FLORIDA DEPARTMENT OF Environmental Protection

Southwest District Office
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

August 1, 2024

Randy Dunlap, President
Titan Florida, LLC
800 Fairway Drive
Deerfield Beach, FL 33441
rdunlap@titanamerica.com

Patrick Blair, Authorized Representative
Tampa Port Authority
1101 Channelside Drive
Tampa, FL 33602
pblair@tampaport.com

Re: DEP v. Titan Florida, LLC, Tampa Port Authority
Executed Consent Order OGC File No.: 24-1882
Titan Florida LLC, Port of Tampa Ready Mix Plant
Facility ID No. FLG110952 & 29-0266058-005-EI
Hillsborough County

Dear Mr. Dunlap and Mr. Blair:

Enclosed please find the executed Consent Order OGC No. 24-1882, regarding the above referenced facility. The effective date of the Consent Order is the filing date entered by the designated Department Clerk on the signature page.

Please address any inquiries in relation to Permit 29-0266058-005-EI to Maggie Kratzer of the Southwest District Office at (813)470-5867, or via email at: Maggie.Kratzer@FloridaDEP.gov.

Please address any inquiries in relation to Permit FLG110952 to Hannah Teague of the Southwest District Office at (813)470-5727, or via email at: Hannah.Teague@FloridaDEP.gov.

Sincerely,

For Ms. Kelley M. Boatwright
Southwest District Director
Florida Department of Environmental Protection

Enclosure: Executed Consent Order
Exhibit A: Revised In-Kind Language
Exhibit B: Responses to Comments
Exhibit C: WSMP

cc: Lee Roberts, Titan, lroberts@titanamerica.com
Taylor Humbarger, Titan, thumbarger@titanamerica.com
Matthew Davitt, Titan, mdavitt@titanamerica.com
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Ms. Lea Crandall, FDEP-OGC, Lea.Crandall@FloridaDEP.gov

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	)	IN THE OFFICE OF THE SOUTHWEST DISTRICT
v.	)	OGC FILE NO. 24-1882
TITAN FLORIDA, LLC, TAMPA PORT AUTHORITY	)	

CONSENT ORDER

This Consent Order ("Order") is entered into between the State of Florida Department of Environmental Protection ("Department") and Titan Florida, LLC and Tampa Port Authority ("Respondents") to reach settlement of certain matters at issue between the Department and Respondents.

The Department finds and Respondents admit the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to protect Florida's air and water resources and to administer and enforce the provisions of Chapter 403, Florida Statutes ("F.S."), and the rules promulgated and authorized in Title 62, Florida Administrative Code ("F.A.C."). The Department has jurisdiction over the matters addressed in this Order.

2. Respondents is a person within the meaning of Section 403.031(5), F.S.

3. The property located at 4219 Maritime Blvd., Tampa, in Hillsborough County, Florida is owned by Tampa Port Authority ("Property"), Parcel No. 199547-0060.

4. Titan Florida, LLC leases the property from Tampa Port Authority and is responsible for the operation of Titan Florida LLC, Port of Tampa Ready Mix Plant which is a "New" Concrete Batch Plant with a dry retention pond for the Type I system and a Type II system ("Facility"). Respondents operate the Facility under Department Wastewater Permit No. FLG110952 which was issued on August 19, 2021, and will expire on August 18, 2026.

Respondents also operate the Facility under Department Environmental Resource Permit No. 29-0266058-005-EI, which was issued on January 26, 2022, and will expire on January 26, 2027.

5. The Department conducted inspections of the Facility on January 19, 2024, and April 3, 2024 and observed the following violations:

a) The Facility did not submit the "Notification of Completion of Construction" (DEP Form 62-620.910(12)) which is required prior to placing a newly constructed facility or modified portion of an existing facility into operation, which is in violation of Rule 62-620.410 F.A.C. and Industrial Wastewater Permit Condition VII.C.2. The Facility also did not submit the "As-Built Certification and Request for Conversion to Operational Phase (DEP Form 62-330.310(1))" within 30 days after completing construction of the entire project in violation of Rule 62-330.310(1) and General Condition 6 found in ERP Permit No. 29-0266058-005-EI.

b) The Facility is currently permitted as a Type I dry-retention pond, and it was observed during the inspections that the pond was not functioning nor percolating as described in the permit applications, which is in violation of Rule 62-621.300(3)(a) F.A.C., and Specific Condition 17 under the Operation and Maintenance Activities found in ERP Permit No. 29-0266058-005-EI.

c) Ponding was noted adjacent to the aggregate bins on the East side of the property during the inspections, which has the potential to result in offsite discharge, which is in violation of Rule 62-621.300(3)(a), F.A.C.

Having reached a resolution of the matter Respondents and the Department mutually agree and it is

ORDERED:

6. Respondents shall comply with the following corrective actions within the stated time periods:

a) **Immediately and henceforth**, Respondents shall implement Exhibit B: "*Response to Comments*" which was submitted to the Department in response to the activities noted in paragraph 5.

b) Within **90 days** of the effective date of this Order, Respondents shall submit to the Department the below applications to modify the Type I dry-retention system.

i) Submit a complete permit modification relating to Department Environmental Resource Permit No. 29-0266058-005-EI,

ii) Submit a new complete permit application in relation to Department Wastewater Permit No. FLG110952.

c) Once the above permits are issued, Respondents shall complete construction activities related to the Type I dry-retention pond within 180 days.

d) Within **30 days** of completion of construction and prior to placing a newly constructed facility or modified portion of an existing facility into operation, Respondents shall submit the following:

i) "Notification of Completion of Construction" (DEP Form 62-620.910(12)),

ii) "As-Built Certification and Request for Conversion to Operational Phase" (DEP Form 62-330.310(1)

e) Within **30 days** of the effective date of this Order, Respondents shall submit to the Department the grading survey with contour lines denoting the flow of water on the property. If the survey depicts potential for offsite discharge, the facility shall complete the following:

i) Within **30 days** of receiving the grading survey, Respondents shall submit to the Department for review and approval, a corrective action plan along with timelines to eliminate the potential for offsite discharge.

ii) Once Department approval is received, Respondents shall adhere to the submitted corrective action plan, and submit a revised grading survey.

7. In the event that the permits described in paragraph 6 are not approved by the Department, the Respondent shall discontinue operations and remove any associated structures within **180 days of denial**.

8. Respondents shall continue implementing and updating (as needed) the existing Wastewater and Stormwater Management Plan (WSMP) found in Exhibit C, *"WSMP."* The Facility shall contact the State Watch Office at 1-(800) 320-0519 and notify the Department's Southwest District Office in the event that a discharge/abnormal event reaches surface waters of the State or is larger than 1,000 gallons.

9. Every week after the effective date of this Consent Order, and continuing until all corrective actions have been completed, Respondents shall submit in writing to the Department a report containing rainfall data, any discharge/abnormal events that may have occurred at the facility during said week along with corrective actions taken. Respondents shall submit the reports to the Department between the Sunday of that week and the following Wednesday.

10. Every quarter after the effective date of this Consent Order, and continuing until all corrective actions have been completed, Respondents shall submit in writing to the Department a report containing information concerning the status and progress of projects being completed under this Order, information as to compliance or noncompliance with the applicable requirements of this Order including construction requirements, and any reasons for noncompliance. These reports shall also include a projection of the work to be performed pursuant to this Order during the 12-month period which will follow the report. Respondent shall submit the reports to the Department within **30 days** of the end of each quarter.

11. Within **30 days** of the effective date of this Order, Respondents shall pay the Department $48,352.00 in settlement of the regulatory matters addressed in this Order. This amount includes $31,000.00 for civil penalties, $852.00 in economic benefit, $15,500.00 for history of non-compliance and $1,000.00 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Order. The civil penalty in this case includes 5 violations that warrants a penalty of $1,000.00 or more.

12. Respondents agree to pay the Department stipulated penalties in the amount of $2,500.00 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraph(s) 6 through 10 of this Order or in the event that the Facility has an

offsite discharge to surface waters outside of a 10-year 24-hour storm event. The Department may demand stipulated penalties at any time after violations occur. Respondents shall pay stipulated penalties owed within **30 days** of the Department's issuance of written demand for payment, and shall do so as further described in paragraph 14, below. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any terms of this Order. Any stipulated penalties assessed under this paragraph shall be in addition to the civil penalties agreed to in paragraph 11 of this Order.

13. In lieu of making cash payment of $47,352.00 in penalties as set forth in paragraph 11 above, the Department, at its discretion, may allow Respondents to off-set this amount by implementing an in-kind project, which must be approved by the Department. An in-kind project must be either an environmental enhancement, environmental restoration, or a capital/facility improvement project and may not be a corrective action requirement of the Order or otherwise required by law. The Department may also consider the donation of environmentally sensitive land as an in-kind project. The value of the in-kind penalty project shall be one and a half times the portion of the stipulated penalty amount for which the approved project offsets which, in this case, is $71,028.00. If Respondents choose to implement an in-kind project, Respondents shall notify the Department of its election either electronically or by certified mail within **15 days** of the effective date of this Consent Order. Notwithstanding the election to implement an in-kind project, payment of the remaining $1,000.00 in costs must be paid within **30 days** of the effective date of the Consent Order. If Respondents elect to implement an in-kind project, then Respondents shall comply with all the requirements and time frames in Exhibit A: entitled "In-Kind Projects".

14. Respondents shall make all payments required by this Order by cashier's check, money order or on-line payment. Cashier's check or money order shall be made payable to the "Department of Environmental Protection" and shall include both the OGC number assigned to this Order and the notation "Water Quality Assurance Trust Fund." Online payments by e-check can be made by going to the DEP Business Portal at: http://www.fldepportal.com/go/pay/. It will take a number of days after this order

becomes final, effective and filed with the Clerk of the Department before ability to make online payment is available.

15. Except as otherwise provided, all submittals required by this Order shall be sent to Hannah Teague or Maggie Kratzer, Environmental Specialist II, Department of Environmental Protection, Southwest District Office located at 13051 N. Telecom Parkway, Suite 101, Temple Terrace, FL 33637.

16. Respondents shall allow all authorized representatives of the Department access to the Facility and the Property at reasonable times for the purpose of determining compliance with the terms of this Order and the rules and statutes administered by the Department.

17. The Department, for and in consideration of the complete and timely performance by Respondents of all the obligations agreed to in this Order, hereby conditionally waives its right to seek judicial imposition of damages or civil penalties for the violations described above up to the date of the filing of this Order. This waiver is conditioned upon Respondents complete compliance with all of the terms of this Order.

18. This Order is a settlement of the Department's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Order is not a settlement of any criminal liabilities which may arise under Florida law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law. Entry of this Order does not relieve Respondents of the need to comply with applicable federal, state, or local laws, rules, or ordinances.

19. The Department hereby expressly reserves the right to initiate appropriate legal action to address any violations of statutes or rules administered by the Department that are not specifically resolved by this Order.

20. Respondents are fully aware that a violation of the terms of this Order may subject Respondents to judicial imposition of damages, civil penalties up to $15,000.00 per day per violation, and criminal penalties.

21. Respondents acknowledge and waive their rights to an administrative hearing pursuant to sections 120.569 and 120.57, F.S., on the terms of this Order. Respondents also

acknowledge and waive their rights to appeal the terms of this Order pursuant to section 120.68, F.S.

22. Electronic signatures or other versions of the parties' signatures, such as .pdf or facsimile, shall be valid and have the same force and effect as originals. No modifications of the terms of this Order will be effective until reduced to writing, executed by both Respondents and the Department, and filed with the clerk of the Department.

23. The terms and conditions set forth in this Order may be enforced in a court of competent jurisdiction pursuant to sections 120.69 and 403.121, F.S. Failure to comply with the terms of this Order constitutes a violation of section 403.161(1)(b), F.S.

24. This Consent Order is a final order of the Department pursuant to section 120.52(7), F.S., and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, F.S. Upon the timely filing of a petition, this Consent Order will not be effective until further order of the Department.

25. Respondents shall publish the following notice in a newspaper of daily circulation in Hillsborough County, Florida. The notice shall be published one time only within **15 days** of the effective date of the Order. Respondents shall provide a certified copy of the published notice to the Department within **10 days** of publication.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF CONSENT ORDER

The Department of Environmental Protection ("Department") gives notice of agency action of entering into a Consent Order with TITAN FLORIDA, LLC and Tampa Port Authority pursuant to section 120.57(4), Florida Statutes. The Consent Order addresses that the facility did not submit the "Notification of Completion of Construction" nor the "As-Built Certification and Request for Conversion to Operational Phase," the permitted Type I dry-retention pond was not functioning as intended, and excessive ponding was occurring onsite at 4219 Maritime Blvd Tampa, in Hillsborough County, Florida. The Consent Order is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday

through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office located at 13051 N. Telecom Parkway, Suite 101, Temple Terrace, FL 33637.

Persons who are not parties to this Consent Order, but whose substantial interests are affected by it, have a right to petition for an administrative hearing under sections 120.569 and 120.57, Florida Statutes. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition concerning this Consent Order means that the Department's final action may be different from the position it has taken in the Consent Order.

The petition for administrative hearing must contain all of the following information:

a) The name and address of each agency affected and each agency's file or identification number, if known;

b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

c) A statement of when and how the petitioner received notice of the agency decision;

d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;

f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS# 35, Tallahassee, Florida 32399-3000 or received via electronic correspondence at Agency_Clerk@floridadep.gov, within 21 days of receipt of this notice. A copy of the petition must also be mailed at the time of filing to the District Office at Southwest District Office located at 13051 N. Telecom Parkway, Suite 101, Temple Terrace, FL 33637. Failure to file a petition within the 21-day period constitutes a person's waiver of the right to request an administrative hearing and to participate as a party to this proceeding under sections 120.569 and 120.57, Florida Statutes. Before the deadline for filing a petition, a person whose substantial interests are affected by this Consent Order may choose to pursue mediation as an alternative remedy under section 120.573, Florida Statutes. Choosing mediation will not adversely affect such person's right to request an administrative hearing if mediation does not result in a settlement. Additional information about mediation is provided in section 120.573, Florida Statutes and Rule 62-110.106(12), Florida Administrative Code.

26. Rules referenced in this Order are available at http://www.dep.state.fl.us/legal/Rules/rulelist.htm.

FOR THE RESPONDENTS:

Randy Dunlap, Titan Florida, LLC,
President

7/25/24
DATE

Patrick Blair, Tampa Port Authority,
Responsible Official

7/25/24
DATE

DONE AND ORDERED this 1 day of August, 2024, in Hillsborough, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Pamala Vazquez Digitally signed by Pamala Vazquez Date: 2024.08.01 14:25:57 -04'00'

Ms. Kelley M. Boatwright
District Director
Southwest District

Filed, on this date, pursuant to section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Ashleigh Ramey

Clerk

August 1, 2024

DATE

Copies furnished to:

Lea Crandall, Agency Clerk
Mail Station 35

Exhibit A

In-Kind Projects

I. Introduction

An in-kind project

a. Within 60 days of the effective date of this Consent Order, Respondent shall submit, either electronically or by certified mail, a detailed in-kind project proposal to the Department for evaluation. The proposal shall include a summary of benefits, proposed schedule for implementation and documentation of the estimated costs which are expected to be incurred to complete the project. These costs shall not include those incurred in developing the proposal or obtaining approval from the Department for the in-kind project.

b. If the Department requests additional information or clarification due to a partially incomplete in-kind project proposal or requests modifications due to deficiencies with Department guidelines, Respondent shall submit, either electronically or by certified mail, all requested additional information, clarification, and modifications within 15 days of receipts of written notice.

c. If upon review of the in-kind project proposal, the Department determines that the project cannot be accepted due to a substantially incomplete proposal or due to substantial deficiencies with minimum Department guidelines; Respondent shall be notified, in writing, of the reason(s) which prevent the acceptance of the proposal. Respondent shall correct and redress all of the matters at issue and submit, either electronically or by certified mail, a new proposal within 30 days of receipt of written notice. In the event that the revised proposal is not

approved by the Department, Respondent shall make cash payment of the civil penalties as set forth in paragraph 14 of the Consent Order within 30 days of Department notice.

d. Within 120 days of the effective date of this Consent Order, Respondent shall obtain approval for an in-kind project from the Department. If an in-kind project proposal is not approved by the Department within 120 days of the effective date of this Consent Order, then Respondent shall make cash payment of the civil penalties as set forth in paragraph 14 in the Consent Order, within 30 days of Department notice.

e. Within 180 days of obtaining Department approval for the in-kind proposal or in accordance with the approved schedule submitted pursuant to paragraph (a) above, Respondent shall complete the entire in-kind project.

f. During the implementation of the in-kind project, Respondent shall place appropriate sign(s) at the project site indicating that Respondent's involvement with the project is the result of a Department enforcement action. Respondent may remove the sign(s) after the project has been completed. However, after the project has been completed Respondent shall not post any sign(s) at the site indicating that the reason for the project was anything other than a Department enforcement action.

g. In the event, Respondent fails to timely submit any requested information to the Department, fails to complete implementation of the in-kind project or otherwise fails to comply with any provision of this paragraph, the in-kind penalty project option shall be forfeited and the entire amount of civil penalties shall be due from the Respondent to the Department within 30 days of Department notice. If the in-kind penalty project is terminated and Respondent timely remits the penalty, no additional penalties shall be assessed under paragraph 14 in the Consent Order for failure to complete the requirement of this paragraph.

h. Within 15 days of completing the in-kind project, Respondent shall notify the Department, either electronically or by certified mail, of the project completion and request a verification letter from the Department. Respondent shall submit supporting information verifying that the project was completed in accordance with the approved proposal and documentation showing the actual costs incurred to complete the project. These costs shall not include those incurred in developing the proposal or obtaining approval from the Department for the project.

i. If upon review of the notification of completion, the Department determines that the project cannot be accepted due to a substantially incomplete notification of completion or due to substantial deviations from the approved in-kind project; Respondent shall be notified, in writing, of the reason(s) which prevent the acceptance of the project. Respondent shall correct and redress all of the matters at issue and submit, either electronically or by certified mail, a new notification of completion within 15 days of receipt of the Department's notice. If upon review of the new submittal, the Department determines that the in-kind project is still incomplete or not in accordance with the approved proposal, the in-kind penalty project option shall be forfeited and the entire amount of civil penalty shall be due from the Respondent to the Department within 30 days of Department notice. <u>If the in-kind penalty project is terminated and Respondent timely remits the penalty, no additional penalties shall be assessed for failure to complete the requirements of this paragraph.</u>

Alan Gerwig & Associates
A GM2 Company

April 19, 2024

Hannah Teague
Maggie Kratzer
Southwest District Office
Florida Department of Environmental Protection
13051 Telecom Pkwy North
Temple Terrace, FL 33637

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115 GLASTONBURY BLVD
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561.792.9000

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10 CABOT RD
SUITE 101B
MEDFORD MA 02155
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6 CHESTNUT ST
SUITE 110
AMESBURY MA 01913
978.388.2157

27 JEFFERSON ST
TAUNTON MA 02780
508.824.6609

197 LOUDON RD
SUITE 310
CONCORD NH 03301
603.856.7854

200 MAIN ST
PAWTUCKET RI 02860
401.726.4084

Re: Response to Comments – Compliance Assistance Offer
Titan Florida LLC, Port of Tampa Ready Mix Plant
Facility ID: FLG110952 & 29-0266058-005-EI
Hillsborough County

Dear Ms. Teague & Kratzer:

Per your email on April 4, 2024, Alan Gerwig & Associates, Inc. (a GM2 Company), has prepared this report on behalf of Titan Florida, LLC, summarizing the investigation efforts at the referenced facility in response to a violation notice issued by the Florida Department of Environmental Protection (FDEP) on February 7, 2024. A portion of the comments from the February 7th FDEP letter were addressed by AGA in previous responses issued on February 22, 2024 and March 22, 2024. Please allow this report to address the final comments from the February 7th FDEP letter that concern performance of the site grading and stormwater system at the Titan Port of Tampa facility.

Based on the FDEP letter and other subsequent correspondence from you, it is our understanding the primary issues to be assessed were if the grading of the site was consistent with the permitted design plans and appropriately draining to the stormwater pond, and why the stormwater pond was not infiltrating the stormwater into the subsurface as originally designed. The professional land survey completed for the investigation area is provided in **Appendix A**. The geotechnical report is provided as **Appendix B**. Photographs documenting the geotechnical field investigation are provided as **Appendix C.** A historical aerial photograph comparison is provided as **Appendix D**, and conceptual repair recommendations to the stormwater pond are provided in **Appendix E**.

INVESTIGATION

To assess these comments, a professional land surveyor (SurvTech) was retained by Titan to perform several survey tasks that include performing a topographic survey of the site, along with strategic elevation measurements of other stormwater system associated structures, such as the fines sediment trap at the northwest corner of the pond, the at-time pond water levels, the overflow control structure, as well as elevations of newly installed visual water level gauges at the pond, neighboring dry ponds to the west, and at the shoreline directly west of the Titan facility pond. The survey data was plotted on a new topographic survey that is provided in **Appendix A.**

The second issue was the collected water not infiltrating into the subsurface below the pond as originally designed. From our review of the original design drawings and initial geotechnical assessment report, the pond was designed to hold the 10-year 24-hr storm with recovery by percolation and evaporation. It is our understanding that since the initial construction of the pond, it has consistently not percolated the captured water as originally designed. To investigate the potential cause(s) of this deficiency, AGA had a limited subsurface investigation completed by geotechnical engineering subconsultant Thomas Geotechnical Services (TGS). The investigation consisted of performing three (3) Standard Penetration Test (SPT) borings around the periphery of the pond to investigate the insitu lithology and collect samples for laboratory testing. To provide a comprehensive lithological profile of the investigation area, the split-spoon (ss) samples were collected contiguously from grade to a depth of 20 feet below existing grade (ft-beg) and select soil samples were collected for further laboratory analyses.

The results of the geotechnical assessment by TGS reported that the lithology from nearly existing grade to a depth of approximately 13 ft encountered a sequence of very fine sediments such as clayey-silty sands and silty sands, with the predominate sediment being clayey-silt in the upper 12-13 ft. Below a layer of silty sand with varying types and amounts of debris was reported from depths ranging from 13-16 ft, generally. This was underlain by typical fine sand until termination of the boring at 20 ft-beg. A total of (12) samples were collected for laboratory analyses. The analyses performed included natural moisture content, grain size analysis, wash #200, and Atterberg limits. The results of the laboratory analyses indicate that (8) of the (12) samples had fines content (<#200 sieve) greater than 60 percent, with (6) of the (12) samples having fines content greater than 80 percent. The complete geotechnical report, including digital soil boring logs and laboratory analysis are provided in **Appendix B**. Photographs documenting the geotechnical assessment and examples of in-spoon soil samples are provided as **Appendix C**.

HISTORICAL AERIAL PHOTOGRAPH COMPARISON

Based on the varying lithological conditions encountered in the geotechnical investigation, we performed a review of publicly available historical aerial photographs from 1957, 1982, and 2023 to investigate the land development of the Hookers Point peninsula (see **Appendix D**). The photographs show that from 1957 to 2023, the peninsula has extended nearly (1) mile to the south. The extension of the peninsula was accomplished by placing massive amounts of fill material into the bay. This is seen in the stratigraphy of the borings where a debris layer was encountered roughly around 13 ft-beg and is then overlain by varying soil types to existing grade. The significance of this information is that fill material placed during artificial land building activities in a shallow marine environment result in highly variable subsurface conditions in both material type and relative compaction, which are two critical factors in a materials hydraulic conductivity.

The combination of the subsurface soils having such a high silt or clay (fines) content with the fact that the material was place as fill during artificial land building activities creates a subsurface condition that is very unfavorable to stormwater infiltration.

CONCLUSIONS

In terms of the grading, based on the survey data it appears the grading is generally consistent with the permitted design and shows the grading drains towards the northwestern corner of the stormwater pond.

In regard to the stormwater pond water infiltration, based on the information gathered from our assessment it is our opinion that the subsurface conditions in the area of the Titan property stormwater pond have very poor infiltration abilities and are not conducive to a dry pond design.

In addition to the geotechnical investigation, water level gauges were placed at strategic locations in the Titan property stormwater pond, the neighboring dry stormwater ponds to the west, and at the western peninsula shoreline to Tampa Bay. The original intent of these gauges was to monitor the water levels of these three areas to document any potential correlation between the water levels of these areas in contrast to the pond on Titan's

property. However, upon review of the geotechnical data which clearly identified the water infiltration problem, monitoring of the gauges became unnecessary, so this information is not included in this submittal.

RECOMMENDATIONS

Based on the above information, it is our recommendation that the existing permit be modified from a retention system to a detention system in accordance with the General Permit requirements.

Once the permit is modified the pond would be partitioned and sized to meet the General Permit requirements for a detention system (see **Figure 1** in **Appendix E**).

To accommodate this modification, GM2 respectfully requests 90 days to design and permit the system modifications, and a subsequent 180 days to facilitate construction following approval of the permit modifications.

LIMITATIONS

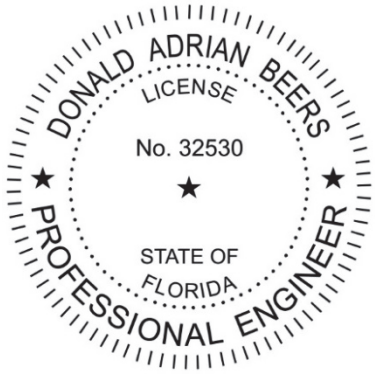
The conclusions and recommendations presented within this report were developed based on our visual observations of the subject property, the information in the attached geotechnical engineering report, and our professional judgment. The soil conditions described within this report are accurate with respect to the location and depth that the soil borings were completed. Because soil types vary with location and depth, subsurface conditions different from those encountered in this exploration may exist. This investigation was performed in accordance with generally accepted standards of practice. AGA/GM2 reserves the right to update the information, conclusions, and/or recommendations within this report as new information is gained. No warranty regarding this investigation or the effectiveness of any remedial measures is intended, nor should any be inferred.

Please don't hesitate to contact me at dbeers@gm2inc.com or (561) 310-9902 if you have any questions or concerns regarding this letter.

Respectfully,

Donald A Beers

Digitally signed by Donald A Beers
Date: 2024.04.19 14:45:07 -04'00'



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DONALD ADRIAN BEERS ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENT.

Christian P. Gunn
Senior Project Manager

Donald A. Beers, P.E., CGC
Senior Project Engineer

Cc: Shelby Olsen, Titan Florida LLC. | SOlsen@TitanAmerica.com
Alan Gerwig, GM2 Associates, Inc. | agerwig@gm2inc.com

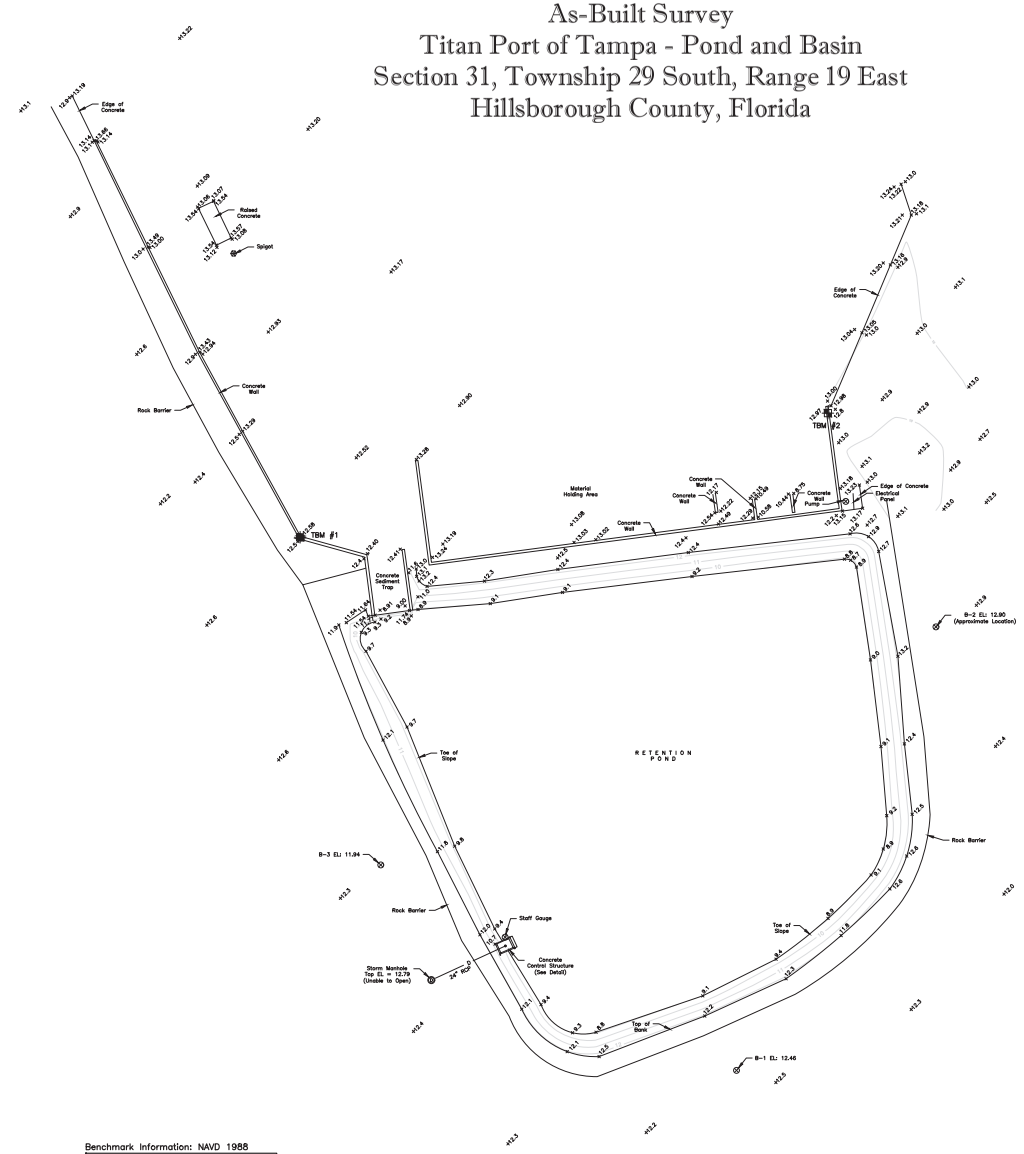
Appendix A

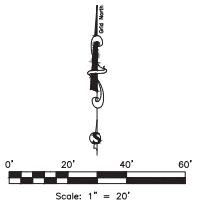
Land Survey

As-Built Survey
Titan Port of Tampa - Pond and Basin
Section 31, Township 29 South, Range 19 East
Hillsborough County, Florida

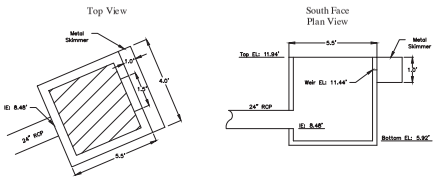
Legend of Symbols & Abbreviations

PSM	Professional Surveyor and Mapper		Sign
Id.	Identification		Temporary Benchmark
LB	Licensed Business		Storm Manhole
OR	Official Records		Miscellaneous Item
No.	Number		Underground Drainage Pipe
TBM	Temporary Benchmark	+13.4	Spot Elevation
RCP	Reinforced Concrete Pipe	+13.45	Spot Elevation on Hard Surface
EL	Elevation		





Control Structure



Surveyor's Notes

1.) Paper copies of this survey are not valid without the original signature and raised seal of a Florida Licensed Surveyor and Mapper. Digital copies are not valid without the digital signature of a Florida Licensed Surveyor and Mapper.
2.) The horizontal datum utilized for this project is NAD 1983 Florida West Zone, 2011 Adjustment, U.S. Survey Feet. Said datum was established by utilizing the Florida Permanent Reference Network (FPRN).
3.) The vertical datum utilized for this project is NAVD 1988, U.S. Survey Feet. The benchmark utilized was National Geodetic Survey (NGS) Control Station "TPA 0004" with an elevation of 8.88 feet.
4.) All utilities depicted hereon are from visible evidence only. Surveyor did not contact subsurface utility locator service.
5.) No underground foundations or footers were excavated or located for this survey.
6.) THIS IS NOT A BOUNDARY SURVEY.

Benchmark Information: NAVD 1988

TBM #1
Elevation = 13.10'
N: 1299225.13
E: 515433.07
Set nail & disk labeled "SurvTech Trav. Pt" in concrete wall.

TBM #2
Elevation = 14.00'
N: 1299267.45
E: 515613.00
"SurvTech Trav. Pt" in concrete wall.

Stacy L. Brown PSM No. 6516
SurvTech Solutions, Inc. LB No. 7340

Certifications:
Titan America

Project Name: Titan Port of Tampa Pond and Basin As-built — Project No.: 240448
Address: 4219 Maritime Boulevard — City: Tampa — State: Florida

REVISION	DATE	INITIALS

SURVEYING TODAY WITH TOMORROWS TECHNOLOGY

Drafted By: C. Criner
Date Drafted: 04/18/24
Approved By: S. Brown
Date Approved: 04/19/24
Drawing Name: 240448_AB
Prior Project No.: 222531
Last Field Date: 03/29/24
Field Book/Page: 23-28/46

SURVTECH SOLUTIONS, INC.
10220 U.S. Highway 92 East
Tampa, FL 33610
phone: (813)-621-4929
fax: (813)-621-7194
Licensed Business #7340
email: sbrown@survtechsolutions.com
http://www.survtechsolutions.com

Date Plotted: 4/19/2024 7:58:15 AM By: Stacy Brown

Appendix B

Geotechnical Report

THOMAS GEOTECHNICAL SERVICES
GEOTECHNICAL • TESTING • INSPECTIONS

April 16, 2024

Mr. Donald Beers, P.E.
GM2 Associated, Inc.
12798 W. Forest Hill Boulevard, Suite 201
Wellington, FL 33414
Email: dbeers@gm2inc.com
Phone: 561-792-9000

Re: Geotechnical Engineering Services
Titan Tampa Port-Pond Evaluation
4219 Maritime Boulevard
Tampa, FL 33605
TGS File No. 240344

Dear Don:

TGS is pleased to transmit our Geotechnical Engineering Services Report for the referenced project. This report includes the results of field testing, subsurface information, water table depth, estimated normal seasonal high-water table (SHWT), and laboratory test results.

PROJECT INFORMATION

Project Authorization

TGS has completed a geotechnical exploration for the Titan Tampa Port-Pond Evaluation project in Tampa, Florida. Mr. Donald Beers, P.E. with GM2 Associated, Inc., authorized our services by signing TGS proposal No. 2403-074, dated March 13, 2024.

Project Description

Some preliminary information regarding proposed construction was obtained from Mr. Don Beers. We understand that the existing retention pond, at the tip of the Port of Tampa peninsula, is not percolating as designed (water not recovering by means of percolation). At the time of our visit, the pond water level was observed near or at surrounding existing ground elevations.

The geotechnical recommendations presented in this report are based on the available project information, building location, and the subsurface materials described in this report. If any of the noted information is incorrect, please inform TGS in writing so that we may amend the recommendations presented in this report if appropriate and if desired by the client. TGS will not be responsible for the implementation of its recommendations when it is not notified of changes in the project.

Purpose and Scope of Services

Our original scope of services included advancing three (3) Standard Penetration Test (SPT) borings continuously to a depth of 20± feet below ground elevation, plus the preparation of this report. The soil test borings were drilled adjacent to the existing pond berm.

The scope of services did not include an environmental assessment for determining the presence or absence of wetlands or hazardous or toxic materials in the soil, bedrock, surface water, groundwater, or air on or below, or around this site. Any statements in this report or on the boring log regarding odors, colors, and unusual or suspicious items or conditions are strictly for informational purposes. Prior to further development of this site, an environmental assessment is advisable.

SITE AND SUBSURFACE CONDITIONS

Site Location and Description

The retention pond site is located at 4219 Maritime Boulevard in Tampa, Florida. The pond is part of the Titan Tampa Port facility and is used as a stormwater collection system. At the time of our geotechnical study, the plant was in operation, the site relatively level and covered with sparse grass.

Based on review of historical aerial photographs, the peninsula was "reclaimed" over time, to bring the site to current elevations. We understand that during the backfill process, dredged soils and construction debris were buried at this site. The retention pond was later excavated to its current configuration and depth, approximately 5 feet below grades.

Subsurface Conditions

Review of "Soil Survey of Hillsborough County Area, Florida", prepared by the United States Department of Agriculture (USDA) Soil Conservation Service (SCS), indicates the site is mapped primarily as follows:

Unit Map 43-Quartzipsamments, nearly level. These soils are nearly level and moderately well drained to excessively drained. They formed in accumulations of sand from phosphate mining operations. Quartzipsamments soils are generally confined to areas specially constructed basins. Sand, a by-product of phosphate mining operations, has being pumped into these basins and allowed to dry. Layers of clayey soils are also present in some areas. In most areas, the seasonal high-water table fluctuates between depths of 20 to 72 inches.

A graphic depiction of the soil mapping is included in the Appendix as **Soil Map—Hillsborough County Area, Florida.** The natural soils, as observed, are representative of the above Unit Map series.

Soils for the proposed development were explored with three (3) Standard Penetration Test (SPT) Borings extended to depths of approximately 20 feet below the existing ground surface randomly located around the pond. All SPT tests were completed with a truck-mounted drill rig, BK-51, and mud-rotary drilling methods per ASTM D1586. The test locations were determined in the field by measuring distances from existing site features. GPS coordinates were obtained and are included with the soil profiles. The approximate locations of the field tests completed, the soil profiles and SPT N-Value data are presented on the **Boring Location Plan / Soil Profiles - Sheet 1, in the Appendix**.

The samples of the in-place soils were returned to our laboratory for classification by a geotechnical engineer. The samples were classified in general accordance with the Unified Soil Classification System (ASTM D 2488).

In general, below the exposed subgrade, the borings encountered a mantle of silty sands with varying amounts of limerock fragments extending to depths of 6 to 8± feet, followed by a layer of clayey silt/silty clay extending to 13± feet below grades. This layer of fine-grained soil was underlain by a layer of silty sand with concrete debris extending to 16± feet below grades followed by sand with shell extending to the boring termination depths.

The sands and fine-grained soils were classified as SP-SM, SP-SM/CL, and CH-MH in accordance with the Unified Soil Classification System. N-values indicate the sandy material of medium dense to dense conditions. The silts and clays were soft to medium.

Laboratory Classification Testing

Representative soil samples collected from the borings were classified and stratified in general accordance with the Unified Soil Classification System. Our classification was based on visual inspection, using the results from the laboratory testing as confirmation. The laboratory tests performed include natural moisture content, grain size analysis, wash #200, and Atterberg limits. Laboratory test results are presented in the Appendix as **Summary of Laboratory Tests**. Tests were performed in general accordance with the test methods noted below.

Table 3.3 – Soil Sample Testing Methods	
Test Type	**Test Method**
Moisture Content	ASTM D 2216 (AASHTO T 265)
Sieve Analysis	ASTM C 136 (AASHTO T 27)
Wash #200	ASTM D 1140 (AASHTO T 11)
Atterberg Limits Tests	AASHTO T-89/T-90

Groundwater Information-Normal Seasonal High-Water Table

Groundwater level was measured at the time of advancing the borings. The depth to the free water surface at the time of testing (March 25, 2024) was recorded between 5.5 and 6.0 feet below existing ground surface. The normal seasonal high groundwater table each year is the level in the August-September period near the end of the rainy season, during a year of normal rainfall.

Based on Hillsborough County Soil Survey, the information contained therein, and historical information, the SHWT was determined at 20 inches **below the original soil profile**, consistent with Unit 43, Quartzipsamments. The groundwater table is likely to be influenced by changes in tidal activity.

In general, the seasonal high groundwater level is not intended to define a limit or ensure that future seasonal fluctuations in groundwater levels will not exceed the estimated levels. Post-development groundwater levels could exceed the normal seasonal high groundwater level estimate as a result of a series of rainfall events, changed conditions at the site that alter surface water drainage characteristics, tidal movement, or variations in the duration, intensity, or total volume of rainfall. We recommend that the Contractor determine the actual groundwater levels at the time of the construction to determine groundwater impact on his or her construction procedures.

Conclusion

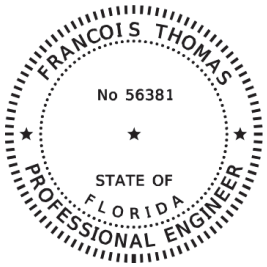
In our opinion, the layer of silty clay/clayey silt (CH-CM) is acting as an aquitard, impeding the flow of water underground. In fact, the layer is acting as a barrier, resulting in "perched" groundwater condition noted at this site.

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.

We appreciate the opportunity to perform this Geotechnical Study and look forward to continued participation during construction phases of this project. If you have any questions pertaining to this report, or if we may be of further service, please contact our office.

Respectfully submitted,

THOMAS GEOTECHNICAL SERVICES, LLC



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

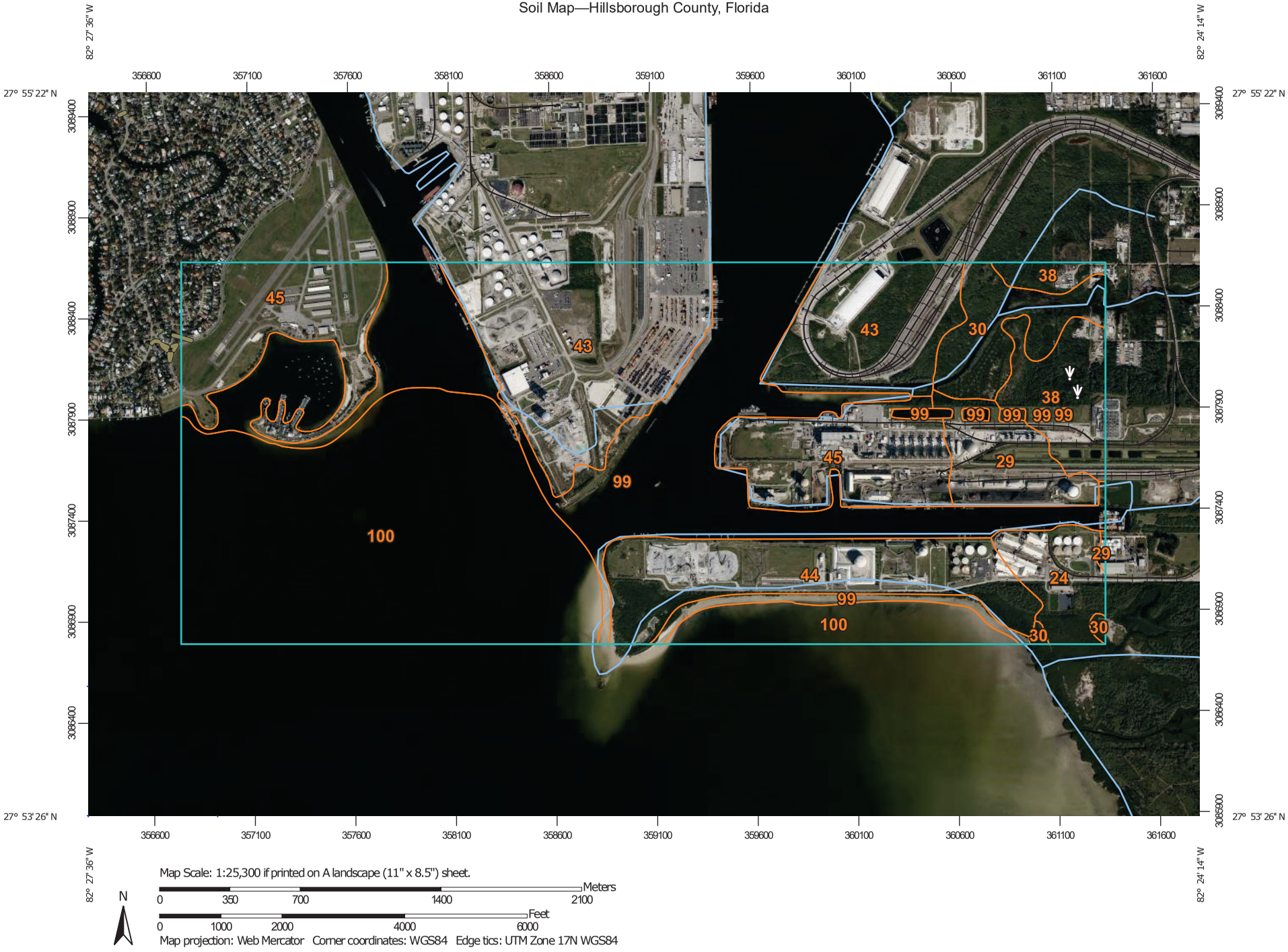
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THOMAS GEOTECHNICAL SERVICES, LLC
6594 WOODLAKE ROAD
JUPITER, FL 33458
CERTIFICATE OF AUTORIZATION 34141

Francois Thomas, P.E.
Principal Engineer
FL Registration No. 56381

FT/24-344

Attachment – NRCS Soil Survey-Soil Map
Boring Location Plan/Soil Profiles – Sheet 1
Summary of Laboratory Test Results



Map Scale: 1:25,300 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 350 700 1400 2100

Feet: 0 1000 2000 4000 6000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hillsborough County, Florida
Survey Area Data: Version 23, Aug 28, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 1, 2023—Sep 1, 2023

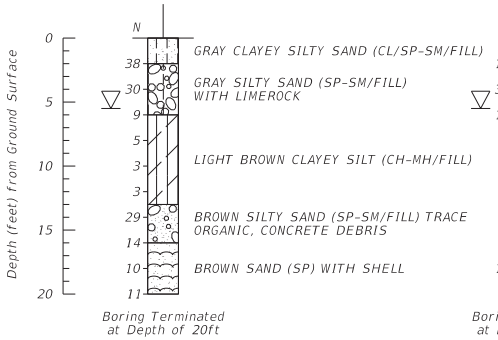
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
24	Kesson muck, frequently flooded	55.1	2.6%
29	Myakka fine sand, 0 to 2 percent slopes	69.1	3.2%
30	Myakka fine sand, frequently flooded	77.7	3.6%
38	Pinellas fine sand, 0 to 2 percent slopes	85.3	4.0%
43	Quartzipsamments, nearly level	362.1	16.8%
44	St. Augustine fine sand, 0 to 2 percent slopes	166.5	7.7%
45	St. Augustine-Urban land complex	268.6	12.5%
99	Water	461.0	21.4%
100	Waters of the Gulf of Mexico	606.3	28.2%
Totals for Area of Interest		**2,151.9**	**100.0%**

APPROXIMATE LOCATION OF SPT BORING

BOR # B-1
DATE 3/25/2024
HAMMER Automatic
RIG BK-51
Latitude 27.907086
Longitude -82.435064



Boring Terminated at Depth of 20ft

BOR # B-2
DATE 3/25/2024
HAMMER Automatic
RIG BK-51
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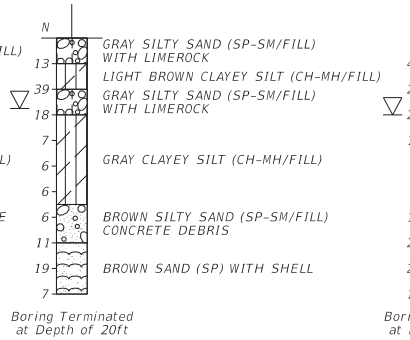
Longitude -82.435253



Boring Terminated at Depth of 20ft

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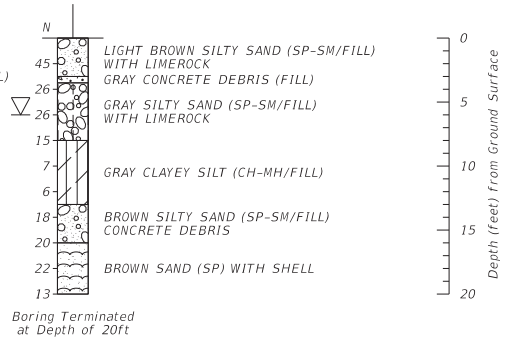
Longitude -82.435666



Boring Terminated at Depth of 20ft

Legend

- Depth of Groundwater Table from Ground Surface
- Silty Sand
- Silty Gravel
- Clayey Silt
- Gravelly Sand
- Shelly Sand
- Concrete

NOTES

* SPT N-VALUES SHOWN ABOVE WERE OBTAINED USING AUTOMATIC HAMMERS. MOST DESIGN CALCULATIONS USE SAFETY HAMMER N-VALUES. THE ABOVE N-VALUES NEED TO BE CONVERTED TO SAFETY HAMMER EQUIVALENT VALUES

** GEOGRAPHIC COORDINATES ARE APPROXIMATE, BASED ON HANDHELD GPS.

THOMAS GEOTECHNICAL SERVICES
GEOTECHNICAL • TESTING • INSPECTIONS

ENGINEER OF RECORD:
FRANCOIS THOMAS, P.E.
FLORIDA LICENSE NO.:
56381

PROJECT ID NUMBER:
24-344

BORING LOCATION PLAN / SOIL STRATIGRAPHY
TITAN TAMPA PORT
POND EVALUATION
4219 MARITIME BOULEVARD
TAMPA, FLORIDA

Sheet:
1

Summary of Laboratory Test Results
Titan Tampa Port-Pond Evaluation
Tampa, Florida
TGS Project No. 23-344

Boring Number	Sample Depth (ft)	USCS Symbol	Sieve Analysis, Percentage Passing								Atterberg Limits			Organic Content (%)	Natural Moisture Content (%)
			3/4"	3/8"	#4	#10	#40	#60	#100	#200	Liquid Limit	Plastic Limit	Plasticity Index		
B-1	4.0-6.0	SP-SM/CL	100	97	92	86	77	69	47	25	40	30	10		25.3
B-1	6.0-8.0	CH-MH	100	95	91	86	78	75	73	71	55	31	24		71.5
B-1	8.0-10.0	CH-MH	100	100	98	97	95	94	93	90	62	33	29		93.4
B-1	10.0-12.0	CH-MH	100	100	100	100	99	98	96	89	82	55	27		88.2
B-2	4.0-6.0	SP-SM	100	83	77	73	67	63	45	28	NP	NP	NP		28.1
B-2	6.0-8.0	CH-MH	100	100	100	99	96	95	94	93	76	54	22		93.3
B-2	8.0-10.0	CH-MH	100	100	98	93	85	83	82	80	66	37	29		80.1
B-2	10.0-12.0	CH-MH	100	100	100	100	100	100	99	98	70	32	38		98.4
B-3	4.0-6.0	SP-SM	88	80	72	65	57	52	39	24	NP	NP	NP		24.1
B-3	6.0-8.0	SP-SM	92	85	79	72	64	57	40	21	NP	NP	NP		19.7
B-3	8.0-10.0	CH-MH	100	100	99	96	91	89	87	84	72	32	50		83.6
B-3	10.0-12.0	SP-SM	100	95	83	73	66	64	63	61	41	29	12		61.9

Appendix C

Photographs

Picture 1

Picture 2

Picture 3

Picture 4

Picture 5

Picture 6

Picture 7

Picture 8

Picture 9

Picture 10

Picture 11

Picture 12

Picture 13

Picture 14

Picture 15

Picture 16

Picture 17

Picture 18

Picture 19

Picture 20

Picture 21

Picture 22

Picture 23

Picture 24

Picture 25

Picture 26

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Picture 32

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Picture 34

Picture 35

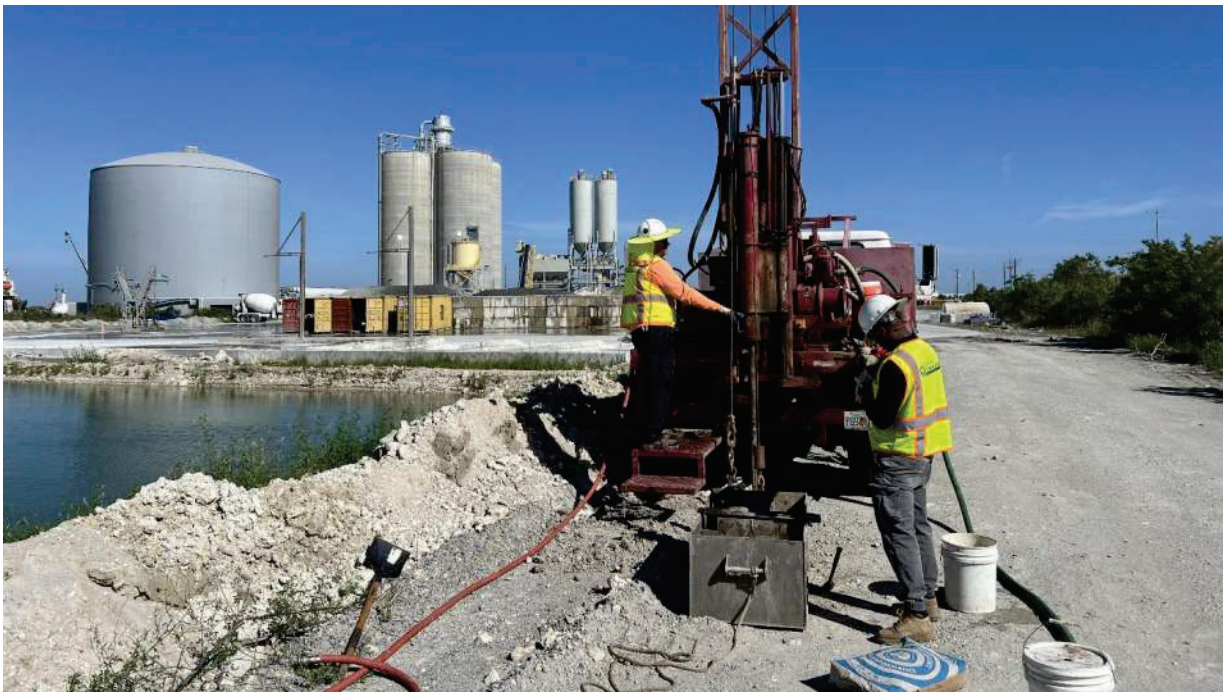
Picture 36

Picture 37

Picture 38

Picture 39

Picture 40



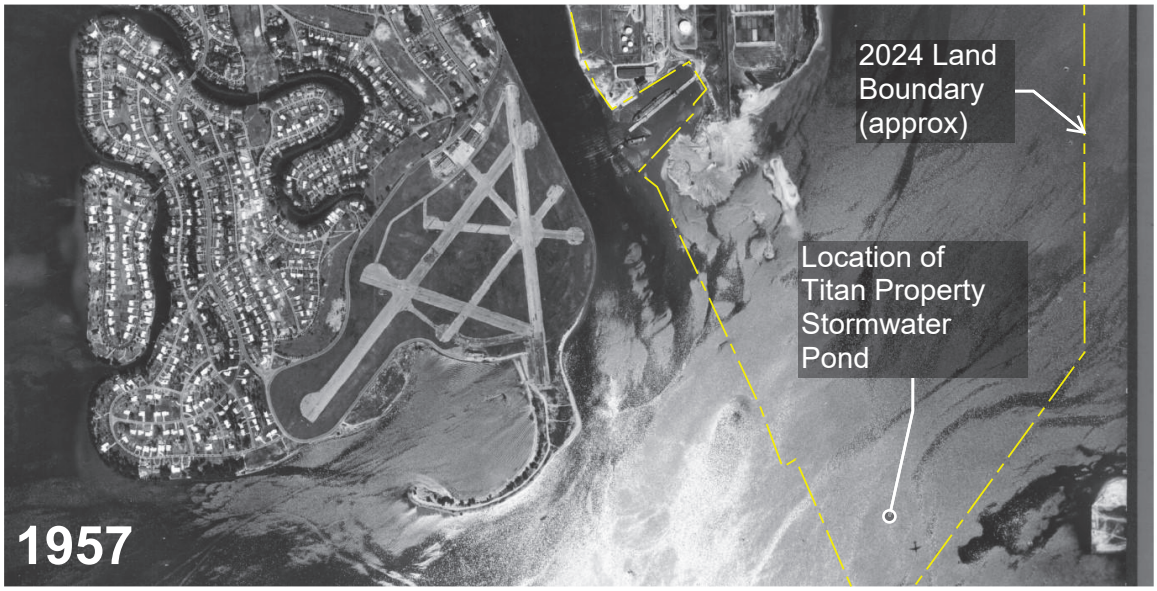
Picture 41

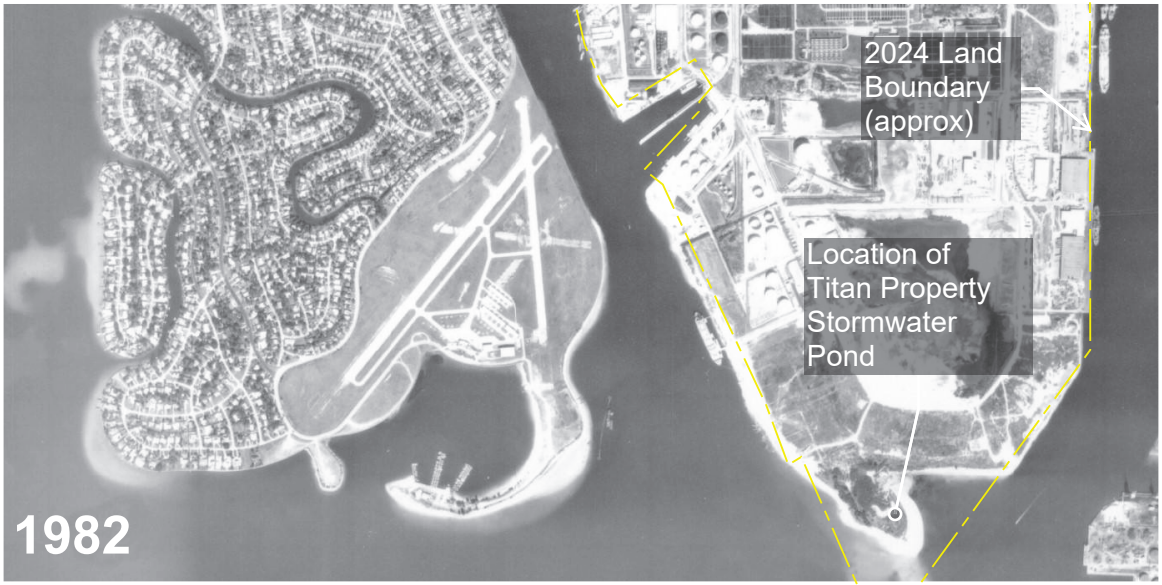
Picture 42

Appendix D

Historical Aerial Photographs

Historical Aerial Photographs





Appendix E

Conceptual Repair Recommendations

FIGURE 1
CONCEPTIAL POND MODIFICATIONS
TITAN PORT OF TAMPA FACILITY
4219 MARITIME BLVD, TAMPA, FL 33605

TITAN FLORIDA LLC

TAMPA TERMINAL READY MIX PLANT

FDEP Permit FLG110952-001-IWCB/GE

WASTEWATER AND STORMWATER MANAGEMENT PLAN

Updated May 2024

TABLE OF CONTENTS

TABLES

FIGURES

ATTACHMENT

WASTEWATER AND STORM WATER MANAGEMENT PLAN

In accordance with the terms and conditions of the Florida Department of Environmental Protection's (FDEP) Generic Permit for Discharges from Concrete Batch Plants (GP), the permittee, Titan Florida LLC (Titan), is required to prepare and implement the following Wastewater and Storm Water Management Plan (WSMP). The WSMP consists of two primary elements - a Best Management Practices (BMP) element and a Storm Water Pollution Prevention (SWPP) element.

I. BEST MANAGEMENT PRACTICES ELEMENT

The BMP is prepared in accordance with Rule 62-621.700, F.A.C.

1.0 TYPE II WASTEWATER CONTAINMENT SYSTEM

1.1 START-UP PROCEDURES

The Type II system consists of a discharge pad adjoining three clarifying cells separated by weirs. The clarifying cells must be filled with clean water. The normal operating volume of the Type II system is attained when the water level reaches the spillway of each weir. Once the system has been filled to the normal operating volume, the recycle pump should be started. Check all pipes for leaks and check the discharge rate from the water tree nozzle(s). The rate should be approximately 200 GPM. If the rate is significantly less, check the pump intake line for obstructions. The Type II system should now be ready for operation. See **Figure 1** for Site layout.

1.2 OPERATION PROCEDURES

Upon returning from a delivery, if there is more than a yard of leftover concrete, it can be ribbed out.

on the discharge pad or on pavement in an area that drains into the on-site sediment trap before washing out. Otherwise, each mixer truck should back up to the water tree and fill the mixer drum with enough water to fluidize the remaining material. The fluidized material should be discharged onto the discharge pad adjacent to Cell 1. Should the discharge pad be completely full of returned solids, the driver should notify the Plant Supervisor so that maintenance procedures can be initiated. Under no circumstances should the fluidized material be deposited on the facility grounds outside of the Type II system.

Should the Type II system fill beyond the normal operating level, excess water should be applied to the aggregate piles for dust control.

1.3 MAINTENANCE PROCEDURES

The Type II system should be checked daily for the volume of solids in Cell 1. When the depth of solids in Cell 1 reaches the bottom of the weir or when the Plant Supervisor deems it necessary, the front-end loader should enter the cell and remove the settled material using the following procedure:

1. Keep weir boards (if applicable) in place.
2. Insert intake line from trash or sump pump into Cell 1.
3. Put discharge line into either Cell 2 or Cell 3.
4. Remove all excess water from Cell 1.
5. With the front- end loader, remove all settled material from the bottom of Cell I.
6. Add water to normal operating level.
7. Remove trash or sump pump and intake and discharge lines.

The second and third clarifying cells must be cleaned following the same guidelines. The level of the solids should not be allowed to accumulate above the bottom of the cell's weir.

In some circumstances, the settled material may have a "soupy" consistency, which prevents the loader operator from depositing the substance on the drying area (i.e., it has the tendency to run back into Cell 1). In this case, the loader operator should form a bermed holding area. The "soupy" material can then be removed from Cell 1 and placed in this area. On an as needed basis the dried material in the Type II drying area must be removed from the site. It is imperative that the dried material is removed on a regular basis to enable the front-end loader adequate room to operate within the Type II drying area. Should the drying area fill to capacity, the DRY or DEWATERED material may be removed from the drying pad and held in an area that will drain to the sediment trap until it can be removed.

The pump(s) should be maintained on a regular basis according to the manufacturer's specifications. At locations where extensive use of fiber mesh is prevalent, a screen or filter device should be placed over the intake of the recycle pump(s) to prevent clogging.

2.0 TYPE I WASTEWATER MANAGEMENT SYSTEM

The Type I system at the Tampa Terminal RMC plant consists of one large drainage area which sheet flows into one sediment trap and then into the Type I pond. The Type I pond is designed to discharge into a concrete discharged structure located in the southwestern portion of the pond during periods of high rainfall. Flow into the discharge structure enters an underground concrete culvert which discharges into the Port Authority's ditch that divides the Titan Tampa Terminal property. Water entering the Port Authority's ditch has the potential to be discharged into Tampa Bay. Type I system recovery is typically accomplished via percolation to ground.

1. The permittee is required to provide for periodic inspection of the Type I wastewater system to ensure that the system is functioning as designed and permitted.

2. Operational maintenance activities shall be performed on all permitted systems on a regular basis.

The BMP shall be amended whenever there is a material change in the facility or significant change in the operation of the facility which can potentially increase the discharge of pollutants. The BMP shall be amended if the plan content proves to be ineffective in preventing the release of reportable amounts of regulated pollutants to waters of the state.

II. STORM WATER POLLUTION PREVENTION ELEMENT

1.0 INTRODUCTION

1.1 PURPOSE

This Storm Water Pollution Prevention (SWPP) element has been prepared to satisfy the second condition of the WSMP for the Titan Tampa Terminal RMC plant. The SWPP element is designed to meet the requirements of the Generic Permit (GP) for Concrete Batch Plants. Its purpose is to identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility and to assure compliance with the terms and conditions of the GP.

The principal objectives of this SWPP are to:

1. Evaluate potential sources of pollution to waters of the state.
2. Describe current industrial wastewater/storm water management and pollution prevention practices to control plant site runoff, spillage or leaks and runoff from raw material storage areas and concrete waste disposal areas.
3. Identify potential storm water/industrial wastewater discharge points.
4. Provide recommendations for changes to existing storm water/industrial wastewater management practices to reduce off site industrial wastewater/storm water pollution.

According to the requirements of Appendix B of the Generic Permit, this SWPP is to be kept at the facility and available for review by Florida Department of Environmental Protection personnel. Additionally, the plant will amend the SWPP within 90 days whenever there is a material change in facility design, construction, operation or maintenance that could significantly impact the quality of industrial wastewater/storm water discharged from the facility. The SWPP would likewise be amended within 90 days if it determined to be ineffective at controlling industrial wastewater/storm water discharges.

1.2 FACILITY LOCATION AND DESCRIPTION

The Titan-Tampa Terminal RMC plant (the Plant) is located at 4219 Maritime Boulevard in Tampa, Florida. The facility produces ready-mix concrete and may conduct limited vehicle maintenance and repair of mixer trucks.

2.0 POLLUTION PREVENTION TEAM

A Pollution Prevention Team (Team) has been established to oversee implementation, maintenance, and revisions of the SWPP. The Team will meet bi-annually to review and evaluate the effectiveness of the plan and discuss revisions. In the event of a spill, the Team will meet to review root causes and appropriate corrective actions to prevent a reoccurrence.

The Team will consist of, at a minimum, the Regional Operations Manager and/or Operations Supervisor, Plant Operator/Supervisor and Environmental Manager and/or Environmental Engineer.

Table 2-1 outlines the Team members and their respective responsibilities. The biannual Team meeting agenda of topics will include but not necessarily be limited to the following:

1. Spills and leaks.
2. Problems with industrial wastewater/storm water management devices, e.g., roof drains, inlets, sediment traps, swales.
3. Problems with any other inspection items.
4. Completed or planned modifications.
5. Future operational changes that may affect industrial wastewater and storm water.
6. Regulatory changes that may affect the SWPP.
7. Procedural concerns, e.g. inspections, equipment operation.
8. Review of changes to SWPP made since the last meeting.

TABLE 2-1 POLLUTION PREVENTION TEAM

TITLE	RESPONSIBILITY	NAME	CONTACT
Environmental Director	Provides Environmental and Regulatory Compliance direction, management, and oversight for Florida Facilities and Operations	Shelby Olsen	(954) 425-4295
Environmental Manager /or Env. Engineer	Provide technical direction and assistance for plan development & implementation Perform comprehensive inspections Compile required regulatory reports.	Tracy Hayden	(239) 462-1757
Operations Manager	Coordinate dispatch operations & Logistics, Implementation / support of company Environmental Program.	Taylor Humbarger	(904) 423-9746
Operations Supervisor	Supervise and direct production crews, ensure all environmental and regulatory issues are properly adhered to by personnel	Joe Parrino	(904) 929-6169
Plant Supervisor	Plan implementation and maintenance Coordinate employee training Manage SWPP records: spills, corrective actions.	Alex Boileau	(813) 785-4755

3.0 POTENTIAL SOURCES OF INDUSTRIAL WASTEWATER/STORM WATER CONTAMINATION

3.1 DRAINAGE

Storm water and Type I industrial wastewater generated from the industrial areas of the plant, including the concrete production area, mixer truck loading area, vehicle maintenance area, vehicle wash rack and fueling area follows natural and graded topography, flowing via sheetflow across paved and other surfaces to a sediment trap which overflow into the Type I pond shown in **Figure 1.**

3.2 POTENTIAL STORM WATER POLLUTANT SOURCES

Potential industrial wastewater and storm water pollutant sources associated with the concrete batch plant are restricted to those areas where concrete is manufactured and loaded into mixer trucks, where petroleum products or significant materials are stored outside. Aboveground Storage Tanks (ASTs) are used to store admixture chemicals and diesel fuel. The locations of these AST's are shown in **Figure 1.**

The most probable times that the pollutants associated with these materials could enter the storm water conveyances are during loading/unloading operations, during a storm event or during the manufacturing of concrete. A complete listing of pollutant identification by risk area is included in **Table 3-1.**

Type I industrial wastewater is generated at the Plant during the manufacturing of concrete, the wetting of aggregate, and at the wash rack by exterior truck wash down prior to vehicles leaving the site. These areas are depicted in **Figure 1.**

Table 3-1 Possible Pollutants Present in Storm Water Discharge

Risk Area	Oil& Grease	Biological Oxygen Demand Substances (BODs)	Chemical Oxygen Demand Substances (CODs)	Total Suspended Solids (TSS)	Total Kjeldahl Nitrogen	Nitrate-Nitrite Nitrogen	pH> acceptable range
Diesel AST	X						X
Type II Washout Area				X			X
Admix Storage			X	X			X
Bulk Oil	X						
Hydraulic Oil	X						
Vehicle Washing			X	X			X
Outside Storage	X		X	X			
Loading/Unloading	X		X	X			X

3.2.1 Aboveground Storage Tanks

The Plant stores diesel fuel in two 500-gallon double walled AST located east of the office (see **Figure 1).** The tanks are compliant with applicable regulations.

3.2.2. Admixture Storage

Admixtures at the Plant are stored in several AST's immediately west of the batching operation as shown in **Figure 1.** The ASTs are constructed of a high impact resistant plastic and based on the types of chemicals they contain, secondary containment is deemed unnecessary.

3.2.3 Outside Storage of Significant Materials

Outside storage of significant materials includes returned concrete, 55-gallon drums, parts washers, and stone aggregate. Aggregate storage piles are continuously wetted with water from process water system and/or retention pond to keep the product from drying out.

3.2.4 Indoor Storage and Handling of Chemicals

Indoor storage and handling of chemicals is not expected to affect the quality of storm water discharge off site.

3.2.5 Vehicle Washing

Vehicle washing is conducted in the designated truck wash area. Trucks are hosed down with water following receiving a load of concrete. Washing of truck undercarriages is prohibited.

3.3 SPILL HISTORY AND LOCATION

There have been no significant spills of toxic or hazardous pollutants at the Plant in the five years prior to the effective date of this Plan. The Plant has no other recorded spills of toxic or hazardous pollutants. Should any reportable spill occur during the period in which this SWPP is in place, the Plan will be amended to include the occurrence.

3.4 RISK EVALUATION OF POTENTIAL SOURCES

Due to the structural controls, i.e., swales, sediment trap, berms, etc., and good housekeeping **(Section 4.1),** inside and outside of the Plant storage areas, the spill risk is considered low. **Table 3-1** lists the risk areas and the potential pollutant parameters that could be present in storm water discharge.

The overall evaluation of material handling practices and structural controls, as well as the facility spill history suggest a low incidence of occurrence of pollutants entering the storm water discharge.

4.0 INDUSTRIAL WASTERWATER/STORM WATER MANAGEMENT CONTROLS

4.1 GOOD HOUSEKEEPING PRACTICES

Titan realizes that good housekeeping measures are important in preventing storm water contamination. The Plant shall implement practices that will minimize the discharge of spilled cement, aggregate, settled dust and other significant materials in storm water. The following is a list of good housekeeping measures that are to be followed:

1. If a spill occurs, dry cleanup will be performed prior to site wash down.
2. Paved areas in the facility will be swept or washed clean as needed.
3. Lime rock areas shall be graded to prevent sediment transport.
4. Soil wetting should be utilized to prevent air borne soil transport.
5. The sodded areas of the Plant should be maintained to prevent erosion.

The truck washing area is currently located in the Type I wastewater treatment area at the slump racks. The outside of the trucks is washed using a biodegradable cleaner subsequent to loading to prevent concrete from hardening to truck body surfaces. Drivers are instructed to use only the necessary amount of water to rinse the outside of the truck to reduce the amount of Type I wastewater.

4.2 STRUCTURAL CONTROLS

This section describes structural controls in place at the Plant.

4.2.1 Type I Wastewater Area

The facility has been constructed so that Type I wastewater will not be discharged off-site before being treated. This is accomplished by using the slope of the paved areas and grading the unpaved areas if any to convey the wastewater to swales, berms, and sediment traps. The wastewater is then conveyed to the Type I pond where any residual sediment that was not removed by the sediment trap is allowed to settle out.

4.2.2. Washout Area - Type II Wastewater

Type II system is designed in such manner that there is no discharge from the wastewater containment system except following a rainfall exceeding a 25-year, 24-hour storm event.

4.3 PREVENTIVE MAINTENANCE

The Plant has developed a Preventive Maintenance (PM) program to ensure that the equipment, valves, and hoses are kept in well maintained condition. The PM program includes the inspection and maintenance of plant equipment and systems and the industrial wastewater and storm water systems. The purpose of the PM is for early detection and corrective actions to prevent system breakdown or failure.

The elements of the PM program include the following:

1. Identification of equipment or systems to which the PM program should apply.
2. Periodic inspections of identified equipment systems.
3. Periodic testing (as appropriate) of such equipment and systems.
4. Appropriate adjustment, repair or replacement of equipment parts.
5. Management of complete PM records.

4.4 INSPECTION PROGRAM

Site inspections shall be conducted to ensure compliance with the WSMP. The results of the facility inspections shall be written to include the date of the inspection and person(s) who performed the inspection. The inspection program for the WSMP includes weekly inspections and an annual comprehensive evaluation as described below:

1. Visual Inspections

Regular inspections are necessary for the Plant to properly assess the effectiveness of the WSMP. Weekly inspections shall be conducted on the equipment and Plant areas identified in **Section 3.0** of the WSMP which are identified as having the potential for releases of pollutants.

The inspection program shall include material storage and handling areas, loading, and unloading areas, outdoor production areas, truck wash down and equipment clean up areas and wastewater and storm water management systems.

If any inspections reveal potential malfunctions, spill(s) or contamination problems, a corrective action plan will be developed and implemented. If needed, a timeline will be included in the corrective action plan for longer-term problems. The Pollution Prevention Team will oversee that the corrective action plan is followed to completion.

Weekly inspections shall be documented showing the inspection date and results of each inspection. A sample inspection form is included as **Attachment A.**

The Plant Operator/Supervisor has the overall responsibility for ensuring that the inspection program is implemented.

2. Annual Comprehensive Site Review

A Plant Pollution Prevention Team member shall conduct an annual comprehensive site compliance review to assess compliance with the WSMP. The annual comprehensive site review is designed to evaluate whether the BMP and SWPP are adequate and properly implemented or whether modifications are needed.

4.5 SPILL PREVENTION AND RESPONSE

Based on the facility evaluation, the following Plant areas have been identified as having potential spill risks:

Vehicle wash area
Loading/unloading areas
Chemical storage areas
Aboveground Fuel Storage Tank(s)

As part of the SWPP, the Plant shall develop a Spill Prevention and Response Program (SPRP). The SPRP will include employee training on how to mitigate and respond to spills. Appropriate spill containment and cleanup materials will be placed in the spill risk areas previously identified in Table 3-1.

In the event of a spill, the notification procedure outlined in **Table 4-1,** below, shall be followed:

Table 4-1 Spill Release Notification Procedure

1. Employees witnessing/discovering a spill shall immediately contact the Plant Operator/Supervisor by giving the location, nature, and extent of the spill.

2. The Plant Supervisor shall assess the necessary actions to take; contact the Environmental Manager or Environmental Engineer, and make the necessary regulatory agency notifications, as needed.

THE FOLLOWING EMERGENCY CONTACT NUMBERS SHALL BE POSTED IN THE SPILL RISK AREAS:

On Site Spill Response Coordinator:	813-785-4755	Plant Operator/Supervisor
Off Site Spill Response Coordinator:	239-462-1757	Environmental Manager
Police/Fire:	911	
Emergency Medical Services:	911	
USEPA 24-Hr. Hotline	(404) 347-4062	
FDEP Emergency Response	(800) 320-0519	
Safety Kleen	(888) 375-5336	Emergency Response Contractor

4.6. TRAINING PROGRAM

4.6.1 Employee Training

Employees in the following areas will receive training in industrial wastewater and storm water pollution prevention:

1. Plant Management
2. Maintenance Department
3. Drivers

Training will be conducted annually. New Hire employees will receive on-the-job training consisting of spill prevention and response; material handling and storage; and good housekeeping practices. A sample training sign-in sheet is included as **Attachment B.**

Additional job-specific training will be performed as needed.

4.6.2 Contractor/Vendor Training

Contractors and vendors delivering significant materials to the Plant will be made aware of the WSMP.

5.0 CERTIFICATION

5.1 TITAN FLORIDA, LLC., TAMPA TERMINAL RMC PLANT CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and/or imprisonment.

NAME: Tracy Hayden

TITLE: Titan - Environmental Manager

SIGNATURE: 

DATE: 7/2/2024

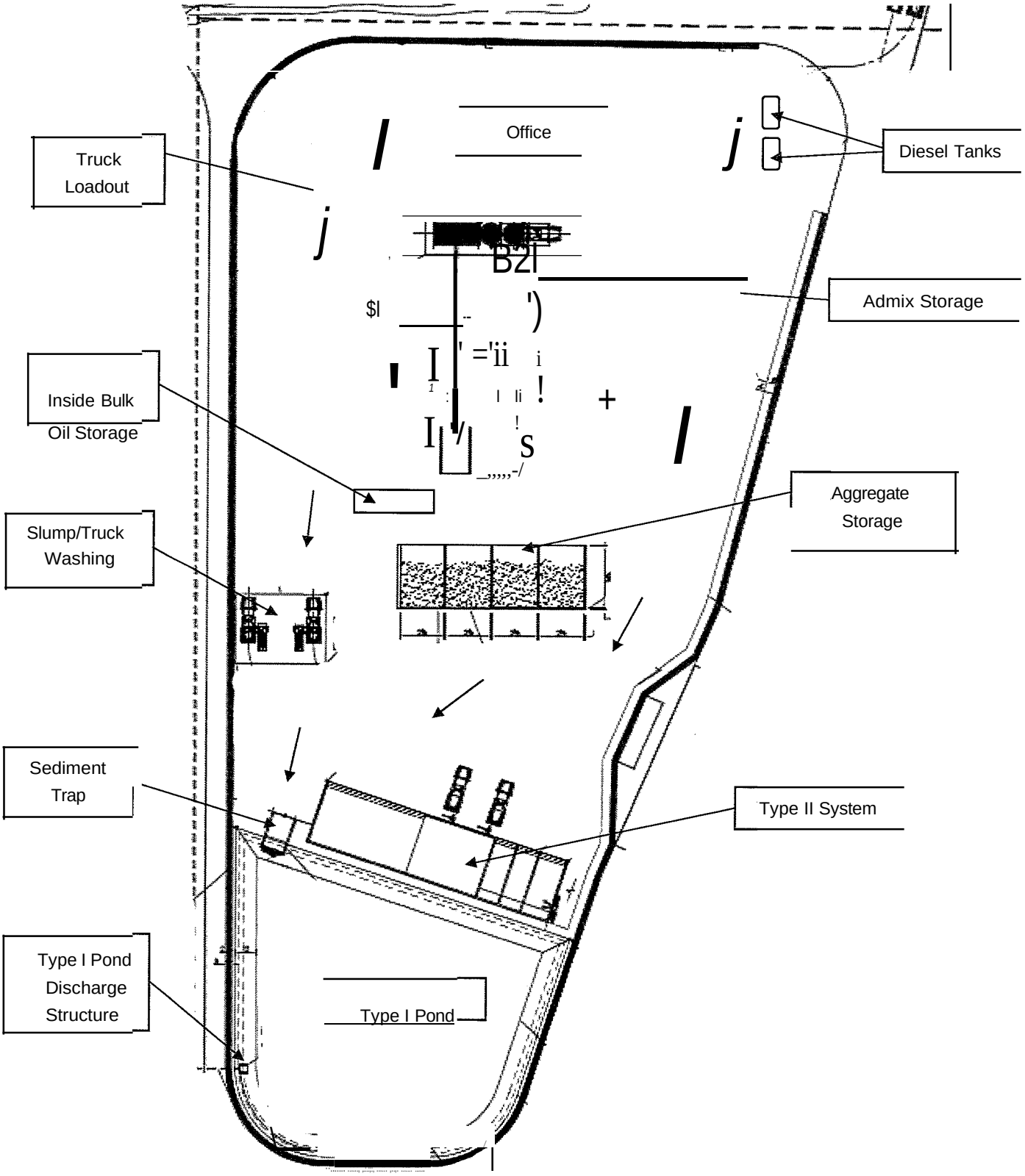
This Certification will be signed by the Plant Operator/Supervisor or a duly authorized representative. If an authorized representative is appointed, the authorization will be put in writing by the responsible signatory. Any changes in the authorization appointment will be made in writing and submitted to the permitting authority.

Signature:  Date: 7/2/24

Joe Parrino

FIGURE 1

WSMP SITE PLAN



TITAN-TAMPA TERMINAL RMC PLANT

WSMP SITE PLAN

ATTACHMENT A

SAMPLE WSMP
INSPECTION FORM

Titan/Ready Mix Facility
Generic Storm water and Wastewater Management Plan Checklist

Note: This checklist should be completed weekly and kept on file for the duration of the permit.

Check if condition applies. If not, write "no" in place provided. Any "no" answer must be explained in the area provided at the bottom of the form. Include information on 1) Why that the item is out of compliance; 2) What will be done to correct the condition; 3) Who is responsible for completing the corrective action, and 4) When will the condition be corrected.

Type I **System:**

_ Sediment trap(s) relatively clean of material	_ Pond bottom(s) free of excessive sedimentation
_ Pond(s) banks and swales free of excessive vegetation and debris	_ Discharge structure(s) and drawdown device unobstructed by excessive vegetation and debris

Type II **System:**

_ Type II 1st cell is free of excessive solids	All other cells free of excessive material
_ Adequate storage room solids	_ Water levels in recycle pit not excessively high
_ **All** pumps, hoses & lines are operational (Includes drum washout & aggregate spray systems if applicable)	

Storm Water Pollution Prevention:

Yard free of excessive dust & oil leaks	_ Silos not dusting
_ Admixture chemical tanks/systems leak free	_Motor/Hydraulic/Used oil tanks leak free
_ Diesel tank containment relatively clean	_ Spill response materials supply adequate
_ Air compressor(s) free of oil leaks	_ Vehicle washing chemicals secure
_ No oil sheens observed on ponds/swales	(Reserved for use by Plant Supervisor)

Inspection Comments/Observations:

Inspected By _____ Inspection Date_____
Signature

ATTACHMENT B

SAMPLE WSMP
TRAINING SIGN-IN
SHEET

TRAINING ATTENDEE SIGN-IN SHEET

Type of Training: Drier WSMP/BMP/Spill Training
Date Conducted:_____ Facility Name: _____

Print Name	Signature
Alex Boileau	
Herb Cephas	
Ron Niles	
Adrian Casas	
Yasmany H	
Rolando Leon	
Gustavo Oria	
Herb Cephas	
Josh Williams	
Oma Baez	
Karlos Mcclary	
William Anderson	