

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2026	2027	2028	2029	2030
Capital Expenditures	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Costs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budget Account No.: Fund 4011 Dept 721 Unit W004 Object 6541

Is Item Included in Current Budget? Yes X No

Does this item include the use of Federal Funds? Yes No X

Does this item include the use of State Funds? Yes No X

Reporting Category N/A

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time expenditure from user fees, connection fees and balance brought forward.

C. Department Fiscal Review: *Pony Soreman*

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

Lucy Mads 5/7/26
OFMB
EA 5/7
ESW 5.7.26

Trudi Mack 5/11/26
Contract Development and Control
267 5.11.26

B. Legal Sufficiency:

[Signature] 5/13/26
Assistant County Attorney

C. Other Department Review:

Department Director

CHANGE ORDER NO. 3
Palm Beach County Water Utilities Department
Wellfield Improvements Project-Phase 2
Resolution No. R2021-1923 Contract Dated 12/21/2021

Project Title: Wellfield Improvements Project Phase -2

PBCWUD Project No.: 19-022

Contractor: Florida Design Drilling LLC

Address: 7733 Hooper Road, West Palm Beach, FL 33411

Budget Line Item No.: 4011-721-W004-6541

District: 2 & 3

Notice to Proceed: 12/30/2021

The Contract provides for 11.58% SBE participation. This Change Order includes 0.00% overall SBE participation. The cumulative SBE participation, including this Change Order is 11.63%.

The Contract and this Change Order is subject to the County Emergency Ordinance 2025-014, approved by the Board of County Commissioners on June 3, 2025.

You are directed to make the following changes in this contract:

A Time extension of 317 calendar days (cd's) for the following scope items:

- 1) Address Variable Frequency Drives (VFD)-related delays affecting Water Treatment Plant (WTP-8) Interim Milestone No. 5 and Substantial Completion. 114 cd's are included for this work. See the enclosed documentation by JLA Geosciences, Inc., in Attachment F. No additional costs are related to this time extension.
- 2) Address manufacturer's related delay involving gravel required for the development of well 8W-17. 36 additional calendar days are included for this work. See the enclosed documentation by JLA Geosciences, Inc., in Attachment F. No additional costs are related to this time extension.
- 3) Additional development time at well 8W-23. 120 additional calendar days are included for this work. See the enclosed documentation by JLA Geosciences, Inc., in Attachment F. No additional costs are related to this time extension.
- 4) Address delay related to reconnection of electrical power at well 8W-6 by Florida Power and Light (FPL). 47 additional calendar days are included in this work. See the enclosed documentation by JLA Geosciences, Inc., in Attachment F. No additional costs are related to this time extension.

Total: \$0.00

All Attachments to this Change Order are made a part of this Change Order and incorporated herein.




NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES THEIR AGREEMENT HEREWITH INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE

CHANGE ORDER NO. 3
Palm Beach County Water Utilities Department
Wellfield Improvements Project-Phase 2
Resolution No. R2021-1923 Contract Dated 12/21/2021

The Original Contract Sum was.....	<u>\$9,944,000.00</u>
Net Change by previous Change Order.....	<u>\$248,640.73</u>
The Contract Sum prior to this Change Order was.....	<u>\$10,192,640.73</u>
The Contract Sum will be increased/decreased by this Change Order.....	<u>\$0.00</u>
The New Contract Sum indicating this Change Order will be.....	<u>\$10,192,640.73</u>
The Date of Substantial Completion prior to this Change Order was	<u>September 5, 2024</u>
The Date of Final Completion prior to this Change Order was	<u>October 5, 2024</u>
The Contract Time will be increased by.....	<u>317 calendar days</u>
The Date of Substantial Completion including this Change Order.....	<u>July 19, 2025</u>
The Date of Final Completion including this Change Order.....	<u>August 18, 2025</u>

CHANGE ORDER NO. 3
Palm Beach County Water Utilities Department
Wellfield Improvements Project – Phase 2
Resolution No. R2021-1923 Contract Dated 12/21/2021

Execution of this change order acknowledges final settlement of, and releases, all claims for costs and time associated, directly or indirectly, with the above stated modification(s), including all claims for cumulative delays or disruptions resulting from, caused by, or incident to such modification(s), and including any claim that the above stated modification(s) constitutes, in whole or part, a cardinal change to the contract.

<u>Florida Design Drilling LLC</u> CONTRACTOR 7733 Hooper Road West Palm Beach, FL 33411 <u>ADDRESS</u>  SIGNATURE <u>Brandon Holst</u> PRINT NAME <u>Vice President</u> TITLE <u>2/26/26</u> DATE	<u>JLA Geosciences, Inc.</u> GEOLOGIST 1907 Commerce Lane, Suite 104 Jupiter, FL 33458 <u>ADDRESS</u>  SIGNATURE <u>Rani K. Smith</u> PRINT NAME <u>Principal</u> TITLE <u>4/28/2026</u> DATE	<u>Palm Beach County</u> <u>Board of County Commissioners</u> OWNER 301 N. Olive Avenue West Palm Beach, FL 33401 <u>ADDRESS</u> <i>KB for AB</i>  SIGNATURE <u>Sara Baxter</u> PRINT NAME <u>Mayor</u> TITLE DATE
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STATE OF FLORIDA
 COUNTY OF Florida Palm beach

The foregoing instrument was acknowledged before me by means of physical presence or online notarization this 26 day of February, 2026 by _____ who is personally known to me or has produced _____ as identification.


 (Signature of Notary Public – State of Florida)

Michael Perez
 (Print, Type, or Stamp Commissioned Name of Notary Public)



Approved as to Form and Legal Sufficiency

By: 
 County Attorney

Attest: Joseph Abruzzo, Clerk of the Circuit Court & Comptroller, Palm Beach County

By: _____
 Deputy Clerk

CHANGE ORDER NO. 3
Palm Beach County Water Utilities Department
Wellfield Improvements Project-Phase 2
Resolution No. R2021-1923 Contract Dated 12/21/2021

LIST OF ATTACHMENTS

ATTACHMENT A	Change Order Summary and Categorization
ATTACHMENT B	Change Order Additions/Deletions Summary
ATTACHMENT C	OSBD Schedule 1 and Schedule 2
ATTACHMENT D	Location Map
ATTACHMENT E	Bond Rider (if applicable)
ATTACHMENT F	Supporting Documentation

REVISED 01-27-26

**ATTACHMENT A
CHANGE ORDER NO. 3 SUMMARY AND CATEGORIZATION**

Project Title: Wellfield Improvements Project-Phase 2

PBCWUD Project No.: 19-022

Resolution No.: R2021-1923

Item No.	C.O. Code	Scope of Work	Additions	(Deletions)	Net Change	Time
1	2	Project progress schedule critical path impacted due to Variable Frequency Driver (VFD) deliveries due to manufacturer's supply chain, logistics and supplier labor force issues.	\$0.00	\$0.00	\$0.00	114 calendar days
2	2	Project progress schedule critical path impacted due to approved gravel needed for the construction of wells no longer available due to changes in the local geological formation at the quarry.	\$0.00	\$0.00	\$0.00	36 calendar days
3	2	Project progress schedule critical path impacted due to development of well 8W-23 taking longer than originally scheduled, due to changes in the local geological formation at the construction site.	\$0.00	\$0.00	\$0.00	120 calendar days
4	2	Project progress schedule critical path impacted due to Florida Power and Light electrical power reconnection of well 8W-6 taking more time than normally.	\$0.00	\$0.00	\$0.00	47 calendar days
Total			\$0.00	\$0.00	\$0.00	317 calendar days

CHANGE ORDER CATEGORIZATION CODE

- 1) OWNER INITIATED
- 2) DIFFERING SITE CONDITIONS
- 3) ZONING/CODE/ORDINANCE CHANGES (REQUIREMENTS)
- 4) ERRORS/OMISSIONS IN DESIGN
- 5) QUANTITY OVERRUNS/UNDERRUNS
- 6) REQUEST BY ANOTHER AGENCY/OUTSIDE PARTY REIMBURSABLE
- 7) REQUEST BY ANOTHER AGENCY/OUTSIDE PARTY NON-REIMBURSABLE
- 8) OTHER [PROVIDE JUSTIFICATION VIA MEMO OR SCOPE OF WORK] _____

REVISED 01-27-26

**ATTACHMENT B
CHANGE ORDER ADDITIONS/DELETIONS SUMMARY**

Project Title: Wellfield Improvements Project-Phase 2
 Contractor: Florida Desing Drilling LLC
 PBCWUD Project No.: 19-022
 Resolution No.: R2021-1923
 Date Approved: 12/21/2021
 Contract Amount: \$10,192,640.73

APPROVAL LIMITS:

<u>Department Head</u>	<u>Contract Review Committee</u>
<u>Amount/Days</u>	<u>Amount/Days</u>
<u>Individual C.O.</u> \$100,000.00 - 180 Days	\$200,000.00 - 180 Days
<u>Cumulative C.O.</u> \$375,000.00 ¹ - 180 Days	\$375,000.00 ¹ - 180 Days

C.O. NO.	DATE APPROVED	NET CHANGE ²	DEPARTMENT HEAD (ADDS PLUS DEDUCTS)		CONTRACT REVIEW COMMITTEE (ADDS PLUS DEDUCTS)		TOTAL DEPT. HEAD & CONTRACT REVIEW COMM. (ADDS PLUS DEDUCTS)		BOARD OF COUNTY COMMISSIONERS (ADDS PLUS DEDUCTS)		TOTALS
			AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	
1	12/08/2022	\$29,810.06	\$29,810.06	0	\$0.00	0	\$29,810.06	0	\$0.00	0	\$29,810.06
2	03/17/2022	\$218,830.67	\$0.00	0	\$0.00	0	\$0.00	0	\$218,830.67	80	\$218,830.67
3	Pending	\$0.00	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	317	\$0.00
		\$248,640.73	\$29,810.06	0	\$0.00	0	\$29,810.06	0	\$218,830.67	397	\$248,640.73

NOTES:

1. Per PPM #CW-F-050, upon approval of the C.O. in the cumulative amount of \$375,000.00 or 10% of the original contract value must submit a Receive and File to the Board of County Commissioners and the cumulative value is reset
2. Net Change reflects the net amount of additions plus deductions.

REVISED 01-27-26

**ATTACHMENT C
OSBD SCHEDULE 1**

OFFICE OF SMALL BUSINESS DEVELOPMENT

REVISED 01-27-26

OSBD SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: Wellfield Improvements Project - Phase 2

SOLICITATION/PROJECT/BID NO.: 19-022

SOLICITATION OPENING/SUBMITTAL DATE: 2/9/26

COUNTY DEPARTMENT: Palm Beach County Water Utilities Department

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Florida Design Drilling LLC ADDRESS: 7733 Hooper Road, West Palm Beach, FL 33411

CONTACT PERSON: Brandon Holst PHONE NO.: 561-568-1231 E-MAIL: brandon@fidrilling.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: 0.00
 SBE Prime's must include their percentage or dollar amount in the Total Participation line under section B. Non-SBE SBE

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories)		DOLLAR AMOUNT OR PERCENTAGE OF WORK
	Non-SBE	SBE	
1.	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.	<input type="checkbox"/>	<input type="checkbox"/>	_____
3.	<input type="checkbox"/>	<input type="checkbox"/>	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	_____

(Please use additional sheets if necessary) Total 0
 Total Bid/Offer Price \$ 0.00 Total Certified SBE Participation \$ 0.00

I hereby certify that the above information is accurate to the best of my knowledge: Brandon Holst *Brandon Holst* Vice President
Name & Authorized Signature Title

- Note:**
- The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 - Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OSBD Affirmative Procurement Initiative (API). Please
 - Modification of this form is not permitted and will be rejected upon submittal.
 - If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation.

**ATTACHMENT C
OSBD SCHEDULE 2**

**OFFICE OF SMALL BUSINESS DEVELOPMENT
(Not Applicable)**

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REVISED 01-27-26

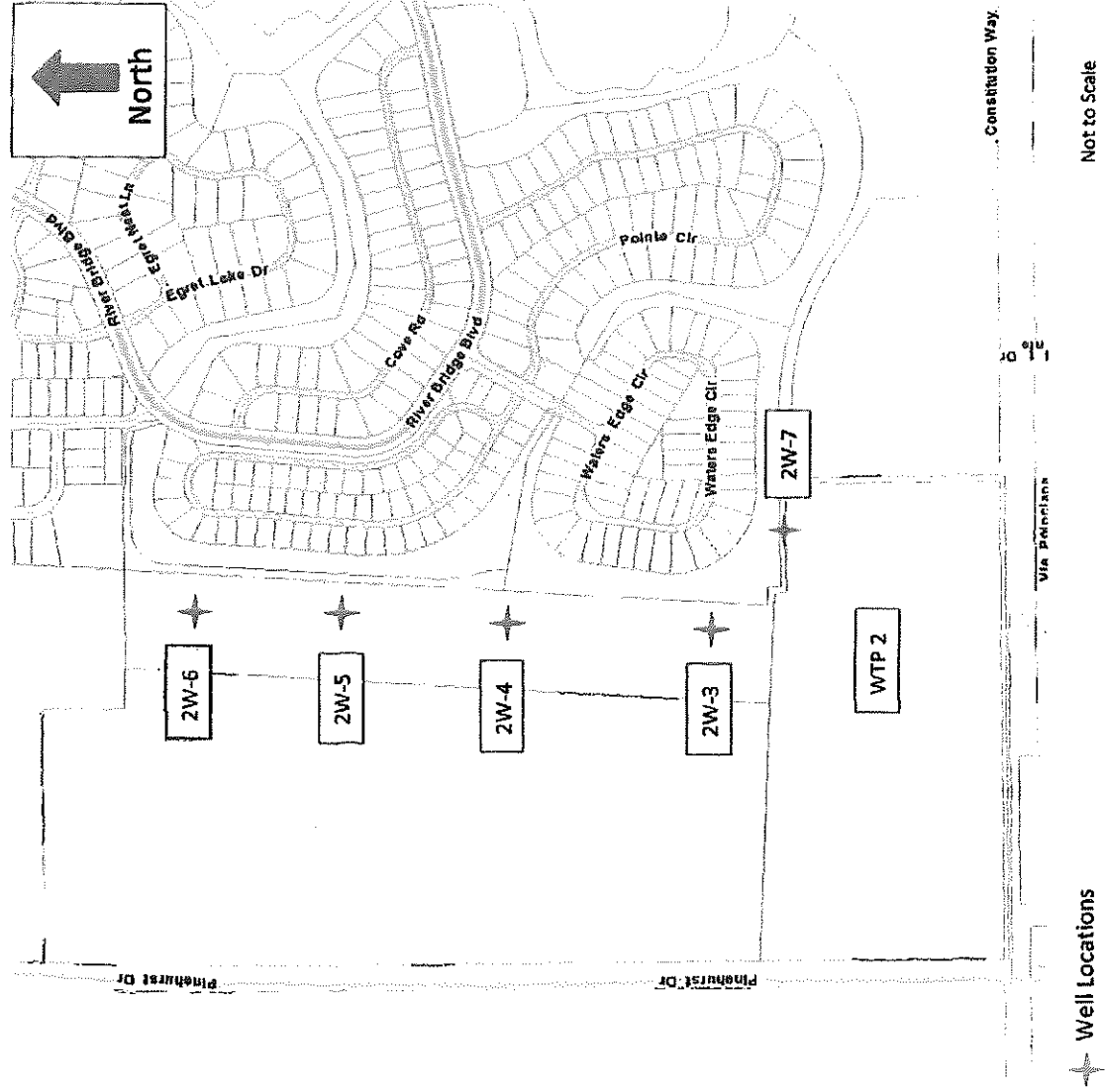
ATTACHMENT D

LOCATION MAP

PBCWUD Project No. 19-022 Ph. 2

REVISED 01-27-26

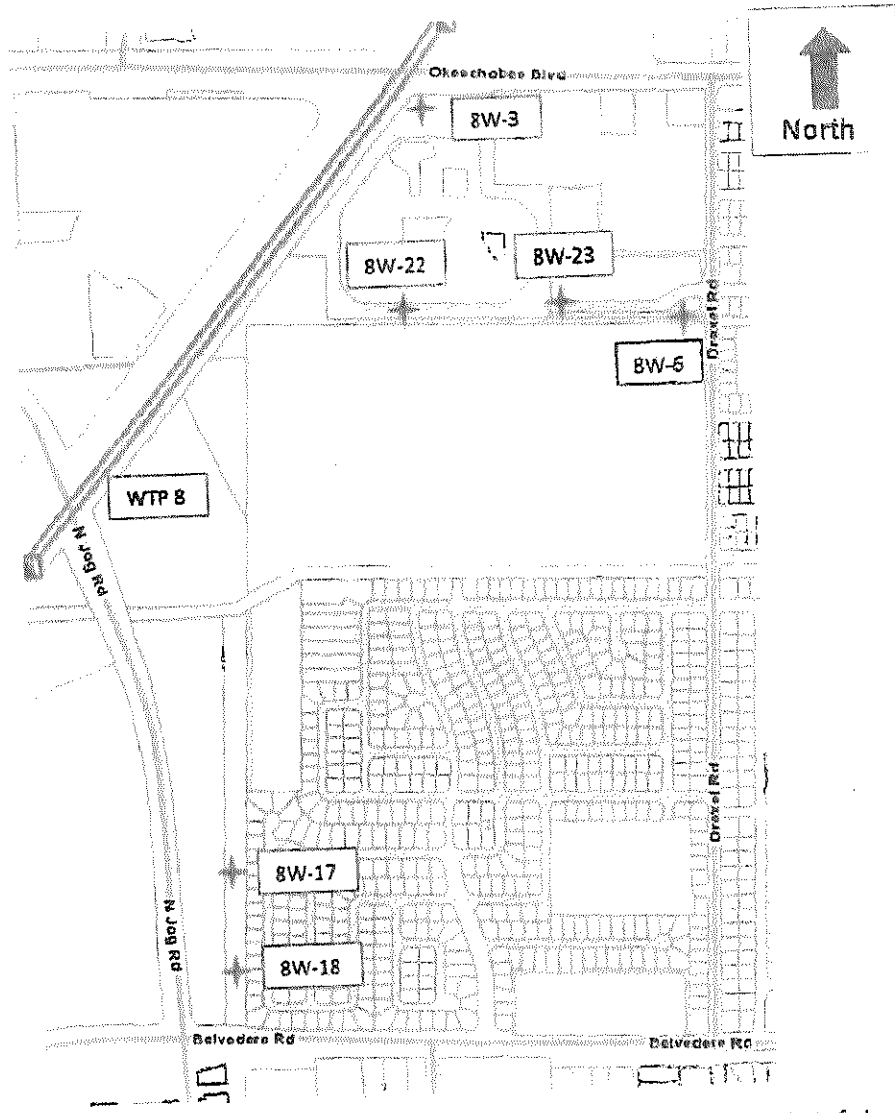
ATTACHMENT D
LOCATION MAP
PBCWUD Project No. 19-022



★ Well Locations

Not to Scale

ATTACHMENT D
LOCATION MAP
PBCWUD Project No. 19-022



★ Well Locations

Not to Scale

ATTACHMENT E

BOND RIDER
(Not Applicable)

REVISED 01-27-26

ATTACHMENT F

SUPPORTING DOCUMENTATION

REVISED 01-27-26



Milestone 5 & Substantial Completion Delays & Time Extension Request

Date: September 26th, 2025

Project: WUD 19-022 Phase 2 PBC Wellfield Improvements

To: Rani Smith, JLA Geosciences

Please accept this letter as notification of delay beyond our control related to the work required to achieve Milestone 5 and substantial completion. Wells 8W-17 and 8W-6 are both on the critical path and 8W-6 work could not begin until well 8W-17 was put into service.

8W-17 Delays

The VFD's for wells 8W-17 and 18 were quoted by the manufacturer with a 30 week lead time (210 days). We released the VFD's on 1/24/22 and they were received on 7/12/23 which is an actual lead time of 534 days. This resulted in a 324-day delay for the critical path activity of well 8W-17 VFD installation. FDD requested that 210 days be added to the contract with change order #002 as it was anticipated that would be sufficient at the time. However, based on the actual dates that work was completed, FDD is hereby requesting that the remaining **114 days** be added to the contract.

There was a delay associated with gravel procurement in the middle of this project that directly affected 8W-17. The gravel that was approved at the beginning of this project is a natural product. The quarry where this gravel was gathered stopped yielding gravel of a size appropriate for the wells' design. The supplier operating the quarry failed to provide us with sieve analyses meeting the contract specification several times and we were forced to look elsewhere. Finding another supplier with a product that met the contract specifications proved to be difficult. It took several months of searching all over the country and testing many different gravel samples, but we found one. Unfortunately, by the time we found a replacement product, we had already run out of the original gravel that we had purchased at the beginning of the project. This resulted in a **36-day** delay in the middle of constructing well 8W-17.

8W-23 Delays

Pump development at 8W-23 started on 4/17/24 and did not finish until 10/14/24. Development lasted a total of 187 days which is substantially more than typical for a surficial well. Typically, well development takes about 8 weeks. Therefore, FDD is hereby requesting **120 days** as a result of this delay.

Florida Design Drilling LLC
7733 Hooper Road, West Palm Beach, FL 33411
561-844-2966
State of Florida Water Well Contractor: 11148
State of Florida General Contractor: 1522104



8W-6 Delays

There was a delay at well 8W-6 associated with the meter relocation that was caused entirely by FPL. FDD requested on 1/7/25 the meter be reconnected. The meter was not actually reconnected until 3/1/25. This resulted in a 47-day delay.

8W-3 Delays

The conduit at 8W-3 was improperly installed by our subcontracted electrician, Pyke Electric. Pyke Electric failed to pull wire through the conduit that they installed at 8W-3. In an effort to complete this project expeditiously, FDD hired another subcontractor, Cyber Electric, to pull the wire. Cyber Electric was also unsuccessful. Pyke Electric is refusing to return to the site to remediate the work without a change order, citing design flaws. We are unable to corroborate Pyke's claims. Therefore, we are hiring Cyber Electric to remove the conduit that Pyke installed, properly reinstall new conduit per the contract documents, and finish the rest of the electrical work at 8W-3.

Pyke Electric made their first attempt to pull wire on 6/25/25. We anticipate that Cyber Electric will finish the work on 10/14/25. This is a delay of 112 days.

We hereby request an extension for Milestone 5 and substantial completion in the amount of four hundred sixteen (429) calendar days. The current deadline for Milestone 5 is 9/5/24 and the current deadline for substantial completion is also 9/5/24. The new deadline date for Milestone 5 and substantial completion will be November 8th, 2025 once this extension is incorporated into the contract.

Sincerely,

Brandon Holst
Vice President
Florida Drilling
561-568-1231
brandon@fldrilling.com

Florida Design Drilling LLC
7733 Hooper Road, West Palm Beach, FL 33411
561-844-2966
State of Florida Water Well Contractor: 11148
State of Florida General Contractor: 1522104

Time Impact Analysis

Project: WUD 19-022 Phase 2 PBC Wellfield Improvements
To: PBCWUD
From: JLA Geosciences, Inc., Cali Guenov, G.I.T., Rani Smith, P.G., & James Andersen, P.G.
Date: 9/26/2025
Subject: Response to 9/26/25 Time Extension Request – Milestone 5 & Substantial Completion

Background:

To date, Change Order Nos. 1 and 2 have been approved by PBCWUD. Change Order No. 1 did not modify the original contract duration. Change Order No. 2 granted additional time to Milestone 5 due to delays associated with variable frequency drive (VFD) procurement at WTP No. 8, adding 210 calendar days to Milestone 5 and 80 calendar days to substantial and final completion. These adjustments moved both Interim Milestone No. 5 and substantial completion from February 8, 2024 to September 5, 2024.

Although the actual VFD delay ultimately totaled 324 calendar days, Florida Design Drilling (FDD) requested only 210 days at that time. The current extension request seeks to account for the remaining duration as well as other delays as summarized in the items below.

The delays cited for this time extension request are related to the WTP No. 8 well work and most of the items fall on the WUD 19-022 Phase 2 project critical path.

Review of Contractor Request

FDD Request: 8W-17 Delays - VFD

- **Impact:** Delay to well 8W-17 completion activities.
- **Total Delay Claimed:** 114 calendar days.
- **Attribution:** Subcontractor performance/failure to execute contractual scope.

JLA Response: FDD has requested 114 calendar days for VFD-related delays affecting WTP No. 8 Interim Milestone No. 5 and substantial completion. As outlined in FDD's request, the VFDs for wells 8W-17 and 8W-18 were quoted by the manufacturer with a 30 week lead time (210 days). FDD released the VFD's on 1/24/22 and they were received on 7/12/23 — an actual lead time of 534 days. This resulted in a 324-day delay for the critical path activity of well 8W-17 VFD installation. Considering

the 210 days granted to FDD in Change Order No. 2, FDD is requesting the remaining 114 calendar days. The contractor's dates are consistent with JLA meeting notes and field records.

FDD Request: 8W-17 Delays - Gravel

- **Impact:** Delay to well 8W-17 completion activities.
- **Total Delay Claimed:** 36 calendar days.
- **Attribution:** Subcontractor performance/failure to execute contractual scope.

JLA Response: FDD has requested 36 calendar days for a manufacturer related delay involving gravel required during the development of well 8W-17. The original supplier of the submittal approved gravel could no longer provide the specified size, as gravel size is dependent on natural quarry yields. FDD stopped development at 8W-17 on 12/5/22 and resumed on 1/10/23, following delivery of gravel from a new supplier. The contractor's dates are consistent with JLA meeting notes and field records.

FDD Request: 8W-23 Delays – Development

- **Impact:** Delay to well 8W-23 completion activities.
- **Total Delay Claimed:** 120 calendar days.
- **Attribution:** Execution of additional development and optional contract scope.

JLA Response: FDD has requested 120 calendar days for additional development time at well 8W-23. Well development at 8W-23 began on 4/17/24 and was not completed until 10/11/24 for a total of 187 calendar days. Typically, FDD's schedule allocates 60 calendar days for well development. In addition to development, an exploratory well video was performed in June 2024 to evaluate the source of additional sand and silts being produced by the well during development. Based on the video, JLA recommended resuming jetting development, even though pump development was already underway. This supplemental activity, although contractually optional, was conducted to address site-specific conditions and support successful completion. The contractor's request for 120 calendar days (187 days total duration less the typical 60 days) aligns with JLA's field records.

FDD Request: 8W-6 Delays – FPL Meter Reconnection

- **Impact:** Delay to well 8W-6 completion activities.
- **Total Delay Claimed:** 47 calendar days.
- **Attribution:** Florida Power & Light performance/failure to execute meter reconnection in a reasonable duration.

JLA Response: FDD has requested 47 calendar days for a delay related to reconnection of power at well 8W-6 by Florida Power & Light (FPL). FDD requested on 1/7/25 the meter be reconnected. Typical reconnection timeframes are 5 to 7 days. On 1/13/25, FDD reached out again to FPL to request that the meter be reconnected as soon as possible, as PBCWUD required the well prior to the start of the dry season. FPL was unable to reconnect the meter until 3/1/25. Based on these dates, the requested 47 calendar days (1/13/25 through 3/1/25) corresponds with the documented outage and is consistent with project records.

FDD Request: 8W-3 Delays - Electrical Subcontractor Work

- **Impact:** Delay to well 8W-3 completion activities.
- **Total Delay Claimed:** 99 calendar days (June 25, 2025 [first pull attempt] to October 1, 2025).
- **Attribution:** Subcontractor performance/failure to execute contractual scope.

JLA Response: FDD has requested 112 calendar days for delays related to work performed by their subcontractor, Pyke Electric (Pyke). The original conduit installation were not installed according to the plans, and subsequent wire pulls were unsuccessful. Pyke Electric declined to perform corrective action without a change order. On 4/14/25, FDD, Pyke, PBCWUD, and PBCWUD Representatives met to discuss the issue. Pyke later attempted corrective work, but it was insufficient to meet contract requirements. As a result, FDD issued Pyke a notice of failure of performance on 7/18/25, for the conduit installation from the generator building to Well 8W-3. On 8/12/25, FDD notified the County of its intent to replace Pyke with Cyber Electric. Cyber Electric mobilized and began corrective work the week of 8/18/25. The baseline project schedule, (dated December 30, 2021) allocated seven (7) calendar days for this activity. According to the most recent FDD schedule update (Attachment 2), the duration of the corrective work extended to one hundred eighty-two (182) calendar days, representing a variance of 175 days from the baseline schedule. This 175 days variance is 63 days longer than 112 calendar days FDD is currently requesting. Following discussions with PBCWUD, this request for additional time was not approved.

ATTACHEMENT 1

PBC Veilified Improvementa Phase 2 (14-22) PDF-P00 17-Jan-22 08:41

Activity ID	Activity Name	Q1-1-2022												Total Hours	Activity Available	Finish		
		Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov				Dec	
A4900	Demolish existing conduit & cables	5	5	0	28-Nov-23	04-Dec-23	0%	40										
A4900	Put new cables to BWC-14 & terminate/strip	5	5	0	05-Dec-23	11-Dec-23	0%	40										
A4910	Put well BWC-14 online	0	0	0	0	11-Dec-23	0%	40										
A4850	Restore asphalt & sod	5	5	0	12-Dec-23	18-Dec-23	0%	149										



Actual Level of Effort
 Primary Baseline
 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone

ATTACHMENT 2

21203 - PBC Wellfield Improvements



Name	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Complete	Start	Finish	Total Points
01-2025 02-2025 03-2025 04-2025 05-2025 06-2025 07-2025 08-2025 09-2025 10-2025 11-2025 12-2025								
01 - General Requirements								
01 - General Requirements	A1000	0d	0d	0d	100.00%	01-06-25	01-06-25	166
Notes to Proceed	A1010	0d	0d	0d	100.00%	01-06-25	01-06-25	166
Milestones 1 - 20k SR Work Area Reduction (250 days 8/17/23)	A1020	22d	0d	0d	0.00%	01-06-25	01-06-25	166
Milestones 2 - 20k Electrical Work (257 days 12/22/23)	A1030	0d	0d	0d	100.00%	01-06-25	01-06-25	166
Milestones 3 - 20k SR & 20k-70 SR 1545 days (7/28/23)	A1040	0d	0d	0d	100.00%	01-06-25	01-06-25	166
Milestones 4 - 20k-5R & 21k-7R Completion (685 days 11/15/23)	A1050	0d	0d	0d	100.00%	01-06-25	01-06-25	166
Milestones 5 - All WTP & Well Completion (980 days 7/26/24)	A1060	0d	0d	0d	0.00%	01-06-25	01-06-25	166
Substantial Completion (10/26/23)	A1070	0d	0d	0d	0.00%	01-06-25	01-06-25	166
Final Completion (1/25/25)	A1080	0d	0d	0d	0.00%	01-06-25	01-06-25	166
Contract to Start Work @ Wells 7W-4, 5 & 6 (420 days 2/23/23)	A1090	0d	0d	0d	100.00%	01-06-25	01-06-25	166
Contract to Start 7W-3R Access Road (620 days 2/23/23)	A1100	0d	0d	0d	100.00%	01-06-25	01-06-25	166
Punchlist	A1110	22d	22d	0d	0.00%	01-06-25	01-06-25	166
05 - Submittal Review								
WTP & electrical materials	A3350	15d	0d	0d	100.00%	01-06-25	01-06-25	166
WTP & Basic Electrical Materials	A1120	15d	0d	0d	100.00%	01-06-25	01-06-25	166
Basic Well Drilling Materials	A1130	15d	0d	0d	100.00%	01-06-25	01-06-25	166
Wellheads	A1140	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Well screens	A1150	10d	0d	0d	100.00%	01-06-25	01-06-25	166
WTP & pumps & motors	A1160	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Underground cables	A1170	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Ductile iron pipe, fittings, support/recesses	A1180	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Underground valves	A1190	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Flowed valves	A1200	10d	0d	0d	100.00%	01-06-25	01-06-25	166
WTP & IEC	A1210	10d	0d	0d	100.00%	01-06-25	01-06-25	166
WTP & IEC	A1220	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Chain link fences & gates	A1230	15d	0d	0d	100.00%	01-06-25	01-06-25	166
Concrete mix designs	A1240	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Concrete mix designs	A1250	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Wind load calculations	A4840	15d	0d	0d	100.00%	01-06-25	01-06-25	166
Wind load calculations	A5020	15d	0d	0d	100.00%	01-06-25	01-06-25	166
Base Survey for WTP & Electrical test reports	A5040	54d	10d	44d	81.48%	01-06-25	15-Sep-25	28d
Misc metals	A1860	10d	0d	0d	100.00%	01-06-25	01-06-25	166
Shutdown transformers	A2500	15d	0d	0d	100.00%	01-06-25	01-06-25	166

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21203 - PBC Wellfield Improvements



Name	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Complete	Start	Finish	Total Float
Drill 22" borehole & log	A1340	2d	0d	3d	100.0%	24-Aug-22	31-Aug-22	
Install new 10' screen, casing & gravel pack	A1350	3d	0d	4d	100.0%	05-Sep-22	12-Sep-22	
Setup formation water disposal system	A1360	3d	0d	3d	100.0%	13-Sep-22	19-Sep-22	
Well development	A1370	40d	0d	24d	100.0%	25-Jun-22	28-Feb-23	
Pump testing & WVO sampling	A1390	2d	0d	1d	100.0%	01-Mar-23	02-Mar-23	
Final video & logging	A1400	1d	0d	0d	100.0%	03-Mar-23	03-Mar-23	
Install casing flange & wellhead	A1410	2d	0d	2d	100.0%	13-Mar-23	14-Mar-23	
Install RMA piping & pressure test	A1420	5d	0d	5d	100.0%	11-Mar-23	17-Mar-23	
Electric sub pump-in & install leads	A1430	10d	0d	10d	100.0%	27-Mar-23	07-Apr-23	
Install panels & instrument stands	A1440	5d	0d	5d	100.0%	15-Mar-23	20-Mar-23	
Flow rate test	A1450	5d	0d	5d	100.0%	22-Mar-23	26-Mar-23	
Pull & connect electrical wires	A1460	10d	0d	10d	100.0%	28-Mar-23	07-Apr-23	
Concrete startup	A1470	5d	0d	5d	100.0%	15-Mar-23	19-Mar-23	
Distribution & back sampling	A1480	5d	0d	5d	100.0%	15-Mar-23	19-Mar-23	
Witnessed startup & testing	A1500	5d	0d	4d	100.0%	26-Mar-23	02-Jun-23	
Health department clearance	A1510	20d	0d	17d	100.0%	30-Mar-23	19-Jun-23	
Put well 2W-3R into service	A1530	0d	0d	0d	100.0%	19-Jun-23	19-Jun-23	
Final restoration, landscaping & seeding	A1540	10d	0d	11d	100.0%	14-Aug-23	13-Sep-23	
Install step-down transformer	A1550	1d	0d	0d	100.0%	13-Mar-23	13-Mar-23	
Construct stabilized access driveway	A1570	5d	0d	10d	100.0%	31-Jul-22	13-Aug-22	
Install submersible pump	A1590	1d	0d	1d	100.0%	15-Jun-23	15-Jun-23	
10 - 2W-7R (Milestone 4)	3d	0d	0d	0d	100.0%	03-Jun-23	03-Jun-23	
Reel well 2W-7R offsite	A1570	0d	0d	0d	100.0%	03-Jun-23	03-Jun-23	
Demolish wellhead & piping, restore well to original use	A1580	0d	0d	0d	100.0%	03-Jun-23	03-Jun-23	
Excise existing RMA 101	A1590	2d	0d	2d	100.0%	05-Jun-23	07-Jun-23	
Plug & abandon well 2W-3R	A1590	1d	0d	1d	100.0%	03-Jun-23	03-Jun-23	
Plug & abandon well 2W-5R	A1590	1d	0d	0d	100.0%	09-Feb-23	09-Feb-23	
Install casing & gravel pack	A1600	2d	0d	0d	100.0%	09-Feb-23	09-Feb-23	
Run 9" profile well, log, & abandon	A1610	5d	0d	5d	100.0%	23-Feb-23	01-Mar-23	
Drill 22" borehole & log	A1620	7d	0d	7d	100.0%	01-Jun-23	08-Jun-23	
Install new 10' screen, casing & gravel pack	A1640	5d	0d	5d	100.0%	09-Jun-23	15-Jun-23	
Well development	A1650	7d	0d	7d	100.0%	24-Jun-23	01-Jul-23	
Final video & logging	A1660	1d	0d	1d	100.0%	05-Jul-23	05-Jul-23	
Setup formation water disposal system	A1670	40d	0d	25d	100.0%	11-Jul-23	12-Jul-23	
Pump testing & WVO sampling	A1690	2d	0d	2d	100.0%	14-Jul-23	30-Aug-23	
Final video & logging	A1700	2d	0d	2d	100.0%	31-Aug-23	01-Sep-23	
Install casing flange & wellhead	A1710	1d	0d	1d	100.0%	01-Sep-23	01-Sep-23	
Install casing flange & wellhead	A1710	2d	0d	0d	100.0%	22-Sep-23	22-Sep-23	

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Name	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Complete	Start	Finish	Total Foot
Install conduit & cable to backwash ES control panel	A1970	4d	0d	4d	100.00%	12-Dec-21	13-Dec-21	
21-21W-R		4d	0d	4d	100.00%	01-Sep-21	05-Sep-21	
Boothback existing RWK	A1940	1d	0d	1d	100.00%	01-Sep-21	02-Sep-21	
Site removal	A1960	5d	0d	5d	100.00%	01-Sep-21	05-Sep-21	
Demolish wellhead & piping	A1980	6d	0d	6d	100.00%	01-Sep-21	07-Sep-21	
Fill & abandon well 21W-4	A1910	2d	0d	2d	100.00%	16-Jun-21	18-Jun-21	
Install pit casing & grout in place	A1920	2d	0d	2d	100.00%	16-Jun-21	18-Jun-21	
Drill 9" pilot hole, log, & abandon	A1930	11d	0d	11d	100.00%	02-Aug-21	13-Aug-21	
Drill 22" borehole & log	A1940	2d	0d	2d	100.00%	02-Aug-21	04-Aug-21	
Install new 16" screen, casing & gravel pack	A1950	5d	0d	5d	100.00%	04-Aug-21	09-Aug-21	
Drill 22" borehole & log	A1960	2d	0d	2d	100.00%	09-Aug-21	11-Aug-21	
Install new 16" screen, casing & gravel pack	A1970	2d	0d	2d	100.00%	12-Aug-21	14-Aug-21	
Grout formation water disposal system	A1980	2d	0d	2d	100.00%	14-Aug-21	16-Aug-21	
Well development	A1990	4d	0d	4d	100.00%	16-Aug-21	20-Aug-21	
Final video & log/21W	A2010	1d	0d	1d	100.00%	20-Aug-21	21-Aug-21	
Pump testing & WQ sampling	A2020	1d	0d	1d	100.00%	21-Aug-21	22-Aug-21	
Install wellhead & submersible pump	A2040	1d	0d	1d	100.00%	04-Sep-21	05-Sep-21	
Install RWK piping & pressure test	A2050	1d	0d	1d	100.00%	05-Sep-21	06-Sep-21	
Install RWK piping & pressure test	A2060	1d	0d	1d	100.00%	06-Sep-21	07-Sep-21	
Excavate slab rough-in & rebar rebar	A2070	1d	0d	1d	100.00%	07-Sep-21	08-Sep-21	
Rebar slab	A2080	3d	0d	3d	100.00%	08-Sep-21	11-Sep-21	
Install rebar & formwork concrete	A2090	3d	0d	3d	100.00%	11-Sep-21	14-Sep-21	
Form & concrete electrical riser	A2100	5d	0d	5d	100.00%	14-Sep-21	19-Sep-21	
Construction start-up & testing	A2110	5d	0d	5d	100.00%	14-Sep-21	19-Sep-21	
Health department clearance	A2120	10d	0d	10d	100.00%	14-Sep-21	24-Sep-21	
Final restoration & sodding	A2160	6d	0d	6d	100.00%	01-Oct-21	07-Oct-21	
Final restoration & sodding	A2170	5d	0d	5d	100.00%	07-Oct-21	12-Oct-21	
Par well 21W-4B into service	A2180	2d	0d	2d	100.00%	15-Mar-21	17-Mar-21	
Construct stabilized access driveway	A2190	2d	0d	2d	100.00%	15-Mar-21	17-Mar-21	
21-21W-R		2d	0d	2d	100.00%	24-Apr-21	26-Apr-21	
Polioke existing RWK	A3470	1d	0d	1d	100.00%	14-Aug-21	15-Aug-21	
Tree removal	A4990	5d	0d	5d	100.00%	01-Sep-21	06-Sep-21	
Surface Feature DELAY	A5100	4d	0d	4d	100.00%	12-Oct-21	16-Oct-21	
Drill 22" borehole	A5130	4d	0d	4d	100.00%	18-Mar-21	22-Mar-21	

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21203 - PBC Wellfield Improvements



Name	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Completed	Start	Finish	Total Float
Site w/ 2W-5 office	A2370	04	04	04	100.00%	18-Jun-25	20-Jun-25	
Demolish wellhead & piping	A2370	2d	0d	2d	100.00%	18-Jun-25	20-Jun-25	
Plug & abandon well 2W-5	A2370	7d	0d	7d	100.00%	07-Aug-24	15-Aug-24	
Drill 15" profile well, log & abandon	A2250	2d	0d	0d	100.00%	24-Jun-25	26-Jun-25	
Drill 24" borehole & log	A2250	4d	0d	4d	100.00%	14-Sep-24	19-Sep-24	
Install 2" casing & grout in place	A2260	2d	0d	2d	100.00%	20-Sep-24	21-Sep-24	
Drill 22" borehole	A2370	2d	0d	2d	100.00%	25-Sep-24	26-Sep-24	
Install new 10" screen, casing & gravel pack	A2280	1d	0d	1d	100.00%	20-Sep-24	21-Sep-24	
Seep formation near disposal system	A2390	2d	0d	2d	100.00%	25-Sep-24	26-Sep-24	
Well development	A2390	40d	0d	18d	100.00%	27-Sep-24	28-Sep-24	
Pump testing & WQ sampling	A2350	1d	0d	1d	100.00%	04-Apr-24	04-Jun-24	
Final video & logging	A2340	1d	0d	1d	100.00%	07-Jun-25	09-Jun-25	
Install wellhead & submersible pump	A2350	1d	0d	1d	100.00%	14-Jun-25	14-Jun-25	
Install wellhead & submersible pump	A2350	1d	0d	1d	100.00%	15-Jun-25	15-Jun-25	
Install wellhead & submersible pump	A2350	1d	0d	1d	100.00%	16-Jun-25	16-Jun-25	
Electrical slab rough-in & install rods	A2370	5d	0d	7d	100.00%	04-Aug-24	17-Feb-25	
Install panels & instrument stands	A2390	5d	0d	5d	100.00%	25-Feb-25	24-Mar-25	
Pull & connect electrical wires	A2410	5d	0d	4d	100.00%	24-Mar-25	26-Mar-25	
Connector startup	A2420	5d	0d	5d	100.00%	04-Apr-25	03-Apr-25	
Disinfection & backwashing	A2440	10d	0d	1d	100.00%	11-Apr-25	05-May-25	
Health department clearance	A2450	3d	0d	4d	100.00%	05-May-25	05-May-25	
Install 2W-50 into service	A2470	20d	0d	1d	100.00%	05-May-25	03-Jun-25	
Final inspection & sealing	A2490	5d	0d	4d	100.00%	27-Apr-25	25-Apr-25	
Install top-down transformer	A2480	1d	0d	1d	100.00%	15-Mar-25	15-Mar-25	
Construct stabilized access driveway	A2480	5d	0d	5d	100.00%	31-Mar-25	04-Apr-25	
Install per casing & grout in place	A2480	2d	0d	2d	100.00%	24-Mar-25	27-Feb-24	
Plug & abandon well 2W-5	A2480	2d	0d	2d	100.00%	27-Feb-24	28-Feb-24	
Drill 6" profile well, log & abandon	A2480	5d	0d	8d	100.00%	28-Feb-24	08-Mar-24	
Drill 28" borehole & log	A2480	3d	0d	5d	100.00%	11-Mar-24	15-Mar-24	
Install 2" casing & grout in place	A2480	2d	0d	2d	100.00%	14-Mar-24	15-Mar-24	
Seep formation near disposal system	A2480	5d	0d	5d	100.00%	25-Mar-24	20-Mar-24	
Perforate existing RHM	A2480	5d	0d	5d	100.00%	20-Mar-24	20-Mar-24	
Tree removal	A2480	1d	0d	1d	100.00%	01-Sep-25	08-Sep-25	

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Item	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Complete	Start	Finish	Total Float
Run well 2W-6 drilling	A2510	0d	0d	0d	100.00%	18-Jun-24	20-Jun-24	
Demolish wellhead & piping	A2520	1d	0d	2d	100.00%	18-Jun-24	07-Aug-24	
Pipe & abandon well 2W-3	A2530	3d	0d	3d	100.00%	07-Aug-24	25-Jul-24	
Install per casing & gravel in place	A2540	2d	0d	0d	100.00%	25-Jul-24	19-Oct-24	
Drill 6" pilot, log, & abandon	A2550	3d	0d	3d	100.00%	17-Oct-24	24-Oct-24	
Drill 28" borehole & log	A2560	4d	0d	2d	100.00%	23-Oct-24	30-Oct-24	
Install 2" casing & gravel in place	A2570	2d	0d	3d	100.00%	25-Oct-24	01-Nov-24	
Drill 22" borehole & log	A2580	2d	0d	1d	100.00%	31-Oct-24	05-Nov-24	
Install new 16" screen, casing & gravel pack	A2590	5d	0d	1d	100.00%	02-Nov-24	08-Nov-24	
Setup formation water disposal system	A2600	1d	0d	1d	100.00%	08-Nov-24	07-Mar-25	
Well development	A2610	40d	0d	46d	100.00%	30-Nov-24	07-Mar-25	
Acidization (optional)	A2620	5d	0d	2d	100.00%	11-Dec-24	14-Dec-24	
Pump testing & WQ sampling	A2630	2d	0d	2d	100.00%	08-Mar-25	11-Mar-25	
Flow Video & logging	A2640	1d	0d	0d	100.00%	20-Mar-25	08-Apr-25	
Install casing flange	A2650	1d	0d	1d	100.00%	08-Apr-25	20-Mar-25	
Install wellhead & submersible pump	A2660	1d	0d	1d	100.00%	20-Mar-25	20-Mar-25	
Install PMA casing & pressure pack	A2670	1d	0d	1d	100.00%	08-Apr-25	10-Apr-25	
Electrical sub pump-in & trailer rack	A2680	10d	0d	23d	100.00%	15-Apr-24	16-May-24	
PPG well slab	A2690	5d	0d	4d	100.00%	20-May-24	24-May-24	
Install panels & instrument stands	A2700	5d	0d	5d	100.00%	28-May-24	03-Jun-24	
Pull & connect electrical wires	A2710	5d	0d	5d	100.00%	04-Jun-24	10-Jun-24	
Connector setup	A2720	5d	0d	5d	100.00%	11-Jun-24	17-Jun-24	
Drill restoration, landscaping & sodding	A2730	10d	0d	10d	100.00%	09-Jun-24	01-Jul-24	
Health department clearance	A2740	20d	0d	4d	100.00%	18-Jun-24	19-Jul-24	
Final restoration, landscaping & sodding	A2750	0d	0d	21d	100.00%	09-Jun-24	27-Aug-24	
Put well 2W-68 into service	A2760	10d	0d	21d	100.00%	30-Jun-24	04-Oct-24	
Final restoration, landscaping & sodding	A2770	1d	0d	0d	100.00%	14-Aug-24	13-Sep-24	
Install step-down transformer	A2780	5d	0d	10d	100.00%	13-Mar-25	13-Mar-25	
Construct stabilized access driveway	A2790	5d	0d	10d	100.00%	31-Jul-24	10-Oct-24	
10 - WTP B	10	789d	23d	787d	100.00%	20-Jul-24	01-Oct-24	3d
05 - WVA & BW-7 (Milestone B)	05	455d	0d	447d	100.00%	20-Jul-24	05-Aug-24	1d
Install new 16" screen, casing & gravel pack	A3220	2d	0d	2d	100.00%	13-Mar-24	18-Mar-24	
Setup formation water disposal system	A3230	5d	0d	12d	100.00%	31-Mar-24	14-Apr-24	
Well development	A3240	40d	0d	19d	100.00%	21-Apr-24	13-May-24	
Acidization (optional)	A3250	5d	0d	1d	100.00%	19-Apr-24	23-Apr-24	
Pump testing & WQ sampling	A3260	1d	0d	1d	100.00%	17-May-24	20-May-24	
Flow Video & logging	A3270	1d	0d	1d	100.00%	20-May-24	20-May-24	

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Name	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Complete	Start	Finish	Total Float
Well development	A3710	4d	0d	13d	100.0%	08-Apr-24	11-Dec-24	
Acidization (optional)	A3740	5d	0d	18d	100.0%	19-Feb-24	15-Mar-24	
Pump testing & WQ sampling	A3750	2d	0d	2d	100.0%	11-Oct-24	14-Oct-24	
Flow video & logging	A3760	1d	0d	1d	100.0%	15-Oct-24	15-Oct-24	
Install casing flange	A3770	2d	0d	1d	100.0%	05-Mar-24	06-Mar-24	
Install wellhead & submersible pump	A3780	2d	0d	1d	100.0%	25-Nov-24	26-Nov-24	
Install RW piping & pressure test	A3790	2d	0d	3d	100.0%	18-Nov-24	21-Nov-24	
Electrical site layout & meter rack	A3810	5d	0d	5d	100.0%	05-Dec-24	11-Dec-24	
FRP well slab	A3820	5d	0d	4d	100.0%	26-Jan-25	05-Feb-25	
Install panels & instrument stands	A3830	5d	0d	4d	100.0%	04-Feb-25	10-Feb-25	
Pull & connect electrical wires	A3840	5d	0d	4d	100.0%	19-Mar-25	23-Mar-25	
Contractor startup	A3850	5d	0d	6d	100.0%	27-Mar-25	04-Jun-25	
Disinfection & bac-T sampling	A3860	10d	0d	6d	100.0%	04-Jun-25	16-Jun-25	
Witnesses startup & testing	A3870	10d	0d	6d	100.0%	20-Jun-25	27-Jun-25	
Health department clearance	A3880	5d	0d	5d	100.0%	20-Jun-25	25-Jun-25	
Put well BW-23 into service	A3890	12d	0d	12d	100.0%	20-Jun-25	16-Jul-25	
Final restoration & sodding	A3900	5d	0d	6d	100.0%	20-Jun-25	16-Jul-25	
FRP antenna base	A3910	17d	0d	17d	100.0%	17-Jul-25	08-Aug-25	
Take well BW-23 offline	A3920	1d	0d	0d	100.0%	31-Oct-24	31-Nov-24	
FRP antenna base	A3930	5d	0d	5d	100.0%	02-Dec-24	04-Dec-24	
Demolish wellhead & piping	A3940	1d	0d	0d	100.0%	30-Oct-24	31-Oct-24	
Pre-wire video & logging	A3950	1d	0d	0d	100.0%	29-Oct-24	31-Oct-24	
Remove 15" casing & inner casing	A3960	4d	0d	0d	100.0%	22-Nov-24	25-Nov-24	
Clear out wellbore	A3970	2d	0d	0d	100.0%	27-Nov-24	30-Nov-24	
Logging & optional video	A3980	2d	0d	0d	100.0%	17-Feb-24	14-Feb-24	
Squeeze grouting (optional)	A3990	1d	0d	0d	100.0%	24-Jan-24	24-Jan-24	
Reinstall existing RW	A3990	2d	0d	2d	100.0%	31-Oct-24	02-Nov-24	
Install fence posts	A3940	2d	0d	17d	100.0%	05-Jan-25	19-Jan-25	
Install chainlink fencing & gates	A3950	2d	0d	2d	100.0%	11-Feb-25	12-Feb-25	
Profile Well	A3950	5d	0d	9d	100.0%	29-Jan-24	08-Feb-24	
Install new 15" screen, casing & gravel pack	A4000	3d	0d	3d	100.0%	02-Nov-24	05-Nov-24	
Seize formation water disposal system	A4210	5d	0d	5d	100.0%	07-Oct-22	11-Oct-22	
Well development	A4220	40d	0d	70d	100.0%	12-Oct-22	19-Oct-22	
Pump testing & WQ sampling	A4240	2d	0d	2d	100.0%	19-Oct-22	21-Oct-22	
Final video & logging	A4250	1d	0d	1d	100.0%	01-Feb-23	02-Feb-23	
Install casing flange	A4260	1d	0d	1d	100.0%	05-Feb-23	05-Feb-23	

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■ Wellhead & submersible pump
 ■ RW piping & pressure test
 ■ FRP well slab
 ■ Install panels & instrument stands
 ■ Pull & connect electrical wires
 ■ Contractor startup
 ■ Disinfection & bac-T sampling
 ■ Health department clearance
 ■ Put well BW-23 into service
 ■ Final restoration & sodding
 ■ Antenna base
 ■ Demolish wellhead & piping
 ■ Pre-wire video & logging
 ■ Clear out wellbore
 ■ Logging & optional video
 ■ Squeeze grouting (optional)
 ■ Reinstall existing RW
 ■ Install fence posts
 ■ Install chainlink fencing & gates

21203 - PBC Wellfield Improvements



Name	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Complete	Start	Finish	Total Float
Contractor station	A4700	3d	0d	3d	100.00%	07-Sep-23	13-Sep-23	
Dismantle & back-sounding	A4710	10d	0d	12d	100.00%	18-Sep-23	04-Oct-23	
Wireless station & wiring	A4720	5d	0d	1d	100.00%	27-Sep-23	28-Sep-23	
Health insurance clearance	A4730	20d	0d	1d	100.00%	04-Oct-23	20-Oct-23	
Start BW-18 data service	A4750	5d	0d	0d	100.00%	30-Oct-23	05-Nov-23	
Install reservoir & sounding	A4760	5d	0d	5d	100.00%	30-Oct-23	05-Nov-23	
Install existing RVM	A4800	1d	0d	0d	100.00%	19-Apr-23	19-Apr-23	
Base well BW-18 offline	A4810	3d	0d	3d	100.00%	05-Jun-23	07-Jun-23	
Demolish wellhead & piping	A4470	0d	0d	0d	100.00%	21-Sep-23	21-Sep-23	
Pre-work video & logging	A4480	1d	0d	0d	100.00%	19-Sep-23	19-Sep-23	
Remove 1" screen & fiber casing	A4490	1d	0d	0d	100.00%	20-Sep-23	20-Sep-23	
Clean out borehole	A4500	3d	0d	3d	100.00%	24-Oct-23	26-Oct-23	
Logging & optional video	A4510	1d	0d	1d	100.00%	24-Oct-23	24-Oct-23	
Install RFP	A4460	3d	0d	0d	100.00%	30-Mar-23	30-Mar-23	
Reinstall existing RVM	A4470	3d	0d	1d	100.00%	30-Mar-23	31-Mar-23	
Install fence posts	A4600	2d	0d	2d	100.00%	27-Jul-23	28-Jul-23	
Install chainlink fencing & gates	A4650	2d	0d	2d	100.00%	27-Jul-23	28-Jul-23	
Gravel procurement delay	A4660	50d	0d	5d	100.00%	27-Jul-23	28-Jul-23	
01 - General Work On Site WTP 8	01	27d	0d	27d	100.00%	27-Jul-23	20-Aug-23	
Install new ductbank from BW-6 to BW-23	A3770	3d	0d	3d	100.00%	07-Sep-23	10-Sep-23	
Install manhole PMA-23	A3780	2d	0d	1d	100.00%	07-Sep-23	08-Sep-23	
Install new ductbank from BW-23 to BW-25	A3970	2d	0d	4d	100.00%	19-Sep-23	23-Sep-23	
Install new ductbank from PMA-23 to BW-7	A4000	5d	0d	4d	100.00%	19-Sep-23	23-Sep-23	
Pull new cables to BW-25	A4010	5d	0d	4d	100.00%	14-Jan-23	20-Jan-23	
Install new ductbank from BW-6 to BW-17	A4040	5d	0d	4d	100.00%	01-Aug-23	05-Aug-23	
Install manhole PMA-17	A4050	2d	0d	0d	100.00%	02-Aug-23	02-Aug-23	
Install new ductbank from PMA-17 to BW-19	A4070	5d	0d	3d	100.00%	24-Jun-23	29-Jun-23	
Pull new cables from BW-19 to BW-17	A4080	5d	0d	7d	100.00%	14-Aug-23	23-Aug-23	
Install manhole PMA-11, and PMA-22	A4770	4d	0d	5d	100.00%	24-Aug-23	31-Aug-23	
Install new ductbank from PMA-10 to BW-22	A4800	5d	0d	2d	100.00%	15-Aug-23	17-Aug-23	
Install new ductbank from PMA-10 to BW-22	A4810	5d	0d	6d	100.00%	01-Aug-23	13-Aug-23	
Install new ductbank from PMA-10 to BW-5	A4820	5d	0d	4d	100.00%	31-Aug-23	05-Sep-23	
Install new cables to BW-14	A4960	5d	0d	4d	100.00%	24-Aug-23	30-Aug-23	
02 - BW-22 (Milestone 5)	02	41d	0d	24d	100.00%	07-Aug-23	15-Aug-23	
Pull new cables to BW-22 & test	A4770	5d	0d	5d	100.00%	28-Sep-23	27-Oct-23	

Current
 Progress
 Critical

Original Baseline
 Milestones
 Summary

02-Sep-25 11 of 12

01 - General Work On Site WTP 8

Pull new cables to BW-25

02 - BW-22 (Milestone 5)
Pull new cables to BW-22 & test

21203 - PBC Wellfield Improvements



Name	ID	Planned Duration	Remaining Duration	Actual Duration	Activity Percent Complete	Start	Finish	Total Float
Pull well BW-22 offline	A4780	0d	0d	0d	100.00%			
Take well BW-22 offline	A4830	0d	0d	0d	100.00%	25-Feb-25	27-Feb-25	
Terminate new cables & demolish existing cables	A4920	1d	0d	0d	100.00%	25-Feb-25	24-Feb-25	
Cable delivery to BW-22 and BW-13	A4970	2d	0d	10d	100.00%	28-Sep-23	28-Feb-24	
Receive new materials	A5010	2d	0d	177.6	100.00%	13-Mar-24	12-Nov-24	
35 - BW-3 (Milestone)	35	30d	23d	180		09-Sep-24	01-Oct-25	
Pull new cables to BW-3 & test	A4890	5d	21d	182.4	0.00%	09-Sep-24	30-Sep-25	
Take well BW-3 offline	A4870	0d	0d	0d	0.00%	01-Oct-25	01-Oct-25	-47d
Take well BW-3 offline	A4850	0d	0d	0d	0.00%	01-Oct-25	01-Oct-25	-47d
Terminate new cables & demolish existing cables	A4930	1d	1d	0d	0.00%	02-Jul-25	01-Jul-25	
Install 1-box and consult to BW-14	A4880	4d	0d	125.6	100.00%	02-Jul-25	28-Jun-25	
Pull new cables to BW-14	A4900	5d	0d	30d	100.00%	03-Jul-25	10-Jul-25	
Pull well BW-14 offline	A4910	0d	0d	0d	100.00%	11-Aug-23	25-Sep-23	
Take well BW-14 offline	A4890	0d	0d	0d	100.00%	25-Sep-23	25-Sep-23	
Demolish existing conduit & cables	A4940	5d	0d	5d	100.00%	15-Sep-23	21-Sep-23	
Restoration	A4950	5d	0d	5d	100.00%	22-Sep-23	28-Sep-23	

Gantt Chart											
01-2024	02-2024	03-2024	04-2024	05-2024	06-2024	07-2024	08-2024	09-2024	10-2024	11-2024	12-2024
<ul style="list-style-type: none"> ◆ Pull well BW-22 offline ◆ Take well BW-22 offline ◆ Terminate new cables & demolish existing cables ◆ Receive new materials ◆ 35 - BW-3 (Milestone) ◆ Pull new cables to BW-3 & test ◆ Take well BW-3 offline ◆ Take well BW-3 offline ◆ Terminate new cables & demolish existing cables ◆ Install 1-box and consult to BW-14 ◆ Pull new cables to BW-14 ◆ Pull well BW-14 offline ◆ Take well BW-14 offline ◆ Demolish existing conduit & cables ◆ Restoration 											



July 16, 2025

Mr. Jeffrey Holst, Senior Vice President
Florida Design Drilling LLC
7733 Hooper Rd
West Palm Beach, Florida 33411

Water Utilities Department
Engineering Division
8100 Forest Hill Blvd
West Palm Beach, FL 33413
(561) 493-6000
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www.pbewater.com

Palm Beach County
Board of County
Commissioners

Maria G. Marino, Mayor
Sara Baxter, Vice Mayor

Gregg K. Weiss

Joel G. Flores

Marci Woodward

Maria Sachs

Bobby Powell Jr.

Interim County Administrator

Todd J. Bonlarron

"An Equal Opportunity Employer"

Official Electronic Letterhead

Re: Project Number: 19-022
Wellfield Improvements Phase 2
Notification of Contract Clauses No Longer Being
Enforced Pursuant to Emergency Ordinance 2025-014

Dear Mr. Holst,

On June 3, 2025, the Board of County Commissioners (BCC) approved an emergency ordinance to suspend the race and gender conscious provisions of the County's EBO ordinance. The suspension will remain in effect for two years or until further direction by the BCC, whichever comes first. As a result, the provisions relating to minority/women-owned business enterprise (M/WBEs) participation contained in the contract document (R2021-1923) in Instructions to Bidders on section 5.3 **will not be enforced** as of June 3, 2025, only the small business enterprise (SBE) provisions will apply.

Please sign below to acknowledge receipt of this notification. This acknowledgement will be included in, and made part of, the contract file.

Should you require any additional information please contact Ms. Christina Bervin at cbervin@pbewater.com or at (561) 493 5203.

Cordially,

Jane House, P.E., LEED AP
Director of Engineering Division

Receipt Acknowledged and In Agreement:

Florida Design Drilling LLC
(Contractor)

Jeffrey Holst, Senior Vice President
(Print Name)

(Signature)

7/16/25
(Date)

Inter-Office Memorandum


Palm Beach County



Water Utilities Department

DATE: March 25, 2026

TO: Jane House, P.E., LEED AP
Director of Engineering Division

FROM:  Hector Flores
Engineering Division

PBCWUD 19-022
Wellfield Improvements Project-Phase 2

CO No. 3

CONTRACTOR Florida Design Drilling Corporation

=====

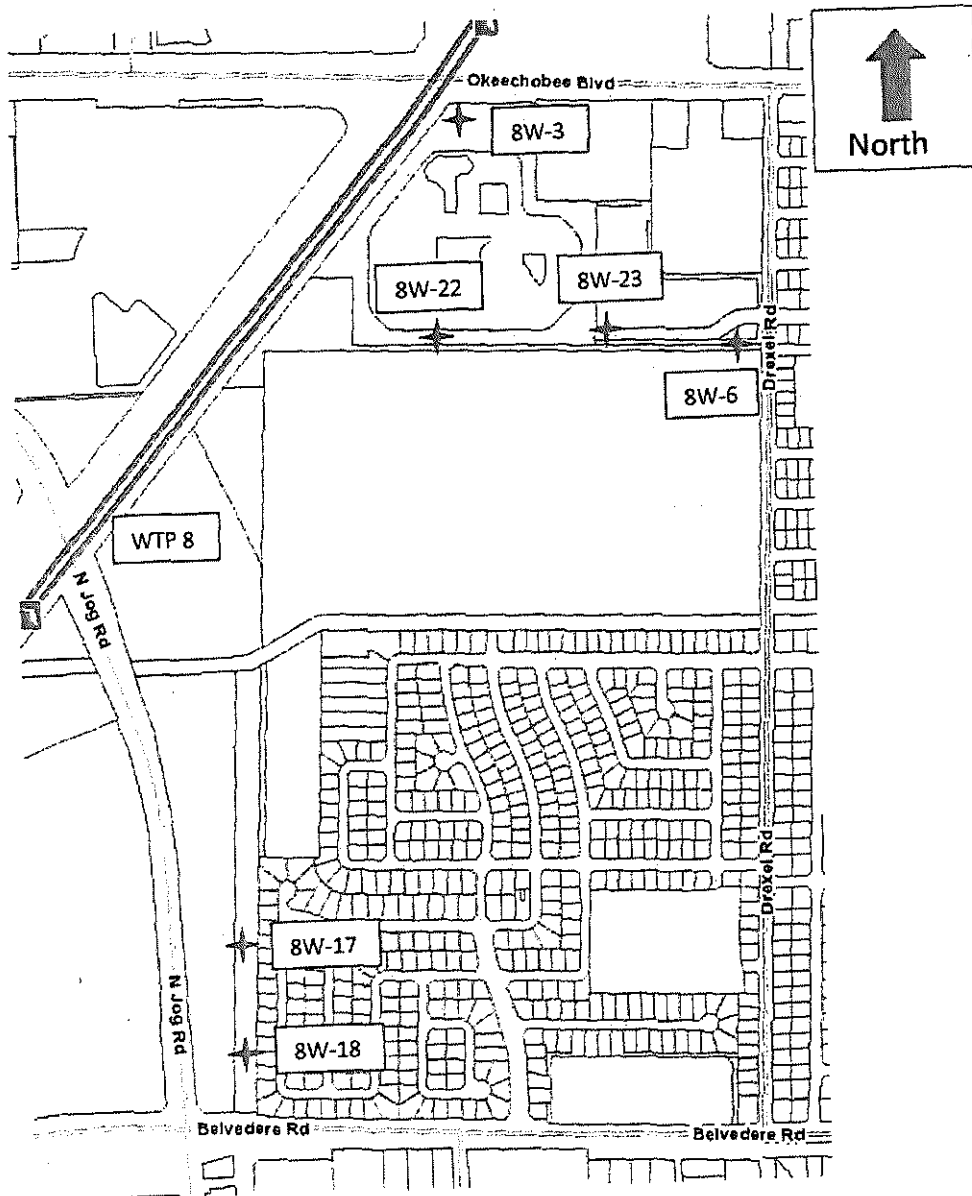
The above referenced change order includes a time extension of 317 calendars days (cd's) with no additional compensation:

- 1) 114 cd's- Variable Frequency Drives (VFD), for wells 8W-17 and 18, manufacturer had supply chain (electronics, metals and resins), logistics, and supplier labor disruptions which provided challenges for manufacturers across the electrical industry. These disruptions affected the critical path for this period and caused VFD's delivery to be delayed by 114 cd's.
- 2) 36 cd's- Approved gravel needed for the construction of the wells was no longer available at the quarry due to changes in the local geological formation (different site conditions). Finding another gravel supplier with a product that met the Contract Documents specifications proved to be difficult. It took the Contractor several weeks to search and test gravel from different suppliers until one was found to comply with the Contract Documents. This research and test affected the critical path for this period resulting in a delay of 36 cd's.
- 3) 120 cd's-Typical well development takes about 8 (eight) weeks to complete. However, due to local geological formation (different site conditions), pump development at well 8W-23 took an additional 120 cd's to be completed. This delay affected the critical path for this period resulting in a delay of 120 cd's.

4) 47 cd's-FPL (Florida Power and Light) typical electrical reconnection timeframe is 5 (five) to 7 (seven) days. However, electrical reconnection for well 8W-6 took an additional 47 cd's for it to be completed. This delay affected the critical path for this period resulting in a delay of 47 cd's.

cc: File

Attachment 2
LOCATION MAP
PBCWUD Project No. 19-022
Water Treatment Plant No. 8



★ Well Locations

WTP 8 – Water Treatment Plant No. 8

Not to Scale



**Palm Beach County
Compliance Summary Report**

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00001619	Florida Design Drilling LLC	Modified	Compliant					WUD 19-022 Phase 2	Wellfield Improvements Phase 2
		A+g, XV	Greenwich Insurance Company	RAC943827302	1/1/2026	1/1/2027	Auto Liability		
		A+g, XV	Pennsylvania Manufacturers Indemnity Company	6026011669894	1/1/2026	1/1/2027	Excess Liability		
		A+g, XV	Greenwich Insurance Company	rgc300197002	1/1/2026	1/1/2027	General Liability		
		Ag, XV	Aspen American Insurance Company	IMZ211525	1/1/2025	1/1/2026	Installation Floater		
		A+g, XV	Greenwich Insurance Company	RWC300196902	1/1/2026	1/1/2027	Workers Comp		

Risk Profile : Standard - Construction Services
 Required Additional Insured : Palm Beach County Board of County Commissioners
 Ownership Entity :