

MAGNUM ENGINEERING INC

GEOTECHNICAL ENGINEERING CONSULTANTS

GEOTECHNICAL ENGINEERING REPORT

NORTH BAY HAVEN ATHLETIC FIELD
NORTH BAY HAVEN CHARTER ACADEMY
BAY COUNTY, FLORIDA

PREPARED FOR:

Mrs. Brittany Lewis, CEO
North Bay Haven Charter Academy
1 Buccaneer Drive
Panama City, Florida 32404

429 FLORIDA AVENUE
LYNN HAVEN, FLORIDA 32444
magnum.engineering@yahoo.com

MAGNUM ENGINEERING INC

GEOTECHNICAL ENGINEERING CONSULTANTS

June 26, 2026

Mrs. Brittany Lewis, CEO
North Bay Haven Charter Academy
1 Buccaneer Drive
Panama City, Florida 32404

SUBJECT: North Bay Haven Athletic Field - Geotechnical Services
Bay County, Florida
MEI Project No. M126-101-095

Dear Mrs. Lewis:

This letter presents the results of our geotechnical investigation for the subject site in Bay County, Florida. The subsurface exploration was conducted to determine the suitability of soil and groundwater conditions for installation of new synthetic turf.

Our exploration consisted of Thirteen (13) 5-feet deep hand auger borings in the proposed new turf area. The following report presents the results of our study as well as our evaluation and recommendations pertaining to the geotechnical aspects of the project.

Project Information

The project site is located at the existing North Bay Haven Campus at 1 Buccaneer Drive in Bay County, Florida. At the time of our exploration, the existing field was covered with grass. Based on the topographic survey provided, existing elevations in the field area are between +25 feet NGVD and +26 feet NGVD.

The project involves removing the current grass and installing new synthetic grass. The existing field area will be cut down to elevations of +23.45 feet NGVD to +24.14 feet NGVD.

If any of the above information is incorrect, please inform Magnum Engineering, Inc. so that we can review and update our recommendations, as needed.

Scope of Geotechnical Services

The 13 auger borings were performed in the field at the approximate locations shown on the attached Figure #1. Figure #2 presents the logs of borings performed.

Laboratory Testing

The soil samples were transported in sealed plastic bags to the laboratory for testing. A Geotechnical Engineer visually classified each soil sample in accordance with the Unified Soil Classification System (USCS). Additional laboratory testing consisted of Six (6) Natural Moisture Contents and Six (6) wash #200 sieve analyses. The results of the laboratory testing can be seen on the attached boring logs to the right of the soil description at the depth where each test was taken.

Soil Boring Results

The hand auger borings (HA-1 through HA-13) encountered slightly silty fine sands, silty fine sands, clayey fine sands, and silty clayey fine sands from the existing ground surface to the boring termination depth of 5 feet below existing grade. Note that traces of wood were encountered in boring HA-9 from approximately 2 feet to 2.5 feet below existing grade.

The above subsurface descriptions are of a generalized nature, provided to highlight the major soil strata encountered. The Logs of Boring should be reviewed for specific subsurface conditions at each boring location. The stratifications shown on the Logs of Boring represent the subsurface conditions at the actual boring locations only, and variations in the subsurface conditions can and may occur between boring locations and should therefore be expected. The stratifications represent the approximate boundary between subsurface materials, and the transitions between strata may be gradual. Please refer to the attached Logs of Boring presented as Figure #2 for a detailed description of the subsurface conditions encountered.

Groundwater Conditions

Groundwater levels were encountered between 2.5 feet and 4.2 feet below existing grade on the date of our testing (June 19, 2025), which was during a period of normal seasonal rainfall. By definition, the normal seasonal high groundwater table elevation is the highest level of the saturated zone in the soil during a year with normal rainfall. The procedure used in estimating the seasonal high groundwater table is based on adjusting the existing groundwater table encountered upward or downward, taking into consideration factors such as antecedent rainfall, redoximorphic features (identifying soil mottling) and vegetative indicators. **Based on the resources and methodology provided, we have estimated the seasonal high groundwater table at each boring location. The following Table #1 presents groundwater conditions encountered.**

TABLE #1
GROUNDWATER DATA

LOCATION	DEPTH TO STATIC GROUNDWATER LEVEL below existing grade	ESTIMATED SEASONAL HIGH GROUNDWATER LEVEL (below existing grade)
HA-1	3.8 feet	2.3 feet
HA-2	5.0 feet	3.5 feet
HA-3	5.0 feet	3.5 feet
HA-4	5.0 feet	3.5 feet
HA-5	2.4 feet	2.0 feet
HA-6	4.0 feet	2.5 feet
HA-7	3.2 feet	2.0 feet
HA-8	2.4 feet	1.5 feet
HA-9	4.0 feet	2.5 feet
HA-10	3.9 feet	2,5 feet
HA-11	3.7 feet	2.4 feet
HA-12	4.9 feet	3.5 feet
HA-13	2.5 feet	1.5 feet

Note that large fluctuations are possible under severe weather conditions. We recommend that the Contractor verify the actual groundwater levels at the time of construction to determine potential impacts groundwater will have on construction procedures.

Due to the presence of clayey and silty soils found across the site, it is imperative that the site development activities be scheduled carefully to realize the benefits of seasonal dry weather conditions and reduce downtime for soil drying, removal of unsuitable or saturated materials, etc.

Conclusions and Recommendations

Based on the plans provided, the underdrain system will be installed approximately 3 feet below existing grade. Soils encountered near this depth generally include moisture-sensitive clayey fine sands, silty fine sands, and clay. These materials may hold moisture, lose strength when disturbed or saturated, and become difficult to compact during wet conditions.

Underdrain excavations should be protected from surface water and groundwater seepage where practical. Exposed soils should be evaluated during construction for moisture content, stability, and suitability to support the drainage system. Soft, wet, or otherwise unsuitable materials should be removed and replaced with clean structural fill as described below. When feasible, construction should be scheduled during drier weather to reduce delays related to soil drying, dewatering, or unsuitable material replacement.

Backfill Soils

Backfill should consist of sand containing less than 15 percent material passing the No. 200 sieve. The material should be free of rubble, organics, clay, debris, and other unsuitable matter. Backfill should be placed in loose lifts no greater than 12 inches thick and compacted to at least 95 percent of the soil's Modified Proctor maximum dry density in accordance with ASTM D-1557.

Warranty and Limitations of Study

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 borings, and the passage of time may cause the soil's 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.

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, or if the project information contained in this report is incorrect and additional information becomes available, a review must be made by this office to determine if any modifications in the recommendations will be necessary.

We hope this letter provides sufficient information for the present. If 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

JAMES T. VICKERS LICENSE No. 56813 STATE OF FLORIDA PROFESSIONAL ENGINEER

This item has been digitally signed and sealed by James T. Vickers, P.E. on 6/26/2026.

Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies

James T. Vickers
Digitally signed by James T. Vickers
Date: 2026.06.26 08:57:45 -05'00'

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

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BORING LOCATION PLAN

FIGURE # 1


HA-6
HA-3
HA-11
HA-4
HA-9
HA-2
HA-7
HA-12
HA-5
HA-10
HA-1
HA-13
HA-8
M Byu Blvd
M Byu Blvd
M Byu Blvd
E Hwy 390
390
N
200 ft
Google Earth

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LOGS OF BORINGS

FIGURE # 2

Magnum Engineering, Inc.
429 Florida Avenue
Lynn Haven, FL 32444
Telephone: 850-258-0994

BORING NUMBER HA-1

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 3.8 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Tan/Orange Clayey Fine SAND (SC)										
1								13				21
2		Gray Silty Clayey Fine SAND (SC-SM)										
3			AU									
4		▽						19				42
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-2

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 5.0 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Brown/Light Brown Slighlty Silty Fine SAND (SP-SM)	AU									
1		Light Brown Slightly Silty Fine SAND (SP-SM)										
2		same, with Clay Lenses (SP-SM)										
3		Gray Silty Clayey Fine SAND (SC-SM)										
4												
5		▽										
		Boring Termination Depth at 5.0 feet.										

Magnum Engineering, Inc.
429 Florida Avenue
Lynn Haven, FL 32444
Telephone: 850-258-0994

BORING NUMBER HA-3

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 5.0 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Gray/Brown Slightly Silty Fine SAND (SP-SM)	AU									
1		Light Brown Slightly Silty Fine SAND (SP-SM)										
2		Gray/Brown Slightly Silty Fine SAND (SP-SM)										
3												
4												
5		▽ Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-4

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 5.0 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Light Brown Slighlty Silty Fine SAND (SP-SM)	AU									
1												
2		Gray Silty Clayey Fine SAND (SC-SM)						14				31
3		Gray CLAY with some SAND (CL)						31				68
4		Gray Silty Fine SAND (SM)										
5		Light Brown Slightly Silty Fine SAND (SP-SM) ▽										
		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-5

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 2.4 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Light Brown Slighlty Silty Fine SAND with Trace of CLAY (SP-SM)	AU									
2		Gray Silty Clayey Fine SAND (SC-SM) ▽										
3		Light Brown Slightly Silty Fine SAND (SP-SM)										
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-6

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 4.0 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Brown/Light Brown Slighlty Silty Fine SAND (SP-SM)	AU									
4		▽ Gray Slightly Silty Fine SAND (SP-SM)										
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-7

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 3.2 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Brown/Light Brown Slighlty Silty Fine SAND (SP-SM)	AU									
1		Light Brown Slightly Silty Fine SAND with Trace of CLAY (SP-SM)										
2		Gray Silty Clayey Fine SAND (SC-SM)										
3		Brown Slightly Silty Fine SAND (SP-SM) ▽										
4												
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-8

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 2.4 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Light Brown Slighlty Silty Fine SAND (SP-SM)	AU									
1												
2		▽										
3		Light Brown Slightly Silty Fine SAND (very loose) (SP-SM)										
4												
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-9

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 4.0 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Light Brown Slighlty Silty Fine SAND (SP-SM)										
1		Gray Slightly Silty Fine SAND (SP-SM)										
2		Gray Silty Fine SAND with Clay Lenses and Trace of WOOD (SM)						14				34
3		Light Brown Slightly Silty Fine SAND (SP-SM)	AU									
4	▽											
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-10

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 3.9 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Gray/Light Brown Slighlty Silty Fine SAND (SP-SM)	AU					20				47
1		Gray Silty Clayey Fine SAND (SC-SM)										
2		Light Brown Slightly Silty Fine SAND (SP-SM)										
3												
4	▽	Gray Slightly Silty Fine SAND (SP-SM)										
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-11

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 3.7 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Light Brown Slighlty Silty Fine SAND with Clay Lenses (SP-SM)	AU									
1												
		Gray/Brown Slightly Silty Fine SAND (SP-SM)										
2												
		Gray/Light Gray Slightly Silty Fine SAND (SP-SM)										
3		▽										
4												
5		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-12

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 4.9 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Light Brown Slighlty Silty Fine SAND (SP-SM)	AU									
		Light Brown Slightly Silty Fine SAND with Trace of CLAY (SP-SM)										
1		Light Brown Clayey Fine SAND (SC)										
		Gray Silty Clayey Fine SAND (SC-SM)										
2												
		Light Brown Slightly Silty Fine SAND (SP-SM)										
3												
4												
		Gray/Brown Slightly Silty Fine SAND (SP-SM)										
5	▽											
		Boring Termination Depth at 5.0 feet.										

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BORING NUMBER HA-13

CLIENT North Bay Haven Charter Academy
PROJECT NAME North Bay Haven Athletic Field
PROJECT NUMBER M126-101-095
PROJECT LOCATION Bay County, Florida
DATE STARTED 6/16/26 **COMPLETED** 6/16/26
GROUND ELEVATION _____ **HOLE SIZE** _____
DRILLING CONTRACTOR _____
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger Boring
▽ **DEPTH TO GROUNDWATER AT TIME OF DRILLING** 2.5 ft
LOGGED BY B. Vickers **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: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Light Brown Slighlty Silty Fine SAND (SP-SM)	AU									
1												
2		Light Brown/Brown Slightly Silty Fine SAND (SP-SM)										
3		▽										
4		Gray Slightly Silty Fine SAND (SP-SM)										
5		Boring Termination Depth at 5.0 feet.										

GEOTECH BH COLUMNS NORTH BAY HAVEN ATHLETIC FIELD.GPJ GINT STD US LAB.GDT 6/26/26