

RESOLUTION NO. 2020- 478

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS, PROVISIONS, CONDITIONS, AND REQUIREMENTS OF A MATERIAL REMOVAL AGREEMENT BETWEEN ST. JOHNS COUNTY AND THE FLORIDA INLAND NAVIGATION DISTRICT, FOR THE PROVISION OF OBTAINING BEACH QUALITY SAND; AND AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO EXECUTE THE AGREEMENT ON BEHALF OF ST. JOHNS COUNTY.

RECITALS

WHEREAS, St. Johns County, Florida (County) desires to enter into a Material Removal Agreement with the Florida Inland Navigation District (FIND), in order for FIND to make available to the County beach quality sand from FIND's Site FL-3 for a berm restoration project along Summer Haven beach (hereinafter the "Project"); and

WHEREAS, FIND is willing to participate in the Project because of the benefit to FIND and the Atlantic Intracoastal Waterway, subject to terms and provisions in the Material Removal Agreement; and

WHEREAS, the County has reviewed the terms, provisions, conditions, and requirements of the Material Removal Agreement, attached hereto and incorporated herein; and

WHEREAS, the County has determined that accepting the terms of the Material Removal Agreement and entering into said agreement will serve the interests of the County.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AS FOLLOWS:


Section 1. The above Recitals are hereby incorporated into the body of this Resolution and adopted as Findings of Fact.

Section 2. The Board of County Commissioners hereby approves the terms, provisions, conditions, and requirements of the Material Removal Agreement between St. Johns County and the Florida Inland Navigation District, and authorizes the County Administrator, or designee, to execute the agreement on behalf of St. Johns County in substantially the same form and format as attached.

Section 3. To the extent that there are typographical and/or administrative errors and/or omissions that do not change the tone, tenor, or context of this Resolution, then this Resolution may be revised without subsequent approval of the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida,
this 1 day of, December 2020.

BOARD OF COUNTY COMMISSIONERS OF
ST. JOHNS COUNTY, FLORIDA

By: 
Henry Dean, Vice Chairman

ATTEST: Brandon J. Patty, Clerk of the Circuit Court
and Comptroller

By: 
Deputy Clerk

RENDITION DATE 12/3/20



FIND MATERIAL REMOVAL AGREEMENT

THIS MATERIAL REMOVAL AGREEMENT ("Agreement") dated as of this 19th day of October, 2020 by and between FLORIDA INLAND NAVIGATION DISTRICT, an independent special taxing district of the State of Florida, hereinafter referred to as "DISTRICT," and ST. JOHNS COUNTY, FLORIDA a political subdivision of the State of Florida, hereinafter referred to as "COUNTY."

RECITALS

- A. DISTRICT is the owner of a parcel of land located in Flagler County, Florida and known as "Dredge Material Management Area DMMA FL-3," as more particularly described in Exhibit "A" attached hereto and made a part hereof by reference ("DMMA FL-3").
- B. COUNTY is a political subdivision of the State of Florida.
- C. COUNTY desires to obtain fill material from DMMA FL-3 for beach renourishment purposes (the "Project"), more particularly described in Exhibit "B".
- D. COUNTY has requested the DISTRICT to allow the COUNTY to remove spoil material from DMMA FL-3 for use in the Project.
- E. DISTRICT has determined that it will benefit the DISTRICT to allow the COUNTY to remove spoil material from DMMA FL-3, as this will help create additional capacity for future dredging events in connection with the maintenance and improvement of the Intracoastal Waterway.
- F. DISTRICT is willing to allow COUNTY to remove suitable spoil material for use in the Project, upon the terms and conditions of this Agreement.

WITNESSETH

Therefore, in consideration of the terms below, the sufficiency of which is mutually acknowledged, DISTRICT and COUNTY agree that:

1. INCORPORATION OF RECITALS

The foregoing recitals are true, correct and incorporated herein by reference.

2. CONSENT TO REMOVAL OF SPOIL MATERIAL

DISTRICT hereby consents to the removal of up to 49,000 cubic yards of spoil material from DMMA FL-3 exclusively for use in the Project. The DISTRICT's consent will expire on the 30th day of June, 2021 unless a further extension is approved by the DISTRICT. Prior to the removal of any spoil material from DMMA FL-3, the COUNTY shall submit a detailed spoil material removal plan ("Plan") to the DISTRICT for approval by the DISTRICT's Engineer. The Plan shall insure, among other things, that the integrity of the dikes, weirs, storm water management system, monitoring wells, fences, gates, roadways and other facilities are not compromised. The COUNTY and its contractors shall comply with the Plan at all times.

FIND MATERIAL REMOVAL AGREEMENT

3. PAYMENT

- a) COUNTY shall pay DISTRICT a removal fee in the amount of \$0.20 per cubic yard of material removed. The COUNTY acknowledges that any removed material shall only be utilized for beach renourishment. Not later than five (5) working days after the end of each calendar month, the COUNTY shall deliver to the DISTRICT a certified tally sheet of the volume of spoil material removed from DMMA FL-3 for the preceding month, in order to calculate the applicable fee.
- b) COUNTY shall make any and all payments due hereunder to DISTRICT at that address set forth as follows unless otherwise notified by DISTRICT in writing:

FLORIDA INLAND NAVIGATION DISTRICT
ATTN: EXECUTIVE DIRECTOR
1314 MARCINSKI ROAD
JUPITER, FL 33477-9427

- c) COUNTY shall pay such fees and other charges without demand and without setoff as required to be paid by COUNTY under this Agreement. If such fees or charges are not paid at the time provided in this Agreement, they shall bear interest from the due date thereof to the date of payment at the rate of eighteen percent (18%) per annum or such lesser rate as shall be the maximum permitted by law.

4. USE OF PREMISES/CONDUCT OF BUSINESS

- a) COUNTY and its authorized contractor shall occupy and use DMMA FL-3 solely for the removal of suitable spoil material for use in the Project (hereinafter the "Permitted Use"). COUNTY shall not use DMMA FL-3 or construct other improvements thereupon except as specifically provided above without DISTRICT's prior written consent.
- b) COUNTY and its authorized contractor shall, at COUNTY's expense, comply with all laws, ordinances and regulations of the United States, State of Florida and the County of Flagler, including, without limitation, all applicable permits and conditions thereof, pertaining to the use and occupancy of DMMA FL-3, and shall not make any use of DMMA FL-3 which shall unreasonably disturb DISTRICT's neighbors or otherwise become a nuisance.

5. COUNTY'S FIXTURES AND ALTERATIONS

- a) COUNTY agrees that it will not make any alterations (whether structural or otherwise), improvements or additions to DMMA FL-3, without first obtaining the written consent

FIND MATERIAL REMOVAL AGREEMENT

of DISTRICT. At the DISTRICT's option, all alterations, improvements and additions made by COUNTY and all chattels affixed by COUNTY to DMMA FL-3 shall remain upon the premises at the expiration or earlier termination of this Agreement, and shall become the property of DISTRICT, except as otherwise provided herein.

- b) In addition to the above, COUNTY shall also procure from the appropriate governmental agencies all necessary permits and authorizations before proceeding with any alteration, repair or improvement, and shall at all times comply with such permits and all conditions thereof, all at COUNTY's expense.

6. ASSIGNMENT

- a) COUNTY shall not voluntarily, involuntarily, or by operation of law, assign, transfer, mortgage or otherwise encumber (herein collectively referred to as an "assignment") this Agreement or any interest of COUNTY herein, in whole or in part, nor permit DMMA FL-3 or any part thereof to be used or occupied by others, without the prior written consent of DISTRICT in each and every instance, which may be unreasonably and arbitrarily withheld. The consent of DISTRICT to any assignment shall not constitute a waiver of the necessity for such consent to any subsequent assignment. If this Agreement or any interest of COUNTY herein be assigned or if the whole or any part of DMMA FL-3 be used or occupied by others after having obtained DISTRICT's prior written consent thereto, COUNTY shall nevertheless remain fully liable for the full performance of all obligations under this Agreement to be performed by COUNTY and COUNTY shall not be released therefrom in any manner.
- b) Should COUNTY, in violation of the provisions of this Paragraph, assign this Agreement, or allow DMMA FL-3 to be used or occupied by others without obtaining DISTRICT's prior written consent, then such assignment or occupancy shall be null and void and of no force and effect. Such act on the part of COUNTY shall be deemed a default of COUNTY entitling DISTRICT to exercise any of the rights and remedies therefor as set forth in Paragraph 13 hereof.

7. LIENS

- a) Mechanics' or Materialmen's Liens: COUNTY shall not cause any liens of mechanics, laborers or materialmen to stand against DMMA FL-3 for any labor or material furnished or claimed to have been furnished to COUNTY in connection with any work of any character performed or claimed to have been performed on or in connection with DMMA FL-3, by or at the direction of COUNTY.
- b) If DMMA FL-3 or any part thereof becomes subject to any suppliers, vendors, mechanics, laborers, materialmen's or other lien, encumbrance or charge (collectively hereinafter

FIND MATERIAL REMOVAL AGREEMENT

called a "lien"), other than a lien caused by the actions of the DISTRICT, COUNTY shall immediately notify DISTRICT of the filing or the threatened filing of any such lien, shall immediately cause the lien to be transferred to other security, and shall from time to time notify DISTRICT of the status of such contest.

- c) DISTRICT's Liability for COUNTY's Liens: It is hereby agreed by the parties hereto that DISTRICT will not be liable for any labor, services or materials furnished or to be furnished COUNTY or to anyone occupying DMMA FL-3, or any part thereof, through or under COUNTY, and that no liens for any labor or material shall attach to or affect the interest of DISTRICT in and to DMMA FL-3. All contracts for construction or repair shall contain the above cautionary language and shall require all subcontractors, materialmen and laborers to be so advised. Failure of COUNTY to so notify and advise such potential lienors in writing prior to the commencement of any work to be performed shall constitute a default hereunder and entitle DISTRICT to those rights and remedies set forth in Paragraph 13 hereof.

8. LIABILITY OF DISTRICT/WAIVER/INDEMNIFICATION

- a. As a consideration for the making of this Agreement and in light of the fact that COUNTY has had the opportunity to make such inspections and tests as COUNTY, in COUNTYs' judgment, has deemed necessary, COUNTY accepts DMMA FL-3 in its "As-Is Condition" and DISTRICT shall not be liable for any condition, latent or patent, existing in, on or under DMMA FL-3, nor for injury or damage which may be sustained to person or property of COUNTY or any other person caused by or resulting from water, rain, groundwater, soil, sand, silt or any other material which may leak or flow from or into any part of DMMA FL-3, from noise, vibration, smoke or odors emanating from DMMA FL- 3, or from any other source or cause whatsoever, nor the interference with light or incorporeal hereditaments, specifically excluding from such waiver such damage or injury which results from the negligence of DISTRICT, nor shall DISTRICT be liable for any defect in DMMA FL-3, latent or otherwise, except as provided by law. Without limiting the generality of the foregoing, COUNTY acknowledges and agrees that COUNTY has conducted its own samples and tests of the spoil material within DMMA FL-3 and has satisfied itself as to the composition, quality, suitability for COUNTY's purposes, and freedom from contaminants, and further, that DISTRICT has not made, nor has COUNTY relied upon, any representations made by DISTRICT or on DISTRICT's behalf.
- b. COUNTY, subject to and within the limitations set forth in Section 768.28, F.S., will indemnify DISTRICT and save DISTRICT harmless from and against any and all claims, actions, damages, liability and expense (including disbursements) in connection with the loss of life, personal injury or damage to property or business arising from, related to, or in connection with the occupancy or use by COUNTY of DMMA FL-3 or occasioned wholly or in part by act or omission of COUNTY, its contractors, subcontractors, licensees, or concessionaires, or its or their respective agents, servants or employees, except to the extent such loss of life, personal injury or damage to property or business is due to or arises out of the negligent or intentional act or omission of the DISTRICT.

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- c. COUNTY shall include in any construction contract for work upon or involving DMMA FL-3 that the contractor shall indemnify and hold harmless the COUNTY and DISTRICT, their officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the contractor and persons employed or utilized by the contractor in the performance of the construction contract.
- d. The provisions of this Paragraph 8 shall survive the termination of this Agreement.

9. INSURANCE:

- a) COUNTY will keep in force, with companies and in a form acceptable to DISTRICT, at COUNTY's expense, during the term of this Agreement and any extension or renewal thereof and during such other time as COUNTY occupies DMMA FL-3 or any part thereof general liability insurance with respect to DMMA FL-3 with a minimum One Million Dollars (\$1,000,000.00) combined single limit coverage of bodily injury, property damage or combination thereof.
- b) COUNTY will further deposit policies of insurance required by the provisions of this Paragraph 9 together with satisfactory evidence of the payment of the required premium or premiums therefor with DISTRICT at or prior to the commencement date, and upon renewals of such policies not less than fifteen (15) days prior to the expiration of the term of such coverage.
- c) All policies of insurance required to be carried by COUNTY by Paragraph 9 (a) hereof shall provide that the policy shall not be subject to cancellation, termination or change except after thirty (30) days prior written notice to DISTRICT and shall name DISTRICT as an additional insured.
- d) All such policies required hereunder shall be obtained from companies licensed, organized and authorized to do business in the State of Florida
- e) The COUNTY's insurance shall be primary insurance as respects the DISTRICT, its Commissioners, officers, employees and agents, and any insurance or self-insurance maintained by the DISTRICT, its Commissioners, officers, employees and agents shall be excess of the COUNTY's insurance and shall not contribute to it.
- f) The policies shall contain a waiver of subrogation against the DISTRICT, its Commissioners, officers, employees and agents for any claims arising out of the work of the COUNTY.
- g) The policy may provide coverage which contains deductible or self-insured retentions of not more than \$50,000 as to COUNTY and no deductible or self-insured retention as to any additional insured without prior approval of the DISTRICT. The COUNTY shall be solely responsible for deductible and/or self-insured retention.

FIND MATERIAL REMOVAL AGREEMENT

10. REPAIRS AND MAINTENANCE OF DMMA FL-3:

- a) COUNTY shall at all times at its sole cost and expense keep and maintain those portions of DMMA FL-3 used in connection with or affected by the Project, in good order, condition and repair and shall not commit or suffer any waste on DMMA FL-3.

11. HAZARDOUS MATERIALS:

COUNTY agrees that, during the term of this Agreement, it:

- a) Shall keep or cause DMMA FL-3 to be kept free of hazardous wastes or substances.
- b) Shall not cause or permit, as a result of any intentional or unintentional act or omission on the part of COUNTY, or COUNTY's assignees, employees, agents or contractors, a release of hazardous wastes or substances onto DMMA FL-3.
- c) Shall comply with and ensure compliance by its assignees, employees, agents or contractors and all others under its direction with all applicable federal, state, and local laws, ordinances, rules, and regulations
- d) The terms "hazardous waste", "hazardous substance", "disposal", "release", and "threatened release", if used in this Agreement, shall have the same meaning as set forth in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. Section 9601, et seq. (CERCLA), the Superfund Amendments and Reauthorization Act of 1986, Pub. L. No. 99-499 ("SARA"), the Hazardous Materials Transportation Act, 49 U.S.C. Section 1801, et seq., the Resource Conservation and recovery Act, 49 U.S.C. Section 6901 et seq., the Florida Resource and Management Act, Chapter 403, Florida Statutes, the Pollution, Spill, Prevention, and Control Act, Chapter 376, Florida Statutes, or any other applicable state or federal laws, rules, or regulations adopted pursuant to any of the foregoing.
- e) Shall immediately provide DISTRICT with notice of any release or threatened release of hazardous waste on or about DMMA FL-3, and shall immediately provide DISTRICT with notice of any injury or action taken by any local, state, or federal governmental body with respect to hazardous waste on or about DMMA FL-3.
- f) Shall remove any hazardous waste or hazardous substances which exceed allowable levels in the ground or the groundwater within DMMA FL-3, arising from COUNTY's use of DMMA FL-3.

12. EVENTS OF DEFAULT

The following shall constitute Events of Default:

- a) If COUNTY defaults in the payment of any sum of money due hereunder and such default shall continue for three (3) days after the date of notice from DISTRICT to COUNTY

FIND MATERIAL REMOVAL AGREEMENT

- b) If COUNTY defaults in fulfilling any of the other covenants of this Agreement on COUNTY's part to be performed hereunder and such default shall continue for the period of seven (7) days after notice from DISTRICT to COUNTY specifying the nature of said default, or, if the default so specified shall be of such a nature that the same cannot be reasonably cured or remedied within said seven (7) day period, if COUNTY shall not in good faith have commenced the curing or remedying of such default within such seven (7) day period and shall not thereafter diligently proceed therewith to completion.

In the Event of Default, DISTRICT shall provide COUNTY with such written notice thereof as shall be required under Florida law.

13. REMEDIES IN EVENT OF DEFAULT

- a) In the event of a default hereunder and such default shall continue after the giving of written notice thereof to COUNTY, DISTRICT may at DISTRICT's option, immediately terminate the Agreement and avail itself of any other option or remedy available under Florida law.
- b) If COUNTY defaults in the performance of any of the terms and conditions of this Agreement and DISTRICT employs the services of an attorney to enforce performance of COUNTY hereunder, COUNTY shall pay a reasonable attorney's fee as well as all expenses and costs incurred by the DISTRICT pertaining thereto and in enforcement of any remedy available to the DISTRICT.

14. MISCELLANEOUS

- a) COUNTY has inspected DMMA FL-3 and is familiar with its present condition and takes DMMA FL-3 in "As-Is" condition
- b) The failure of DISTRICT or COUNTY to take any action against the other for violation of any of the terms of the Agreement shall not prevent a subsequent act of a similar nature from being a violation of the Agreement
- c) This Agreement fully and completely expresses all agreements and understandings of the parties hereto. Furthermore, this Agreement shall be binding upon and shall inure to the benefit of the respective heirs, successors, assigns and legal representatives of the parties hereto and shall not be changed or terminated unless in writing and signed by the parties hereto.
- d) **THE PARTIES HERETO HEREBY WAIVE TRIAL BY JURY IN ANY ACTION, PROCEEDING OR COUNTERCLAIM BROUGHT BY EITHER PARTY AGAINST THE OTHER PERTAINING TO ANY MATTER WHATSOEVER ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR COUNTY'S USE OF DMMA FL-3.**

FIND MATERIAL REMOVAL AGREEMENT

- e) COUNTY hereby acknowledges COUNTY's responsibility to insure COUNTY's property maintained within or upon DMMA FL-3 at COUNTY's expense.
- f) If any term or condition of this Agreement shall, to any extent, be held invalid or unenforceable, the remainder of the terms and conditions of this Agreement shall not be affected thereby, and this Agreement shall be valid and enforceable to the fullest extent permitted by law.
- g) This Agreement shall not be recorded in the Office of the Clerk of any Circuit Court in the State of Florida, except that DISTRICT may file a memorandum of this Agreement.
- h) This Agreement shall be construed under the laws of the State of Florida.
- i) The Section headings of this Agreement are for convenience only and are not to be considered in construing the same.
- j) This Agreement may be executed in counterparts, all of which taken together shall be deemed an original, with a facsimile and/or an e-mail signature serving as an original thereof.
- k) Each party represents and warrants to the other that: (a) it is duly authorized and competent to execute this Agreement (b) it has all necessary power and authority to enter into this Agreement and to perform the agreements contained in this Agreement, and (c) the person signing this Agreement on behalf of such party is authorized to execute and deliver this Agreement on behalf of such party.
- l) The parties participated in the drafting of this Agreement and/or had it reviewed by competent counsel. Accordingly, no presumption shall be given in favor of: or against, any party in interpreting this Agreement and the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Agreement.
- m) **RADON GAS. RADON IS NATURALLY OCCURRING RADIOACTIVE GAS THAT, WHEN IT HAS ACCUMULATED IN A BUILDING IN SUFFICIENT QUANTITIES, MAY PRESENT HEALTH RISKS TO PERSONS WHO ARE EXPOSED TO IT OVER TIME. LEVELS OF RADON THAT EXCEED FEDERAL AND STATE GUIDELINES HAVE BEEN FOUND IN BUILDINGS IN FLORIDA. ADDITIONAL INFORMATION REGARDING RADON AND RADON TESTING MAY BE OBTAINED FROM YOUR COUNTY PUBLIC HEALTH UNIT.**

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IN WITNESS WHEREOF, the parties hereto have set forth their hands and seals on the year and date aforesaid.

FIND MATERIAL REMOVAL AGREEMENT

Signed, sealed and delivered in the presence of:

AS TO DISTRICT:

FLORIDA INLAND NAVIGATIONS DISTRICT:

WITNESS: Janet Zimmerman
PRINT NAME: Janet Zimmerman

DocuSigned by:
Mark Crosley
EXECUTIVE DIRECTOR

DATED: 10/19/2020

WITNESS: Glenn Scambler
PRINT NAME: Glenn Scambler

Approved as to form and legal sufficiency:
Peter L. Breton
Peter L. Breton, Esquire, General Counsel

AS TO COUNTY:

BY: _____

WITNESS: _____
PRINT NAMES: _____

DATED: _____

WITNESS: _____
PRINT NAMES: _____

SUMMER HAVEN DUNE NOURISHMENT

ST. JOHNS COUNTY, FLORIDA

JANUARY 2020



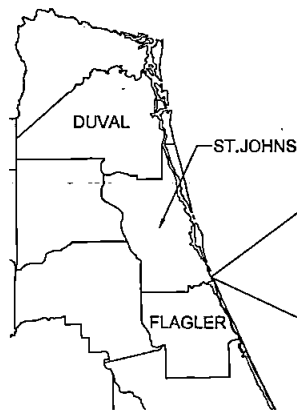
COUNTY COMMISSIONERS:

| | |
|----------------------|------------|
| JAMES K. JOHNS | DISTRICT 1 |
| JEB SMITH | DISTRICT 2 |
| PAUL M. WALDRON | DISTRICT 3 |
| JEREMIAH RAY BLOCKER | DISTRICT 4 |
| HENRY DEAN | DISTRICT 5 |

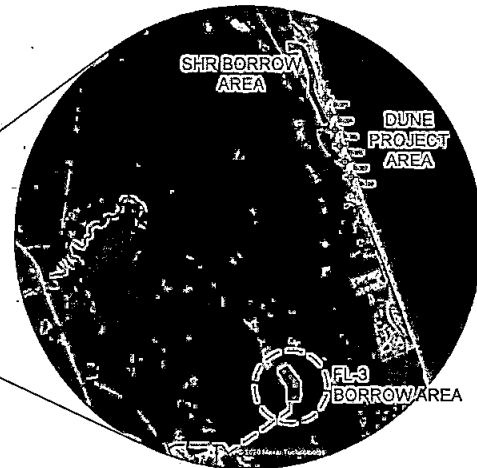
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| 1 | TITLE SHEET & LOCATION MAP |
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| 3 | PROJECT BASELINE & STATIONING |
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| 16 | BORROW SITE 2 - FIND DMMA FL-3 |



- NOTE:**
1. THE CONTRACTOR SHALL ADHERE TO AND ABIDE BY THESE CONSTRUCTION PLANS AND ALL CONTRACT DOCUMENTS INCLUDING THE SPECIFICATIONS AND REGULATORY AUTHORIZATIONS, INCLUDING THE JULY 2019 FEMA ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT (FONSI), SUMMER HAVEN NORTH AND SUMMER HAVEN SOUTH (SECTIONS OF OLD A1A), ST. JOHNS COUNTY, FLORIDA, PUBLIC ASSISTANCE PROGRAM (PA-04-FL-4243-PW-00652 AND PW-00653).
 2. SCALES AS INDICATED REFER TO 22X34 SIZED DRAWING SHEETS.



VICINITY MAP



**FOR BIDDING PURPOSES ONLY
NOT FOR CONSTRUCTION**

LARRY F. MASON
REGISTERED
LSE-001478

| REV | DATE | BY | DESCRIPTION |
|-----|------|----|-------------|
| | | | |
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| | | | |

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|---------|-----|------|-------|
| PROJECT | NO. | DATE | ISSUE |
| | | | |

SUMMER HAVEN DUNE NOURISHMENT
TITLE SHEET & LOCATION MAP
ST. JOHNS COUNTY, FLORIDA

Applied Technology & Management, Inc.
100 S. Orange Blvd.
Suite 407
Orange, FL 32668
Phone: 407.261.3333
Fax: 407.261.3334
Email: info@atmi.com
Certificate of Authorization #6659

ATM
APPLIED TECHNOLOGY & MANAGEMENT, INC.
ENGINEERING & CONSTRUCTION

DRAWING NUMBER
1
SHEET 1 OF 16

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE PLANS AND BOTH THE PROJECT NOTES AND SPECIFICATIONS. MEANS OF IMPLEMENTATION AND PAYMENT SHALL BE AS SPECIFIED BY THE OWNER AND THE CONTRACT.
2. CONTRACTOR SHALL STRICTLY COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS, MEANS, METHODS, AND TECHNOLOGIES OF CONSTRUCTION AND THE RESPONSIBILITY OF THE CONTRACTOR.
3. CONTRACTOR SHALL ADHERE BY ALL APPLICABLE ENVIRONMENTAL PROTECTION LAWS, STANDARDS, AND REGULATIONS. THIS INCLUDES COMPLIANCE TO ALL PERTAINING CODES AND REPORTING REQUIREMENTS.
4. THE CONTRACTOR SHALL INCORPORATE BEST MANAGEMENT PRACTICES TO PREVENT CONSTRUCTION DERRIS, DUST, AND OTHER MATERIALS FROM LEAVING THE IMMEDIATE WORK AREA AND ENTERING LOCAL WATERS. THIS INCLUDES TURBIDITY CONTROLS AND MONITORING FOR WATERSHED WORK AND OTHER LAND-USE/PLANNING ACTIVITIES. TURBIDITY CONTROLS AND MONITORING SHALL BE IN ACCORDANCE WITH PROJECT PERMITS.
5. ADDITIONAL WORK PERFORMED BY OTHER CONTRACTORS MAY BE OCCURRING AT THE PROJECT SITE AT THE SAME TIME AS THE WORK DEFINED IN THESE DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THESE OTHER PROJECT CONTRACTORS AND ELEMENTS WITH THEIR WORK.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING GATE LAY-DOWN AND STORAGE AREAS WITH OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION. NO STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL OCCUR IN ANY LOCATION ON SITE OTHER THAN THE AREA APPROVED BY THE OWNERS REPRESENTATIVE. THE CONTRACTOR SHALL REMOVE ALL SUPPLIES, MATERIALS, SUPPLIES, AND DEBRIS AT THE COMPLETION OF THE PROJECT AND PRIOR TO SUBMITTING THE FINAL APPLICATION FOR PAYMENT.
7. THE CONTRACTOR SHALL REMOVE ANY DEBRIS FROM THE SITE ON A DAILY BASIS. DISPOSAL OF THE MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL REMOVE ALL BARRIERS, WORK BOATS, STAGING EQUIPMENT AND MATERIAL, AND ANY OTHER TEMPORARY MEASURES OR CONSTRUCTION AT THE COMPLETION OF THE PROJECT AND PRIOR TO SUBMITTING THE FINAL APPLICATION FOR PAYMENT. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
9. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE AND NOTIFY THE OWNER AND ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY DISCREPANCY AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
10. ALL SUBSEQUENT DEBRIS AND EXISTING FOUNDATIONS UNCOVERED DURING CONSTRUCTION SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL ELEMENTS OF THE PROJECT IN CONFORMANCE WITH THESE PLANS AND SPECIFICATIONS. IF ANY MODIFICATIONS ARE REQUIRED IN ANY ELEMENT, THE CONTRACTOR SHALL SUBMIT PROPOSED CHANGES TO THE ENGINEER FOR APPROVAL.
12. ANY CHANGE TO STATE, COUNTY, OR LOCAL, BEAVER, OR PUBLIC OR PRIVATE WATERWAY STRUCTURES CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.
13. THE ENGINEER SHALL FIELD-APPROVE CONTRACTORS LAYOUT STAGING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
14. CONTRACTOR SHALL PROVIDE THE FOLLOWING AS PART OF THE BID SUBMITTAL:
 - A PRELIMINARY WORK PLAN TO INCLUDE GENERAL METHODS PROPOSED TO ACHIEVE THE WORK SPECIFIED IN THE SET DRAWINGS AND IN CONFORMANCE WITH THE TECHNICAL SPECIFICATIONS AND ALL PERMITS REQUIREMENTS. THIS PRELIMINARY WORK PLAN SHALL INCLUDE:
 - A GENERAL CONSTRUCTION SCHEDULE
 - IDENTIFICATION AND DISPOSITION OF MATERIALS
 - CLEAN UP PLAN

EQUIPMENT INVENTORY:

1. A DETAILED SCHEDULE OF CONSTRUCTION OPERATIONS SHALL BE SUBMITTED TO THE OWNERS REPRESENTATIVE IMMEDIATELY UPON RECEIVING THE NOTICE TO PROCEED.
2. NOTES SHOWN ON THE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE WRITTEN TECHNICAL SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE DRAWING NOTES.
3. CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND NOTIFY ENGINEER OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLAN, DETAIL, AND SPECIFICATIONS. VERIFY LOCATION AND NOTIFICATION SHALL BE ACCOMPLISHED PRIOR TO FABRICATING OR ORDERING MATERIALS.
10. ALL WORK SHALL BE OF GOOD WORKMANSHIP QUALITY.

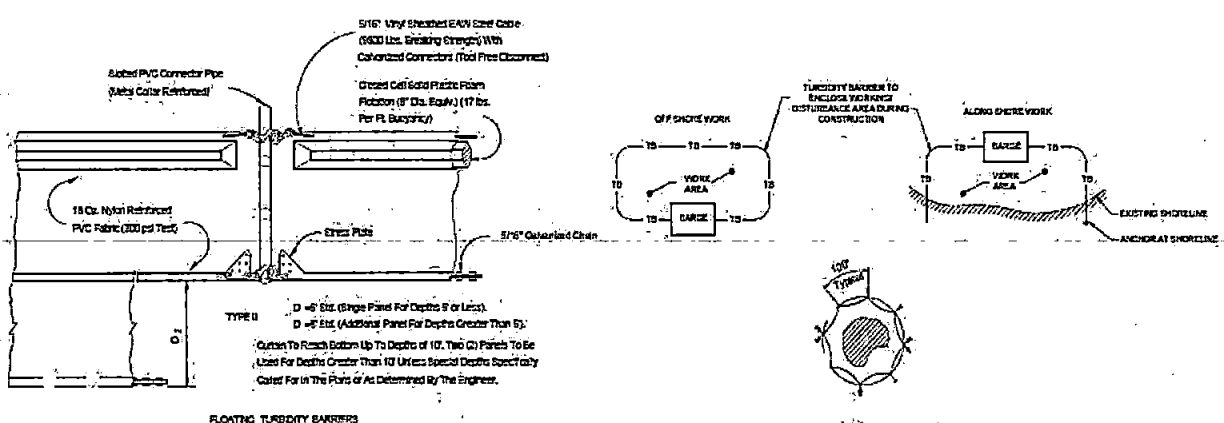
QUANTITIES:

1. QUANTITIES SHOWN ON THESE PLANS ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO CONSTRUCTION.

ABBREVIATIONS:

| | | | | | | | |
|-----------------------------------|--|---|--|--|--------------------|---|---|
| ACI = AMERICAN CONCRETE INSTITUTE | AEC = AMERICAN ELECTRICITY CONSTRUCTION APPROX = APPROXIMATE | ASA = AMERICAN SOCIETY OF TESTING MATERIALS | ASCE = AMERICAN SOCIETY OF CIVIL ENGINEERS | ASTM = AMERICAN SOCIETY OF TESTING MATERIALS | ASPH = ASPHALT | AWWA = AMERICAN WATER WORKS ASSOCIATION | AWWA = AMERICAN WATER WORKS ASSOCIATION |
| BA = BRICK | BC = BRICK CONCRETE | BC = BRICK CONCRETE | BE = BRICK EXPOSED | BE = BRICK EXPOSED | BE = BRICK EXPOSED | BE = BRICK EXPOSED | BE = BRICK EXPOSED |
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TYPICAL TURBIDITY BARRIER INSTALLATION DETAILS AND NOTES



LEGEND

- Pile Location
- ▨ Work Area
- Working Barge in Place
- Anchor

NOTE: ALL SCALES INDICATED PERTAIN TO FULL SIZE DRAWINGS (OTHER)

TURBIDITY BARRIER NOTES:

1. THE CONTRACTOR SHALL TRUCK, INSTALL, AND MAINTAIN TURBIDITY BARRIERS TO PREVENT ANY DEBRIS AND SUSPENDED SOLID MATERIAL FROM ENTERING THE LOCAL WATERS OR PROPAGATING OUTSIDE THE IMMEDIATE WORK AREA. THE CONTRACTOR HAS THE OPTION TO ENCLOSE THE ENTIRE WATERBODY OF THE DISTURBANCE LIMITS OR TO INSTALL AND MOVE THE BARRIER IN PLACE. THE CONTRACTOR SHALL MAINTAIN SUCH BARRIERS AT ALL TIMES IN THE AREAS WHERE WORK IS IN PROGRESS.
2. TURBIDITY BARRIERS SHALL BE TYPE II IN ACCORDANCE WITH STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGN AND REVISION MANUAL (QST 62). TURBIDITY BARRIERS SHALL BE ANCHORED AT MAX 100 FT INTERVALS AND PROVIDE A SLUICY AT EACH ANCHOR LOCATION.
3. DURING CONSTRUCTION, THE CONTRACTOR SHALL MONITOR TURBIDITY LEVELS IF REQUIRED BY THE PERMIT REGULATORY PERMITS TO ENSURE THAT THE LOCAL WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
4. NAVIGATION MAY REQUIRE CLEARING TURBIDITY BARRIERS DURING CONSTRUCTION OPERATIONS.

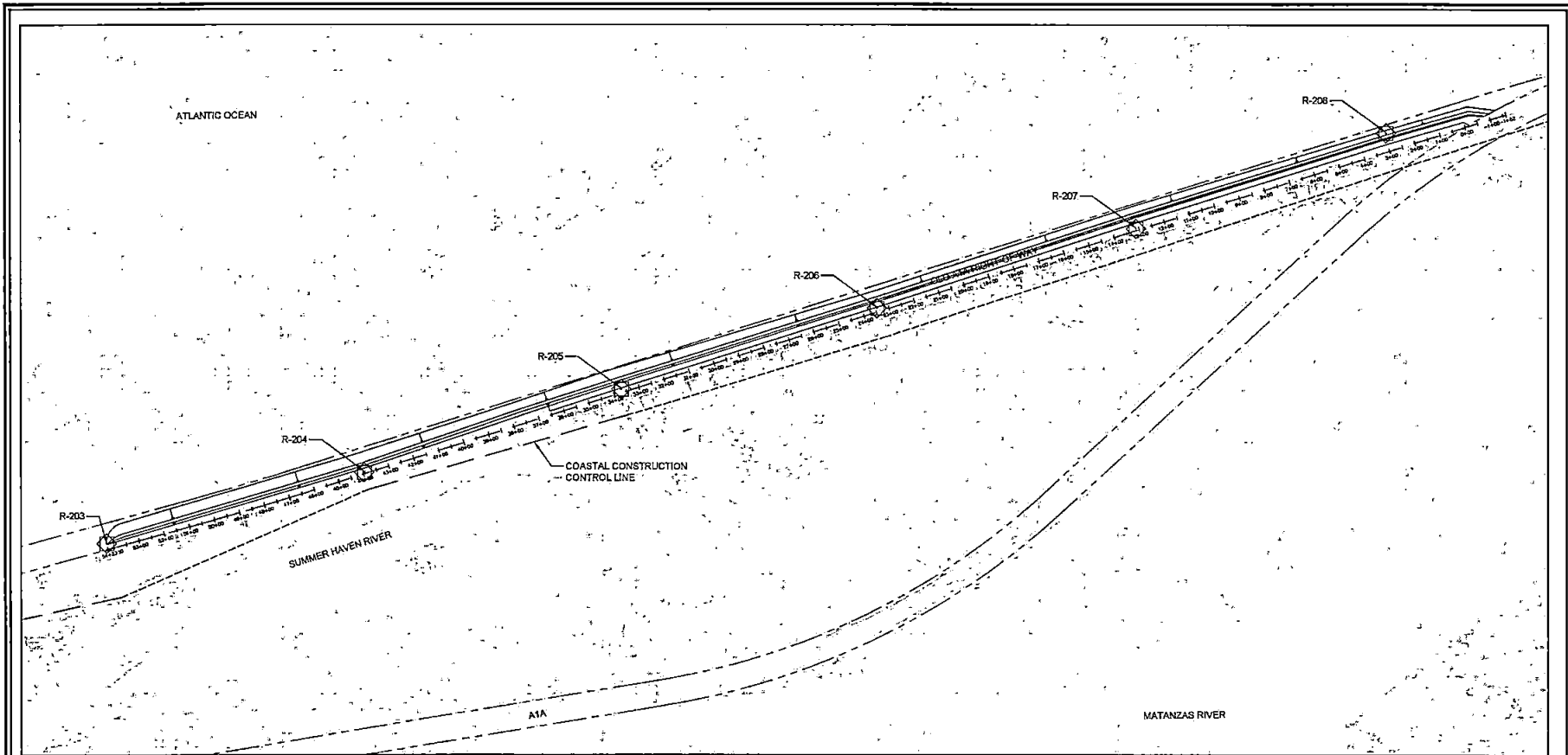
**FOR BIDDING PURPOSES ONLY
NOT FOR CONSTRUCTION**

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GENERAL NOTES

Applied Technology & Management, Inc.
 3000 NE 10th Ave., Suite 100
 Ft. Lauderdale, FL 33304
 (954) 579-1212
 Cattle & Automobile Parts

PROJECT NO. 1000
 SHEET 2 OF 11

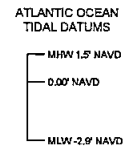


GENERAL SURVEY AND BASELINE NOTES:

1. BASELINE SHOWN LIES ALONG THE WESTERN EDGE OF THE ST. JOHNS COUNTY 100 FT. RIGHT-OF-WAY FOR OLD A1A.
2. RIGHT-OF-WAY BOUNDARY PROVIDED BY ST. JOHNS COUNTY SURVEYING DEPARTMENT.
3. PARCEL BOUNDARIES PROVIDED BY ST. JOHNS COUNTY PROPERTY APPRAISER.
4. CONTRACTOR SHALL VERIFY ALL LOCATIONS AND COORDINATES IN THE FIELD, PRIOR TO CONSTRUCTION.
5. SURVEY INFORMATION IN THE DUNE FILL AREA IS BASED ON A TOPOGRAPHIC SURVEY BY ST. JOHNS COUNTY DATED 12/15/19.
6. BATHYMETRIC AND TOPOGRAPHIC CONTOURS REPRESENT GENERAL CONDITIONS EXISTING ON THE DATE OF SURVEY AS SHOWN HEREON. CONTRACTOR SHALL ANTICIPATE CONDITIONS TO VARY FROM THOSE SHOWN ON THE EXISTING SURVEY AT THE TIME OF CONSTRUCTION.
7. ELEVATIONS IN FEET, NAVD 1988.
8. IF THE CONTRACTOR FINDS A DIFFERENCE BETWEEN THESE DRAWINGS AND EXISTING CONDITIONS, OR OTHER CONDITIONS WHICH PROHIBIT EXECUTION OF THE WORK AS DIRECTED IN THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.
9. CONTRACTOR SHALL CONFIRM THE LOCATIONS OF ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. THESE PLANS DO NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY OR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OPERATION. ANY UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL SURVEY FOR SETTING OUT AND VERIFYING LOCATIONS AND ELEVATIONS OF THE WORK.
11. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY SEALED BY A LICENSED PROFESSIONAL ENGINEER OR SURVEYOR UPON COMPLETION OF THE PROJECT AND PRIOR TO SUBMITTING FINAL APPLICATION FOR PAYMENT. AS-BUILT SURVEY SHALL MEET REQUIREMENTS OF THE PROJECT PERMITS.
12. CONTRACTOR SHALL ESTABLISH VERTICAL AND HORIZONTAL SURVEY CONTROL ACCORDING TO FBEP "MONITORING STANDARDS FOR BEACH EROSION CONTROL PROJECTS (MAY 2014). CONTROL MARKS SHALL BE 2ND ORDER OR HIGHER. VERTICAL CONTROL REFERENCE POINT: DEP BRASS DISK STAMPED "DEP F602 14 F602", N: 1,939,820.71, E: 588,861.91 (NAD83/90) Z: 18.89 (NAVD88).
13. TIDAL DATUMS FOR THE SUMMER HAVEN RIVER MAY VARY FROM THE ATLANTIC OCEAN.

| Control Monument Location | | |
|---------------------------|-----------|------------|
| R-MON | Northing | Easting |
| R-203 | 585283.60 | 1946573.17 |
| R-204 | 586557.22 | 1945584.19 |
| R-205 | 586876.78 | 1944605.49 |
| R-206 | 587187.97 | 1943631.04 |
| R-207 | 587493.79 | 1942645.23 |
| R-208 | 587862.80 | 1941694.21 |

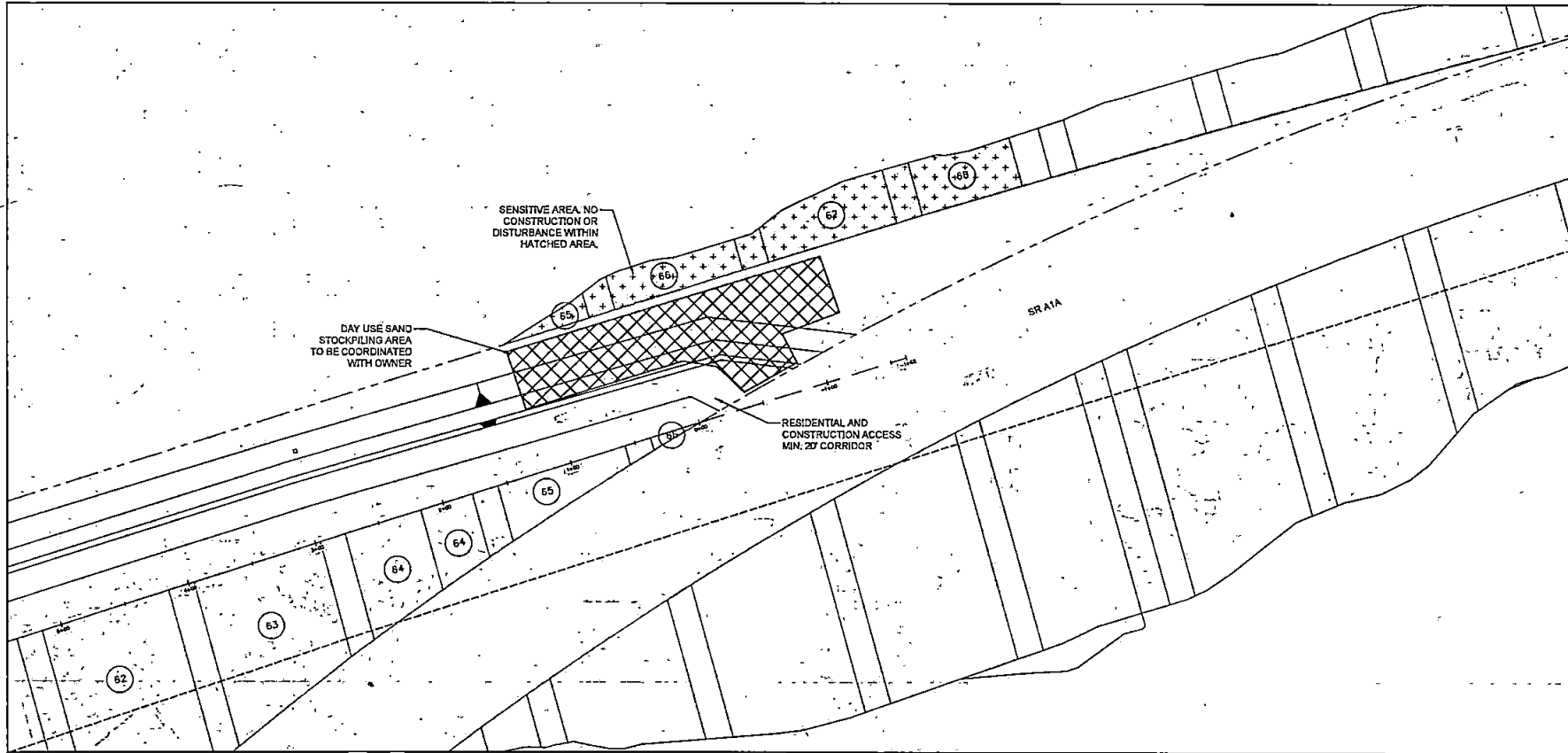
| Baseline Points | | |
|-----------------|-----------|------------|
| Approx. Station | Northing | Easting |
| 0+00 | 587884.55 | 1941393.01 |
| 45+25.75 | 586482.26 | 1945801.14 |
| 50+49.33 | 586361.33 | 1946206.99 |
| 54+23.11 | 586261.18 | 1946567.16 |



NOTE: COORDINATES REFERENCE NAD83 FLORIDA STATE PLANE, EAST ZONE, FEET.

FOR BIDDING PURPOSES ONLY
NOT FOR CONSTRUCTION

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|--|--|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|--|---|------------------------------|
| 60 SUMMER HAVEN RIVER MONUMENT SURVEY CONTROL & BASELINE ST. JOHNS COUNTY, FLORIDA | | | | | | | | | | | | THOMPSON MASON LICENSE # 13825 | |
| | | | | | | | | | | | | DESCRIPTION DATE ISSUED BY CHECKED BY APPROVED BY | DRAWING NO. DATE ISSUE |
| REGION STATE COUNTY PROJECT NO. | | DRAWING NO. DATE ISSUE | | DRAWING NO. DATE ISSUE | | DRAWING NO. DATE ISSUE | | DRAWING NO. DATE ISSUE | | DRAWING NO. DATE ISSUE | | | |
| Applied Technology & Management, Inc. 135 Southpark Blvd. Suite 427 Ft. Myers, FL 33906 (813) 938-6133 Certificate of Authorization #4589 | | | | | | | | | | | | DRAWINGS NUMBER 3 SHEET 3 OF 16 | |



SENSITIVE AREA, NO CONSTRUCTION OR DISTURBANCE WITHIN HATCHED AREA.

DAY USE SAND STOCKPILING AREA TO BE COORDINATED WITH OWNER

RESIDENTIAL AND CONSTRUCTION ACCESS MIN. 20' CORRIDOR

SR A1A

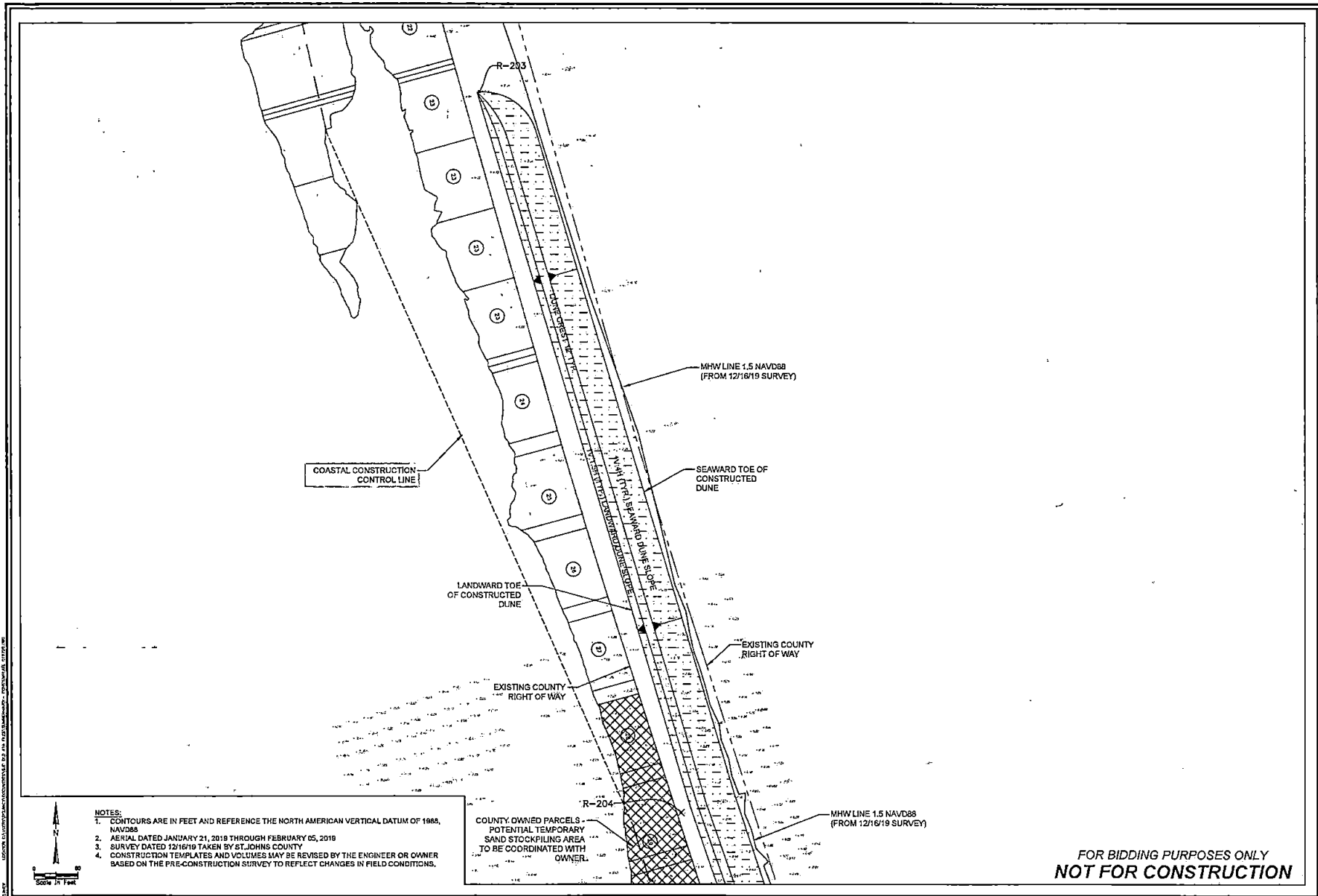
NOTES:

1. STAGING AREAS ARE SUBJECT TO APPROVAL OF THE OWNER AND PERMIT RESTRICTIONS.
2. EXISTING SAND DRIVING PATH WITHIN OLD A1A RIGHT-OF-WAY IS ACTIVELY USED AS RESIDENTIAL ACCESS WAY. CONTRACTOR SHALL MAINTAIN THE EXISTING DRIVING PATH AT A 20 FOOT WIDTH AT ALL TIMES. THE CONTRACTOR SHALL NOT RENDER THE ACCESS PATH IMPASSIBLE ON A LONG TERM BASIS WITH THE PLACEMENT OF FILL OR EQUIPMENT. DAMAGE TO THE DRIVING ACCESS SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER.



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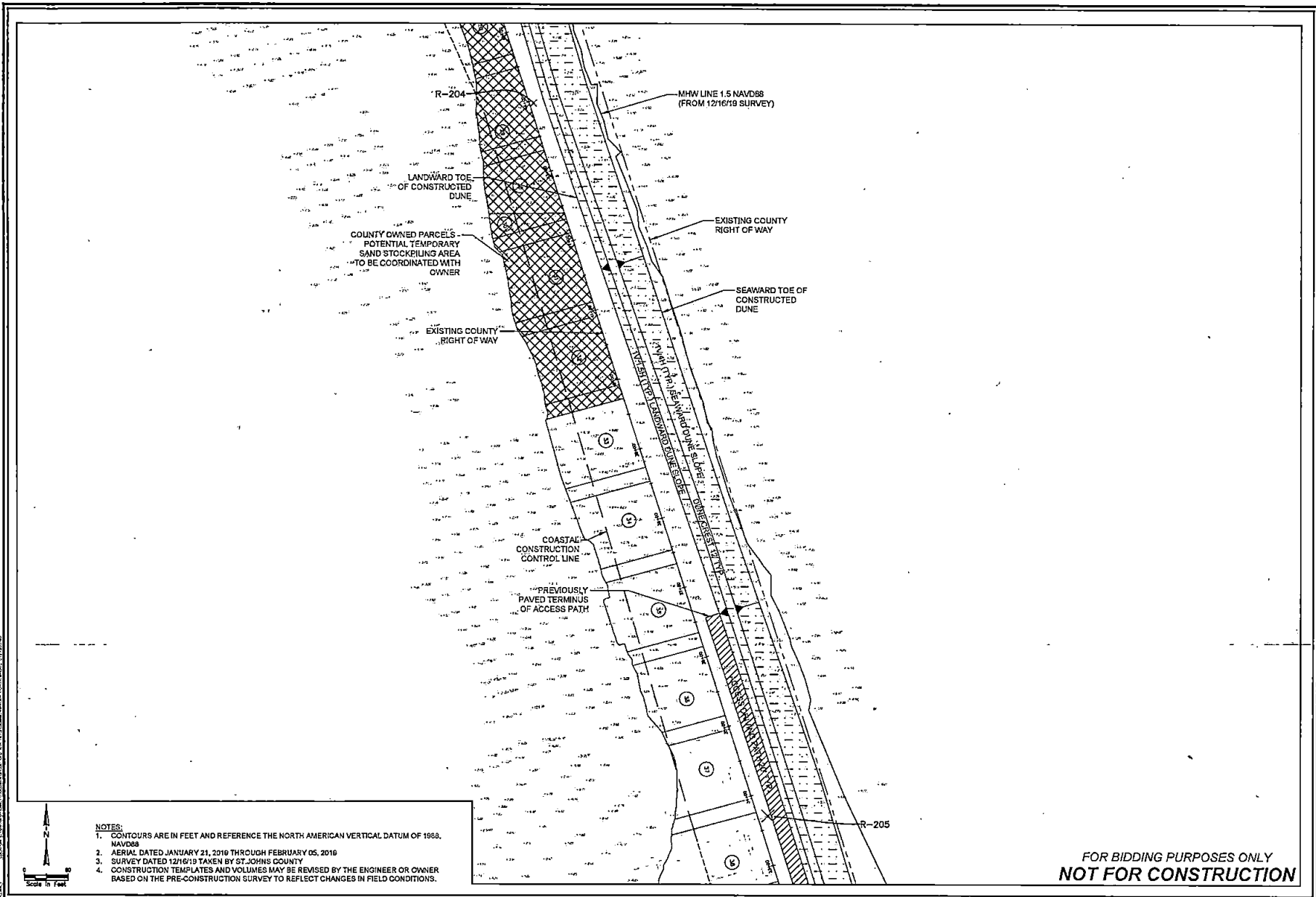
| THOMAS P. MASON P.E. # 12345 | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> | REVISION | DATE | DESCRIPTION | | | | | | | | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ISSUE</th> <th>DATE</th> <th>ISSUE</th> <th>NO.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | ISSUE | DATE | ISSUE | NO. | | | | | | | | |
| REVISION | DATE | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | |
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| BARRIER HAVEN/DADE INCORPORATED CONSTRUCTION ACCESS ST. JOHNS COUNTY, FLORIDA | | | | | | | | | | | | | | | | | | | | | | | | | |
| Applied Technology & Management, Inc. 100 Southpark Blvd. Suite 407 St. Augustine, Florida 32086 904-405-1956 Certificate of Registration #1409 | | | | | | | | | | | | | | | | | | | | | | | | | |
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| DRAWING NUMBER 4 SHEET 4 OF 18 | | | | | | | | | | | | | | | | | | | | | | | | | |



| SUMNER WATER DUNE REDEMPTION DUNE FILL PLAN VIEW - R-203 TO R-204 ST. JOHNS COUNTY, FLORIDA | | | | | | | | | | | | | | | | | | | | | |
|--|---|------|-----------|-------------|-------------|-------------|-------------|--|--|--|--|--|--|-------------|---------|---------|---------|------------|------------|----------|----|
| Applied Technology & Management, Inc. 102 South Park Blvd. Suite 407 Altamonte Springs, FL 32714 (407) 839-1100 www.atm-inc.com Professional Seal Certificate of Authorization #4659 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV</th> <th>NO</th> <th>DATE</th> <th>ISSUED BY</th> <th>DESIGNED BY</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJECT NO.</td> <td>13-5339</td> </tr> <tr> <td>JOB NO.</td> <td>13-5339</td> </tr> <tr> <td>ISSUE DATE</td> <td>01-28-2020</td> </tr> <tr> <td>ISSUE BY</td> <td>ED</td> </tr> </table> | REV | NO | DATE | ISSUED BY | DESIGNED BY | DESCRIPTION | | | | | | | PROJECT NO. | 13-5339 | JOB NO. | 13-5339 | ISSUE DATE | 01-28-2020 | ISSUE BY | ED |
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| DRAWING NUMBER 5 SHEET 5 OF 18 | | | | | | | | | | | | | | | | | | | | | |

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NOT FOR CONSTRUCTION**

THOMAS MASON
REGISTERED



- NOTES:**
1. CONTOURS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88
 2. AERIAL DATED JANUARY 21, 2019 THROUGH FEBRUARY 05, 2019
 3. SURVEY DATED 12/16/19 TAKEN BY ST. JOHNS COUNTY
 4. CONSTRUCTION TEMPLATES AND VOLUMES MAY BE REVISED BY THE ENGINEER OR OWNER BASED ON THE PRE-CONSTRUCTION SURVEY TO REFLECT CHANGES IN FIELD CONDITIONS.

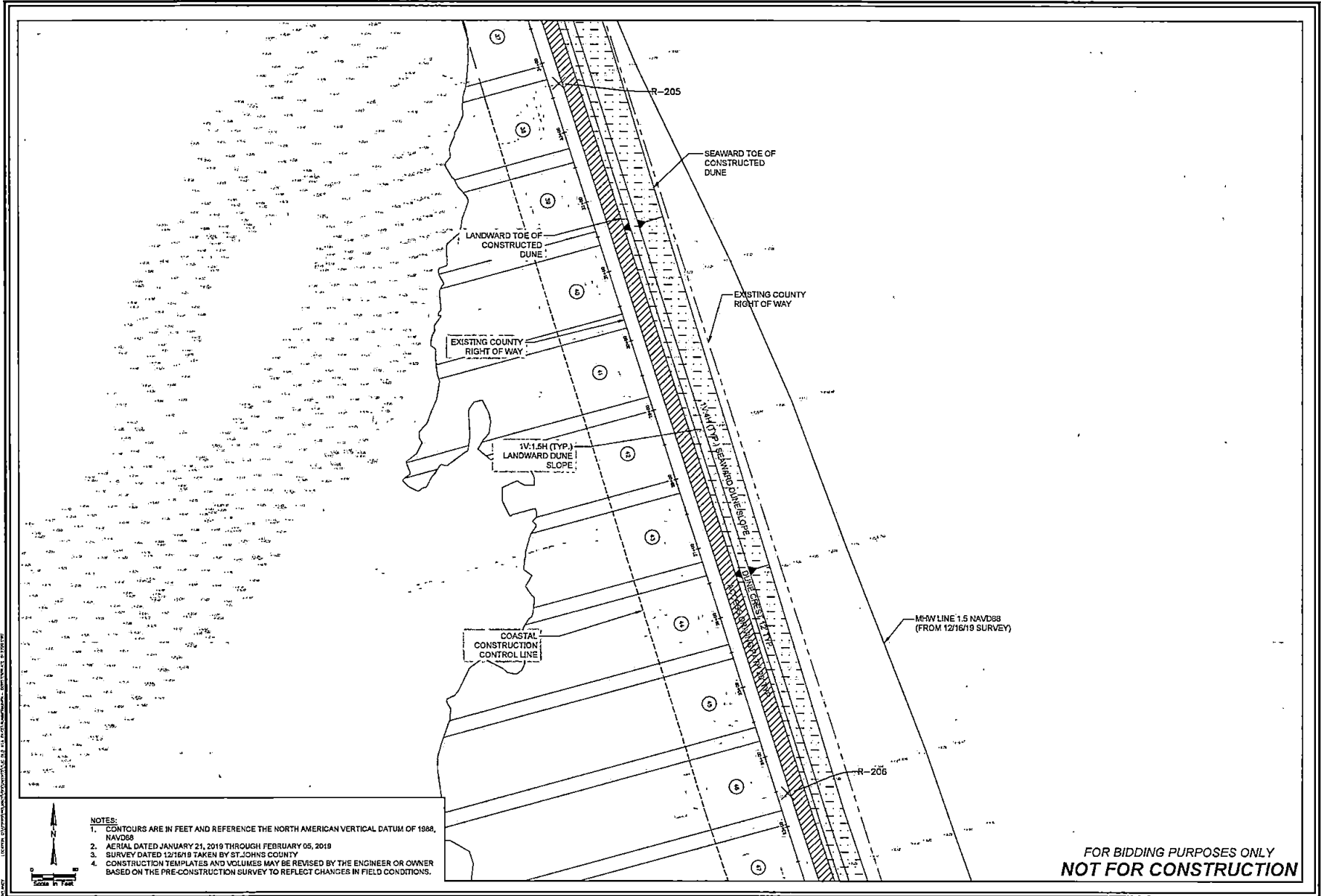
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| SUMMER HAVEN DUNE NEIGHBORHOOD DUNE FILL PLAN VIEW - R-204 TO R-205 ST. JOHNS COUNTY, FLORIDA | | DATE: 01-28-2020 ISSUE: 01 BY: [REDACTED] CHECKED: [REDACTED] |
| REGION: FL DRAWN: [REDACTED] TITLE: DUNE FILL PLAN VIEW - R-204 TO R-205 | CADD: [REDACTED] TM: [REDACTED] DATE: 01-28-2020 | DESCRIPTION: [REDACTED] |

Applied Technology & Management, Inc.
 100 Southbank Blvd.
 Suite 407
 Ft. Pierce, Florida 34966
 (888) 455-1335
 (888) 455-1335
 Certificate of Authorization #4689

ATM
 Applied Technology & Management, Inc.

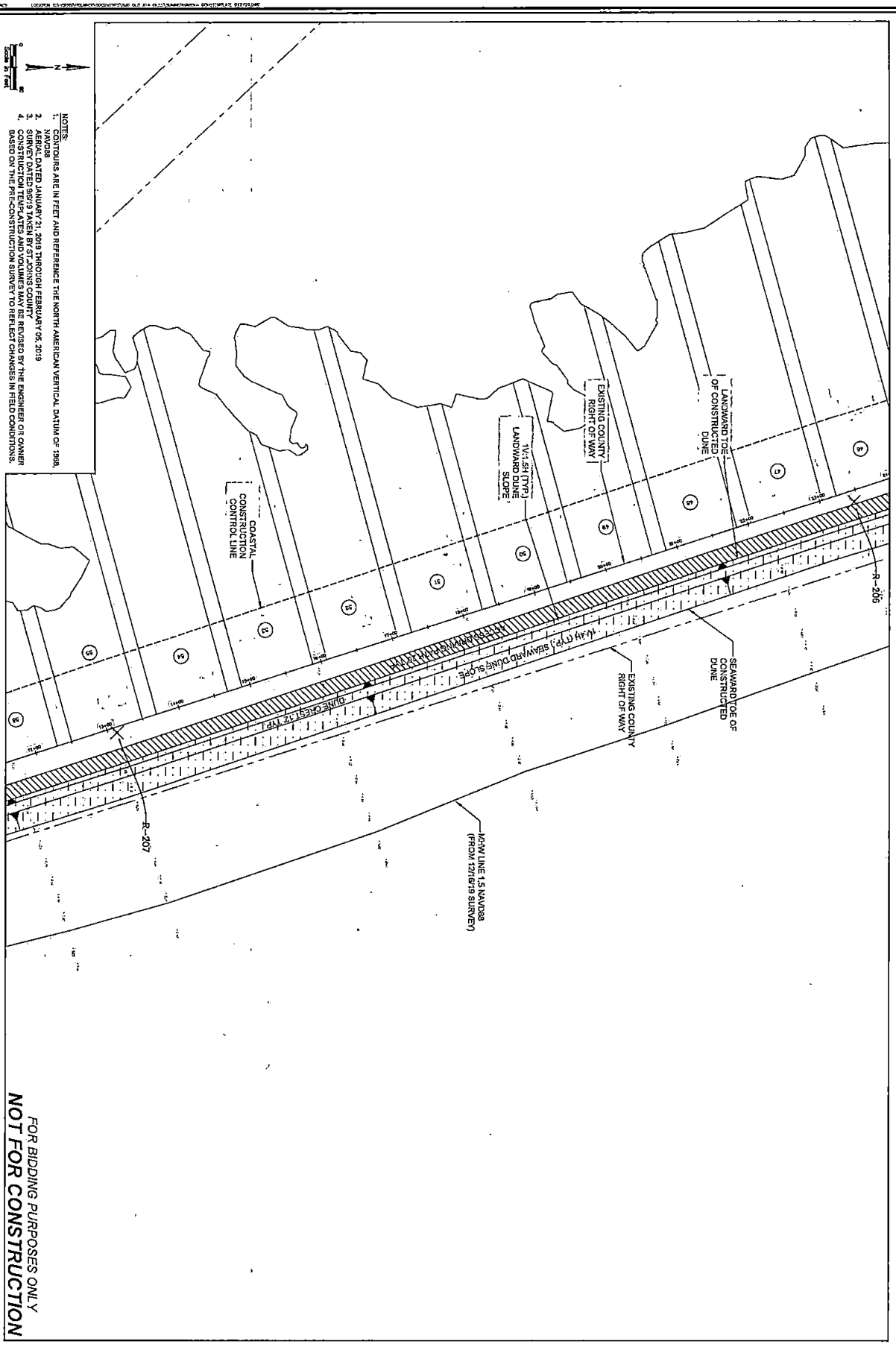
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| DRAWING NUMBER | 6 |
| SHEET | 6 OF 18 |



- NOTES:**
1. CONTOURS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88
 2. AERIAL DATED JANUARY 21, 2019 THROUGH FEBRUARY 05, 2019
 3. SURVEY DATED 12/16/19 TAKEN BY ST. JOHN'S COUNTY
 4. CONSTRUCTION TEMPLATES AND VOLUMES MAY BE REVISED BY THE ENGINEER OR OWNER BASED ON THE PRE-CONSTRUCTION SURVEY TO REFLECT CHANGES IN FIELD CONDITIONS.

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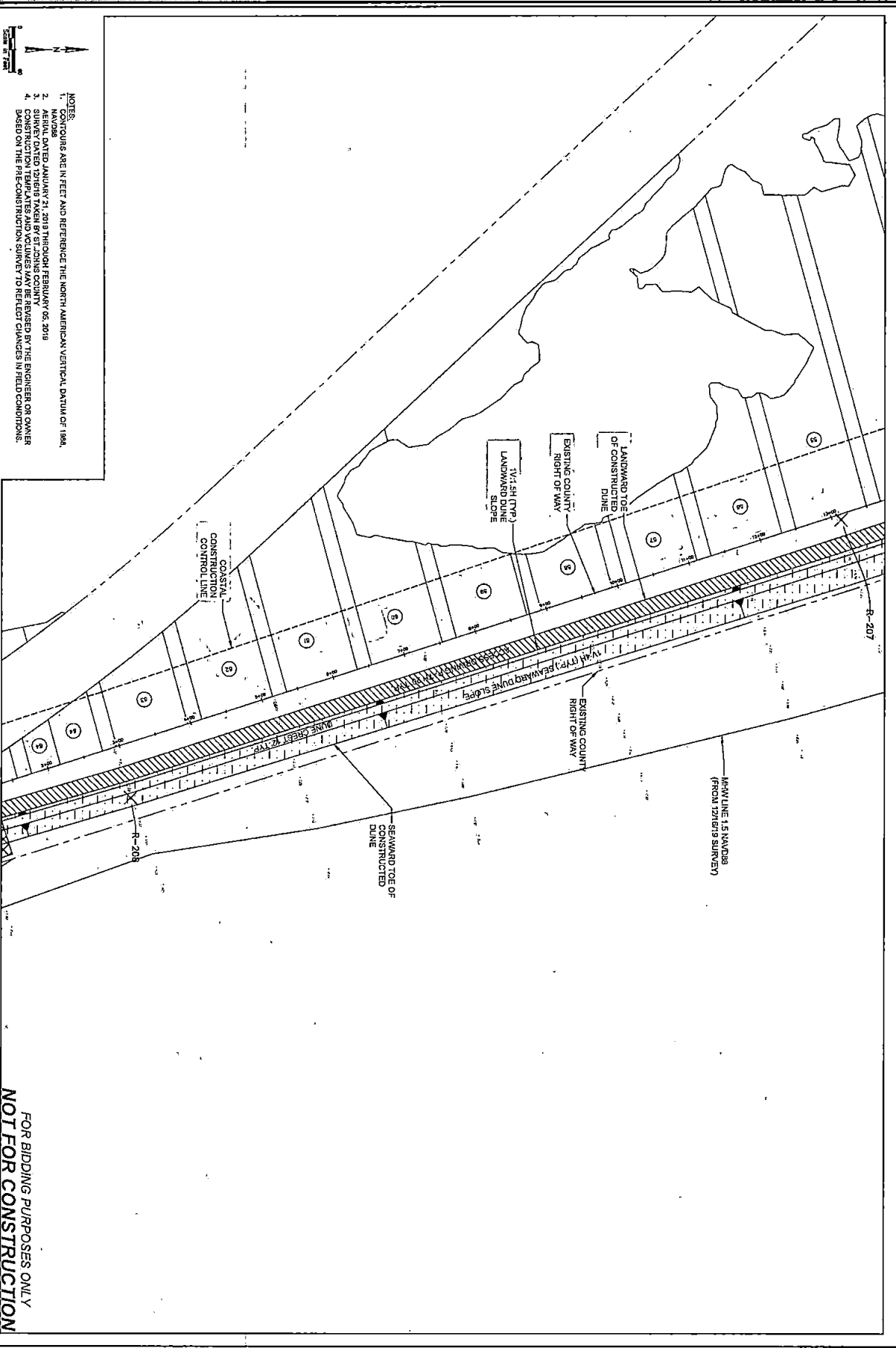
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| ST. JOHN'S COUNTY, FLORIDA ST. JOHN'S COUNTY, FLORIDA ST. JOHN'S COUNTY, FLORIDA | |
| DUNE FILL PLAN VIEW - R-205 TO R-206 | ST. JOHN'S COUNTY, FLORIDA ST. JOHN'S COUNTY, FLORIDA ST. JOHN'S COUNTY, FLORIDA |
| Applied Technology & Management, Inc. 100 Southeast Blvd. Suite 407 Ft. Pierce, Florida 34946 (888) 663-6343 Certificate of Authorization #19289 | ATM DESIGN SURVEYING CONSULTING |
| DRAWING NUMBER 7 | SHEET 7 OF 16 |



- NOTES:
1. DIMENSIONS ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
 2. SURVEY DATED JANUARY 21, 2019 THROUGH FEBRUARY 05, 2019.
 3. SURVEY DATED 05/19/19 TAKEN BY ST. JOHNS COUNTY ENGINEERS.
 4. DIMENSIONS AND LOCATIONS OF CONSTRUCTION SURVEY TO REFLECT CHANGES IN FIELD CONDITIONS.

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| Applied Technology & Management, Inc. 100 Southpark Blvd, Suite 407 St. Augustine, Florida 32056 (904) 435-1355 Certificate of Authorization 64569 | SUMMER HAVEN DUNE RENOURISHMENT DUNE FILL PLAN VIEW - R-206 TO R-207 ST. JOHNS COUNTY, FLORIDA | | DESIGN: TM DRAWN: PC CHECKED: TM JOB NUMBER: 19-3559 ISSUE DATE: 01-28-2020 ISSUE: EBD | REV. NO. DATE BY DESCRIPTION | TIMOTHY P. MASON Lic. # 7620 |
| | SHEET: 8 OF 16 DRAWING NUMBER: 8 | | | | |



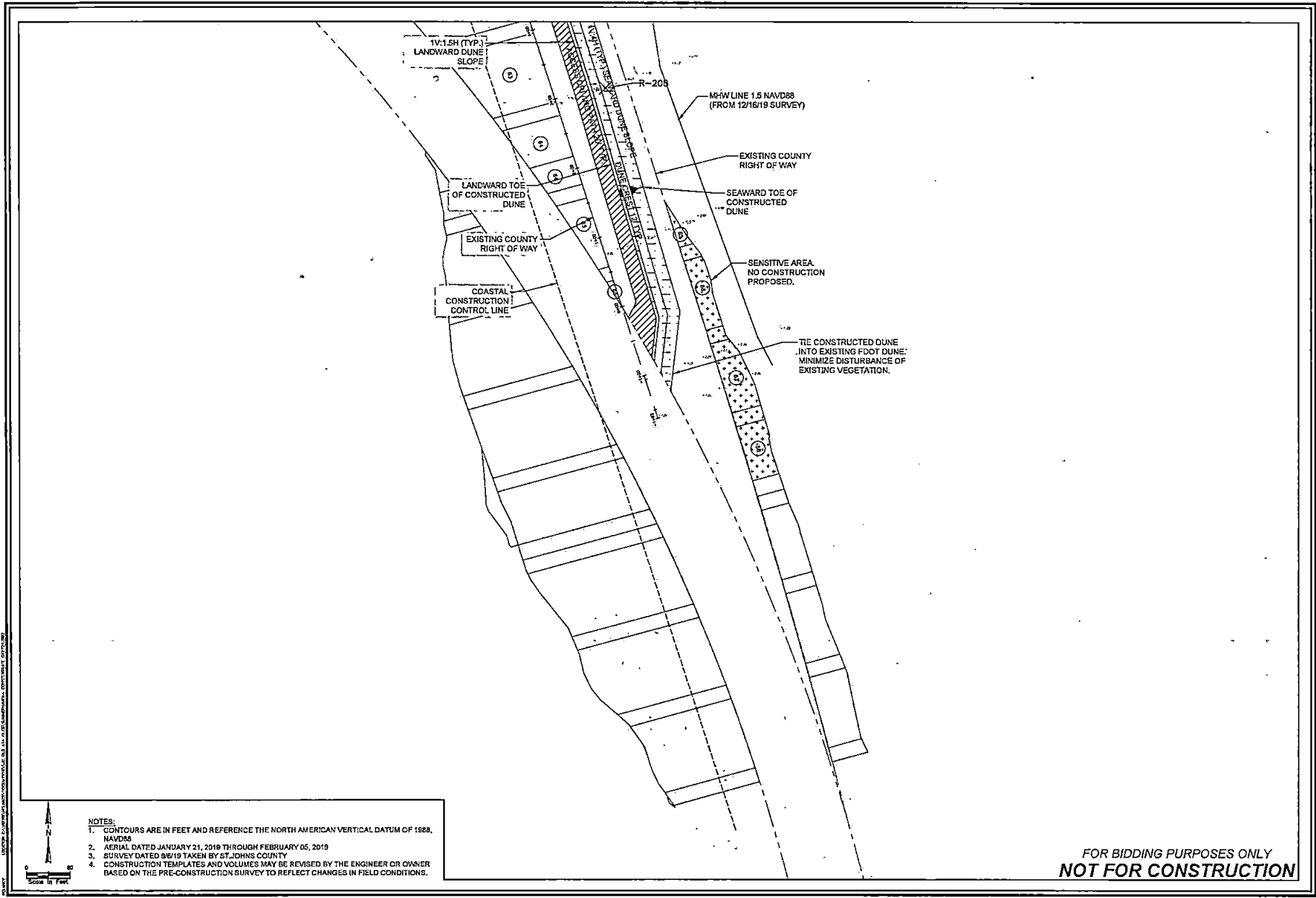
- NOTES:
1. DIMENSIONS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1984.
 2. SURVEY DATED JANUARY 21, 2019 THROUGH FEBRUARY 05, 2019.
 3. SURVEY DATED JANUARY 21, 2019 THROUGH FEBRUARY 05, 2019.
 4. SURVEY DATED JANUARY 21, 2019 THROUGH FEBRUARY 05, 2019.
- BASED ON THE PRE-CONSTRUCTION SURVEY TO REFLECT CHANGES IN FIELD CONDITIONS.

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| <p>Applied Technology & Management, Inc. 100 Southpark Blvd. Suite 407 St. Augustine, Florida 32088 (904) 435-1355 Certificate of Authorization #46629</p> | <p>SUMMER HAVEN DUNE NOURISHMENT</p> <p>DUNE FILL PLAN VIEW - R-207 TO R-208</p> <p>ST. JOHNS COUNTY, FLORIDA</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGN</td> <td>DATE</td> <td>BY</td> <td>DESCRIPTION</td> </tr> <tr> <td>TM</td> <td>19-1355</td> <td></td> <td></td> </tr> <tr> <td>JOB NUMBER</td> <td>01-28-2020</td> <td></td> <td></td> </tr> <tr> <td>ISSUE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>ISSUE</td> <td>BD</td> <td></td> <td></td> </tr> </table> | DESIGN | DATE | BY | DESCRIPTION | TM | 19-1355 | | | JOB NUMBER | 01-28-2020 | | | ISSUE | | | | ISSUE | BD | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>NO</th> <th>DATE</th> <th>BY</th> <th>CHKD BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | REV | NO | DATE | BY | CHKD BY | DESCRIPTION | | | | | | | | | | | | | | | | | | | | | | | | |
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PROJECT: 19-1355
DRAWING NUMBER: 9
SHEET: 9 OF 16

TIMOTHY P. MASON
Lic. # 3638



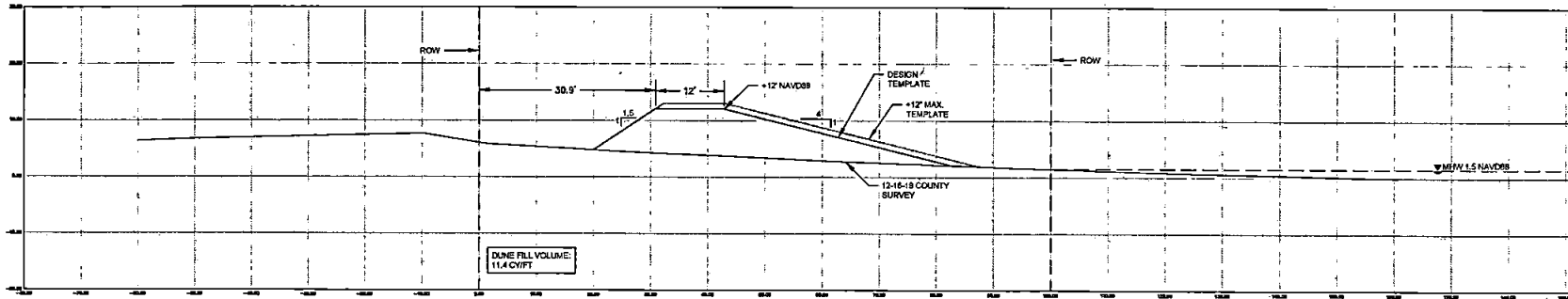
NOTES:

1. CONTOURS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88
2. AERIAL DATED JANUARY 21, 2019 THROUGH FEBRUARY 05, 2019
3. SURVEY DATED 9/6/19 TAKEN BY ST. JOHNS COUNTY
4. CONSTRUCTION TEMPLATES AND VOLUMES MAY BE REVISED BY THE ENGINEER OR OWNER BASED ON THE PRE-CONSTRUCTION SURVEY TO REFLECT CHANGES IN FIELD CONDITIONS.

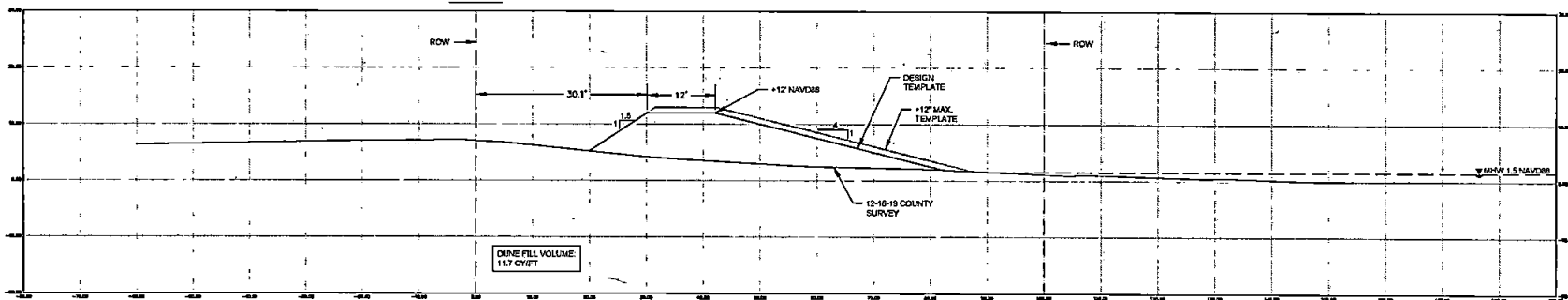


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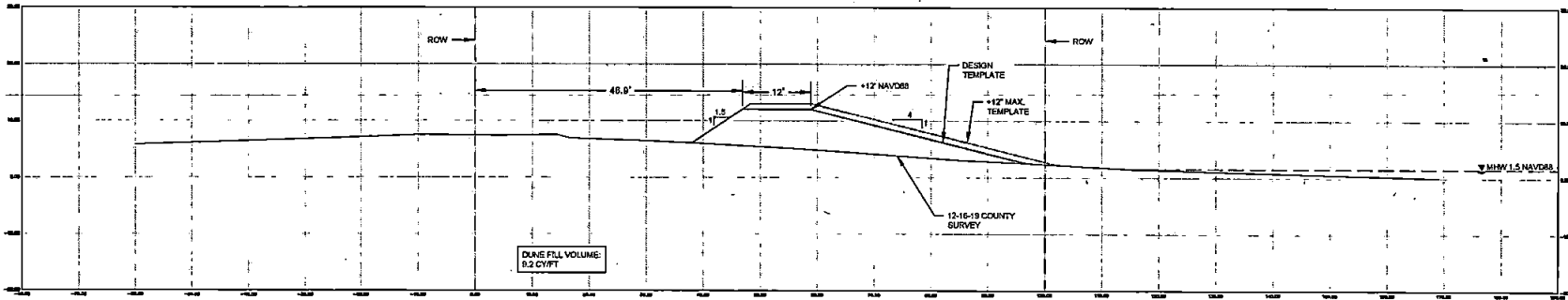
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| SUMMIT HAVEN DUNE RECONSTRUCTION DUNE FILL PLAN VIEW - R-208 TO R-208.5 ST. JOHNS COUNTY, FLORIDA | | THOMAS P. AMSON LIC. 12552 |
| REGION COUNTY CITY PROJECT NO. | DRAWING NO. DATE ISSUE | DESCRIPTION |
| DESIGN DATE ISSUE | CHECKED DATE ISSUE | APPROVED DATE ISSUE |
| Applied Technology & Management, Inc. 100 Southpark Blvd. Suite 407 St. Augustine, Florida 32086 (904) 829-1111 State of Authorization #44689 | | |
| ATM DESIGN CONSULTING | | DRAWING NUMBER 10 SHEET 10 OF 18 |



R203
1"=10'



R204
1"=10'



R205
1"=10'

- NOTES:**
1. PROFILES ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88.
 2. UNIT FILL VOLUMES SHOWN ARE BETWEEN DESIGN TEMPLATE AND 12/16/19 SURVEY GRADE. CONTRACTOR SHALL ANTICIPATE VARYING CONDITIONS IN THE DUNE FILL AREA. CONSTRUCTION TEMPLATES AND VOLUMES MAY BE REVISED BY THE ENGINEER OR OWNER BASED ON THE PRE-CONSTRUCTION SURVEY TO REFLECT CHANGES IN FIELD CONDITIONS.
 3. SAND FENCE NOT SHOWN FOR CLARITY, SEE SHEET 13 FOR VEGETATION AND FENCING DETAILS.

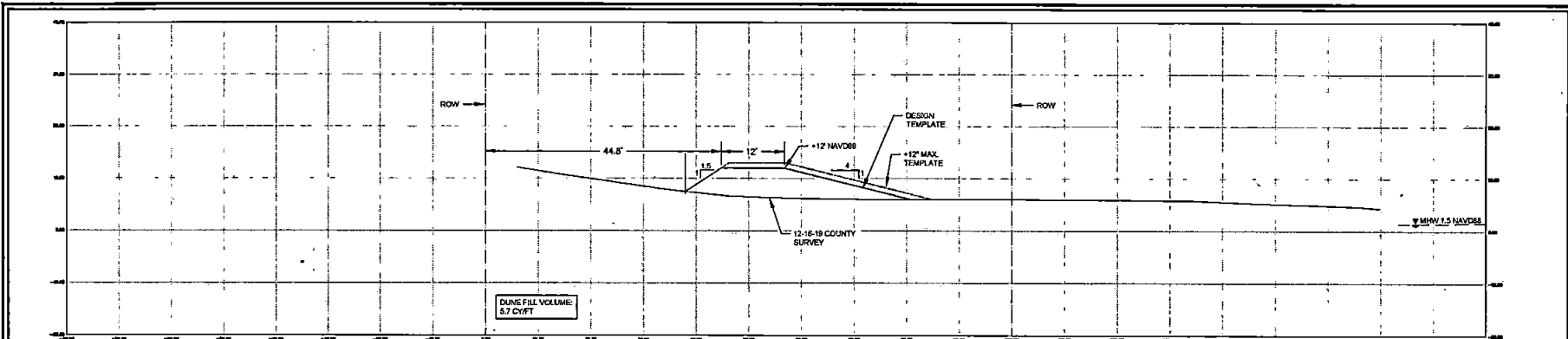
| | | | |
|---------------------------|------------|----------|-------------------------------------|
| DRAWING NUMBER | | 11 | |
| SHEET | | 11 OF 16 | |
| PROJECT | DATE | DESIGNER | DESCRIPTION |
| ST. JOHNS COUNTY, FLORIDA | 08/28/2023 | ATM | DUNE FILL SECTIONS - R-203 TO R-205 |
| SCALE | DATE | ISSUE | BY |
| 1"=10' | 08/28/23 | 1 | ATM |
| DATE | ISSUE | BY | DESCRIPTION |
| 08/28/23 | 1 | ATM | ISSUE FOR BIDDING |

Applied Technology & Management, Inc.
100 Scenicview Blvd.
Saw 07
Ponte Vedra Beach, Florida 32086
(904) 485-1455
Certificate of Authorization #4899

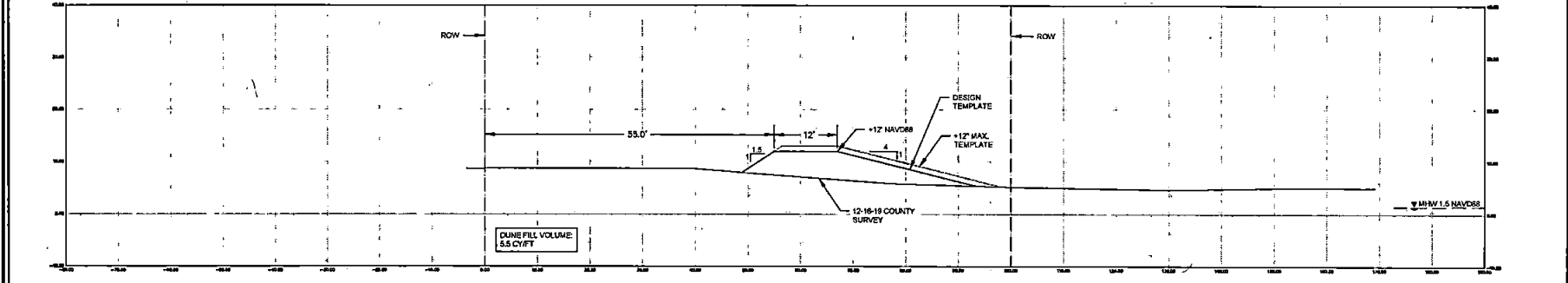
ST. JOHNS COUNTY, FLORIDA

DUNE FILL SECTIONS - R-203 TO R-205

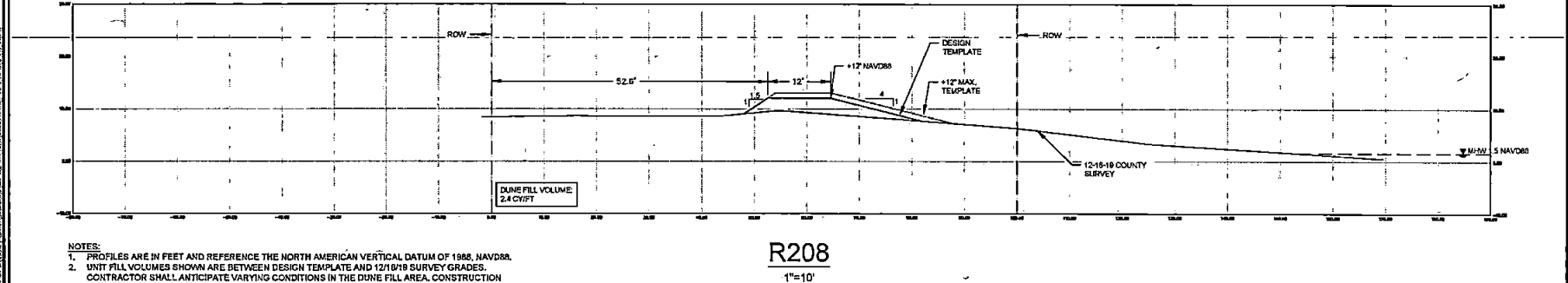
FOR BIDDING PURPOSES ONLY
NOT FOR CONSTRUCTION



R206
1"=10'



R207
1"=10'



R208
1"=10'

- NOTES:**
1. PROFILES ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88.
 2. UNIT FILL VOLUMES SHOWN ARE BETWEEN DESIGN TEMPLATE AND 12/18/19 SURVEY GRADES. CONTRACTOR SHALL ANTICIPATE VARYING CONDITIONS IN THE DUNE FILL AREA. CONSTRUCTION TEMPLATES AND VOLUMES MAY BE REVISED BY THE ENGINEER OR OWNER BASED ON THE PRE-CONSTRUCTION SURVEY TO REFLECT CHANGES IN FIELD CONDITIONS.
 3. SAND FENCE NOT SHOWN FOR CLARITY, SEE SHEET 13 FOR VEGETATION AND FENCING DETAILS.

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| | | | |
|------------------------|------|------------------|-------------|
| PROJECT NUMBER: 03-208 | | DATE: 01-28-2025 | |
| ISSUE | DATE | BY | DESCRIPTION |
| | | | |
| | | | |
| | | | |

QUANTIFICATION INSTRUMENT

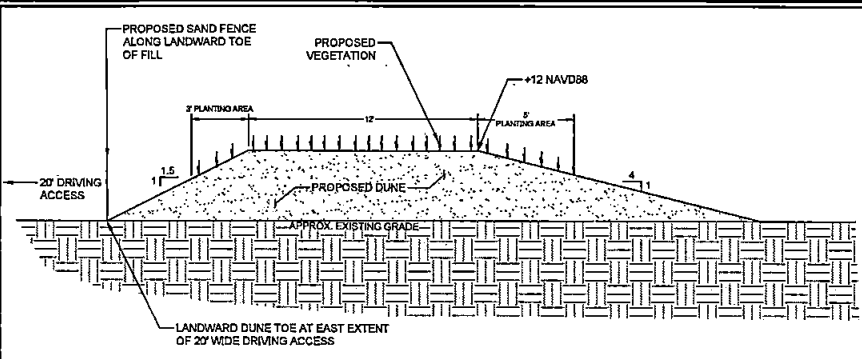
DUNE FILL SECTIONS - R-206 TO R-208

ST. JOHNS COUNTY, FLORIDA

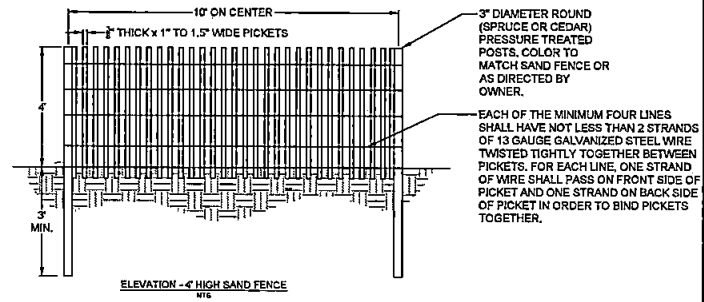
Applied Technology & Management, Inc.
100 Southpark Blvd.
Suite 407
Atlanta, Georgia 30346
Phone: 770-447-1000
Fax: 770-447-1001
Certificate of Authorization #12529

ATM
ARCHITECTURAL
TECHNOLOGY
&
MANAGEMENT

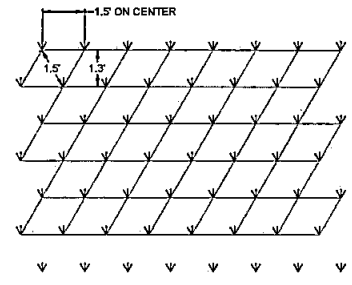
DRAWING NUMBER: 12
SHEET 12 OF 16



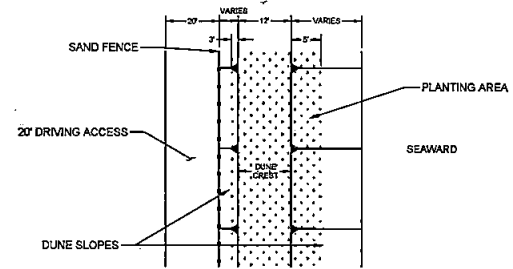
TYPICAL PROFILE OF DUNE VEGETATION
NTE



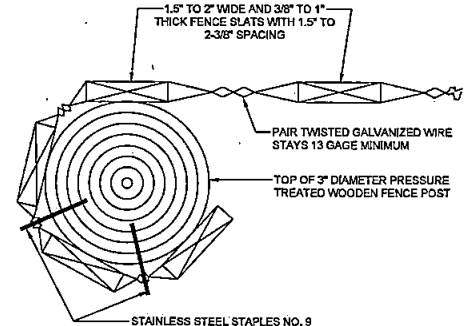
ELEVATION - 6' HIGH SAND FENCE
NTE



TYPICAL PLANTING LAYOUT
NTE



TYPICAL PLAN VIEW OF VEGETATION AND DUNE AREA
NTE



FENCE POST DETAIL
NTE

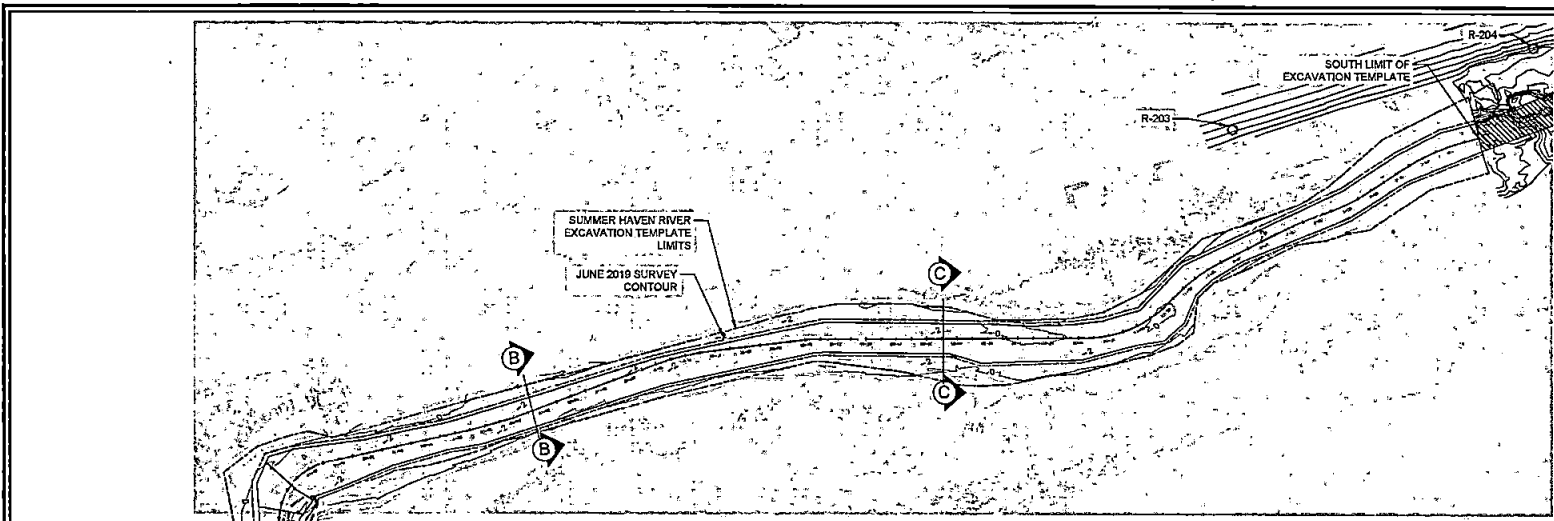
| PLANT TYPES | | | | |
|-----------------------|--------------------------------|--------------------|--------------------------|--------------------------|
| COMMON NAME | SCIENTIFIC NAME | MINIMUM PLANT SIZE | % OF TOTAL PLANTING AREA | LOCATION |
| SEA OATS | <i>Uniola paniculata</i> | 1" LINER | 100 | SEAWARD SLOPE |
| SEA OATS | <i>Uniola paniculata</i> | 1" LINER | 60 | CREST AND LANDWARD SLOPE |
| DUNE SUNFLOWER | <i>Helianthus Debilis</i> | 2" LINER | 8 | |
| SALT MEADOW COROGRASS | <i>Spartina patens</i> | 2" LINER | 8 | |
| RAILROAD VINE | <i>Ipomoea pes-caprae</i> | 2" LINER | 8 | |
| SEA ROCKET | <i>Cakile Edentula</i> | 2" LINER | 8 | |
| SEA PURSLANE | <i>Sesuvium Portulacastrum</i> | 2" LINER | 8 | |

- NOTES:
1. THE LOCATIONS OF THE SAND FENCE SHALL BE STAKED OUT IN THE FIELD AND APPROVED BY THE OWNER PRIOR TO THE COMMENCEMENT OF INSTALLATION.
 2. THE CONTRACTOR SHALL RESTORE ANY VEGETATION DESTROYED DURING FENCE INSTALLATION TO THE SATISFACTION OF THE OWNER.
 3. THE EXACT NUMBER AND LOCATION OF OPENINGS FOR ACCESS IN THE SAND FENCE SHALL BE FIELD FITTED TO THE SATISFACTION OF THE OWNER.
 4. WOOD PICKETS SHALL BE SPRUCE OR ASPEN, REDWOOD STAINED COLOR. SPACING BETWEEN PICKETS SHALL BE NO GREATER THAN 2'-30". SAND FENCE SUPPLIER SHALL BE DISCOUNT FENCE SUPPLY, INC. (DISCOUNTFENCE.COM) OR OWNER APPROVED EQUAL.
 5. SUBMIT ALL MATERIALS, INSTALLATION METHODOLOGY, AND SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.

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| | | | | | | |
|--|--|---|--|---|---|---|
| DRAWING NUMBER 13 SHEET 13 OF 18 | ST. JOHNS COUNTY, FLORIDA PLANTING DETAILS AND NOTES SWANER HAVEN DUNES HOUSING/AGENT Applied Technology & Management, Inc. 18250 W. Park Drive Suite 407 St. Augustine, Florida 32086 (800) 451-1355 Certificate of Authorization #4469 | REVISION NO. DATE DRAWN/CHECKED BY PREPARED BY DATE CHECKED BY DATE ISSUED DATE ISSUE DATE BO | PROJECT NO. PROJECT NAME PROJECT LOCATION PROJECT DESCRIPTION PROJECT DATE | DRAWING NO. 13 SHEET 13 OF 18 DATE 08/20/2008 | DRAWING NO. 13 SHEET 13 OF 18 DATE 08/20/2008 | DRAWING NO. 13 SHEET 13 OF 18 DATE 08/20/2008 |
|--|--|---|--|---|---|---|

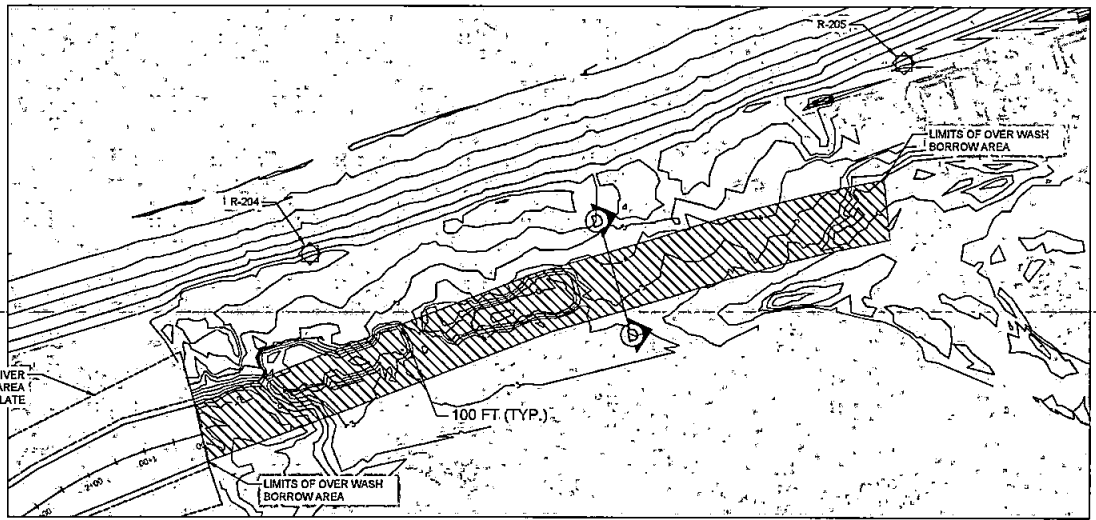
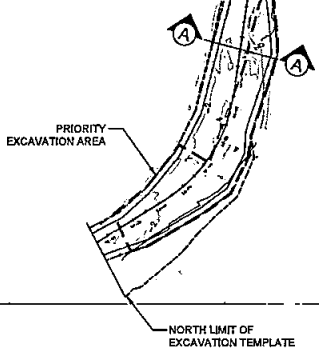
PROJECT: SWANER HAVEN DUNES HOUSING/AGENT; DRAWING NO. 13; SHEET 13 OF 18; DATE: 08/20/2008; PROJECT LOCATION: ST. JOHNS COUNTY, FLORIDA



ESTIMATED MAXIMUM EXCAVATION QUANTITIES TO PERMITTED TEMPLATE:

1. PRIORITY EXCAVATION AREA: 12,000 CY
2. ENTIRE NORTH SUMMER HAVEN RIVER INCLUDING PRIORITY AREA: 32,000 +/- CY

SUMMER HAVEN RIVER NORTH BORROW AREA
1"=200'



ESTIMATED MAXIMUM EXCAVATION QUANTITIES TO DESIGN TEMPLATE:

1. ENTIRE OVERWASH BORROW AREA: 28,000 +/- CY

SUMMER HAVEN RIVER OVERWASH BORROW AREA
1"=100'

LEGEND:

- 2 FT NAVD88 TEMPLATE: - - - - -
- 4 FT NAVD88 TEMPLATE: = = = = =
- 6 FT NAVD88 TEMPLATE: _____
- PRIORITY EXCAVATION AREA: [Hatched Pattern]

NOTES:

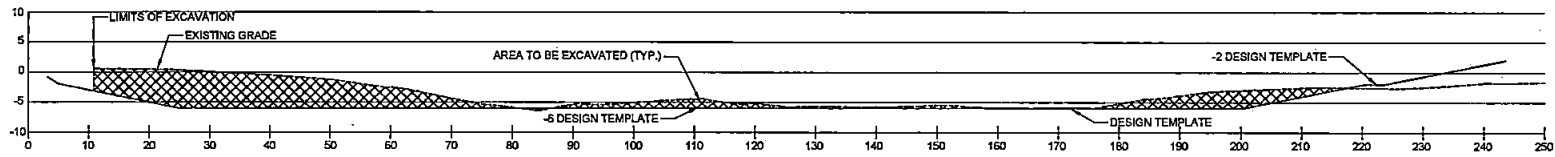
1. NORTH SUMMER HAVEN RIVER SURVEY COMPLETED BY DEGROVE SURVEYORS INC. IN JUNE 2019
2. SUMMER HAVEN RIVER OVERWASH SURVEY COMPLETED BY ST. JOHNS COUNTY 12/16/19
3. BACKGROUND IMAGE FROM ST. JOHNS COUNTY GIS DATED JANUARY 2019
4. CONTRACTOR SHALL COMPLY WITH MATERIAL SPECIFICATIONS AND SEDIMENT DA/GC PLAN PER FDEP PERMIT.

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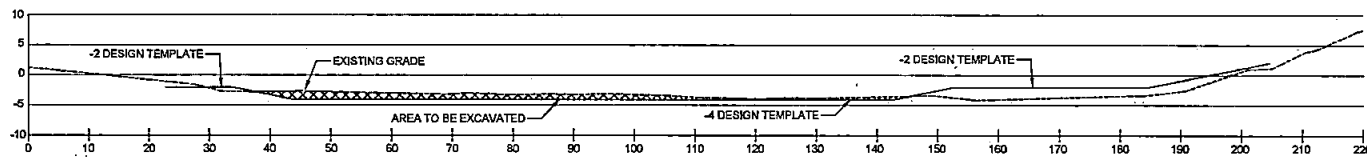
| | | |
|---|--------------------------|---|
| DESIGN TITLE CLIENT JOB NO. DATE ISSUE 19-0359 11-29-2020 1 | | DESCRIPTION NORTH SUMMER HAVEN RIVER BORROW AREA |
| DRAWN BY DATE CHECKED BY DATE | PROJECT NO. SHEET NO. | ST. JOHNS COUNTY, FLORIDA |

Applied Technology & Management, Inc.
 100 Southport Blvd.
 Suite 477
 Jacksonville, Florida 32206
 (904) 854-1343
 Certificate of Authorization #6259

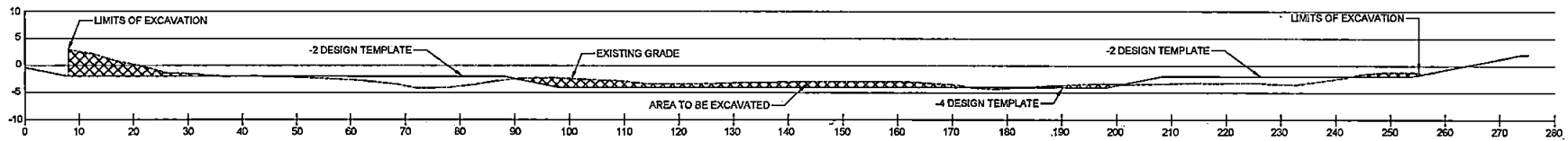
DRAWING NUMBER
 14
 SHEET 14 OF 16



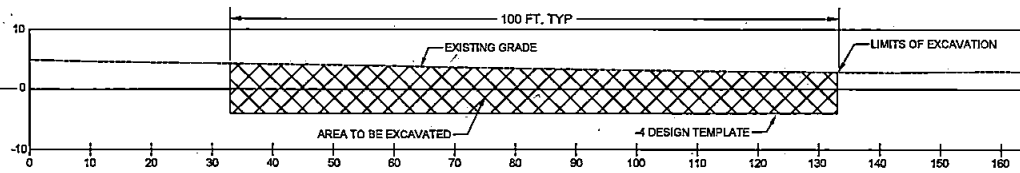
SUMMER HAVEN RIVER NORTH CROSS SECTION AA
1"=10'



SUMMER HAVEN RIVER NORTH CROSS SECTION BB
1"=10'



SUMMER HAVEN RIVER NORTH CROSS SECTION CC
1"=10'



SUMMER HAVEN RIVER OVERWASH CROSS SECTION DD
1"=10'

LEGEND:
GRADE BASED ON DEGROVE JUNE 2019 SURVEY: - - - - -
PERMITTED EXCAVATION TEMPLATE: ———

- NOTES:
1. PROFILES ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD83.
 2. CONSTRUCTION TEMPLATES AND VOLUMES MAY BE REVISED BY THE ENGINEER OR OWNER TO REFLECT CHANGES IN FIELD CONDITIONS.
 3. THESE PLANS SHOW THE BORROW AREA DESIGN TEMPLATES. REFER TO TECHNICAL SPECIFICATIONS FOR OVERDREDGE ALLOWANCE.
 4. CONTRACTOR MAY UTILIZE MECHANICAL AND/OR HYDRAULIC METHODS TO EXCAVATE AND CONVEY MATERIALS TO THE DUNE FILL TEMPLATE. CONTRACTOR'S PROPOSED MEANS AND METHODS SUBJECT TO ACCEPTANCE BY THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.

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| | | | | | |
|-------------|--|------|--|-------|--|
| PROJECT NO. | | DATE | | ISSUE | |
| JOB NO. | | DATE | | ISSUE | |
| DESIGNER | | DATE | | ISSUE | |
| CHECKER | | DATE | | ISSUE | |
| APPROVER | | DATE | | ISSUE | |

Applied Technology & Management, Inc.
 100 Southpark Blvd.
 Suite 407
 St. Augustine, Florida 32086
 (904) 286-1111
 www.atm-inc.com
 Certificate of Authorization #14593

SUMMER HAVEN RIVER SECTIONS
 ST. JOHNS COUNTY, FLORIDA

DRAWING NUMBER
 15
 SHEET 15 OF 15

BORROW SITE AERIAL PHOTO 11/28/18



N: 585000

N: 584500

N: 584000

N: 583500

E: 1928000

E: 1928500

E: 1929000

E: 1927500

E: 1927000

E: 1928500

EL. +24.0 +/-

100' MIN. OFFSET FROM C.L. OF DIKE CREST

100' MIN. OFFSET FROM C.L. OF DIKE CREST

100' MIN. OFFSET FROM C.L. OF DIKE CREST

ACCESS RAMP

ACCESS ROAD

APPROX. LIMIT OF SANDY DEPOSIT

MAXIMUM BORROW LIMITS 10' CUT (TYP.) BASE ELEV. +7.5 +/-



Scale in Feet

- GOPHER TORTOISE SURVEY AND RELOCATION:**
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A GOPHER TORTOISE SURVEY OF THE F.I.N.D. DMMA FL-3 PROJECT SITE. A PERMIT FOR THE RELOCATION OF ALL IDENTIFIED TORTOISES SHALL BE OBTAINED. ALL TORTOISES SHALL BE RELOCATED TO OUTSIDE OF THE WORK AREA IN ACCORDANCE WITH THE PERMIT. ALL GOPHER TORTOISE SURVEY AND RELOCATION SERVICES SHALL BE PERFORMED BY AN FWC-AUTHORIZED GOPHER TORTOISE AGENT.
 2. GOPHER TORTOISE SURVEY AND RELOCATION MUST BE COMPLETED WITHIN 90 DAYS PRIOR TO THE START OF CONSTRUCTION.
 3. RELOCATED TORTOISES SHALL BE RESTRICTED FROM THE WORK AREA THROUGHOUT THE DURATION OF THE PROJECT. FENCES OR OTHER PHYSICAL BARRIERS SHALL BE USED TO ACCOMPLISH THIS.
 4. EXTENTS OF SURVEY SHALL BE 25' OUTSIDE OF ALL DISTURBED AREAS, INCLUDING PROPOSED BORROW AREA.

- NOTES:**
1. AERIAL IMAGE FROM LABINS 2017
 2. REFER TO SHEET 2 FOR GENERAL SURVEY NOTES.
 3. FIND HAS PRESCRIBED A MIN. 100 FT OFFSET FROM THE EXISTING CREST CENTERLINE OF THE DIKE TO ANY EXCAVATION.
 4. TOTAL AVAILABLE BORROW QUANTITY ESTIMATED: 100,000 + CY ESTIMATED WITHIN BORROW AREA LIMITS SHOWN AND TO ELEVATION 14 FT +/- NAVD83.
 5. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL VEGETATION, ROOTS, TOP SOIL/SILT, AND DEBRIS FROM BORROW AREA SURFACE WITHIN THE LIMITS OF EXCAVATION PRIOR TO COMMENCING EXCAVATION AND LOADING OF TRUCKS. CONTRACTOR SHALL ABIDE BY THE FWP PERMIT SAND GAUGE PLAN.
 6. CONTRACTOR SHALL REPAIR ALL DAMAGE TO THE HAUL ROUTE AND DIKE RAMPS TO THE SATISFACTION OF F.I.N.D. AND OWNER PRIOR TO DEMOBILIZATION.

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NOT FOR CONSTRUCTION

| | |
|---|----------------------------|
| <p>ST. JOHNS COUNTY, FLORIDA</p> <p>THOMAS P. WATSON COUNTY CLERK</p> | |
| <p>PROJECT NO. 183309</p> <p>DATE 01/25/2020</p> | <p>ISSUE</p> <p>NO. 01</p> |
| <p>DATE</p> <p>BY</p> <p>BT</p> | <p>DESCRIPTION</p> |
| <p>ST. JOHNS COUNTY, FLORIDA</p> <p>BORROW AREA PLAN - FIND DMMA FL-3</p> | |
| <p>Applied Technology & Management, Inc.</p> <p>100 Southpark Blvd.</p> <p>Suite 427</p> <p>Orlando, Florida 32836</p> <p>ATM REGISTERED PROFESSIONAL ENGINEERING CONSTRUCTION</p> <p>Professional Seal</p> | |
| <p>DRAWING NUMBER</p> <p>16</p> <p>SHEET 16 OF 18</p> | |