphate	EC 50 (Daphnia magna, 48 h): 120 mg/l (analogy)
potassium permanganate	EC 50 (Daphnia magna, 48 h): 0.06 mg/l
Organic salt	EC 50 (Daphnia magna, 48 h): 5,600 - 10,000 mg/l

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Disodium	EC 50 (Phaeodactylum tricornutum, 72 h): 320 mg/l (OECD 201) (analogy)

Product name: KLOZUR® ONE

peroxodisulphate	
potassium permanganate	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 0.8 mg/l
	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 0.43 mg/l
Organic salt	EC 50 (Chlorella vulgaris (Fresh water algae), 96 h): > 18,000 - 32,000 mg/l (OECD 201)

Toxicity to microorganisms

Product: No data available.

Chronic hazards to the aquatic environment:**Fish**

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Toxicity to microorganisms

Product: No data available.

Persistence and Degradability**Biodegradation**

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential**Bioconcentration Factor (BCF)**

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil:

Product No data available.

Results of PBT and vPvB assessment:

Product No data available.

Other adverse effects:**Other hazards**

Product: No data available.

13. Disposal considerations

Disposal methods: Waste must be disposed of in accordance with federal, state, provincial and local regulations.

Contaminated Packaging: No data available.

14. Transport information**Domestic regulation****49 CFR**

UN/ID/NA number : UN 1505
Proper shipping name : Sodium persulfate Mixture

Class : 5.1
Packing group : III
Labels : 5.1
ERG Code : 140
Marine pollutant : no

International Regulations**IATA-DGR**

UN/ID No. : UN 1505
Proper shipping name : Sodium persulphate Mixture
Class : 5.1
Packing group : III
Labels : 5.1
Packing instruction (cargo aircraft) : 563
Packing instruction (passenger aircraft) : 559

IMDG-Code

UN number or ID number : UN 1505
Proper shipping name : SODIUM PERSULPHATE MIXTURE

Class : 5.1
Packing group : III
Labels : 5.1
EmS Code : F-A, S-Q
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information**US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):**Chemical Identity**

POTASSIUM PERMANGANATE

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Oxidizer (liquid, solid or gas), Acute toxicity (any route of exposure), Skin Corrosion or Irritation, Serious eye damage or eye irritation, Respiratory or Skin Sensitization, Reproductive toxicity, Specific target organ toxicity (single or repeated exposure)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**Chemical Identity**

POTASSIUM PERMANGANATE

US State Regulations**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

Inventory Status:

US TSCA Inventory:	Included on Inventory.	
--------------------	------------------------	--

16. Other information, including date of preparation or last revision**Issue Date:** 09/06/2022**Version #:** 1.2**Further Information:** No data available.**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Disclaimer:

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APPENDIX F-PROPOSED TREATMENT AREA MAP

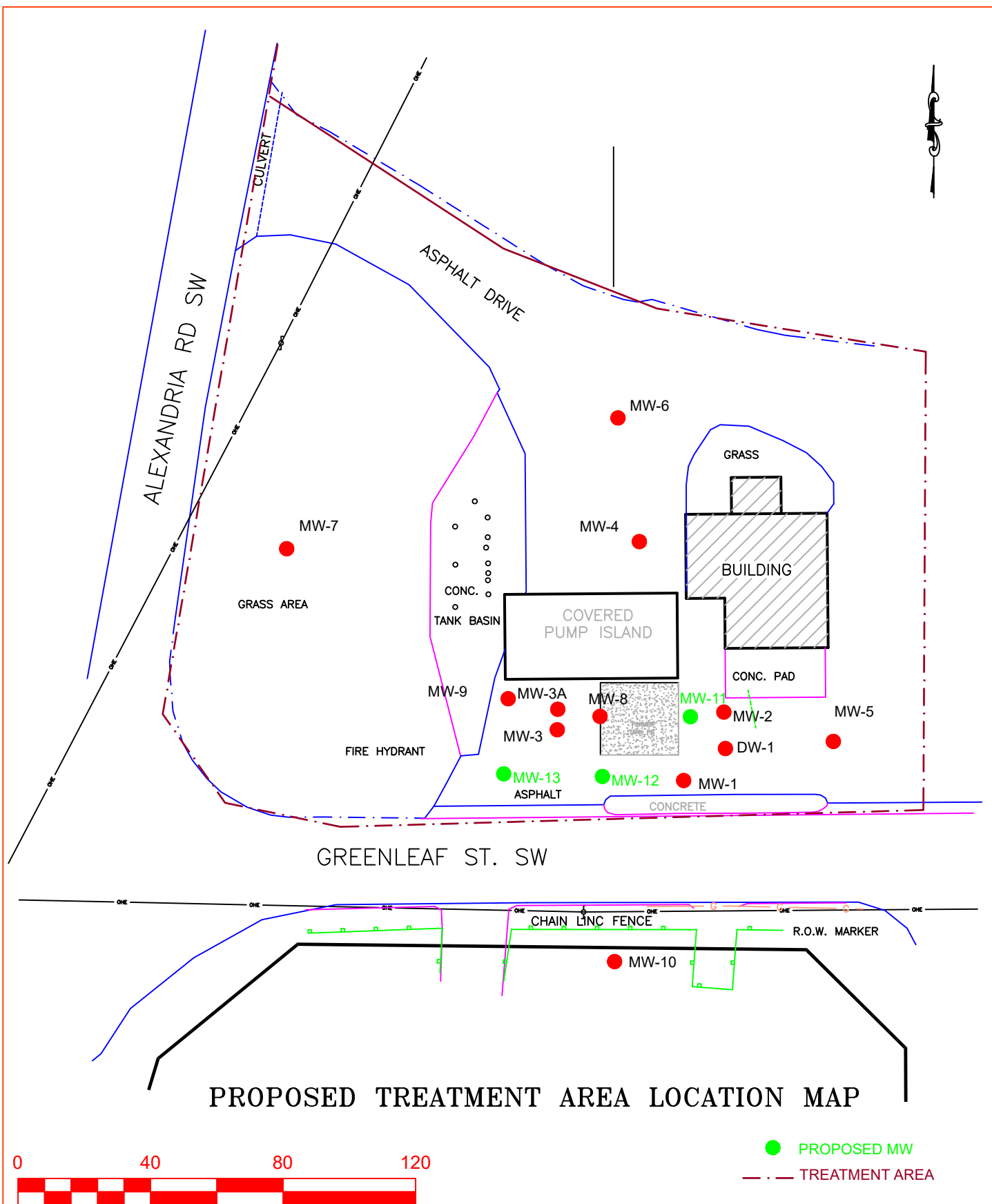


FIGURE 8



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title	Scale: 1" = 40'	Project No: 22-01-0333
	Project	Date: 3 AUG 2024	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-23

SITE MAP
DISCOUNT FOOD MART #110

APPENDIX G-UIC PERMIT



**MID-SOUTH
TESTING**

Underground Injection Control Permit

Discount Food Mart #110

395 Greenleaf Street SW

Jacksonville, Calhoun County, Alabama

Facility I.D. Number 15282-015-00345

UST Incident Number: UST09-05-04

CP#17

Mailing Address:

Discount Food Mart #110

395 Greenleaf Street SW

Jacksonville, Alabama 36265

Prepared By:



Mid-South Testing, Inc.

2220 Beltline Road

Decatur, Alabama 35601

<https://mst-inc.com>

Project Number 22-01-0333

June 11, 2026

Table of Contents

1.0	INTRODUCTION.....	3
2.0	GENERAL INFORMATION.....	4
2.1	Property Owner	4
2.2	Responsible Party	4
2.3	Site Map.....	5
2.4	Well Assessment Map.....	5
3.0	DESCRIPTION OF FLUID TO BE INJECTED	6
3.1	Design, Plans, and Construction Specs	7
4.0	GROUNDWATER SAMPLING.....	8
5.0	HYDROGEOLOGICAL DATA.....	9
6.0	MONITORING WELL INSTALLATION.....	9
7.0	FINANCIAL RESPONSIBILITY	10
8.0	CERTIFICATION	11
	FIGURE 1 – USGS TOPOGRAPHIC MAP.....	12
	FIGURE 2 – SITE MAP	12
	FIGURE 3 – WELL INVENTORY MAP	12
	FIGURE 4 – PROPOSED TREATMENT AREA LOCATION MAP.....	12
	FIGURE 5 – SURFACE WATER LOCATION MAP.....	12
	FIGURE 6 – PROPERTY USE MAP	12
	FIGURE 7 - FLOOD MAP.....	12
	FIGURE 8 - PROPOSED MONITORING WELL LOCATION MAP.....	12
	APPENDIX A – ECOVAC SPEC SHEET AND SDS SHEETS.....	13
	APPENDIX B – FORM 531 & SITE MONITORING WELL LOGS	13
	APPENDIX C – GROUNDWATER POTENTIOMETRIC MAPS	13
	APPENDIX D –HISTORICAL GROUNDWATER ELEVATION TABLES	13
	APPENDIX E – ANALYTICAL DATA TABLES	13
	APPENDIX D –HISTORICAL GROUNDWATER ELEVATION TABLES	17
	APPENDIX E – ANALYTICAL DATA TABLES	18

1.0 INTRODUCTION

Discount Food Mart is requesting a UIC permit for the injection of Surfac® and ISCO for the purpose of contaminated soil and groundwater remediation. A release was reported to ADEM in May 2009, however no subsequent investigative or corrective actions were performed at the site. The subject site is the current location of an active Chevron gasoline station. Presently located at this active Chevron Station are two currently in use underground storage tanks (USTs): One 12,000-gallon unleaded gasoline and one 10,000-gallon two compartment tank containing both premium grade gasoline and diesel. Three underground storage tanks (USTs): two 3,000-gallon and one 4,000-gallon gasoline, were permanently closed by removal in 2002.

The following is the information requested by ADEM UIC Class V Permit Application Requirements in order to obtain a UIC Permit. This UIC Permit is being submitted on behalf of the Discount Food Mart #110 site.

MST requests authorization to adjust injection well locations and configurations as necessary based on site conditions encountered during remediation. Therefore, MST requests that the entire project site be permitted for injection to allow flexibility in implementing the remediation program and responding to field conditions.

2.0 GENERAL INFORMATION

2.1 Property Owner

Samco Oil Company
PO Box 7130
1237 West Hamric Dr.
Oxford, AL 36203
Sameer Mousa
Email: sameermousa@aol.com
(256) 225-4944

2.2 Responsible Party

This is an orphan site under the UST Corrective Action State and Federal Funds Section, and no Responsible Party has been located.

Site Contact: Suzanne Holm, Project Geologist
Mid-South Testing, Inc.
2220 Beltline Road SW
Decatur, AL 35601

Facility Name: Discount Food Mart #110
395 Greenleaf Street SW
Jacksonville, Calhoun County, Alabama
LAT: 33°48'15.26" N, LONG: 85°46'15.52" W
Jacksonville Quadrangle (Figure 1)

Figure 1 is a topographic map of the area showing the location of surface water bodies, surface features, residences, and other structures. There are no surface water bodies located within 500 feet down gradient of the source area. Hanes Branch of the Little Tallassee hatchee is located approximately 1/3-mile northeast of the subject site. The locations of surface waters in close proximity to the subject site can be found on the Surface Water Location Map (Figure 5).

2.3 Site Map

The Discount Food Mart is located at the northeast corner of Alexandria Road SW and Greenleaf Street SW. Located east of the subject building, but within the confines of the subject property, is Sol-Massage a Chiropractic Wellness Care and Massage facility. Figure 2 is a Site Location Map. The remaining properties that surround the subject site are residential in nature. The information regarding surrounding properties, land use, and adjacent property owners is located on the Property Use Map (Figure 6).

2.4 Well Assessment Map

No public supply wells were identified within one mile of the site. No private wells were identified within 1,000 feet of the site. According to the Water Works, Gas and Sewer Board of the City of Jacksonville, water is supplied for the City of Jacksonville by groundwater, primarily from Germania Spring, Big Springs, and Coldwater Spring. The two principal sources for groundwater are Germania Spring, located approximately 3 miles northeast of the site and Big Springs, located approximately 1.2 miles northeast of the site. Coldwater Spring, also known as Anniston Spring, is utilized as a backup source for groundwater, and is located approximately 16.2 miles southwest of the site. The locations of the water springs are indicated on the Water Assessment Map (Figure 3).

3.0 DESCRIPTION OF FLUID TO BE INJECTED

Phase I: Enhanced Fluid Recovery (EFR)

Injected Fluids: None

Technical Description: This phase is strictly an extraction step. High-vacuum dual-phase extraction wells pull ambient groundwater, soil vapor, and free-phase petroleum out of the formation to depress the water table.

Phase II: Surfactant-Enhanced Aquifer Remediation (SURFAC)

SURFAC® is EcoVac Services patented process combining multi-phase extraction and dual phase extraction (MPE/DPE) with surfactant injection. This technology will target LNAPLs and high concentrations of dissolved constituents in the groundwater. The Surfactants will facilitate contaminant removal by enhancing mobility through the subsurface by reducing interfacial tension and capillary forces and while also increasing contaminant solubility.

- **Injected Fluid:** Aqueous Non-ionic Surfactant Solution
- **Primary Product:** EcoGreen (Manufactured by Rose Rock Products, LLC)
- **Concentration Range:** 2.0% to 5.0% dilute solution by volume with potable water.
- **Chemical Profile:** Proprietary blend of 2-Ethyl Hexanol EO-PO Non-ionic Surfactants SDS attached.
- **Key Properties:** Green liquid with a mild odor, pH 8.3 +/- 0.5, fully soluble in water, non-flammable, non-VOC substance.

Phase III: In-Situ Chemical Oxidation (ISCO)-EFR

ISCO-EFR is ECOVac Services patented technology combining MPE/DPE with in-situ chemical oxidation (ISCO). The ISCO-EFR will be implemented to reduce elevated Benzene concentrations. The selected chemical oxidant will be sodium persulfate. The oxidant can stay active for a period of time greater than 30 days as it migrates with the groundwater.

- **Injected Fluid:** A fully dissolved aqueous solution of KLOZUR® ONE prepared with water and injected through wells or direct-push systems for ISCO treatment
- **Primary Products:** Activated sodium persulfate oxidant consisting of KLOZUR® SP (sodium persulfate) blended with proprietary activator reagents.
- **Concentration Range:** 5–20 wt% persulfate
- **Chemical Profile:** Sodium persulfate ($\text{Na}_2\text{S}_2\text{O}_8$) oxidant (primary active ingredient) • Chelated iron activator • Trace permanganate activator/visual indicator • Fully soluble formulation • Generates sulfate radicals ($\text{SO}_4\bullet^-$) and hydroxyl radicals ($\bullet\text{OH}$) for contaminant destruction.

3.1 Design, Plans, and Construction Specs

This phase of the project will concentrate remedial efforts on the area beneath and surrounding the covered fuel island, however, the permit will encompass the entire site should additional injections in outer areas of the site be warranted. This will be a Phased approach implementing remediation in three phases.

Phase I: Enhanced Fluid Recovery (EFR)

- **Action:** Apply high-vacuum dual-phase extraction.
- **Purpose:** Remove bulk free-phase hydrocarbons.
- **Result:** Lowers the water table.
- **Benefit:** Exposes the trapped "smear zone" for Phase II.

Phase II: Surfactant-Enhanced Aquifer Remediation (SURFAC)

- **Action:** Inject a dilute surfactant solution into five wells over a 7-day period (MW-1, MW-8, and three proposed new wells south of the pump island)
- **Purpose:** Desorb and encapsulate trapped residual hydrocarbons.
- **Result:** Converts immobile oil into a mobile emulsion.
- **Benefit:** Recovers bound mass via down-gradient extraction wells.

Phase III: In-Situ Chemical Oxidation with EFR (ISCO-EFR)

- **Action:** Inject chemical oxidants into the areas around wells 1,2,3,3A, 4, and 8 while maintaining active extraction. Approximately 100 gallons of an approximate 11% chemical oxidant solution will be injected into each boring over a five-day period.
- **Purpose:** Destroy remaining dissolved-phase hydrocarbons in place.
- **Result:** Rapidly reduces contaminant concentrations in the groundwater.
- **Benefit:** Prevents plume rebound and achieves regulatory site closure.

The ISCO will be injected into the subsurface at low flow and low pressure utilizing direct push rig technology (DPT). The ISCO will be applied utilizing bottom-up technology and groundwater will be actively extracted from down gradient wells. This is a one-time injection process.

SDS sheets for the injection products can be found in Appendix A.

Figure 4 is a Proposed Treatment Area Location Map detailing the locations for injections.

4.0 GROUNDWATER SAMPLING

As part of routine corrective action activities, groundwater monitoring will be conducted on a quarterly basis. Groundwater samples will be collected from each of the monitoring wells and will be analyzed for BTEX/MTBE/Naphthalene. Each of the wells will be purged and sampled in accordance with the procedures outlined in the Alabama Environmental Investigation and Remediation Guidance (2017) document.

The groundwater sampling event from April 21, 2026 will serve as the baseline sampling event prior to injection activities and then sampling will continue quarterly following injection activities for a minimum of twelve months. It is proposed that groundwater samples will be collected as follows:

- Monitoring Wells for COC parameters BTEX, MTBE, and Naphthalene:

MW-1, MW-2, MW-3, MW-3A, MW-4, MW-8, and the three proposed newly installed monitoring well MW-11, MW-12, and MW-13

- Monitoring Wells for UIC Permit parameters pH, Nitrate, and Sulfate:

MW-5, MW-6, MW-9, MW-10

5.0 HYDROGEOLOGICAL DATA

The study area is within the Coosa Valley District of the Alabama Valley and Ridge Province. The site is underlain by the Conasauga Formation which consists of limestone, dolomitic limestone, and dolomite. A dark green to pale-olive fossiliferous shale becomes dominant to the north and northwest. The thickness of this formation is approximately 500 feet. The study area lies within the Valley and Ridge Aquifer System. In the Coosa Valley where the Conasauga is shaly, this aquifer is used only for domestic supplies. The water bearing areas are only associated with valleys and not ridges. The recharge areas of this aquifer system are highly vulnerable to contamination from the surface. The general pattern of groundwater movement in the Valley and Ridge aquifer system is primarily from the higher altitudes adjacent to the ridges toward the center of the valleys.

The soils in the study area are classified as the DdB2 – Decatur and Cumberland loams, 2 to 6 percent slopes, eroded. This is a well-drained silty clay loam ranging in color from dark reddish brown to mottled red and strong brown. The soil is formed in old alluvium overlying residuum of weathered limestone.

A site survey was conducted to establish well elevations and groundwater elevations. Elevations at the site range from 671.12 feet MSL to 672.42 feet MSL. The historical average depth to groundwater is approximately 19.94 feet below ground surface. The direction of groundwater flow is generally to the northwest with an average hydraulic gradient of approximately 0.014 cm/cm. Groundwater Potentiometric Maps from the last three sampling events can be found in Appendix C.

Historical groundwater elevations and analytical data tables can be found in Appendix D and E, respectively.

Completed ADEM Form 531 as well as Monitoring Well Construction Logs generated during soil boring/monitoring well installations for wells located on-site/off-site can be found in Appendix B

6.0 MONITORING WELL INSTALLATION

MST will mobilize a Longyear BK 66 Truck Mounted Drill Rig with 4 ¼" I.D. hollow stem augers. MST proposes to install three new permanent two-inch monitoring wells, designated MW-11, MW-12, and MW-13 within the injection area. Soil samples will not be obtained during the installation of these monitoring wells. It is anticipated that the installation of the new monitoring wells will be completed within a period of two working days.

The proposed locations for these monitoring wells are depicted on Figure 8, Proposed Monitoring Well Location Map.

All drilling equipment will be decontaminated between boring locations in a centrally located decon pit. The rinse water will be pumped into drums and will be disposed of by Mid-South Testing, Inc. at Green Environmental in Belle Mina, Alabama at the completion of remedial activities.

The two-inch monitoring wells will be installed to a minimum of five feet into the saturated zone. It is estimated that the wells will be set between 25 feet bgs and 30 feet bgs. The monitoring wells will be constructed using two-inch Tri-Loc PVC material consisting of no less than 5 feet of #10 slot screen and sufficient length of riser to extend the well to within two inches of the ground surface. The annular space between the borehole and the well will be backfilled with sand from the bottom of the well to a depth of two feet above the well screen, a two-foot bentonite seal, and bentonite/grout to within one-foot of the ground surface. The monitoring wells will be equipped with a locking cap and locking flush mounted cover, which will be cemented in place.

7.0 FINANCIAL RESPONSIBILITY

The cost associated with the execution of this UIC Permit will be borne by the ADEM UST Trust Fund (UST Incident Number 09-05-04)

8.0 CERTIFICATION

Certification:

I, the undersigned, certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based upon my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.



Signature

Ron Stroup, PE
Registered, Alabama 12707



Signature

Michael H. Cox, ALPG 1094
Registered, Alabama



FIGURES

- FIGURE 1 – USGS TOPOGRAPHIC MAP**
- FIGURE 2 – SITE MAP**
- FIGURE 3 – WELL INVENTORY MAP**
- FIGURE 4 – PROPOSED TREATMENT AREA LOCATION MAP**
- FIGURE 5 – SURFACE WATER LOCATION MAP**
- FIGURE 6 – PROPERTY USE MAP**
- FIGURE 7 - FLOOD MAP**
- FIGURE 8 - PROPOSED MONITORING WELL LOCATION MAP**



USGS TOPOGRAPHIC MAP

LAT: 33°48'15.26" N
LONG: 85°46'15.52" W

FIGURE 1



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title	Scale: N.T.S.	Project No: 22-01-0333
	Project	Date: 3 AUG 2022	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-2022

USGS TOPOGRAPHIC MAP
DISCOUNT FOODMART #110



SITE LOCATION MAP

395 GREENLEAF STREET SW
JACKSONVILLE, AL 36265

FIGURE 2



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet
of

Title

SITE LOCATION MAP

Project

DISCOUNT FOODMART #110

Scale: N.T.S.

Date: 3 AUG 2022

Drawn By: SMR

Project No: 22-01-0333

Cad name: CALHOUNCOUNTY

File: W-SROWE-2022



FIGURE 3



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title	Scale: 1" = 15000'	Project No: 22-01-0333
	Project	Date: 3 AUG 2022	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-2022

WATER ASSESSMENT MAP

DISCOUNT FOODMART #110

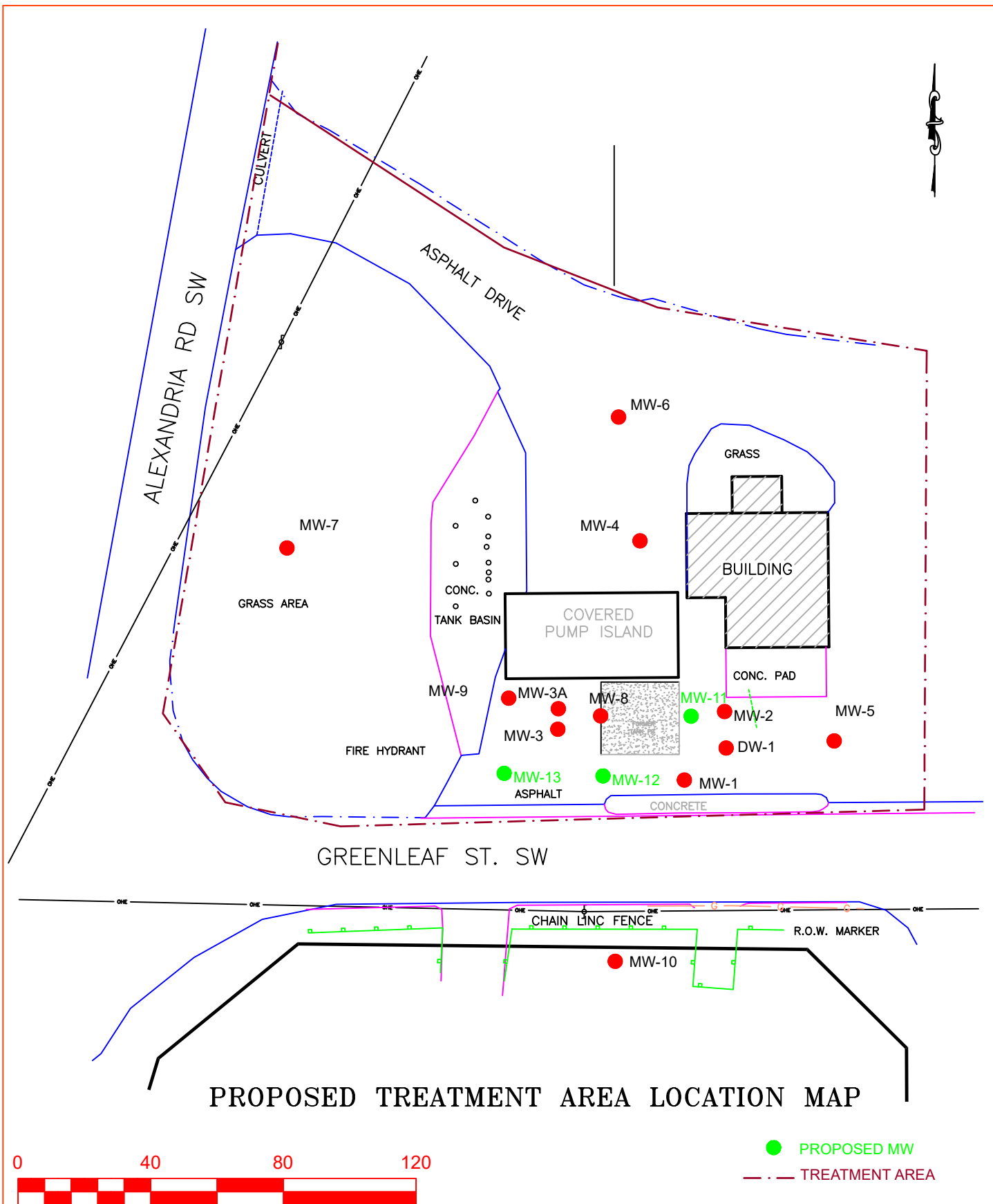


FIGURE 4



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title	Scale: 1" = 40'	Project No: 22-01-0333
		Date: 3 AUG 2024	Cad name: CALHOUNCOUNTY
	Project	Drawn By: SMR	File: W-SROWE-23

SITE MAP

DISCOUNT FOOD MART #110



SURFACE WATER LOCATION MAP

FIGURE 5



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet
of

Title
SURFACE WATER LOCATION MAP
Project
DISCOUNT FOODMART #110

Scale: N.T.S.

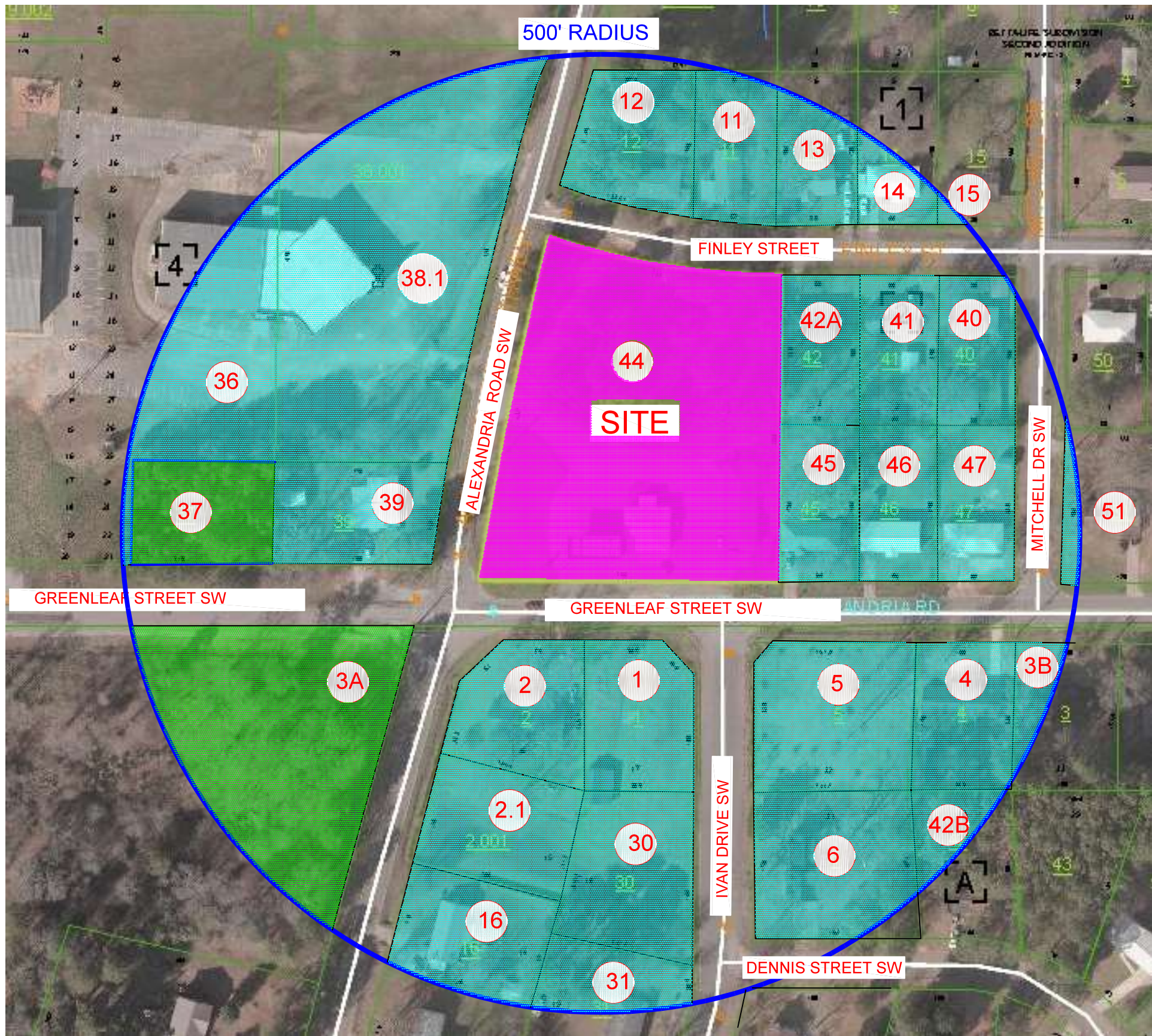
Date: 3 AUG 2022

Drawn By: SMR

Project No: 22-01-0333

Cad name: CALHOUNCOUNTY

File: W-SROWE-2022



PARCEL ID#, PROPERTY OWNER NAME & MAILING ADDRESS

(1) WILLIAM H. & MARIA L. SALLEE 904 IVAN DR. SW JACKSONVILLE, AL 36265	(31) JAX HOLDINGS LLC C/O DOUGLAS H. MOONEYHAM 425 E 10 ST STE B ANNISTON, AL 36207
(2) WILLIAM H. & MARIA L. SALLEE 904 IVAN DR. SW JACKSONVILLE, AL 36265	(36) CHURCH FAITH TEMPLE CHRISTIAN CENTER 831 ALEXANDRIA RD. SW JACKSONVILLE, AL 36265
(2.001) WILLIAM H. & MARIE SALL 904 IVAN DR SW JACKSONVILLE, AL 36265	(37) STEPHEN J. LAFOLLETTE 375 WOOKCREEK CROSSING ANNISTON, AL 36207
(3A) FAITH TEMPLE CHRISTIAN CENTER 831 ALEXANDRIA ROAD SE JACKSONVILLE AL 36265	(38.001) CHURCH FAITH TEMPLE 831 ALEXANDRIA RD. SW JACKSONVILLE, AL 36265
(3B) CEDERICK B. BAKER 340 GREENLEAF ST SW JACKSONVILLE, AL 36265	(39) STEPHEN J. LAFOLLETTE 375 WOODCREEK CROSSING ANNISTON AL 36207
(4) DONNIE & BETTY KELLEY 350 GREENLEAF ST SW JACKSONVILLE, AL 36265	(40) GARY L & BEVERLY M RITCHEY 1107 FINLEY ST SW JACKSONVILLE, AL 36265
(5) DAVID L. & CURTIS & TCHELYNDRIA N COOK 902 IVAN DR SW JACKSONVILLE, AL 36265	(41) GARY L & BEVERLY M RITCHEY 1107 FINLEY ST SW JACKSONVILLE, AL 36265
(6) DAVID L. & CURTIS & TCHELYNDRIA N COOK 902 IVAN DR SW JACKSONVILLE, AL 36265	(42A) DOB LLC 1300 GLEENWOOD TER ANNISTON AL 36207
(11) JON BAREFIELD 4147 SOMERSET RIDGE BIRMINGHAM, AL 3524	(42B) RODNEY WILLINGHAM 902 DENNIS ST SW JACKSONVILLE, AL 36265
(12) RANDY W. & LORI D. WOOD 830 ALEXANDRIA RD. SW JACKSONVILLE, AL 36265	(44) SAMS PROPERTIES LLC (SITE) P.O. BOX 3570 OXFORD AL 36203
(13) VICTOR & DEBORAH FRAGOSO 1112 FINLEY ST SW JACKSONVILLE, AL 36256	(45) JON DEWAYNE STEPHENS 375 GREENLEAF ST SW JACKSONVILLE, AL 36265
(14) LATASHIA HARRIS 2454 DRAKE LN FREDERICKSBURG, VA 22408	(46) JOHNATHAN L. CRENSHAW REVOCABLE TRUST 1035 POSSUM TROT RD PIEDMONT, AL 36272
(15) AUBREY RANCE KIRK 1108 FINLEY ST SW JACKSONVILLE, AL 36265	(47) BRENDA J BARNWELL 355 GREENLEAF ST SW JACKSONVILLE, AL 36265
(16) JIMMY L & TINA ALLDREDGE 904 ALEXANDRIA RD SW JACKSONVILLE, AL 36265	(51) JEFF A SALLEE 1016 NOAH VALLEY RD JACKSONVILLE, AL 36265
(30) WILLIAM H. & MARIA L. SALLEE 904 IVAN DR. SW JACKSONVILLE, AL 36265	

- COMMERCIAL
- RESIDENTIAL
- VACANT

FIGURE 6



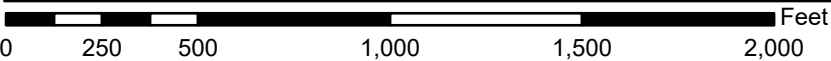
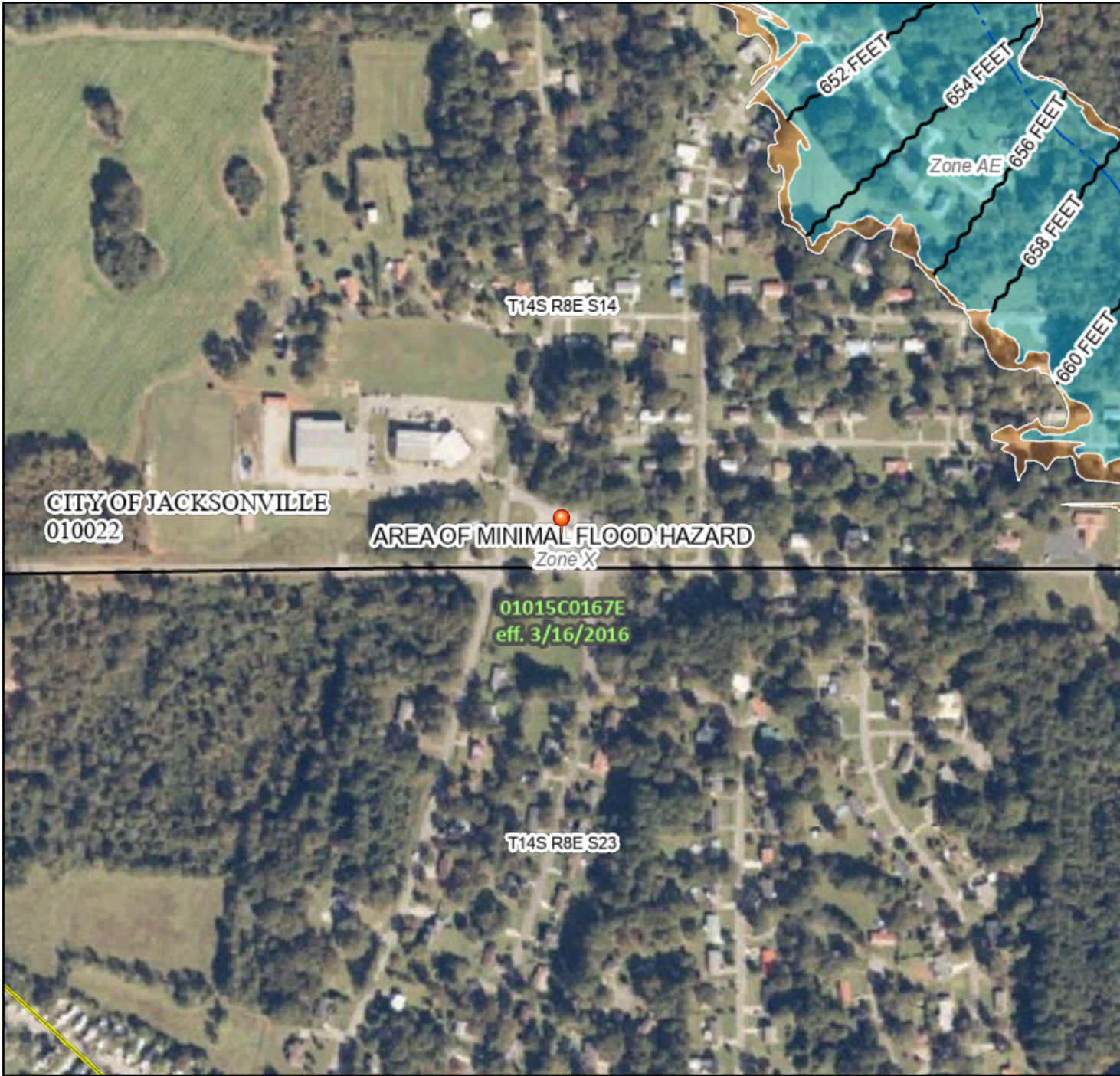
MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title PROPERTY USE MAP	Scale: 1" = 120'	Project No: 22-01-0333
	Project DISCOUNT FOODMART #110	Date: 3 AUG 2022	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-2022

National Flood Hazard Layer FIRMette



85°46'34"W 33°48'30"N



1:6,000

85°45'57"W 33°48'N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **6/8/2026 at 4:36 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

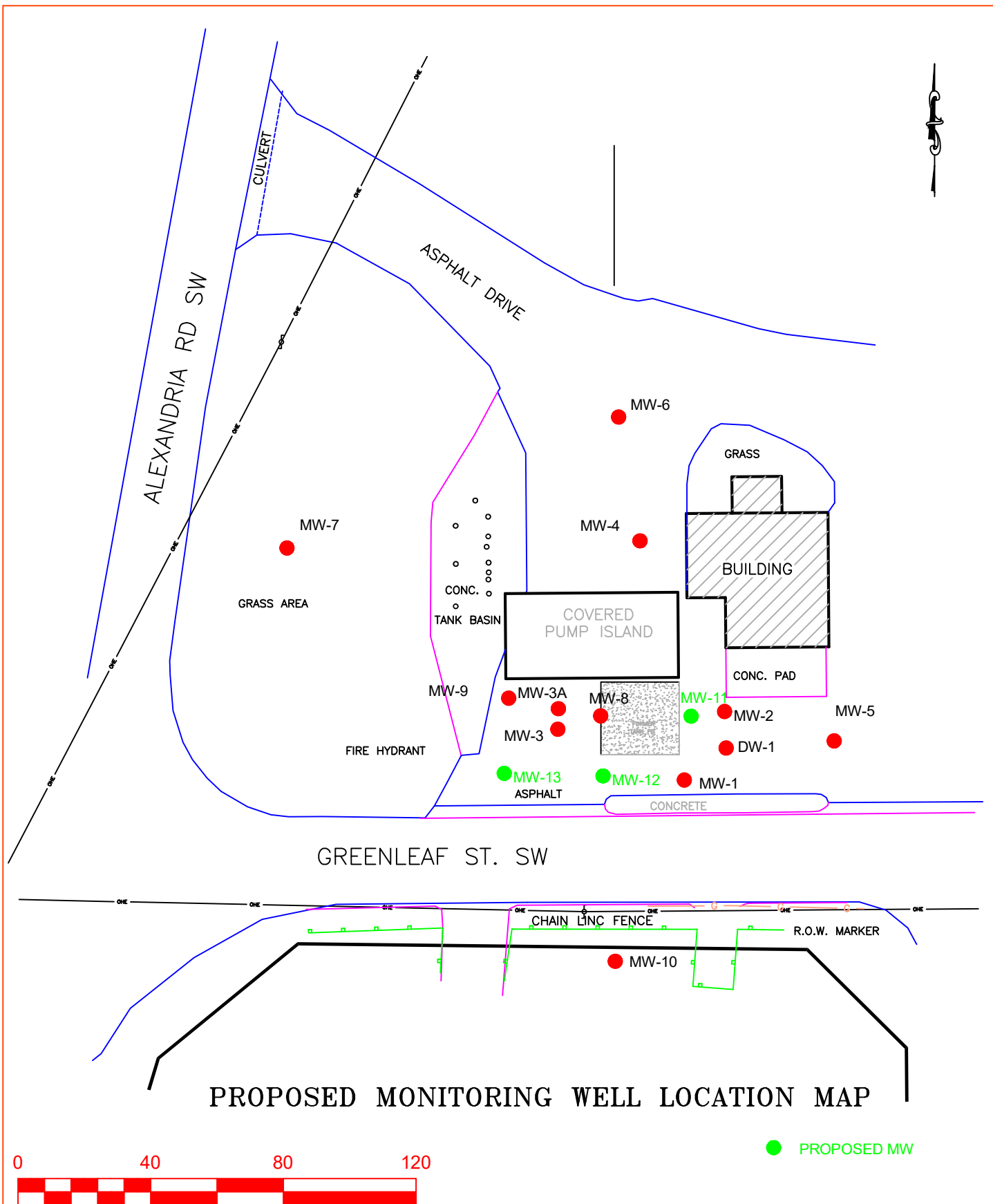


FIGURE 8



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title	Scale: 1" = 40'	Project No: 22-01-0333
		Date: 3 AUG 2024	Cad name: CALHOUNCOUNTY
	Project	Drawn By: SMR	File: W-SROWE-23

SITE MAP

DISCOUNT FOOD MART #110

APPENDICES

APPENDIX A – ECOVAC SPEC SHEET AND SDS SHEETS
APPENDIX B – FORM 531 & SITE MONITORING WELL LOGS
APPENDIX C – GROUNDWATER POTENTIOMETRIC MAPS
APPENDIX D – HISTORICAL GROUNDWATER ELEVATION TABLES
APPENDIX E – ANALYTICAL DATA TABLES

APPENDIX A ECOVAC SPEC SHEET AND SDS SHEETS



The World Leader in Mobile Dual-Phase/Multi-Phase Extraction
Patented SURFAC® | ISCO-EFR® | SOLV-IT® Technologies

January 21, 2026

Ms. Suzanne M. Holm
Project Geologist
Mid-South Testing, Inc.
2220 Beltline Road SW
Decatur, AL 35601

**Subject: Proposal to Provide Remediation Services
Discount Food Mart #110
395 Greenleaf Street
Jacksonville, Alabama**

Dear Ms. Holm:

Thank you for the opportunity to provide innovative and cost-effective environmental solutions to Mid-South Testing, Inc. (Mid-South). EcoVac proposes implementation of our Enhanced Fluid Recovery (EFR®), SURFAC®, and ISCO-EFR® technologies at the Discount Food Mart #110 site located at 395 Greenleaf Street, Jacksonville, Alabama to remediate the western portion of the hydrocarbon plume. EFR® is a mobile multi-phase/dual-phase extraction (MPE/DPE) technology shown to be effective for mass removal of hydrocarbons in soils and groundwater. SURFAC® combines surfactant injection with EFR®. ISCO-EFR® combines chemical oxidant injection with EFR®.

Site/Proposal Background

Based on a review of the site information received by EcoVac, and the ½ day EFR® Pilot Testing results, there appears to be a need to do a local surfactant flush in the vicinity around MW-1 and MW-8. Based on laboratory soil analytical results, there appears to be, or at least has been, some mass localized in the area of these two wells, at depth. The remainder of the soil analyses indicated low levels of contaminants, and do not appear to have a significant amount of mass in those areas. Our tests, in particular the EFR® extraction, indicate lower amounts/quantities of hydrocarbon mass in most locations in the plume. Therefore, in addition to the local proposed surfactant flushing, EcoVac proposes a chemical oxidation as the major remediation technology for cleanup to the benzene and MTBE criteria.

EcoVac Services - PO Box 5306 – Norman, Oklahoma 73070
(405) 360-1552
www.ecovacservices.com

In addition, due to the low permeable nature of the sediments, EcoVac would recommend the installation of two additional remediation wells in the area around MW-1 and MW-8.

EFR Pilot Test

The following is a few bullet points detailing some of the results from the ½ day EFR® extraction completed by EcoVac on January 8, 2026. These results were also used to determine the proposed remedial approach.

1. Extraction vapor concentrations ranged from a high of 5,200 ppm from MW-8, to a low of 2,600 ppm from MW-3A.
2. The extraction air flow ranged from 64 to 87 CFM.
3. The truck vacuum applied to the wells was 25" Hg, and in-well vacuums ranged from 18 to 22" Hg.
4. Extracted 25 gallons of water during the 4 hour testing.
5. Extracted 17 lbs, 2.5 equivalent gallons of hydrocarbons via vapors over the 4 hours.
6. Did not measure/observe a vacuum connection between wells during the extraction.
7. Observed one groundwater drawdown connection, in MW-9 while extracting from MW-3A

The field data sheets summarizing this information are attached.

Remedial Technologies

The following sections are brief summaries of the technologies proposed to complete this remediation.

EFR®

EFR® is a mobile form of high-vacuum MPE/DPE used to remove separate phase hydrocarbons (SPH) from the water table (originally developed by EcoVac). EcoVac's trucks are equipped with dual rotary-vane pumps capable of generating sustained vacuum levels of 29" of mercury (inHg), and 330 Cubic Feet per Minute (CFM) per pump.

EFR® removes multiple phases of hydrocarbons (liquid, dissolved, adsorbed and vapor phase) simultaneously by extracting the fuel, vapors, and contaminated groundwater from monitor or recovery wells. In most instances, multiple wells installed within the contaminate plume are utilized for extraction in unison. EFR® has also been highly successful in removing contamination from sites impacted by other organic chemicals such as acetone and various chlorinated solvents present in soil and groundwater.

EcoVac's EFR® technology utilizes a specially designed truck-mounted vacuum and liquid handling system integrated with a mobile hydrocarbon vapor treatment system (as necessary). High vacuum is applied to multiple monitoring or recovery wells fitted with proprietary headers equipped with drop-tubes. The drop-tubes allow for control of the fluid elevation in each well. Vacuum is then able to forcefully remove contaminated liquids and vapors pulled into the extraction wells from the vadose zone, capillary fringe, and the saturated zone simultaneously. Extracted liquids are safely contained in the mobile transport unit and potentially harmful volatile vapor emissions can be treated by the integrated vapor treatment system.

SURFAC®

SURFAC® is EcoVac Services' **patented** process combining MPE/DPE (EFR®) with surfactant injection. This technology targets sites with light non-aqueous phase liquids (LNAPLs), dense non-aqueous phase liquids (DNAPL), or high concentrations of their respective dissolved constituents. This approach incorporates the use of non-ionic, non-toxic and biodegradable proprietary surfactants combined with mobile MPE/DPE (EFR®). Surfactants facilitate contaminant removal primarily by means of enhancing mobility of the contaminant through the subsurface by reducing interfacial tension and capillary forces while also increasing contaminant solubility.

SURFAC® combines the elements of surfactant emplacement with MPE/DPE (EFR®) extraction. This approach incorporates the use of non-ionic, non-toxic and biodegradable proprietary surfactants. Our operations are entirely mobile and temporal, negating the need to install trenches, etc. to the treatment wells as well as the need for a remediation compound. Consequently, there are minimal to no disruption to site operations.

ISCO-EFR®

ISCO-EFR® is EcoVac Services' patented technology combining MPE/DPE (EFR®) with in-situ chemical oxidation (ISCO). This process targets sites with groundwater contamination from dissolved chlorinated or non-chlorinated (e.g. petroleum hydrocarbon) compounds.

The ISCO-EFR® approach does not create plume displacement that is common with any type of subsurface injection. The ISCO-EFR® process facilitates maximum distribution of chemical oxidant under controlled conditions and creates effective contact of chemical oxidants with contaminant molecules, essential for effective remediation. This approach captures fugitive vapors while also reducing the chance of rebound of dissolved phase groundwater concentrations. High pressure injection or direct-push injection points, which can lead to undesired displacement of dissolved or vapor phase contaminants, are not components of our ISCO-EFR® technology.

ISCO-EFR® will be implemented to reduce elevated benzene concentrations. The potential selected chemical oxidant may be sodium persulfate. Sodium persulfate has been shown to be a very effective oxidant for BTEX remediation. It is also less volatile and hazardous to handle during the mixing and injection stage, than some other traditional oxidants (i.e. Traditional Fenton's Reagent chemicals). The advantage of sodium persulfate is that it can stay active for a time greater than 30 days as it migrates with the groundwater.

Proposed Scope of Work

The site is the Discount Food Mart #110, located in Jacksonville, Alabama. The area of remediation includes the area beneath and surrounding the covered fuel island. EcoVac Services proposes a phased approach in implementing this remediation at this site, involving the following:

Phase 1: Implementation of EFR® for mass removal of hydrocarbons (SPH), **but most importantly**, to lower the water table prior to surfactant injection.

Phase 2: Implementation of SURFAC® to flush trapped hydrocarbons (SPH) from the formation.

Phase 3: Implementation of ISCO-EFR® to reduce the dissolved phase hydrocarbons in the groundwater.

An estimated 14 days (consisting of extraction and/or injection days) of field work is projected to complete Phases 1 through 3 of work. The three phases will be implemented consecutively. A detailed description of each of these phases is contained below.

Phase 1: EFR®

EFR® will be completed for 2 days prior to SURFAC® implementation (Phase 2) to lower the water table and facilitate injection of the surfactant.

Phase 2: SURFAC®

SURFAC® will be implemented (7-day period) in four wells, which will be divided into two sets of four wells, MW-1, MW-8, and the two proposed wells. Numerous other wells will be used for extraction to assist with horizontal distribution of the injected surfactant solution.

Phase 3: ISCO-EFR®

ISCO-EFR® will be implemented (5-day period) in the areas around wells MW-1, 2, 3, 3A, 4, and 8. Approximately 100 gallons of an approximate 11% chemical oxidant solution will be injected into each well. EcoVac estimates 5 days to complete this work.

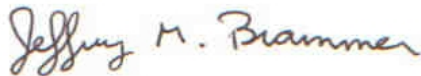
COSTS

The costs associated with completion of this phased approach remediation of the gasoline plume at the Discount Food Mart #110 in Jacksonville, Alabama is **\$73,035.00**. A detailed breakdown follows.

Our lump sum costs include the cost of disposal and are subject to those assumptions contained in Attachment A.

Thank you for this opportunity to team with Mid-South in serving the environmental needs of your clients. We look forward to working with you again in the future to provide innovative and cost-effective environmental solutions at this and other sites.

Sincerely,
EcoVac Services



Jeffrey M. Brammer, PG
Operations Leader, Senior Hydrogeologist



C. Darrin Winkler
Project Manager – Eastern Region

ATTACHMENT A
ASSUMPTIONS UTILIZED IN DEVELOPING
ECOVAC SERVICES' LUMP SUM COSTS (01/21/26)
Discount Food Mart #110
395 Greenleaf Street
Jacksonville, Alabama

- Unrestricted access to the property is assumed.
- Extracted fluid will be disposed at Environmental Remedies, LLC (Atlanta, GA) at \$0.39 per gallon. This proposal assumes the transportation (one trip) and disposal of 1,000 gallons of fluids. If unexpectedly the extraction produces more water than anticipated, an additional disposal charge will be assessed.
- Payment terms are net 30 days from receipt of the invoice. This quotation is valid for a period of 90 days.
- Level D PPE will be utilized in the field.
- Mid-South will be responsible for securing any and all regulatory permits, and making all regulatory notifications.

EFR[®] FIELD DATA SHEET

Client: Mid South			Facility Name: Discount Food Mart #110										Event #: MPT			
Facility Address: 395 Greenleaf St. Jacksonville, Alabama										Technician: Winkler				Date: 1/8/2026		

Extraction Well(s)	Time hh:mm	Extraction Well-head Vacuum (in. Hg)								DICE Inlet				DICE Exhaust		
										Concen- tration PPM	Flow Rate ACFM	Removal Rate LBS/HR	Interval Removal LBS	Concen- tration PPM	Emissions Rate LBS/HR	Interval Emissions LBS
		Inlet	MW-1	MW-2	MW-4	MW-8	MW-3A									
MW-1, 2, 4	8:00	25	18	22	22	-	-			4,000	65	4.3	1.1	17	0.018	0.005
"	8:15	25	18	22	22	-	-			3,400	64	3.6	0.9	20	0.021	0.005
"	8:30	25	18	22	22	-	-			3,200	67	3.5	0.9	22	0.024	0.006
"	8:45	25	18	22	22	-	-			3,200	67	3.5	0.9	19	0.021	0.005
"	9:15	25	18	22	22	-	-			2,800	72	3.3	1.7	15	0.018	0.009
"	9:45	25	18	22	22	-	-			2,800	76	3.5	1.8	24	0.030	0.015
MW-8	10:15	25	-	-	-	22	-			4,000	82	5.4	2.7	19	0.026	0.013
"	10:45	25	-	-	-	22	-			5,200	87	7.4	3.7	20	0.029	0.014
MW-3A	11:15	25	-	-	-	-	22			3,000	85	4.2	2.1	18	0.025	0.013
"	11:45	25	-	-	-	-	22			2,600	82	3.5	1.8	20	0.027	0.014

Well Gauging Data:			Before EFR [®] Event			After EFR [®] Event			Corr. DTW	Breather	Stinger
Well No.	Diam.	TD (ft)	DTS (ft)	DTW (ft)	SPH (ft)	DTS (ft)	DTW (ft)	SPH (ft)	Change (ft)	Port (ACFM)	Depth (ft)
MW-1	2"	28.0	-	17.95	0.00	-	28.00	0.00		<2	28
MW-2	2"	33.0	-	17.60	0.00	-	28.00	0.00	-10.40	<2	33
MW-3	2"		-	19.08	0.00	-	19.08	0.00	0.00		
MW-3A	2"	38.7	-	38.70	0.00	-	38.70	0.00	0.00	<2	38
MW-4	2"	23.9	-	19.80	0.00	-	22.90	0.00	-3.10	<2	23
MW-5	2"		-	18.32	0.00	-	18.35	0.00	-0.03		
MW-6	2"	28.7	-	28.70	0.00	-	28.70	0.00	0.00		
MW-8	2"	27.9	-	23.60	0.00	-	27.90	0.00	-4.30	<2	28
MW-9	2"		-	21.71	0.00	-	21.76	0.00	-0.05		

Vacuum Truck Information		Recovery/Disposal Information		 www.ecovacservices.com 405-360-1552
Subcontractor:	None	Hydrocarbons Removed (vapor):	17 pounds	
Truck Operator:	Vitovic	Hydrocarbons Removed (liquid):	0 gallons	
Truck No.:	153	Total Hydrocarbons Removed:	2.5 equiv. gal.	
Vacuum Pumps:	Becker	Molecular Weight Used:	104 g/mole	
Pump Type:	Twin LC-44s	Disposal Facility:	Valicor	
Tank Capacity (gal.):	2,894	Total Liquids Removed:	25 gallons	

Groundwater Recovery		Offgas Treatment Information		Supplemental Fuel	
Total Recovery:	25 gallons	Atmospheric Exhaust:	0.10 pounds	Type:	Propane
Average Flow Rate:	6.3 gallons/hr	Destruction Efficiency:	99.44% percent	Gallons Used:	20

Vacuum Pump Use	Notes:
Time: 7:45 to 11:45	- Test-1 began at 07:45. Included MW-1, 2, 4. MW-3, 3A omitted to allow access to pumps. Monitored MW-3, 3A, 5, 6, and 9.
# Pumps: 2	- Test-2 began at 09:45. Extration from MW-8. Monitored MW-1, 2, 3, 3A, and 9.
RPM: 1,000	- Test-3 began at 10:45. Extration from MW-3A. Monitored MW-3, 8, and 9.

Differential Pressure and Groundwater Drawdown Data Recorded During EFR®

Event#: MPT-1 Date: January 8, 2026

Facility Name: Discount Food Mart #110

Facility Address: 395 Greenleaf St. Jacksonville, AL

TEST - 1

DIFFERENTIAL PRESSURE DATA

		Well Designation:					
		MW-5	MW-8	MW-3	MW-3A	MW-9	MW-6
Nearest Extraction Well:		MW-2	MW-1	MW-1	MW-1	MW-1	MW-4
Approximate Distance:		34'	34'	37'	39'	50'	45'
Time	Elapsed Time	Differential Pressure Readings (inches of water):					
8:45	1-Hour	0.00	0.00	0.00	0.00	0.00	0.00
9:45	2-Hours	0.00	0.00	0.00	0.00	0.00	0.00
Maximum Change:		0.00	0.00	0.00	0.00	0.00	0.00

GROUNDWATER DRAWDOWN DATA

		Well Designation:					
		MW-5	MW-8	MW-3	MW-3A	MW-9	MW-6
Nearest Extraction Well:		MW-2	MW-1	MW-1	MW-1	MW-1	MW-4
Approximate Distance:		34'	34'	37'	39'	50'	45'
Time	Elapsed Time	Depth to Liquid (feet below top of casing):					
Prior to EFR®		18.32	23.60	19.08	38.65*	21.71	28.70*
9:45	2-Hours	18.32	23.60	19.08	38.65*	21.71	28.70*
Maximum Change:		0.00	0.00	0.00	0.00	0.00	0.00

* Dry Well

TEST-2

DIFFERENTIAL PRESSURE DATA

		Well Designation:				
		MW-3	MW-3A	MW-9	MW-1**	MW-2**
Nearest Extraction Well:		MW-8	MW-8	MW-8	MW-8	MW-8
Approximate Distance:		12'	13'	32'	34'	36'
Time	Elapsed Time	Differential Pressure Readings (inches of water):				
10:15	30 mins	0.00	0.00	0.00	0.00	0.00
10:45	1-Hour	0.00	0.00	0.00	0.00	0.00
Maximum Change:		0.00	0.00	0.00	0.00	0.00

** Previous Extraction Well

GROUNDWATER DRAWDOWN DATA

		Well Designation:				
		MW-3	MW-3A	MW-9	MW-1**	MW-2**
Nearest Extraction Well:		MW-8	MW-8	MW-8	MW-8	MW-8
Approximate Distance:		12'	13'	32'	34'	36'
Time	Elapsed Time	Depth to Liquid (feet below top of casing):				
Prior to EFR®		19.08	38.65*	21.71	28.00**	32.00**
10:45	1-Hour	19.08	38.65*	21.71	28.00**	30.00**
Maximum Change:		0.00	0.00	0.00	0.00	2.00

* Dry Well

** Previous Extraction Well

TEST-3

DIFFERENTIAL PRESSURE DATA

		Well Designation:		
		MW-3	MW-8**	MW-9
Nearest Extraction Well:		MW-3A	MW-3A	MW-3A
Approximate Distance:		6'	13'	15'
Time	Elapsed Time	Differential Pressure Readings (inches of water):		
10:15	30 mins	0.00	0.00	0.00
10:45	1-Hour	0.00	0.00	0.00
Maximum Change:		0.00	0.00	0.00

GROUNDWATER DRAWDOWN DATA

		Well Designation:		
		MW-3	MW-8**	MW-9
Nearest Extraction Well:		MW-3A	MW-3A	MW-3A
Approximate Distance:		6'	13'	15'
Time	Elapsed Time	Depth to Liquid (feet below top of casing):		
Prior to EFR®		19.08	27.90**	21.71
10:45	1-Hour	19.08	27.90**	21.76
Maximum Change:		0.00	0.00	-0.05

* Dry Well

** Previous Extraction Well

SECTION 1

MATERIAL IDENTIFICATION

PRODUCT NAME / DESCRIPTION: EcoGreen

DISTRIBUTED / MANUFACTURED BY:

Rose Rock Products, LLC
11901 N. Morgan Rd.
Yukon, OK 73099

Date: 11/22/21
Phone: (405) 883-1095
Emergency Phone: (800) 255-3924

FUNCTION

SECTION 2

HAZARD IDENTIFICATION

CLASSIFICATION:

Acute Toxicity:	Category 5
Skin Corrosion/Irritation:	Category 2
Serious Eye Damage/Eye Irritation:	Category 2

SIGNAL WORD:

WARNING!

HAZARD STATEMENTS:

May be harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.



PRECAUTIONARY STATEMENTS

Obtain Special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well ventilated area.

Wash all exposed skin thoroughly after handling.

Avoid release to the environment.

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.
Keep container tightly closed.
Keep only in original container.
Do not get in eyes, on skin, or on clothing.
Do not eat, drink, or smoke when using this product.

TOXICITY:

See Section 11

SECTION 3

HEALTH HAZARDS

CHEMICAL NAME	%W/W	CAS NUMBER
Proprietary blend of 2-Ethyl Hexanol EO-PO Non-ionic Surfactants (Proprietary Formula)		Proprietary

SECTION 4

FIRST AID

Potential acute health effects:

Eyes: May cause irritation.
Skin: May cause irritation.
Inhalation: Inhalation may cause irritation.
Ingestion: Ingestion may cause irritation, nausea, and vomiting.

Medical conditions aggravated by exposure:

None known.

Eye Contact: In case of contact, immediately flush eyes with cool running water. Lift and separate eyelids while flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Give plenty of water.

SECTION 5

FIRE FIGHTING MEASURES

Fire Hazard Classification (OSHA/NFPA): 1
Extinguishing Media: As required for fire being fought.
Special Fire Fighting Procedures: Use self-contained breathing apparatus.

Hazardous Combustion Products:

None known.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE, and Emergency Wear protective clothing as described in Section 8 of this safety data sheet.

Procedures:

Containment Procedures: Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage system or open water courses.

Clean-Up Procedures: Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Dispose of collected material according to regulations.

SECTION 7

HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Do not take internally. For industrial use only. Wash after handling. Don't breath dust, vapor, or gas. Keep this and all chemicals out of reach of children.

Storage: Keep away from heat, sparks, and open flames. Prevent spills. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Empty product containers may contain product residue, do not reuse.

SECTION 8

PERSONAL PROTECTION / EXPOSURE CONTROLS

Ventilation System: Always keep exposure below permissible exposure limits. In general dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Airborne Exposure Limits: None Established.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1920.132), employers must perform a Hazard Assessment for all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes: Wear face shield, safety glasses, or chemical goggles.

Hands & Skin:	For prolonged or repeated handling, use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.
Respiratory:	If ventilation is not sufficient appropriate NIOSH/MSHA respiratory protection must be provided.
Work Practices:	Eye wash fountain and emergency showers are recommended.

SECTION 9

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Green
Odor:	Mild
Odor Threshold:	NE
pH:	8.3 +/- 0.5
Boiling Point:	NE
Melting Point:	NE
Flash Point:	> 230 F
Evaporation Rate (Butylacetate=1):	NE
Pour Point:	0 C / 32 F
Flammability:	Non-Flammable
UEL:	NE
LEL:	NE
Vapor Pressure:	NE
Vapor Density:	NE
Specific Gravity (Water=1):	1.015
Solubility Water:	Soluble
Partition Coefficient:	NE
Auto-ignition Temperature:	NE
Decomposition Temperature:	NE
Viscosity:	4.403 cSt / 4.47 cPs

SECTION 10

STABILITY AND REACTIVITY

Stability:	This product is stable under normal temperatures and pressures.
Incompatibility:	Unknown
Decomposition Products:	Unknown
Conditions to Avoid:	None Known

SECTION 11**TOXICOLOGICAL PROPERTIES**

Raw Material	Test	Result	Route	Species
N/A				

See Section 4 for symptoms.

CARCINOGENICITY

No known carcinogens.

MUTAGENICITY:

No known mutagens.

REPRODUCTIVE TOXINS:

No known reproductive toxins.

SECTION 12**ECOLOGICAL INFORMATION**

EcoGreen Concentrate	Test	Result	Time	Species
Aquatic Toxicity	LC 50	111 PPM	96hr	M.beryllina
Aquatic Toxicity	LC 50	104 PPM	48hr	A. bahia

PERSISTENCE & DEGRADABILITY:

NE

BIOACCUMULATION:

NE

MOBILITY:

NE

All of the active ingredients are listed as CleanGredients®

Additionally all ingredients are readily biodegradable and considered non-VOC²

CleanGredients® is a database of chemical ingredients used primarily to formulate residential, institutional, industrial, and janitorial cleaning products and represents a community of practice that brings together industry, government and non-profit stakeholders who have a vested interest in advancing the use of green chemistry in products.

² Not VOC - Consumer Products US EPA LVP Exemption - Demonstrates a vapor pressure less than 0.1 mm Hg at 20° C – from 140 CFR Chapter 1 Subpart C. National Volatile Organic Compound Emission Standards for Consumer Products, 59.203 from 63 FR 48831, Sept 11, 1998

EcoGreen is on the U.S. Environmental Protection Agency's (USEPA) NCP Product Schedule. This listing does not mean that the EPA approves, recommends, licenses, certifies, or authorizes the use of EcoGreen on an oil discharge. The listing means only that data have been submitted to EPA as required by subpart J of the National Contingency Plan, 40 CFR Section 300.915. Technical and application information on EcoGreen can be found in the relevant section of the current USEPA's NCP Product Schedule on the USEPA website.

SECTION 13**DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state, and local requirements.

SECTION 14**TRANSPORT INFORMATION**

Not a regulated substance.

SECTION 15**REGULATORY INFORMATION**

US FEDERAL REGULATIONS**SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: N/A

SARA 312 HAZARD CATEGORY: N/A

SARA 313 TOXIC CHEMICALS LIST: N/A

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT):

N/A

RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES:

N/A

CWA (CLEAN WATER ACT) LISTED SUBSTANCES:

N/A

FDA (FOOD AND DRUG ADMINISTRATION):

N/A

TOXIC SUBSTANCES CONTROL ACT (TSCA):

ALL INGREDIENTS ARE LISTED.

SECTION 16**OTHER INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION.

NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.

SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

1. Identification

Product identifier: KLOZUR® ONE

Other means of identification

None.

Recommended restrictions

Recommended use: Remediation of contaminated soil and groundwater.

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
2 Turner Place
Piscataway, NJ 08854
USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)
Emergency 800 681 9531 (CHEMTREC MEXICO)
+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Oxidizing solids Category 3

Health Hazards

Acute toxicity (Oral)	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Respiratory sensitizer	Category 1
Skin sensitizer	Category 1
Toxic to reproduction	Category 2
Specific Target Organ Toxicity - Single Exposure	Category 3 (Respiratory tract irritation.)

Label Elements

Hazard Symbol:



Signal Word:

Danger

Hazard Statement:

May intensify fire; oxidizer.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.
May cause respiratory irritation.

Precautionary Statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing, strong acids, bases, heavy metal salts and other reducing substances, and combustible materials. Take any precaution to avoid mixing with combustibles. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. [In case of inadequate ventilation] wear respiratory protection.

Response:

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing. Specific treatment (see supplemental first aid instructions on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Collect spillage.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:

Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Hazard(s) not otherwise classified (HNOC):

None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Disodium peroxodisulphate		7775-27-1	95%
potassium permanganate		7722-64-7	<1%
Organic salt	Trade Secret	Trade Secret	<5%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information:	Remove from exposure, lie down. Show this safety data sheet to the doctor in attendance.
Inhalation:	Remove from contaminated area. Apply artificial respiration if not breathing. Get medical attention immediately.
Skin Contact:	Wash skin thoroughly with soap and water.
Eye contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Get medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical attention.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	No data available.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	No data available.
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5. Fire-fighting measures

General Fire Hazards:	Release of oxygen may support combustion.
Suitable (and unsuitable) extinguishing media	
Suitable extinguishing media:	Dry powder. Dry sand. Water.
Unsuitable extinguishing media:	Carbon dioxide High pressure inert gas, e.g. carbon dioxide jet.
Special hazards arising from the substance or mixture:	No data available.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Use personal protective equipment.
Accidental release measures:	Avoid spreading dust or contaminated materials. Prevent runoff from entering drains, sewers, or streams.
Methods and material for containment and cleaning up:	Pick up with vacuum or absorbent solid, store in closed container for disposal. Avoid dust formation.
Environmental Precautions:	No data available.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Use only in well-ventilated areas. Minimize dust generation and accumulation.
Safe handling advice:	Wear appropriate personal protective equipment. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation if fumes or vapors are generated. Handle under inert gas atmosphere in dry equipment.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Do not store near combustible materials. Avoid contamination. Keep away from food, drink and animal feeding stuffs. Avoid formation of dust.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Disodium peroxodisulphate - as persulfate	TWA	0.1 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2016)
potassium permanganate - Respirable fraction. - as Mn	TWA	0.02 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2016)
potassium permanganate -	TWA	0.1 mg/m3	US. ACGIH Threshold Limit Values, as

Inhalable fraction. - as Mn			amended (03 2016)
potassium permanganate - Fume. - as Mn	STEL	3 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	REL	1 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
potassium permanganate - as Mn	Ceiling	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

Use only in well-ventilated areas. Minimize dust generation and accumulation.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety goggles

Skin Protection

Hand Protection: Material: Rubber (natural, latex).Material: Neoprene.Material: Polyvinyl chloride (PVC).

Skin and Body Protection: Long sleeved clothing

Respiratory Protection: Respirator must be worn if exposed to dust. Wear suitable respiratory protection.

Hygiene measures: Wash promptly if skin becomes contaminated. Provide eyewash station and safety shower.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state: solid
Form: crystalline
Color: Light tan
Odor: Odorless
Odor Threshold: No data available.
Melting Point: 356 °F/180 °C
Boiling Point: No data available.
Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.
Explosive limit - lower: No data available.
Flash Point: No data available.
Auto-ignition temperature: No data available.
Decomposition Temperature: 178 °F/81 °C SADT

pH:	6.6 1% solution
Viscosity	
Dynamic viscosity:	No data available.
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	575 g/l (77 °F/25 °C)
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	2.59 g/cm3
Bulk density:	No data available.
Vapor density (air=1):	No data available.
Other information	
Oxidizing properties:	The substance or mixture is classified as oxidizing with the category 3.

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Stable under usual application conditions.
Possibility of hazardous reactions:	None under normal conditions.
Conditions to avoid:	Heat. Moisture.
Incompatible Materials:	Bases. Halogens and halogenated compounds. Reducing agents. Combustible material acids Organic compounds.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on toxicological effects

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 968.42 mg/kg
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Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Components:

Disodium peroxodisulphate NOAEL (Rat(Female, Male), Oral, 90 day): 91 mg/kg LOAEL (Rat(Female, Male), Oral, 90 day): 200 mg/kg

Skin Corrosion/Irritation

Product: No data available.

Components:

Disodium peroxodisulphate OECD 404 (Rabbit): Irritating.
 potassium permanganate (Rabbit): Corrosive. , > 1.01 - < 4 h

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Disodium peroxodisulphate Irritating.
 potassium permanganate Risk of serious damage to eyes.

Respiratory or Skin Sensitization

Product: No data available.

Components:

Disodium peroxodisulphate Skin sensitizer, OECD 406 (Guinea Pig): May cause sensitization by skin contact.
 May cause sensitization by inhalation.
 potassium permanganate Maximization Test, OECD 406 (Guinea Pig): Not a skin sensitizer.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity
In vitro

Product: No data available.

Components:

Disodium peroxodisulphate gene mutation test (OECD 471): negative
 potassium permanganate Bacterial reverse mutation assay: negative

In vivo

Product: No data available.

Components:

Disodium peroxodisulphate potassium permanganate	Micronucleus test (OECD 474) Intraperitoneal (Mouse, Female, Male): negative Micronucleus test Oral (Rat, Female, Male): negative
---	---

Reproductive toxicity

Product:	No data available.
Components:	
potassium permanganate	Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Disodium peroxodisulphate	Category 3 with respiratory tract irritation.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
potassium permanganate	Inhalation: Category 2 May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard

Product:	No data available.
Components:	
potassium permanganate	Not applicable
Organic salt	Not applicable

Information on health hazards
Other hazards

Product:	No data available.
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12. Ecological information

Ecotoxicity:
Acute hazards to the aquatic environment:
Fish

Product:	No data available.
Components:	
Disodium peroxodisulphate	LC 50 (Scophthalmus maximus, 96 h): 107.6 mg/l
potassium permanganate	LC 50 (Poecilia reticulata, 96 h): 0.47 mg/l
Organic salt	LC 50 (Poecilia reticulata, 96 h): > 18,000 - 32,000 mg/l

Aquatic Invertebrates

Product:	No data available.
Components:	
Disodium peroxodisulphate	EC 50 (Daphnia magna, 48 h): 120 mg/l (analogy)
potassium permanganate	EC 50 (Daphnia magna, 48 h): 0.06 mg/l
Organic salt	EC 50 (Daphnia magna, 48 h): 5,600 - 10,000 mg/l

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Disodium	EC 50 (Phaeodactylum tricornutum, 72 h): 320 mg/l (OECD 201) (analogy)

Product name: KLOZUR® ONE

peroxodisulphate	
potassium permanganate	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 0.8 mg/l
	EC 50 (Desmodesmus subspicatus (green algae), 72 h): 0.43 mg/l
Organic salt	EC 50 (Chlorella vulgaris (Fresh water algae), 96 h): > 18,000 - 32,000 mg/l (OECD 201)

Toxicity to microorganisms

Product: No data available.

Chronic hazards to the aquatic environment:**Fish**

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Toxicity to microorganisms

Product: No data available.

Persistence and Degradability**Biodegradation**

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential**Bioconcentration Factor (BCF)**

Product: No data available.

Partition Coefficient n-octanol / water (log K_{ow})

Product: No data available.

Mobility in soil:

Product No data available.

Results of PBT and vPvB assessment:

Product No data available.

Other adverse effects:**Other hazards**

Product: No data available.

13. Disposal considerations

Disposal methods: Waste must be disposed of in accordance with federal, state, provincial and local regulations.

Contaminated Packaging: No data available.

14. Transport information

Domestic regulation

49 CFR

UN/ID/NA number : UN 1505
Proper shipping name : Sodium persulfate Mixture

Class : 5.1
Packing group : III
Labels : 5.1
ERG Code : 140
Marine pollutant : no

International Regulations

IATA-DGR

UN/ID No. : UN 1505
Proper shipping name : Sodium persulphate Mixture
Class : 5.1
Packing group : III
Labels : 5.1
Packing instruction (cargo aircraft) : 563
Packing instruction (passenger aircraft) : 559

IMDG-Code

UN number or ID number : UN 1505
Proper shipping name : SODIUM PERSULPHATE MIXTURE

Class : 5.1
Packing group : III
Labels : 5.1
EmS Code : F-A, S-Q
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

POTASSIUM PERMANGANATE

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Oxidizer (liquid, solid or gas), Acute toxicity (any route of exposure), Skin Corrosion or Irritation, Serious eye damage or eye irritation, Respiratory or Skin Sensitization, Reproductive toxicity, Specific target organ toxicity (single or repeated exposure)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

None present or none present in regulated quantities.

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Chemical Identity

POTASSIUM PERMANGANATE

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

Inventory Status:

US TSCA Inventory:	Included on Inventory.	
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16. Other information, including date of preparation or last revision

Issue Date: 09/06/2022

Version #: 1.2

Further Information: No data available.

Revision Information Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Disclaimer:

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APPENDIX B FORM 531 & SITE MONITORING WELL LOGS

ADEM HYDROGEOLOGY SITE EVALUATION REPORT FORM

HYDROGEOLOGIST CONDUCTING EVALUATION: Suzanne Holm DATE OF SITE VISIT 1-23-23-1-24-23
 OTHERS PRESENT DURING THE EVALUATION: MST Drillers 12-11-24 to 12-14-24

FACILITY NAME: Discount Food Mart #110
 ADDRESS: 395 Greenleaf Street SW
 CITY: Jacksonville ZIP: 36265 COUNTY: Calhoun
 CONTACT: Suzanne Holm TELEPHONE: 256-351-7900
 TYPE OF INSPECTION: (Indicate permit type.) UIC

TOPO QUADRANGLE / SECTION / TOWNSHIP / RANGE <u>Jacksonville /Section 14/T14S/R8E</u> 	LATITUDE & LONGITUDE: <u>N33 48'15.26" W85 46'15.52'</u> method: <u>check one</u> 1) GPS___ 2) surveyed___ 3) digitized from map___ 4) computer map program ☒ 5) measured from map___ 6) unknown___
--	---

CHECKLIST: (Y) yes or (N) no

PITS EXCAVATED AND LOGGED	(N)	
DEPTH TO GROUNDWATER DETERMINED	(Y)	FEET BELOW SURFACE <u>Historical Avg. 19.94 feet</u>
DEPTH TO BEDROCK DETERMINED	(N)	FEET BELOW SURFACE <u>greater than 51' bgs</u>
WATER WELLS INVENTORIED	(Y)	NUMBER OF RESIDENTIAL WELLS <u>0</u>
SAMPLES COLLECTED	(N)	DISTANCE TO CLOSEST RESIDENTIAL WELL <u>> 1000'</u>
		NUMBER OF PUBLIC SUPPLY WELLS <u>3 springs</u>
		DISTANCE TO CLOSEST PUBLIC WELL <u>1.2 miles</u>

TOPOGRAPHIC DESCRIPTION and SURFACE DRAINAGE: Elevations at the site range from 671.12 feet MSL to 672.42 feet MSL.

Site drainage is generally toward the northwest to Hanes Branch.

PHYSIOGRAPHIC PROVINCE: Coosa Valley District of the Alabama Valley and Ridge Province

SCS SOIL TYPES: DdB2 - Decatur & Cumberland loams, 2-6% slopes,eroded. Well drained silty clay loam, dark red brown to strong brown

GEOLOGIC FORMATION: Conasauga Formation -limestone, dolomitic limestone, and dolomite

SURFACE WATER BODIES: Hanes Branch of Little Tallasseehatchee 1/3 mile NE

ADEM DIVISION 6 RECEIVING STREAM CLASSIFICATION: UT to Tallasseehatchee Creek - F&W (fish and wildlife)

USGS FLOOD PRONE AREA : Zone X - Area of Minimal Flood Hazard

SITE HYDROGEOLOGIC DESCRIPTION: (Attach additional pages as necessary) _____

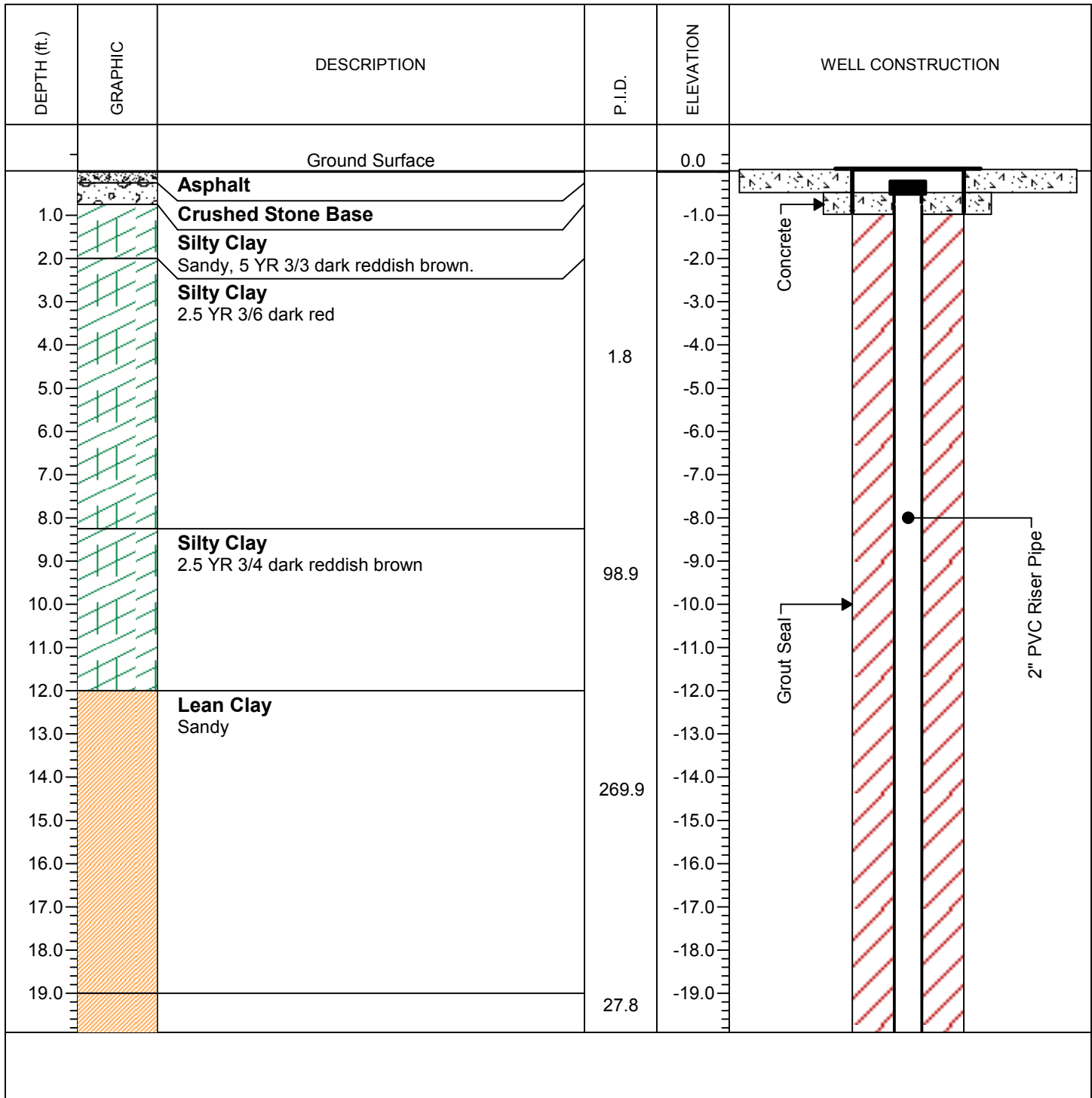
The site is underlain by the Valley and Ridge Aquifer System. Groundwater movement within this aquifer system generally occurs from the higher elevations along the ridges toward the centers of the valleys. Water bearing zones are primarily associated with the valleys rather than the ridges. The potentiometric groundwater surface across the site ranges from 653.84 ft bgs to 656.93 ft. bgs. Groundwater appears to be concentrated within the reddish brown to yellowish brown sandy clay and chert bearing zones beneath the site. The historical average depth to groundwater is ~19.94 feet bgs., with a predominant groundwater flow direction to the northwest. Subsurface lithology encountered during the installation of site monitoring wells consisted of red to yellowish red silty clay extending to a depth of approximately 15 feet bgs. This was underlain by a reddish yellow sandy clay layer extending to approximately 20 feet bgs, followed by yellowish brown to red silty clay to the total boring depth. Bedrock was not encountered during drilling activities.

WELL HEAD PROTECTION AREA: This site is not in a well head protection area.

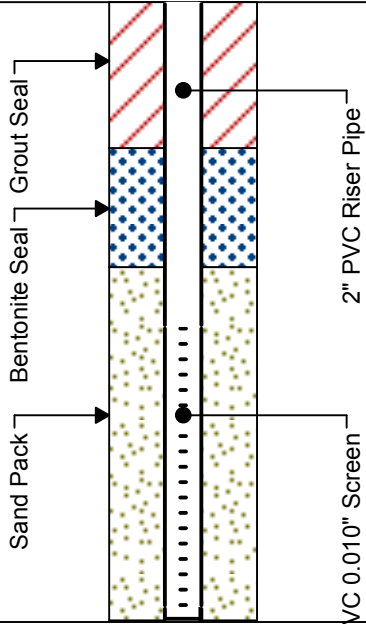
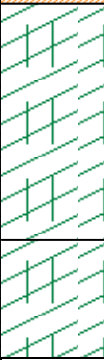
NOTES: Boring logs for monitoring wells installed on-site and off-site are attached.

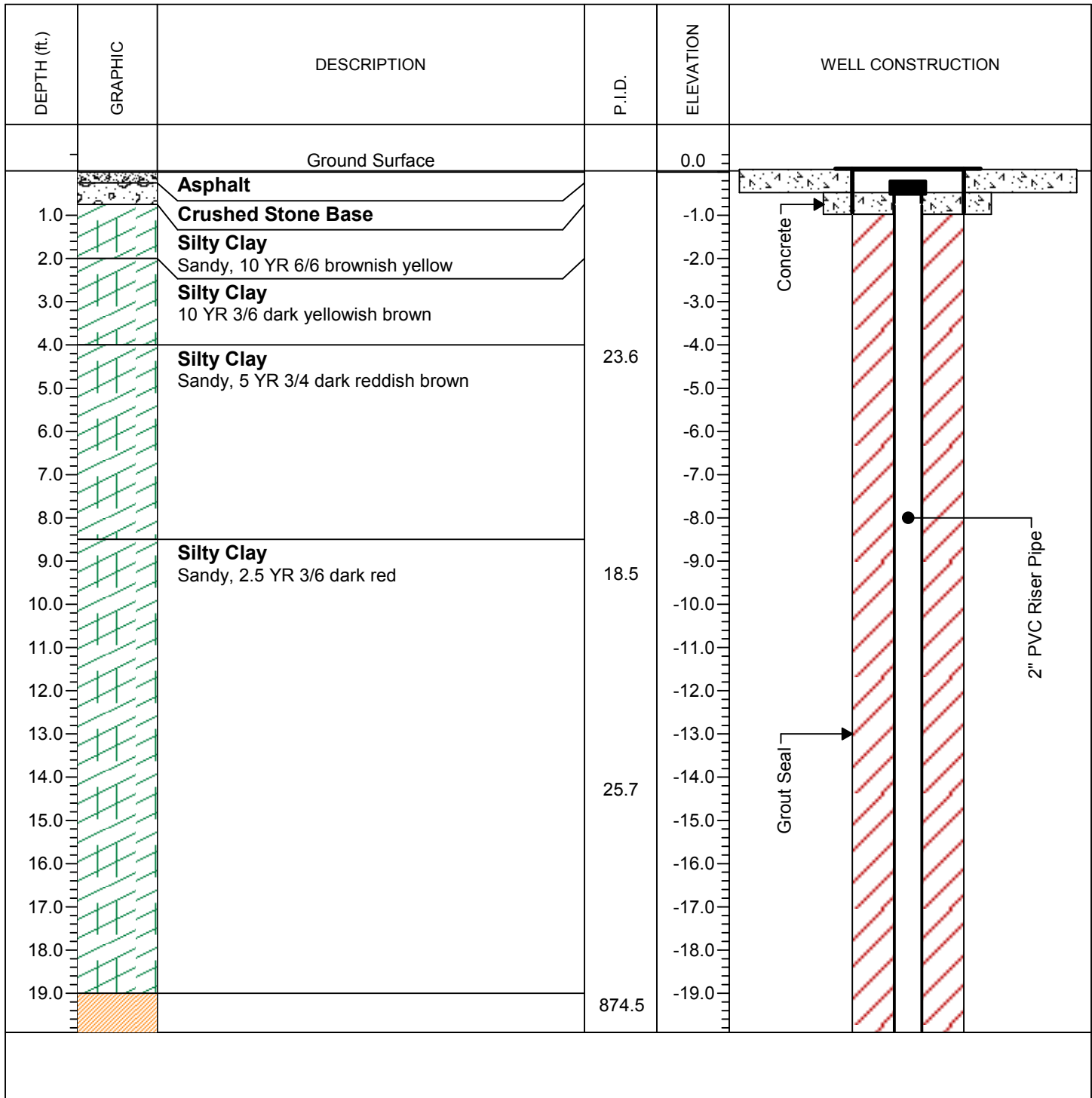
ACCESS INFORMATION: This is an active gas station and the site is easily accessible.

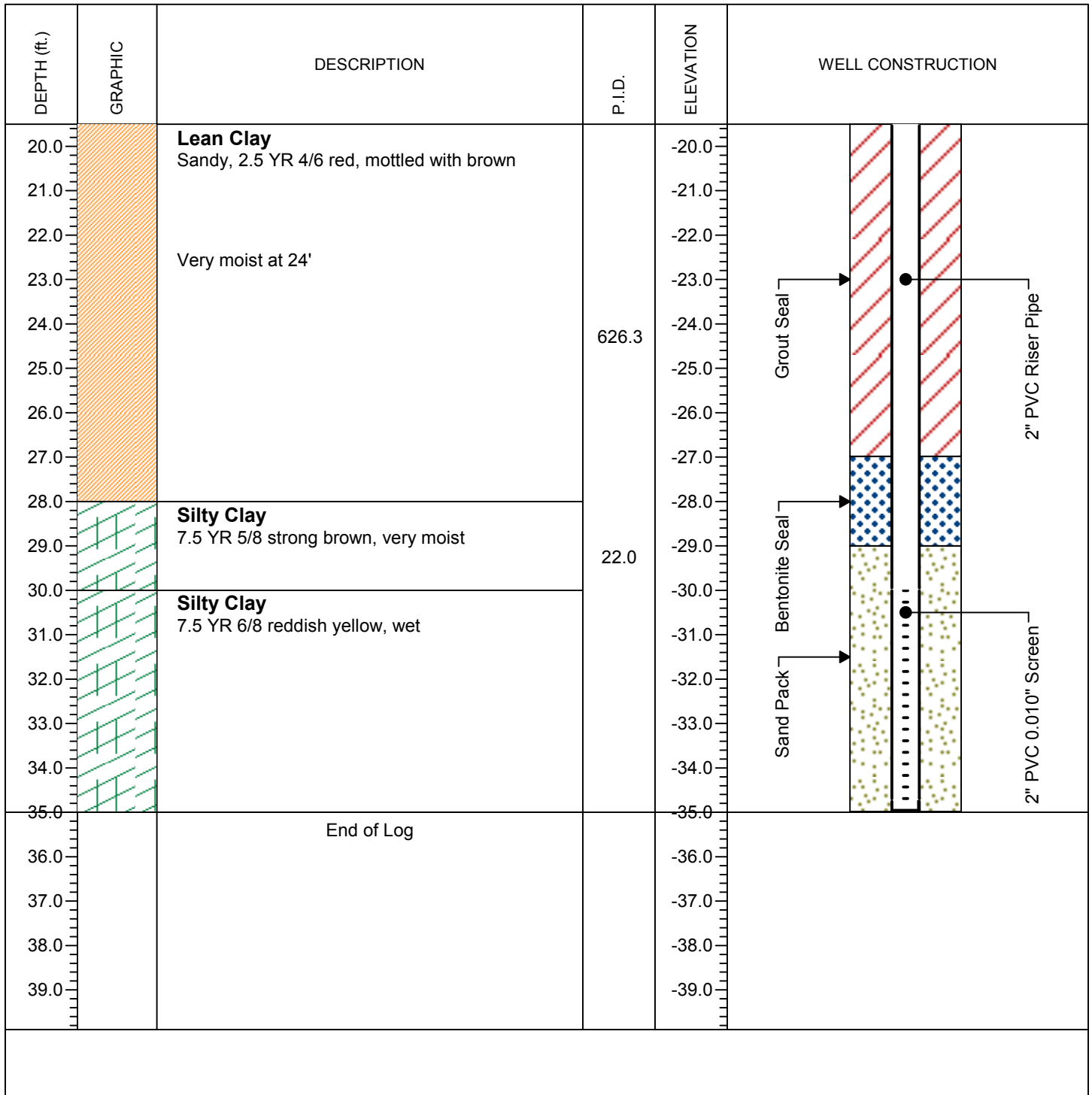
EXPLORATORY PITS OR BORING LOGS: ***Attach additional pages as necessary. Include notes and dates.***

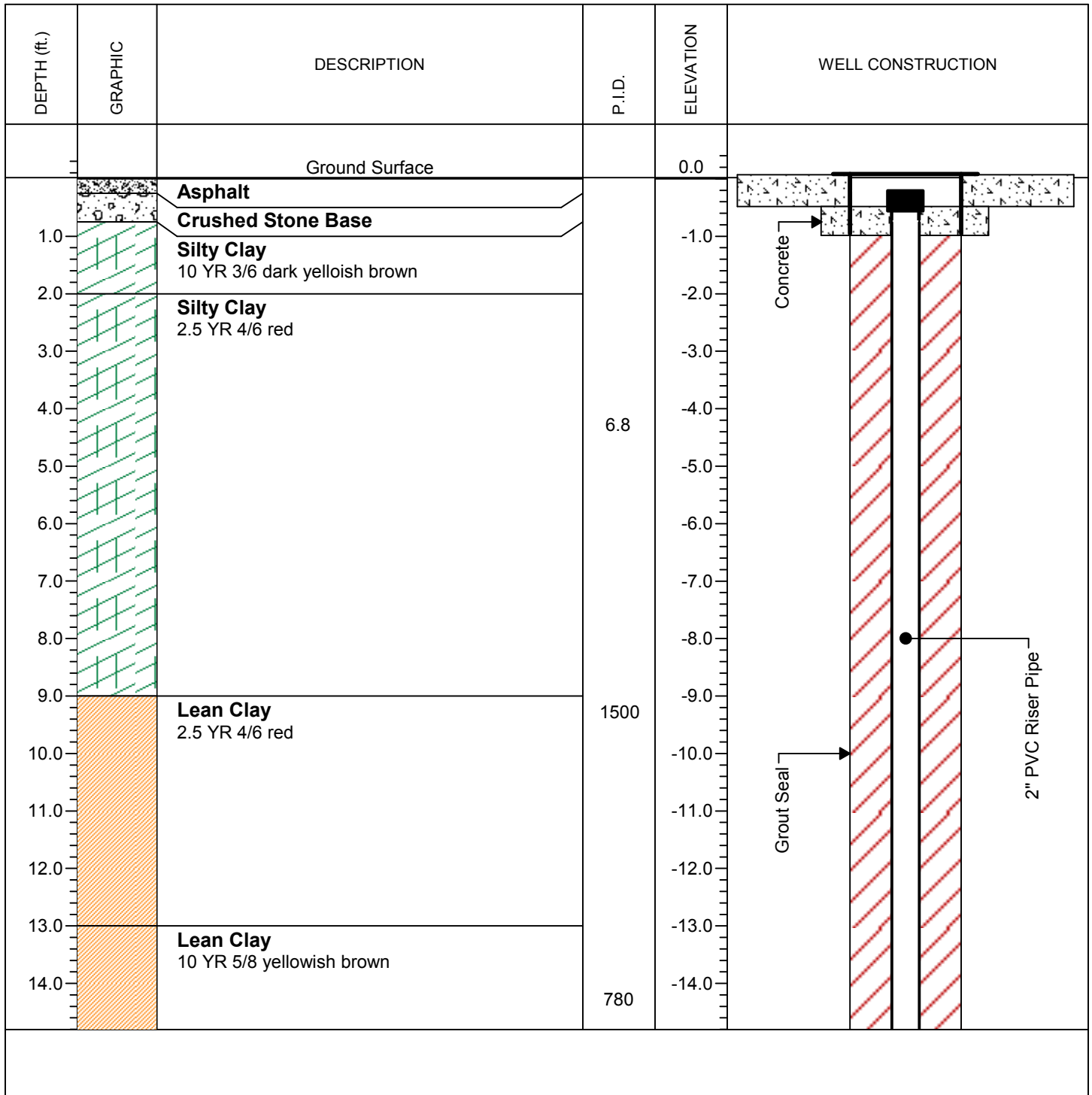
LOG OF BORING: SB-1 / MW-1**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 24, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

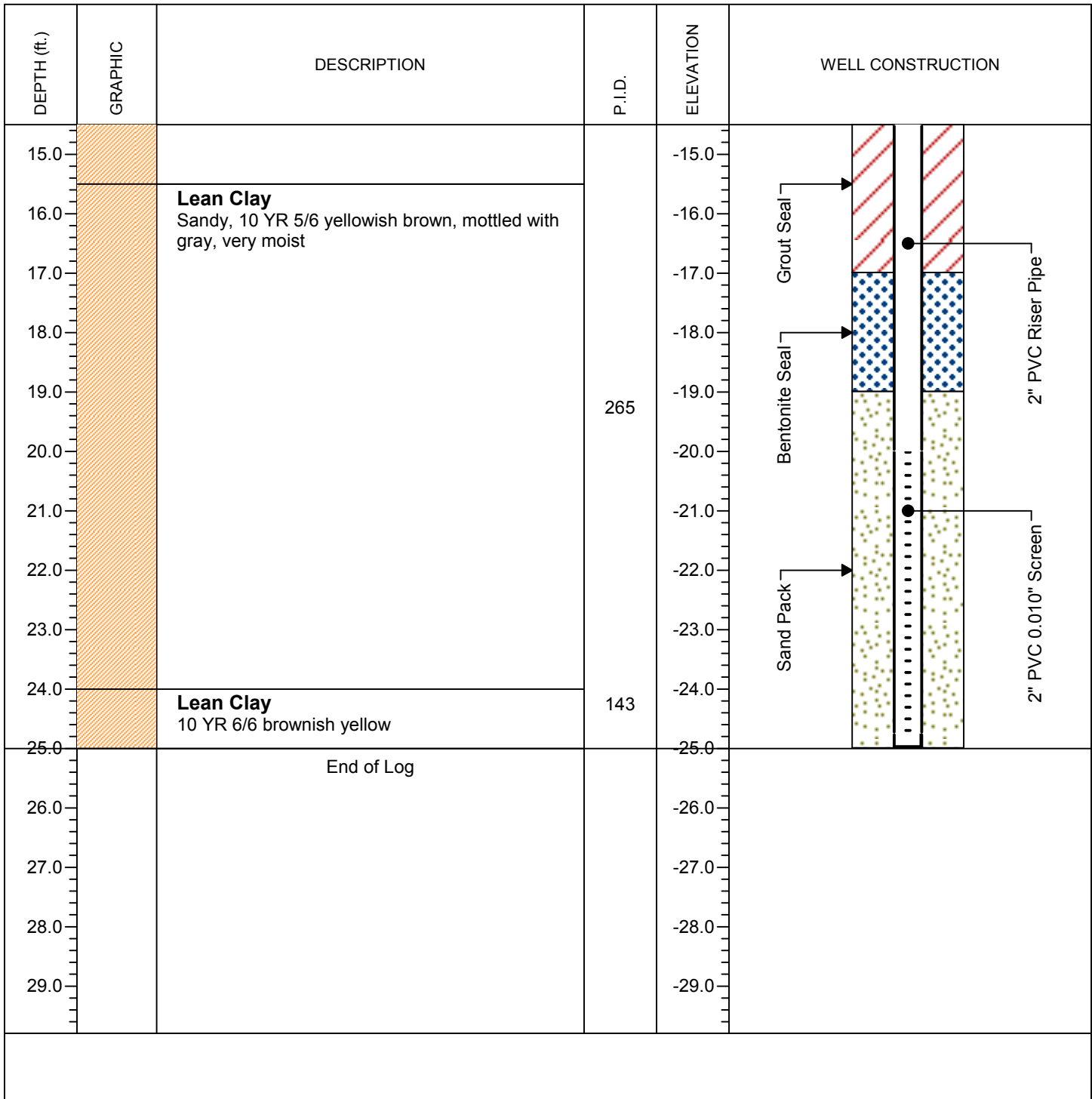
LOG OF BORING: SB-1 / MW-1**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 24, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

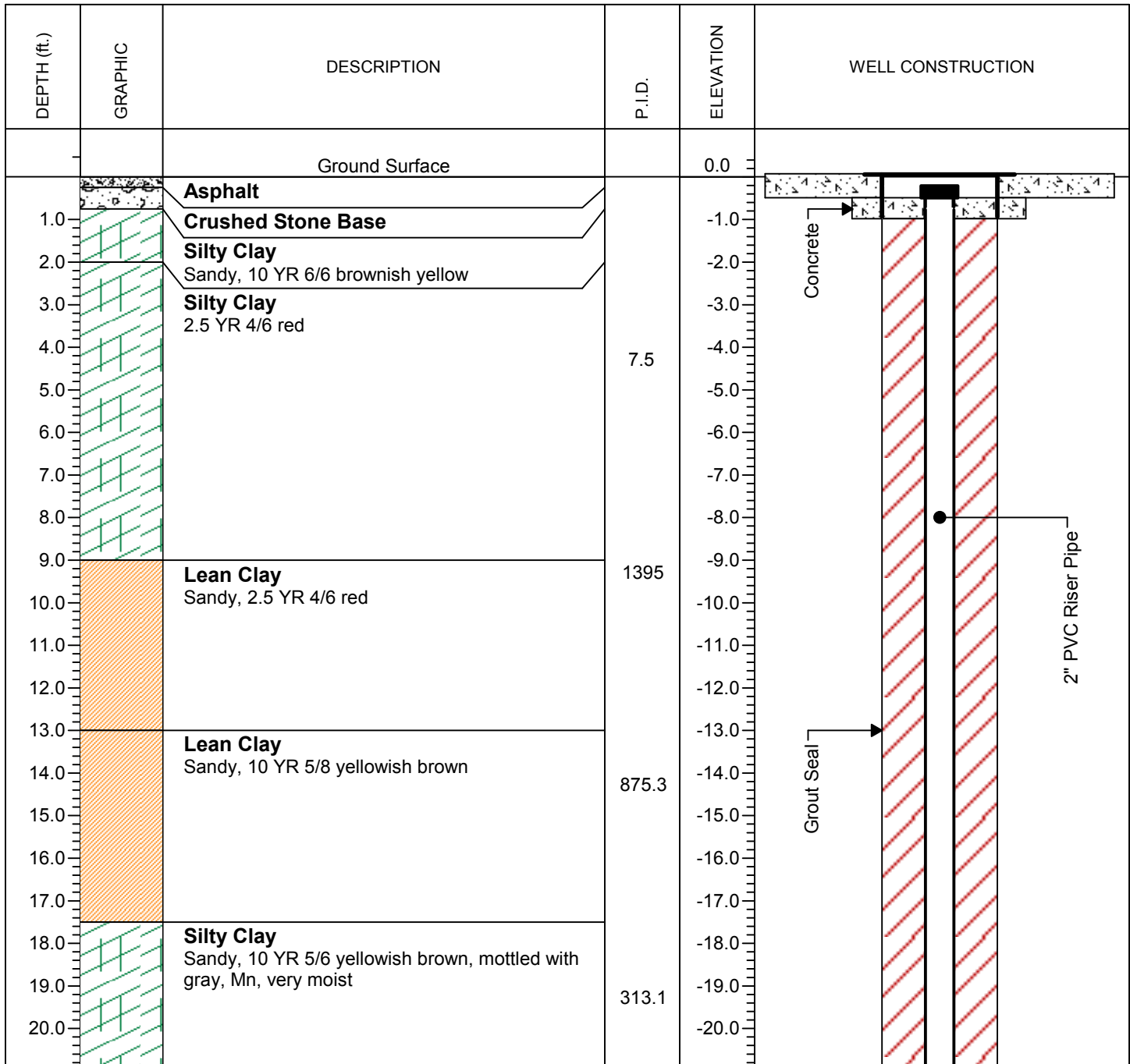
DEPTH (ft.)	GRAPHIC	DESCRIPTION	P.I.D.	ELEVATION	WELL CONSTRUCTION
20.0		Lean Clay Sandy, 7.5 YR 5/6 strong brown	557.7	-20.0	
21.0				-21.0	
22.0				-22.0	
23.0				-23.0	
24.0		Silty Clay Sandy, 7.5 YR 4/6 strong brown, Mn, moist.	557.7	-24.0	
25.0				-25.0	
26.0				-26.0	
27.0				-27.0	
28.0		Silty Clay Sandy, 5 YR 5/6 yellowish red, wet	557.7	-28.0	
29.0				-29.0	
30.0		End of Log		-30.0	2" PVC 0.010" Screen
31.0				-31.0	
32.0				-32.0	
33.0				-33.0	
34.0				-34.0	
35.0				-35.0	
36.0				-36.0	
37.0				-37.0	
38.0				-38.0	
39.0				-39.0	

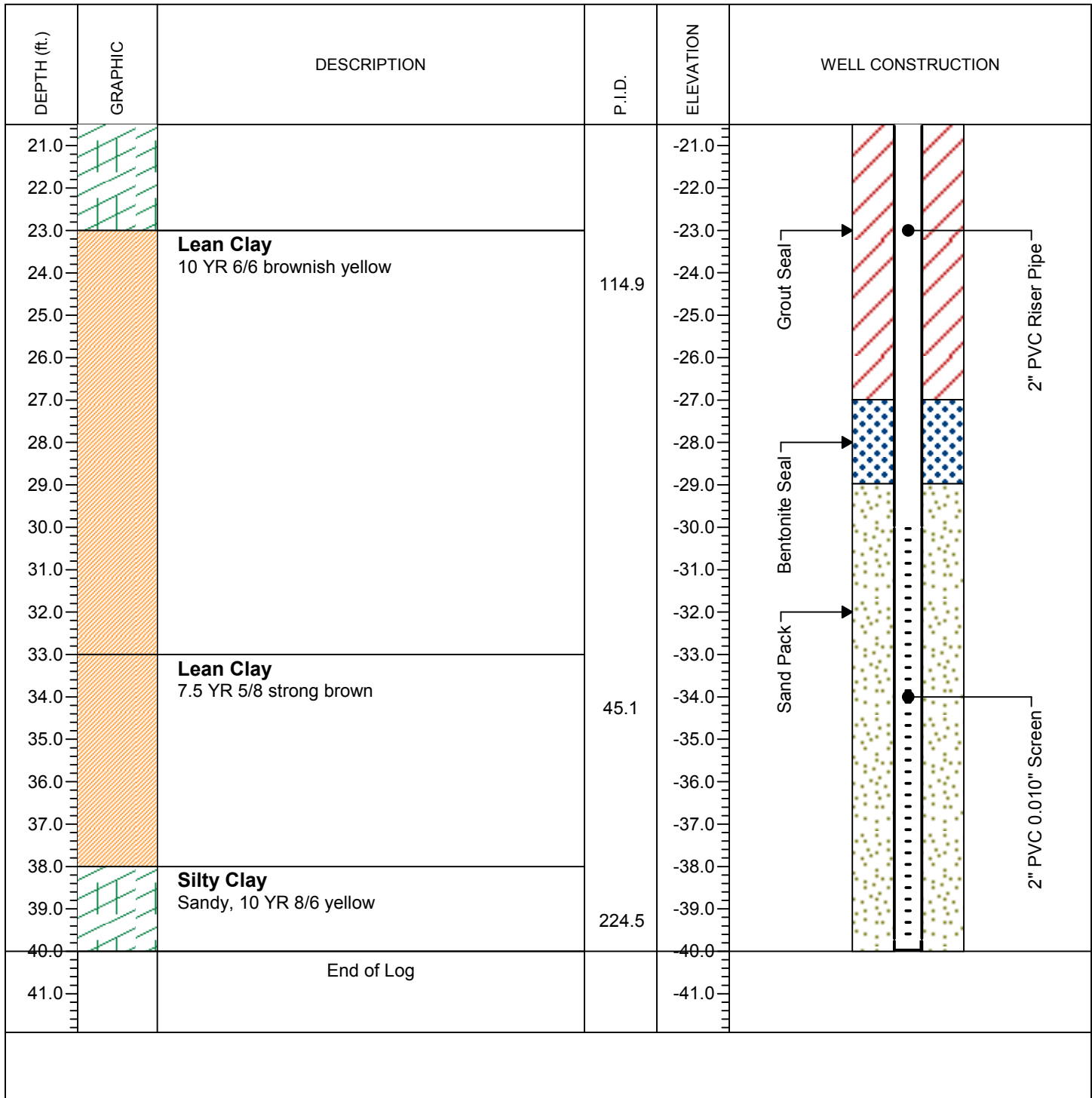
LOG OF BORING: SB-2 / MW-2**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 23, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 35**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

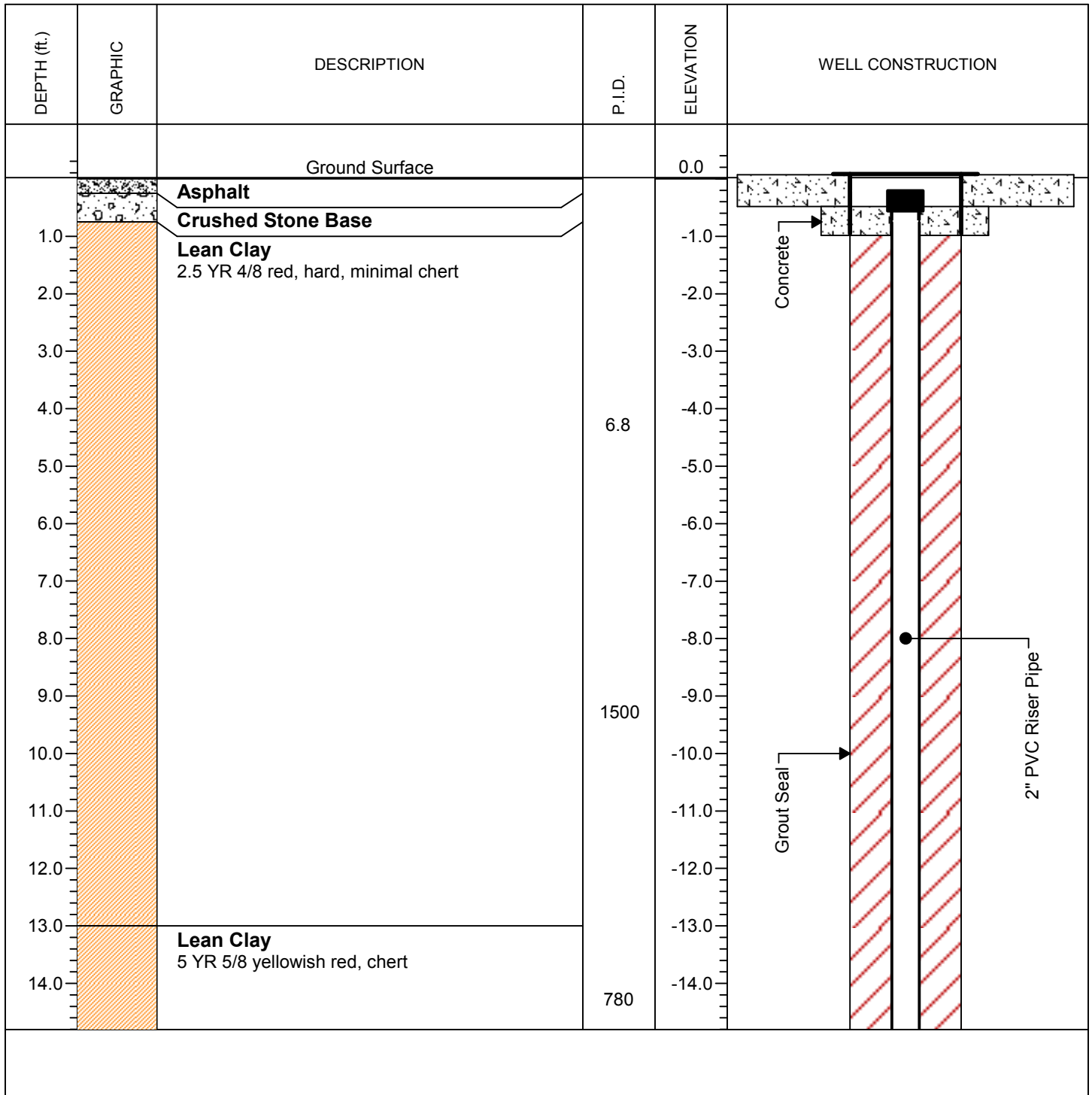
LOG OF BORING: SB-2 / MW-2**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 23, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 35**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

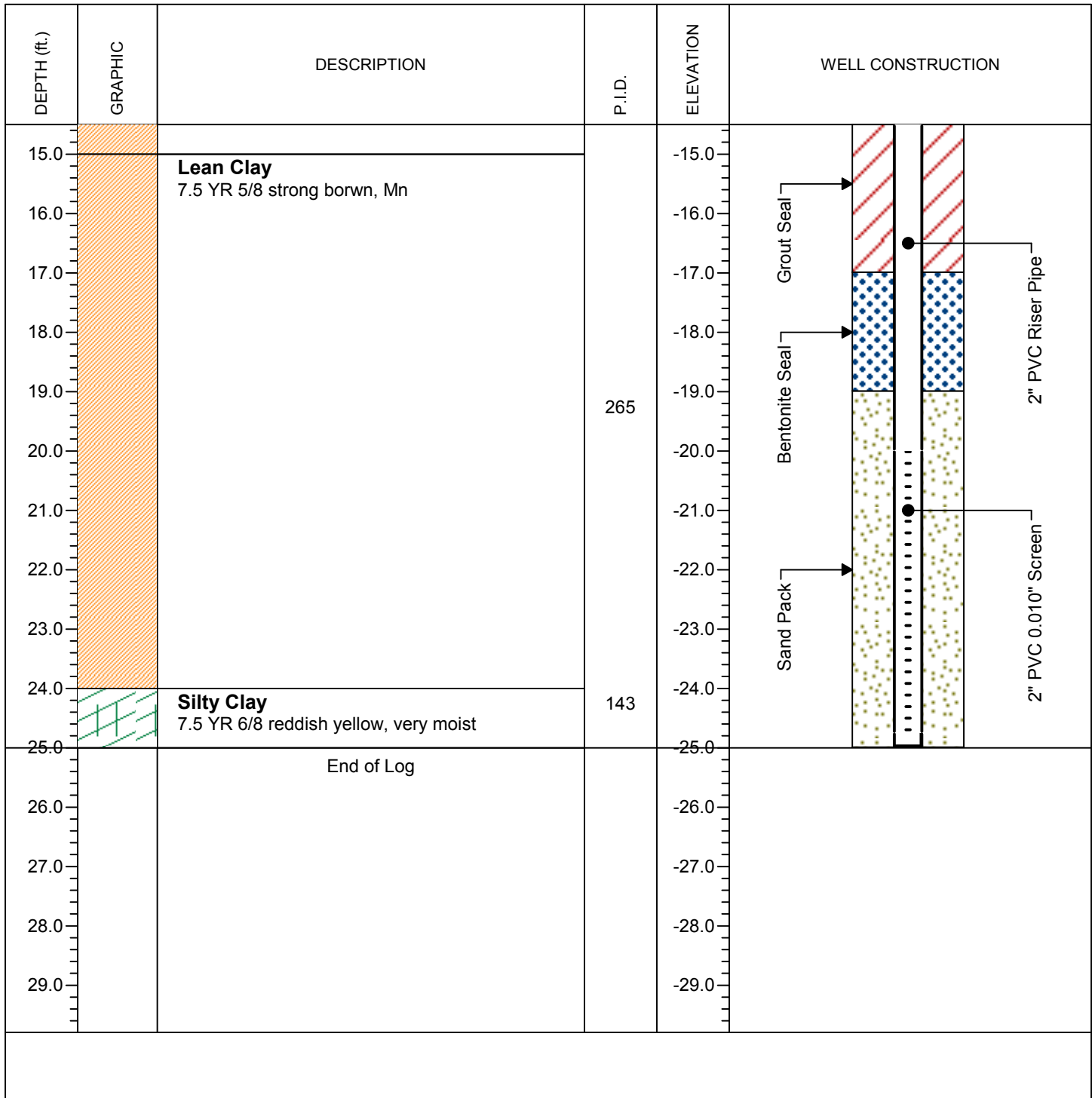
LOG OF BORING: SB-3 / MW-3**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 25, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

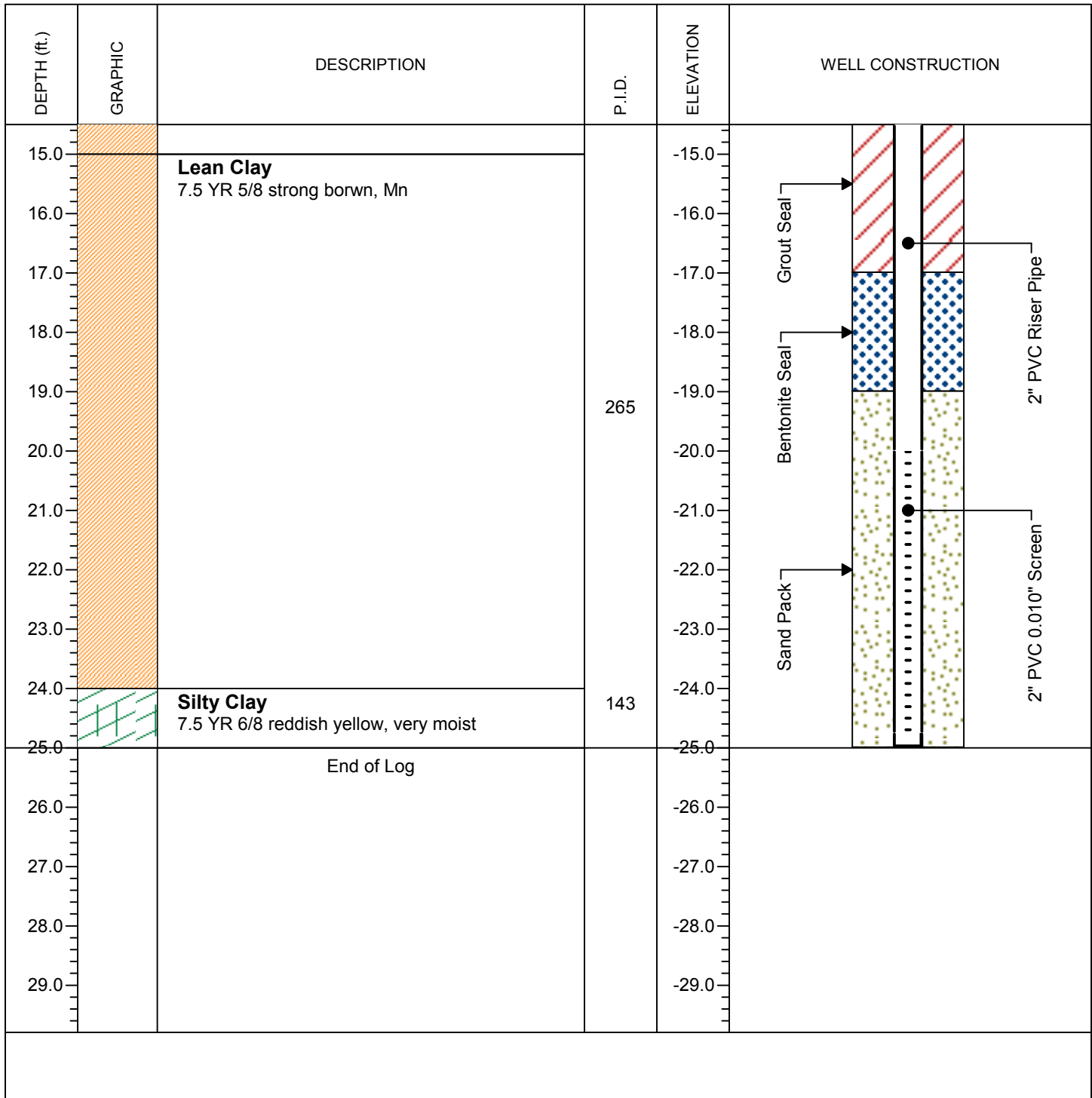
LOG OF BORING: SB-3 / MW-3**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 25, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

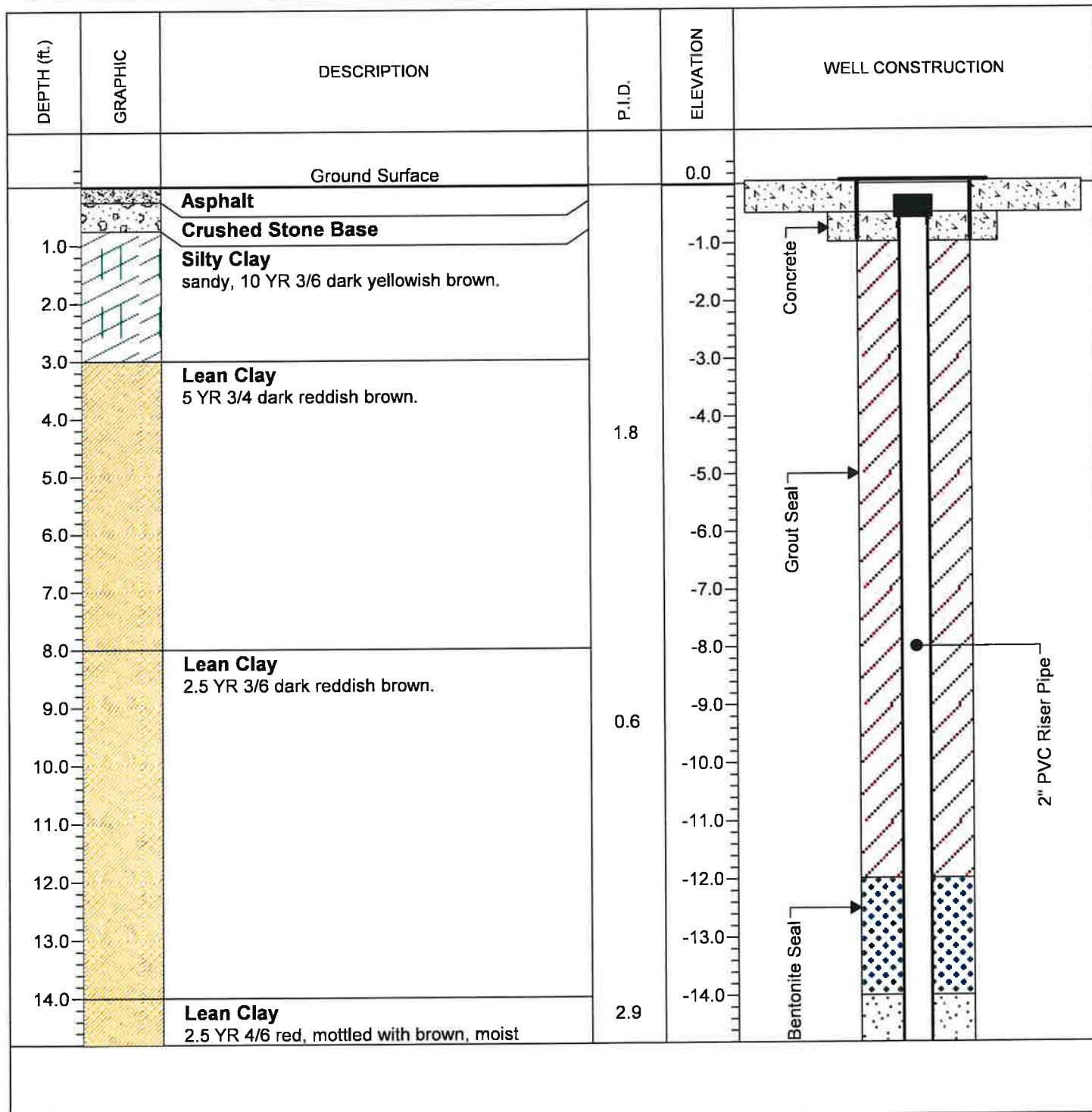
LOG OF BORING: SB-3A / MW-3A**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 24, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 40**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

LOG OF BORING: SB-3A / MW-3A**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 24, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 40**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

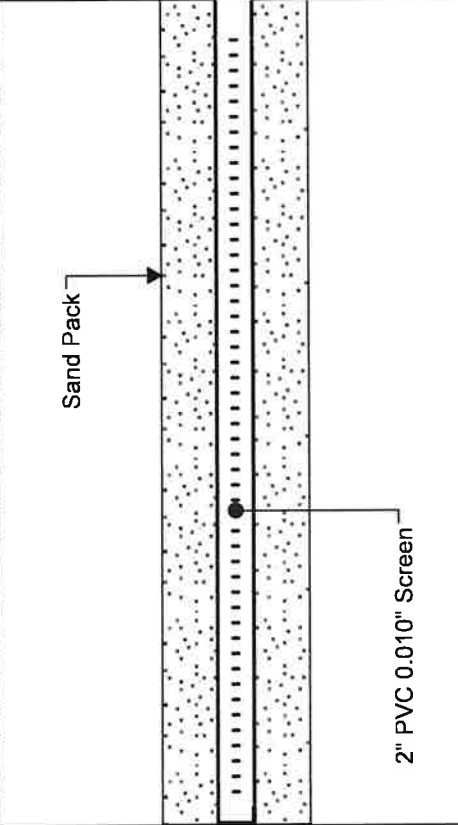
LOG OF BORING: SB-4 / MW-4**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 23, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

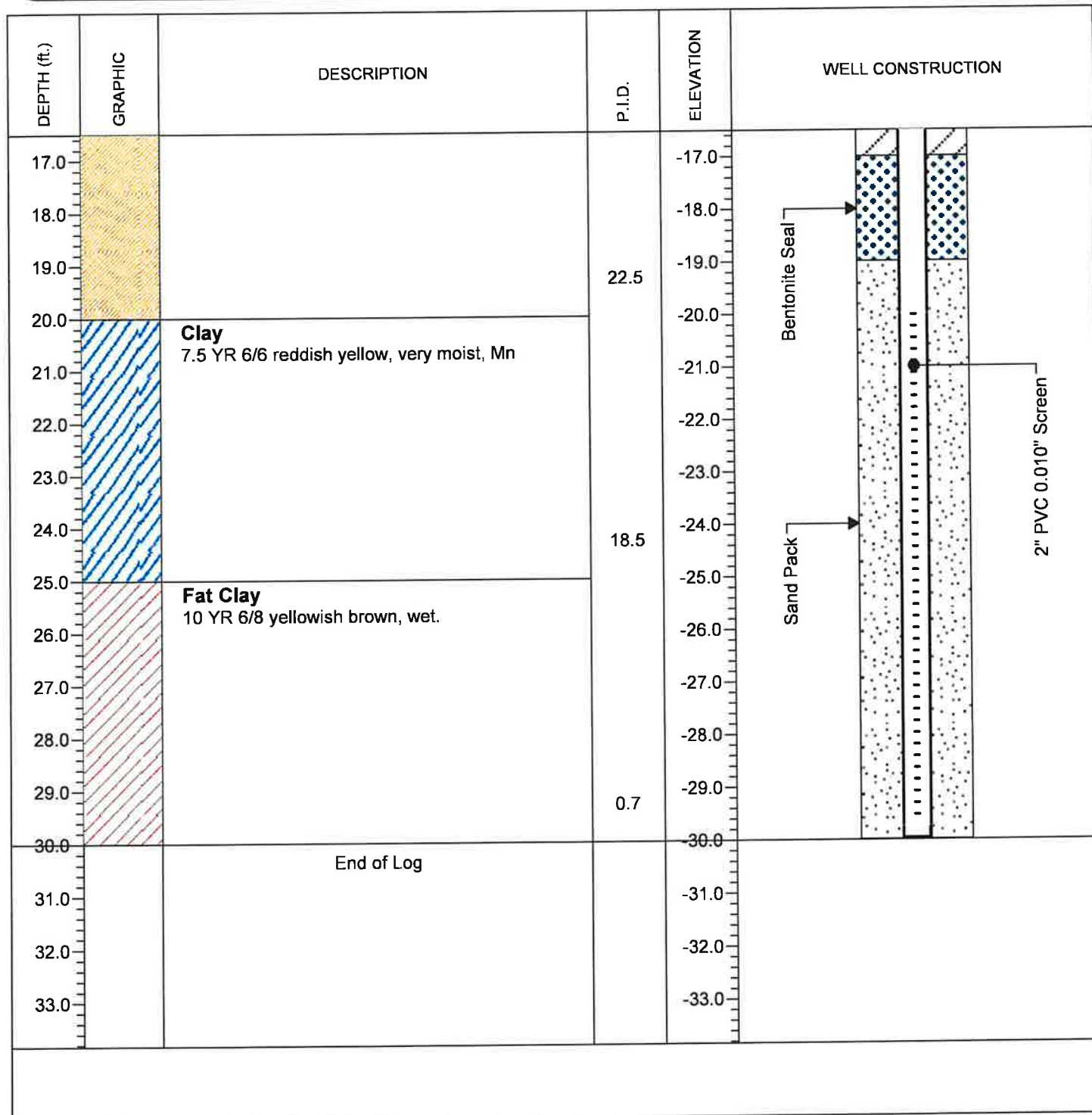
LOG OF BORING: SB-4 / MW-4**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 23, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

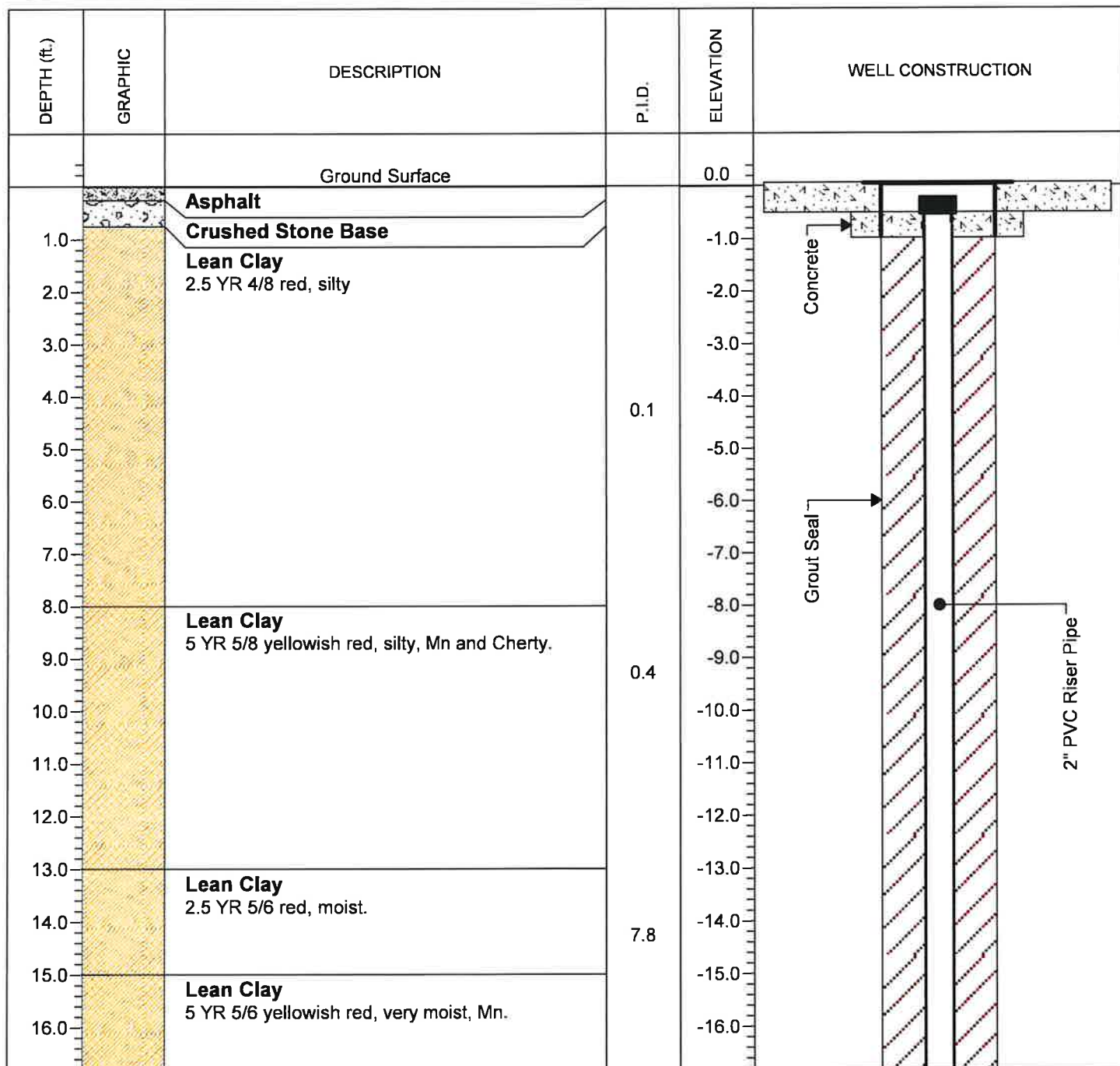
LOG OF BORING: SB-4 / MW-4**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** 15252-015-003245**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Hunter Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** January 23, 2023**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

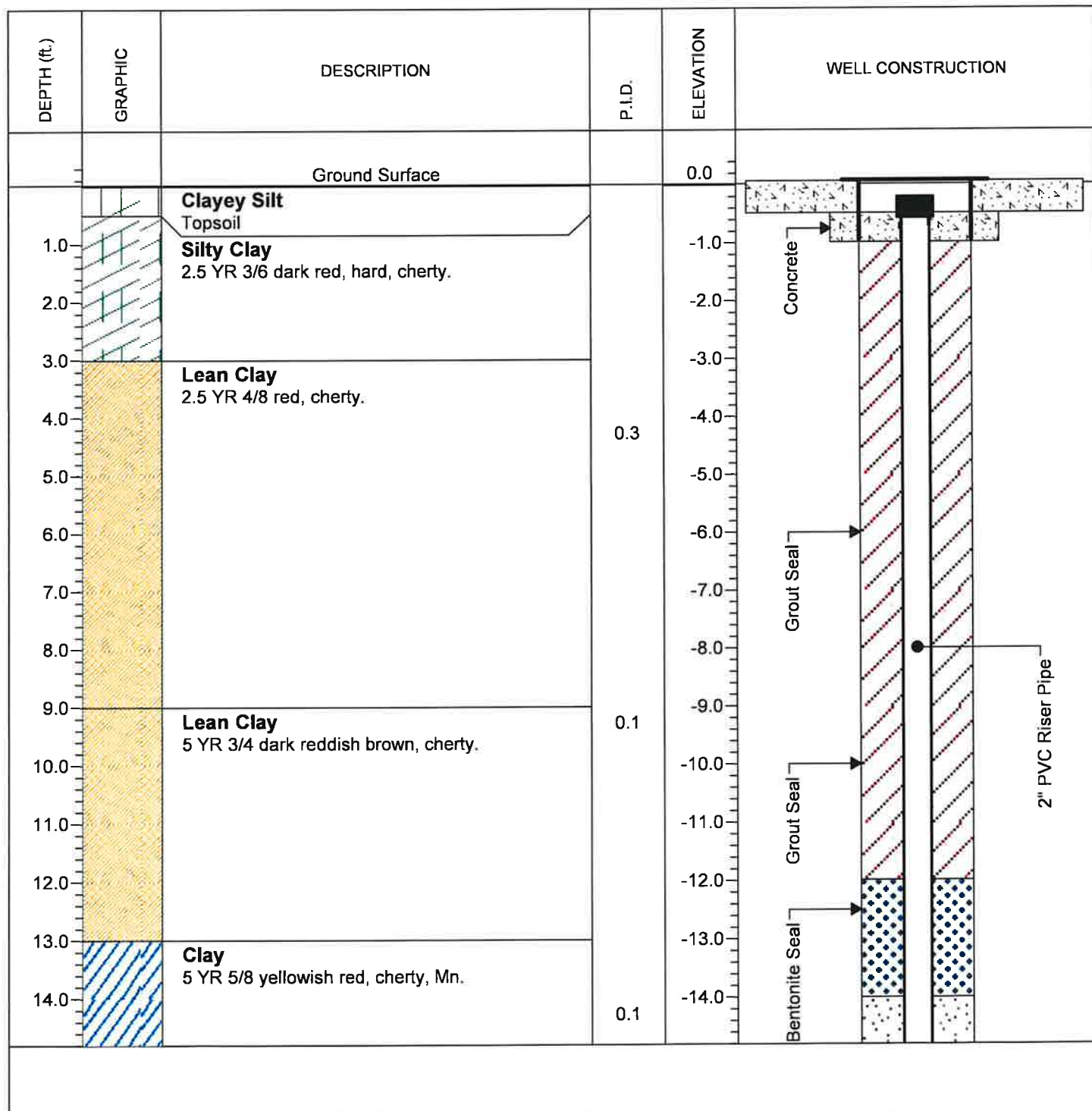
LOG OF BORING: SB-5 / MW-5**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 12, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

LOG OF BORING: SB-5 / MW-5**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 12, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

DEPTH (ft.)	GRAPHIC	DESCRIPTION	P.I.D.	ELEVATION	WELL CONSTRUCTION
15.0			2.5	-15.0	
16.0				-16.0	
17.0				-17.0	
18.0				-18.0	
19.0				-19.0	
20.0				-20.0	
21.0		Lean Clay	1.3	-21.0	
22.0		5 YR 5/8 yellowish red, Cherty, wet at 24'-25'.		-22.0	
23.0				-23.0	
24.0				-24.0	
25.0		End of Log		-25.0	
26.0				-26.0	
27.0				-27.0	
28.0				-28.0	
29.0				-29.0	

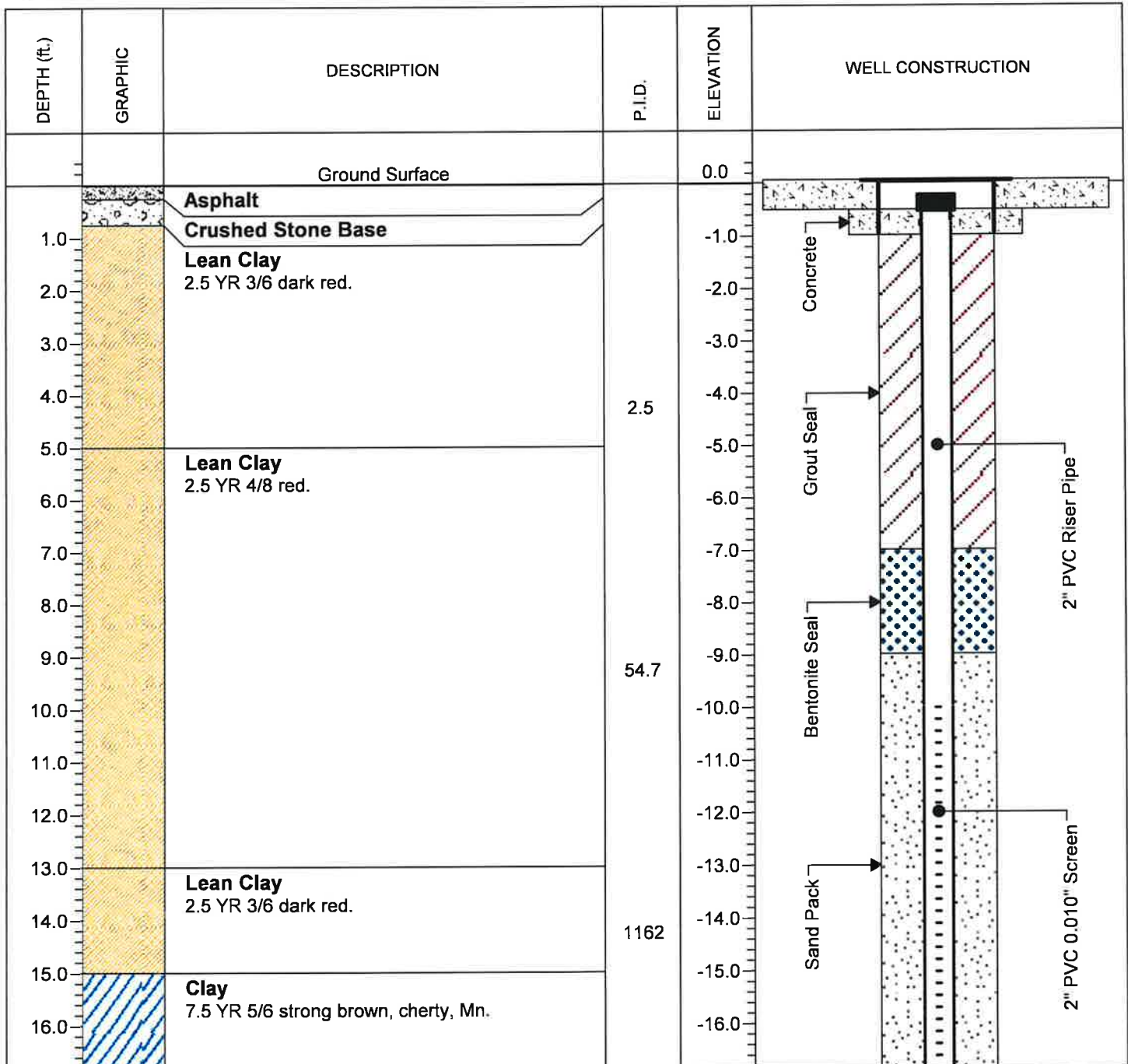
LOG OF BORING: SB-6 / MW-6**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 13, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

LOG OF BORING: SB-6 / MW-6**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 13, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

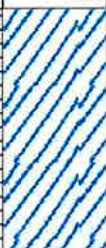
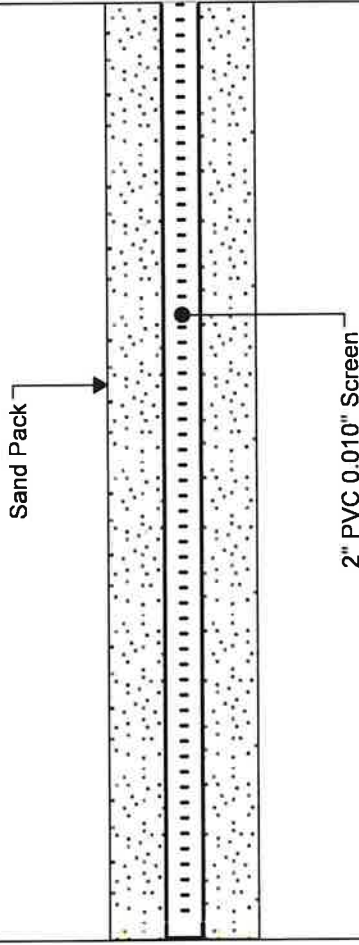
LOG OF BORING: SB-7 / MW-7**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 12, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

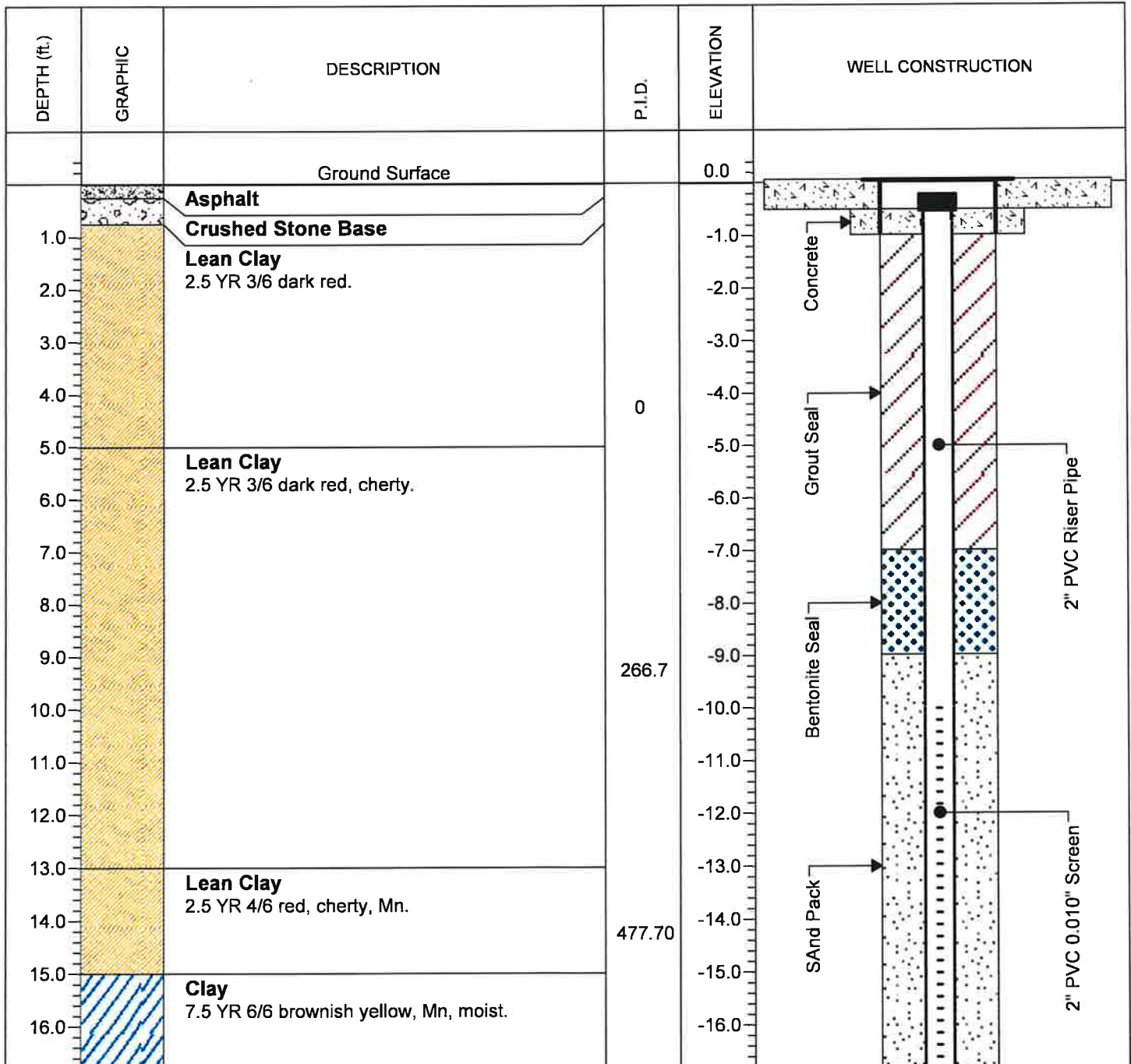
LOG OF BORING: SB-7 / MW-7**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 12, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 25**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

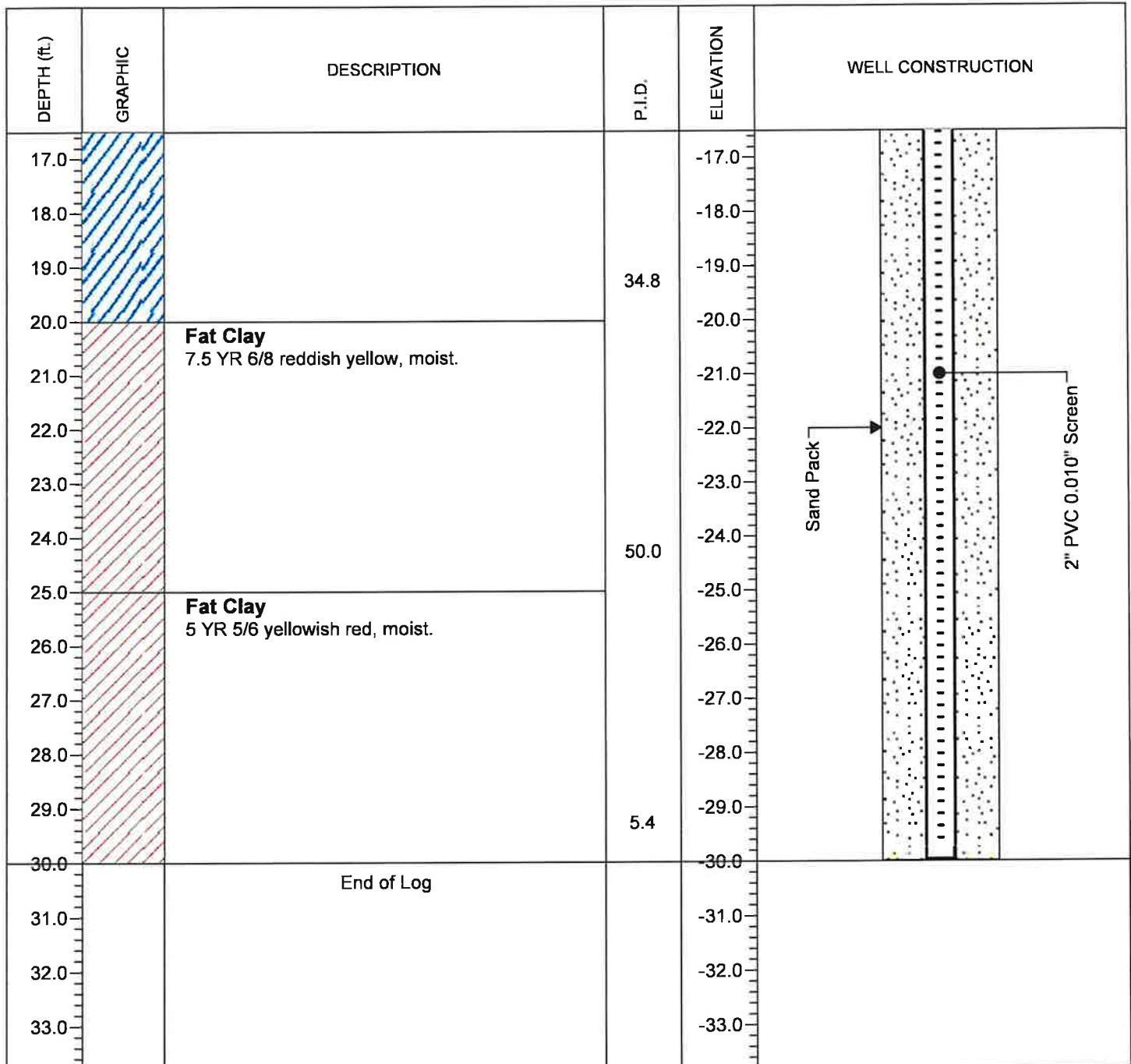
DEPTH (ft.)	GRAPHIC	DESCRIPTION	P.I.D.	ELEVATION	WELL CONSTRUCTION
15.0		Fat Clay 7.5 YR 6/8 reddish yellow.	0.1	-15.0	 2" PVC 0.010" Screen
16.0		very moist at 18'-20'		-16.0	
17.0		wet at 22'-23'		-17.0	
18.0				-18.0	
19.0				-19.0	
20.0				-20.0	
21.0				-21.0	
22.0				-22.0	
23.0				-23.0	
24.0				-24.0	
25.0		End of Log		-25.0	
26.0				-26.0	
27.0				-27.0	
28.0				-28.0	
29.0				-29.0	

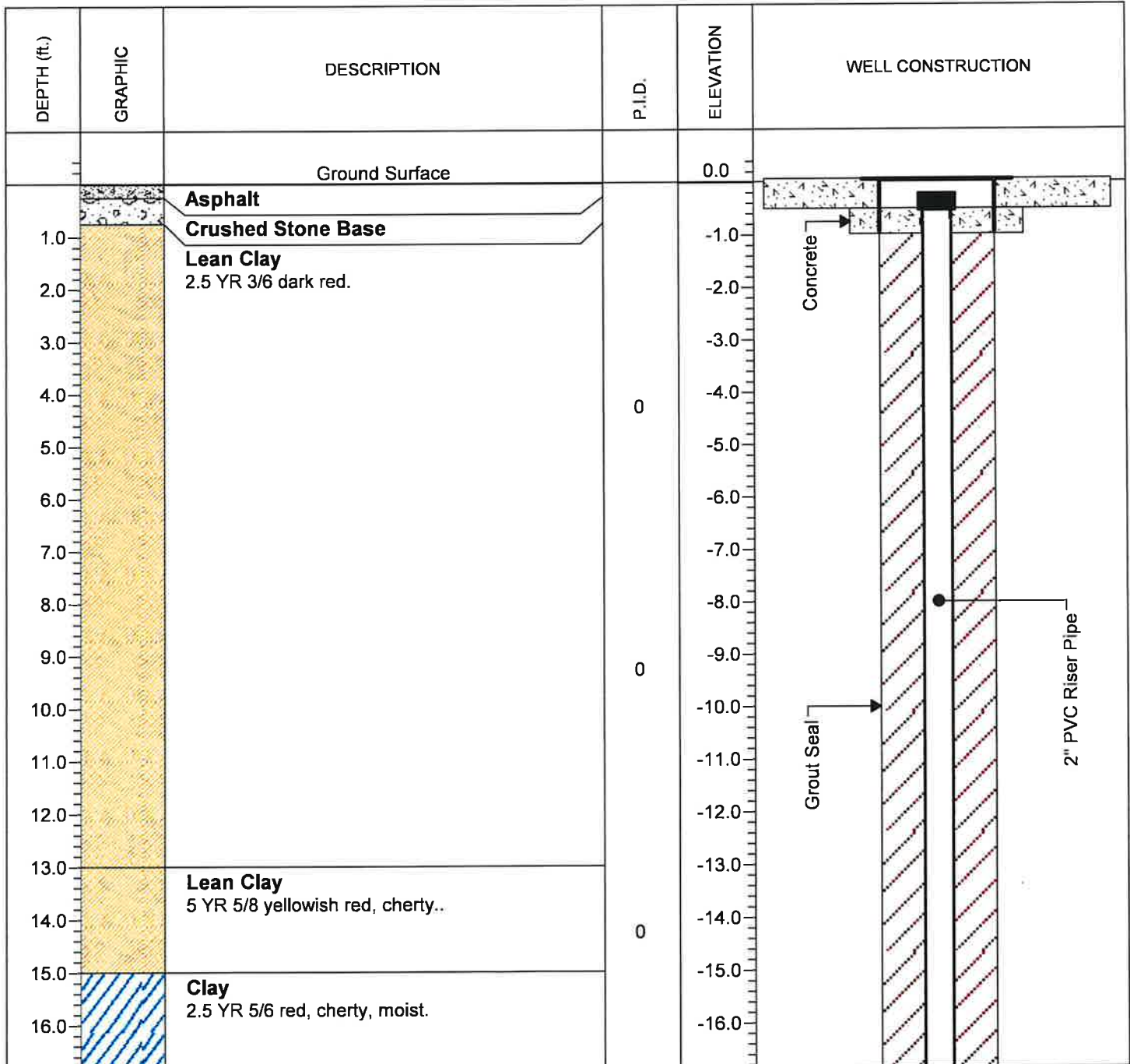
LOG OF BORING: SB-8 / MW-8**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 14, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

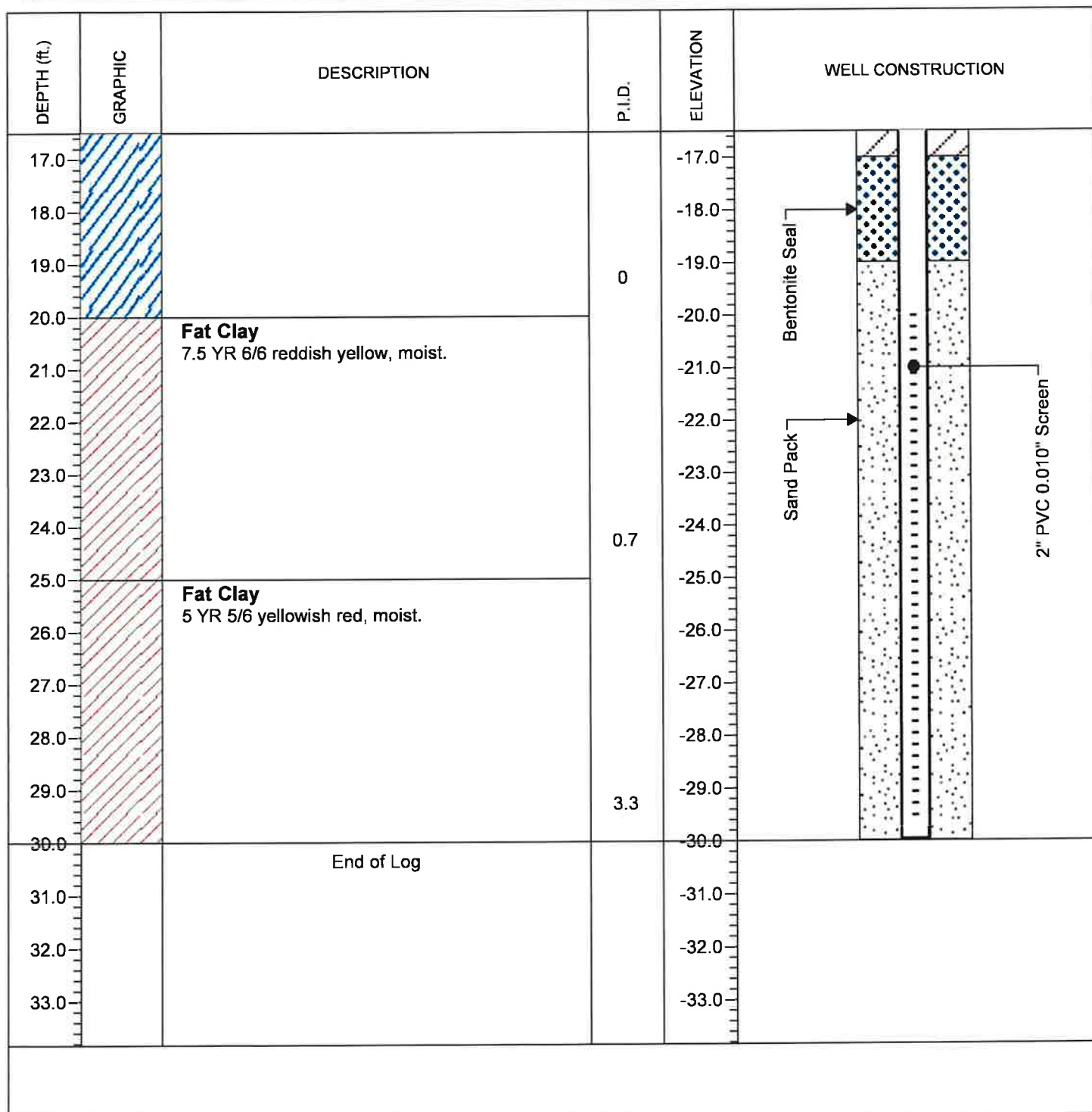
LOG OF BORING: SB-8 / MW-8**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 14, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

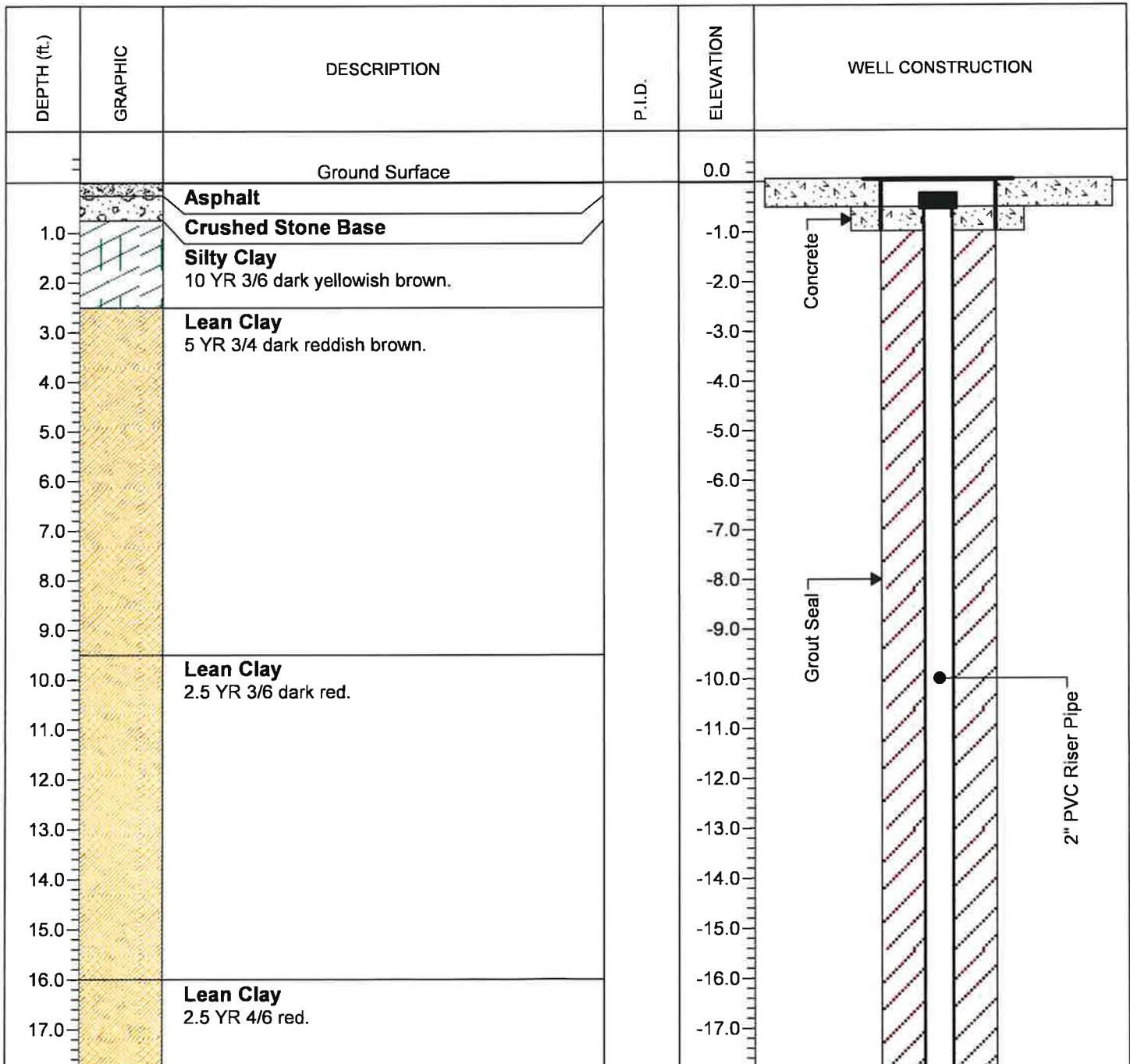
DEPTH (ft.)	GRAPHIC	DESCRIPTION	P.I.D.	ELEVATION	WELL CONSTRUCTION	
17.0			2195	-17.0		
18.0				-18.0		
19.0				-19.0		
20.0				-20.0		
21.0		Fat Clay 7.5 YR 6/6 reddish yellow, moist.	216.4	-21.0		
22.0				-22.0		
23.0				-23.0		
24.0				-24.0		
25.0				-25.0		
26.0				-26.0		
27.0		Fat Clay 2.5 YR 5/6 red, moist.	340.4	-27.0		
28.0				-28.0		
29.0				-29.0		
30.0				-30.0		
31.0		End of Log		-31.0		
32.0				-32.0		
33.0				-33.0		

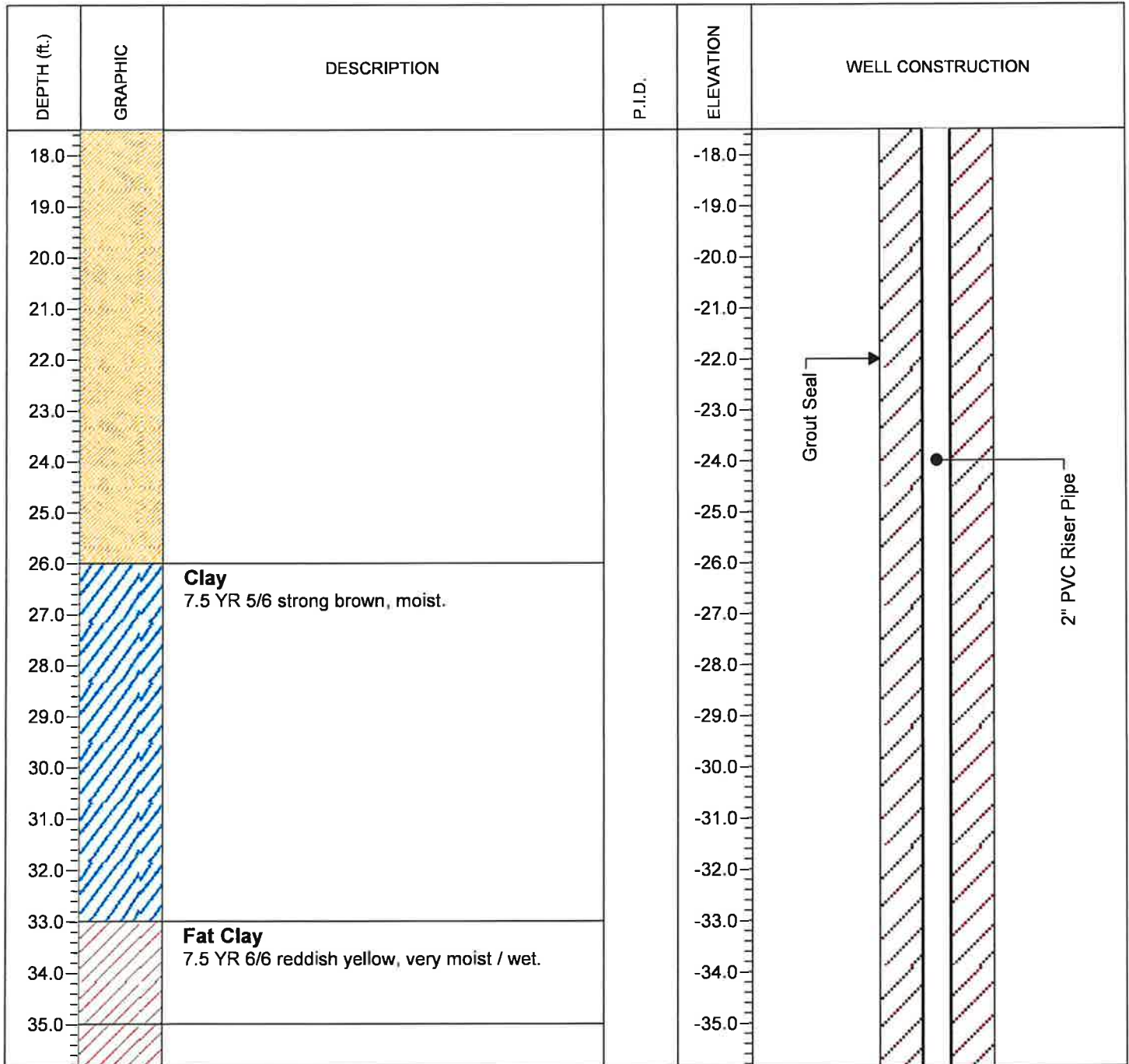
LOG OF BORING: SB-9 / MW-9**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 13, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

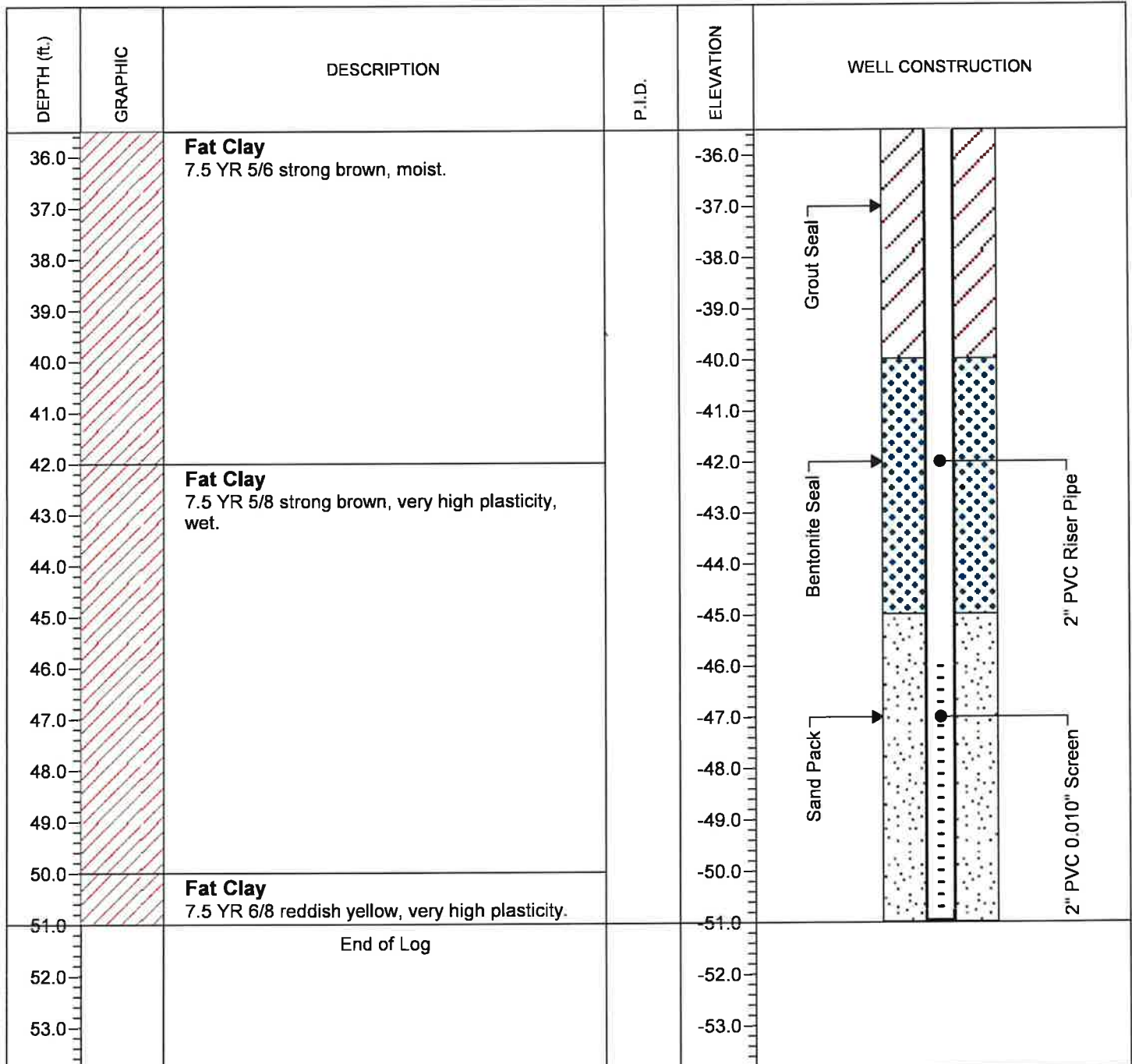
LOG OF BORING: SB-9 / MW-9**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 13, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

LOG OF BORING: SB-10 / MW-10**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 13, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

LOG OF BORING: SB-10 / MW-10**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 13, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 30**BORING DIA. (IN.):** 8**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

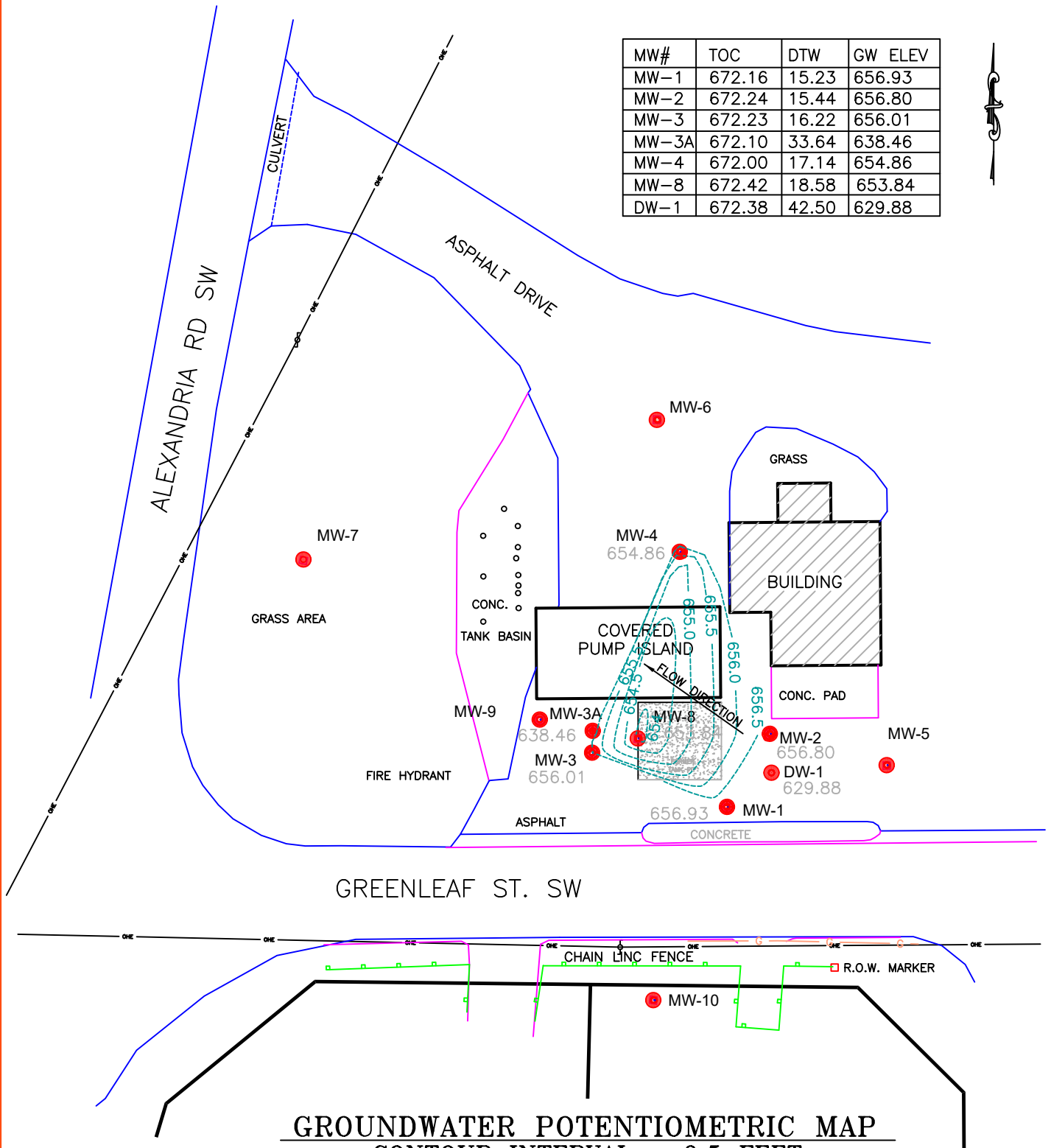
LOG OF BORING: DW-1**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 11, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 51**BORING DIA. (IN.):** 10**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

LOG OF BORING: DW-1**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 11, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 51**BORING DIA. (IN.):** 10**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

LOG OF BORING: DW-1**PROJECT NO.:** 22-01-0333**PROJECT:** Discount Food Mart**CLIENT:** UST09-05-04**LOCATION:** Jacksonville, Alabama**DRILLING CO.:** Mid-South Testing, Inc.**DRILLER:** Logan Boyd**SITE PROFESSIONAL:** Suzanne Holm / Geologist**DATE:** December 11, 2024**ELEVATION (MSL):****BORING DEPTH (FT.):** 51**BORING DIA. (IN.):** 10**WATER LEVEL(FT.):****DRILLING METHOD:** Hollow Stem Auger**SAMPLING METHOD:** Standard Split Spoon

APPENDIX C GROUNDWATER POTENTIOMETRIC MAPS

MW#	TOC	DTW	GW ELEV
MW-1	672.16	15.23	656.93
MW-2	672.24	15.44	656.80
MW-3	672.23	16.22	656.01
MW-3A	672.10	33.64	638.46
MW-4	672.00	17.14	654.86
MW-8	672.42	18.58	653.84
DW-1	672.38	42.50	629.88

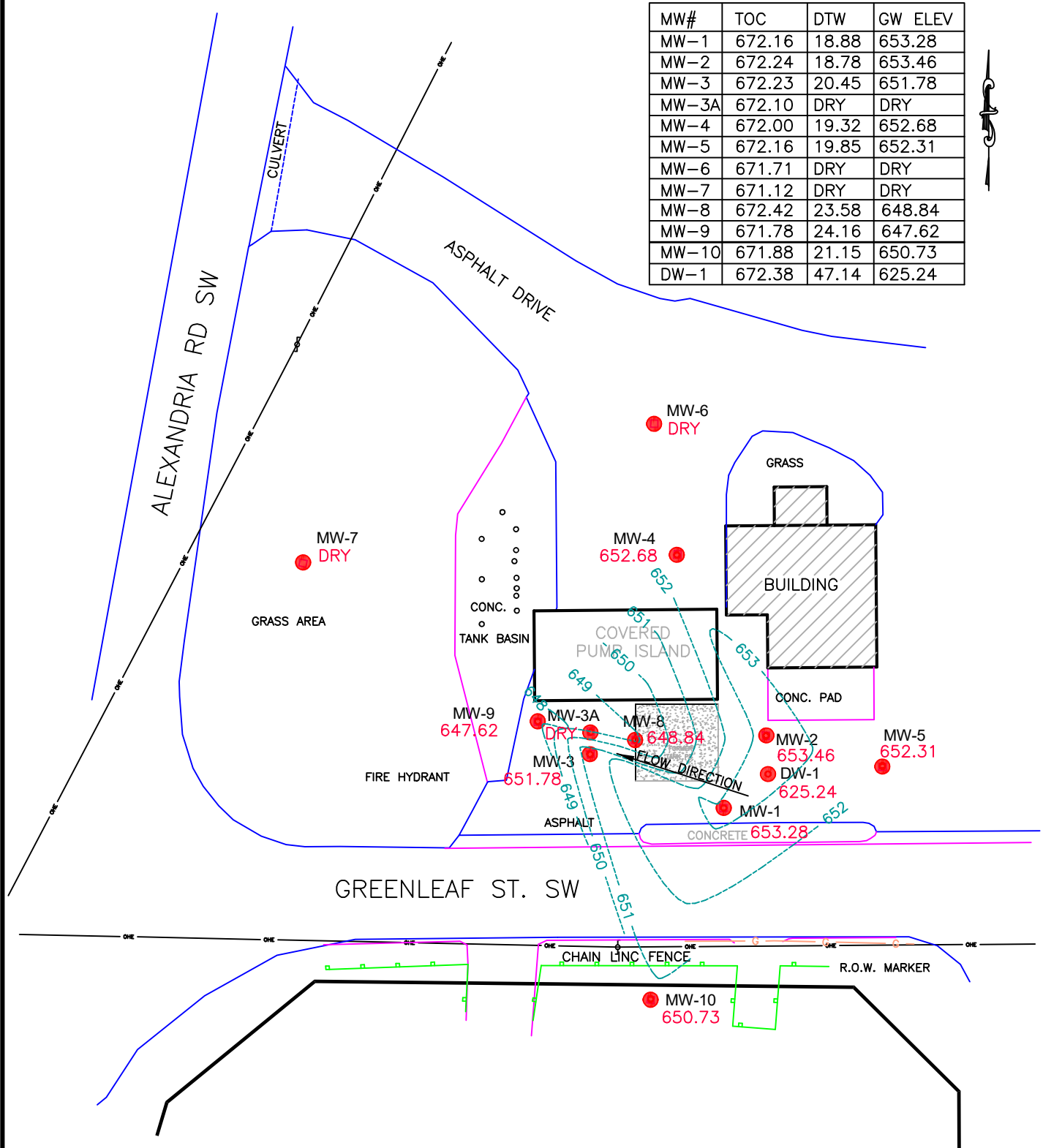


GROUNDWATER POTENTIOMETRIC MAP
CONTOUR INTERVAL = 0.5 FEET
SAMPLE DATE: = 21 APRIL 2026



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601			
Sheet of	Title SITE MAP	Scale: 1" = 40'	Project No: 22-01-0333
	Project DISCOUNT FOOD MART #110	Date: 23 OCT 23	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: M DRIVE -SROWE-25

MW#	TOC	DTW	GW ELEV
MW-1	672.16	18.88	653.28
MW-2	672.24	18.78	653.46
MW-3	672.23	20.45	651.78
MW-3A	672.10	DRY	DRY
MW-4	672.00	19.32	652.68
MW-5	672.16	19.85	652.31
MW-6	671.71	DRY	DRY
MW-7	671.12	DRY	DRY
MW-8	672.42	23.58	648.84
MW-9	671.78	24.16	647.62
MW-10	671.88	21.15	650.73
DW-1	672.38	47.14	625.24



GROUNDWATER POTENTIOMETRIC MAP

CONTOUR INTERVAL = 1 FOOT
SAMPLE DATE: = 17 NOV 2025



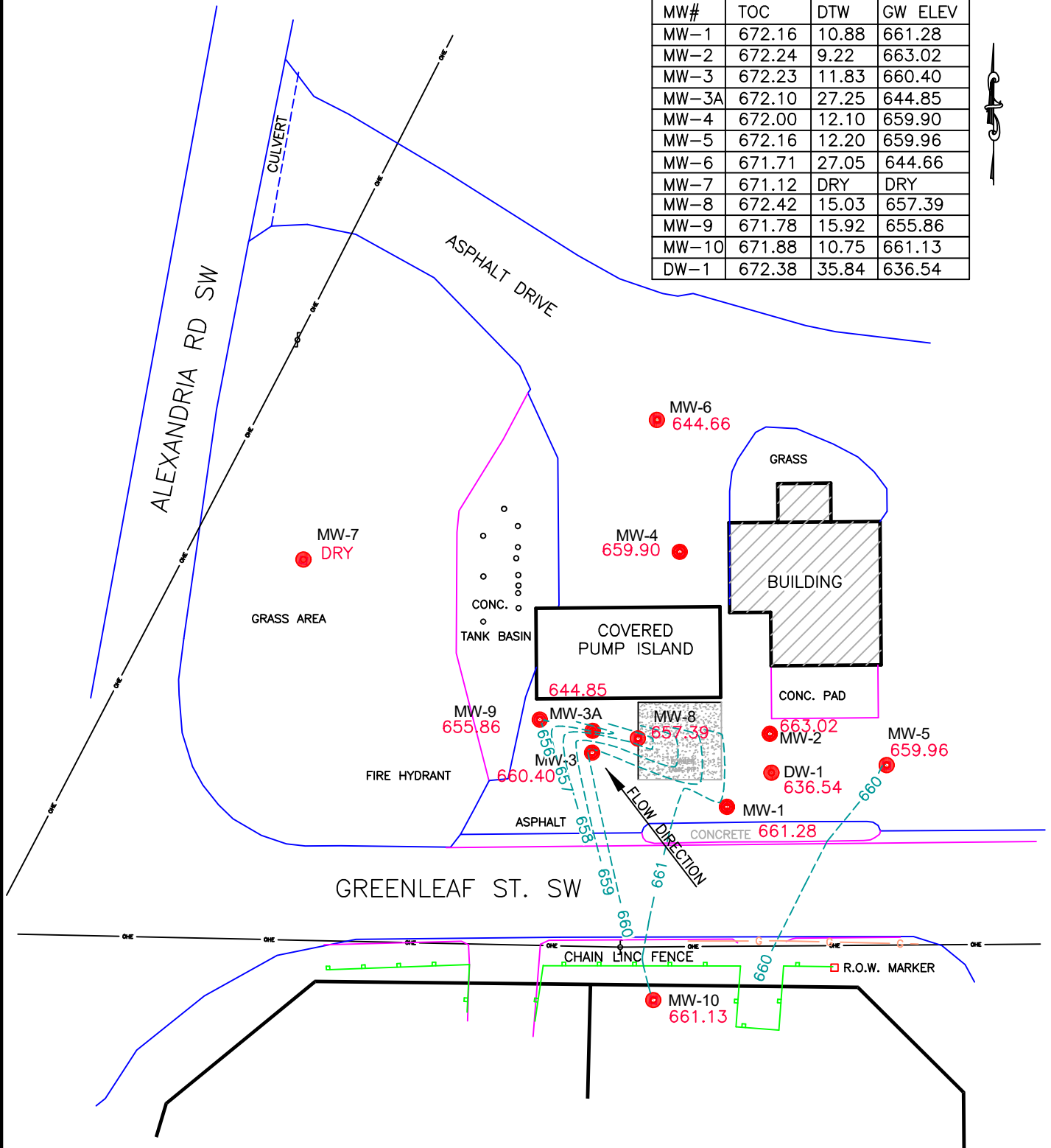
MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title	Scale: 1" = 40'	Project No: 22-01-0333
	Project	Date: 3 AUG 2024	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-23

SITE MAP

DISCOUNT FOOD MART #110

MW#	TOC	DTW	GW ELEV
MW-1	672.16	10.88	661.28
MW-2	672.24	9.22	663.02
MW-3	672.23	11.83	660.40
MW-3A	672.10	27.25	644.85
MW-4	672.00	12.10	659.90
MW-5	672.16	12.20	659.96
MW-6	671.71	27.05	644.66
MW-7	671.12	DRY	DRY
MW-8	672.42	15.03	657.39
MW-9	671.78	15.92	655.86
MW-10	671.88	10.75	661.13
DW-1	672.38	35.84	636.54



GROUNDWATER POTENTIOMETRIC MAP



CONTOUR INTERVAL = 1 FOOT
SAMPLE DATE: = 16 JULY 2025



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title SITE MAP	Scale: 1" = 40'	Project No: 22-01-0333
	Project DISCOUNT FOOD MART #110	Date: 23 OCT 23 Drawn By: SMR	Cad name: CALHOUNCOUNTY File: M DRIVE -SROWE-25

APPENDIX D –HISTORICAL GROUNDWATER ELEVATION TABLES

SUMMARY OF GROUNDWATER ELEVATION SURVEY DATA
DISCOUNT FOOD MART #110, JACKSONVILLE, ALABAMA

Well I.D.	Date	Screened Interval (ft. BTOC)	TOC Elevation (ft. MSL)	Depth to Water (ft. BTOC)	Groundwater Elevation (ft. MSL)
MW-1	1-26-23	25-30'	672.16	9.79	662.37
	5-16-23			12.37	659.79
	12-19-23			16.72	655.44
	4-1-24			16.70	655.46
	7-18-24			12.88	659.28
	1-23-25			12.44	659.72
	4-10-25			7.37	664.79
	7-16-25			10.88	661.28
	11-17-25			18.88	653.28
	4-21-26			15.23	656.93
MW-2	1-26-23	30-35'	672.24	9.22	663.02
	5-16-23			9.89	662.35
	12-19-23			16.35	655.89
	4-1-24			10.00	662.24
	7-18-24			13.12	659.12
	1-23-25			13.32	658.92
	4-10-25			7.28	664.96
	7-16-25			9.22	663.02
	11-17-25			18.78	653.46
	4-21-26			15.44	656.80

ft. BTOC – feet Below Top of Casing

ft. MSL – feet Mean Sea Level

SUMMARY OF GROUNDWATER ELEVATION SURVEY DATA
DISCOUNT FOOD MART #110, JACKSONVILLE, ALABAMA

Well I.D.	Date	Screened Interval (ft. BTOC)	TOC Elevation (ft. MSL)	Depth to Water (ft. BTOC)	Groundwater Elevation (ft. MSL)
MW-3	1-26-23	20-25'	672.23	22.15	650.08
	5-16-23			13.37	658.86
	12-19-23			18.61	653.62
	4-1-24			13.94	658.29
	7-18-24			15.69	656.54
	1-23-25			17.30	654.93
	4-10-25			11.08	661.15
	7-16-25			11.83	660.40
	11-17-25			20.45	651.78
	4-21-26			16.22	656.01
MW-3A	1-26-23	30-40'	672.10	38.70	633.40
	5-16-23			33.10	639.00
	12-19-23			32.52	639.58
	4-1-24			34.38	637.72
	7-18-24			37.25	634.85
	1-23-25			35.64	636.46
	4-10-25			29.62	642.48
	7-16-25			27.25	644.85
	11-17-25			DRY	----
	4-21-26			33.64	638.46

ft. BTOC – feet Below Top of Casing

ft. MSL – feet Mean Sea Level

SUMMARY OF GROUNDWATER ELEVATION SURVEY DATA
DISCOUNT FOOD MART #110, JACKSONVILLE, ALABAMA

Well I.D.	Date	Screened Interval (ft. BTOC)	TOC Elevation (ft. MSL)	Depth to Water (ft. BTOC)	Groundwater Elevation (ft. MSL)
MW-4	1-26-23	20-25'	672.00	20.59	651.41
	5-16-23			15.74	656.26
	12-19-23			16.42	655.58
	4-1-24			12.60	659.40
	7-18-24			14.25	657.75
	1-23-25			15.31	656.69
	4-10-25			14.32	657.68
	7-16-25			12.10	659.90
	11-17-25			19.32	652.68
	4-21-26			17.14	654.86
MW-5	12-19-23	15-25'	672.16	18.80	653.36
	4-1-24			12.37	659.79
	7-18-24			15.67	656.49
	1-23-25			14.92	657.24
	4-10-25			7.53	664.63
	7-16-25			12.20	659.96
	11-17-25			19.85	652.31

ft BTOC– feet Below Top of Casing

ft. MSL – feet Mean Sea Level

SUMMARY OF GROUNDWATER ELEVATION SURVEY DATA
DISCOUNT FOOD MART #110, JACKSONVILLE, ALABAMA

Well I.D.	Date	Screened Interval (ft. BTOC)	TOC Elevation (ft. MSL)	Depth to Water (ft. BTOC)	Groundwater Elevation (ft. MSL)
MW-6	12-19-23	20-30'	671.71	DRY	----
	4-1-24			DRY	----
	7-18-24			28.44	643.27
	1-23-25			DRY	----
	4-10-25			DRY	----
	7-16-25			27.05	644.66
	11-17-25			DRY	---
MW-7	12-19-23	14-24'	671.12	DRY	----
	4-1-24			DRY	----
	7-18-24			23.70	647.42
	1-23-25			DRY	----
	4-10-25			DRY	----
	7-16-25			DRY	----
	11-17-25			DRY	----

ft.. BTOC – feet Below Top of Casing

ft. MSL – feet Mean Sea Level

SUMMARY OF GROUNDWATER ELEVATION SURVEY DATA
DISCOUNT FOOD MART #110, JACKSONVILLE, ALABAMA

Well I.D.	Date	Screened Interval (ft. BTOC)	TOC Elevation (ft. MSL)	Depth to Water (ft. BTOC)	Groundwater Elevation (ft. MSL)
MW-8	12-19-23	10-30'	672.42	DRY	----
	4-1-24			15.64	656.85
	7-18-24			21.57	650.85
	1-23-25			17.93	654.49
	4-10-25			16.22	656.20
	7-16-25			15.03	657.39
	11-17-25			23.58	648.84
	4-21-26			18.58	653.84
MW-9	12-19-23	10-30'	671.78	DRY	----
	4-1-24			22.03	649.75
	7-18-24			24.54	647.24
	1-23-25			19.55	652.23
	4-10-25			15.80	655.98
	7-16-25			15.92	655.86
	11-17-25			24.16	647.62

ft.. BTOC – feet Below Top of Casing
ft. MSL – feet Mean Sea Level

SUMMARY OF GROUNDWATER ELEVATION SURVEY DATA
DISCOUNT FOOD MART #110, JACKSONVILLE, ALABAMA

Well I.D.	Date	Screened Interval (ft. BTOC)	TOC Elevation (ft. MSL)	Depth to Water (ft. BTOC)	Groundwater Elevation (ft. MSL)
MW-10	12-19-23	20-30'	671.88	21.53	650.35
	4-1-24			10.40	661.48
	7-18-24			17.32	654.56
	1-23-25			13.07	658.81
	4-10-25			3.83	668.05
	7-16-25			10.75	661.13
	11-17-25			21.15	650.73
DW-1	12-19-23	47-52'	672.38	49.15	623.23
	4-1-24			42.38	630.00
	7-18-24			45.00	627.38
	1-23-25			45.54	626.84
	4-10-25			37.42	634.96
	7-16-25			35.84	636.54
	11-17-25			47.14	625.24
	4-21-26			42.50	629.88

ft.. BTOC – feet Below Top of Casing
ft. MSL – feet Mean Sea Level

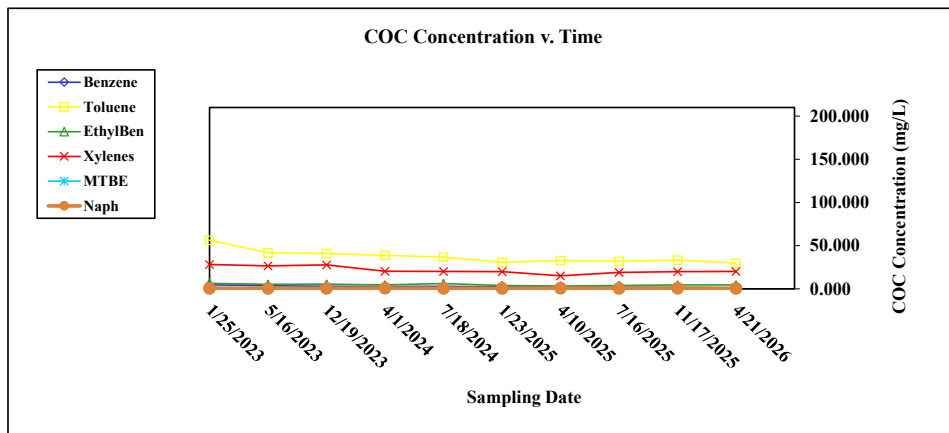
APPENDIX E – ANALYTICAL DATA TABLES

NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2026
Quarter: 5th
Reporting Period: Apr-26
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-1					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/25/2023	4.660	56.300	6.370	28.200	1.6000	0.687			
5/16/2023	3.660	41.800	5.180	26.51	0.958	0.55			
12/19/2023	2.940	40.800	5.470	27.85	0.76	0.601			
4/1/2024	2.610	38.700	4.610	20.28	0.629	0.794			
7/18/2024	2.800	36.800	6.110	20.16	0.967	0.717			
1/23/2025	2.250	30.700	3.870	19.86	0.666	0.676			
4/10/2025	2.120	32.900	3.260	15.09	0.641	0.856			
7/16/2025	1.780	31.900	3.890	18.98	0.406	0.695			
11/17/2025	1.630	33.300	4.500	19.99	0.523	0.802			
4/21/2026	1.150	29.800	4.430	20.13	0.301	0.684			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
		Well ID		MW-1					

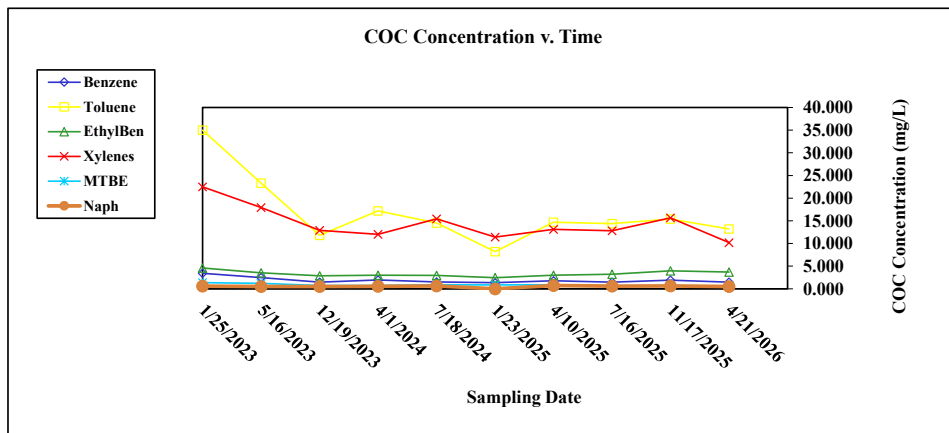


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2026
 Quarter: 5th
 Reporting Period: Apr-26
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-2					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/25/2023	3.430	35.000	4.600	22.500	1.3700	0.604			
5/16/2023	2.460	23.300	3.550	17.94	1.230	0.497			
12/19/2023	1.480	11.800	2.870	12.88	0.731	0.521			
4/1/2024	1.950	17.200	3.010	12.02	0.748	0.560			
7/18/2024	1.530	14.500	2.950	15.46	0.922	0.641			
1/23/2025	1.360	8.210	2.460	11.40	0.867	<0.50			
4/10/2025	1.790	14.700	3.000	13.12	0.915	0.736			
7/16/2025	1.480	14.400	3.210	12.82	0.663	0.599			
11/17/2025	1.910	15.400	3.980	15.68	0.6850	0.621			
4/21/2026	1.460	13.200	3.710	10.2	0.6150	0.496			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
		Well ID		MW-2					

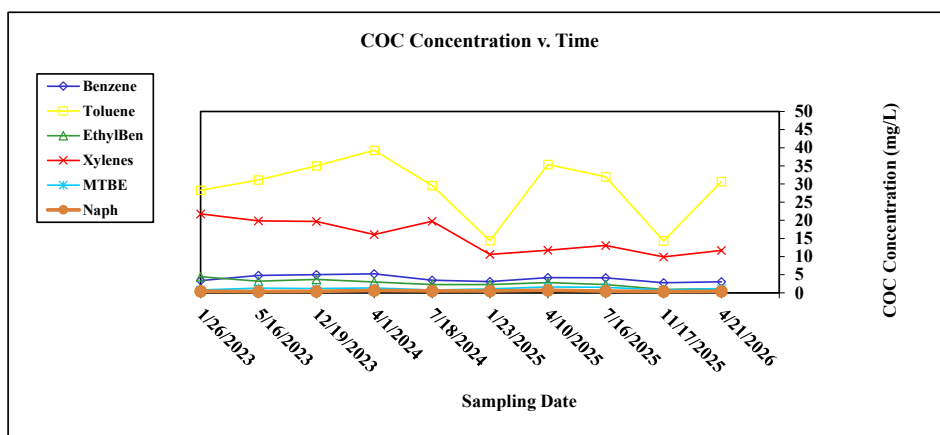


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2026
 Quarter: 5th
 Reporting Period: Apr-26
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-3					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/26/2023	3.35	28.3	4.44	21.77	0.803	0.445			
5/16/2023	4.78	31.1	3.22	19.87	1.32	0.386			
12/19/2023	5.03	35.0	3.68	19.70	1.17	0.445			
4/1/2024	5.24	39.3	2.99	16.05	1.34	0.652			
7/18/2024	3.46	29.6	2.28	19.76	0.776	0.545			
1/23/2025	3.08	14.4	2.26	10.59	1.1	0.551			
4/10/2025	4.21	35.4	2.84	11.76	1.63	0.715			
7/16/2025	4.16	32.0	2.26	13.04	1.51	0.453			
11/17/2025	2.78	14.3	0.93	9.91	0.779	0.344			
4/21/2026	3.07	30.7	1.14	11.72	1.21	0.422			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
		Well ID		MW-3					

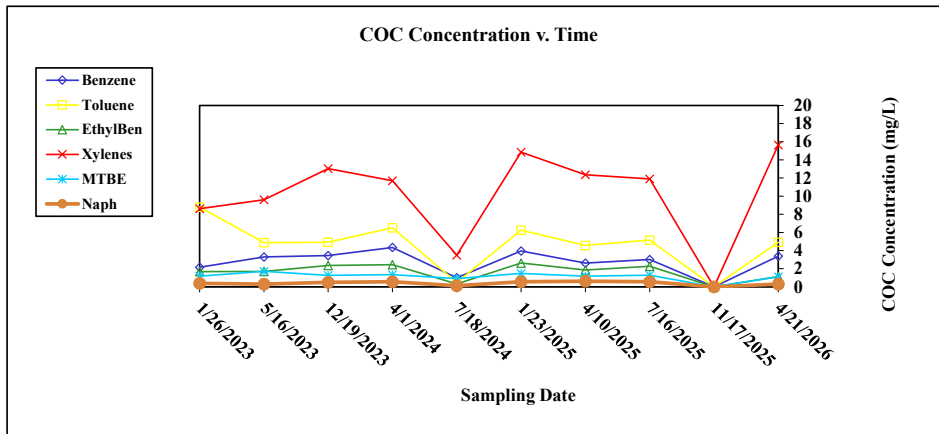


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2026
Quarter: 5th
Reporting Period: Apr-26
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-3A					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/26/2023	2.17	8.8	1.68	8.61	1.17	0.382			
5/16/2023	3.3	4.87	1.7	9.61	1.71	0.300			
12/19/2023	3.45	4.91	2.35	13.03	1.27	0.497			
4/1/2024	4.34	6.51	2.44	11.71	1.35	0.568			
7/18/2024	0.999	0.479	0.315	3.49	0.903	0.115			
1/23/2025	3.95	6.26	2.63	14.86	1.49	0.557			
4/10/2025	2.62	4.57	1.85	12.36	1.17	0.619			
7/16/2025	3.02	5.15	2.26	11.90	1.28	0.554			
11/17/2025	DRY	DRY	DRY	DRY	DRY	DRY			
4/21/2026	3.39	4.91	1.13	15.65	1.11	0.302			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
		Well ID		MW-3A					

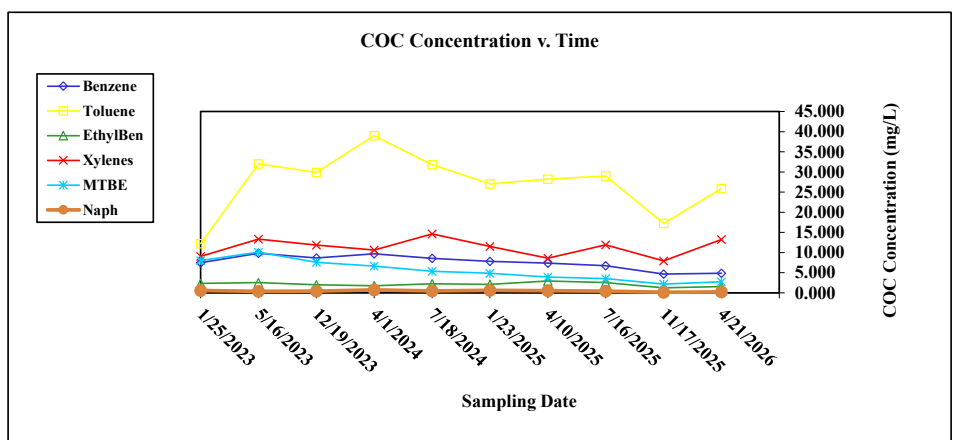


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2026
Quarter: 5th
Reporting Period: Apr-26
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-4					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/25/2023	7.450	12.20	2.33	9.07	8.03	0.560			
5/16/2023	9.82	32.00	2.54	13.33	10.10	0.383			
12/19/2023	8.63	29.90	1.99	11.83	7.56	0.446			
4/1/2024	9.70	39.00	1.76	10.63	6.64	0.722			
7/18/2024	8.54	31.80	2.25	14.62	5.36	0.464			
1/23/2025	7.82	27.00	2.09	11.49	4.86	0.641			
4/10/2025	7.37	28.20	2.94	8.60	3.94	0.516			
7/16/2025	6.72	29.00	2.53	11.91	3.51	0.408			
11/17/2025	4.66	17.20	1.24	7.93	2.17	0.148			
4/21/2026	4.84	25.90	1.54	13.24	2.72	0.248			
Tier 2 SSTLs	0.641	128.0	89.8	175	2.57	2.57			
		Well ID		MW-4					

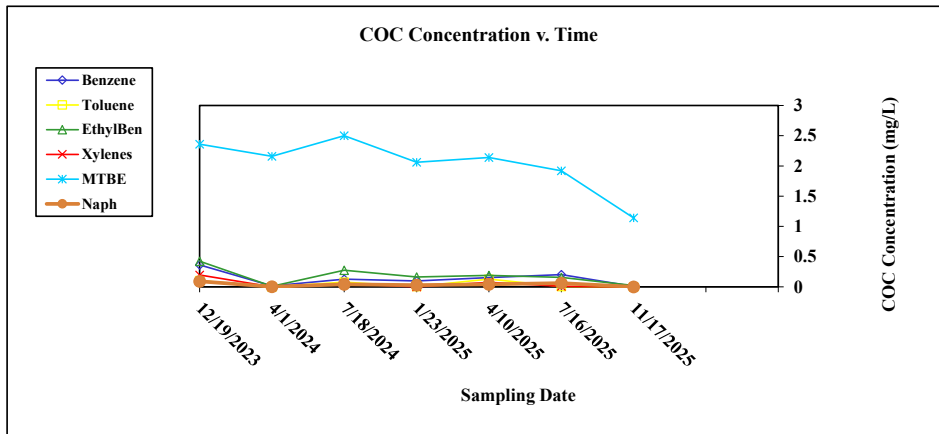


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2025
 Quarter: 4th
 Reporting Period: Nov-25
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-5					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	0.363	0.105	0.424	0.1963	2.36	0.0913			
4/1/2024	0.0145	<0.002	0.00927	<0.006	2.16	0.00325			
7/18/2024	0.127	0.079	0.275	0.0514	2.5	0.0422			
1/23/2025	0.0984	0.00638	0.163	<0.015	2.06	0.030			
4/10/2025	0.154	0.128	0.188	0.0752	2.14	0.0426			
7/16/2025	0.204	0.00485	0.155	0.0095	1.92	0.0616			
11/17/2025	0.00684	<0.002	0.0206	<0.006	1.14	<0.01			
Tier 2 SSTLs	0.562	112.0	787.0	175	2.25	2.25			
		Well ID		MW-5					

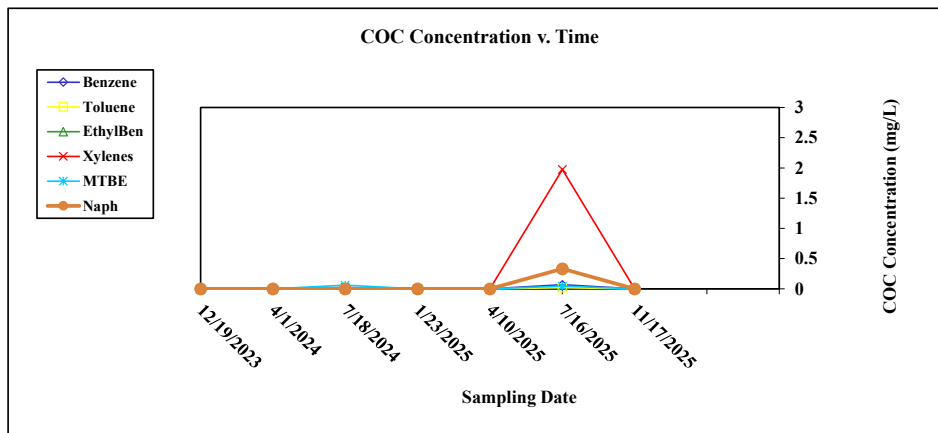


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2025
 Quarter: 4th
 Reporting Period: Nov-25
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-6					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY			
4/1/2024	DRY	DRY	DRY	DRY	DRY	DRY			
7/18/2024	<0.002	<0.002	<0.002	0.0217	0.0606	<0.01			
1/23/2025	DRY	DRY	DRY	DRY	DRY	DRY			
4/10/2025	DRY	DRY	DRY	DRY	DRY	DRY			
7/16/2025	0.0686	0.0188	0.336	1.974	0.0462	0.332			
11/17/2025	DRY	DRY	DRY	DRY	DRY	DRY			
Tier 2 SSTLs	0.269	53.7	37.6	175	1.07	1.07			
		Well ID		MW-6					

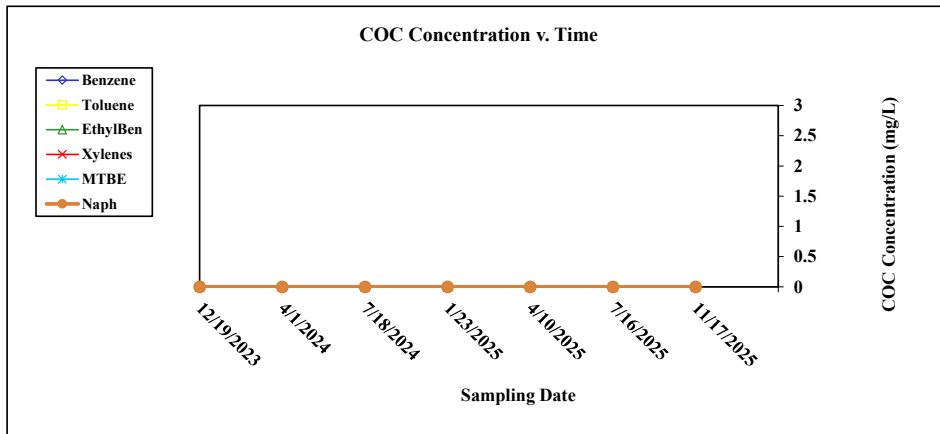


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2025
 Quarter: 4th
 Reporting Period: Nov-25
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)										
		Well ID		MW-7						
Historical Chemicals of Concern Data										
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph				
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY				
4/1/2024	DRY	DRY	DRY	DRY	DRY	DRY				
7/18/2024	<0.002	<0.002	<0.002	<0.006	<0.002	<0.010				
1/23/2025	DRY	DRY	DRY	DRY	DRY	DRY				
4/10/2025	DRY	DRY	DRY	DRY	DRY	DRY				
7/16/2025	DRY	DRY	DRY	DRY	DRY	DRY				
11/17/2025	DRY	DRY	DRY	DRY	DRY	DRY				
Tier 2 SSTLs	0.184	36.7	25.7	175	0.734	0.734				
		Well ID		MW-7						

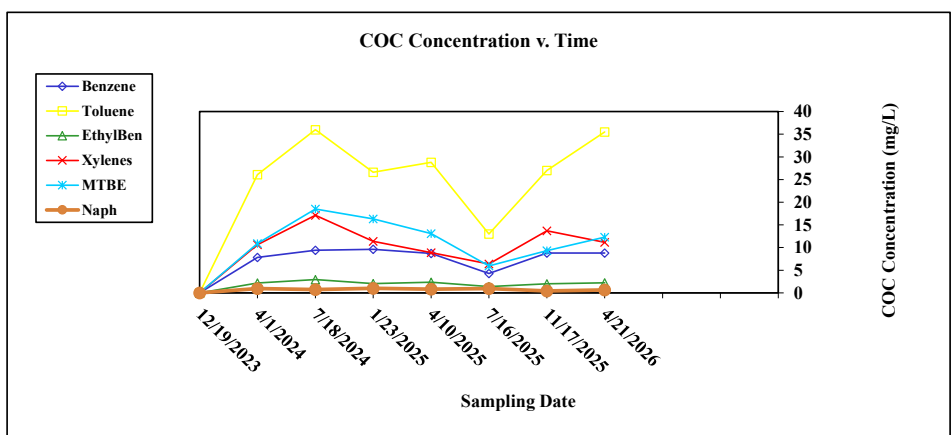


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2026
 Quarter: 5th
 Reporting Period: Apr-26
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
			Well ID		MW-8				
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY			
4/1/2024	7.81	26.1	2.19	10.61	10.90	0.949			
7/18/2024	9.39	36	2.94	17.12	18.50	0.743			
1/23/2025	9.61	26.6	2.04	11.37	16.30	1.01			
4/10/2025	8.71	28.8	2.37	8.88	13.10	0.819			
7/16/2025	4.30	13.0	1.41	6.38	5.96	0.953			
11/17/2025	8.80	27.0	2.00	13.68	9.33	0.424			
4/21/2026	8.81	35.5	2.22	11.17	12.3	0.64			
Tier 2 SSTs	0.906	181.0	127.0	175	3.62	3.62			
			Well ID		MW-8				

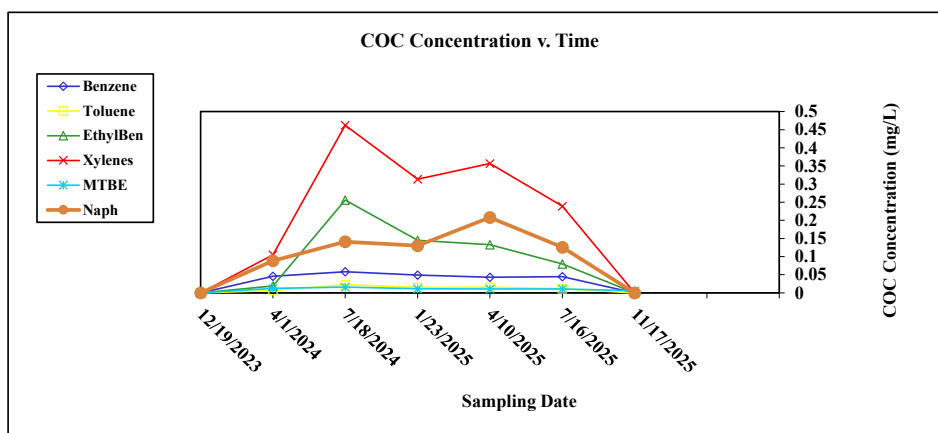


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2025
Quarter: 4th
Reporting Period: Nov-25
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)										
		Well ID		MW-9						
		Historical Chemicals of Concern Data								
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph				
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY				
4/1/2024	0.0456	0.00671	0.0191	0.1048	0.0124	0.0886				
7/18/2024	0.0583	0.0226	0.256	0.4622	0.016	0.141				
1/23/2025	0.0491	0.0154	0.145	0.3136	0.0115	0.130				
4/10/2025	0.043	0.0155	0.133	0.3566	0.0107	0.208				
7/16/2025	0.0445	0.0114	0.0796	0.2393	0.0107	0.126				
11/17/2025	<0.002	<0.002	<0.002	<0.006	0.00568	<0.01				
Tier 2 SSTLs	0.881	176.0	123.0	175	3.53	3.53				
		Well ID		MW-9						

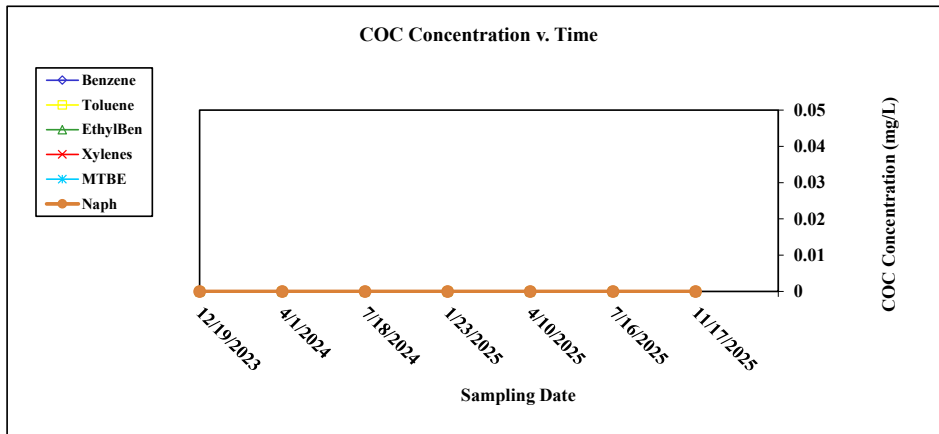


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2025
 Quarter: 4th
 Reporting Period: Nov-25
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)										
		Well ID		MW-10						
Historical Chemicals of Concern Data										
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph				
12/19/2023	<0.002	<0.002	<0.002	<0.006	<0.002	<0.002				
4/1/2024	<0.002	<0.002	<0.002	<0.006	<0.002	<0.002				
7/18/2024	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01				
1/23/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01				
4/10/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01				
7/16/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01				
11/17/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01				
Tier 2 SSTLs	0.393	78.7	55.1	175	1.57	1.57				
		Well ID		MW-10						

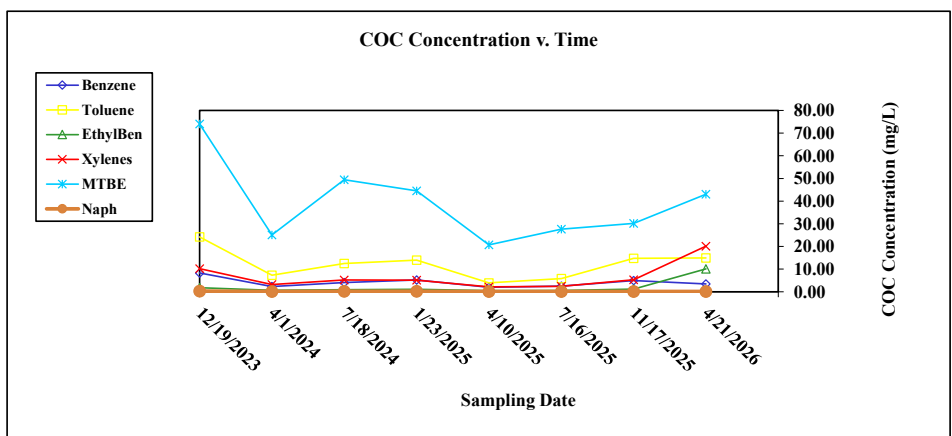


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2026
 Quarter: 5th
 Reporting Period: Apr-26
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
				Well ID	DW-1				
	Historical Chemicals of Concern Data								
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	8.30	24.20	1.800	10.23	74.00	0.321			
4/1/2024	2.31	7.32	0.632	3.21	25.10	0.153			
7/18/2024	4.05	12.50	0.882	5.21	49.40	0.181			
1/23/2025	5.25	14.00	1.09	5.10	44.50	0.206			
4/10/2025	1.99	3.94	0.510	2.17	20.70	0.101			
7/16/2025	2.52	5.81	0.554	2.413	27.60	0.110			
11/17/2025	4.96	14.80	1.16	5.31	30.20	0.173			
4/21/2026	3.42	14.90	10.10	20.13	43.00	0.174			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
				Well ID	DW-1				



APPENDIX H-PROPOSED MONITORING WELL LOCATION MAP

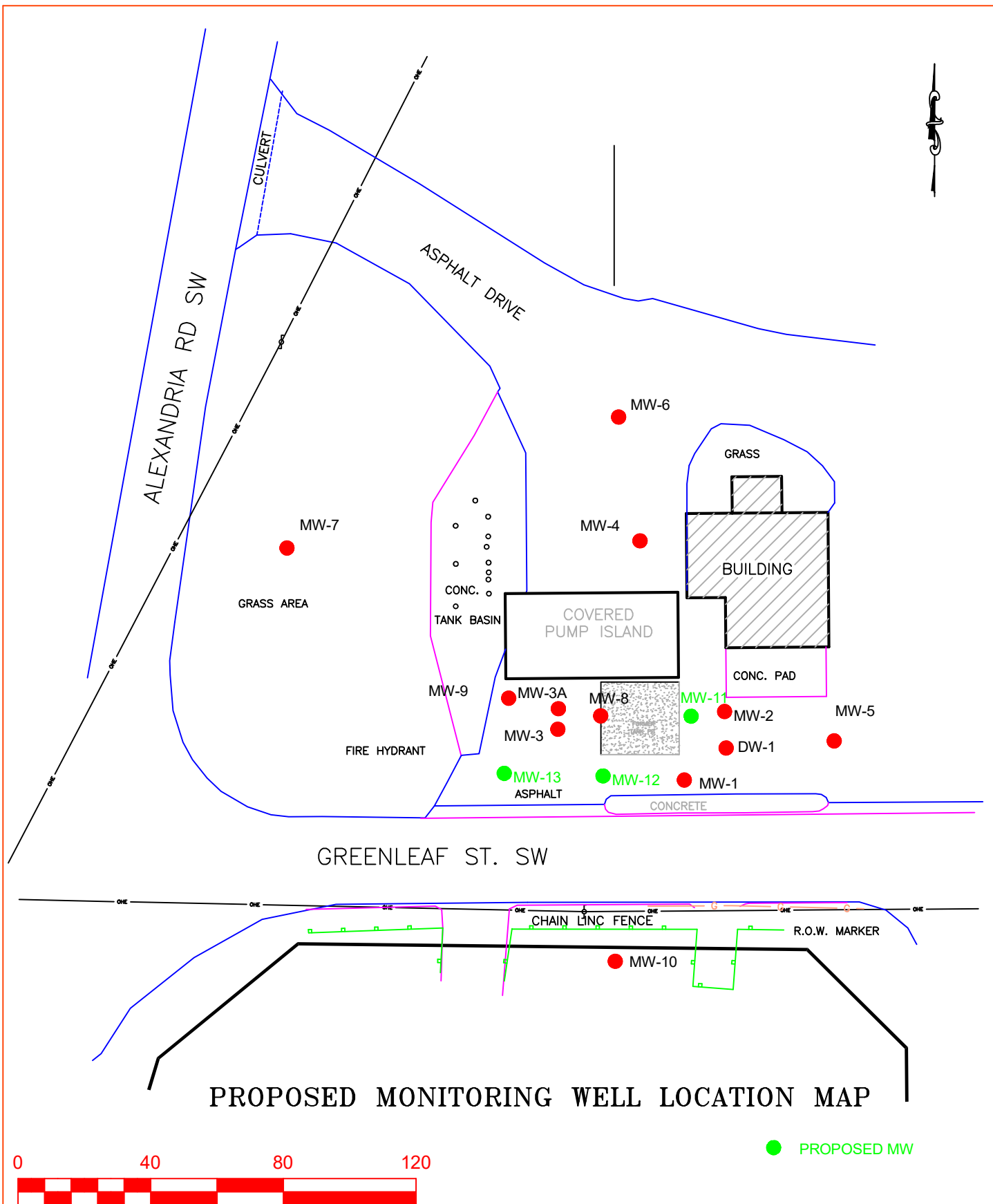


FIGURE 8



MID-SOUTH TESTING INC. 2220 BELTLINE ROAD SW, DECATUR ALABAMA, 35601

Sheet of	Title SITE MAP	Scale: 1" = 40'	Project No: 22-01-0333
	Project DISCOUNT FOOD MART #110	Date: 3 AUG 2024	Cad name: CALHOUNCOUNTY
		Drawn By: SMR	File: W-SROWE-23

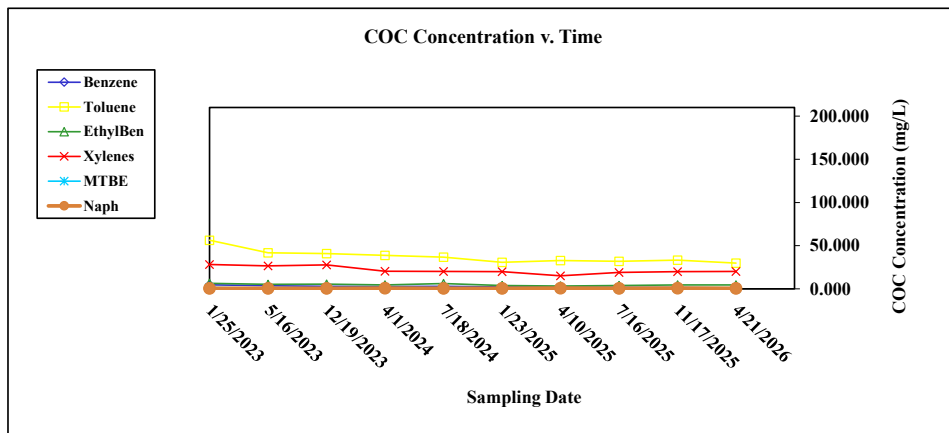
APPENDIX I-HISTORICAL GROUNDWATER MONITORING RESULTS

NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2026
Quarter: 5th
Reporting Period: Apr-26
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-1					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/25/2023	4.660	56.300	6.370	28.200	1.6000	0.687			
5/16/2023	3.660	41.800	5.180	26.51	0.958	0.55			
12/19/2023	2.940	40.800	5.470	27.85	0.76	0.601			
4/1/2024	2.610	38.700	4.610	20.28	0.629	0.794			
7/18/2024	2.800	36.800	6.110	20.16	0.967	0.717			
1/23/2025	2.250	30.700	3.870	19.86	0.666	0.676			
4/10/2025	2.120	32.900	3.260	15.09	0.641	0.856			
7/16/2025	1.780	31.900	3.890	18.98	0.406	0.695			
11/17/2025	1.630	33.300	4.500	19.99	0.523	0.802			
4/21/2026	1.150	29.800	4.430	20.13	0.301	0.684			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
		Well ID		MW-1					

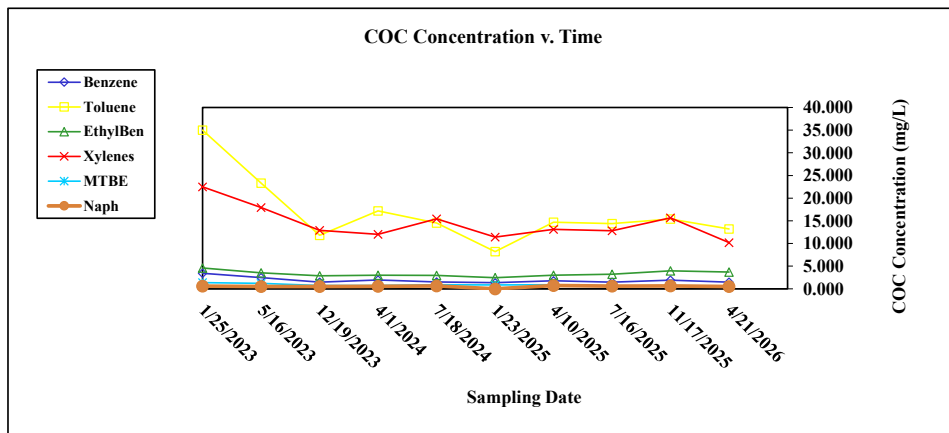


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2026
 Quarter: 5th
 Reporting Period: Apr-26
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-2					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/25/2023	3.430	35.000	4.600	22.500	1.3700	0.604			
5/16/2023	2.460	23.300	3.550	17.94	1.230	0.497			
12/19/2023	1.480	11.800	2.870	12.88	0.731	0.521			
4/1/2024	1.950	17.200	3.010	12.02	0.748	0.560			
7/18/2024	1.530	14.500	2.950	15.46	0.922	0.641			
1/23/2025	1.360	8.210	2.460	11.40	0.867	<0.50			
4/10/2025	1.790	14.700	3.000	13.12	0.915	0.736			
7/16/2025	1.480	14.400	3.210	12.82	0.663	0.599			
11/17/2025	1.910	15.400	3.980	15.68	0.6850	0.621			
4/21/2026	1.460	13.200	3.710	10.2	0.6150	0.496			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
		Well ID		MW-2					

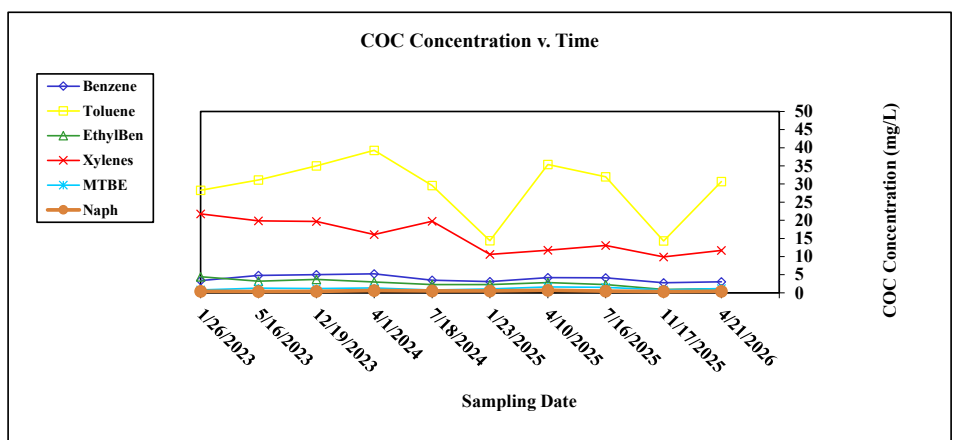


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2026
Quarter: 5th
Reporting Period: Apr-26
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
Well ID MW-3									
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/26/2023	3.35	28.3	4.44	21.77	0.803	0.445			
5/16/2023	4.78	31.1	3.22	19.87	1.32	0.386			
12/19/2023	5.03	35.0	3.68	19.70	1.17	0.445			
4/1/2024	5.24	39.3	2.99	16.05	1.34	0.652			
7/18/2024	3.46	29.6	2.28	19.76	0.776	0.545			
1/23/2025	3.08	14.4	2.26	10.59	1.1	0.551			
4/10/2025	4.21	35.4	2.84	11.76	1.63	0.715			
7/16/2025	4.16	32.0	2.26	13.04	1.51	0.453			
11/17/2025	2.78	14.3	0.93	9.91	0.779	0.344			
4/21/2026	3.07	30.7	1.14	11.72	1.21	0.422			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
Well ID MW-3									

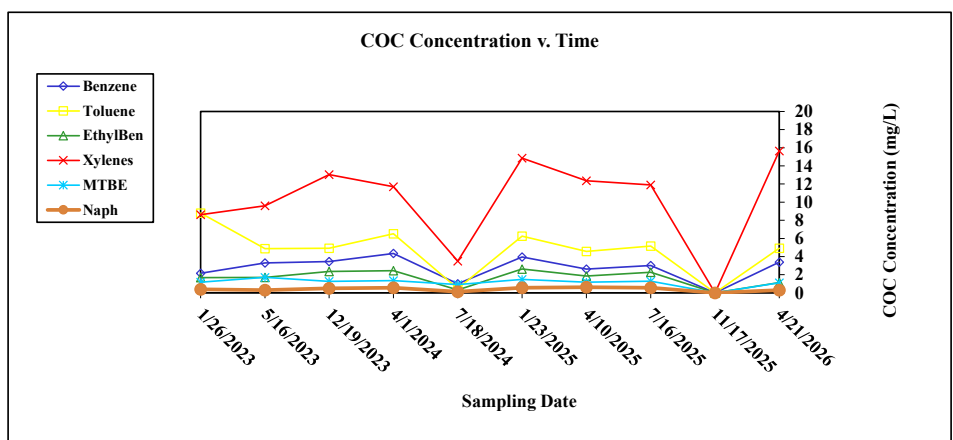


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2026
 Quarter: 5th
 Reporting Period: Apr-26
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-3A					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/26/2023	2.17	8.8	1.68	8.61	1.17	0.382			
5/16/2023	3.3	4.87	1.7	9.61	1.71	0.300			
12/19/2023	3.45	4.91	2.35	13.03	1.27	0.497			
4/1/2024	4.34	6.51	2.44	11.71	1.35	0.568			
7/18/2024	0.999	0.479	0.315	3.49	0.903	0.115			
1/23/2025	3.95	6.26	2.63	14.86	1.49	0.557			
4/10/2025	2.62	4.57	1.85	12.36	1.17	0.619			
7/16/2025	3.02	5.15	2.26	11.90	1.28	0.554			
11/17/2025	DRY	DRY	DRY	DRY	DRY	DRY			
4/21/2026	3.39	4.91	1.13	15.65	1.11	0.302			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
		Well ID		MW-3A					

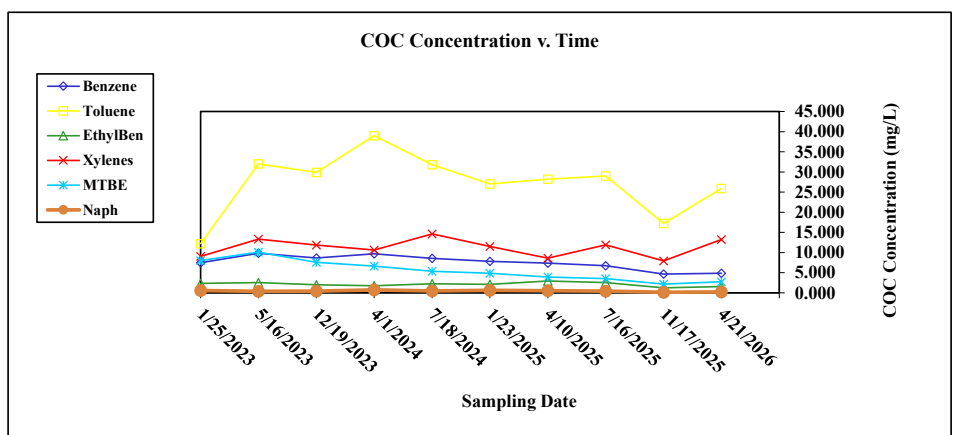


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2026
Quarter: 5th
Reporting Period: Apr-26
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-4					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
1/25/2023	7.450	12.20	2.33	9.07	8.03	0.560			
5/16/2023	9.82	32.00	2.54	13.33	10.10	0.383			
12/19/2023	8.63	29.90	1.99	11.83	7.56	0.446			
4/1/2024	9.70	39.00	1.76	10.63	6.64	0.722			
7/18/2024	8.54	31.80	2.25	14.62	5.36	0.464			
1/23/2025	7.82	27.00	2.09	11.49	4.86	0.641			
4/10/2025	7.37	28.20	2.94	8.60	3.94	0.516			
7/16/2025	6.72	29.00	2.53	11.91	3.51	0.408			
11/17/2025	4.66	17.20	1.24	7.93	2.17	0.148			
4/21/2026	4.84	25.90	1.54	13.24	2.72	0.248			
Tier 2 SSTLs	0.641	128.0	89.8	175	2.57	2.57			
		Well ID		MW-4					

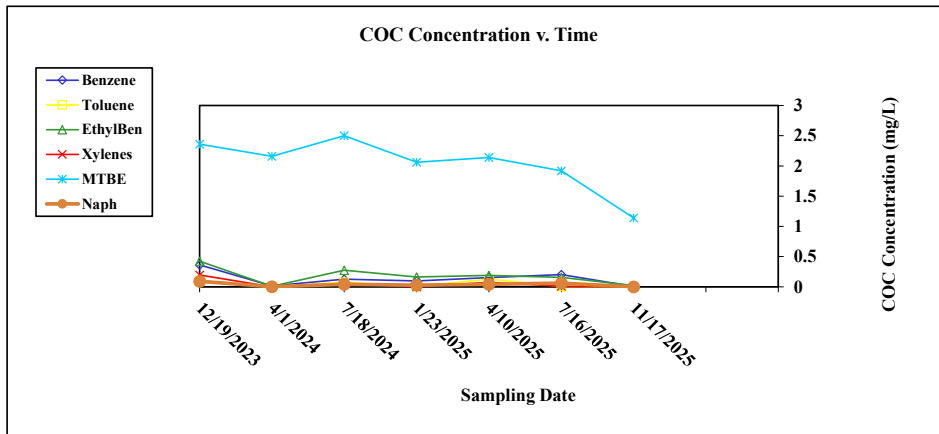


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2025
Quarter: 4th
Reporting Period: Nov-25
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-5					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	0.363	0.105	0.424	0.1963	2.36	0.0913			
4/1/2024	0.0145	<0.002	0.00927	<0.006	2.16	0.00325			
7/18/2024	0.127	0.079	0.275	0.0514	2.5	0.0422			
1/23/2025	0.0984	0.00638	0.163	<0.015	2.06	0.030			
4/10/2025	0.154	0.128	0.188	0.0752	2.14	0.0426			
7/16/2025	0.204	0.00485	0.155	0.0095	1.92	0.0616			
11/17/2025	0.00684	<0.002	0.0206	<0.006	1.14	<0.01			
Tier 2 SSTLs	0.562	112.0	787.0	175	2.25	2.25			
		Well ID		MW-5					

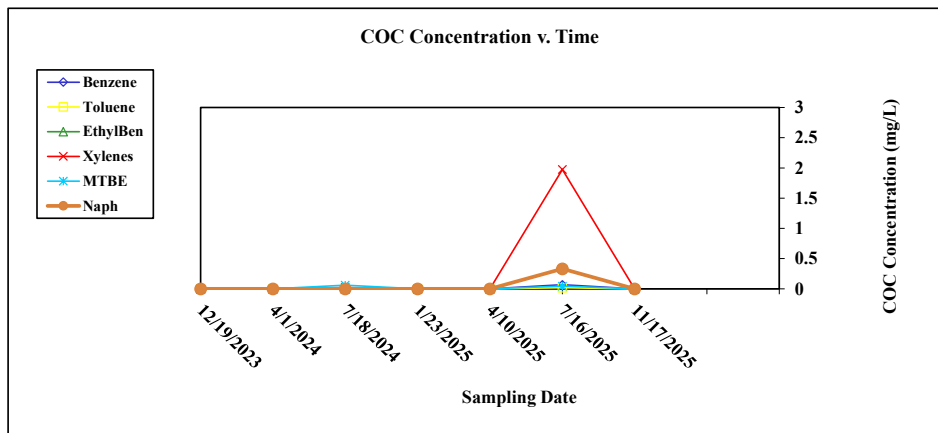


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2025
 Quarter: 4th
 Reporting Period: Nov-25
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-6					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY			
4/1/2024	DRY	DRY	DRY	DRY	DRY	DRY			
7/18/2024	<0.002	<0.002	<0.002	0.0217	0.0606	<0.01			
1/23/2025	DRY	DRY	DRY	DRY	DRY	DRY			
4/10/2025	DRY	DRY	DRY	DRY	DRY	DRY			
7/16/2025	0.0686	0.0188	0.336	1.974	0.0462	0.332			
11/17/2025	DRY	DRY	DRY	DRY	DRY	DRY			
Tier 2 SSTLs	0.269	53.7	37.6	175	1.07	1.07			
		Well ID		MW-6					

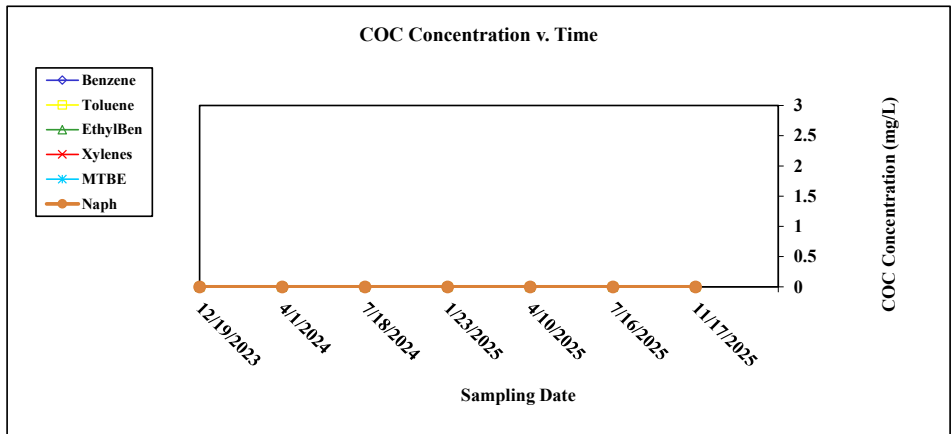


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2025
 Quarter: 4th
 Reporting Period: Nov-25
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-7					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY			
4/1/2024	DRY	DRY	DRY	DRY	DRY	DRY			
7/18/2024	<0.002	<0.002	<0.002	<0.006	<0.002	<0.010			
1/23/2025	DRY	DRY	DRY	DRY	DRY	DRY			
4/10/2025	DRY	DRY	DRY	DRY	DRY	DRY			
7/16/2025	DRY	DRY	DRY	DRY	DRY	DRY			
11/17/2025	DRY	DRY	DRY	DRY	DRY	DRY			
Tier 2 SSTLs	0.184	36.7	25.7	175	0.734	0.734			
		Well ID		MW-7					

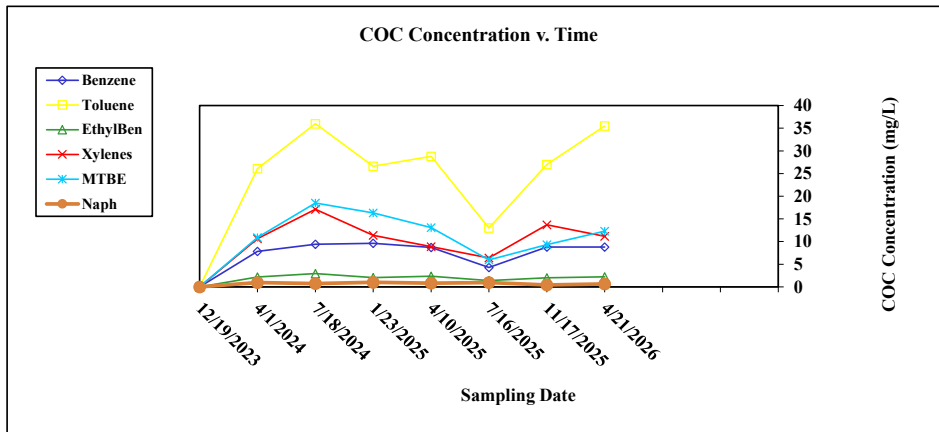


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
 Facility I. D. No.: 15282-015-00345
 Incident No.: UST09-05-04
 Consulting Firm: Mid-South Testing, Inc.

Year: 2026
 Quarter: 5th
 Reporting Period: Apr-26
 Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
				Well ID MW-8					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY			
4/1/2024	7.81	26.1	2.19	10.61	10.90	0.949			
7/18/2024	9.39	36	2.94	17.12	18.50	0.743			
1/23/2025	9.61	26.6	2.04	11.37	16.30	1.01			
4/10/2025	8.71	28.8	2.37	8.88	13.10	0.819			
7/16/2025	4.30	13.0	1.41	6.38	5.96	0.953			
11/17/2025	8.80	27.0	2.00	13.68	9.33	0.424			
4/21/2026	8.81	35.5	2.22	11.17	12.3	0.64			
Tier 2 SSTs	0.906	181.0	127.0	175	3.62	3.62			
				Well ID MW-8					

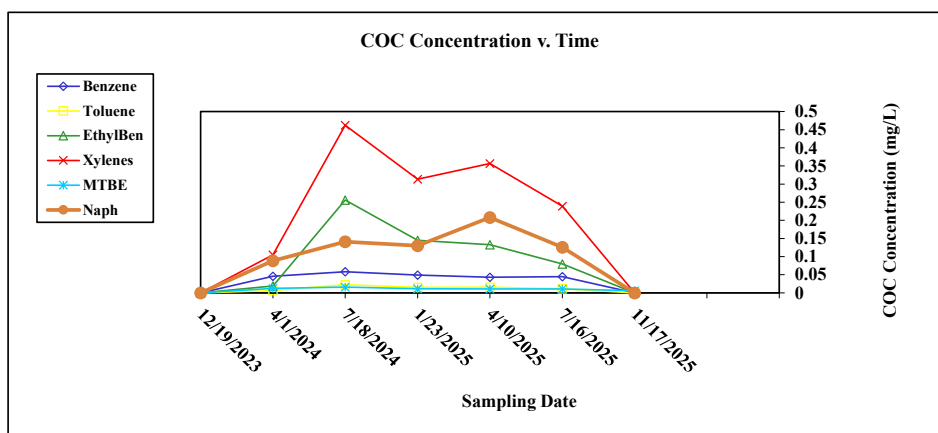


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
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Year: 2025
Quarter: 4th
Reporting Period: Nov-25
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)										
		Well ID		MW-9						
		Historical Chemicals of Concern Data								
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph				
12/19/2023	DRY	DRY	DRY	DRY	DRY	DRY				
4/1/2024	0.0456	0.00671	0.0191	0.1048	0.0124	0.0886				
7/18/2024	0.0583	0.0226	0.256	0.4622	0.016	0.141				
1/23/2025	0.0491	0.0154	0.145	0.3136	0.0115	0.130				
4/10/2025	0.043	0.0155	0.133	0.3566	0.0107	0.208				
7/16/2025	0.0445	0.0114	0.0796	0.2393	0.0107	0.126				
11/17/2025	<0.002	<0.002	<0.002	<0.006	0.00568	<0.01				
Tier 2 SSTLs	0.881	176.0	123.0	175	3.53	3.53				
		Well ID		MW-9						

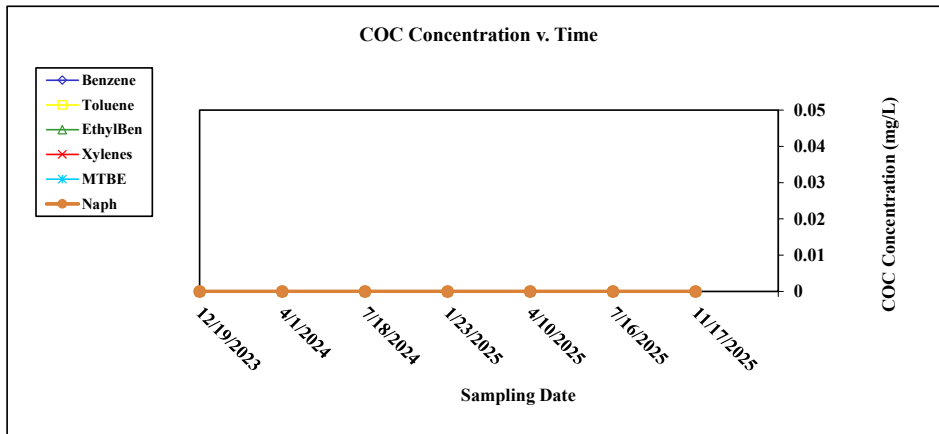


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
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Year: 2025
Quarter: 4th
Reporting Period: Nov-25
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
		Well ID		MW-10					
Historical Chemicals of Concern Data									
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	<0.002	<0.002	<0.002	<0.006	<0.002	<0.002			
4/1/2024	<0.002	<0.002	<0.002	<0.006	<0.002	<0.002			
7/18/2024	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01			
1/23/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01			
4/10/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01			
7/16/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01			
11/17/2025	<0.002	<0.002	<0.002	<0.006	<0.002	<0.01			
Tier 2 SSTLs	0.393	78.7	55.1	175	1.57	1.57			
		Well ID		MW-10					

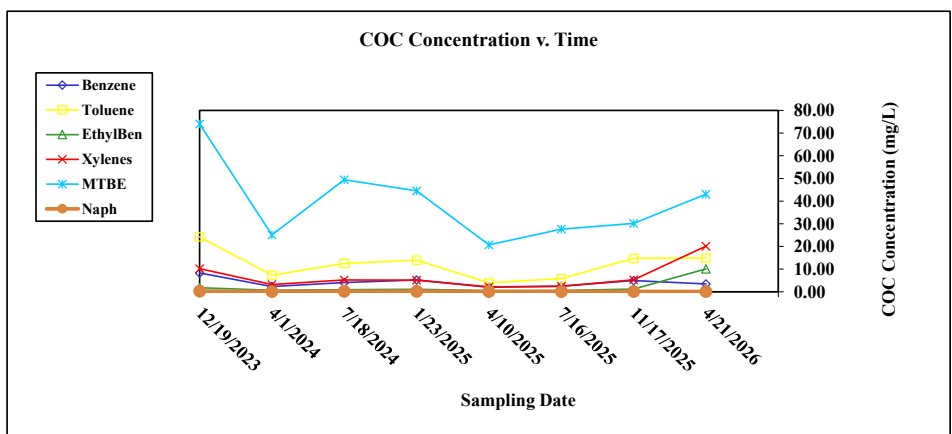


NATURAL ATTENUATION MONITORING REPORT

Facility Name: Discount Food Mart #110
Facility I. D. No.: 15282-015-00345
Incident No.: UST09-05-04
Consulting Firm: Mid-South Testing, Inc.

Year: 2026
Quarter: 5th
Reporting Period: Apr-26
Project Manager: SH

Section 6 - Historical Monitoring Well Chemicals of Concern Data (mg/l)									
				Well ID	DW-1				
	Historical Chemicals of Concern Data								
DATE	Benzene	Toluene	EthylBen	Xylenes	MTBE	Naph			
12/19/2023	8.30	24.20	1.800	10.23	74.00	0.321			
4/1/2024	2.31	7.32	0.632	3.21	25.10	0.153			
7/18/2024	4.05	12.50	0.882	5.21	49.40	0.181			
1/23/2025	5.25	14.00	1.09	5.10	44.50	0.206			
4/10/2025	1.99	3.94	0.510	2.17	20.70	0.101			
7/16/2025	2.52	5.81	0.554	2.413	27.60	0.110			
11/17/2025	4.96	14.80	1.16	5.31	30.20	0.173			
4/21/2026	3.42	14.90	10.10	20.13	43.00	0.174			
Tier 2 SSTLs	0.906	181.0	127.0	175	3.62	3.62			
				Well ID	DW-1				



APPENDIX J-HEALTH AND SAFETY PLAN

SITE HEALTH AND SAFETY PLAN

DISCOUNT FOOD MART

I. OBJECTIVE

This Health and Safety Plan has been developed to protect employees from safety hazards that may be encountered during the injection of SURFAC and ISCO-EFR into the subsurface at the Discount Food Mart site. This plan is intended to ensure that:

- A. Employees who perform work at the site are aware of their responsibilities and know how to perform the work safely.
- B. Mid-South Testing has appointed one or more individuals within the company to assure compliance with the requirements of this plan.
- C. The responsibilities of the Project Manager and workers are clearly detailed.
- D. All people involved in the site work have received appropriate training in the safe work practices that must be followed when performing this type of work.

II. EMERGENCY AGENCIES

Name of Hospital – Jacksonville Medical Center
(2.0 miles from site) 1701 Pelham Road S
Jacksonville, AL 36265
(256) 435-4970

Fire Department/Police Department/Ambulance	911
Center for Disease Control and Prevention	800-232-4636
Chemtrec (24-Hr Emergency Spill)	800-424-9300
Poison Control Center	800-222-1222

Directions from site to hospital: Approximate travel time – 5 minutes under normal traffic conditions

Exit the parking lot toward Greenleaf St SW
Turn left onto Greenleaf St SW
Turn right onto AL-21 S, drive past the Huddle House on the right (~1.4 miles)
Turn right onto Henry Rd SW
Turn left into hospital parking lot, destination is on the right

III. ASSIGNMENT OF RESPONSIBILITY

A. Employer

In administering the Site Health and Safety Plan, Mid-South Testing will:

1. Monitor the overall effectiveness of the plan.
2. Provide atmospheric testing and equipment selection as needed.
3. Provide personal protective equipment as needed.
4. Provide protective systems as needed.
5. Provide training to affected employees and supervisors.
6. Provide technical assistance as needed.

B. Plan Manager

The Project Manager acts as the competent person for Mid-South Testing in reference to this plan, and must assure that:

1. The procedures described in this plan are followed.
2. Employees entering the site are properly trained and equipped to perform their duties safely.
3. All required inspections, tests, and record keeping functions have been performed.

C. Employees

All employees, including contractor personnel, who work in or around the site, must comply with the requirements of this plan. Employees are responsible for reporting hazardous practices or situations to Mid-South Testing management, as well as reporting incidents that cause injury to themselves or other employees to the Project Manager.

Any employee who observes an unsafe condition has the authority and responsibility to stop work and immediately notify the Project Manager or Site Safety Officer. Work shall not resume until the unsafe condition has been corrected.

IV. TRAINING

A. Training Schedule

1. The Project Manager shall train all personnel involved in work at the site in the requirements of this plan with assistance from the appropriate supervisors.
2. Training shall be performed before employees are assigned duties in site work.
3. Retraining will be performed when work site inspections indicate that an employee does not have the necessary knowledge or skills to safely work in or around the job, or when changes to this program are made.

V. HAZARD ASSESSMENT

Potential hazards associated with site activities may include physical, vehicular, or chemical. Each potential site hazard is discussed below, along with appropriate steps to manage each hazard.

A. Physical Hazards

Heat Stress – If site temperatures are forecast to exceed 85 degrees Fahrenheit and physically demanding site work will occur in impermeable clothing, the site safety officer will manage personnel to ensure that heat stress does not affect workers.

- Heat cramps – are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include muscle spasms and pain in the hands, feet, and abdomen. Persons experiencing these symptoms should rest in a cooler area, drink cool (not cold) liquids, and gently massage cramped muscles.
- Heat exhaustion – occurs from increased stress on various body organs including inadequate blood circulation due to cardiovascular insufficiency or dehydration. Signs and symptoms include: pale, cool, moist skin, heavy sweating, dizziness, nausea, and fainting. Persons experiencing these symptoms should lie down in a cooler area, drink cool liquids with electrolytes (i.e. Gatorade), remove any protective clothing, and cool body with wet compresses at forehead, back, and neck or armpits.
- Heat stroke – is the most serious form of heat stress when temperature regulation fails and the body temperature rises to critical levels. Immediate action is needed to cool the body before serious injury and death occurs. Seek immediate medical help for heat stroke. Signs and symptoms are: red, hot unusually dry skin, lack of/or reduced perspiration, nausea, dizziness, confusion, strong, rapid pulse, and coma.

Slip/Trip/fall hazard – Surfaces covered with undergrowth, heavy vegetation, loose or wet soil, or uneven ground create a slip/trip/fall hazard. Be alert and observe terrain when walking to minimize slips and falls.

Electrical hazard due to lightning activity – Abandon site activities and seek shelter when lightning is observed within approximately three miles of the site or when thunder is heard following a lightning flash within 15 seconds.

Rotating equipment hazard – physical hazards from operation and repair of rotating equipment needs to follow the Lockout/Tag out safety protocol.

Blowing dust and debris – Use barriers to protect against wind and blowing debris, or leave the site until safe working conditions have returned.

B. Vehicular Hazards

Uneven or unsafe surfaces for vehicles – Vehicles driven on uneven or unsafe surfaces can result in accidents such as overturned vehicles or flat tires. Ensure all maintenance is performed on vehicles before going to the site. Always wear safety belts while in a moving vehicle. Keep vehicles on roads or gravel paths whenever possible. Perform site surveillance on foot to choose clear driving paths when traveling off regular roadways.

Cell phone usage while operating a motor vehicle is strongly discouraged, and texting while driving is prohibited.

C. Chemical Hazards

Volatile Organic Compounds (VOCs) are a broad group of materials that have the ability to vaporize with an increase in ambient temperature, and are known or suspected carcinogens.

- Benzene – a colorless, flammable liquid with a sweet odor, makes up 0.62% to 1% of gasoline and is a known carcinogen. Benzene causes damage through inhalation, skin absorption, ingestion, and direct contact. Exposure symptoms range from drowsiness, dizziness, and headaches to rapid heart rate, leukemia (long term) and death (large dose)
- Toluene – a colorless, flammable liquid with a paint thinner like odor. Toluene causes damage through inhalation, skin absorption, ingestion, and direct contact. Exposure symptoms range from eye and nose irritation, headaches, dilated pupils to dermatitis, and liver/kidney damage.
- Ethyl benzene – a colorless, flammable liquid with aromatic odor that is considered a potential human carcinogen. Ethyl benzene causes damage through inhalation, skin/eye contact and ingestion. Exposure symptoms range from eye irritation, headaches, and dermatitis to narcosis and coma.
- Xylenes – a colorless, flammable sweet balsam like odor. Xylenes cause damage through inhalation, skin absorption, ingestion, and skin/eye contact. Exposure symptoms range from incoordination, nausea, dizziness, to abdominal pain and dermatitis.
- MTBE – a colorless, flammable liquid with an ether like odor that is considered a potential human carcinogen. MTBE causes damage through inhalation, skin/eye contact, and ingestion. Exposure symptoms range from nausea, eye membrane irritation, to coma, respiratory failure and death.
- Naphthalene – a colorless, combustible liquid with an odor of mothballs. Naphthalene causes damage through inhalation, skin/eye contact, and ingestion. Exposure symptoms range from eye irritation, headache, vomiting, bladder infection, to jaundice, renal failure, and optic/cornea damage.
- Klorox – strong oxidizer requires chemical splash goggles, face shields, NIOSH approved dust/mist respirators, chemically compatible protective clothing (neoprene or PVC) and chemical resistant boots. Eye Contact – immediately flush with cool, running water for at least 15 minutes. Skin contact – flush skin with plenty of soap and water remove and launder contaminated clothing. Inhalation – Move to fresh air. Ingestion – Do Not induce vomiting. Drink plenty of water and seek immediate medical attention. Oxidizing materials shall be stored and handled in accordance with the manufacturer's SDS. Oxidizers shall be kept separate from combustible materials, fuels, oils, grease, and incompatible chemicals.
- Eco Green – it behaves as a concentrated industrial detergent and causes direct topical irritation to the outer tissues of the body so wear chemical safety glasses or goggles, chemical protective gloves (nitrile or rubber) and aprons or coveralls to prevent skin contact. Eye Contact – immediately flush with cool, running water for at least 15 minutes. Skin contact – flush skin with plenty of soap and water

remove and launder contaminated clothing. Inhalation – Move to fresh air. Ingestion – Do Not induce vomiting. Drink plenty of water and seek immediate medical attention.

Hazardous Substance	Target Organ	Chemical ID#	Guide #	Potential Health Effects	Monitoring
Benzene	Respiratory	1114	130	Headache, nausea	IDLH 500 ppm
Toluene	Respiratory	1294	130	Dizziness, headache	IDLH 500 ppm
Ethyl benzene	Respiratory	1175	130	Eye Irritant	IDLH 800 ppm
Xylenes	Respiratory	1307	130	Dizziness, drowsiness	IDLH 900 ppm
MTBE	Respiratory	2398	127	Dizziness	None Listed
Naphthalene	Respiratory	1334	133	Nausea, headache	IDLH 250 ppm
Klozur One (Sodium Persulfate Base)	Respiratory	1505	140	Allergic asthma, wheezing	TWA 0.1 mg/m ³
EcoGreen	Eyes and Skin	NA	NA	Skin irritation, corneal damage	Check for red patches or dryness on hands, wrists, and forearms at end of each shift

VI. ACCIDENT INVESTIGATIONS

All incidents that result in injury to workers, as well as near misses, regardless of their nature, shall be reported and investigated. The Project Manager with Company Safety Director shall conduct investigations as soon after an incident as possible to identify the cause and means of prevention to eliminate the risk of reoccurrence.

In the event of such an incident, the Site Health and Safety Plan shall be reevaluated, by the Project Manager with the Company Safety Director, to determine if additional practices, procedures, or training are necessary to prevent similar future incidents.

VII. EMERGENCY RESPONSE

Fire: In the event of a fire, the local fire fighting authorities will be notified. If it is safe to do so, an employee may use a dry chemical, CO₂, or AFFF Foam fire extinguisher. The fire extinguisher will be located on site at all times.

Spills: The emergency coordinator or site supervisor will determine if an apparent threat exists to the population or environment and will contact HAZMAT if deemed necessary. If risks are not present, the spill will be contained and remediated. The emergency coordinator or site supervisor will notify all local, State, and Federal Emergency Response Authorities.

VIII. REQUIREMENTS

Before personnel begin work, the anticipated duration of the work period shall be established. The length of the work period is limited by weather conditions at the site, the task(s) performed, and the personal needs of workers. The following must be adhered to at the site:

- a. No smoking
- b. No horse play
- c. No matches or lighters
- d. Wear the appropriate Personal Protective Equipment (PPE)

IX. Personal Protective Equipment

All personnel must wear PPE appropriate for their activities. Selection of the level of protection is based upon the following:

- Type and measured concentration of the chemical substance in the ambient atmosphere and its toxicity
- Potential for exposure to substances in air, liquids, or other direct contact with material due to work being done
- Knowledge of chemicals on-site along with properties such as toxicity, route of exposure, and contaminant matrix

Required PPE:

1. Long pants or coveralls and sleeved shirt (long or short)
2. Steel-toed boots
3. Safety glasses or sunglasses
4. Chemical resistant latex or nitrile gloves
5. ANSI high-visibility safety vest
6. Respiratory protection shall be worn when required by the applicable Safety Data Sheets (SDS), air monitoring results, or direction of the Site Safety Officer. Respirator use shall comply with the company's Respiratory Protection Program and OSHA 29 CFR 1910.134 requirements.

X. Site Control and Emergency Contacts

Position	Name	Phone
Project Manager		
Site Safety Officer		
Client Representative		
Emergency Coordinator		

XI. Tailgate Meeting

A daily tailgate safety meeting shall be conducted before the start of field activities to review planned work, site hazards, weather conditions, emergency procedures, required PPE, and any changes in site conditions.