

June 30, 2022

Mr. Mike Dalsis, PWS, PCCM
Groundwater and Springs Management Section
Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
2600 Blair Stone Road MS3555
Tallahassee, Florida 32399

**SUBJECT: Monitoring Well Installation Completion Report
 Jackson Blue Springshed
 Various Locations across Jackson County
 FDEP Contract No.: WQ173
 Task Assignment No.: 3**

Dear Mr. Dalsis,

Wood Environment and Infrastructure Solutions, Inc., (Wood) is pleased to submit this Monitoring Well Installation Completion Report to the Florida Department of Environmental Protection (FDEP). This report describes the well installation activities performed under Task Assignment (TA) Number 3 of the FDEP contract **WQ173**. The FDEP issued TA #3 to facilitate the augmentation of an existing groundwater monitoring well network in the vicinity of the Jackson Blue Springshed (JBS) by constructing new wells in areas along County and Florida Department of Transportation (FDOT) rights-of-way (ROW) in Jackson County (the County). The locations of these monitoring wells are shown on **Figures 1 and 2**.

Tables provided in this report include Table 1 - Proposed Monitoring Well Site Identification and Location, and Table 2 – Monitoring Well Construction Specifications and Final Location Coordinates. Figures provided in this report include Figure 1 – Project Location and Figure 2– Monitoring Well Locations. Attachments provided in this report include Attachment A – Well Construction Permits, Attachment B – Well Completion Reports, Attachment C – Wood E&IS Field Notes, Attachment D – Installation and Boring Logs, Attachment E - Professional Land Survey (PLS), and Attachment F- Example Monitoring Well Diagrams

1. INTRODUCTION

1.1. Scope of Work

As part of TA #3, Wood proposed to construct and install monitoring wells at up to 16 locations within the JBS. FDEP provided Wood with 16 proposed monitoring well installation locations. After discussion with FDEP, two locations were removed from the proposed location list due to site access limitations discovered during site reconnaissance. Fourteen monitoring wells were proposed to be installed throughout the JBS site area, including two nested wells at four locations, with one well at each of the six remaining locations. Proposed monitoring well locations and associated well permits and Sunshine One Call locate tickets are shown in **Table 1**. The target monitoring zone of the wells is the upper water-bearing carbonate rock of the upper Floridan aquifer. The monitoring wells were proposed to be installed to various depths ranging from

approximately 51 feet below land surface (bls) to 122 feet bls. The depth ranges allow for the natural variation in topography and potentiometric surface in the areas that have been selected for monitoring well siting. Also, it considered the presence/absence of confining layers and proximity to the spring of interest. These activities were conducted at the request of the FDEP and in coordination with the FDEP staff. Wood completed the following scope of work authorized under TA #3 in the specified tasks:

- Task 1: Kick-off and Coordination Meetings.
- Task 2: Permitting of Proposed Monitoring Wells.
 - Conducted field reconnaissance for utility locates, mapping/staking/flagging, and permit coordination.
 - Obtained site access for monitoring well construction through public roadway ROWs or other access authorization. Develop Maintenance of traffic (MOT) plans as required.
 - Prepared ROW utilization/underground utility permit application for agency signature and subsequent submittal to the respective entity.
 - Coordinated with the driller to prepare and submit the required well permits to the Northwest Florida Water Management District (NFWFMD) based on the design specifications provided by Wood.
- Task 3: Design of Monitoring Wells
 - Monitoring well design specifications and construction details.
- Task 4: Monitoring Well Installation Activities.
 - Prepared site Health and Safety Plan (HASP), monitoring well installation construction oversight and surface completion.
 - Construction oversight by a site geologist, engineer, or geotechnical engineer suitably qualified and licensed to conduct hydrogeologic investigations.
 - ROW restoration.
 - Performed a professional land survey by a Licensed Professional Land Surveyor.
- Task 5: Preparation of a Monitoring Well Installation Summary Report that documents the completion of the scoped services and presents information collected during construction oversight and field activities.

This report is being submitted to document the completion of monitoring well construction activities authorized under TA #3.

1.2. Background

The Basin Management Action Plans (BMAPs) use Total Maximum Daily Loads (TMDLs) as a starting point and brings together local, regional, and State representatives with an interest in reducing the pollutant loads to an impaired water body and restoring the water quality. Together, these entities worked to develop a BMAP that was implemented in collaboration with stakeholders to meet the TMDLs.

The Jackson Blue Spring and Merritts Mill Pond BMAPs areas comprise JBS. In support of the BMAP, the groundwater monitoring network in the JBS was expanded to monitor nutrient trends in the groundwater.

2. PRE-CONSTRUCTION ACTIVITIES

On March 01, 2022, prior to beginning monitoring well installation activities, Wood conducted a project kick-off meeting with the FDEP, regulatory entities and the drilling subcontractor, to discuss the upcoming field activities completed in TA #4. Additionally, the County and the FDOT were notified of the start and completion dates of each site. The following sections outline the logistical activities that were completed prior to the start to the drilling activities.

2.1. Health and Safety Plan

A site-specific HASP was prepared to address issues regarding the health and safety of workers conducting the monitoring well installation. The plan presented the physical and biological health exposures and emergency information that is necessary for all field personnel. A copy of the HASP accompanied the field crew to the site, and health and safety tailgate meetings were conducted daily.

2.2. Permitting

Well Construction Permits were obtained from the NFWFMD by the drilling subcontractor, Preferred Drilling Solutions (PDS), for the installation activities across 14 sites in accordance with Chapter 62-532, Florida Administrative Code (FAC). Copies of the permits are included in **Attachment A**.

2.3. Utilities

Wood utilized the Sunshine One Call 811 system to identify, locate and field mark underground utilities. Utility locate tickets were issued between March 03 and 05, 2022, in accordance with the Underground Facility Damage Prevention and Safety Act, Chapter 556, Florida Statutes.

3. FIELD ACTIVITIES

From March 28, 2022 to April 19, 2022, Wood supervised the installation of 14 groundwater monitoring wells by PDS using the sonic drilling technique (GeoProbe 810LS). Hand auger borings were completed to 5 feet bls at each location prior to the start of the drilling to identify any utilities that may not have been marked by the utility locators.

3.1. Maintenance of Traffic

A MOT plan was required at the four FDOT sites: GWM-3, GWM-7, GWM-C and WMD-69 (5288). While a MOT was used at all sites, it was only required by the FDOT at the previously mention locations. The MOT was set up and maintained each day at each site while MOT certified field personnel were onsite.

3.2. Soil Coring

One continuous core was drilled at each monitoring well site, for a total of 14 cores, using a 4-inch inside diameter (ID) rota-sonic core barrel. If needed, the boring was subsequently enlarged with a 6-inch ID, rota-sonic override casing and water was used to achieve total depth during coring. The cores were examined onsite by Wood and were subsequently either spread onsite or left in the vicinity of the well for transportation to the Florida Geological Survey (FGS) core archive by FGS personnel. Each boring was subsequently enlarged with an 8-inch ID, rota-sonic override casing and completed as a single-cased monitoring well. The target monitoring zone of the wells was the upper water-bearing carbonate rock of the upper Floridan aquifer. Drilling logs were described from the drill cuttings generated at each well location (prepared and submitted by PDS) and are included in **Attachment B**; however, the lithologic descriptions shown on the completion reports are generally vague. Additional lithologic descriptions for each monitoring well boring can be found in the Wood field notes and boring logs (**Attachments C and D**). Please see below for a general overview of lithology encountered throughout Jackson County:

- The lithology within Jackson Blue consists of layered sand, silty sand, sandy clay, clay and limestone. Sand and silty sand, fine to very fine grained, varying in color from tan, brown and orange is present at various depths in the borings from 0-15 feet bls. The formation continues to alternate from sandy clay to clayey sand to clay from approximately 15-110 feet bls. The soil boring total depth ranged from 50-110 feet bls. Limestone was encountered throughout the formation at various depths ranging from 25 to 110 feet bls.

3.3. Monitoring Well Construction

The monitoring wells were installed to various depths ranging from approximately 46 feet bls to 110 feet bls. The monitoring wells were constructed of 4-inch schedule 40 polyvinyl chloride (PVC) riser, with 20 feet of 0.010-inch, slotted PVC screen fitted with a PVC base plug. For locations where nested wells were anticipated for installation, the deeper nested wells were constructed with 10-foot of 0.010-inch slotted screen. A 20/30-grade silica sand pack was installed around the annular space of the well screen to a depth of 2 feet above the top of the screen interval followed by a 2-foot, 30/65-grade fine sand seal on top of the filter pack. The remaining annulus of each well was sealed to land surface with Portland grout. The grout was installed through tremie pipes from the bottom up to land surface. The monitoring wells were secured inside a 12-inch diameter, bolt-down, well vault embedded in a flush mounted, traffic-bearing, 2-foot by 2-foot concrete pad with reinforced rebar. Example monitoring well diagrams are included as **Attachment F**.

Upon completion, the newly installed monitoring wells were developed using a submersible pump. The monitoring wells were developed for at least 30 minutes and/or until the water was clear and sediment-free. Development water was discharged onto the ground in the vicinity of each well per permit requirements. Copies of the NFWFMD completion reports (prepared and submitted by PDS) are included as **Attachment B**.

3.4. Site Restoration

Following the monitoring well installation activities, grass seed was spread across the construction area to match the existing vegetation. The grass seed was covered with hay to help keep the seeds in place. The County and the FDOT were notified of the start and completion dates of each site.

3.5. Deviations from Proposed Scope of Work

The FDEP site manager was notified of any changes from the field. Final monitoring well depths were adjusted at 11 of the 14 locations in the field based on the lithology encountered during the soil coring activities. The monitoring wells were proposed to be installed to various depths ranging from approximately 51 feet bls to 122 feet bls. The final monitoring well depths ranged from 46 feet bls to 110 feet bls. Final monitoring well locations, depths, and design specifications are shown in **Table 2**.

3.6. Professional Land Survey

A PLS was conducted upon completion of the monitoring well installations. In April and May 2022, the PLS was completed by Southeastern Surveying and Mapping Corporation at 14 sites. The PLS included the horizontal locations and vertical elevations of the top of casing of the 14 monitoring wells, and approximate property boundaries and ROW. The horizontal coordinates are referenced to NAVD 83\2011 Adjustment State Plane Coordinates (Florida North) with Vertical in NAVD 88 and stated in U.S. Survey Feet. The geographic coordinates (latitude and longitude) for the monitoring wells are included in **Table 1**. The PLS figures are included in **Attachment E**.

4. CONCLUSIONS

Fourteen monitoring wells were constructed in the upper water-bearing carbonate rock of the Floridan aquifer for the purpose of monitoring the presence and movement of nutrients in groundwater within the Jackson Blue Springshed.

Wood appreciates the opportunity and is looking forward to supporting the FDEP with this project in the future. If you have any questions regarding this report, please contact Celeste Lyon at (979) 236-5754 or by email at celeste.lyon@woodplc.com.

Sincerely,

Wood
Environment & Infrastructure Solutions, Inc.



Mary Szafraniec
Project Manager





Ron White, P.G.
Associate Scientist

PROFESSIONAL REVIEW CERTIFICATION

The work described in this Monitoring Well Installation Completion Report for the Jackson Blue Springshed project, Jackson County, Florida, was performed in accordance with commonly accepted procedures consistent with the applied standards of practice under the direction of the undersigned professional geologist. The professional opinions rendered are based on the associated information detailed in the text and appended to this report or referenced in public literature. Recommendations are based upon interpretations of the applicable regulatory requirements, guidelines, and relevant issues discussed with regulatory personnel. If conditions that differ from those described are determined to exist, the undersigned should be notified to evaluate the effects of any additional information on the assessment or recommendations made in this report. These field activities were conducted at various locations within the Jackson Blue Springshed in Jackson County, Florida in accordance with Florida Department of Environmental Protection directives and U.S. Environmental Protection Agency protocol, and the report should not be construed to apply for any other purpose or to any other site.

Wood Environment & Infrastructure Solutions, Inc. (**P.G. License Number: GB514; Certificate of Authorization Number: 6090, SEQ No.: L1502100000828**) is authorized under the provisions of Section 492 Florida Statutes.



Ronald D. White, PG
Associate Geologist
Florida License Number 2068
Expires July 31, 2022

6/27/22
Date

TABLES

Table.1 Proposed Monitoring Well Site Identification and Location

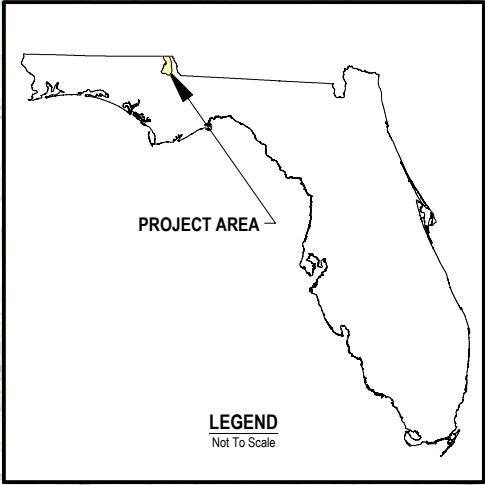
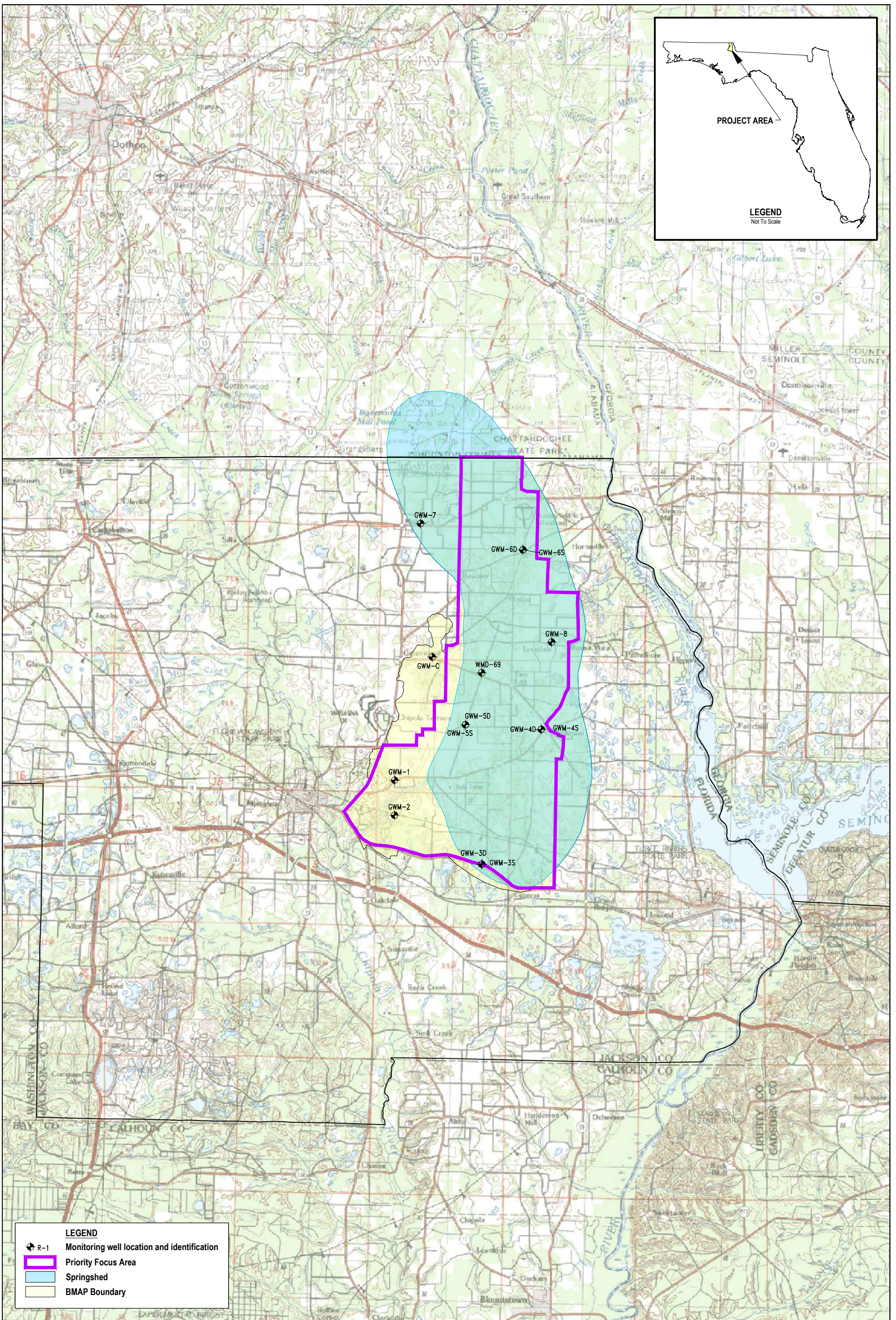
Well ID	Latitude	Longitude	County	ROW Permit Number	811 Ticket Number
GWM-1	30.7893	-85.1664	Jackson	N/A*	061202353
GWM-2	30.7665	-85.1662	Jackson	N/A*	061202322
GWM-3 deep	30.7351	-85.1009	Jackson	2022-K-393-00008	061202743
GWM-3 shallow	30.7348	-85.1000	Jackson	2022-K-393-00008	061202743
GWM-4 deep	30.8231	-85.0555	Jackson	N/A*	061202778
GWM-4 shallow	30.8230	-85.0554	Jackson	N/A*	061202778
GWM-5 deep	30.8259	-85.1127	Jackson	N/A*	061202633
GWM-5 shallow	30.8258	-85.1128	Jackson	N/A*	061202633
GWM-6 deep	30.9401	-85.0701	Jackson	N/A*	061202924
GWM-6 shallow	30.9402	-85.0700	Jackson	N/A*	061202924
GWM-7	30.9572	-85.1477	Jackson	2022-K-393-00006	061202547
GWM-8	30.8799	-85.0479	Jackson	N/A*	061202863
GWM-C	30.8700	-85.1384	Jackson	2022-K-393-00005	061202452
WMD-69 (5288)	30.8599	-85.1007	Jackson	2022-K-393-00009	061203409

*Permit number not provided by issuing Municipality

Table 2 Monitoring Well Construction Specifications and Final Locations

Well ID	Well Type	Well Diameter (in)	Anticipated Depth (ft bls)	Actual Depth (ft bls)	Screen Interval (ft bls)	Total Well Footage (ft)	Well Completion Type	Latitude	Longitude
GWM-1	MW	4	95	88	68-88	88	12" MH	30.7894	-85.1662
GWM-2	MW	4	95	93	73-93	93	12" MH	30.7665	-85.1662
GWM-3 deep	MW	4	122	108	98-108	108	12" MH	30.7348	-85.0999
GWM-3 shallow	MW	4	82	68	48-68	68	12" MH	30.7348	-85.0999
GWM-4 deep	MW	4	110	110	100-110	110	12" MH	30.8231	-85.0555
GWM-4 shallow	MW	4	70	70	50-70	70	12" MH	30.8231	-85.0555
GWM-5 deep	MW	4	91	99	89-99	99	12" MH	30.8258	-85.1128
GWM-5 shallow	MW	4	51	59	39-59	59	12" MH	30.8258	-85.1128
GWM-6 deep	MW	4	91	86	76-86	86	12" MH	30.9403	-85.0700
GWM-6 shallow	MW	4	51	46	26-46	46	12" MH	30.9403	-85.0700
GWM-7	MW	4	51	51	31-51	51	12" MH	30.9572	-85.1477
GWM-8	MW	4	56	67	47-67	67	12" MH	30.8800	-85.0479
GWM-C	MW	4	61	58	38-58	58	12" MH	30.8700	-85.1382
WMD-69 (5288)	MW	4	61	48	28-48	48	12" MH	30.8599	-85.1008

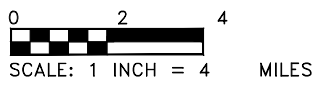
FIGURES



LEGEND

- R-1 Monitoring well location and identification
- Priority Focus Area
- Springshed
- BMAP Boundary

**FIGURE 1
PROJECT LOCATION**



NO.	DATE	REVISIONS
0	Jun-22	Initial Submittal

DESIGNED	DRAWN	CHECKED	DATE
CL	GB		

wood.

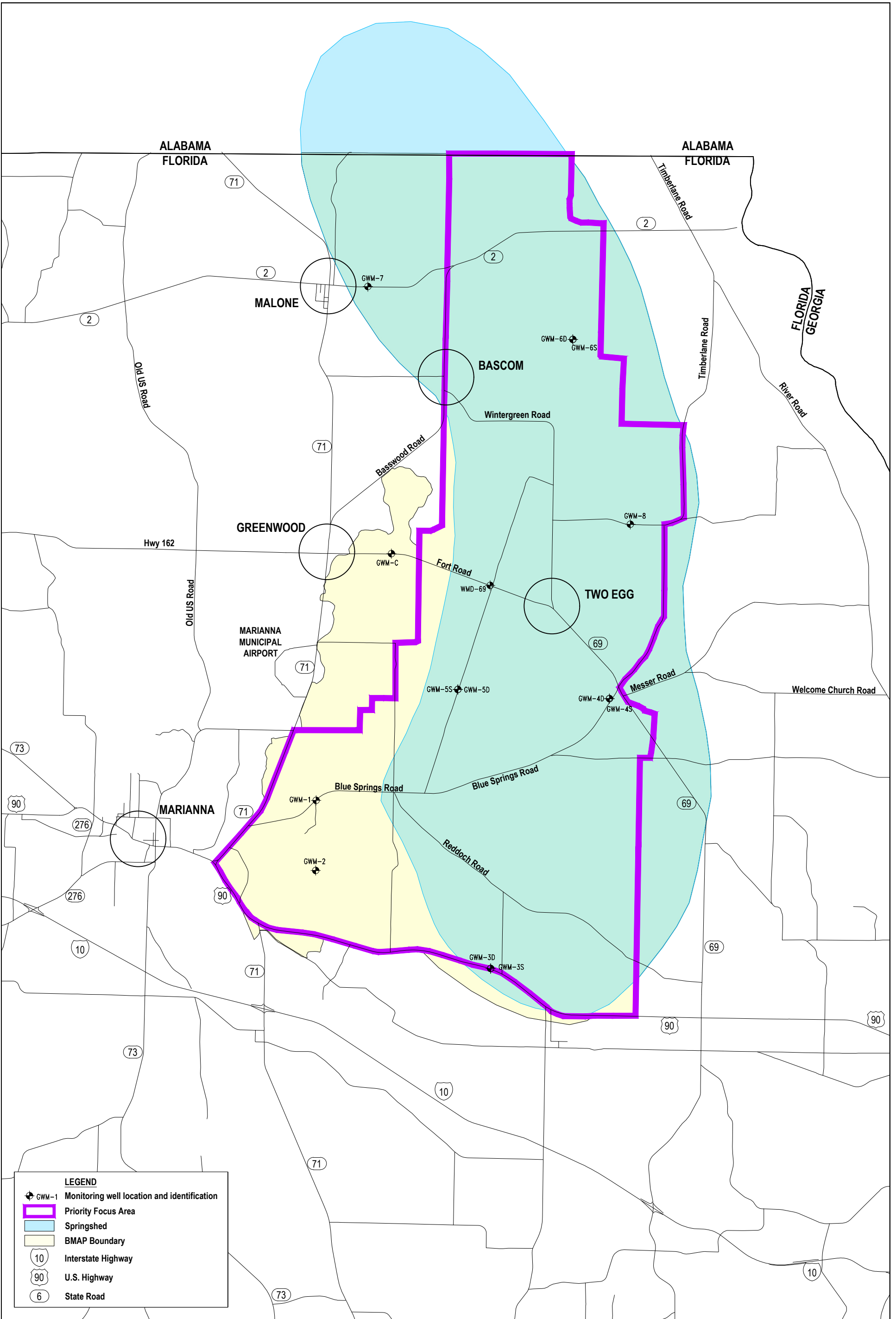
Environment & Infrastructure Solutions, Inc.
Tallahassee, Florida 850-656-1293

JACKSON BLUE SPRINGSHEd

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

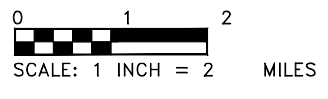
FIGURE:

1



LEGEND

- GWM-1 Monitoring well location and identification
- Priority Focus Area
- Springshed
- BMAP Boundary
- Interstate Highway
- U.S. Highway
- State Road



PLOTTED: June 22, 2022 - 11:59 AM, BY: Burton, George A

NO.		DATE		REVISIONS	
0	Jun-22	Initial Submittal			
DESIGNED	CL	DRAWN	GB	CHECKED	DATE

Environment & Infrastructure Solutions, Inc.
Tallahassee, Florida 850-656-1293

JACKSON BLUE SPRINGSHEDED

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FIGURE:

2

**FIGURE 2
MONITORING WELL LOCATIONS**

wood.

ATTACHMENTS

Attachment A

Well Construction Permits



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

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: MO-C-304491-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5542SE Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
*Owner, Legal Name if Corporation *Address *City *State *Zip *Telephone Number

2. ROW Blue Springs Highway, Marianna, FL 32446
*Well Location - Address, Road Name or Number, City

3. NEAR 31-5N-09-0000-0100-0000
*Parcel ID No. (PIN) or Alternate Key (Circle One) Lot Block Unit

4. 31 5N 9W Jackson
*Section or Land Grant *Township *Range *County Subdivision
Check if 62-524: X Yes No

5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
*Water Well Contractor *License Number *Telephone Number E-mail Address

6. 8820 66th Street North Pinellas Park FL 33782
*Water Well Contractor's Address City State ZIP

7. *Type of Work: X Construction Repair Modification Abandonment
*Reason for Repair, Modification, or Abandonment

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 X Monitoring
Nursery Irrigation Test
Public Water Supply (Limited Use/DOH) Commercial/Industrial Earth-Coupled Geothermal
Public Water Supply (Community or Non-Community/DEP) Golf Course Irrigation HVAC Supply
Class I Injection HVAC Return
Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage
Remediation: Recovery Air Sparge Other (Describe)
Other (Describe) (Note: Not all types of wells are permitted by a given permitting authority)

Date Stamp
Confirmation# 593761
Date: 03/25/2022
Official Use Only

10. *Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022

13. *Estimated Well Depth 100 ft. *Estimated Casing Depth 80 ft. *Primary Casing Diameter 4 in. Open Hole: From To ft.

14. Estimated Screen Interval: From 80 To 100 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 X Sonic
Combination (Two or More Methods) Hand Driven (Well Point, Sand Point) Hydraulic Point (Direct Push)
Horizontal Drilling Plugged by Approved Method Other (Describe)

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From 0 To 78 Seal Material (Bentonite X 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 List number of existing unused wells on site

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. 311742

22. Latitude 304721.404 Longitude 850959.2147

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 40, Florida Administration 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 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.

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
*Signature of Contractor *License No. *Signature of Owner or Agent *Date

BELOW THIS LINE -FOR OFFICIAL USE ONLY

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval initials

Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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

- 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: MO-C-304492-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5541NE Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
2. ROW Hartsfield Road, Greenwood, FL 32443
3. NEAR 20-5N-08-0000-0340-0000
4. 20 5N 8W Jackson
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction
8. Number of Proposed Wells: 1
9. Specify Intended Use(s) of Well(s):
10. Distance from Septic System if <= 200 ft.
11. Facility Description: ROW
12. Estimated Start Date: 03/28/2022
13. Estimated Well Depth: 100 ft.
14. Estimated Screen Interval: From 80 To 100 ft.
15. Primary Casing Material: X PVC
16. Secondary Casing:
17. Secondary Casing Material:
18. Method of Construction, Repair, or Abandonment: X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site
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?
22. Latitude: 304922.8689 Longitude: 850318.7181
23. Data Obtained From: X Map Survey Datum: X NAD 83

Date Stamp
Confirmation# 593765
Date: 03/25/2022
Official Use Only

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval [Signature]
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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

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: MO-C-304493-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5542SE Delineation No.
CUP/WUP Application No.

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 4979 Healthy Way B Marianna FL 32446 8504829633
2. ROW Apalachee Trail, Marianna, FL 32446
3. NEAR: 07-4N-09-0417-0000-0210
4.7 Section or Land Grant 4N Township 9W Range Jackson County
5. Gregory W Campbell 2613 License Number 7275617477 Telephone Number shannon@pdsflorida.com E-mail Address
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction Repair Modification Abandonment
8. Number of Proposed Wells 1
9. Specify Intended Use(s) of Well(s): Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
10. Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 100 ft. Estimated Casing Depth 80 ft. Primary Casing Diameter 4 in. Open Hole: From To ft.
14. Estimated Screen Interval: From 80 To 100 ft.
15. Primary Casing Material: Black Steel Galvanized X PVC Stainless Steel
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 X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site List number of existing unused wells on site
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
22. Latitude 304558.2777 Longitude 850959.5745
23. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

Date Stamp
Confirmation# 593763
Date: 03/25/2022
Official Use Only

BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval initials
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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)

Permit No: MC-C-304494-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5541NE Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
2. ROW Hartsfield Road, Greenwood, FL 32443
3. NEAR 20-5N-08-0000-0340-0000
4. 20 5N 8W Jackson
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction Repair Modification Abandonment
8. Number of Proposed Wells 1
9. Specify Intended Use(s) of Well(s):
10. Distance from Septic System if <= 200 ft.
11. Facility Description ROW
12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 40 ft. Estimated Casing Depth 20 ft. Primary Casing Diameter 4 in.
14. Estimated Screen Interval: From 20 To 40 ft.
15. Primary Casing Material: Black Steel Galvanized X PVC Stainless Steel
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 X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site List number of existing unused wells on site
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
22. Latitude 304923.072 Longitude 850319.3554
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 40, Florida Administration 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 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.
Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
Signature of Contractor License No. Signature of Owner or Agent Date

Date Stamp
Confirmation# 593764
Date: 03/25/2022
Official Use Only

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval [Signature]
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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: MO-C-304496-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5541NW Delineation No. 3263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
*Owner, Legal Name if Corporation *Address *City *State *Zip *Telephone Number

2. ROW Hartsfield Road, Greenwood, FL 32443
*Well Location - Address, Road Name or Number, City

3. NEAR 22-5N-09-0000-0030-0021
*Parcel ID No. (PIN) or Alternate Key (Circle One) Lot Block Unit

4. 22 5N 9W Jackson
*Section or Land Grant *Township *Range *County Subdivision
Check if 62-524: X Yes No

5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
*Water Well Contractor *License Number *Telephone Number E-mail Address

6. 8820 66th Street North Pinellas Park FL 33782
*Water Well Contractor's Address City State ZIP

7. *Type of Work: X Construction Repair Modification Abandonment
*Reason for Repair, Modification, or Abandonment

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)
Other (Describe) (Note: Not all types of wells are permitted by a given permitting authority)

Date Stamp
Confirmation# 593766
Date: 03/25/2022
Official Use Only

10. *Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022

13. *Estimated Well Depth 100 ft. *Estimated Casing Depth 80 ft. *Primary Casing Diameter 4 in. Open Hole: From 0 To 0 ft.

14. Estimated Screen Interval: From 80 To 100 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 X Sonic
Combination (Two or More Methods) Hand Driven (Well Point, Sand Point) Hydraulic Point (Direct Push)
Horizontal Drilling Plugged by Approved Method Other (Describe)

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From 0 To 78 Seal Material (Bentonite X 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 List number of existing unused wells on site

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. 311764

22. Latitude 304932.8958 Longitude 850646.3193

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 40, Florida Administration 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 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.

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
*Signature of Contractor *License No. *Signature of Owner or Agent *Date

BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval initials

Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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: MO-C-304497-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5541NW Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
Owner, Legal Name if Corporation Address City State Zip Telephone Number

2. ROW Hartsfield Road, Greenwood, FL 32443
Well Location - Address, Road Name or Number, City

3. NEAR 22-5N-09-0000-0030-0021
Parcel ID No. (PIN) or Alternate Key (Circle One) Lot Block Unit

4. 22 5N 9W Jackson
Section or Land Grant Township Range County Subdivision
Check if 62-524: X Yes No

5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
Water Well Contractor License Number Telephone Number E-mail Address

6. 8820 66th Street North Pinellas Park FL 33782
Water Well Contractor's Address City State ZIP

7. Type of Work: X Construction Repair Modification Abandonment
Reason for Repair, Modification, or Abandonment

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)
Other (Describe) (Note: Not all types of wells are permitted by a given permitting authority)

Date Stamp
Confirmation# 593768
Date: 03/25/2022
Official Use Only

10. Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 40 ft. Estimated Casing Depth 20 ft. Primary Casing Diameter 4 in. Open Hole: From 0 To 0 ft.

14. Estimated Screen Interval: From 20 To 40 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 X Sonic
Combination (Two or More Methods) Hand Driven (Well Point, Sand Point) Hydraulic Point (Direct Push)
Horizontal Drilling Plugged by Approved Method Other (Describe)

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From 0 To 18 Seal Material (Bentonite X 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 List number of existing unused wells on site
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. 311765

22. Latitude 304932.8958 Longitude 850646.72
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 40, Florida Administration 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 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.

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
Signature of Contractor License No. Signature of Owner or Agent Date

BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval initials

Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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: MO-C-304498-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5641NW Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
*Owner, Legal Name if Corporation *Address *City *State *Zip *Telephone Number

2. ROW Neals Landing Road, Bascom, FL 32423
*Well Location - Address, Road Name or Number, City

3. NEAR 07-6N-08-0000-0040-0000
*Parcel ID No. (PIN) or Alternate Key (Circle One) Lot Block Unit

4.7 Section or Land Grant 6N Township 8W Range Jackson County Subdivision
Check if 62-524: X Yes No

5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
*Water Well Contractor *License Number *Telephone Number E-mail Address

6. 8820 66th Street North Pinellas Park FL 33782
*Water Well Contractor's Address City State ZIP

7. *Type of Work: X Construction Repair Modification Abandonment
*Reason for Repair, Modification, or Abandonment

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 X 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)
Other (Describe) (Note: Not all types of wells are permitted by a given permitting authority)

Date Stamp
Confirmation# 593769
Date: 03/25/2022
Official Use Only

10. *Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022

13. *Estimated Well Depth 30 ft. *Estimated Casing Depth 10 ft. *Primary Casing Diameter 4 in. Open Hole: From 0 To 0 ft.

14. Estimated Screen Interval: From 10 To 30 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 X Sonic
Combination (Two or More Methods) Hand Driven (Well Point, Sand Point) Hydraulic Point (Direct Push)
Horizontal Drilling Plugged by Approved Method Other (Describe)

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From 0 To 8 Seal Material (Bentonite X 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 List number of existing unused wells on site

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. 311766

22. Latitude 305624.8916 Longitude 850412.0914

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 40, Florida Administration 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 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.

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
*Signature of Contractor *License No. *Signature of Owner or Agent *Date

BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval initials

Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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

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: MO-C-304499-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5641NW Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
2. ROW Neals Landing Road, Bascom, FL 32423
3. NEAR 07-6N-08-0000-0040-0000
4.7 Section or Land Grant 6N Township 8W Range Jackson County
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction Repair Modification Abandonment
8. Number of Proposed Wells 1
9. Specify Intended Use(s) of Well(s):
10. Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 70 ft. Estimated Casing Depth 60 ft. Primary Casing Diameter 4 in.
14. Estimated Screen Interval: From 60 To 70 ft.
15. Primary Casing Material: Black Steel Galvanized X PVC Stainless Steel
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 X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site List number of existing unused wells on site
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
22. Latitude 305624.9661 Longitude 850412.0817
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 40, Florida Administration 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 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.
Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
Signature of Contractor License No. Signature of Owner or Agent Date

Date Stamp
Confirmation# 593770
Date: 03/25/2022
Official Use Only

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval [Signature]
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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)

Permit No: MO-C-304500-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5641SE Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. Jackson County 2864 Madison Street Marianna FL 32448 8504829633
*Owner, Legal Name if Corporation *Address *City *State *Zip *Telephone Number

2. ROW Lovedale Road, Bascom, FL 32423
*Well Location - Address, Road Name or Number, City

3. NEAR 32-6N-08-0000-0030-0050
*Parcel ID No. (PIN) or Alternate Key Lot Block Unit

4. 32 6N 8W Jackson
*Section or Land Grant *Township *Range *County Subdivision
Check if 62-524: X Yes No

5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
*Water Well Contractor *License Number *Telephone Number E-mail Address

6. 8820 66th Street North Pinellas Park FL 33782
*Water Well Contractor's Address City State ZIP

7. *Type of Work: X Construction ___ Repair ___ Modification ___ Abandonment
*Reason for Repair, Modification, or Abandonment

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 ___ X 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) ___
Other (Describe) ___ (Note: Not all types of wells are permitted by a given permitting authority)

Date Stamp
Confirmation# 593796
Date: 03/25/2022
Official Use Only

10. *Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022

13. *Estimated Well Depth 45 ft. *Estimated Casing Depth 35 ft. *Primary Casing Diameter 4 in. Open Hole: From 0 To 0 ft.

14. Estimated Screen Interval: From 35 To 45 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 ___ X Sonic
___ Combination (Two or More Methods) ___ Hand Driven (Well Point, Sand Point) ___ Hydraulic Point (Direct Push)
___ Horizontal Drilling ___ Plugged by Approved Method ___ Other (Describe) ___

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From 0 To 33 Seal Material (___ Bentonite ___ X 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 List number of existing unused wells on site

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. 311768

22. Latitude 305248.342 Longitude 850252.6124

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 40, Florida Administration 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 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.

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
*Signature of Contractor *License No. *Signature of Owner or Agent *Date

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval [Signature] initials

Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
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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: MO-C-304501-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5441NW
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. FDOT 1074 Highway 90 East Chipley FL 32428 8506380250
2. ROW Hwy 90, Marianna, FL 32446
3. NEAR 23-4N-09-0000-0040-0040
4. 23 4N 9W Jackson
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction
8. Number of Proposed Wells: 1
9. Specify Intended Use(s) of Well(s):
10. Distance from Septic System if <= 200 ft.
11. Facility Description ROW
12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 60 ft.
14. Estimated Screen Interval: From 40 To 60 ft.
15. Primary Casing Material: PVC
16. Secondary Casing:
17. Secondary Casing Material: PVC
18. Method of Construction, Repair, or Abandonment: Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site
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?
22. Latitude 304405.4123 Longitude 850600.0798
23. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
Signature of Contractor: Gregory W Campbell 2613
Signature of Owner or Agent: Gregory W Campbell 03/25/2022
Approval Granted By: [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval: [Signature]
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.

Date Stamp
Confirmation# 593797
Date: 03/25/2022
Official Use Only



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

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: MO-C-304502-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5441NW Delineation No.
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. FDOT 1074 Highway 90 East Chipley FL 32428 8506380250
2. ROW Highway 90, Marianna, FL 32446
3. NEAR 23-4N-09-0000-0040-0040
4. 23 4N 9W Jackson
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. *Type of Work: X Construction Repair Modification Abandonment
8. *Number of Proposed Wells 1
9. *Specify Intended Use(s) of Well(s):
10. *Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022
13. *Estimated Well Depth 100 ft. *Estimated Casing Depth 90 ft. *Primary Casing Diameter 4 in.
14. Estimated Screen Interval: From 90 To 100 ft.
15. *Primary Casing Material: Galvanized X PVC Stainless Steel
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 X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site List number of existing unused wells on site
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
22. Latitude 304405.3459 Longitude 850559.7129
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 40, Florida Administration 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 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.
Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
Signature of Contractor License No. Signature of Owner or Agent Date
Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval [Signature]
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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

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: MO-C-304506-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5542NE Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. FDOT 1074 Highway 90 East Chipley FL 32428 8506380250
2. ROW Fort Road, Greenwood, FL 32443
3. NEAR 33-6N-09-0000-0200-0000
4. 33 6N 9W Jackson
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction
8. Number of Proposed Wells 1
9. Specify Intended Use(s) of Well(s):
10. Distance from Septic System if <= 200 ft.
11. Facility Description ROW
12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 60 ft.
14. Estimated Screen Interval: From 40 To 60 ft.
15. Primary Casing Material: X PVC
16. Secondary Casing:
17. Secondary Casing Material:
18. Method of Construction, Repair, or Abandonment: X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site
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
22. Latitude 305212.0541 Longitude 850817.5915
23. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

Date Stamp
Confirmation# 593802
Date: 03/25/2022
Official Use Only

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval [Signature]
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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

- 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: MO-C-304507-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5642NE Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. FDOT 1074 Highway 90 East Chipley FL 32428 8506380250
2. ROW 8th Avenue, Bascom, FL 32423
3. NEAR 32-7N-09-0000-0230-0010
4. 32 7N 9W Jackson Subdivision
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction
8. Number of Proposed Wells 1
9. Specify Intended Use(s) of Well(s):
10. Distance from Septic System if <= 200 ft.
11. Facility Description ROW
12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 45 ft.
14. Estimated Screen Interval: From 25 To 45 ft.
15. Primary Casing Material: X PVC
16. Secondary Casing:
17. Secondary Casing Material:
18. Method of Construction, Repair, or Abandonment: X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site
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?
22. Latitude 305725.7304 Longitude 850852.0715
23. Data Obtained From: X Map Survey Datum: X NAD 83
I hereby certify that I will comply with the applicable rules of Title 40, Florida Administration 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 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.

Date Stamp
Confirmation# 593801
Date: 03/25/2022
Official Use Only

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval [Signature]
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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: MO-C-304508-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5541NW Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. FDOT 1074 Highway 90 East Chipley FL 32428 8506380250
*Owner, Legal Name if Corporation *Address *City *State *Zip *Telephone Number

2. ROW Fort Road, Greenwood, FL 32443
*Well Location - Address, Road Name or Number, City

3. NEAR 02-5N-09-0453-00D0-0010
*Parcel ID No. (PIN) or Alternate Key (Circle One) Lot Block Unit

4.2 5N 9W Jackson
*Section or Land Grant *Township *Range *County Subdivision
Check if 62-524: X Yes No

5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
*Water Well Contractor *License Number *Telephone Number E-mail Address

6. 8820 66th Street North Pinellas Park FL 33782
*Water Well Contractor's Address City State ZIP

7. *Type of Work: X Construction Repair Modification Abandonment
*Reason for Repair, Modification, or Abandonment

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 X 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)
Other (Describe) (Note: Not all types of wells are permitted by a given permitting authority)

Date Stamp
Confirmation# 593800
Date: 03/25/2022
Official Use Only

10. *Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022

13. *Estimated Well Depth 85 ft. *Estimated Casing Depth 75 ft. *Primary Casing Diameter 4 in. Open Hole: From To ft.

14. Estimated Screen Interval: From 75 To 85 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 X Sonic
Combination (Two or More Methods) Hand Driven (Well Point, Sand Point) Hydraulic Point (Direct Push)
Horizontal Drilling Plugged by Approved Method Other (Describe)

19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
From 0 To 73 Seal Material (Bentonite X 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 List number of existing unused wells on site

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. 311774

22. Latitude 305134.6764 Longitude 850600.3284

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 40, Florida Administration 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 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.

Gregory W Campbell 2613 Gregory W Campbell 03/25/2022
*Signature of Contractor *License No. *Signature of Owner or Agent *Date

BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval initials

Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.



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

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: MO-C-304509-1
Florida Unique ID
Permit Stipulations Required (See Attached)
62-524 Quad No. 5541NW Delineation No. 32263744
CUP/WUP Application No.
ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. FDOT 1074 Highway 90 East Chipley FL 32428 8506380250
2. ROW Fort Road, Greenwood, FL 32443
3. NEAR 02-5N-09-0453-00D0-0010
4.2 Section or Land Grant 5N Township 9W Range Jackson County
5. Gregory W Campbell 2613 7275617477 shannon@pdsflorida.com
6. 8820 66th Street North Pinellas Park FL 33782
7. Type of Work: X Construction Repair Modification Abandonment
8. Number of Proposed Wells 1
9. Specify Intended Use(s) of Well(s):
10. Distance from Septic System if <= 200 ft. 11. Facility Description ROW 12. Estimated Start Date 03/28/2022
13. Estimated Well Depth 45 ft. Estimated Casing Depth 25 ft. Primary Casing Diameter 4 in. Open Hole: From To ft.
14. Estimated Screen Interval: From 25 To 45 ft.
15. Primary Casing Material: Black Steel Galvanized X PVC Stainless Steel
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 X Sonic
19. Proposed Grouting Interval for the Primary, Secondary, and Additional Casing:
20. Indicate total number of existing wells on site List number of existing unused wells on site
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
22. Latitude 305134.7759 Longitude 850600.6181
23. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

Date Stamp
Confirmation# 593799
Date: 03/25/2022
Official Use Only

Approval Granted By [Signature] Issue Date 03/25/2022 Expiration Date 06/23/2022 Hydrologist Approval initials
Fee Received \$ 30 Receipt No. 191309 Check No. OnLine-02743G-593888
THIS PERMIT IS NOT VALID UNTIL PROPERLY SIGNED BY AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD OR DELEGATED AUTHORITY. THE PERMIT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL CONSTRUCTION, MODIFICATION, OR ABANDONMENT ACTIVITIES.

Attachment B

Well Completion Reports



STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597820
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304491-1 *CUP/WUP Number *DID Number 311742 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Jackson County 4.*Completion Date 04/19/2022 5. Florida Unique ID
6. ROW Blue Springs Highway, Marianna, FL 32446
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 31 Land Grant *Township 5N *Range 9W
8. Latitude 304721.404 Longitude 850959.2147
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
10.*Type of Work: X Construction Repair Modification Abandonment Reason:
11.*Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X 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)
Other (Describe)
12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13.*Measured Static Water Level 67.71 ft. Measured Pumping Water Level ft. After Hours at GPM
14.*Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15.*Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16.*Total Well Depth 88 ft. Cased Depth 68 ft. *Open Hole: From To ft. *Screen: From 68 To 88 ft. Slot Size
17.*Abandonment:
Other(Explain)
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
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 4 in. From 0 ft. To 64 ft. No. of Bags 8 Seal Material (Check One): X 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 Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler
(I certify that the information provided in this report is accurate and true.)



STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597817
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304507-1 *CUP/WUP Number *DID Number 311773 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name FDOT 4.*Completion Date 04/15/2022 5. Florida Unique ID
6. ROW 8th Avenue, Bascom, FL 32423
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 32 Land Grant *Township 7N *Range 9W
8. Latitude 305725.7304 Longitude 850852.0715
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
10.*Type of Work: X Construction Repair Modification Abandonment Reason:
11.*Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Livestock X 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)
Other (Describe)
12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13.*Measured Static Water Level 22.39 ft. Measured Pumping Water Level ft. After Hours at GPM
14.*Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15.*Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16.*Total Well Depth 51 ft. Cased Depth 31 ft. *Open Hole: From To ft. *Screen: From 31 To 51 ft. Slot Size
17.*Abandonment: Other(Explain)
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
19.*Primary Casing Diameter and Depth:
Dia 4 in. From 0 ft. To 27 ft. No. of Bags 4 Seal Material (Check One): X 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
21.*Telescope Casing Diameter and Depth:
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 23. Chemical Analysis (When Required):
Horsepower Pump Capacity (GPM) Iron ppm Sulfate ppm Chloride ppm
Pump Depth ft. Intake Depth ft. Laboratory Test Field Test Kit
24. Water Well Contractor:
*Contractor Name Gregory W Campbell *License Number 2613 E-mail shannon@pdsflorida.com
Address
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler
(I certify that the information provided in this report is accurate and true.)

*Detailed Site Map of Well Location





STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597818
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304500-1 *CUP/WUP Number *DID Number 311768 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Jackson County 4.*Completion Date 04/15/2022 5. Florida Unique ID
6. ROW Lovedale Road, Bascom, FL 32423
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 32 Land Grant *Township 6N *Range 8W
8. Latitude 305248.342 Longitude 850252.6124
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
10.*Type of Work: X Construction Repair Modification Abandonment Reason:
11.*Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X 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)
Other (Describe)
12.*Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13.*Measured Static Water Level 17.19 ft. Measured Pumping Water Level ft. After Hours at GPM
14.*Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15.*Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16.*Total Well Depth 67 ft. Cased Depth 47 ft. *Open Hole: From To ft. *Screen: From 47 To 67 ft. Slot Size
Other(Explain)
17.*Abandonment:
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
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 4 in. From 0 ft. To 43 ft. No. of Bags 5 Seal Material (Check One): X 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 23. Chemical Analysis (When Required):
Iron ppm Sulfate ppm Chloride ppm
Horsepower Pump Capacity (GPM)
Pump Depth ft. Intake Depth ft. Laboratory Test Field Test Kit
24. Water Well Contractor:
*Contractor Name Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler
(certify that the information provided in this report is accurate and true.)

*Detailed Site Map of Well Location





STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597816
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304494-1 *CUP/WUP Number *DID Number 311745 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Jackson County 4.*Completion Date 04/14/2022 5. Florida Unique ID
6. ROW Hartsfield Road, Greenwood, FL 32443
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 20 Land Grant *Township 5N *Range 8W
8. Latitude 304923.072 Longitude 850319.3554
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X 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)
Other (Describe)

12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 23.89 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 70 ft. Cased Depth 50 ft. *Open Hole: From To ft. *Screen: From 50 To 70 ft. Slot Size

17. *Abandonment:
Other(Explain)
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
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 4 in. From 0 ft. To 46 ft. No. of Bags 6 Seal Material (Check One): X 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 Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler

*Detailed Site Map of Well Location





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 Confirmation# 597814 Date:05/18/2022 Official Use Only

1. *Permit Number MO-C-304498-1 *CUP/WUP Number *DID Number 311766 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Jackson County 4.*Completion Date 04/12/2022 5. Florida Unique ID
6. ROW Neals Landing Road, Bascom, FL 32423 *Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 7 Land Grant *Township 6N *Range 8W
8. Latitude 305624.8916 Longitude 850412.0914
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s): Domestic Landscape Irrigation Agricultural Irrigation Site Investigation Bottled Water Supply Recreation Area Irrigation Livestock X Monitoring Test Nursery Irrigation Commercial/Industrial Earth-Coupled Geothermal Public Water Supply (Limited Use/DOH) Golf Course Irrigation HVAC Supply Public Water Supply (Community or Non-Community/DEP) Class I Injection HVAC Return Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage Remediation: Recovery Air Sparge Other (Describe) Other (Describe)
12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 27.13 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 46 ft. Cased Depth 26 ft. *Open Hole: From To ft. *Screen: From 26 To 46 ft. Slot Size
17. *Abandonment: Other(Explain) 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
19. *Primary Casing Diameter and Depth: Dia 4 in. From 0 ft. To 22 ft. No. of Bags 4 Seal Material (Check One): X 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
21. *Telescope Casing Diameter and Depth: 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 23. Chemical Analysis (When Required): Iron ppm Sulfate ppm Chloride ppm Horsepower Pump Capacity (GPM) Pump Depth ft. Intake Depth ft. Laboratory Test Field Test Kit
24. Water Well Contractor: *Contractor Name Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com *Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler

*Detailed Site Map of Well Location





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 Confirmation# 597815 Date:05/18/2022 Official Use Only

1. *Permit Number MO-C-304492-1 *CUP/WUP Number *DID Number 311743 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Jackson County 4. *Completion Date 04/12/2022 5. Florida Unique ID
6. ROW Hartsfield Road, Greenwood, FL 32443 *Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 20 Land Grant *Township 5N *Range 8W
8. Latitude 304922.8689 Longitude 850318.7181
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s): Domestic Landscape Irrigation Agricultural Irrigation Site Investigation Bottled Water Supply Recreation Area Irrigation Livestock X Monitoring Test Public Water Supply (Limited Use/DOH) Nursery Irrigation Commercial/Industrial Earth-Coupled Geothermal Public Water Supply (Community or Non-Community/DEP) Golf Course Irrigation HVAC Supply Class I Injection HVAC Return Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage Remediation: Recovery Air Sparge Other (Describe) Other (Describe)
12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 23.72 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 110 ft. Cased Depth 100 ft. *Open Hole: From To ft. *Screen: From 100 To 110 ft. Slot Size
17. *Abandonment: Other(Explain) 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
19. *Primary Casing Diameter and Depth: Dia 4 in. From 0 ft. To 96 ft. No. of Bags 12 Seal Material (Check One): X 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
21. *Telescope Casing Diameter and Depth: 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 23. Chemical Analysis (When Required): Iron ppm Sulfate ppm Chloride ppm Horsepower Pump Capacity (GPM) Pump Depth ft. Intake Depth ft. Laboratory Test Field Test Kit
24. Water Well Contractor: *Contractor Name Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com *Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler

*Detailed Site Map of Well Location





STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597812
Date: 05/18/2022
Official Use Only

1. *Permit Number MO-C-304499-1 *CUP/WUP Number *DID Number 311767 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Jackson County 4.*Completion Date 04/11/2022 5. Florida Unique ID
6. ROW Neals Landing Road, Bascom, FL 32423
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 7 Land Grant *Township 6N *Range 8W
8. Latitude 305624.9661 Longitude 850412.0817
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X 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)
Other (Describe)

12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 24.23 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 86 ft. Cased Depth 76 ft. *Open Hole: From To ft. *Screen: From 76 To 86 ft. Slot Size

17. *Abandonment:
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
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 4 in. From 0 ft. To 74 ft. No. of Bags 10 Seal Material (Check One): X 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 Gregory W Campbell *License Number 2613 E-mail shannon@pdsflorida.com
Address
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler
(I certify that the information provided in this report is accurate and true.)

*Detailed Site Map of Well Location





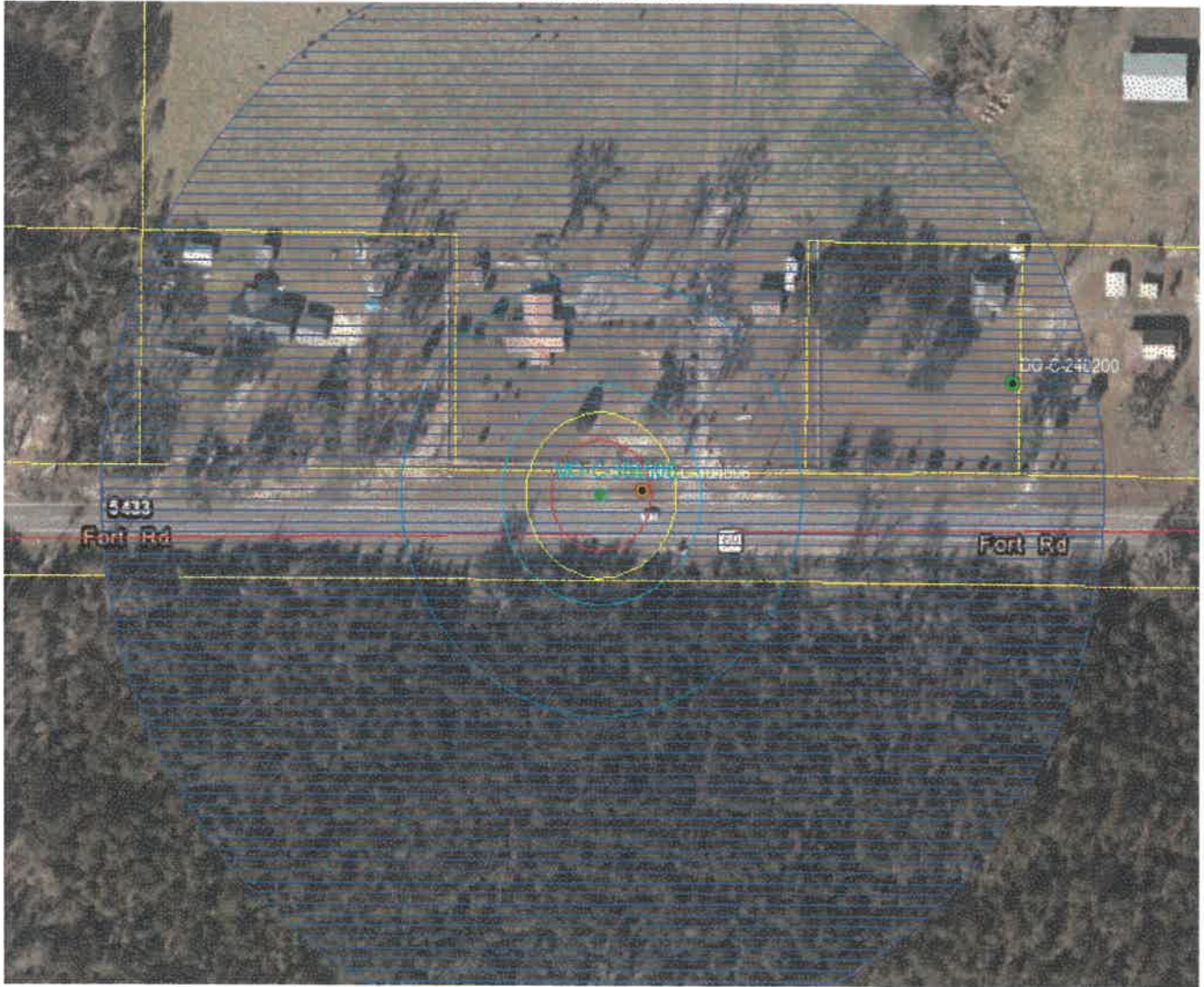
STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597810
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304506-1 *CUP/WUP Number *DID Number 311772 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name FDOT 4.*Completion Date 04/07/2022 5. Florida Unique ID
6. ROW Ford Road, Greenwood, FL 32443
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 33 Land Grant *Township 6N *Range 9W
8. Latitude 305212.0355 Longitude 850818.0791
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X 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)
Other (Describe)
12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 42.87 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 58 ft. Cased Depth 38 ft. *Open Hole: From To ft. *Screen: From 38 To 58 ft. Slot Size
17. *Abandonment:
Other(Explain)
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
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 4 in. From 0 ft. To 34 ft. No. of Bags 6 Seal Material (Check One): X 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 Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler
(I certify that the information provided in this report is accurate and true.)

*Detailed Site Map of Well Location





STATE OF FLORIDA WELL COMPLETION REPORT

PLEASE, FILL OUT ALL APPLICABLE FIELDS (*Denotes Required Fields Where Applicable)

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

Date Stamp
Confirmation# 597806
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304501-1 *CUP/WUP Number *DID Number 311769 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 FDOT 4.*Completion Date 04/05/2022 5. Florida Unique ID
6. ROW Hwy 90, Marianna, FL 32446
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 23 Land Grant *Township 4N *Range 9W
8. Latitude 304405.4123 Longitude 850600.0798
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X 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)
Other (Describe)

12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 21.94 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 68 ft. Cased Depth 58 ft. *Open Hole: From To ft. *Screen: From 58 To 68 ft. Slot Size

17. *Abandonment: Other(Explain)
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
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 4 in. From 0 ft. To 44 ft. No. of Bags 7 Seal Material (Check One): X 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 23. Chemical Analysis (When Required): Iron ppm Sulfate ppm Chloride ppm
Horsepower Pump Capacity (GPM)
Pump Depth ft. Intake Depth ft. Laboratory Test Field Test Kit

24. Water Well Contractor:
*Contractor Name Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler
(I certify that the information provided in this report is accurate and true.)

*Detailed Site Map of Well Location





STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597809
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304509-1 *CUP/WUP Number *DID Number 311775 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name FDOT 4.*Completion Date 04/06/2022 5. Florida Unique ID
6. ROW Fort Road, Greenwood, FL 32443
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 2 Land Grant *Township 5N *Range 9W
8. Latitude 305134.7759 Longitude 850600.6181
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Recreation Area Irrigation Livestock X 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)
Other (Describe)

12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 38.76 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 48 ft. Cased Depth 38 ft. *Open Hole: From To ft. *Screen: From 38 To 48 ft. Slot Size

17. *Abandonment: Other(Explain)
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
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 4 in. From 0 ft. To 36 ft. No. of Bags 14 Seal Material (Check One): X 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 Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler
(I certify that the information provided in this report is accurate and true.)

***Detailed Site Map of Well Location**





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 Confirmation# 597801 Date:05/18/2022 Official Use Only

1. *Permit Number MO-C-304502-1 *CUP/WUP Number *DID Number 311770 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 FDOT 4. *Completion Date 04/04/2022 5. Florida Unique ID 6. ROW Highway 90, Marianna, FL 32446 *Well Location - Address, Road Name or Number, City, ZIP 7. *County Jackson *Section 23 Land Grant *Township 4N *Range 9W 8. Latitude 304405.3459 Longitude 850559.7129 9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84 10. *Type of Work: X Construction Repair Modification Abandonment Reason: 11. *Specify Intended Use(s) of Well(s): Domestic Landscape Irrigation Agricultural Irrigation Site Investigation Bottled Water Supply Recreation Area Irrigation Livestock X Monitoring Test Public Water Supply (Limited Use/DOH) Nursery Irrigation Commercial/Industrial Earth-Coupled Geothermal Public Water Supply (Community or Non-Community/DEP) Golf Course Irrigation HVAC Supply Class I Injection HVAC Return Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage Remediation: Recovery Air Sparge Other (Describe) Other (Describe) 12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic Horizontal Drilling Hydraulic Point (Direct Push) Other 13. *Measured Static Water Level 54.51 ft. Measured Pumping Water Level ft. After Hours at GPM 14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No 15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other 16. *Total Well Depth 108 ft. Cased Depth 98 ft. *Open Hole: From To ft. *Screen: From 98 To 108 ft. Slot Size .01 Other(Explain) 17. *Abandonment: 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 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 4 in. From 0 ft. To 94 ft. No. of Bags 15 Seal Material (Check One): X 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 Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com *Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler (I certify that the information provided in this report is accurate and true.)



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 Confirmation# 597803 Date:05/18/2022 Official Use Only

1. *Permit Number MO-C-304497-1 *CUP/WUP Number *DID Number 311765 62-524 Delineation No. 32263744
2. *Number of permitted wells constructed, repaired, or abandoned 1 *Number of permitted wells not constructed, repaired, or abandoned 0
3. *Owner's Name Jackson County 4.*Completion Date 04/01/2022 5. Florida Unique ID
6. ROW Hartsfield Road, Greenwood, FL 32443 *Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 22 Land Grant *Township 5N *Range 9W
8. Latitude 304932.8958 Longitude 850646.72
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84
10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s): Domestic Landscape Irrigation Agricultural Irrigation Site Investigation Bottled Water Supply Recreation Area Irrigation Livestock X Monitoring Test Nursery Irrigation Commercial/Industrial Earth-Coupled Geothermal Public Water Supply (Limited Use/DOH) Golf Course Irrigation HVAC Supply Class I Injection HVAC Return Class V Injection: Recharge Commercial/Industrial Disposal Aquifer Storage and Recovery Drainage Remediation: Recovery Air Sparge Other (Describe) Other (Describe)
12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 34.41 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground Surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 59 ft. Cased Depth 39 ft. *Open Hole: From To ft. *Screen: From 39 To 59 ft. Slot Size
17. *Abandonment: Other(Explain) 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
19. *Primary Casing Diameter and Depth: Dia 4 in. From 0 ft. To 35 ft. No. of Bags 7 Seal Material (Check One): X 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
21. *Telescope Casing Diameter and Depth: 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 23. Chemical Analysis (When Required): Iron ppm Sulfate ppm Chloride ppm Horsepower Pump Capacity (GPM) Pump Depth ft. Intake Depth ft. Laboratory Test Field Test Kit
24. Water Well Contractor: *Contractor Name Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com *Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler

Detailed Site Map of Well Location





STATE OF FLORIDA WELL COMPLETION REPORT

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

Date Stamp
Confirmation# 597799
Date:05/18/2022
Official Use Only

1. *Permit Number MO-C-304493-1 *CUP/WUP Number *DID Number 311744 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 Jackson County 4.*Completion Date 03/30/2022 5. Florida Unique ID
6. ROW Apalachee Trail, Marianna, FL 32446
*Well Location - Address, Road Name or Number, City, ZIP
7. *County Jackson *Section 7 Land Grant *Township 4N *Range 9W
8. Latitude 304558.2777 Longitude 850959.5745
9. Data Obtained From: GPS X Map Survey Datum: NAD 27 X NAD 83 WGS 84

10. *Type of Work: X Construction Repair Modification Abandonment Reason:
11. *Specify Intended Use(s) of Well(s):
Domestic Landscape Irrigation Agricultural Irrigation Site Investigation
Bottled Water Supply Livestock X Monitoring
Public Water Supply (Limited Use/DOH) Recreation Area Irrigation 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)
Other (Describe)

12. *Drill Method: Auger Cable Tool Rotary Combination (Two or More Methods) Jetted X Sonic
Horizontal Drilling Hydraulic Point (Direct Push) Other
13. *Measured Static Water Level 15.76 ft. Measured Pumping Water Level ft. After Hours at GPM
14. *Measuring Point (Describe) Ground surface Which is ft. Above Below Land Surface *Flowing: Yes X No
15. *Casing Material: Black Steel Galvanized X PVC Stainless Steel Not Cased Other
16. *Total Well Depth 93 ft. Cased Depth 73 ft. *Open Hole: From To ft. *Screen: From 73 To 93 ft. Slot Size .01

17. *Abandonment: Other(Explain)
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 4 in. From 0 ft. To 69 ft. No. of Bags 13 Seal Material (Check One): X 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 Gregory W Campbell *License Number 2613 E-mail Address shannon@pdsflorida.com
*Contractor's Signature Gregory W Campbell *Driller's Name (Print or Type) Kent Fowler

Detailed Site Map of Well Location



wood.

Attachment C

Wood Field Notes

Non nested 20' screen

Nested Deep 10' screen
Surficial 20' screen

CONTENTS

PAGE	REFERENCE	actual	DATE
1.00			
GWM-2	75-95	73-93	3/30/22
GWM-5S	31-51	31-51	4/1/22
GWM-5D	81-91	89-99	3/31/22
GWM-3S	62-82	48-68	4/5/22
GWM-3D	112-122	98-108	4/4/22
WMP-69(588)	41-61	28-48	4/6/22
GWM-C	41-61	38-58	4/7/22
GWM-7	31-51	31-51	4/15/22
GWM-6S	31-51	26-46	4/12/22
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GWM-4S	50-70	50-70	4/14/22
GWM-4D	100-110	100-110	4/14/22
GWM-1	75-95	66-86	4/14/22
GWM-8	36-56	57-77 47-67	4/18/22

Jackson Blue

3/12/22

0830 C Payne and Celestine Job from office in 2019 Transit and PV

0940 C Payne and Celestine onsite in 2019 Transit and PV. Setup NOT Signs on site setup.

1000 Kent (Driller), Mat, Garret (PDS) on site in Semi/trailer, 1 HD truck/trailer, Flat bed, Geoprobe 8150LS

1020 Lance (PDS) on site with HD truck/trailer, bob cat, HOS topics

- food hazards
- utilities in right of way
- heat

Weather: 82°F 2% COR
Goal: Instal GWM-2
Mike (FREP) on site in Truck

1044 Begin hand clearing GWM-2 to 5'

1059 Waterline found while hand clearing. Stopout 5'

1104 Hand cleared to 5'. Begin setup to advance rods

1110 Begin advancing 4" rods

4 Location Jackson Blue Date 3/28/22

Project / Client _____

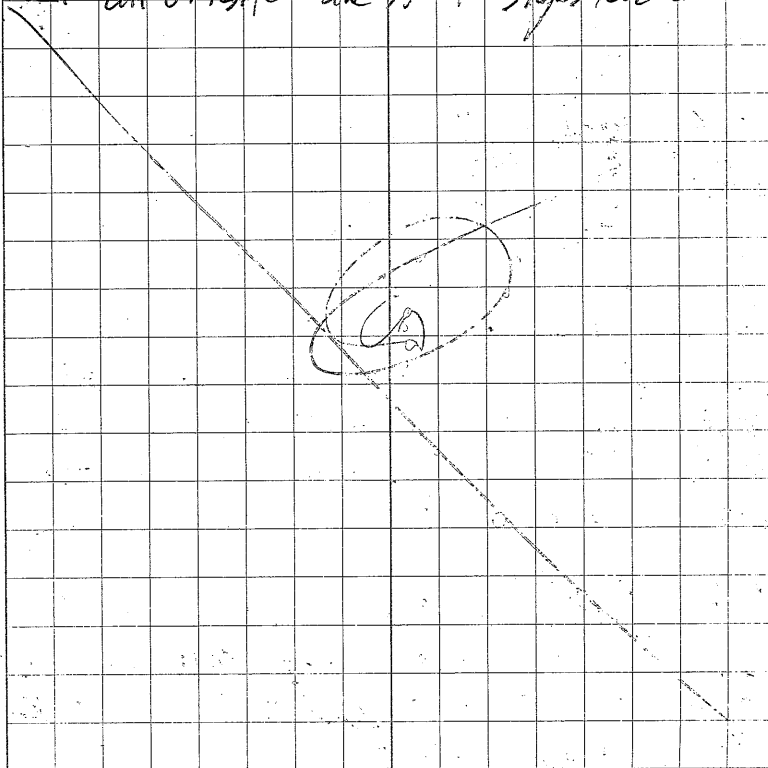
GWM-2

- Dept Rec
- 0-5 Sand, f, tan, dr, no odor
- 5-10 Sand, f, tan, dry, no odor / Crushed Limestone @ 6'
- 10-18 Sand, f, orange, tan, 75', dry, no odor
- 15-20 Sand, f, orange, tan, moist, no odor
- 20-25 Clayey Sand, f, grey, orange, moist, no odor / Sandy clay, f, grey, moist, no odor @ 24-25' high plasticity.
- 25-30 Sand, f, tan, wet, no odor
- 30-35 Sand, f, grey, wet, no odor
- 35-40 Sand, M-C Sand, yellowish orange, wet, no odor
- 40-45 Clay, vf, orange, dry, no odor, hard / brittle
- 45-50 Crushed limestone, M-course, grey, dry, no odor
- 50-55 Clay, vf, Dark Grey/Black, dry, no odor
- 55-60 Clay, vf, Dark Grey/Black, dry, no odor
- 60-65 Silty clay, vf, Dark Grey, dry, no odor
- 65-70 Crushed Limestone, vf, chilles, dry, no odor
- 70-75 Clay, vf, Dark Grey, dry, no odor to 72' / Crushed Limestone, white, f, gravelly, dry, no odor
- 75-80 Sandy silt, vf, f, yellowish grey, Saturated, no odor

5 Location Jacks Blue Date 3/28/22

Project / Client _____

- 1120 Rig operating with decreased HP
- Begin trouble shooting with Geoprobe
- 1512 Rig not operating. 1. Begin loading equipment per PM guidance. Mike (FRED) off site @ 1330
- 1520 Celeste off site
- 1600 Equipment loaded
- 1621 all off site and MOT signs loaded.



Rite in the Rain

1242 C. Payne onsite begin setting up
1251 C. Payne onsite in 2019 Transit
Mat Lance and Garret (PPS) on site
with 2X HD Truck / Trailers,
and flatbed Truck
Mike (FDEP) on site in truck.
H&S Meeting Topics

- Road Hazards
- Wind / Storm
- Hydration

Weather: 82°F 0%COR 20mph wind
Goal: Install R-2

1400 Kent (PPS) on site in Sem/trailer
and Geoprobe 850LS.

1422 Rig setup on R-2 Begin advancing
4" rods. Description on pg. 4.

1600/1500 Begin advancing 6" rods

1600 Mike (FDEP) off site

1619 located ~~off~~ suspected aquifer. Call PM
and Rpn. W. (Wood).

Ron advise screen to 93' and if saturation
continues. OK. to set well.

1639 No returns to 80-93' due to formation
begin advancing 8" rods to 93'.

Continued **GWM-2**

Depth Desc.

80-85
85-93 No returns
Eng boring log 1639
17178 rods @ 93' Begin installing Tremmie pipe
and 4" well

GWM-2

73 - 93 4" x 20' sch 40 PVC 2.010 slot
0 - 73 4" x 73' sch 40 PVC riser
71 - 93 20/30 Sand: ~~|||||~~ |||
69 - 71 30/65 fine sand: |
0 - 69 Port / end of ~~gravel~~ Comment (grout)? ~~|||||~~ |||
Bentonite Chips: ||||

1732 Begin installing sand pack

1600 Begin development

GWM-2

DTW 15.76 DTW 86.12
Start 1805 End 1900
NTU > 1000 NTU > 1000
Color / odor white / no color / odor white / cloudy / clear
cont ~ 77 gal
1.4 gpm

Location Jackson Blue Date 3/30/22

Project / Client _____

- 1900 Inform PM/HR development and
purge water is still muddy.
Plan confirmed to grout and pad
and cease development. Due to
a large storm board for site
overnight, so the bore hole will
not be open. Development will
be completed at a later date.
Begin installing / prep to grout
- 1911 Begin pressure grouting
- 1927 grout to surface begin pulling / decom
rods,
- 1957 Begin loading equipment
- 2005 Begin padding / rebar and 12" manholes
- 2047 padding complete ~~pl~~ continue seed
and hay. Kent off site
- 2109 Begin loading DOT Signs
- 2116 all off site.

Location Jackson Blue Date 3/31/22 9

Project / Client _____

- 0651 mob from office to site.
- 0810 C. Payne on site in 2014 Transit.
Deploy MOT signs
- 0846 Lance and Matt on site (PPS)
with 2X HD Trucks and 2 trailers
H&S meeting
 - road hazard
 - storm
 - PPE
- Confirmation from Ron and PM to
install deep well first as to not
have to drill past the shallow well
screen.
- 0906 Begin unloading equipment.
Kent (driller) delay due to an
unknown weight restriction on road
to site.
- 0929 Kent (driller) PPS on site
Garret (PPS) on site.
H&S recap.
- 0940 begin hand clearing GWM-5 D to 6'
- 0959 ~~6'~~ GWM-5 D hand cleared to 6'
Begin setting sig.
- 1015 Begin advancing 4" rods to 91'

Rate in the Rain

Location Jackson Blue

Date 3/31/22

Project / Client

GWM-50

111

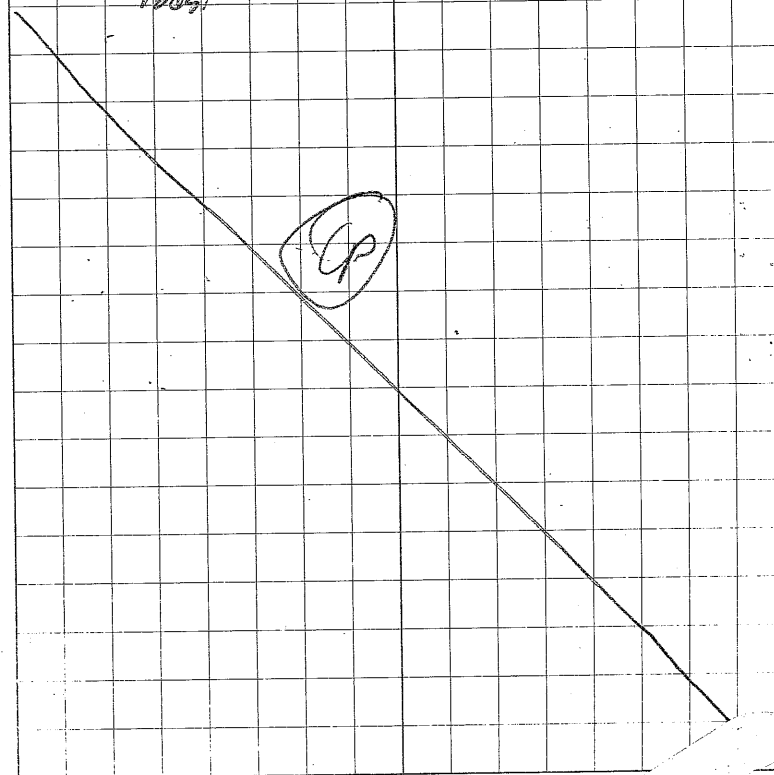
Depth	Desc
0-1	Sand, F-M, Dark brown, dry, no odor
1-2	Sand, F-M, Dark brown, dry, no odor
2-3	Loam, VF-M, orange, dry, no odor
3-4	Loam, VF-M, orange, dry, no odor
4-5	Loam, VF-M, orange, dry, no odor
5-10	SAA to 6.5' then silty clay, VF-f, orange/gray silt moist, no odor, Low. no plasticity, little ^{white}
10-15	Clay, VF, gray/red, moist, no odor
15-20	Sandy clay, VF-f, gray/red/orange, moist no odor
20-25	Sand, M-f, tanish orange, moist, no odor
25-30	Sandy clay/clayey sand, M-f, moist, ^{orange} no odor
30-35	Sandy, silty, clay, VF-f, moist, no odor, pink/grey
35-40	SAA
40-45	SAA except tan/orange to 40.8' then silty sand/crushed lime stone, VF-coarse, white, saturated, no odor
45-50	Silty clayey sand/crushed limestone, VF-coarse white, saturated, no odor
50-55	Silty sand/clay fed limestone, VF-globular white, saturated, no odor
55-60	Clayey silty sand/crushed lime stone, sat, white no odor

Location Jackson Blue

Date 3/31/22

Project / Client

- 10⁴² Begin advancing 6" rods.
- 11²² Spoke with Ron about lithology.
Decided to set GWM-55 @ 39-59'
and GWM-50 @ 99 pending PM
approval. Continue advancing rods for screening
- 11⁴⁰ PM approve GWM-50 to 89-99'
Screen. Continue advancing 6" and 4" rods.



note in the Rain

Location Jackson Blue

Date 3/31/22

Project / Client

Continued GWM-50

Depth	Desc.
62-65	Sand/crushed shells, m-f, tan/orange, sat, no odor.
65-70	Crushed limestone, vf-mgravel, sat, no odor.
70-75	SAA
75-84	SAA
85-88	SAA
85-90	Crushed limestone, vf-mgravel, sat, no odor.
90-95	SAA
95-100	SAA
1211	End of Boring Log.
1215	Break for lunch.
1240	Mike (FREP) on site.
1255	Begin advancing 8" rods and
1321	Begin removing 6" rods
1332	Begin installing Tremmie pipe
1336	Begin Well Install Pg 13.

Jackson Blue

Date 3/31/22 13

Project / Client

GWM-50

89-99	4" x 10' Sch 40 PVC 0010 slot
0-89	4" x 89' Sch 40 PVC riser
87-89	20/90 sand:
85-87	30/165 fine sand
0-85	Portland Cement (grout) =
	Biton re chips:

GWM-50

Start 1420	Stop 1451
DTW 34.61	DTW 35.82
NTU > 1000	NTU 1464
Color/odor tan/none	color/odor clear/none
1,70 PM	~ 53

- Begin preparing to grout.
- 1506 Begin pressure grouting via tremmie pipe
- 1517 Grout to surface begin pulling rods
- 1526 rods out. Begin prep to pad.
- 1548 Begin topping off grout.
- 1604 Begin probing
- 1642 Begin site clean up weed and yard.
- 1730 Finish loading equipment.
- 1739 all off site.

Rite. re Rain

Jackson Blue

4/1/22

0645 C. Payne mob from office to GWM-2 to check DTW for development

0750 C. Payne on site in 2019 Transit DTW 71.14 on GWM-2 mob to GWM-55

0815 C. Payne on site GWM-55
Weather: 74°F 3% COR
Goal: Install GWM-55
Lance Garret, Kent called onsite.
IHD. Truck/Trailer, Semi/Trailer,
Flatbed Truck, Bobcat and backhoe 85615 onsite.

H&S Meeting topic.

- Load hazards

- PPE

- Hydration

Mat not on site, Mat has the post hole tool so hand clearing cannot happen till

Matt arrives

0948 Matt on site IT&S recap begin post hole hand clearing to 5'

1001 Hand clearing to 5' complete. Begin setting up drill rig

Jackson Blue

4/1/22

GWM-55	
Depth	Desc
0-5	Loam ^{2/3} Sand ^{1/3} VF M, Dark brown-orange, M, N-C
5-10	Loam, VF-M Drainage, M, No odor to 5' then silty clay, VF-M, orange/red/gray moist nodules
10-15	clay, VF, gray/red, moist, no odor Low plasticity
15-20	clay, VF, gray/red, moist, no odor M, NO
20-25	Sandy Clay, VF-F, gray/red/orange Low plasticity
25-30	Sandy Clay, VF-F, gray/red/orange Low plasticity stiff, no odor
30-35	Sandy silty clay, VF-F, Moist, no odor, Dark gray High plasticity, medium soft,
35-40	SAT
40-50	no returns
50-55	Silty Sand/crushed limestone, VF- ^{Moist} Loam ^{Loam} Sand White/tan, saturated
55-60	SAT

Location Jackson Blue Date 4/1/22

Project / Client _____

- 1009 Begin advancing 4" rods to 59'
 1108 Logging complete. Contact Ron and
 P.M. Well decided to set @ 39'-59'
 Begin advancing 9" rods to 59'
 1145 Begin Well install

GW-55

39-59 2 4" x 20' sch 40 PVC annulet
 0-39 4" x 39' sch 40 PVC riser
 37-59 20/30 Sand: ~~1/4" #11~~
 35-37 30/60 fine sand:
 0-35 Portland Cement (grout);

GW-58

Start	1220	Stop	1230
NTW	34.41	NTW	35.10
color/dbr	tan/none	color/dbr	clear/none
NTU	>1000	NTU	81.2
cont		~	120

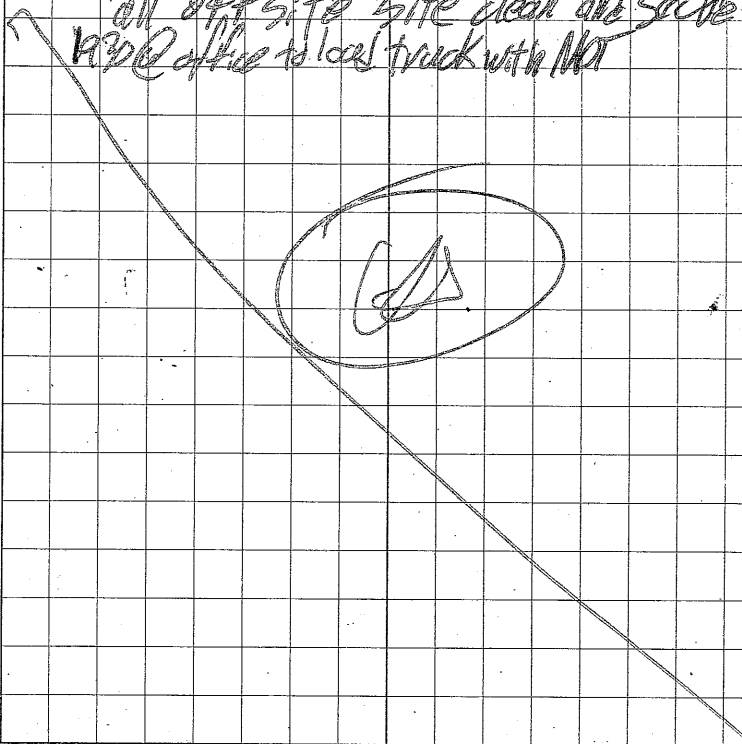
GPM 1.7

- 1330 Mat (PMS) mob to GWM-2 to complete
 developments
 Begin pressure grouting via tremie pipe
 1339 Grout to surface. Begin pulling rods

Location Jackson Blue Date 4/1/22 17

Project / Client _____

- 1415 man hole cover was not loaded this AM
 Corbett off site for material.
 1622 Corbett back on site with manhole
 finish padding.
 1652 Begin loading equipment.
 1708 mob to GWM-2 for development
 1817 purge log mud still call P.M. and
 Ron
 all off site site clean and secure
 1830 @ office to local truck with MAT



Location Jackson Blue Date 4/4/22

Project / Client _____

0800 A. Horne onsite in HA Truck
 0820 PDS onsite
 Flat Bed Semi
 HD truck w/ Flat Bed x2
 Flat Bed truck
 Bob cat
 Kent (Driller), Lance / Matt /
 Chris (Helpers)
 weather: clear, high 80°
 GOAL: At location Gmw-3
 Install 2 wells, not setup
 Deep: TD: 122', screen 112'-122'
 Shallow: 82', screen 62'-82'
 Begin with deep well

0830 H-S meeting
 - not stay 15' off ROW
 - utilities, OH elec / ug comm
 - hydration

0835 Set up on deep Gmw-3
 location

0850 Begin HA to 5'
 5' clear

0910 Begin advancing the rods
 4" to 122' bis

Location Jackson Blue Date 4/4/22

Project / Client _____

Depth	Desc
0-1	Sand, fine, brownish orange dry
1-2	SAA
2-3	SAA
3-4	SAA
4-5	SAA
5-10	Sand, fine, tan/orange, dry
10-15	Sand, fine, tan/orange, dry
15-20	17-20' sand, fine, tan/ orange/gray layering, compacted, w/ some clay, calc. sc, moist
* 20-25	clay, vf pinkish white, stiff dry layering with sand, fine, pinkish white/orange dry, moist ~ 1" layers
25-30	SAA
* 30-35	layering sandy clay and sand, fine to vf, gray/ orange, stiff clay, moist to wet

Rite in the Rain

Location Jackson Blue

Date 4/4/22

Project / Client

0940 Begin adding 6" and water at 30'

1000 Continue advancing 4" rods at 60'

1120 Mike (FDEP) onsite HD TRUCK

1205 Mike (FDEP) offsite

1230 A. Harne offsite

Backlog 1140 Z. Larson (wood) onsite in 2015 Transit

38

Location Jackson Blue

Date 4/4/22

Project / Client

LOC	Depth	Description
	5-20	5mw-3D Deep cont
		JESC
35-40		Silty sandy clay, vf, brown, gray, stiff, gravel, ^{limestone frags}
40-45	40-41	clay, vf, brown, soft, moist
	41-43	sands, fine to coarse, orange/tan/gray, quartz grains, wet
	43-45	clay, vf, w/ ^{limestone frags} gravel, small to large, tan, gray, moist
45-50	45-48	clay, vf, tan, stiff, dry
	48-50	clay, vf, gray, stiff, dry, hard
50-55		clay, limestone, vf, crushed, gray, small to large frags, sat
55-60		clay, vf, stiff gray, stiff, wet
	55-56'	clay, limestone, vf, crushed, gray, small to large, frags, sat
	56-58'	clay, vf, gray, soft to stiff, wet to moist
	58-60'	clay, vf, gray, stiff, brittle, dry

Location Jackson Blue Date 4/4/22

Project / Client _____

Loc	DESC
65-70	GMW-3D cont clay, gray, dry, stiff limestone, crushed, white, dry 66-67' limestone, crushed, white, w/ clay, gray, soft, wet
70-75	NO returns
75-80	SAA
80-90	SAA
90-95	clay w/ crushed limestone, soft, fine, soft, low plasticity, no odor, Tan
95-100	SAA
100-105	SAA
105-110	clay w/ crushed limestone, soft, fine, soft, low plasticity, no odor, Tan
110-115	SAA
115-120	SAA
120-125	clay w/ crushed limestone, fine, soft, soft, low plasticity, no odor, Tan
1240	screening complete
1245	PDS starts offsite for lunch in MID Truck
1315	- Water truck offsite to fill tanks

Location Jackson Blue Date 4/4/22 23

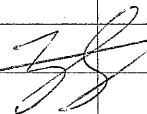
Project / Client _____

1315 1350 ₃₂	Kent, Lance, Matt (PDS) back onsite in MID Truck
1330	Contact P.M regarding lithology + well depth. P.M recommends setting GMW-3D @ 108 TD and GMW-3S @ 68 TD.
1340	CHRIS (PDS) onsite w/ full water Tanks
1345	Begin advancing 8" rods to 108' for well install and removing 6" rods
1415	Mike (FDEP) onsite
1435	8" rods @ Depth + 6" rods removed. begin filling bore hole below 108' w/ sand to raise bottom of casing Bags of sand used:
1440	Begin well install GMW-3D ^{Sample} 8" rods
108-98	1x10'x4" sch 40 PVC w/ 0.010 slot screen
98-0	2x10'x4" sch 40 PVC riser
108-96	20/30 sand:
96-94	30/65 fine sand:
94-0	Portland cement (cement):
1455	Mike (FDEP) offsite
1530	Sandpack installed via Trimmer pipe. Prep to Develop well
1535	Begin Development

Location Jackson BlueDate 4/14/22

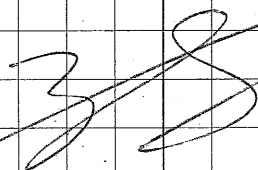
Project / Client _____

GMW-3D Develop ES17	
Start: 1535	Stop: 1625
TD: 108'	TD: 108'
DTW: 13.92	DTW: 54.51
WQ: Cloudy, no odor	WQ: Clear/no odor
NTU: 71000	NTU: 83.6
Cont	~ 75gal
1625	GMW-3D Development complete, prep to grout well
1635	Begin Pressure grouting well
1650	GMW-3D grouted to surface, Begin removing 8" rods
1700	Rods removed, Begin cleanup & prep to pad well
1710	grout in well falling, Continue to grout well
1820	GMW-3D Padded w/ rebar
1825	GMW-3D grouted to surface, Continue cleanup
1830	Kent (PDS) offsite w/ semi and rig
1900	Site clean & secure, All offsite, Mob to office
2000	arrive @ office


Location Jackson BlueDate 4/15/22

Project / Client _____

0645	Z. Larson @ office loading vehicle
0655	Mob to site
0800	Z. Larson onsite in Chang 1500 Per well install
	68°F Cloudy 60% CAR
0810	Matt + Lance (PDS) onsite in HD Truck and trailer w/ skidsteer and HD Truck + Trailer w/ supplies
0815	HS Meeting: Traffic, MAT, Storms
0820	Kent (PDS) onsite in Semi + Drilling
0825	Begin unloading Equipment + Setup on GMW-3S
0850	Begin ^{Hand} Setup on GMW-3S, Begin hand clearing and screenings
0920	GMW-3S cleared to 5', Begin advancing 4" rods
0930	Begin advancing 6" rods w/ water to cool rods



Return this

Project / Client _____

Depth	SONIC	GMW-35 Screen	4" rods
0-1	Sand, Fine, Dus, Tan/Orange, no odor		
1-2		SAA	
2-3		SAA	
3-4	Sand, Fine, Dus, Tan/Orange, no odor		
4-5		SAA	
5-10	Silty Sand, Fine, Dry, Brown/Orange, no odor		
10-15		SAA - Poor returns ~ 2.5'	
15-20	Silty Sand, Coarse, Moist, Tan/Grey, no odor		
		- Poor returns ~ 2.5'	
20-25 (20-23)		SAA	
	(23-25) clay, moist, fine, stiff, med plasticity, red/grey, no odor		
25-30 (25-27)		SAA	
	(27-30) sand/clay mix, fine, moist-wet, soft, med plasticity, red/tan/grey/black, no odor		
30-35	Sand/clay mix, coarse-fine, wet, soft, med plastic, red/tan/grey, no odor		
35-40	Clayey Sand, coarse to fine, wet, tan/grey, no odor		
40-45 (40-43)	Clayey Sand w/ crushed limestone, coarse, sat, tan/grey, no odor		
	(43-45) clay, hard, VF, moist, hard, tan/grey, low plasticity, no odor		
45-50		SAA	

Project / Client _____

Depth	DESC
50-55	Clay w/ crushed limestone, fine, wet to dry, grey, no odor, stiff, med plastic
55-60 (55-58)	SAA
	(58-60) clay, VF, dry to sat, grey, stiff, med plasticity, no odor
60-65	clay w/ crushed limestone, fine, moist-wet, med soft, low plasticity, grey, no odor
65-70 (65-68)	SAA
	(68-70) clayey sand, fine, sat, tan/grey, no odor
1100	rods @ 70'. (on firm Well depth of 68' w/ PM. PM approves. Prep to install
1110	Begin advancing 8" rods to 68' and remaining 6" rods
1130	MIKE (FDER) onsite in Chevy Truck
1145	8" rods @ 68" + 6" rods removed. Begin Install
	Sonic GMW-35 Install 8" rods
68-48	2x10'x4" sch 40 PRC w/ 0.010 screen
48-0	5x10'x4" sch 40 PRC 11er
68-46	20/30 sand:
46-44	50/65 fine sand:
44-0	Portland Cement (grout):

Rite in the Rain

1220 Mike ~~off~~^{at} (FDEP) onsite
 1230 Sandpack installed via trimmer pipe. Prep
 to develop
 1240 Begin Development

GMW-35 Developed ESP

Start: 1240

End: 1340

TD: 68'

TD: 68'

DTW: 1712

Dr: 21.44

WR: Cloudy, ~~overcast~~^{tan}, no dew

WR: clear, no dew

NTV: >1000

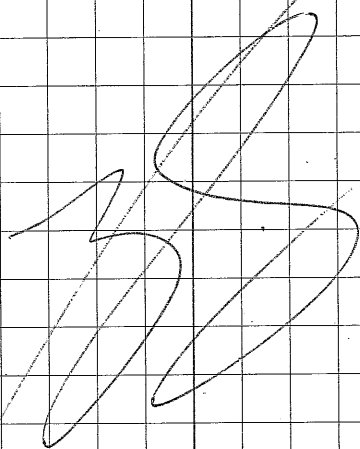
NTV: ~~21.44~~ 82.8

Cont

~ 90 gal

1310 Mike (FDEP) onsite
 1340 Development Complete. Prep to gravel well
 1350 Begin Pressure grouting GMW-35 to surface
 and removing 8" rods
 1400 8" rods removed.
 1410 Mike (FDEP) onsite
 - Ben, Alan (FGS) onsite in Ford van
 1415 GMW-35 grouted to surface. Begin cleanup
 and Prep to Pad
 1425 Begin Packing GMW-35 w/rebar
 1500 Kent ~~off~~^{at} (PDS) onsite
 1515 GMW-35 Padded. Continue cleanup
 1530 FGS staff onsite

1545 site clean + secure. All onsite. unable
 to seed hay due to High wind +
 incoming storm. Mob to office
 1645 arrive @ office



0740 Z. Lawson ~~at~~ @ office leading

0750 Mob to site

0850 Z. Lawson onsite in Chevy 1500 for
Well install - Proposed 61' TD
75°F cloudy 80% COR

- Lance, Matt, Chris (PDS) onsite in
HD Truck + Trailer w/ skidster, HD Truck
+ Trailer w/ supplies, and Water Truck.

0855 HS Meeting: MOT, Traffic, Weather

0900 Kent (PDS) onsite in Semi w/ Dilling.

0905 Begin setting up MOT
- Plan # 102-602

0930 MOT set up. Begin land clearing
WMD-69 (5288) to 5' + screening

0940 WMD-69 (5288) cleared to 5'. Begin
advancing 4" rods to 61'

1015 Begin advancing 6" rods w/ water

1020 Trevis (Northwest FL Water management) onsite
in HD Truck

At breakfast 1000. Mike (FDEP) onsite in Chevy Truck

1035 4" rods @ 65'. Contact PM w/ lithos.
PM recommends setting well @ 48'
to prevent submerged screens.
- Begin advancing 8" rods and remaining
6" rods

Depth	DESC
0-1	Silty sand, fine, Moist, Tan/Brown, no odor
1-2	SAA
2-3	SAA
3-4	Silty sand, fine, Moist, Tan/Brown, no odor
4-5	SAA
5-10	SAA
10-15	Silty sand, fine, Moist, Tan, no odor
15-20	Clayey Sand, fine to VF, Moist, Tan, no odor
20-25	SAA - Poor returns ~ 2'
25-30 (25-28)	SAA
(28-30)	Crushed limestone, coarse, white, Dry, no odor - Poor returns ~ 2'
30-35	Crushed limestone, coarse, Soft, Tan/white, no odor - Poor returns ~ 2.5'
35-40	Crushed limestone (35-38) SAA (38-40) crushed limestone w/ sand, coarse, Soft, white, no odor, poor - Poor Returns ~ 2.5'
40-45	Sand/crushed limestone, coarse, Soft, Tan, no odor - Poor returns ~ 2'
45-50	SAA - Poor returns ~ 2'

Location Jackson Blue

Date 4/6/22

Project / Client _____

- 1435 AHPDS staff onsite. Take down MOT signage
- 1440 MOT signs down. All onsite. Mob to office
- 1615 arrive @ office

Location Jackson Blue

Date 4/7/22

Project / Client _____

- 0650 Zilawson @ office Loading vehicle
- 0655 Mob to site
- 0810 Zilawson onsite in chng 1500 per well install
- 65°F Partly Cloudy 5% CO₂
- Lowe, Matt, ~~Chris~~ (PDS) Chris (PDS) onsite in HD Truck + Trailer w/ skidsteer loads, HD Truck + Trailer w/ drill supplies, and Worker Truck (flatbed)
- 0815 HS Meeting: MOT, Traffic, UT Wings
- 0825 Begin setting up MOT
- MOT Plan # 102-602
- 0845 Kent ~~onsite~~ (PDS) onsite in semi w/ Drill rig
- 0900 MOT set up. Begin setup on ~~GA-MC~~ ^{from} GA-MC
- 0910 Begin hand cleaning ~~GA-MC~~ ^{GA-MC} to 5' and screening _{GA-MC}
- 0940 ~~GA-MC~~ ^{GA-MC} cleared to 5'. Begin advancing 4" rods to 65'
- 1015 Mike (FDEP) onsite
- 1020 Begin advancing 6' rods w/ water

Return to the Rain

SONIC	GWM	GWC Screen	4" rods
Depth	DESC		
0-1	Silty Sand, Fine, Moist, Tan, No odor		
1-2	SAA		
2-3	SAA		
3-4	Silty Sand, Fine, Moist, Tan, no odor		
4-5	SAA		
5-10	Sandy Clay, Fine, Dry, Green, Very soft, low plasticity, no odor		
10-15	Clayey Sand, Fine, Dry, Tan/grey, no odor		
15-20	Silty Sand, Fine, Dry, Tan/grey, no odor		
20-25	Silty Sand, Fine, Moist, Tan, no odor		
25-30	Sand/clay mix w/ fine gravel, fine-coarse, wet, Tan, soft, med plasticity, no odor		
30-35	Silty Sand, fine, Sat, Tan/white grey, no odor - Sat from 30-33, moist from 33-35		
35-40	Silty Sand, Fine, Moist, Tan/Brown, no odor		
40-45	Clayey Sand, Fine, Wet, Tan, no odor		
45-50	Sand/clay mix, fine & VF, Sat, Tan/grey, soft, high plasticity, no odor		
50-55	Clayey Sand/crushed Limerock, Sat, Fine, Tan/white, no odor		
55-60	Sand/crushed limerock, Fine, Sat, White, no odor		
60-65	Sand/clay mix w/crushed Limerock, Fine, Sat, White, med soft, med plastic, no odor		

1050	Report Litho To PM. PM instructs Field Staff to raise TD of well to 58'. - Bore complete		
1055	Begin advancing 8" rods to Depth		
1120	Rods @ Depth, Begin filling Bore below well depth w/sand - Bore used: 111		
1125	Begin well install Sonic GWC Install 8" rods		
58-38	2x10'x4" sch 40 PVC w/ 0.010 slot screen		
38-0	4x10'x4" sch 40 PVC riser		
58-36	20/30 sand:		
36-34	30/65 sand: Fine Sand:		
34-0	Portland cement (grat):		
1130	Mike (FDEP) offsite		
1155	Sand pack installed via Timmie pipe. Prep to develop		
1200	Begin development GWM GWC Develop ESP		
Start: 1200	End: 1345		
TD: 58'	TD: 58'		
DTW: 43.04	DTW: 42.87		
WQ: Muddy, Tan, no odor	WQ: Clear, no odor		
MV: >1000	MV: 36.7		
con +	~ 160 gal		

1240 Mike (FDEP) onsite
 1335 Mike (FDEP) offsite
 1345 Development complete. Prep to grout well
 1400 Begin pressure grouting ~~GWM-1~~ GWM-C and removing 8" rods
 1410 8" Rods removed. Continue grouting
 1430 Begin cleanup
 1435 GWM-C gravel to surface
 1445 FGS staff onsite in Ford van
 1450 Begin padding GWM-C w/ rebar
 1455 Kent (PDS) offsite
 1515 GWM-C padded. Continue cleanup
 1540 Seed & hay spread across site
 1545 FGS offsite
 1555 PDS staff offsite
 - Take down MOT signage
 1600 Signage down. Site clean + secure. All offsite. Mob to office
 1705 arrive @ office

0645 Z. Lawson @ office Landings well well
 0650 Mob to site
 0730 receive news of Kent (PDS) has medical emergency. NO Drilling Today. Mob to GWM-2 to meet rest of Drill crew to redevelop
 0830 Z. Lawson onsite in Chars 1500 to redevelop GWM-2.
 $T = 59^{\circ}\text{F}$ Sunny 5% ICR
 - PDS Lance, Matt, Chris (PDS) onsite in HD Truck + Trailer, HD Truck + Trailer, and Flatbed.
 - PDS actively purging well
 0835 HS Meeting: Traffic, PPE, hydration
 - Colgan (w/d) onsite in JCIS Transit
 0840 Current ~~PDA~~ NTU: 220
 Current DTW: 89.25
 0845 Well dws. Allow recharge - Halt Pumping
 0900 resume purging. NTU: 179 DTW: 88.17
 0915 NTU: 41.7 DTW 91.68
 0921 Well Dws. Stop pumping. Allow recharge
 0936 resume pumping. NTU: ~~87.48~~ 51.3
 DTW: 87.18. PM Instructs to end redevelopment. Begin cleanup

Location Jackson Blvd

Date 4/8/22

Project / Client

0955 site clean + Secure, All offsite. Mob
to office

1105 arrive @ office

Location Jackson Blvd

Date 4/11/22

Project / Client

0700 Z. Larson @ office Loading vehicle

0715 Mob to site

~~0850~~ 0840 Z. Larson onsite in Chevy 1500 for
well instal. GWM-6D - in process
55°F Sunny 5% CR

- Lanez, Matt, Chris (PDS) onsite in
HD Truck + Trailer w/ skidsteer, HD
Truck + Trailer w/ supplies, Flatbed w/
Water

0815 HS Meeting: PPE, Hydration, Snacks

0855 Begin unloading Equipment + Prep
for Drill arrival

0910 Kent (PDS) onsite in semi^{truck} and Drill
rig.

- Unload rig + Begin setup on GWM-6D

0920 Begin hand clearing GWM-6D to 5'
and screenings

0935 GWM-6D hand cleared to 5'. Begin advancing
4" rods to Depth + continue screenings

1020 Begin advancing 6" rods w/water

Rite in the Rain

Location Jackson Blue

Date 4/11/22

Project / Client _____

Depth	DESC
0-1	Sand, Fine, moist, Tan, no odor
1-2	SAA
2-3	SAA
3-4	Sand, Fine, Moist, Tan, no odor
4-5	SAA
5-10	Silty Sand, Moist, Tan/red, no odor, fine
10-15	SAA
15-20	Clayey Silty Sand, fine ^{VF} Fine, ^{VF} Tan, no odor
20-25	(20-22) silty sand, fine ^{VF} Fine, ^{VF} Tan, ^{VF} no odor (22-25) Sand w/ fine gravel, coarse ^{VF} coarse no odor
25-30	Sand w/ fine gravel, coarse, wet, Tan/red, no odor
30-35	SAA - Silt
35-40	Sand/clay mix, ~1ft layers, Fine → VF, Wet → SAA, Tan/red/Pink, No odor, Med soft, high plastic
40-45	Clayey Sand w/ fine gravel, coarse → Fine, Silt, Tan/red, no odor
45-50	SAA
50-55	SAA - Tan/Brown
55-60	Clayey Sand w/ fine gravel, coarse → VF, Silt, Tan/red no odor
60-65	Sand/clay mix, coarse → VF, Silt, Tan/orange, med soft med plasticity, no odor

Location Jackson Blue

Date 4/11/22

Project / Client _____

Depth	DESC
65-70	Clayey Sand, coarse → Fine, Silt, Tan/orange, no odor
70-75	no returns
75-80	clayey sand, coarse → Fine, Silt, Tan/orange/Black no odor
80-85	Clayey Sand w/ crushed limestone, Fine coarse, Silt, Tan/Black/Tan X, no odor
85-90	Crushed limestone w/ shell, coarse, Silt, Tan/White, no odor
90-95	SAA
1125	Boring complete. Inform PM regarding lithers. PM instructs staff to change GWM-GD Total Depth to 86'. Begin removing 4" rods from boring. Begin.
1135	Begin advancing 8" rods to Depth. 4" rods removed, Begin removing 6" rods
1210	6" rods removed. 8" rods @ 86'. Begin GWM-GD well install

Rite in the Rain

Project / Client _____

Time	Material / Activity
	sent GWM-612 install 8" rods
86-76	1x10'x4" sch 40 PVC w/0.010 slot screen
76-0	8x10'x4" sch 40 PVC riser
86-741	20730 Sand:
74-72	30765 Fine sand:
72-0	Portland Cement (grout):
1220	MIKE (FDEP) onsite in chery truck
1230	MIKE (FDEP) offsite
1250	Sandpack installed on trimmed pipe. prep to develop

1305 Basin GWM-612 Development 7

GWM-612 Develop 8517

Start: 1305

Stop: 1435

TP: 86'

TP: 86'

DTW: 21.44

DTW: 24.23

WQ: Muddy, brown, no odor

WQ: clear, no odor

NTU: >1000

NTU: 71.8

Cont

~ 180 gal

1415 MIKE (FDEP) onsite

1435 Development complete. Prep to grout

1445 Begin pressure grouting GWM-612 to surface and removing 8" rods

1450 FGS staff onsite for soil cores

1500 MIKE (FDEP) offsite

Project / Client _____

1505	8" rods removed. Continue grouting
1530	GWM-612 grouted to surface. Begin padding
1555	GWM-612 Padded. Begin cleanup
1615	Kent - FGS staff offsite
1615	Kent (PDS) offsite
1630	Site clean + secure. All offsite. Mike to call
1740	arrive @ office

0630 Z. Lawson @ Ahee Loading

0635 Mike to site

0750 Z. Lawson onsite in Chevy 1500 for well install. ~~GWM-65~~ ^{PM change} GWM-65 to 40' TD

0755 Lance, Matt (PDS) onsite in H17 Truck and trailer w/ skidsteer, H17 Truck and Trailer w/ supplies,
- Begin unloading equipment

0820 Chris (PDS) onsite in Flatbed w/ water
- HS Meeting: PPE, Traffic, hydration

0835 C. Lynn (weeds) onsite in ~~FS~~ 2015 Transit

0930 Waiting on Kent (PDS) to arrive w/ Drill rig

1000 Mike (FDEP) onsite in Chevy Truck

1005 Kent (PDS) onsite in Semi w/ Drill rig
- Begin unloading rig & setup on GWM-65 - 5' East of GWM-6D

1020 Setup on GWM-65. Basin hand cleaning to 5' and screening

1030 GWM-65 clear to 5'. Begin advancing 4" rods to 50' and continue screening
- Sam Hankenson, Lauren Campbell, Jessamyn Keyet (FDEP) onsite in PV

1050 Begin advancing 6" rods w/ water

	Soil C	GWM-65 screening	4" rods
Depth			
0-1	Sand, Fine, Moist, Tan/Brown, nodular		
1-2		SAA	
2-3		SAA	
3-4	Sand, Fine, Moist, Tan, nodular		
4-5		SAA	
5-10	Sand, Fine, Dry, Tan/Brown/orange, nodular		
10-15	Silty Sand, Moist, Tan/orange, Fine, nodular		
15-20		SAA - Tan/Brown/orange	
20-25 (20-22)		SAA - wet	
22 (22-23)	Sand, Fine to med, Sat, Tan, nodular		
25-30 25-30		SAA	
30-35	Sand w/ fine gravel, Fine to coarse, Sat, Tan/orange nodular		
35-40 (35-37)		SAA	
(39-40)	Sand/clay, Fine, Sat, Tan/gray, high plastic, stiff, no color		
40-45 ^{close v}	Sand w/ fine gravel, Coarse, Sat, Tan/gray, nodular		
45-50		SAA	
1115	Being complete. Begin advancing 8" rods for well install & remaining 6" rods		
1135	8" rods @ 46'; 6" rods removed. Basin GWM-65 Install		

Project / Client

Scrit	GWM-65 Install	8" rods
46-26	2x10'x4" 50240 PVC w/ 2.010 slot screen	
26-0	3x10'x4" 50240 PVC 1150	
46-24	20/30 sand:	
24-22	30/65 Fine sand:	
22-0	Portland Cement (grout):	
1200	Sand Pack Installed via Trimmie Pipe. 1200 to Develop	
1205	Begin Development	
	GWM-65 Develop	ESP
Skrt: 1205	step: 1305	
#P: 46	TD: 46'	
DTU: 21.52	DTU: 27.13	
WQ: muddy / Brown, reader	WQ: Clear / no odor	
NTU: >1000	NTU: 66.4	
con d	~ 120 gal	
1305	Development complete. Prep to graft	
1310	Mike (FDEP) offsite + C. Lyon (Wood) offsite	
1320	Begin pressure grouting GWM-35 to surface & removing 8" rods	
1340	8" rods removed. Continue grouting & Begin cleanup	
1345	GWM-65 grouted to surface. Begin Paddings	

Project / Client

1400	Mike (FDEP) onsite
1420	GWM-65 Padded. Continue cleanup and spread hay & seed
1430	Sam, Lauren, Jessica (FDEP) offsite
1435	C. Lyon (Wood) onsite
1440	Site seeded & hay spread.
1445	Mike (FDEP) offsite.
1455	Site clean & secure. All offsite. Mob to GWM-4 Location
1520	arrive @ GWM-4. Begin unloading equipment & setup on GWM-4/D
1535	Setup on GWM-4/D Begin hand cleaning to 5' and screening
1550	Begin advancing 4" rods to 110"
1625	Begin advancing 6" rods w/ water

Depth	Desc
0-1	Sand, Fine, Dns, Tan/Brown, no odor
1-2	SAA
2-3	SAA
3-4	Sand, Fine, Dns, Tan/Brown, no odor
4-5	SAA
5-10	Silty Sand, Fine, Dns, Tan/Orange/Brown, no odor
10-15	Silty Sand, Fine, Dns, Tan/Black, no odor
15-20	SAA
20-25	Sandy Clay, Fine, Moist, Grny, Shiff, low plasticity, no odor
25-30	Clayey Sand, Fine, Moist, Grny, no odor
30-35	SAA - Tan/Grny - wet
35-40	Sand, Med, Wet, Tan/gray, no odor
40-45	Sand, Med, Sat, Tan/gray, no odor
45-50	SAA
50-55 (50-52)	SAA
(52-55)	clayey sand, fine, Sat, Brown/Black, no odor
55-60 (55-57)	SAA
(57-60)	crsted limestone w/shell, coarse, Sat, Tan, no odor
60-65	Clay w/ crsted limestone & shell, Fine, Sat, Tan, no odor
65-70	SAA - Sat, low plasticity

Depth	Desc
70-75	crsted limestone w/shell, coarse, Sat, Tan, no odor
75-80	SAA
80-85	SAA
85-90	crsted limestone w/shell, coarse, Sat, Tan, no odor
90-95	SAA
95-100	SAA
100-105	crsted limestone w/shell, coarse, Sat, Tan, no odor
105-110	SAA
1740	Boring complete. Begin cleanup
1745	C. Lyon (woods) offsite
1800	Kent (PDS) offsite
1830	Site Clean & Secure. All offsite. Make to offsite.
1940	arrive @ office

0645	Z. Larson @ office leading
0650	Mo to site
0800	Z. Larson onsite in Chevy 1500 for well install
	65°F Partly cloudy 20% CO ₂
	- Chris (PDS) onsite in Flashed w/water
0805	Lance, Matt (PDS) onsite in HD Truck + Trailer w/skidsteer and HD Truck + Trailer w/supplies.
0810	HS Meeting: PPE, hydration, slips/trips/falls
0820	Inform PM of GWM-412 lithology. PM recommends keeping TD of GWM-412 and GWM-415 as proposed to the access the Floridan aquifer
0825	Begin unloading equipment and prep for Kent (PDS) to arrive w/ Drill rig
0920	Informed by Kent (PDS) that semi carrying rig had a blowout on Hwy 90. Kent changing tire and will arrive when able. Inform PM
0940	Mike (FDEP) onsite in Chevy Trucks
0950	Mike (FDEP) offsite
1040	continue waiting on Semi w/ Drill rig
1140	Continue waiting on Semi w/ Drill rig. Informed by Kent that blowout was caused by

	Semi break down locking up. Repairs are currently being performed
1155	Mike (FDEP) onsite
1200	Mike (FDEP) offsite
1230	FGS onsite in Ford van for Soil cores
1240	Continue to wait for Semi + Drill rig
1320	Informed by PM to cancel Drilling for the day. Begin cleanup
1345	FGS offsite
1350	All site clean + secure. All offsite. Mo to office
1450	arrive @ office

0645	Z. Lawson / Duffrey loading
0650	Mob to site
0800	Z. Lawson onsite in Chevy 1500 for well install - GWM-4D + GWM-4S 6" P & C cloudy 70% COR
	- Lance, Matt, Chris (PDS) onsite in HD Truck & Trailer w/ skid steer, HD Truck and Trailer w/ supplies, and flatbed w/ water
0825	HS Meeting: PPE, Weather, Slips/Trips/Falls - Kent (PDS) onsite in Semi w/ Drill rig
0830	Begin unloading equipment and setup on GWM-4D - TD 110'
0835	Setup on GWM-4D. Begin advancing 8" rods to 110' and remove 6" rods
0915	8" rods @ 110' & 6" rods removed. Begin well install Sonic [GWM-4D Install] 8" rods
110-100	1 x 10' x 4" sch 40 pipe w/ 0.010 slot screen
100-0	10 x 10' x 4" sch 40 pipe riser
110-98	20/30 sand:
98-96	30/65 fine sand:
96-0	Portland cement (grout):

0920	Mike (FDEP) onsite in Chevy Truck
0940	Sand pack installed over titanium pipe - Prep to develop
0955	Begin Development [GWM-4D develop] 651?
start: 1000	stop 1045
TD: 110'	TD: 110'
DTW: 23.72	DTW: 23.88
WR: Cloudy, Ten, nooder	WR: clear, nooder
NTU: > 1000	NTU 54.0
con d	~ 70 gal
1045	Developing man complete. Prep to gravel
1055	Begin pressure grouting GWM-4S and removing 8" rods
1100	8" rods removed. Continue pressure grouting GWM-4D
1130	Mike (FDEP) offsite
1135	GWM-4D Pressure grouted to surface. Begin hand clearing GWM-4 to 5' - located 5' East of GWM-4D
1145	GWM-4S cleared to 5'. Begin advancing 4" rods to 70' and continue screening
1205	Begin advancing 6" rods w/ water

Depth	Soils	GW-M-4S Screen	4" rods
0-1	Sand, Fine, Moist, Tan/orange	no ader	
1-2	SAA		
2-3	SAA		
3-4	Sand, Fine, Moist, Tan/orange,	no ader	
4-5	SAA		
5-10	SAA		
10-15	Silty Sand, Fine, Dry, Tan/orange/grey,	no ader	
15-20	SAA		
20-25	(20-23) Clean Sand, Fine, Moist, Tan/grey, no ader		
	(23-25) Sandy clay, med to fine, moist, no ader		
	stiff, low plasticity		
25-30	(25-28) SAA		
25-30	Sand/clay mix, med to fine, moist, Tan/grey,		
	no ader, stiff, low plasticity		
30-35	NO returns		
35-40	Silty Sand, Med to fine, Sat, Tan/grey/Black, no ader		
	- Poor returns ~ 1.5'		
40-45	Sand, Med, Sat, Tan/grey, no ader		
45-50	SAA		
50-55	SAA		
55-60	Sand/clayey Sand mix, med to fine, Sat, Tan/grey/Brown,		
	no ader, Crushed limestone @ 59-60		

Depth	Soils	GW-M-4S Screen	cont
60-65	Crushed limestone/clay mix, Coarse to VF, Sat, Tan, no ader, Stiff, ^{med} high plasticity		
65-70	SAA		
1250	Boring complete. Prep to install		
1300	Chris (PDS) onsite in flatbed to redill water.		
	- Take lunch while waiting for water		
1335	Lunch over. Begin advancing 8" rods to 70' and removing 6" rods		
1350	Chris (PDS) onsite w/water		
1410	8" rods @ 70' + 6" rods removed. Begin well install		
	Soils	GW-M-4S Install	8" rods
70-50	2x10'x4" Sch 40 PVC w/ 0.010 slot screen		
50-0	5x10'x4" Sch 40 PVC riser		
70-48	20/30 Sand:		
48-46	30/65 Fine Sand:		
46-0	Portland cement (grout):		
1425	Mike (FDEP) onsite		
1430	Seam pack installed via Trimmie pipe. PVP to Develop GW-M-4S		

	Begin Dev	2L
1455	Begin Development	
	GWM-4S Develop	EST
start 1435	stop 15:16:00	1605
TD: 70'	TD: 70'	
DTW: 23.83	DTW: 23.89	
WQ: Muddy, Tan, no odor	WQ: Clear, no odor	
NTU: >1000	NTU: 61.7	
cont	~ 135 gal	
1605	Development complete. Prep to grout well	
1615	Begin pressure grouting GWM-4S to surface and removing 8" rods	
1640	GWM-4S grouted to surface & 8" rods removed. Begin cleanup & prep to pad GWM-4D + GWM-4S	
1655	Begin padding GWM-4D + GWM-4S w/ rebar	
1720	Kent (PDS) onsite	
1755	GWM-4D + GWM-4S Padded. Continue cleanup	
1810	Site seeded & hay spread	
1830	Site clean & secure. All onsite. Mob to office	
1930	arrive @ office	

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0645	Z. Larson @ office loading
0700-0650	Mojo to site
0800	Z. Larson onsite in charge 1500 per well install - GWM 7
	5996 Sunny 10% COR
0810	Kent, Lance, Matt, Chris (PDS) onsite in Semi, w/ Drill rig, HD Truck + Trailer w/ skid steer, HD Truck + Trailer w/ supplies, and float bed w/ water
0815	HS Meeting: PPE, Traffic, MOT-Plan
0825	PDS begins unloading & setup on GWM-7 - Wood skid begins MOT signage setup
0850	PDS, MOT signs & cones placed. PDS setup on GWM-7. Begin hand clearing to 5' and screening
0910	GWM-7 cleared to 5'. Begin advancing 4" rods to 55'
0945	Begin advancing 6" rods w/ water

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Depth	Soil	GW-7 screen	4" rods
		Desc	
0-1	Sand, Fine, Prs, Tan/gray, noddy, orange		
1-2		SAA	
2-3		SAA	
3-4	Silt/sand, Fine, Prs, Tan/gray, noddy, orange		
4-5		SAA	
5-10	Sandy clay, Fine, Prs, Tan/gray, noddy, orange, shift, low plasticity		
10-15		SAA	
15-20	Sandy clay, Fine, Moist, Orange/gray, shift, low plasticity, med low plasticity		
20-25	Sandy clay w/ fine gravel, coarse \rightarrow fine, Sat, Orange, shift, Med plasticity, noddy		
25-30	SAA - (25-27) sat (27-30) wet		
30-35	Sandy clay w/ fine gravel, coarse \rightarrow fine, wet ^{Sat} , Tan/Dark gray, Med soft, Med plasticity, noddy		
35-40		SAA	
40-45	SAA - Perc returns, ~ 2.5'		
45-50	Sand w/ insted liner, coarse, Sat, Tan/white, noddy		
50-55		SAA	
1005	Boring complete. Inform PM of lithos. PM Recommends keeping proposed TD at 51'. - Prep to advance 8" rods to 51		

1015	Begin advancing 8" rods to 51' and removing 6" rods	
1040	8" rods @ 51' and 6" rods removed. Begin well install	
	Soil	GW-7 Install 8" rods
51-31	2x10'x4" sch 40 PVC w/ 0.010 slot screw	
31-0	3x10'x4" sch 40 PVC riser	
	1x5'x4" sch 40 PVC riser	
51-29	20/30 Sand:	
29-27	30/65 Fine sand:	
27-0	Portland cement (grout):	
1115	Sand pack installed via tumbler pipe. Pre P/A Develop well	
1125	Begin Development	
	GW-7 Develop	ESP
Start 1125		Stop: 1325
TD: 51'		TD: 51'
DTW: 22.27		DTW: 22.39
WQ: Muddy, coarse/fin, noddy		WQ: Cloudy, noddy
MTV: >100		MTV: 410
cont.		~ 180 gal
1150	Chrs (PIX) onsite for water	
1310	Chrs on site (PIX) onsite	
1325	PM calls Development @ 2 hrs.	

1325 cont.	will return @ Later Date to continue development. Remove pump and Prep to gravel
1335	Begin pressure grouting GWM-7 to surface and removing 8" rods
1400	8" rods removed and GWM-7 grouted to surface. Prep to pad well and begin cleanup
1410	Begin pad lining GWM-7
1420	Allen, Georot (FGS) onsite in field van for soil cores
1435	GWM-7 padded. Continue cleanup
1505	Kent (PDS) onsite Mapping to GWM-8 - Begin MOT Breakdown
1515	Site cleaned secure. All offsite. Mob to GWM-8
1525	Z. Larson onsite @ GWM-8 - Kent onsite @ GWM-8 - Set select spot to install GWM-8
1530	PDS Staff onsite. Begin unloading equipment and setup on GWM-8
1550	Setup on GWM-8. Begin hand cleaning to 5' and screening
1615	Begin advancing 4" rods to 56"
1630	Begin advancing 6" rods w/water

[GWM-8 screen]	
Depth	Desc
0-1	Sand, Fine, Pres, Tan/Brown, no odor
1-2	SAA
2-3	SAA
3-4	Sand, Fine, Pres, Tan, no odor
4-5	SAA
5-10	SAA
10-15	Sand/clay mix, Moist, Fine, Tan/grey, no stuff med plaster, no odor
15-20	clayey Sand, Fine to coarse, wet, Tan/grey, no odor
20-25	clayey Sand w/ Fine gravel, Fine to coarse, ^{Sat} grey, no odor
25-30	clayey Sand, Fine to coarse, wet, Tan/orange, no odor
30-35	clayey Sand, Fine to coarse, Sat, Tan/orange, no odor
35-40	Sand, Coarse, Sat, grey/orange, no odor
40-45	no returns
45-50	no returns
50-55	Sand, Coarse, Sat, grey, no odor
55-60	Sand, Coarse, Sat, grey, no odor, Crushed limestone @ 57-60
1710	Drilling complete. Inform PA of lithos. PM Recommends Dr ^{Dr} & extending Drilling 10' to ensure screen is in limestone, on Monday 4/18, Begin cleanup

Location Jackson Blue

Date 4/15/22

Project / Client

- 1730 Kent (PDS) @ office
 1735 FGS unable to get soil cores for this location. Soils spread
 1740 Site cleaned & secured. all @ site. Mob to office
 1900 arrive @ office

Location

Jackson Blue

Date

4/18/22

Project / Client

- 0645 C. Payne @ office
 Gas station for fuel
 0800 C. Payne on site in 2019 Chevy
 Weather 64+ Sunny
 Goal finish GWM-8
 0820 Call PM about project completion goal and plan for week.
 0843 Drill (PDS) crew will be on site in 25 mins
 (called driller) inform PM
 0932 Kent on site / Semi / trailer and Geoprobe 8150LS (PDS)
 1015 Lance, and Chris (PDS) on site with flat bed truck and HD truck / trailer and bobcat.
 1018 Begin staging equipment
 1040 Begin rig warm up.
 1044 Begin advancing 8" rods.
 H&S meeting topics
 * Hydration
 * PPE
 * Procedures.
 1102 Begin advancing 4" rods in ~~60' to 70'~~ for final screen interval depth 4' to 12'

Rite in the Rain

Location Jackson Blue Date 4/18/22

Project / Client _____

Continued -

GWM-8 Screen

Depth Desc

60-65 Crushed Limestone, P-coarse, white, sat. No

65-70 SAA

End Boring

1120 Contact Ron and PM. Set TD @ 57'

Begin preparing to set well

1157 Begin installing 4" well and Tremie pipe.

GWM-8

47-67 4" x 20' sch 40 PVC 0.010 slot

0-47 4" x 47' sch 40 PVC riser

45-67 20/30 Sand: ~~|||||~~ |||||

43-45 30/65 Fine Sand:

0-43 Portland cement grout: |||||

Bags of bentonite chips: |||

GWM-8

Start 1257

Stop 1400

DTW 7.12

DTW 17.19

NTU >1000

NTU 42.0

color/color Tan/none

color/color Clear/none

~~coat~~ ~

total ~ 94 gal

rate 1.4 gal/min

Location Jackson Blue Date 4/18/22 67

Project / Client _____

1331 Inform PM and Celeste about DTW in development ~ 20'

Discussion concluded. That the high DTW is most likely due to a surficial aquifer. The well is set in the upper Florida leave well set @ 67' ^{possibly}

1405 Begin mixing grout

1415 Begin pressure grouting via Tremie pipe

1420 grout to surface. Begin pulling ~~head~~ rods for pad.

1445 Begin loading equipment

1500 Kept off site.

1604 pad complete and grass. Begin applying hay.

1625 mob to GWM-7; site secure

Development 2 GWM-7

Start 1652

Stop 1722

DTW 22.28

DTW 22.32

NTU >1000

NTU 81.2

color/color cloudy/none color/color clear/none

cont

1.6 gal/min

~ 48 gal

1731 all off site.

Jackson Blue

4/18/22
4/19/22

0701 C. Payne onsite 55° sunny
in 2019 Chevy. Begin setting
MOT Signs.

notice utility markers are marked
and difficult to see. Refer to pre drawn
map.

0828 Contact PM about utility marks
and to see what action should be
done. GWM-1 and GWM-1a's
marked

PM will discuss with office staff
and review plan. wait on decision.

0849 PM informed field staff that dig tickets
are valid and should prepare to drill.

Wait on final ~~go~~ go from
PM while setting up.

0930 Contact PM. PM conversed with multiple
knallegable staff @ office. PM given all
clear to begin drilling with extra precautions
hand clearing because dig ticket is not expre
and valid and previously marked utilities were
measured. 18.5' from edge of white line.
Continue fueling / setup
Begin hand clearing GWM-1

Jackson Blue

4/19/22

1026 GWM-1 hand cleared to 9'
Begin advancing 4" rods to 95'
for a lithological boring

1107 Begin advancing 6" rods

* Backlog

08000830 Kent (PDS) on site, Lance, Chris, and
Matt on site / 2 HD Trucks / 2 trailers
habcat / flat bed, Semi/trailer
Geoprobe 815045
HRS meeting (between 0828-0849
call)

- PPE

- road hazard

- procedures

* End Backlog

1208 Driller is having is showing signs the
rig is having a hard time penetrating
75-85' due to formation
no hold ups and drilling is moving
forward

Location Jackson Blue Date 4/19/22

Project / Client _____

		<u>GWM-1</u>	
<u>Depth</u>	<u>Desc</u>		
0-1	Silty Sand f-m, Brown, dry, no odor		
1-2	SAA		
2-3	SAA Brown/orange		
3-4	Silty Sandy Clay, vf-f, Orange, dry, no odor		
4-5	SAA		
5-10	Sandy Clay, vf-f, orange, M, no odor, soft Low-med plasticity		
10-15	Clayey Sand, vf-f, tan-orange, M, no odor		
15-20	Clayey sand, vf-f, tan, M, no odor.		
20-25	Clay like sand, vf-f, tan, light orange M, no odor		
25-30	Silty Sand, clay, low plasticity, tan orange, no odor		
30-35	Clayey sand, low plasticity, tan Red, no odor		
35-40	Clayey sand, orange, vf-f, orange, no odor, W		
40-45	SAA		
45-50	SAA / Black layers		
50-55	SAA / 53.5-55 Clay, med plas, med hardness W, Brown/sit grey, no odor		
55-60	Clayey sand, vf-f, tan, W, no odor.		
60-65	SAA / red		
65-70	Sand, f-m, tan, W, no odor.		

Location Jackson Blue Date 4/19/22 71

Project / Client _____

		<u>GWM-1</u>	
<u>Depth</u>	<u>Desc</u>		
70-75	Crushed Limestone f-course gravel, White, sat., no odor		
75-80	SAA		
80-85	SAA		
85-90	Crushed Lime stone f-course gravel, White, Sat. no odor		
90-99	SAA		
1240	Call Ron, lithology discussed. decide to set 8'-88' screen.		
	Begin continue advancing 8' rods to 88'		
1250	8' rods @ 88'. Begin pulling 6' rods. Inform PM about well setting depth.		
1302	Begin well install and Triemmer pipe.		
		<u>GWM-1</u>	
68-88	4" x 20' sch 40 PVC 0.010 slot		
0-68	4" x 68' sch 40 PVC riser		
66-88	20/50 Sand: WT WT II		
64-66	30/65 fine sand: I		
0-64	Portland Cement (grout): WT WT III Bentonite chips		
1307	Celeste on site in 2019 Transit		

Jackson Blue

4/19/22

GWM-1

start 1348

Stop 1518

DTW 67.71

DTW 68.12

NTU 71000

NTU 77.4

color/color Tan/none

color/color Clear/none

~~cont~~

~ 126

rate 1.4 gal/min

1430 FGS on site HGS recap
Allen amanda on site in van

1522 begin prep to grout

1529 begin grouting via tremmie pipe

1535 begin pulling 6" pipe

1540 all rods out prep to top off grout/
pac.

1610 begin loading/padding.

1645 Pac complete/rebar begin loading
equipment and seed and hay.1729 site clean and secure all wells
complete. All off site

OK

Attachment D

Well Installation & Boring Logs

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: GWM-2		Site Name: Jackson Blue		FDEP Facility I.D. Number: _____	Well Install Date(s): 3/28/22 - 3/30/22
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): 93	Well Depth (feet): 93	Borehole Diameter (inches): 8	Manhole Diameter (inches): 12" 8"	Well Pad Size: 2 feet by 2 feet	
Riser Diameter and Material: 4" SCH 40 PVC		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: 73 feet from 0 feet to 73 feet		
Screen Diameter and Material: 4" SCH 40 PVC 0.010 Slot		Screen Slot Size: 0.010	Screen Length: 20 feet from 73 feet to 93 feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material and Size: 20/30 Sand	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: 23 feet from 71 feet to 93 feet		
Filter Pack Seal Material and Size:	30/65 Fine Sand		Filter Pack Seal Length: 2 feet from 69 feet to 71 feet		
Surface Seal Material:	Portland Cement (Grout)		Surface Seal Length: 69 feet from 0 feet to 69 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 3/30/22 - 4/1/22		Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 15.76	
Pumping Rate (gallons per minute): 1.4	Maximum Drawdown of Groundwater During Development (feet): 93'	Well Purged Dry (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumping Condition (check one): <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 7157 ~ 180 ~ 200	Development Duration (minutes): 95 min 25 min	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: Tan/White cloudy / none		Water Appearance (color and odor) At End of Development: White cloudy / none	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by CP
Checked by CL

BORING LOG

Boring/Well Number: <u>GWM-9</u>		Permit Number: _____		FDEP Facility Identification Number: _____	
Site Name: Jackson Blue		Borehole Start Date: <u>3/28/22</u>	Borehole Start Time: <u>1044</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
		End Date: <u>3/30/22</u>	End Time: <u>1639</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		
Environmental Contractor: Wood		Geologist's Name: <u>E. Payne</u>		Environmental Technician's Name: <u>N/A</u>	
Drilling Company: PDS		Pavement Thickness (inches): <u>none</u>	Borehole Diameter (inches): <u>4" screening 8" well install</u>		Borehole Depth (feet): <u>93'</u>
Drilling Method(s): Sonic		Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): microFID I/S <input type="checkbox"/> <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-5	60	—	—	—	—	5	Sand, f, tan, dry, no odor	SW	D	
SC	5-10	60	—	—	—	—	10	Sand, f, tan no odor / crushed limestone @ 8.5'	SW	D	
SC	10-15	60	—	—	—	—	15	Sand, f, orange to 13' then tan/brown to 15' no odor	SW	D	
SC	15-20	60	—	—	—	—	20	Sand, f, orange/tan, no odor	SW	M	
SC	20-25	60	—	—	—	—	25	Clayey sand, f - (sand) grey/orange, n.o. / Sand, clay, f, grey, no. 24-25' high plcs	SC	M	
SC	25-30	60	—	—	—	—	30	Sand, f - (sand) tan, no odor	SW	W	
SC	30-35	60	—	—	—	—	35	Sand, f - coarse sand, grey, no odor	SW	W	
SC	35-40	60	—	—	—	—	40	Sand, m - (sand), yellowish orange, no odor	SW	W	
SC	40-45	60	—	—	—	—	45	clay, f - vf orange, dry, no odor, hard, brittle low plasticity	SC	D	
SC	45-50	60	—	—	—	—	50	Crushed limestone, m - coarse, grey, no odor	GW	D	
SC	50-55	60	—	—	—	—	55	Clay, vf, Dark Grey/Black, no odor	CL	D	
SC	55-60	60	—	—	—	—	60	Clay, vf, Dark Grey/Black, dry, no odor	CL	D	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <u>GM/M-5D</u>		Site Name: <u>Jackson Blue</u>		FDEP Facility I.D. Number: _____	Well Install Date(s): <u>3/31/22</u>
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:				Surface Casing Install Method: N/A	
Borehole Depth (feet): <u>100</u>	Well Depth (feet): <u>99</u>	Borehole Diameter (inches): <u>8</u>	Manhole Diameter (inches): <u>12" 8</u>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: 4" SCH 40 PVC		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <u>89</u> feet from <u>0</u> feet to <u>89</u> feet		
Screen Diameter and Material: 4" SCH 40 PVC 0.010 Slot		Screen Slot Size: 0.010	Screen Length: <u>10</u> feet from <u>89</u> feet to <u>99</u> feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material and Size: 20/30 Sand	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <u>12</u> feet from <u>87</u> feet to <u>99</u> feet		
Filter Pack Seal Material and Size:	30/65 Fine Sand		Filter Pack Seal Length: <u>2</u> feet from <u>85</u> feet to <u>87</u> feet		
Surface Seal Material:	Portland Cement (Grout)		Surface Seal Length: <u>85</u> feet from <u>0</u> feet to <u>85</u> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <u>3/31/22</u>		Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check): <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): <u>34.61</u>	
Pumping Rate (gallons per minute): <u>1.7</u>	Maximum Drawdown of Groundwater During Development (feet): <u>1.21</u>		Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <u>52.7</u>	Development Duration (minutes): <u>31</u>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <u>Tan / none 71000MTV</u>		Water Appearance (color and odor) At End of Development: <u>Clear / none 14.4MTV</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by cl
Checked by CL type text here

BORING LOG

Boring/Well Number: GWM-5D		Permit Number: _____		FDEP Facility Identification Number: _____	
Site Name: Jackson Blue		Borehole Start Date: 3/31/22	Borehole Start Time: 0940 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 3/31/22	End Time: 1211 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Environmental Contractor: Wood		Geologist's Name: C. Payne		Environmental Technician's Name: _____	
Drilling Company: PDS		Pavement Thickness (inches): 0	Borehole Diameter (inches): 8	Borehole Depth (feet): 100	
Drilling Method(s): Sonic		Apparent Borehole DTW (in feet from soil moisture content): 241'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): microFID I/S <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12	—	—	—	—	1	Sand, f-m, Dark Brown, no odor	SW	D	
HA	1-2	12	—	—	—	—	2	Sand, f-m, Dark Brown, no odor	SW	D	
HA	2-3	12	—	—	—	—	3	Loam, vf-m, Orange, no odor	SM SC	D	
HA	3-4	12	—	—	—	—	4	Loam, vf-m, Orange, no odor	SM SC	D	
HA	4-5	12	—	—	—	—	5	Loam, vf-m, Orange, no odor	SM SC	D	
SC	5-6	60	—	—	—	—	10	Silt to 6.5' then silty clay, vf-f, orange/grey silt moisture N.O., L.M plus, 12%	SC	SM	
SC	10-15	60	—	—	—	—	15	Clay, vr, gray/red, no odor	CI	M	
SC	15-20	60	—	—	—	—	20	Sandy Clay, vf-f, grey/red/orange no odor	SC	M	
SC	20-25	60	—	—	—	—	25	Sand, m-f, tanish orange, no odor	SC	M	
SC	25-30	60	—	—	—	—	30	Clayey Sand, m-f, orange/tan no odor	SC	M	
SC	30-35	60	—	—	—	—	35	Sandy silt/clay, vf-f, Dark Grey no odor	SM	M	
SC	35-40	60	—	—	—	—	40	Sandy silty clay, vf-f, Dark Grey no odor	SM	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA				
Well Number: GWM-5S	Site Name: Jackson Blue	FDEP Facility I.D. Number: <u> </u>	Well Install Date(s): 4/1/22	
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC
If AG, list feet of riser above land surface: N/A				
Borehole Depth (feet): 60	Well Depth (feet): 59	Borehole Diameter (inches): 8	Manhole Diameter (inches): 12" 8"	Well Pad Size: <u> 2 </u> feet by <u> 2 </u> feet
Riser Diameter and Material: 4" SCH 40 PVC	Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <u> 39 </u> feet from <u> 0 </u> feet to <u> 39 </u> feet		
Screen Diameter and Material: 4" SCH 40 PVC 0.010 Slot		Screen Slot Size: 0.010	Screen Length: <u> 20 </u> feet from <u> 39 </u> feet to <u> 59 </u> feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet	
Filter Pack Material and Size: 20/30 Sand	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <u> 22 </u> feet from <u> 37 </u> feet to <u> 59 </u> feet	
Filter Pack Seal Material and Size: 30/65 Fine Sand		Filter Pack Seal Length: <u> 2 </u> feet from <u> 35 </u> feet to <u> 37 </u> feet		
Surface Seal Material: Portland Cement (Grout)		Surface Seal Length: <u> 35 </u> feet from <u> 0 </u> feet to <u> 35 </u> feet		

WELL DEVELOPMENT DATA			
Well Development Date: 4/1/22	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing in feet): 34.91		
Pumping Rate (gallons per minute): 1.7	Maximum Drawdown of Groundwater During Development (feet): 0.19	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): ~120	Development Duration (minutes): 70	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: tan / none >1000 NTU		Water Appearance (color and odor) At End of Development: clear / none <1.2 NTU	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by CL
Checked by CL

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>GMW-3D</i>	Site Name: <i>Jackson Blue</i>	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/14/22</i>		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade If AG, list feet of riser above land surface:		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input checked="" type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
		Surface Casing Install Method: <i>SONIC</i>			
Borehole Depth (feet): <i>108</i>	Well Depth (feet): <i>108</i>	Borehole Diameter (inches): <i>8</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <i>4" SCH 40 PVC</i>		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <i>98</i> feet from <i>98</i> feet to <i>0</i> feet		
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: <i>0.010</i>	Screen Length: <i>10</i> feet from <i>108</i> feet to <i>98</i> feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8</i>	1 st Surface Casing Length: <i>108</i> feet from <i>108</i> feet to <i>0</i> feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: <i>12</i> feet from <i>108</i> feet to <i>96</i> feet		
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <i>12</i> feet from <i>108</i> feet to <i>96</i> feet		
Filter Pack Seal Material and Size:		<i>30/65 Fine Sand</i>	Filter Pack Seal Length: <i>2</i> feet from <i>96</i> feet to <i>94</i> feet		
Surface Seal Material: <i>Portland Cement (Grout)</i>		Surface Seal Length: <i>94</i> feet from <i>94</i> feet to <i>0</i> feet			

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/14/22</i>	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing in feet): <i>13.88</i>		
Pumping Rate (gallons per minute): <i>1.5</i>	Maximum Drawdown of Groundwater During Development (feet): <i>40.63</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>75</i>	Development Duration (minutes): <i>50</i>	Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>cloudy, none no odor</i>		Water Appearance (color and odor) At End of Development: <i>clear, no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by *[Signature]*
Checked by *[Signature]*

BORING LOG

Boring/Well Number: <i>GMW-3D</i>		Permit Number:		FDEP Facility Identification Number:	
Site Name: Jackson Blue		Borehole Start Date: <i>4/4/22</i>		Borehole Start Time: <i>0850</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
		End Date: <i>4/4/22</i>		End Time: <i>1240</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
Environmental Contractor: Wood		Geologist's Name: <i>A. Herr</i>		Environmental Technician's Name: <i>Z. Lawson</i>	
Drilling Company: PDS		Pavement Thickness (inches): <i>NA</i>		Borehole Diameter (inches): <i>4</i>	
				Borehole Depth (feet): <i>125</i>	
Drilling Method(s): Sonic		Apparent Borehole DTW (in feet from soil moisture content): <i>265</i>		Measured Well DTW (in feet after water recharges in well): <i>54.57</i>	
				OVA (list model and check type): <i>microFID/TS/NA</i> <input type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	-	-	-	-	1	Sand, fine, Dry, Brownish orange, no odor	SM	17	
PH	1-2	12	-	-	-	-	2	Sand, fine, Dry, Brownish orange, no odor	SM	17	
PH	2-3	12	-	-	-	-	3	Sand, fine, Dry, Brownish orange, no odor	SM	17	
PH	3-4	12	-	-	-	-	4	Sand, fine, Dry, Brownish orange, no odor	SM	17	
PH	4-5	12	-	-	-	-	5	Sand, fine, Dry, Brownish orange, no odor	SM	17	
SC	5-10	60	-	-	-	-	10	Sand, fine, Dry, Tan/orange, no odor	SM	17	
SC	10-15	60	-	-	-	-	15	Sand, fine, Tan/Dry, Tan/orange, no odor	SM	17	
SC	15-20	60	-	-	-	-	20	Sand/clay mix, fine, Tan/orange, moist, no odor	SC	M	
SC	20-25	60	-	-	-	-	25	clay, very fine, Dry / Layered w/ sand, fine, Pinkish white/orange, moist	SC	PM	
SC	25-30	60	-	-	-	-	30	clay/sand mix, fine to VF, Pinkish white, moist	SC	M	
SC	30-35	60	-	-	-	-	35	Sandy clay/sand mix, fine to VF, grey/orange, stiff, moist to wet	SC	M/W	
SC	35-40	60	-	-	-	-	40	Silty sand/sand w/ crushed limestone, VF, moist, stiff, no odor	SC	M	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

BORING LOG

Boring/Well Number: GMW-3D		FDEP Facility Identification Number:			Site Name: Jackson Blue		Borehole Start Date: 4/4/22 End Date: 4/4/22				
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SC	40-45	60	-	-	-	-	45	loose clay/sand mix, fine to vf, w/ crushed moist to wet, orange/tan/gray, limestone	CL	M/W	
SC	45-50	60	-	-	-	-	50	clay, vf, dry, stiff to hard, tan/gray, no odor	CL	D	
SC	50-55	60	-	-	-	-	55	clay w/ crushed limestone, vf, gray, soft	CL	S	
SC	55-60	60	-	-	-	-	60	clay w/ crushed limestone, vf, moist to wet, soft layer @ 56-58, gray, soft to stiff	CL	M/W/S	
SC	60-65	60	-	-	-	-	65	clay, vf, dry, stiff, brittle, gray	CL	D	
SC	65-70	60	-	-	-	-	70	clay w/ crushed limestone, dry-wet, soft, white	CL	D/W	
SC	70-75	0	-	-	-	-	75	no returns	-	-	
SC	75-80	0	-	-	-	-	80	no returns	-	-	
SC	80-85	0	-	-	-	-	85	no returns	-	-	
SC	85-90	0	-	-	-	-	90	no returns	-	-	
SC	90-95	60	-	-	-	-	95	clay w/ crushed limestone, soft, fine, soft, low plasticity, tan, no odor	CL	S	
SC	95-100	60	-	-	-	-	100	clay w/ crushed limestone, soft, fine, soft, low plasticity, tan, no odor	CL	S	
SC	100-105	60	-	-	-	-	105	clay w/ crushed limestone, soft, fine, soft, low plasticity, tan, no odor	CL	S	
SC	105-110	60	-	-	-	-	110	clay w/ crushed limestone, soft, fine, soft, low plasticity, tan, no odor	CL	S	
SC	110-115	60	-	-	-	-	115	clay w/ crushed limestone, soft, fine, soft, low plasticity, tan, no odor	CL	S	
SC	115-120	60	-	-	-	-	120	clay w/ crushed limestone, soft, fine, soft, low plasticity, tan, no odor	CL	S	
SC	120-125	60	-	-	-	-	125	clay w/ crushed limestone, soft, fine, soft, low plasticity, tan, no odor	CL	S	

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>GMW-35</i>	Site Name: <i>Jackson Blue</i>	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/5/22</i>		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:					
Borehole Depth (feet): <i>68</i>	Well Depth (feet): <i>68</i>	Borehole Diameter (inches): <i>8</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <i>4" SCH 40 PVC</i>		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <u>48</u> feet from <u>48</u> feet to <u>0</u> feet		
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: <i>0.010</i>	Screen Length: <u>20</u> feet from <u>68</u> feet to <u>48</u> feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8"</i>	1 st Surface Casing Length: <u>68</u> feet from <u>68</u> feet to <u>0</u> feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <u>22</u> feet from <u>68</u> feet to <u>46</u> feet		
Filter Pack Seal Material and Size:	<i>30/65 Fine Sand</i>		Filter Pack Seal Length: <u>2</u> feet from <u>46</u> feet to <u>44</u> feet		
Surface Seal Material:	<i>Portland Cement (Grout)</i>		Surface Seal Length: <u>44</u> feet from <u>44</u> feet to <u>0</u> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/5/22</i>	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): <i>17.12</i>	
Pumping Rate (gallons per minute): <i>~1.5</i>	Maximum Drawdown of Groundwater During Development (feet): <i>4.82</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>~90</i>	Development Duration (minutes): <i>60</i>	Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>cloudy, no odor, Tan</i>		Water Appearance (color and odor) At End of Development: <i>clear, no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by *388*
 Checked by *388*

BORING LOG

Boring/Well Number: <i>GMW-35</i>		Permit Number:		FDEP Facility Identification Number:	
Site Name: <i>Jackson Blue</i>		Borehole Start Date: <i>4/5/22</i>		Borehole Start Time: <i>0850</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
		End Date: <i>4/5/22</i>		End Time: <i>1100</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
Environmental Contractor: <i>Wood</i>		Geologist's Name: <i>Z.Lawson</i>		Environmental Technician's Name: <i>Z.Lawson</i>	
Drilling Company: <i>PDS</i>		Pavement Thickness (inches): <i>NA</i>		Borehole Diameter (inches): <i>4 1/2" to 4"</i>	
				Borehole Depth (feet): <i>70</i>	
Drilling Method(s): <i>Sonic</i>		Apparent Borehole DTW (in feet from soil moisture content): <i>~50</i>		Measured Well DTW (in feet after water recharges in well): <i>21.94</i>	
				OVA (list model and check type): <i>NA</i> <input type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other					
<i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Sand, Fine, Dry, Tan/Orange, no odor	SP	D	
PH	1-2	12	NA	NA	NA	NA	2	Sand, Fine, Dry, Tan/Orange, no odor	SP	D	
PH	2-3	12	NA	NA	NA	NA	3	Sand, Fine, Dry, Tan/Orange, no odor	SP	D	
PH	3-4	12	NA	NA	NA	NA	4	Sand, Fine, Dry, Tan/Orange, no odor	SP	D	
PH	4-5	12	NA	NA	NA	NA	5	Sand, Fine, Dry, Tan/Orange, no odor	SP	D	
SC	5-10	60	NA	NA	NA	NA	10	Silty Sand, Fine, Dry, Brown/Orange no odor	SM	D	
SC	10-15	60	NA	NA	NA	NA	15	Silty Sand, Fine, Dry, Brown/Orange no odor - Peer returns ~ 2.5'	SM	D	
SC	15-20	60	NA	NA	NA	NA	20	Sand, Coarse, Moist, Tan/Grey, no odor Peer returns ~ 2.5'	SP	M	
SC	20-25	60	NA	NA	NA	NA	25	(20-23) Sand, Coarse, Moist, Tan/Grey (23-25) Clay, Fine, Stiff, Med Plastic, red grey	SP/CL	M	
SC	25-30	60	NA	NA	NA	NA	30	(25-27) Clay, Fine, moist, stiff, med plastic, red/grey (27-30) Sand/clay mix, fine, soft, red, hydr.	CL	M/W	
SC	30-35	60	NA	NA	NA	NA	35	Sand/clay mix (clays), Coarse to fine, wet, soft, med plastic, red/tan/grey, no odor	SC	W	
SC	35-40	60	NA	NA	NA	NA	40	Clayey Sand, Coarse to fine, wet, Tan/Grey, no odor	SC	W	
SC	40-45	60	NA	NA	NA	NA	45	(40-43) Clay/Sand/crushed lime rock, coarse soft, tan/grey, no odor (43-45) Clay, VF, Moist, hard, low plasticity, tan/grey	SC/CL	W/M	
SC	45-50	60	NA	NA	NA	NA	50	Clay, VF, Moist, Hard, Low Plasticity, Tan/Grey, no odor	CL	M	
SC	50-55	60	NA	NA	NA	NA	55	Clay/crushed lime rock, fine, wet to dry, grey, stiff, med plastic	CL	W/D	
SC	55-60	60	NA	NA	NA	NA	60	(55-58) Clay/crushed lime rock, fine, wet to dry, grey, stiff, med plastic, no odor (58-60) Clay, VF, Dry, soft, stiff, med plastic grey, no odor	CL	D/W/S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>WMD-69 (5258)</i>	Site Name: <i>Jackson Blue</i>	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/6/22</i>		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:					
Borehole Depth (feet): <i>85 48</i>	Well Depth (feet): <i>48</i>	Borehole Diameter (inches): <i>8</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <i>4" SCH 40 PVC</i>		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <u>28</u> feet from <u>28</u> feet to <u>0</u> feet		
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: 0.010	Screen Length: <u>20</u> feet from <u>48</u> feet to <u>28</u> feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8</i>	1 st Surface Casing Length: <u>48</u> feet from <u>48</u> feet to <u>0</u> feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <u>22</u> feet from <u>48</u> feet to <u>26</u> feet		
Filter Pack Seal Material and Size:	<i>30/65 Fine Sand</i>		Filter Pack Seal Length: <u>2</u> feet from <u>26</u> feet to <u>24</u> feet		
Surface Seal Material:	<i>Portland Cement (Grout)</i>		Surface Seal Length: <u>24</u> feet from <u>24</u> feet to <u>0</u> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/6/22</i>	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing in feet): <i>38.62</i>		
Pumping Rate (gallons per minute): <i>~1.5</i>	Maximum Drawdown of Groundwater During Development (feet): <i>0.14</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>~90</i>	Development Duration (minutes): <i>60</i>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>Muddy, Tan, no odor</i>		Water Appearance (color and odor) At End of Development: <i>clear, no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by *JS*
Checked by *JS*

BORING LOG

Boring/Well Number: <i>WMD-69(5288)</i>		Permit Number:		FDEP Facility Identification Number:	
Site Name: <i>Jackson Blue</i>		Borehole Start Date: <i>4/6/22</i>		Borehole Start Time: <i>0930</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
		End Date: <i>4/6/22</i>		End Time: <i>1035</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
Environmental Contractor: <i>Wood</i>		Geologist's Name: <i>Z.Lawson</i>		Environmental Technician's Name: <i>Z.Lawson</i>	
Drilling Company: <i>PDS</i>		Pavement Thickness (inches): <i>NA</i>		Borehole Diameter (inches): <i>4"</i>	
				Borehole Depth (feet): <i>65</i>	
Drilling Method(s): <i>Sonic</i>		Apparent Borehole DTW (in feet from soil moisture content): <i>~35</i>		Measured Well DTW (in feet after water recharges in well): <i>38.62</i>	
				OVA (list model and check type): <i>NA</i> <input type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other					
<i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Silty Sand, fine, moist, Tan/Brown, no odor	SM	M	
PH	1-2	12	NA	NA	NA	NA	2	Silty Sand, fine, moist, Tan/Brown no odor	SM	M	
PH	2-3	12	NA	NA	NA	NA	3	Silty Sand, fine, moist, Tan/Brown, no odor	SM	M	
PH	3-4	12	NA	NA	NA	NA	4	Silty Sand, fine, moist, Tan/Brown no odor	SM	M	
PH	4-5	12	NA	NA	NA	NA	5	Silty Sand, fine, moist, Tan/Brown, no odor	SM	M	
SC	5-10	60	NA	NA	NA	NA	10	Silty Sand, fine, moist, Tan/Brown, no odor	SM	M	
SC	10-15	60	NA	NA	NA	NA	15	Silty Sand, fine, moist, Tan, no odor	SM	M	
SC	15-20	60	NA	NA	NA	NA	20	Clayey Sand, fine to VF, moist, Tan no odor	SC	M	
SC	20-25	60	NA	NA	NA	NA	25	Clayey Sand, fine to VF, moist, Tan, no odor, Poor returns ~ 2.5'	SC	M	
SC	25-30	60	NA	NA	NA	NA	30	Clayey Sand, fine to VF, moist, Tan crushed limestone, coarse, sat, white Poor returns ~ 2.5'	SC	D	
SC	30-35	60	NA	NA	NA	NA	35	Crushed limestone, coarse, sat, Tan/white, no odor, Poor returns ~ 2.5'	GC	S	
SC	35-40	60	NA	NA	NA	NA	40	Crushed limestone w/sand, coarse, sat, white/grey, no odor, Poor returns ~ 2.5'	GC	S	
SC	40-45	60	NA	NA	NA	NA	45	Sand w/crushed limestone, coarse, sat, Tan, no odor, Poor returns ~ 2'	GC	S	
SC	45-50	60	NA	NA	NA	NA	50	Sand w/crushed limestone, coarse, sat, Tan, no odor, Poor returns ~ 2'	GC	S	
SC	50-55	60	NA	NA	NA	NA	55	Crushed limestone, coarse, sat, Tan/white, no odor Poor returns ~ 2.5'	GC	S	
SC	55-60	60	NA	NA	NA	NA	60	Crushed limestone, coarse, sat, Tan/white, no odor	GC	S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>GMW-C</i>	Site Name: <i>Jackson Blue</i>	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/7/22</i>		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:					
Borehole Depth (feet): <i>58</i>	Well Depth (feet): <i>58</i>	Borehole Diameter (inches): <i>8'</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <i>2</i> feet by <i>2</i> feet	
Riser Diameter and Material: <i>4" SCH 40 PVC</i>		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <i>20</i> feet <i>38</i> from <i>58-38</i> feet to <i>38-0</i> feet		
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: <i>0.010</i>	Screen Length: <i>20</i> feet from <i>58</i> feet to <i>38</i> feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8"</i>	1 st Surface Casing Length: <i>58</i> feet from <i>58</i> feet to <i>0</i> feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <i>22</i> feet from <i>58</i> feet to <i>36</i> feet		
Filter Pack Seal Material and Size:	<i>30/65 Fine Sand</i>		Filter Pack Seal Length: <i>2</i> feet from <i>36</i> feet to <i>34</i> feet		
Surface Seal Material:	<i>Portland Cement (Grout)</i>		Surface Seal Length: <i>34</i> feet from <i>34</i> feet to <i>0</i> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/7/22</i>	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing in feet): <i>43.04</i>		
Pumping Rate (gallons per minute): <i>~1.5</i>	Maximum Drawdown of Groundwater During Development (feet): <i>-0.17</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>~160</i>	Development Duration (minutes): <i>105</i>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>muddy, Tan, no odor</i>		Water Appearance (color and odor) At End of Development: <i>clear, no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by *32*
 Checked by *[Signature]*

BORING LOG

Boring/Well Number: <i>GMW-C</i>		Permit Number:		FDEP Facility Identification Number:	
Site Name: <i>Jackson Blue</i>		Borehole Start Date: <i>4/7/22</i>		Borehole Start Time: <i>0910</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
		End Date: <i>4/7/22</i>		End Time: <i>1050</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
Environmental Contractor: <i>Wood</i>		Geologist's Name: <i>Z.Lawson</i>		Environmental Technician's Name: <i>Z.Lawson</i>	
Drilling Company: <i>PDS</i>		Pavement Thickness (inches): <i>NA</i>		Borehole Diameter (inches): <i>4"</i>	
				Borehole Depth (feet): <i>65'</i>	
Drilling Method(s): <i>Sonic</i>		Apparent Borehole DTW (in feet from soil moisture content): <i>~40</i>		Measured Well DTW (in feet after water recharges in well): <i>42.87</i>	
				OVA (list model and check type): <i>NA</i> <input type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	<i>Silty Sand, fine, moist, Tan, no odor</i>	<i>SM</i>	<i>M</i>	
PH	1-2	12	NA	NA	NA	NA	2	<i>Silty Sand, fine, moist, Tan, no odor</i>	<i>SM</i>	<i>M</i>	
PH	2-3	12	NA	NA	NA	NA	3	<i>Silty Sand, fine, moist, Tan, no odor</i>	<i>SM</i>	<i>M</i>	
PH	3-4	12	NA	NA	NA	NA	4	<i>Silty Sand, fine, moist, Tan, no odor</i>	<i>SM</i>	<i>M</i>	
PH	4-5	12	NA	NA	NA	NA	5	<i>Silty Sand, fine, moist, Tan, no odor</i>	<i>SM</i>	<i>M</i>	
SC	5-10	60	NA	NA	NA	NA	10	<i>Sandy clay, fine, Dry, Grey, very stiff, low plasticity, no odor</i>	<i>CL</i>	<i>D</i>	
SC	10-15	60	NA	NA	NA	NA	15	<i>Clayey Sand, fine, Dry, Tan/Grey, no odor</i>	<i>SC</i>	<i>D</i>	
SC	15-20	60	NA	NA	NA	NA	20	<i>Silty Sand, fine, Dry, Tan/Grey, no odor</i>	<i>SM</i>	<i>D</i>	
SC	20-25	60	NA	NA	NA	NA	25	<i>Silty Sand, fine, moist, Tan, no odor</i>	<i>SM</i>	<i>M</i>	
SC	25-30	60	NA	NA	NA	NA	30	<i>Sand/clay mix w/ ⁵⁵ fine gravel pieces, fine-coarse, wet, Tan/white/grey, no odor</i>	<i>CL</i>	<i>W</i>	
SC	30-35	60	NA	NA	NA	NA	35	<i>Silty Sand, fine, Sat @ 30-35, moist @ 33-35, Tan/Grey/white, no odor</i>	<i>SM</i>	<i>S/M</i>	
SC	35-40	60	NA	NA	NA	NA	40	<i>Silty sand, fine, moist, Tan/Brown, no odor</i>	<i>SM</i>	<i>M</i>	
SC	40-45	60	NA	NA	NA	NA	45	<i>Clayey Sand, fine, wet, Tan/Grey, no odor</i>	<i>SC</i>	<i>W</i>	
SC	45-50	60	NA	NA	NA	NA	50	<i>Sand/clay mix, fine to VP, Sat, Tan/Grey, soft, high plasticity, no odor</i>	<i>CL</i>	<i>S</i>	
SC	50-55	60	NA	NA	NA	NA	55	<i>Sand w/ crushed limestone, fine, Sat, Tan/white, no odor</i>	<i>SC</i>	<i>S</i>	
SC	55-60	60	NA	NA	NA	NA	60	<i>Sand w/ crushed limestone, fine, Sat, white, no odor</i>	<i>SP</i>	<i>S</i>	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>GMW-6D</i>		Site Name: <i>Jackson Blue</i>		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input checked="" type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Date(s): <i>4/11/22</i>	
If AG, list feet of riser above land surface:				Well Install Method: SONIC	
				Surface Casing Install Method: <i>Sonic</i>	
Borehole Depth (feet): <i>86</i>	Well Depth (feet): <i>86</i>	Borehole Diameter (inches): <i>8</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <i>4" SCH 40 PVC</i>		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <u>76</u> feet from <u>76</u> feet to <u>0</u> feet		
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: 0.010	Screen Length: <u>10</u> feet from <u>86</u> feet to <u>76</u> feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8</i>	1 st Surface Casing Length: <u>86</u> feet from <u>86</u> feet to <u>0</u> feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <u>12</u> feet from <u>86</u> feet to <u>74</u> feet		
Filter Pack Seal Material and Size:	<i>30/65 Fine Sand</i>		Filter Pack Seal Length: <u>2</u> feet from <u>74</u> feet to <u>72</u> feet		
Surface Seal Material:	<i>Portland Cement (Grout)</i>		Surface Seal Length: <u>72</u> feet from <u>72</u> feet to <u>0</u> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/11/22</i>		Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): <i>21.44</i>	
Pumping Rate (gallons per minute): <i>~2.0</i>	Maximum Drawdown of Groundwater During Development (feet): <i>2.79</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>~180</i>	Development Duration (minutes): <i>90</i>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>Muddy, Brown, no odor</i>		Water Appearance (color and odor) At End of Development: <i>clear, no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by *38*
Checked by *85*

BORING LOG

Boring/Well Number: <i>GWM-6D</i>		Permit Number:		FDEP Facility Identification Number:	
Site Name: Jackson Blue		Borehole Start Date: <i>4/11/22</i>	Borehole Start Time: <i>0920</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: <i>4/11/22</i>	End Time: <i>1125</i> <input type="checkbox"/> AM <input type="checkbox"/> PM
Environmental Contractor: Wood		Geologist's Name: Z.Lawson		Environmental Technician's Name: Z.Lawson	
Drilling Company: PDS		Pavement Thickness (inches): <i>NA</i>	Borehole Diameter (inches): <i>4"</i>	Borehole Depth (feet): <i>95</i>	
Drilling Method(s): Sonic	Apparent Borehole DTW (in feet from soil moisture content): <i>~30</i>	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA <input type="checkbox"/> FID <input type="checkbox"/> PID		
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Sand, fine, moist, Tan, no odor	SP	M	
PH	1-2	12	NA	NA	NA	NA	2	Sand, fine, moist, Tan, no odor	SP	M	
PH	2-3	12	NA	NA	NA	NA	3	Sand, fine, moist, Tan, no odor	SP	M	
PH	3-4	12	NA	NA	NA	NA	4	Sand, fine, moist, Tan, no odor	SP	M	
PH	4-5	12	NA	NA	NA	NA	5	Sand, fine, moist, Tan, no odor	SP	M	
SC	5-10	60	NA	NA	NA	NA	10	Silty sand, fine, moist, Tan/red, no odor	SM	M	
SC	10-15	60	NA	NA	NA	NA	15	Silty sand, fine, moist, Tan/red, no odor	SM	M	
SC	15-20	60	NA	NA	NA	NA	20	Clayey, silty sand, fine to VF, Dry, Tan, no odor	SM/SC	D	
SC	20-25	60	NA	NA	NA	NA	25	Sand Silty sand, fine (20-25) sand w/ fine gravel, coarse, wet, Tan/red, no odor	SM	W	
SC	25-30	60	NA	NA	NA	NA	30	Sand w/ fine gravel, coarse, wet, Tan/red, no odor	SP	W	
SC	30-35	60	NA	NA	NA	NA	35	Sand w/ fine gravel, coarse, Sat, Tan/red, no odor	SP	S	
SC	35-40	60	NA	NA	NA	NA	40	Sand/clay mix w/ fine gravel, LF layer, fine to VF, wet to Sat, Tan/red/pink, no odor	SP/SC	W/S	
SC	40-45	60	NA	NA	NA	NA	45	Clayey sand w/ fine gravel, coarse to fine, Sat, Tan/red, no odor	SC	S	
SC	45-50	60	NA	NA	NA	NA	50	Clayey sand w/ fine gravel, coarse to fine, Sat, Tan/red, no odor	SC	S	
SC	50-55	60	NA	NA	NA	NA	55	Clayey sand w/ fine gravel, coarse to fine, Sat, Tan/Brown, no odor	SC	S	
SC	55-60	60	NA	NA	NA	NA	60	Clayey sand w/ fine gravel, coarse to VF, Sat, Tan/red, no odor	SC	S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: <i>GWM-6D</i>			FDEP Facility Identification Number:				Site Name: Jackson Blue		Borehole Start Date: <i>4/11/22</i> End Date: <i>4/11/22</i>		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SC	<i>60-65</i>	<i>60</i>	NA	NA	NA	NA	65 <i>65</i>	<i>Sand/clay mix, coarse to VF, Sat, Tan/white, med soft, med Plasticity, no odor</i>	SC	S	
SC	<i>65-70</i>	<i>60</i>	NA	NA	NA	NA	<i>70</i>	<i>Clayey Sand, coarse to fine, Sat, Tan/white, no odor</i>	SC	S	
SC	70-75	<i>0</i>	NA	NA	NA	NA	<i>75</i>	<i>NO Returns</i>	-	-	
SC	<i>75-80</i>	<i>60</i>	NA	NA	NA	NA	<i>80</i>	<i>Clayey Sand, coarse to fine, Sat, Tan/white, no odor</i>	SC	S	
SC	80-85 <i>80-85</i>	<i>60</i>	NA	NA	NA	NA	<i>85</i>	<i>Clayey sand w/ crushed limestone, coarse to fine, Sat, Tan/Black, no odor</i>	SC	S	
SC	<i>85-90</i>	<i>60</i>	NA	NA	NA	NA	<i>90</i>	<i>crushed limestone w/ shell, coarse, Sat, Tan/white, no odor</i>	GC	S	
SC	90-95 <i>90-95</i>	<i>60</i>	NA	NA	NA	NA	<i>95</i>	<i>crushed limestone w/ shell, coarse, Sat, Tan/white, no odor</i>	GC	S	
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>GWM-65</i>	Site Name: <i>Jackson Blue</i>	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/12/22</i>		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:				Surface Casing Install Method: <i>SONIC</i>	
Borehole Depth (feet): <i>46</i>	Well Depth (feet): <i>46</i>	Borehole Diameter (inches): <i>8</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: <i>4" SCH 40 PVC</i>	Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <i>26</i> feet from <i>46</i> feet to <i>26</i> feet			
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: <i>0.010</i>		Screen Length: <i>26</i> feet from <i>26</i> feet to <i>26</i> feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8</i>		1 st Surface Casing Length: <i>46</i> feet from <i>46</i> feet to <i>0</i> feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <i>22</i> feet from <i>46</i> feet to <i>24</i> feet		
Filter Pack Seal Material and Size:	<i>30/65 Fine Sand</i>		Filter Pack Seal Length: <i>2</i> feet from <i>24</i> feet to <i>22</i> feet		
Surface Seal Material:	<i>Portland Cement (Grout)</i>		Surface Seal Length: <i>22</i> feet from <i>22</i> feet to <i>0</i> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/12/22</i>	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): <i>21.52</i>	
Pumping Rate (gallons per minute): <i>22</i>	Maximum Drawdown of Groundwater During Development (feet): <i>5.61</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>120</i>	Development Duration (minutes): <i>60</i>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>Muddy / Brown / no odor</i>		Water Appearance (color and odor) At End of Development: <i>Clear / no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by ZL
Checked by CL

BORING LOG

Boring/Well Number: GWM-65		Permit Number:		FDEP Facility Identification Number:	
Site Name: Jackson Blue		Borehole Start Date: 4/12/22	Borehole Start Time: 1020 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 4/12/22	End Time: 1115 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Environmental Contractor: Wood		Geologist's Name: Z.Lawson		Environmental Technician's Name: Z.Lawson	
Drilling Company: PDS		Pavement Thickness (inches): NA	Borehole Diameter (inches): 4"	Borehole Depth (feet): 50	
Drilling Method(s): Sonic	Apparent Borehole DTW (in feet from soil moisture content): ~30	Measured Well DTW (in feet after water recharges in well):		OVA (list model and check type): NA <input type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Sand, Fine, Moist, Tan/Brown, no odor	SP	M	
PH	1-2	12	NA	NA	NA	NA	2	Sand, Fine, Moist, Tan/Brown, no odor	SP	M	
PH	2-3	12	NA	NA	NA	NA	3	Sand, Fine, Moist, Tan/Brown, no odor	SP	M	
PH	3-4	12	NA	NA	NA	NA	4	Sand, Fine, Moist, Tan, no odor	SP	M	
PH	4-5	12	NA	NA	NA	NA	5	Sand, Fine, Moist, Tan, no odor	SP	M	
SC	5-10	60	NA	NA	NA	NA	10	Sand, Fine, Dry, Tan/Brown/orange, no odor	SP	D	
SC	10-15	60	NA	NA	NA	NA	15	Silty Sand, Fine, Moist, Tan/orange, no odor	SM	M	
SC	15-20	60	NA	NA	NA	NA	20	Silty Sand, Fine, Moist, Tan/Brown/orange, no odor	SM	M	
SC	20-25	60	NA	NA	NA	NA	25	(20-22) Silty sand, (22-25) Sand, Fine, wet, Tan/Brown/orange, no odor	SM, SP	W	
SC	25-30	60	NA	NA	NA	NA	30	Sand, Sat, Fine → med, Tan, no odor	SP	S	
SC	30-35	60	NA	NA	NA	NA	35	Sand w/ fine gravel, fine to coarse, Tan/orange, no odor	SP	S	
SC	35-40	60	NA	NA	NA	NA	40	(35-37) Sand w/ fine gravel, fine to coarse, Tan/orange, no odor (37-40) Sand & clay, Fine, Sat, Tan/orange, slight, high plastic	SP, CL	S	
SC	40-45	60	NA	NA	NA	NA	45	(40-45) Sand w/ fine gravel, Sat, coarse, Tan/orange, no odor	SP, SL	S	
SC	45-50	60	NA	NA	NA	NA	50	(45-50) Sand w/ fine gravel, coarse, Sat, Tan/orange, no odor	SP, SL	S	
SC	50-55	60	NA	NA	NA	NA	55				
SC	55-60	60	NA	NA	NA	NA	60				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>GWM-7</i>	Site Name: <i>Jackson Blue</i>	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/15/22</i>		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:				Surface Casing Install Method: <i>Sonic</i>	
Borehole Depth (feet): <i>51</i>	Well Depth (feet): <i>51</i>	Borehole Diameter (inches): <i>8"</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <u> 2 </u> feet by <u> 2 </u> feet	
Riser Diameter and Material: <i>4" SCH 40 PVC</i>		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <u> 31 </u> feet from <u> 31 </u> feet to <u> 0 </u> feet		
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: <i>0.010</i>	Screen Length: <u> 20 </u> feet from <u> 51 </u> feet to <u> 31 </u> feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8</i>	1 st Surface Casing Length: <u> 51 </u> feet from <u> 51 </u> feet to <u> 0 </u> feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: <u> </u> feet from <u> </u> feet to <u> </u> feet		
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <u> 22 </u> feet from <u> 51 </u> feet to <u> 29 </u> feet		
Filter Pack Seal Material and Size:		<i>30/65 Fine Sand</i>	Filter Pack Seal Length: <u> 2 </u> feet from <u> 29 </u> feet to <u> 27 </u> feet		
Surface Seal Material: <i>Portland Cement (Grout)</i>		Surface Seal Length: <u> 27 </u> feet from <u> 27 </u> feet to <u> 0 </u> feet			

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/15/22 / 4/18/22</i>		Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): <i>22.27 / 22.28</i>	
Pumping Rate (gallons per minute): <i>~1.5 / ~1.6</i>	Maximum Drawdown of Groundwater During Development (feet): <i>0.2 / 0.04</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>~180</i>	Development Duration (minutes): <i>120/48</i>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>Muddy, orange/Tan, no odor / Cloudy/none</i>		Water Appearance (color and odor) At End of Development: <i>cloudy, no odor / Clear/none / BT.2.MTU</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by ZL
Checked by CL

BORING LOG

Boring/Well Number: <i>GWM-7</i>		Permit Number:		FDEP Facility Identification Number:	
Site Name: Jackson Blue		Borehole Start Date: <i>4/15/22</i> End Date: <i>4/15/22</i>		Borehole Start Time: <i>0850</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM End Time: <i>1005</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
Environmental Contractor: Wood		Geologist's Name: Z.Lawson		Environmental Technician's Name: Z.Lawson	
Drilling Company: PDS		Pavement Thickness (inches): <i>NA</i>		Borehole Diameter (inches): <i>4"</i>	
Drilling Method(s): Sonic		Apparent Borehole DTW (in feet from soil moisture content):		Measured Well DTW (in feet after water recharges in well):	
Disposition of Drill Cuttings [check method(s)]:		OVA (list model and check type):		NA <input type="checkbox"/> FID <input type="checkbox"/> PID	
Borehole Completion (check one):		<input checked="" type="checkbox"/> Well		<input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)	

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Sand, Fine, Dry, Tan/grey/orange, no odor	SP	D	
PH	1-2	12	NA	NA	NA	NA	2	Sand, Fine, Dry, Tan/grey/orange, no odor	SP	D	
PH	2-3	12	NA	NA	NA	NA	3	Sand, Fine, Dry, Tan/grey/orange, no odor	SP	D	
PH	3-4	12	NA	NA	NA	NA	4	Silty Sand, Dry, Fine, Tan/grey/orange, no odor	SM	D	
PH	4-5	12	NA	NA	NA	NA	5	Silty Sand, Fine, Dry, Tan/grey/orange, no odor	SM	D	
SC	5-10	60	NA	NA	NA	NA	10	Sandy clay, Fine, Dry, Tan/grey/orange, stiff, low plasticity, no odor	CL	D	
SC	10-15	60	NA	NA	NA	NA	15	Sandy clay, Fine, Dry, Tan/grey/orange, stiff, low plasticity, no odor	CL	D	
SC	15-20	60	NA	NA	NA	NA	20	Sandy clay, Fine, Moist, Orange/grey, stiff, med plasticity, no odor	CL	M	
SC	20-25	60	NA	NA	NA	NA	25	Sandy clay w/ fine gravel, coarse to fine, Sat, orange, stiff, no odor, med plasticity	CL	S	
SC	25-30	60	NA	NA	NA	NA	30	Sandy clay w/ fine gravel, fine to coarse (25-27) Sat, 67-70 wet, stiff, med plastic, orange, no odor	CL	SW	
SC	30-35	60	NA	NA	NA	NA	35	Sandy clay w/ fine gravel, fine to coarse, wet, med soft, med plastic, Tan/grey, no odor	CL	W	
SC	35-40	60	NA	NA	NA	NA	40	Sandy clay w/ fine gravel, fine to coarse, Sat, wet, med soft, med plastic, Tan/grey, no odor	CL	W	
SC	40-45	<i>50/80</i>	NA	NA	NA	NA	45	Sandy clay w/ fine gravel, fine to coarse, Sat, med soft, med plastic, Tan/grey, no odor, parietum's	CL	S	
SC	45-50	60	NA	NA	NA	NA	50	Sand w/ crushed limestone, coarse, Sat, Tan/blk, no odor	SP	S	
SC	50-55	60	NA	NA	NA	NA	55	Sand w/ crushed limestone, coarse, Sat, Tan/blk, no odor	SP	S	
SC	55-60	60	NA	NA	NA	NA	60				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: <i>GWM-45</i>	Site Name: Jackson Blue	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/14/22</i>		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:		Surface Casing Install Method: <i>Senic</i>			
Borehole Depth (feet): <i>70</i>	Well Depth (feet): <i>70</i>	Borehole Diameter (inches): <i>8</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: 4" SCH 40 PVC	Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <u>50</u> feet from <u>50</u> feet to <u>0</u> feet			
Screen Diameter and Material: 4" SCH 40 PVC 0.010 Slot		Screen Slot Size: 0.010		Screen Length: <u>20</u> feet from <u>70</u> feet to <u>50</u> feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8</i>		1 st Surface Casing Length: <u>70</u> feet from <u>70</u> feet to <u>0</u> feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/30 Sand	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <u>22</u> feet from <u>70</u> feet to <u>48</u> feet		
Filter Pack Seal Material and Size: 30/65 Fine Sand		Filter Pack Seal Length: <u>2</u> feet from <u>48</u> feet to <u>46</u> feet			
Surface Seal Material: Portland Cement (Grout)		Surface Seal Length: <u>46</u> feet from <u>46</u> feet to <u>0</u> feet			

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/14/22</i>	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): <i>23.83</i>	
Pumping Rate (gallons per minute): <i>~1.5</i>	Maximum Drawdown of Groundwater During Development (feet): <i>0.06</i>		Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>~135</i>	Development Duration (minutes): <i>90</i>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>Muddy, Tan, no odor</i>		Water Appearance (color and odor) At End of Development: <i>clear / no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by ZL
Checked by CI

BORING LOG

Boring/Well Number: <u>GWM-45</u>		Permit Number:		FDEP Facility Identification Number:	
Site Name: <u>Jackson Blue</u>		Borehole Start Date: <u>4/14/22</u>		Borehole Start Time: <u>1135</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
		End Date: <u>4/14/22</u>		End Time: <u>1250</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
Environmental Contractor: <u>Wood</u>		Geologist's Name: <u>Z.Lawson</u>		Environmental Technician's Name: <u>Z.Lawson</u>	
Drilling Company: <u>PDS</u>		Pavement Thickness (inches): <u>NA</u>		Borehole Diameter (inches): <u>8 1/4</u>	
				Borehole Depth (feet): <u>70</u>	
Drilling Method(s): <u>Sonic</u>		Apparent Borehole DTW (in feet from soil moisture content): <u>~40</u>		Measured Well DTW (in feet after water recharges in well):	
				OVA (list model and check type): <u>NA</u> <input type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other					
(describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Sand, Fine, Moist, Tan/Orange, no odor	SP	M	
PH	1-2	12	NA	NA	NA	NA	2	Sand, Fine, Moist, Tan/Orange, no odor	SP	M	
PH	2-3	12	NA	NA	NA	NA	3	Sand, Fine, Moist, Tan/Orange, no odor	SP	M	
PH	3-4	12	NA	NA	NA	NA	4	Sand, Fine, Moist, Tan/Orange, no odor	SP	M	
PH	4-5	12	NA	NA	NA	NA	5	Sandy fine, Moist, Tan/Orange, no odor	SP	M	
SC	5-10	60	NA	NA	NA	NA	10	Sand, Fine, Moist, Tan/Orange, no odor	SP	M	
SC	10-15	60	NA	NA	NA	NA	15	Silty Sand, Fine, Dry, Tan/Orange/Grey, no odor	SM	D	
SC	15-20	60	NA	NA	NA	NA	20	Silty Sand, Fine, Dry, Tan/Orange/Grey, no odor	SM	D	
SC	20-25	60	NA	NA	NA	NA	(20-23) Clayed Sand, Fine, moist, Tan/Grey, no odor (23-25) Sand/clay med to fine, moist, stiff, low plastic	SC CL	M		
SC	25-30	60	NA	NA	NA	NA	30	Sand/clay mix, med to fine, moist, Tan/grey, stiff, low plastic, no odor	SC	M	
SC	30-35	60	NA	NA	NA	NA	35	no returns	/	/	
SC	35-40	60	NA	NA	NA	NA	40	Silty Sand, med to fine, Sat, Tan/Grey/black no odor - Per Returns ~1.5'	SM	S	
SC	40-45	60	NA	NA	NA	NA	45	Sand, med to fine, Sat, Tan/grey, no odor	SP	S	
SC	45-50	60	NA	NA	NA	NA	50	Sand, med, Sat, Tan/grey, no odor	SP	S	
SC	50-55	60	NA	NA	NA	NA	55	Sand, med, Sat, Tan/grey, no odor	SP	S	
SC	55-60	60	NA	NA	NA	NA	60	Sand/Moist Sand mix, med to fine, Sat, Tan/grey/Brown, no odor, D 59-60	SP SL	S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: <i>BWM-45</i>		FDEP Facility Identification Number:				Site Name: Jackson Blue		Borehole Start Date: <i>4/14/22</i> End Date: <i>4/14/22</i>			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SC	60-65		NA	NA	NA	NA	65	Crushed limestone/clay mix, coarse → VF, Silt, Tan, No odor, Soft, ^{Med} plasticity	GC	S	
SC	65-70		NA	NA	NA	NA	70	Crushed limestone/clay mix, coarse → VF, Silt, Tan, No odor, Soft, med plasticity	GC	S	
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA				
Well Number: <i>GWM-417</i>	Site Name: <i>Jackson Blue</i>	FDEP Facility I.D. Number:	Well Install Date(s): <i>4/14/22</i>	
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input checked="" type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC
If AG, list feet of riser above land surface:				
Borehole Depth (feet): <i>110</i>	Well Depth (feet):	Borehole Diameter (inches): <i>8</i>	Manhole Diameter (inches): <i>8 1/2</i>	Well Pad Size: <i>2</i> feet by <i>2</i> feet
Riser Diameter and Material: <i>4" SCH 40 PVC</i>	Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: <i>100</i> feet from <i>0</i> feet to <i>100</i> feet		
Screen Diameter and Material: <i>4" SCH 40 PVC 0.010 Slot</i>		Screen Slot Size: <i>0.010</i>	Screen Length: <i>10</i> feet from <i>110</i> feet to <i>100</i> feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches): <i>8</i>	1 st Surface Casing Length: <i>110</i> feet from <i>110</i> feet to <i>0</i> feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: <i>20/30 Sand</i>	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: <i>12</i> feet from <i>110</i> feet to <i>98</i> feet	
Filter Pack Seal Material and Size:		<i>30/65 Fine Sand</i>	Filter Pack Seal Length: <i>2</i> feet from <i>98</i> feet to <i>96</i> feet	
Surface Seal Material: <i>Portland Cement (Grout)</i>		Surface Seal Length: <i>96</i> feet from <i>96</i> feet to <i>0</i> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <i>4/14/22</i>	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing in feet): <i>23.72</i>		
Pumping Rate (gallons per minute): <i>~ 1.5</i>	Maximum Drawdown of Groundwater During Development (feet): <i>0.16</i>	Well Purged Dry (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <i>~70</i>	Development Duration (minutes): <i>45</i>	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <i>cloudy, Tan, no odor</i>		Water Appearance (color and odor) At End of Development: <i>clear, no odor</i>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by ZL

Checked by CL

BORING LOG

Boring/Well Number: <i>BWM-417</i>		Permit Number:		FDEP Facility Identification Number:	
Site Name: Jackson Blue		Borehole Start Date: <i>4/12/22</i>		Borehole Start Time: <i>1535</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
		End Date: <i>4/12/22</i>		End Time: <i>1740</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
Environmental Contractor: Wood		Geologist's Name: Z.Lawson		Environmental Technician's Name: Z.Lawson	
Drilling Company: PDS		Pavement Thickness (inches): <i>NA</i>		Borehole Diameter (inches): <i>8" 4"</i>	
				Borehole Depth (feet): <i>110</i>	
Drilling Method(s): Sonic		Apparent Borehole DTW (in feet from soil moisture content): <i>~45</i>		Measured Well DTW (in feet after water recharges in well): <i>23.88</i>	
				OVA (list model and check type): NA <input type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Sand, fine, Dry, Tan/Brown, no odor	SP	D	
PH	1-2	12	NA	NA	NA	NA	2	Sand, fine, Dry, Tan/Brown, no odor	SP	D	
PH	2-3	12	NA	NA	NA	NA	3	Sand, fine, Dry, Tan/Brown, no odor	SP	D	
PH	3-4	12	NA	NA	NA	NA	4	Sand, fine, Dry, Tan/Brown, no odor	SP	D	
PH	4-5	12	NA	NA	NA	NA	5	Sand, fine, Dry, Tan/Brown, no odor	SP	D	
SC	5-10	60	NA	NA	NA	NA	10	Silty Sand, fine, Dry, Tan/brown, no odor	SM	D	
SC	10-15	60	NA	NA	NA	NA	15	Silty Sand, fine, Dry, Tan/Black, no odor	SM	D	
SC	15-20	60	NA	NA	NA	NA	20	Silty Sand, fine, Dry, Tan/Black, no odor	SM	D	
SC	20-25	60	NA	NA	NA	NA	25	Sandy clay, fine, moist, grey, stiff, low plasticity, no odor	CL	M	
SC	25-30	60	NA	NA	NA	NA	30	clayey sand, fine, moist, grey, no odor	SC	M	
SC	30-35	60	NA	NA	NA	NA	35	clayey sand, fine, wet, tan/grey, no odor	SC	W	
SC	35-40	60	NA	NA	NA	NA	40	Sand, med, wet, Tan/grey, no odor	SP	W	
SC	40-45	60	NA	NA	NA	NA	45	Sand, med, sat, Tan/grey, no odor	SP	S	
SC	45-50	60	NA	NA	NA	NA	50	Sand, med, sat, Tan/grey, no odor	SP	S	
SC	50-55	60	NA	NA	NA	NA	(50-52) Sand, med, sat, Tan/grey, no odor (52-55) clayey sand, fine, sat, Brown/Black, no odor	SP SC	S		
SC	55-60	60	NA	NA	NA	NA	(55-57) clayey sand, fine, sat, Brown/Black, no odor (57-60) crusty manganese w/shell, Tan, sat, coarse	SC SP	S		

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: GWM-417		FDEP Facility Identification Number:			Site Name: Jackson Blue		Borehole Start Date: 4/12/22 End Date: 4/12/22				
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SC	60-65	60	NA	NA	NA	NA	65	Clay w/ crushed limestone shell, Fine, Sat, Tan, Soft, low plasticity, no odor	CL	S	
SC	65-70	60	NA	NA	NA	NA	70	Clay w/ crushed limestone shell, Fine, Sat, Tan, Soft, low plasticity, no odor	CL	S	
SC	70-75	60	NA	NA	NA	NA	75	Crushed limestone shell, Coarse, Sat, Tan, no odor	GP	S	
SC	75-80	24	NA	NA	NA	NA	80	Crushed limestone w/ shell, coarse, Sat, Tan, no odor - poor returns ~2'	GP	S	
SC	80-85	60	NA	NA	NA	NA	85	Crushed limestone w/ shell, coarse, Sat, Tan, no odor	GP	S	
SC	85-90	60	NA	NA	NA	NA	90	Crushed limestone w/ shell, coarse, Sat, Tan, no odor	GP	S	
SC	90-95	60	NA	NA	NA	NA	95	Crushed limestone w/ shell, coarse, Sat, Tan, no odor	GP	S	
SC	95-100	60	NA	NA	NA	NA	100	Crushed limestone w/ shell, coarse, Sat, Tan, no odor	GP	S	
SC	100-105	60	NA	NA	NA	NA	105	Crushed limestone w/ shell, coarse, Sat, Tan, no odor	GP	S	
SC	105-110	60	NA	NA	NA	NA	110	Crushed limestone w/ shell, coarse, Sat, Tan, no odor	GP	S	
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: GWM-1	Site Name: Jackson Blue	FDEP Facility I.D. Number: _____	Well Install Date(s): 4/19/22		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:		Surface Casing Install Method: Sonic			
Borehole Depth (feet): 95	Well Depth (feet): 88	Borehole Diameter (inches):	Manhole Diameter (inches): 8	Well Pad Size: 2 feet by 2 feet	
Riser Diameter and Material: 4" SCH 40 PVC		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: 68 feet from 0 feet to 68 feet		
Screen Diameter and Material: 4" SCH 40 PVC 0.010 Slot		Screen Slot Size: 0.010	Screen Length: 20 feet from 68 feet to 88 feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet		
Filter Pack Material and Size: 20/30 Sand	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: 22 feet from 66 feet to 88 feet		
Filter Pack Seal Material and Size:	30/65 Fine Sand		Filter Pack Seal Length: 2 feet from 64 feet to 66 feet		
Surface Seal Material:	Portland Cement (Grout)		Surface Seal Length: 64 feet from 0 feet to 64 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 4/19/22	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)	Depth to Groundwater (before developing in feet): 67.71		
Pumping Rate (gallons per minute): 1.4	Maximum Drawdown of Groundwater During Development (feet): 0.41	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 126	Development Duration (minutes): 90	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: Trx/none / >1000 NTU		Water Appearance (color and odor) At End of Development: Clear/none / 7.4 NTU	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by
Checked by

BORING LOG

Boring/Well Number: GWM-1		Permit Number: _____		FDEP Facility Identification Number: _____	
Site Name: Jackson Blue		Borehole Start Date: 4/19/22	Borehole Start Time: 0930	<input type="checkbox"/> AM	<input type="checkbox"/> PM
		End Date: 4/19/22	End Time: 124	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM
Environmental Contractor: Wood		Geologist's Name: Z. Lawson		Environmental Technician's Name: Z. Lawson	
Drilling Company: PDS		Pavement Thickness (inches): 0	Borehole Diameter (inches): 8	Borehole Depth (feet): 95	
Drilling Method(s): Sonic		Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): NA <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input type="checkbox"/> Drum <input checked="" type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-1	12	NA	NA	NA	NA	1	Silty Sand, F-M, Brown, drs, N.O.	SM	D	
PH	1-2	12	NA	NA	NA	NA	2	Silty Sand, F-M, Brown, noddy	SM	D	
PH	2-3	12	NA	NA	NA	NA	3	Silty Sand, F-M, Brown, noddy	SM	D	
PH	3-4	12	NA	NA	NA	NA	4	Silty Sand, Clay, vt-f, orange, N.O.	SM	D	
PH	4-5	12	NA	NA	NA	NA	5	Silty Sand, Clay, vt-f, orange, N.O.	SM	D	
SC	5-10	60	NA	NA	NA	NA	10	Sandy Clay, vt-f, orange, soft, 1-2% plasticity	SC	M	
SC	10-15	60	NA	NA	NA	NA	15	Clayey sand, vt-f, tan-orange, N.O.	SC	M	
SC	15-20	60	NA	NA	NA	NA	20	Clayey sand, vt-f, tan, light orange, N.O.	SC	M	
SC	20-25	60	NA	NA	NA	NA	25	Clayey sand, vt-f, tan, light orange, N.O.	SC	M	
SC	25-30	60	NA	NA	NA	NA	30	Silty Sandy Clay, m-l, plas, soft, tan-orange, N.O.	SL	W	
SC	30-35	60	NA	NA	NA	NA	35	Clayey sand, soft, low plas, vt-f, red, N.O.	SC	W	
SC	35-40	60	NA	NA	NA	NA	40	Clayey sand, orange, vt-f, orange, N.O.	SC	W	
SC	40-45	60	NA	NA	NA	NA	45	Clayey sand, orange, vt-f, orange, N.O.	SC	W	
SC	45-50	60	NA	NA	NA	NA	50	Clayey sand, orange, vt-f, orange, N.O.	SC	W	
SC	50-55	60	NA	NA	NA	NA	55	SAA/53.5-55 Clay, m-plas, stiff, N.O.	SC	W	
SC	55-60	60	NA	NA	NA	NA	60	Clayey sand, vt-f, tan, N.O.	SC	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: GWM-1		FDEP Facility Identification Number:			Site Name: Jackson Blue		Borehole Start Date: 4/19/22		End Date: 4/19/22		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SC	60/65	60	NA	NA	NA	NA	65	Clayey Sand, vt-p, tan, N.O.	SC	W	
SC	65/70	60	NA	NA	NA	NA	70	Sand, F-M, tan, N.O.	SW	W	
SC	70/75	60	NA	NA	NA	NA	75	Crushed Limestone, F-course gravel, white, N.O.	GM	S	
SC	75/80	60	NA	NA	NA	NA	80	Crushed Limestone, F-course gravel, white, N.O.	GM	S	
SC	80/85	60	NA	NA	NA	NA	85	Crushed Limestone, F-course gravel, white, N.O.	GM	S	
SC	85/90	60	NA	NA	NA	NA	90	Crushed Limestone, F-course gravel, white, N.O.	GM	S	
SC	90/95	60	NA	NA	NA	NA	95	Crushed Limestone, F-course gravel, white, N.O.	GM	S	
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: GWM-8	Site Name: Jackson Blue	FDEP Facility I.D. Number:	Well Install Date(s): 4/18/22		
Well Location and Type (check appropriate boxes): <input type="checkbox"/> On-Site <input checked="" type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: SONIC	
If AG, list feet of riser above land surface:		Surface Casing Install Method: SONIC			
Borehole Depth (feet): 67	Well Depth (feet): 67	Borehole Diameter (inches): 8	Manhole Diameter (inches): 12-8	Well Pad Size: 2 feet by 2 feet	
Riser Diameter and Material: 4" SCH 40 PVC		Riser/Screen Connections: <input checked="" type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: from 0 feet to 47 feet		
Screen Diameter and Material: 4" SCH 40 PVC 0.010 Slot		Screen Slot Size: 0.010	Screen Length: from 47 feet to 67 feet		
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: from ___ feet to ___ feet		
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: from ___ feet to ___ feet		
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: from ___ feet to ___ feet		
Filter Pack Material and Size: 20/30 Sand	Prepacked Filter Around Screen (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: from 45 feet to 67 feet		
Filter Pack Seal Material and Size:		30/65 Fine Sand	Filter Pack Seal Length: from 43 feet to 45 feet		
Surface Seal Material:		Portland Cement (Grout)	Surface Seal Length: from 0 feet to 43 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 4/18/22	Well Development Method (check one): <input checked="" type="checkbox"/> Surge/Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.12	
Pumping Rate (gallons per minute): 1.4	Maximum Drawdown of Groundwater During Development (feet): 10.07	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one): <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 94	Development Duration (minutes): 67	Development Water Drummed (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: tan/none 71000NTU		Water Appearance (color and odor) At End of Development: clear/none 42.0NTU	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

Prepared by _____
 Checked by **CL**

BORING LOG

Boring/Well Number: GWM-8		FDEP Facility Identification Number: _____				Site Name: Jackson Blue		Borehole Start Date: 4/15/22 End Date: 4/19/22			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SC	60-65	60	NA	NA	NA	NA	65	crushed limestone, f-course, white, sat, no odor	SP	S	
SC	65-70	60	NA	NA	NA	NA	70	crushed limestone, f-course, white, sat, no odor	SP	S	
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					
			NA	NA	NA	NA					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

Attachment E

Professional Land Survey Maps

JACKSON BLUE JACKSON COUNTY, FLORIDA MONITORING WELL SURVEY



MONITORING WELL = 1

SCALE
1" = 30'

LEGEND & ABBREVIATIONS:
 = MONITORING WELL



MONITORING WELL = 2

SCALE
1" = 40'

 SSMC SUE • SURVEY • GIS	
SOUTHEASTERN SURVEYING AND MAPPING CORPORATION 1130 Highway 90 Chipley, Florida 32428 e-mail: info@southesternsurveying.com Certification Number: LB2108	
Project: SPECIFIC PURPOSE SURVEY JACKSON COUNTY FLORIDA Drawn By: C. CORBITT, SR. Scale: VARIES	BY: _____ REVISION: _____ SHEET NUMBER 1 OF 5 NOT VALID WITHOUT SHEETS 1 THROUGH 5
Certified to: WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. Date: 09-12-2022	
DRAWING NUMBER 67811001 SHEET NUMBER 1 OF 5	

THOMAS F. WEAD, PSM
Registered Land Surveyor
Number: 3664

JACKSON BLUE JACKSON COUNTY, FLORIDA MONITORING WELL SURVEY



MONITORING WELL = 3 DEEP
TOP OF LID ELEVATION = 123.30'
TOP OF CASING ELEVATION = 122.91'
GROUND ELEVATION = 123.18'
NORTHING = 631417.53
EASTING = 1780020.89
LATITUDE = N30°44'05.35"
LONGITUDE = W85°05'59.56"

MONITORING WELL = 3 SHALLOW
TOP OF LID ELEVATION = 123.34'
TOP OF CASING ELEVATION = 122.88'
GROUND ELEVATION = 123.00'
NORTHING = 631415.38
EASTING = 1780025.53
LATITUDE = N30°44'05.33"
LONGITUDE = W85°05'59.51"

MONITORING WELL = 3 SHALLOW
MONITORING WELL = 3 DEEP

SCALE
1" = 30'

LEGEND & ABBREVIATIONS:
△ = MONITORING WELL



MONITORING WELL = 4 DEEP
TOP OF LID ELEVATION = 113.60'
TOP OF CASING ELEVATION = 113.04'
GROUND ELEVATION = 113.29'
NORTHING = 663449.03
EASTING = 1794131.32
LATITUDE = N30°49'23.08"
LONGITUDE = W85°03'19.68"

MONITORING WELL = 4 SHALLOW
TOP OF LID ELEVATION = 113.33'
TOP OF CASING ELEVATION = 112.71'
GROUND ELEVATION = 113.41'
NORTHING = 663447.60
EASTING = 1794136.24
LATITUDE = N30°49'23.07"
LONGITUDE = W85°03'19.62"

MONITORING WELL = 4 SHALLOW
MONITORING WELL = 4 DEEP

SCALE
1" = 30'

BY	REVISION	REVISION DATE	DESCRIPTION

SPECIFIC PURPOSE SURVEY
JACKSON COUNTY
FLORIDA
Drawn By: C. CORBITT SR.
Scale: 1" = VARIES
Field Date: 05-12-2022

SEE SHEET 1 FOR NOTES,
LEGEND AND DESCRIPTION.

DRAWING NUMBER
67811001
SHEET
NUMBER
2 OF 5

SOUTHEASTERN SURVEYING
AND MAPPING CORPORATION
1130 Highway 90
Chipley, Florida 32428
e-mail: info@southesternsurveying.com
Certification Number: LB2108

SHEET NUMBER 2 OF 5
NOT VALID WITHOUT SHEETS
1 THROUGH 5

JACKSON BLUE
 JACKSON COUNTY, FLORIDA
 MONITORING WELL SURVEY



MONITORING WELL = 5 SHALLOW
 TOP OF LID ELEVATION = 112.61'
 TOP OF CASING ELEVATION = 112.20'
 GROUND ELEVATION = 112.31'
 NORTHING = 664530.98
 EASTING = 1776133.24
 LATITUDE = N30°49'32.88"
 LONGITUDE = W85°06'46.15"

MONITORING WELL = 5 DEEP
 TOP OF LID ELEVATION = 112.35'
 TOP OF CASING ELEVATION = 111.95'
 GROUND ELEVATION = 112.31'
 NORTHING = 664530.68
 EASTING = 1776137.74
 LATITUDE = N30°49'32.88"
 LONGITUDE = W85°06'46.10"

MONITORING WELL = 5 SHALLOW
 MONITORING WELL = 5 DEEP

SCALE
 1" = 20'

LEGEND & ABBREVIATIONS:
 = MONITORING WELL



MONITORING WELL = 6 SHALLOW
 TOP OF LID ELEVATION = 127.60'
 TOP OF CASING ELEVATION = 127.12'
 GROUND ELEVATION = 127.63'
 NORTHING = 706091.82
 EASTING = 1789785.46
 LATITUDE = N30°56'24.90"
 LONGITUDE = W85°04'11.96"

MONITORING WELL = 6 DEEP
 TOP OF LID ELEVATION = 127.67'
 TOP OF CASING ELEVATION = 127.06'
 GROUND ELEVATION = 127.66'
 NORTHING = 706092.79
 EASTING = 1789780.29
 LATITUDE = N30°56'24.91"
 LONGITUDE = W85°04'12.02"

MONITORING WELL = 6 SHALLOW
 MONITORING WELL = 6 DEEP

SCALE
 1" = 20'

SHEET NUMBER 3 OF 5
 NOT VALID WITHOUT SHEETS
 1 THROUGH 5

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SOUTHEASTERN SURVEYING
 AND MAPPING CORPORATION
 1130 Highway 90
 Chipley, Florida 32428
 e-mail: info@southesternsurveying.com
 Certification Number LB2108

REVISION	DATE	BY

Project: SPECIFIC PURPOSE SURVEY
 JACKSON COUNTY
 FLORIDA
 Scale: 1" = VARIES
 Drawn By: C. CORBITT SR.
 Field Date: 05-12-2022

SEE SHEET 1 FOR NOTES,
 LEGEND AND DESCRIPTION.

DRAWING NUMBER
 67811001
 SHEET
 NUMBER
 3 OF 5

JACKSON BLUE
 JACKSON COUNTY, FLORIDA
 MONITORING WELL SURVEY



MONITORING WELL = 7

SCALE
 1" = 10'

LEGEND & ABBREVIATIONS:
 = MONITORING WELL



MONITORING WELL = 8

SCALE
 1" = 20'

SEE SHEET 1 FOR NOTES,
 LEGEND AND DESCRIPTION.

DRAWING NUMBER
 67811001
 SHEET
 NUMBER

4 OF 5

Project: SPECIFIC PURPOSE SURVEY
 JACKSON COUNTY
 FLORIDA
 Field Date: 05-12-2022
 Drawn By: C. CORBITT SR.
 Scale: 1" = VARIES

REVISION DATE	REVISION	BY

SOUTHEASTERN SURVEYING
 AND MAPPING CORPORATION
 1130 Highway 90
 Chipley, Florida 32428
 e-mail: info@southesternsurveying.com
 Certification Number LB2108



SHEET NUMBER 4 OF 5
 NOT VALID WITHOUT SHEETS
 1 THROUGH 5

JACKSON BLUE JACKSON COUNTY, FLORIDA MONITORING WELL SURVEY



MONITORING WELL = C

SCALE
1" = 60'

LEGEND & ABBREVIATIONS:
 = MONITORING WELL



MONITORING WELL = 69 (5288)

SCALE
1" = 40'

REVISION DATE	REVISION	BY

Project: SPECIFIC PURPOSE SURVEY
 JACKSON COUNTY
 FLORIDA
 Drawn By: C. CORBITT SR.
 Scale: 1" = VARIES
 Field Date: 05-12-2022

SEE SHEET 1 FOR NOTES,
 LEGEND AND DESCRIPTION.

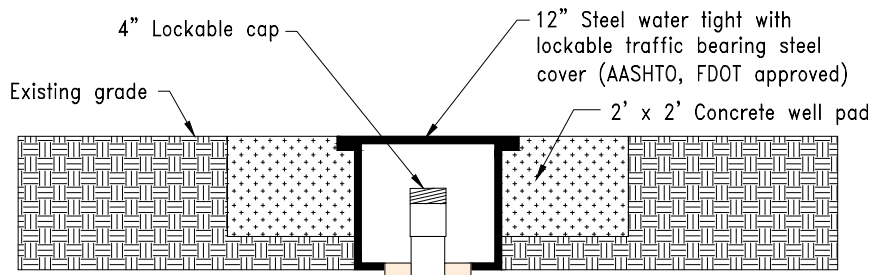
DRAWING NUMBER
 67811001
 SHEET
 NUMBER
 5 OF 5

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 Chipley, Florida 32428
 e-mail: info@southesternsurveying.com
 Certification Number LB2108

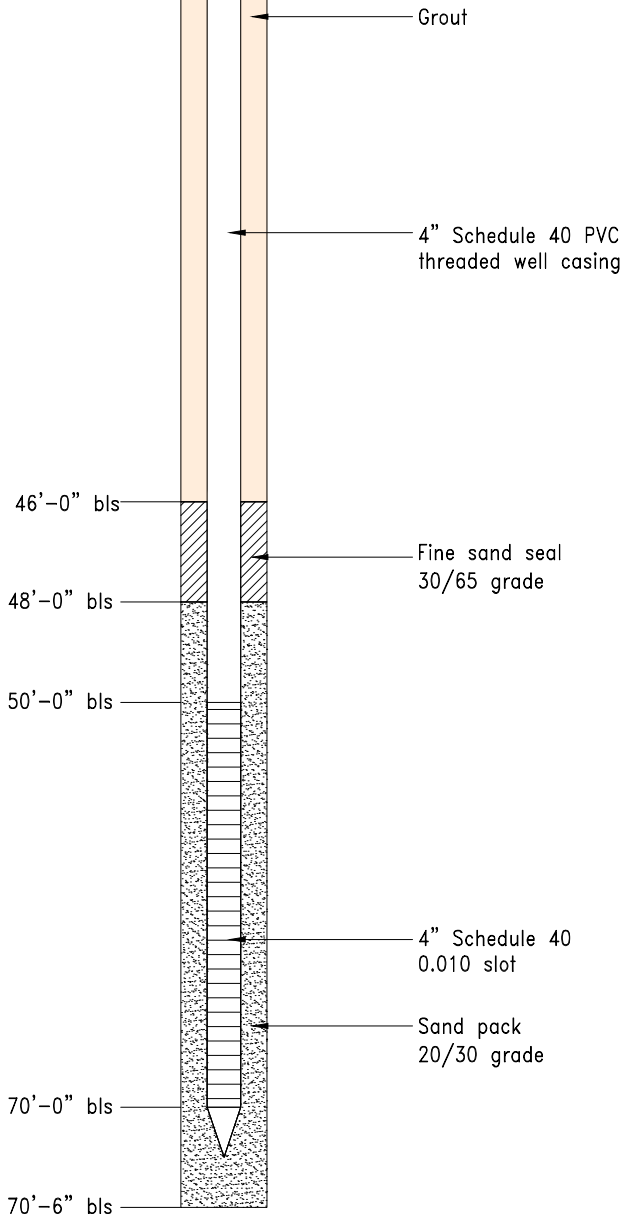
SHEET NUMBER 5 OF 5
 NOT VALID WITHOUT SHEETS
 1 THROUGH 5

Attachment F

Example Monitoring Well Diagrams



Well Number	GWM-4S
Development	4-14-2022
Type of well	Monitoring
Method Used	Sonic
Casing Diameter	8 inch
Casing Length	70 feet
Well Diameter	4 inch
Well Depth	70 feet
Well Material	PVC
Schedule	40
Screen Length	20
Slot Size	0.010 inch
Grout Length	46 feet
Filter Type	20/30
Filter Length	22 feet
Well Seal Type	30/65
Well Seal Length	2 feet



LEGEND	
PVC	Polyvinyl chloride
FDOT	Florida Department of Transportation
AASHTO	American Association of State Highway Transportation Officials
bls	Below land surface

NOT TO SCALE

PLOTTED: June 27, 2022 - 12:59 PM, BY: Burton, George A

**MONITORING WELL DIAGRAM
SHALLOW WELL GWM-4S**

NO.	DATE	REVISIONS	
0	Jun-22	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
CL	GB		

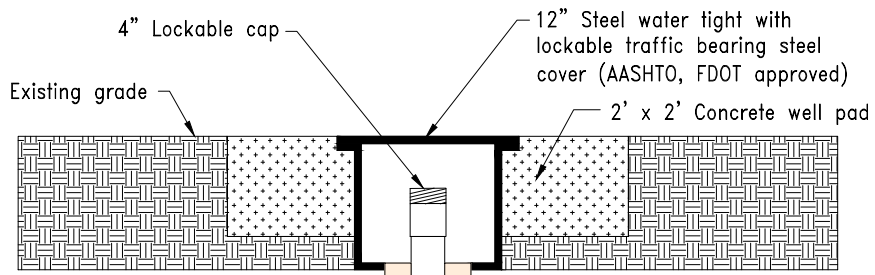
Environment & Infrastructure Solutions, Inc.
Tallahassee, Florida 850-656-1293

JACKSON BLUE SPRINGSHED

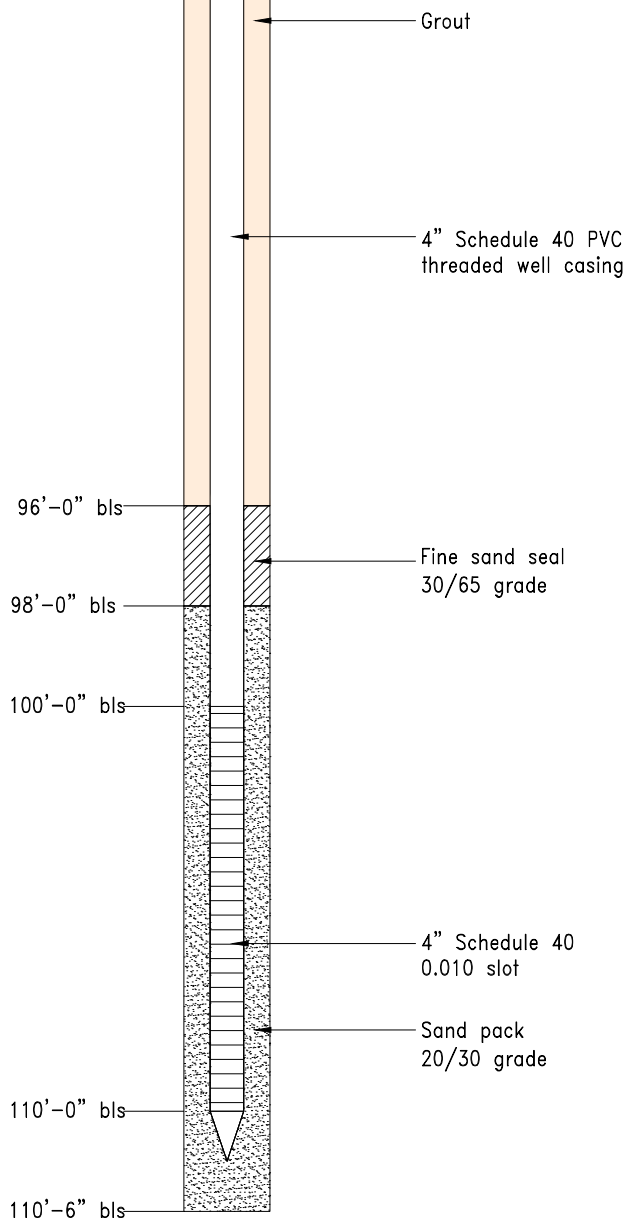
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FIGURE:
1

P:\CAD\Celeste\MW-DIAGRAM-GWM-4S.dwg



Well Number	GWM-4D
Development	4-14-2022
Type of well	Monitoring
Method Used	Sonic
Casing Diameter	8 inch
Casing Length	110 feet
Well Diameter	4 inch
Well Depth	110 feet
Well Material	PVC
Schedule	40
Screen Length	10
Slot Size	0.010 inch
Grout Length	96 feet
Filter Type	20/30
Filter Length	12 feet
Well Seal Type	30/65
Well Seal Length	2 feet



LEGEND	
PVC	Polyvinyl chloride
FDOT	Florida Department of Transportation
AASHTO	American Association of State Highway Transportation Officials
bls	Below land surface

NOT TO SCALE

PLOTTED: June 27, 2022 - 1:00 PM, BY: Burton, George A

**MONITORING WELL DIAGRAM
DEEP WELL GWM-4D**

NO.	DATE	REVISIONS	
0	Jun-22	Initial Submittal	
DESIGNED	DRAWN	CHECKED	DATE
CL	GB		

Environment & Infrastructure Solutions, Inc.
Tallahassee, Florida 850-656-1293

JACKSON BLUE SPRINGS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

FIGURE:
2