



## ADDENDUM NO. 3

**DATE:** August 14, 2020

**FROM:** Mr. Eric Pitts, Associate  
Senior Project Manager | CEI Manager  
Dewberry  
203 Aberdeen Parkway  
Panama City, Florida 32405  
850.522.0644

**TO:** ALL PRE-QUALIFIED BIDDERS/ PLAN HOLDERS

**CC:** Jared Jones, City of Panama City  
Johnny Sims, City of Panama City  
Angie Stokes, City of Panama City  
Jonathan Sklarski, P.E. Branch Manager

**PROJECT NAME:** CITY OF PANAMA CITY  
LIFT STATION #34 WW SYSTEM IMPROVEMENTS

**PROJECT NO.:** 50092791

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Please note the following clarifications, corrections, or supplemental information regarding the above referenced project.

- 1. The following contractors were in attendance or participated virtually for the mandatory pre-bid meeting held on August 5<sup>th</sup>, 2020 and are pre-qualified to perform this type of work with the City of Panama City or have submitted the prequalification package required and are approved to bid on the project. See attached Sign in Sheet.**
  1. GAC Contractors
  2. Gulf Coast Utility Contractors, LLC/GCUC
  3. Marshall Brothers Construction and Engineering, Inc.
  4. Royal American Construction Co., Inc.
  5. Great River Industries, LLC
  6. L & K Contracting Company, Inc.
  7. Phoenix Construction
  
- 2. General**
  1. Please find enclosed a copy of Geotechnical Engineering Report for the proposed Lift Station project that was used for the design on the wet-well.

Please acknowledge and email an executed copy of this Addendum No. 3 to [epitts@dewberry.com](mailto:epitts@dewberry.com) and include a copy in your bid package.



203 Aberdeen Parkway  
Panama City, Florida 32405  
(850) 522-0644

# RECEIPT OF ADDENDUM

RE: **CITY OF PANAMA CITY  
LIFT STATION #34 WW SYSTEM IMPROVEMENTS**

PROJECT NO: **50092791**

## Addendum No. 3

I \_\_\_\_\_ with \_\_\_\_\_  
(Print Name) (Company Name)

received **Addendum Number 3** on \_\_\_\_\_.  
(Date)

\_\_\_\_\_  
(Signature)



**City of Panama City – Pre-Bid Meeting**  
**LIFT STATION #34 WASTEWATER SYSTEM IMPROVEMENTS**  
 Project Number 50092791  
 AUGUST 5, 2020 - 2:00 PM CST



**SIGN – IN SHEET**

Name	Company	Email Address	Phone	Signature
Eric Pitts	Dewberry	epitts@dewberry.com	850-814-6946	
Kimberly Setzer	City of Panama City	ksetzer@pcgov.org	850-671-4555	
Neil Howard	City of Panama City	nhoward@pcgov.org	850-541-5047	
James A. Vinson	City of Panama City	jvinson@pcgov.org	850-867-1173	
Robert Bush	City of Panama City	rbush@pcgov.org	850-832-4644	
Angie Lightfoot	City of Panama City			Virtual
David Elmore	Gulf Coast Utility Contractors			Virtual
Jacob Arndt	GAC Contractors			Virtual
Jacob Pleas	Great River Industries			Virtual
Boyd Rogers	Great River Industries			Virtual
Tiffany Brandenburg	Phoenix Construction			Virtual
Mike Brown	Marshall Brothers Construction & Engineering			Virtual
Brent Robinson	Jim House & Associates, Inc.			Virtual
Steve Summerbell	Royal American Construction Co., Inc.			Virtual
Cameron Kelly	L & K Contracting, Inc.			Virtual



**MAGNUM ENGINEERING INC**  
**GEOTECHNICAL ENGINEERING CONSULTANTS**

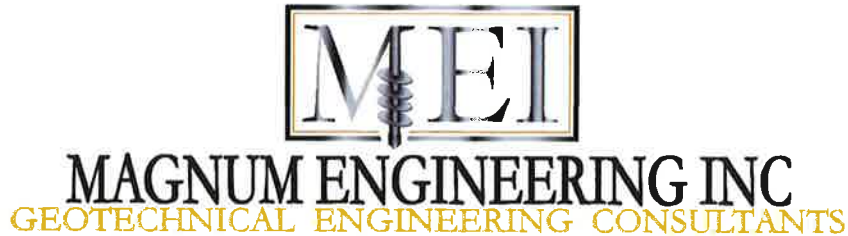
GEOTECHNICAL ENGINEERING REPORT

**LIFT STATION #34 – CITY OF PANAMA CITY  
PANAMA CITY, FLORIDA**

PREPARED FOR:

**DEWBERRY ENGINEERS, INC.  
203 ABERDEEN PARKWAY  
PANAMA CITY, FLORIDA 32405**

**1026 PIERSON DRIVE  
LYNN HAVEN, FLORIDA 32444  
TELEPHONE (850) 258.0994**



July 12, 2018

Mr. Eric Pitts  
Dewberry | Preble-Rish, Inc.  
203 Aberdeen Parkway  
Panama City, Florida 32405

SUBJECT: Lift Station #34 – City of Panama City – Geotechnical Report  
Panama City, Florida  
MEI Project Number: M118-100-236

Dear Mr. Pitts:

This report forwards the results of our geotechnical services for the proposed new Lift Station #34 in Panama City, Florida. The purpose of this exploration was to evaluate the subsurface conditions present at the proposed lift station location. Our exploration consisted of one (1) 25 feet deep Standard Penetration Test (SPT) boring. Upon completion of our field testing, the samples were brought back to our office for inspection, classification, and to render geotechnical recommendations.

#### **PROJECT INFORMATION**

The proposed lift station will be located west of Stanford Road and south of SR 390 on an undeveloped and clear parcel in Panama City, Florida. The new lift station will either be a pre-cast concrete structure or fiberglass structure with a diameter of 6 feet. The proposed depth of the lift station will be 20 feet below existing grade. If any of the project information noted above is incorrect or has changed, please inform Magnum Engineering, Inc. so that we may amend the recommendations presented in this report, if necessary. Prior to performing the boring, Sunshine State One Call was contacted to locate all underground utilities in the area.

At the time of our exploration, the site of the proposed lift station location was undeveloped and clear with the exception of surficial grasses. Access was easy with our truck mounted SPT Drill Rig.

#### **SUBSURFACE CONDITIONS**

The test boring B-1 was drilled at the approximate location shown on the attached boring location map presented as Figure #1. Boring B-1 generally encountered very loose to medium dense slightly silty fine sands from the ground surface to the bottom of the 20 foot deep Standard Penetration Test (SPT) boring with the exception of a brown peaty sand layer encountered from 6 to 8 feet below existing grade. Please refer to the attached Log of Boring presented as Figure #2 for a detailed description of the subsurface conditions encountered.

## **GROUNDWATER CONDITIONS**

Groundwater was encountered roughly 8 inches below existing grade at the time of drilling (July 6, 2018), which was during a period of slightly above normal seasonal rainfall. We should note, groundwater levels can fluctuate significantly during periods of rain or drought, therefore we recommend that the Contractor determine the actual groundwater levels at the time of construction to determine potential impacts groundwater can/will have on construction procedures.

## **LIFT STATION RECOMMENDATIONS**

Based on the subsurface conditions encountered in test boring B-1, we recommend that the lift station be founded on the medium dense slightly silty fine sands encountered approximately 10 feet to 20 feet below existing grade at the test boring location B-1.

Groundwater was encountered at the time of our exploration roughly 8 inches below existing grade. A sump pump or well point used to dewater would be most effective given the soil conditions encountered in the test borings. The dewatering system should remain in operation until such time that removing it will not create any unstable buoyant forces on the structure. The soils excavated during the installation of the lift station will be suitable for use as backfill around the structure.

As noted above, the lift stations can bear on the undisturbed medium dense slightly silty fine sands encountered in the test boring location. A gravel or rock bed is advisable at the bottom of the structure to provide a firm, stable platform that will be less likely to be disturbed during steel and concrete placement. This can be accomplished by “choking” angular gravel or rock into the sand with a mechanical plate tamper until a non-yielding matrix is obtained. Typically, 8 inches to 12 inches of angular gravel or rock will provide a stable platform.

## **EXCAVATIONS**

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor’s responsible person, as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor’s safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations.

## **REPORT LIMITATIONS**

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either expressed or implied. Magnum Engineering, Inc. is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

Soil conditions at other locations may differ from those encountered in the test boring, and the passage of time may cause the soils conditions to change from those described in this report.

This report is intended for use by the designers of this project. While we have no objections to it being provided for review by parties to this project, it is not a specification document and is not to be used as a part of the specifications. If desired, we can assist in the development of specifications for this project based upon our exploration.

**Lift Station #34 – City of Panama City – Geotechnical Services**  
**Dewberry | Preble-Rish, Inc.**  
**Page 3 of 3**

The nature and extent of variation and change in the subsurface conditions at the site may not become evident until the course of construction. Construction monitoring by the geotechnical engineer or his representative is therefore considered necessary to verify the subsurface conditions and to check that the soils connected construction phases are properly carried out. If significant variations or changes are in evidence, it may be necessary to reevaluate the recommendations in this report.

Furthermore, if the project characteristics are altered significantly from those discussed in this report, if the project information contained in this report is incorrect or if additional information becomes available, a review must be made by this office to determine if any modifications in the recommendations will be necessary.

The Geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional Geotechnical engineering practices in the local area. No other warranties are implied or expressed.

After the plans and specifications are more complete, the Geotechnical engineer should be provided the opportunity to review the final design plans and specifications to assure our engineering recommendations have been properly incorporated into the design documents. At that time, it may be necessary to submit supplementary recommendations. This report has been prepared for the exclusive use of Preble-Rish, Inc. for the specific application to the subject project.

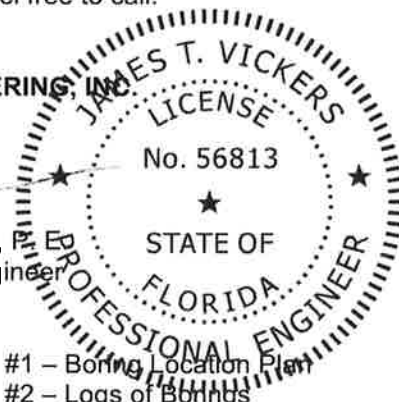
We hope this letter provides sufficient information for the present. Should you have any questions or comments, please feel free to call.

Sincerely,

**MAGNUM ENGINEERING, INC.**



JAMES T. VICKERS, P. E.  
Sr. Geotechnical Engineer  
Florida Reg. #56813



Attachments: Figure #1 – Boring Location Plan  
Figure #2 – Logs of Borings



**MAGNUM ENGINEERING INC**  
**GEOTECHNICAL ENGINEERING CONSULTANTS**

**BORING LOCATION PLAN**

**FIGURE # 1**



LAT. N30°12'10.7874"  
LONG. W85°40'32.5611"

12"WM

GENERATOR

FUEL TANK

CONTROL BUILDING

B-1  
WELL

LAT. N30°12'10.7819"  
LONG. W85°40'32.2413"

6"WM

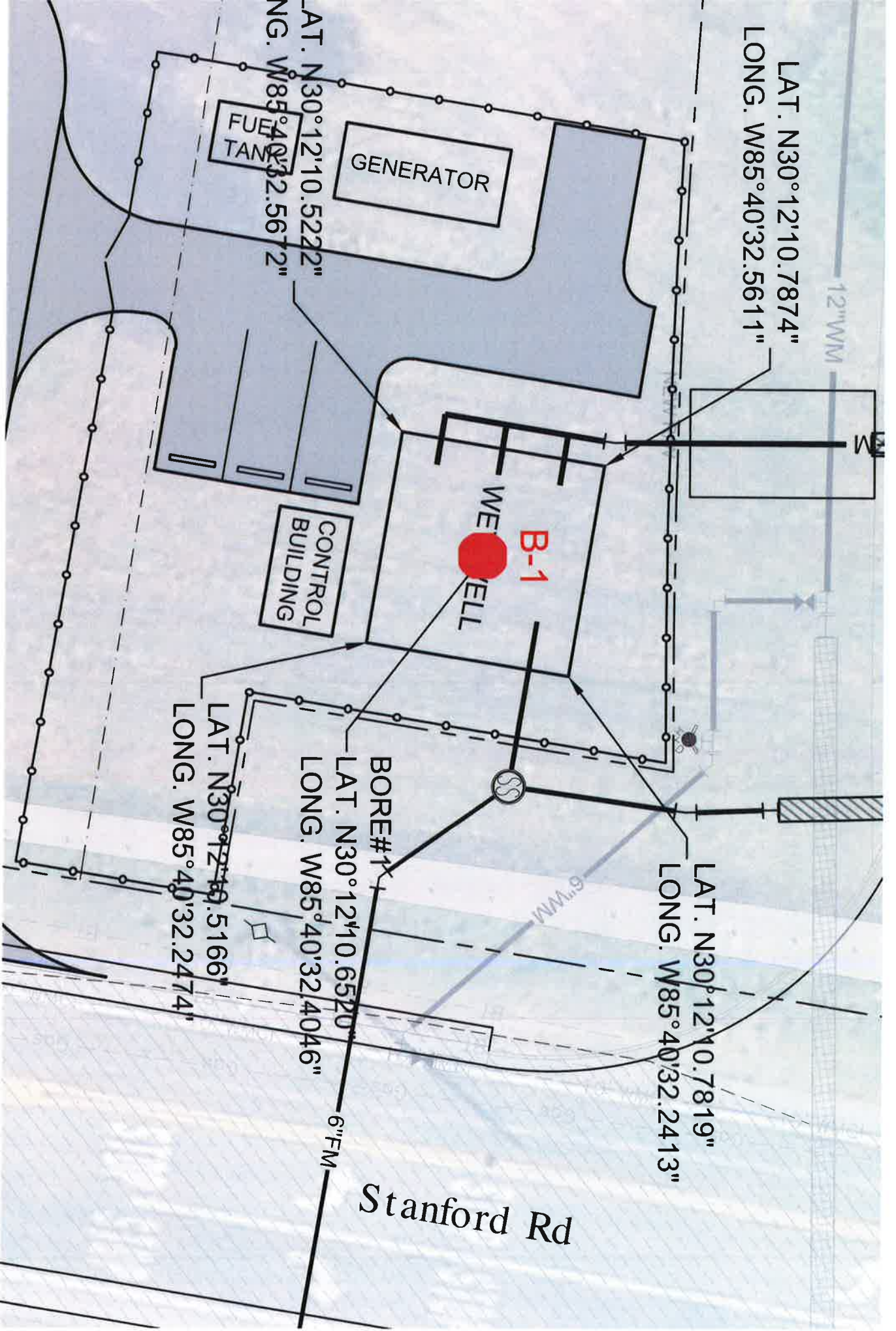
Stanford Rd

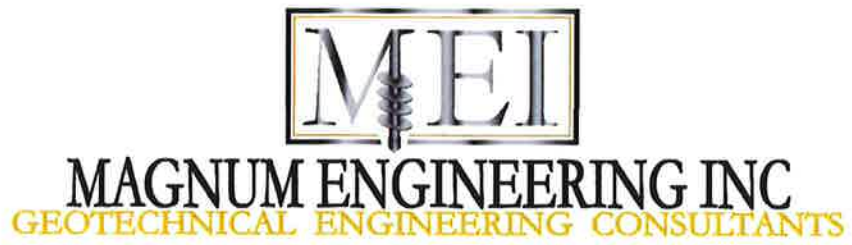
6"FM

BORE#1  
LAT. N30°12'10.6520"  
LONG. W85°40'32.4046"

LAT. N30°12'10.5166"  
LONG. W85°40'32.2474"

LAT. N30°12'10.5222"  
LONG. W85°40'32.5672"





## LOGS OF BORING

**FIGURE # 2**



Magnum Engineering, Inc.  
1026 Pierson Drive  
Lynn Haven, FL 32444

# BORING NUMBER B-1

CLIENT Dewberry Engineers, Inc. PROJECT NAME Lift Station #34  
 PROJECT NUMBER M118-100-236 PROJECT LOCATION Panama City, Florida  
 DATE STARTED 7/6/18 COMPLETED 7/6/18 GROUND ELEVATION \_\_\_\_\_ HOLE SIZE 3  
 DRILLING CONTRACTOR Fontaine Drilling Inc GROUND WATER LEVELS:  
 DRILLING METHOD Standard Penetration Test (SPT) ▽ DEPTH TO GROUNDWATER AT TIME OF DRILLING 0.7 ft  
 LOGGED BY J. Fontaine CHECKED BY J. Vickers ESTIMATED SEASONAL HIGH GWT ---  
 NOTES \_\_\_\_\_ AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS			FINES CONTENT (%)
									LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	
0		Gray/Dark Gray Slightly Silty Fine SAND (SP-SM)	SS 1		1-1-1 (2)							
		Dark Gray Slightly Silty Fine SAND with Trace PEAT (SP-SM)	SS 2		2-2-2 (4)							
5		Dark Gray Slightly Silty Fine SAND with Trace WOOD (SP-SM)	SS 3		4-2-2 (4)							
		Brown Peaty SAND with WOOD (PT)	SS 4		2-3-5 (8)							
10		Brown/Gray Slightly Silty Fine SAND (SP-SM)	SS 5		5-6-7 (13)							
15			SS 6		6-7-8 (15)							
20			SS 7		4-6-6 (12)							
25			SS 8		3-3-3 (6)							
		Boring Termination Depth at 25.0 feet.										

GEOTECH BH COLUMNS LIFT STATION #34.GPJ GINT STD US LAB.GDT 7/12/18