

August 15, 2022

State of Florida, Department of Transportation
Chris Wilson, Hazardous Materials Project Manager
District 7, Planning and Environmental Management Office, M.S. 7-500
11201 North McKinley Drive
Tampa, Florida 33612-6456

Reference: District Wide Contamination Assessment, Remediation and Environmental Support Services

Contract No. : BEB42
Financial Project I.D. : 439448-1-C2-01
County : Hernando

Subject: Level III Summary of Activities Report
Monitor Well Abandonment
US 98 & Citrus Way Boulevard - Des Champs Corner
15738 Ponce DeLeon Boulevard
Brooksville, Hernando County, Florida
HCR Project No. 129882.01.29

At the request of the Florida Department of Transportation (FDOT), Handex Consulting & Remediation, LLC (Consultant) has prepared this Level III Summary of Activities Report for services performed within the scope of the above-referenced contract. The Letter of Authorization (LOA) 19 is included as **Appendix A**.

Introduction

On July 15, 2022, the Consultant was contacted by the FDOT to provide Level III Construction Support Services to abandon one (1) monitor well at the Des Champs Corner site. The monitor well has been identified as MW-3. The monitor well required abandonment prior to the roadway construction activities being conducted. The Consultant subsequently submitted a work plan cost proposal (WPCP) to abandon the monitor well. A Site Vicinity Map showing the approximate location of the project is provided as **Figure 1** and a Site Map is provided on **Figure 2**.

Summary of Activities

On August 5, 2022, the Consultant oversaw the abandonment of one (1) monitor well, identified as MW-3, which was in the FDOT right-of-way (ROW). Based on the available information reviewed, monitor well MW-3 is reportedly 2-inches in diameter by 130 feet in depth. The monitor well was abandoned using Portland cement Type I/II grout using the tremie pipe method in accordance with the Southwest Florida Water Management District (SWFWMD). The concrete pad and steel manholes were removed and properly disposed.

Appendix B includes copies of the well abandonment completion report. **Appendix C** includes a site map showing the monitor well location and a copy of the groundwater elevation table from a previous report prepared by others. **Appendix D** includes field notes and site photographs.

Conclusions and Recommendations

Based on the aforementioned information, a total of 130 feet of 2-inch diameter polyvinyl chloride (PVC) pipe was grouted to the surface. The concrete pad and steel manhole were properly disposed. The required well abandonment was completed prior to roadway construction activities. The project has been completed.

We appreciate the opportunity to provide environmental services to the FDOT. If you have any questions, please contact Jerry Reeves at (813) 302-7944 or jreeves@handexmial.com, or Christian Holmstrom at (813) 906-2972 or cholmstrom@handexmail.com.

Sincerely,
HANDEX CONSULTING & REMEDIATION, LLC

Respectfully,



Jerry Reeves, LEP #405
Project Manager



Christian Holmstrom, P.E.
Contract Manager

FIGURES

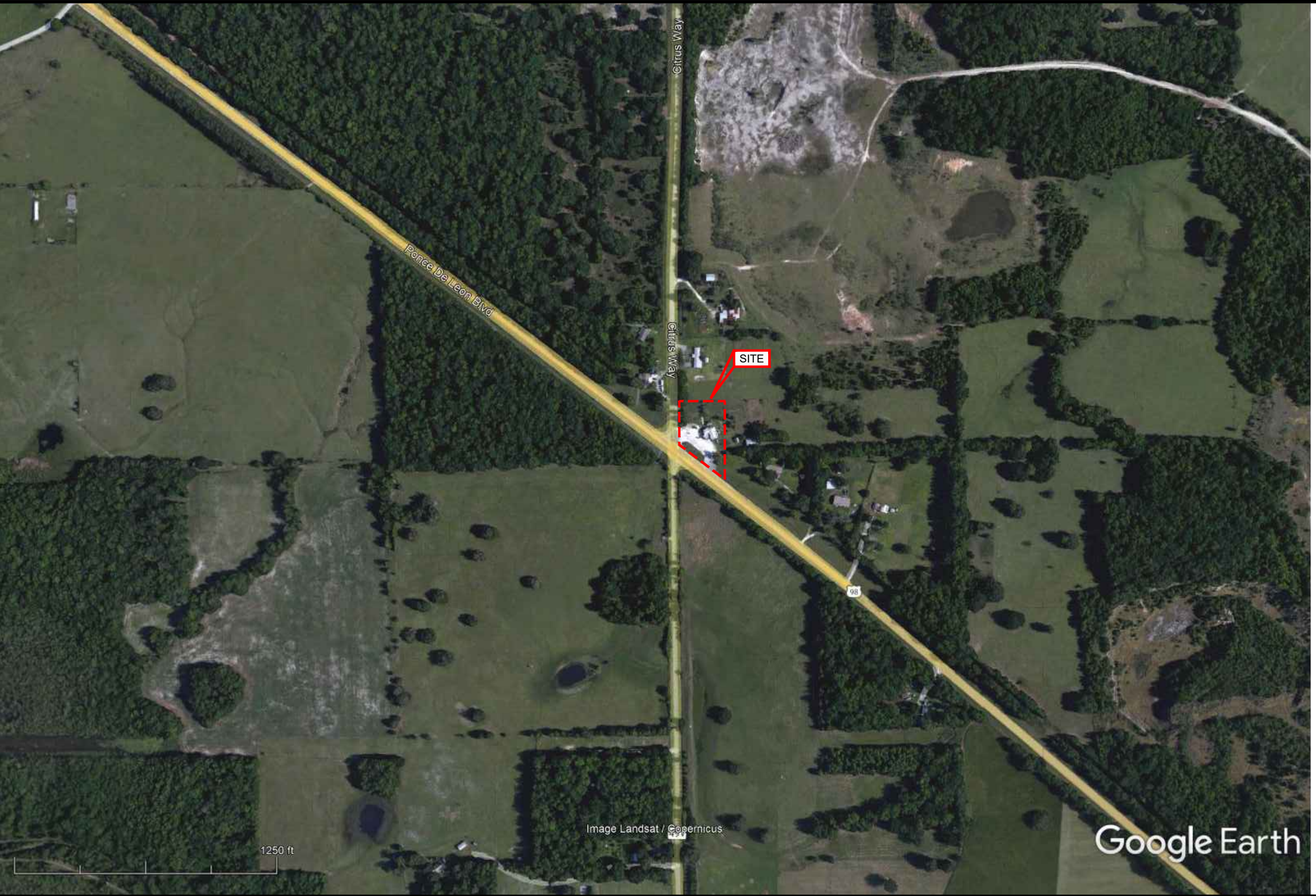
1. Site Vicinity Map

APPENDICES

- A LOA 19
- B Well Abandonment Completion Report
- C Site Map and Groundwater Elevation Table
- D Field Notes / Site Photographs

Project File: 129882.01.29

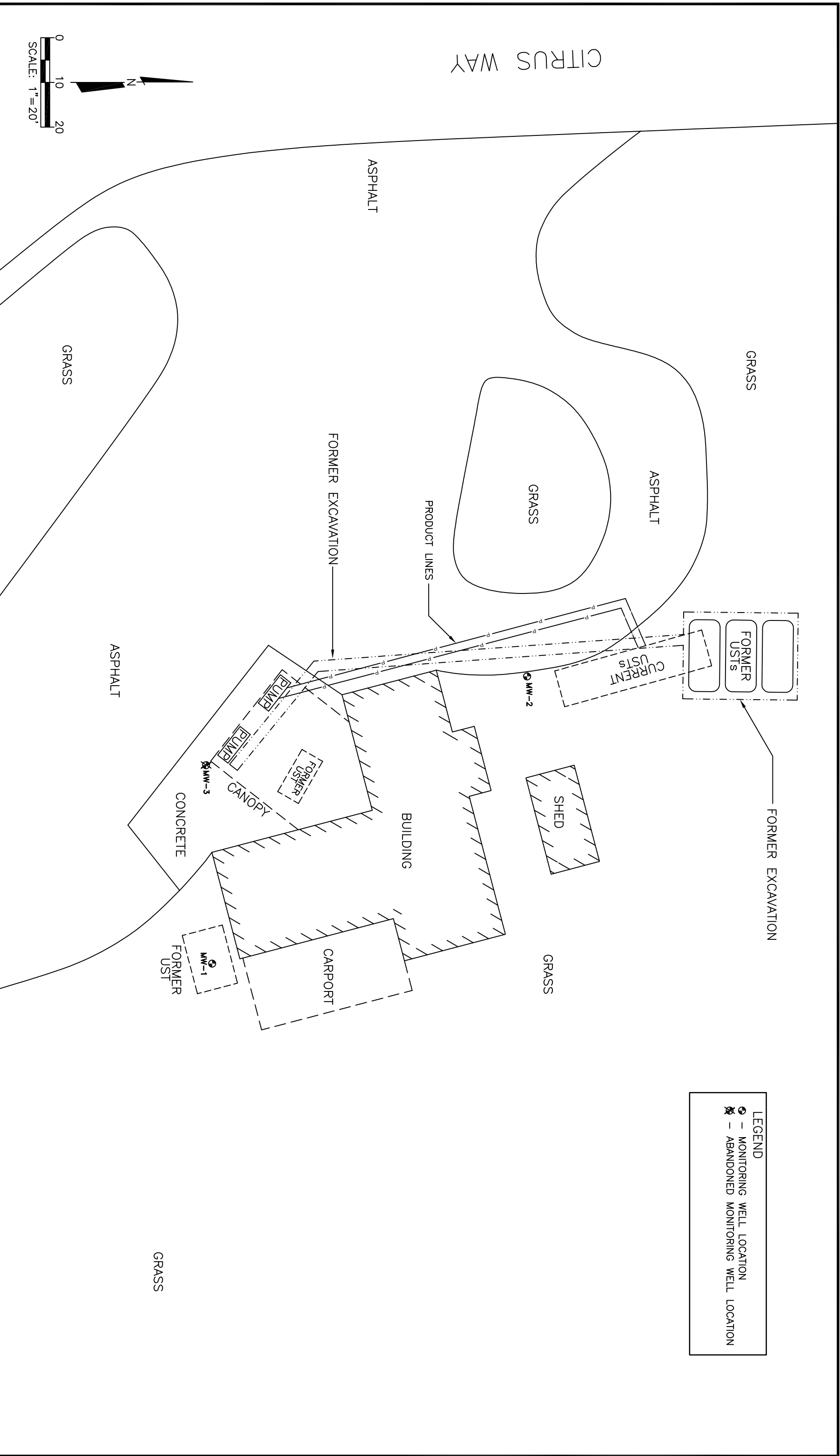
FIGURES



HANDEX CONSULTING AND REMEDIATION
 1202 TECH BOULEVARD, SUITE 204
 TAMPA, FLORIDA 33619
 Telephone: (813) 626-4646
 Fax: (813) 626-1898
 Certificate of Authorization# 26812

Level III Construction Support Services – Monitor Well Abandonment
 US 98 & Citrus Way Boulevard – Des Champs Corner
 98 & Citrus Way Boulevard – Des Champs Corner
 Brooksville, Hernando County, Florida

FIGURE 1
 SITE VICINITY MAP



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Level III Construction Support Services - Monitor Well Abandonment
 US 98 & Citrus Way Boulevard - Des Champs Corner
 98 & Citrus Way Boulevard - Des Champs Corner
 Brooksville, Hernando County, Florida
 FDOT FPN 439448-1-C2-01
 8-11-22

FIGURE 2
 SITE PLAN

APPENDICES

APPENDIX A
LETTER OF AUTHORIZATION # 19



Florida Department of Transportation

RON DESANTIS
GOVERNOR

11201 North McKinley Drive
Tampa, FL 33612

JARED W. PERDUE, P.E.
SECRETARY

August 2, 2022

Mr. Christian Holmström, P.E.
Handex Consulting & Remediation-Southeast, LLC
1202 Tech Blvd., Suite 204
Tampa, Florida 33619

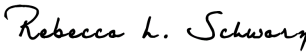
RE: Work Authorization No. 19 Contract No. BEB42, Financial Project No. 439448-1-C2-01, District-Wide Contamination Assessment, Remediation, and Environmental Support Services w/Encumbrance.

Dear Mr. Holmström:

In accordance with the above referenced agreement, you are authorized to perform the services described in Attachment "A" for Level III well abandonment activities for US 98 and Citrus Way Roundabout (Des Champs Corner), 15738 Ponce De Leon Boulevard, Brooksville, Hernando County, Florida.

For the required services, compensation shall be a lump sum amount of \$4,732.05 as described in the attached Attachment "B" in accordance with Exhibit "B" of the Agreement. All services required by this authorization will be completed upon project completion or before the end of the contract, whichever occurs first.

Sincerely,

DocuSigned by:

3CD569E813AA429...

Rebecca L. Schwarz, FCCN
Procurement Services Manager
enrique.garcia@dot.state.fl.us

RLS/eg
Enclosure
cc: Contract File, Marcel Goss, Chris Wilson, D7FSContractDocs

G:\CONTRACTUAL SERVICES\B-CONTRACTS\BEBXX\BEB42 - CAR - HANDEX\WORK ASSIGNMENTS\LOA 19.DOCX

APPENDIX B
WELL ABANDONMENT COMPLETION REPORT



STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

- Southwest
Northwest
St. Johns River
South Florida
Suwannee River
DEP
Delegated Authority (If Applicable)

PLEASE FILL OUT ALL APPLICABLE FIELDS
(*Denotes Required Fields Where Applicable)
The water well contractor is responsible for completing this form and forwarding the permit application to the appropriate delegated authority where applicable.

Permit No. 918253
Florida Unique ID
Permit Stipulations Required (See Attached)
04
62-524 Quad No. Q3820 Delineation No.
CUP/WUP Application No.

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. DILLING INVESTMENTS LLC 15738 PONCE DE LEON BLVD BROOKSVILLE FL 34601
*Owner, Legal Name if Corporation *Address *City *State *ZIP *Telephone Number
2. 15738 PONCE DE LEON BLVD N/A
*Well Location - Address, Road Name or Number, City
3. R184211900001700000
*Parcel ID No. (PIN); or Alternate Key (Circle One) Lot Block Unit
4. 18 21 19 Hernando
*Section or Land Grant *Township *Range *County Subdivision Check if 62-524: Yes X No
5. Michael D Johnson 9271 (863) 425-9600 mdjohnson@customdrilling.net
*Water Well Contractor *License Number *Telephone Number E-mail Address
6. 100 KID ELLIS ROAD MULBERRY FL 33860
*Water Well Contractor's Address City State ZIP

7. *Type of Work: Construction Repair Modification X Abandonment No Further Use
8. *Number of Proposed Wells 1
9. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock Monitoring
Public Water Supply (Limited Use/DOH) Nursery Irrigation Test
Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal
Class I Injection Golf Course Irrigation HVAC Supply
Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
Remediation: Recovery Air Sparge Other (Describe)
X Other (Describe) PLUGGED (Note: Not all types of wells are permitted by a given permitting authority)

Date Stamp
Received:
Aug 2, 2022 1:22 pm
Official Use Only

10. *Distance from Septic System if <= 200 ft. 11. Facility Description 12. Estimated Start Date 08/05/2022
13. *Estimated Well Depth 130 ft. *Estimated Casing Depth 120.0 ft. *Primary Casing Diameter 2 in. Open Hole: From To ft.
14. Estimated Screen Interval: From To ft.
15. *Primary Casing Material: Black Steel Galvanized X PVC Stainless Steel
Not Cased Other:
16. Secondary Casing: Telescope Casing Liner Surface Casing Diameter in.
17. Secondary Casing Material: Black Steel Galvanized PVC Stainless Steel Other
18. *Method of Construction, Repair, or Abandonment: Auger Cable Tool Jetted Rotary Sonic
Combination (Two or More Methods) Hand Driven (Well Point, Sand Point) Hydraulic Point (Direct Push)
Horizontal Drilling X Plugged by Approved Method Other (Describe)
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From To Seal Material (Bentonite Neat Cement Other)
From To Seal Material (Bentonite Neat Cement Other)
From To Seal Material (Bentonite Neat Cement Other)
From To Seal Material (Bentonite Neat Cement Other)
20. Indicate total number of existing wells on site 0 List number of existing unused wells on site 0
21. *Is this well or any existing well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? Yes X No If yes, complete the following: CUP/WUP No. District Well ID No.
22. Latitude 28 39 04.22 Longitude 82 26 47.15
23. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

I hereby certify that I will comply with the applicable rules of Title 10, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided in this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after completion of the construction, repair, modification, or abandonment authorized by this permit, or the permit expiration, whichever occurs first.
I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well, or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to allowing personnel of this WMD or Delegated Authority access to the well site during the construction, repair, modification, or abandonment authorized by this permit.

Digitally Signed 9271 Digitally Signed 8/2/2022
*Signature of Contractor *License No. *Signature of Owner or Agent *Date

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By Automatically Issued Issue Date 08/02/2022 Expiration Date 10/31/2022 Hydrologist Approval
Fee Received \$.00 Receipt No. Check No.

THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, REPAIR, MODIFICATION, OR ABANDONMENT ACTIVITIES.



STATE OF FLORIDA WELL COMPLETION REPORT

Southwest Northwest St. Johns River South Florida Suwannee River DEP Delegated Authority (If Applicable) PLEASE, FILL OUT ALL APPLICABLE FIELDS (*Denotes Required Fields Where Applicable)

Date Stamp Received: Aug 16, 2022 6:09 am Official Use Only

1. Permit Number 918253 CUP/WUP Number DID Number 62-524 Delineation No. 2. Number of permitted wells constructed, repaired, or abandoned 1 Number of permitted wells not constructed, repaired, or abandoned 0 3. Owner's Name DILLING INVESTMENTS LLC 4. Completion Date 08/05/2022 5. Florida Unique ID 6. 15738 PONCE DE LEON BLVD N/A Well Location - Address, Road Name or Number, City, ZIP 7. County Hernando Section 18 Land Grant Township 21 Range 19 8. Latitude 28 39 04.10 Longitude 82 26 47.31 9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

10. Type of Work: Construction Repair Modification X Abandonment 11. Specify Intended Use(s) of Well(s): Domestic Landscape Irrigation Agricultural Irrigation Site Investigation Bottled Water Supply Recreation Area Irrigation Livestock Monitoring Public Water Supply (Limited Use/DOH) Nursery Irrigation Test Public Water Supply (Community or Non-Community/DEP) Commercial/Industrial Earth-Coupled Geothermal Class I Injection Golf Course Irrigation HVAC Supply HVAC Return Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage Remediation: Recovery Air Sparge Other (Describe) X Other (Describe) PLUGGED

12. Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted Sonic Horizontal Drilling Hydraulic Point (Direct Push) X Other PLUGGED BY APPROVED METHOD 13. Measured Static Water Level 116.0 ft. Measured Pumping Water Level ft. After Hours at GPM 14. Measuring Point (Describe) Which is ft. Above Below Land Surface *Flowing: Yes No 15. Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other 16. Total Well Depth 130.1 ft. Cased Depth 130.1 ft. *Open Hole: From To ft. *Screen: From To ft. Slot Size

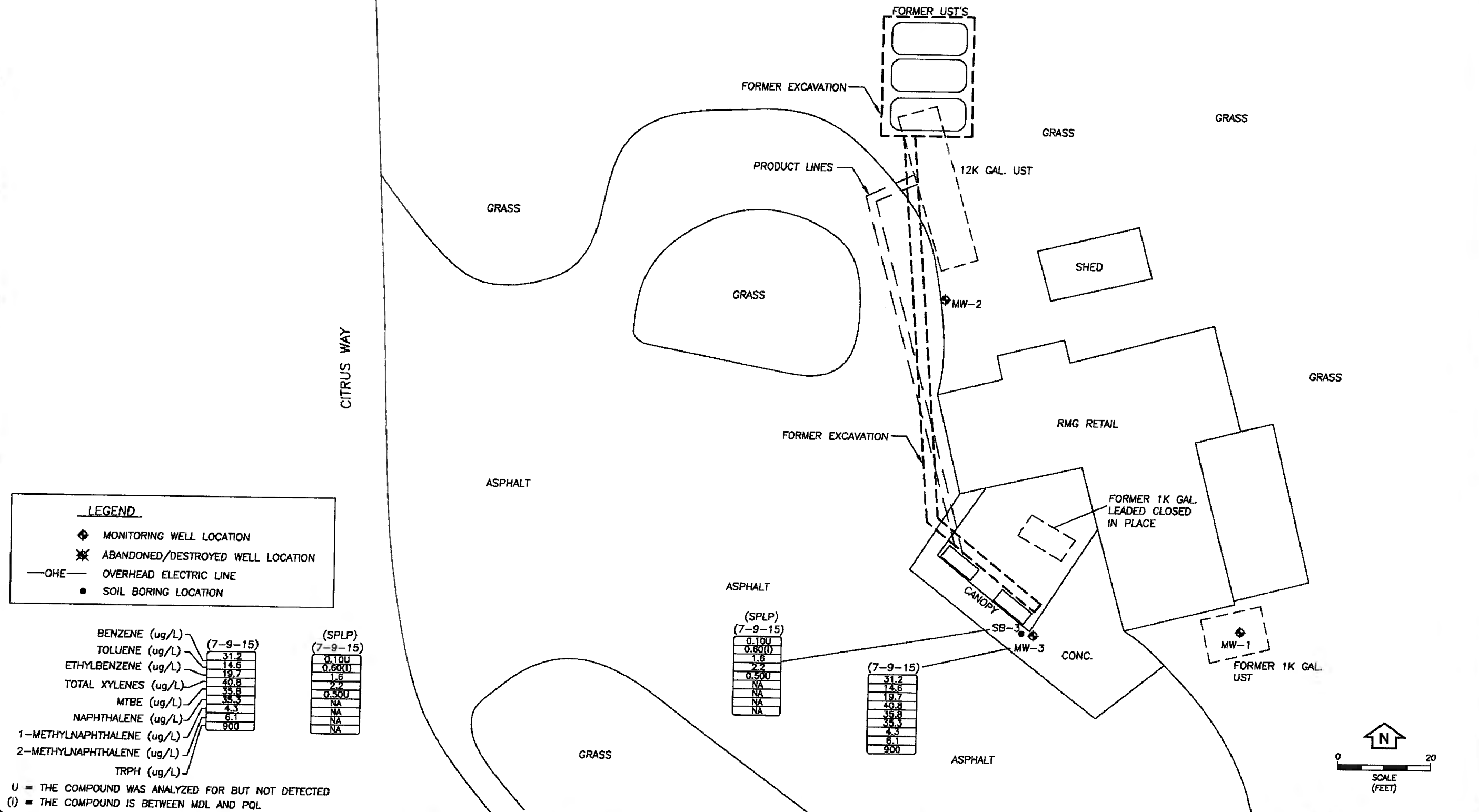
17. Abandonment: X Other (Explain) PLUGGED 2. From 0.00 ft. To 130.12 ft. No. of Bags 3.00 Seal Material (Check One): X Neat Cement Bentonite Other From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other 18. Surface Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other 19. Primary Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other 20. Liner Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other 21. Telescope Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Bentonite Other

22. Pump Type (If Known): Centrifugal Jet Submersible Turbine Horsepower Pump Capacity (GPM) Pump Depth ft. Intake Depth ft. 23. Chemical Analysis (When Required): Iron ppm Sulfate ppm Chloride ppm Laboratory Test Field Test Kit

24. Water Well Contractor: Contractor Name Michael D Johnson License Number 9271 E-mail Address mdjohnson@customdrilling.net Contractor's Signature Digitally Signed Driller's Name (Print or Type) Taylor Scruggs (I certify that the information provided in this report is accurate and true.)

APPENDIX C
SITE MAP AND GROUNDWATER ELEVATION TABLE

**FIGURE 4
GROUNDWATER ANALYTICAL SUMMARY MAP
RMG RETAIL INC.
BROOKSVILLE, FLORIDA**



U = THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
(I) = THE COMPOUND IS BETWEEN MDL AND PQL

APPENDIX D
FIELD NOTES / SITE PHOTOGRAPHS

Location Branksville, FL / FDOT FHW 131418 ^{Fl} Date 5/5/2022
-1-CC-01

Project / Client Des Champs Concr / 121882.01.28

Weather - Sunny + Clear: 76°F Task Wall Abolishment

Curtis Odum - Geologist - Ford F-150 #930

0430 mob from Tallahassee to site

0800 Start, Grout wall 116.22, 130.12

0920 Custom drilling with Taylor Scraggs-driller,

Dozer Conyers wiper / GMC flatbed

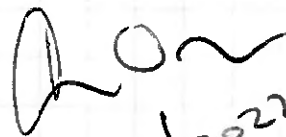
0940 Demo wall pad

1010 Grout wall

1105 Build pad

1140 off site, mob to Tallahassee

1515 Arrive in Tallahassee, EOW


5/5/2022



MW-3

Diesel

UNLE

87

\$10,000.00



MW-3



