

CONSTRUCTION AGREEMENTConstruction Agreement No.: 2025-C-799-00006

THIS CONSTRUCTION AGREEMENT ("Agreement") is made and entered into by and between the State of Florida, Department of Transportation, (Address) FDOT Pinellas Operations, 5211 Ulmerton Road, Clearwater, Florida 33760 (hereinafter referred to as the "DEPARTMENT") and (Name) Pinellas County (Address) 315 Court Street, Clearwater, FL 33756 (hereinafter referred to as the "Construction Coordinator").

WITNESSETH:

WHEREAS, the DEPARTMENT is authorized and required by Section 334.044, Florida Statutes, to coordinate the planning, development, and operation of the State Highway System; and

WHEREAS, pursuant to Section 20.23(7), Florida Statutes, the DEPARTMENT is authorized to contract with local governmental entities and with the private sector under specific circumstances; and

WHEREAS, Section 339.282, Florida Statutes, provides incentives to private sector entities that finance, construct, and improve public transportation facilities; and

WHEREAS, pursuant to Section 334.175(2), Florida Statutes, the DEPARTMENT is required to review the Project's design plans for compliance with Department design standards; and

WHEREAS, the Construction Coordinator proposes to construct certain improvements to SR SR 699 Section 100 Subsection 000 from Begin MP 0.775 to End MP 0.813 Local Name _____ located in Pinellas County (hereinafter referred to as the "Project"); and

WHEREAS, the parties desire to enter into this Agreement for the Construction Coordinator to make improvements within the DEPARTMENT'S right of way to construct the Project, which will become the property of the DEPARTMENT upon acceptance of the work.

NOW, THEREFORE, based on the premises above, and in consideration of the mutual covenants contained herein, the parties hereby agree that the construction of the Project shall proceed in accordance with the following terms and conditions:

1. The recitals set forth above are specifically incorporated herein by reference and made a part of this Agreement. The Construction Coordinator is authorized, subject to the conditions set forth herein, to enter the DEPARTMENT'S right of way to perform all activities necessary for the construction of **See attached Exhibit A Scope of Services/Special Provisions**.
2. The Project shall be designed and constructed in accordance with the latest edition of the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction ("FDOT Standard Specifications"), FDOT Standard Plans and FHWA Manual on Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the FDOT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the FDOT Design Manual, Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (commonly known as the "Florida Greenbook") and the FDOT Traffic Engineering Manual. The Construction Coordinator will be required to submit any construction plans required by the DEPARTMENT for review and written approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the Construction Coordinator shall be required to notify the DEPARTMENT of the changes and receive written approval from the DEPARTMENT prior to the changes being constructed. The Construction Coordinator shall maintain the area of the Project at all times and coordinate any work needs of the DEPARTMENT during construction of the Project.
3. In its sole discretion, the DEPARTMENT may reject designs which do not meet DEPARTMENT standards. The DEPARTMENT may also, in its sole discretion, allocate DEPARTMENT-managed resources, including structures engineers and/or project managers, to projects involving complex design structures and other design structures not commonly used by the DEPARTMENT. In addition, all complex bridges and bridge types not commonly used by the DEPARTMENT constructed via this Agreement will be monitored and inspected by DEPARTMENT personnel.
4. The Construction Coordinator shall provide the DEPARTMENT a minimum of 2 business days' notice before beginning construction within DEPARTMENT right of way. The Construction Coordinator shall notify the DEPARTMENT should construction be suspended for more than 5 working days.
5. Pursuant to Section 7-13 of the FDOT Standard Specifications, the Construction Coordinator is required to possess a general liability insurance naming the DEPARTMENT as an additional insured and insuring the DEPARTMENT and the Construction Coordinator against any and all claims for injury or damage to persons and property, and for the loss of life or property that may occur (directly or indirectly) by reason of the Construction Coordinator accessing DEPARTMENT right of way and the Construction Coordinator's performance of the Project. Such amount shall be carried in a minimum amount of not less than Local Government Exempt and 00/100 Dollars (Local Government Exempt) for bodily injury or death to any one person or any number of persons in any one occurrence, and not less than Local Government Exempt and 00/100 Dollars (\$ 0) for property damage, or a combined coverage of not less than Local Government Exempt and 00/100 Dollars (\$ 0). Additionally, the Construction Coordinator shall supply the DEPARTMENT with a payment and performance bond in the amount of the estimated cost of construction, provided by a surety authorized to do business in the State of Florida, payable to the DEPARTMENT. The bond and insurance shall remain in effect until completion of construction and acceptance by the DEPARTMENT. Prior to commencement of the Project and on such other occasions as the DEPARTMENT may reasonably require, the Construction Coordinator shall provide the DEPARTMENT with certificates documenting that the required insurance coverage is in place and effective. If the Construction Coordinator is a governmental entity, they will be exempt from these requirements.

6/16/2026

6. The Construction Coordinator shall be responsible for monitoring construction operations and Temporary Traffic Control (TTC) throughout the course of the Project in accordance with the latest edition of the FDOT Standard Specifications, Section 102, Maintenance of Traffic, and FDOT Standard Plans, 102-600 series. The Construction Coordinator is responsible for the development of a TTC Plan and making any changes to that plan as necessary. Any TTC plan developed by the Construction Coordinator that deviates from the FDOT Standard Plans must be signed and sealed by a professional engineer. TTC plans will require written approval by the DEPARTMENT prior to implementation.
7. The Construction Coordinator shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations are accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.
8. The Construction Coordinator will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.
9. The Construction Coordinator shall take emergency steps to close any public road whenever there is a risk to life, health and safety of the travelling public. The safety of the travelling public is the DEPARTMENT'S first priority. If lane or road closures are required to ensure the life, health, and safety of the travelling public, the Construction Coordinator must notify the District Maintenance Engineer and District Traffic Operations Engineer immediately once the travelling public are not at imminent risk. The DEPARTMENT expects professional engineering judgement be applied in all aspects of locally or privately delivered projects. Defect management and supervision of Project bridge structures components must be proactively managed, monitored, and inspected by DEPARTMENT prequalified structures engineer(s). The District Maintenance Engineer must be notified immediately of defect monitoring that occurs in the Project construction, whether or not the defects are considered an imminent risk to life, health, or safety of the travelling public. When defects, including but not limited to, structural cracks, are initially detected during bridge construction, the engineer of record, construction engineering inspector, design-build firm, or local agency that owns or is responsible for the bridge construction has the authority to immediately close the bridge to construction personnel and close the road underneath. The Construction Coordinator shall also ensure compliance with the DEPARTMENT Construction Project Administration Manual, Section 9.1.8 regarding actions for maintenance of traffic and safety concerns.
10. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this agreement shall become the property of the DEPARTMENT. Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest, or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Construction Coordinator's use, occupancy, or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to Chapter 163, Florida Statutes.
11. The Construction Coordinator shall perform all required testing associated with the design and construction of the Project. Testing results shall be made available to the DEPARTMENT upon request. The DEPARTMENT shall have the right to perform its own independent testing during the course of the Project.
12. The Construction Coordinator shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards, and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard, and local governmental entities.
13. The Construction Coordinator is responsible for the provision of Construction Engineering Inspection (CEI) services. The DEPARTMENT reserves the right to require the Construction Coordinator to hire a DEPARTMENT pre-qualified consultant firm that includes one individual that has completed the Advanced Maintenance of Traffic Level Training. Notwithstanding any provision of law to the contrary, design services and CEI services may not be performed by the same entity. Administration of the CEI staff shall be under the responsible charge of a State of Florida Licensed Professional Engineer who shall provide the certification that all design and construction for the Project meets the minimum construction standards established by DEPARTMENT. The DEPARTMENT shall have the right to approve the CEI firm. The DEPARTMENT shall have the right, but not the obligation, to perform independent assurance testing during the course of construction of the Project. Subject to the written approval of the DEPARTMENT, a local government agency may choose to satisfy the requirements set forth in this paragraph by either hiring a DEPARTMENT prequalified consultant firm or utilizing local government staff that meet the requirements of this paragraph, or a combination thereof.
14. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the Construction Coordinator. The Construction Coordinator shall bear all construction delay costs incurred by the DEPARTMENT.
15. All work and construction shall be completed within 365 days of the date of the last signature affixed to this agreement. If construction is not completed within this time, the DEPARTMENT may make a claim on the bond. The DEPARTMENT may terminate

Approved
2025-1-29-0006
Michael Lenhart
6/16/2026

this Agreement at any time, with or without cause and without DEPARTMENT liability to the Construction Coordinator, by providing sixty (60) days' prior written notice of termination to the Construction Coordinator.

16. The Construction Coordinator shall be responsible for maintaining and restoring all features that might require relocation within the DEPARTMENT right of way.
17. The Construction Coordinator will be responsible for clean up or restoration required to correct any environmental or health hazards that may result from construction operations.
18. Upon completion of construction, the Construction Coordinator will be required to submit to the DEPARTMENT final as-built plans and an engineering certification that construction was completed in accordance with the Plans. Prior to the termination of this Agreement, the Construction Coordinator shall remove its presence, including, but not limited to, all of the Construction Coordinator's property, machinery, and equipment from DEPARTMENT right of way and shall restore those portions of DEPARTMENT right of way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project.
19. If the DEPARTMENT determines that the Project is not completed in accordance with the Provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the Construction Coordinator. The Construction Coordinator shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the Construction Coordinator and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the Construction Coordinator fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the Construction Coordinator with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) file a claim against the payment and performance bond with the Surety for correction of the deficiency(ies) and completion of the contract; or 3) correct the deficiency(ies) at the Construction Coordinator's sole cost and expense, without DEPARTMENT liability to the Construction Coordinator for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the Construction Coordinator with an invoice for the costs incurred by the DEPARTMENT and the Construction Coordinator shall pay the invoice within thirty (30) days of the date of the invoice. If no payment is received within thirty (30) days from date of invoice submittal, the DEPARTMENT will file a claim against the bond for all expenses incurred, including services incidental to collecting losses.
20. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in amount and shall not exceed the limitations of liability for tort actions as set forth in Section 768.28(5), Florida Statutes.
21. All formal notices, proposed changes and determinations between the parties hereto and those required by this Agreement, including, but not limited to, changes to the notification addresses set forth below, shall be in writing and shall be sufficient if mailed by regular United States mail, postage prepaid, to the parties at the contact information listed below. Electronic means of communication shall be sufficient if emailed to the parties at the contact information listed below.
22. The Construction Coordinator shall not cause any liens or encumbrances to attach to any portion of DEPARTMENT right of way.
23. This Agreement shall be governed by the laws of the State of Florida in terms of interpretation and performance. Venue for any and all actions arising out of or in any way related to the interpretation, validity, performance or breach of this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Leon County, Florida.
24. The Construction Coordinator may not assign, pledge or transfer any of the rights, duties and obligations provided in this Agreement without the prior written consent of the DEPARTMENT'S District Secretary or his/her designee. The DEPARTMENT has the sole discretion and authority to grant or deny proposed assignments, with or without cause. Nothing herein shall prevent the Construction Coordinator from delegating its duties hereunder, but such delegation shall not release the Construction Coordinator from its obligation to perform this Agreement.
25. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations, or remedies upon any other person or entity except as expressly provided for herein.
26. This instrument, together with the attached exhibits and documents made part hereof by reference, contain the entire agreement of the parties and no representations or promises have been made except those that are specifically set out in this Agreement. All prior and contemporaneous conversations, negotiations, possible and alleged agreements and representations, covenants, and warranties with respect to the subject matter of this Agreement, and any part hereof, are waived, merged herein and superseded hereby.
27. By their signature below, the parties hereby acknowledge the receipt, adequacy and sufficiency of consideration provided in this Agreement and forever waive the right to object to or otherwise challenge the same.
28. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquishment in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.
29. No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.
30. If any section, paragraph, clause or provision of this Agreement is adjudged by a court, agency or authority of competent jurisdiction to be invalid, illegal or otherwise unenforceable, all remaining parts of this Agreement shall remain in full force and effect and the parties shall be bound thereby so long as principal purposes of this Agreement remain enforceable.
31. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement. Modifications to the Agreement shall be included in Appendix B.

2025-07-29 09:06
Michael Lenhart
6/16/2026

32. The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorneys' fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the DEPARTMENT'S right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the DEPARTMENT in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.
33. The Construction Coordinator shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Construction Coordinator during the term of the contract; and
34. The Construction Coordinator shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
35. The Construction Coordinator shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Coordinator in conjunction with this Agreement. Specifically, if the Construction Coordinator is acting on behalf of a public agency the Construction Coordinator shall:
 - A. Keep and maintain public records that ordinarily and necessarily would be required by the DEPARTMENT in order to perform the services being performed by the Construction Coordinator.
 - B. Provide the public with access to public records on the same terms and conditions that the DEPARTMENT would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
 - C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
 - D. Meet all requirements for retaining public records and transfer, at no cost, to the DEPARTMENT all public records in possession of the Construction Coordinator upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the DEPARTMENT in a format that is compatible with the information technology systems of the DEPARTMENT. Failure by the Construction Coordinator to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the DEPARTMENT. The Construction Coordinator shall promptly provide the DEPARTMENT with a copy of any request to inspect or copy public records in possession of the Construction Coordinator and shall promptly provide the DEPARTMENT a copy of the Construction Coordinator's response to each such request.

IF THE CONSTRUCTION COORDINATOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSTRUCTION COORDINATOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

Central Office
850-414-5355
COpccustodian@dot.state.fl.us
Office of the General Counsel
Florida Department of Transportation
605 Suwannee Street, MS 58
Tallahassee, FL 32399-0458

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026

CONSTRUCTION COORDINATOR CONTACT INFORMATION:

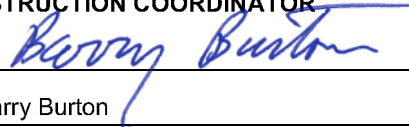
Name Susan Goebel-Canning Title Planning and Project Management Division Director
Office No. (727) 464-4052 ext. _____ Cell _____ Email sgoebelcanning@pinellas.gov
Address _____

DEPARTMENT CONTACT INFORMATION:

Name Michael J. Lenhart, P.E. Title Pinellas Operations Program Engineer
Office No. 727-575-8300 Cell _____ Email Michael.Lenhart@dot.state.fl.us
Address 5211 Ulmerton Road, Clearwater, FL 33760

IN WITNESS WHEREOF, Construction Coordinator and the DEPARTMENT have executed this Agreement for the purposes herein expressed on the dates indicated below.

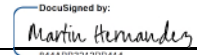
CONSTRUCTION COORDINATOR

By:  (Signature)
Barry Burton (Print Name)
County Administrator (Title)
May 12, 2026 (Date)

DEPARTMENT OF TRANSPORTATION

By:  (Signature)
Michael J. Lenhart, P.E. (Print Name)
Pinellas Operations Program Engineer (Title)
06/16/2026 | 8:35 AM EDT (Date)

Legal Review:



Approved
APPROVED AS TO FORM
By: Miles Belknap
Office of the County Attorney
2025-03-30-00006
Michael Lenhart
6/16/2026

APPENDIX "B" TO CONSTRUCTION AGREEMENT

THIS APPENDIX "B" TO CONSTRUCTION AGREEMENT is a part of, and shall be read in conjunction with, State of Florida, Department of Transportation (the "Department") Construction Agreement No. 2025-C-799-00006, entered into between the Department and Pinellas County, Florida (the "Construction Coordinator"). .

The following sections of the Construction Agreement are modified accordingly:

Section 10 modified as follows:

It is hereby agreed by the parties that this Agreement creates a permissive use only. Any improvements constructed within Pinellas County right of way shall be operated and maintained by the Construction Coordinator. Neither the granting of the permission to use the Department right of way nor the placing of facilities upon the Department property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest, or estate in Department right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of the Agreement including, but not limited to, the Construction Coordinator's use, occupancy, or possession of Department right of way. The parties agree that this Agreement does not and shall not be construed to grant credit for any future transportation concurrency requirements pursuant to Chapter 163, Florida Statutes.

Section 32 modified as follows:

Subject to the limitations set forth in Section 768.28, F.S., and preserving all privileges and immunities, the Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the Department and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorney's fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the Department's right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to the Agreement, where direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the Department or any of its officers, agents, or employees. The Construction Coordinator shall notify the Department in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The above-described indemnities assumed by the Construction Coordinator shall survive termination of this Agreement.

The Construction Coordinator agrees to include the following indemnification in all contracts with contractors/subcontractors, consultants/subconsultants, who perform work in accordance with this Agreement.

"The contractor/consultant shall defend, indemnify, save and hold harmless the Department, including its officers, agents and employees from all suits, actions, claims, demands/damages

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2025-C-799-00006
Michael Lenhart
6/16/2026

and liabilities of any nature whatsoever arising out of, or because of, or due to any negligent act or occurrence of omission or commission of the contractor/consultant, its officers, agents or employees."

CONSTRUCTION COORDINATOR CONTACT INFORMATION:

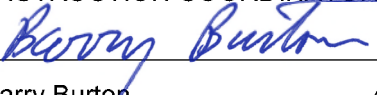
Name Susan Goebel-Canning Title Planning and Project Management Division Director
Office No. (727) 464-4052 Cell Email sgoebelcanning@pinellas.gov
Address 14 South Fort Harrison Avenue, Clearwater, Florida 33756

DEPARTMENT CONTACT INFORMATION:

Name Michael J. Lenhart P.E. Title Pinellas Operations Program Engineer
Office No. 727-575-8300 Cell Email Michael.Lenhart@dot.state.fl.us
Address 5211 Ulmerton Road, Clearwater, FL 33760

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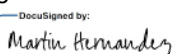
CONSTRUCTION COORDINATOR

By:  (Signature)
Barry Burton (Print Name)
County Administrator (Title)
May 12, 2026 (Date)

DEPARTMENT OF TRANSPORTATION

By:  (Signature)
Michael J. Lenhart P.E. (Print Name)
Pinellas Operations Program Engineer (Title)
06/16/2026 | 8:35 AM EDT (Date)

Legal Review:


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APPROVED AS TO FORM
By: Miles Belknap
Office of the County Attorney
Michael Lenhart
6/16/2026

APPENDIX "B" TO CONSTRUCTION AGREEMENT

THIS APPENDIX "B" TO CONSTRUCTION AGREEMENT is a part of, and shall be read in conjunction with, State of Florida, Department of Transportation (the "Department") Construction Agreement No. 2025-C-799-00006, entered into between the Department and Pinellas County, Florida (the "Construction Coordinator"). .

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The Construction Coordinator agrees to include the following indemnification in all contracts with contractors/subcontractors, consultants/subconsultants, who perform work in accordance with this Agreement.

"The contractor/consultant shall defend, indemnify, save and hold harmless the Department, including its officers, agents and employees from all suits, actions, claims, demands, damages

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2025-C-799-00006
Michael Lenhart
6/16/2026

and liabilities of any nature whatsoever arising out of, or because of, or due to any negligent act or occurrence of omission or commission of the contractor/consultant, its officers, agents or employees.”

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2025-C-799-00006
Michael Lenhart
6/16/2026

REQUIRED NOTIFICATIONS

TWO (2) BUSINESS DAYS BEFORE STARTING WORK:

PERMIT TYPE	WHO TO CONTACT	WHAT TO DO
All Permits and Agreements	FDOT One-Stop Permitting (OSP)	- Enter MOT Technician Information. - Click on either "48 Hour Request to Begin Work" or "2 Business Day Notice".
	FDOT Pinellas Operations Permits Asset Contractor	Call Webber at 727-573-7672 for inspections.
	Sunshine 811	Call Sunshine 811 for locates (other than roadway lighting).
	FDOT Regional Traffic Management Center (RTMC)	Call FDOT Regional Traffic Management Center at 813-615-8657 of the Exact Time Any Lane Closure Begins and a Second Notification When Lane Closure is Removed.
Utility Permits	Highway Lighting and ATMS Locates	Highway Lighting and ATMS are not part of the Sunshine 811 Locate System. Permittee is to Contact the Maintaining Agency/Organization for Highway Lighting and ATMS Locates.
As-Needed	FDOT Advanced Dynamic Message Sign (ADMS) Arterial Locates	Call FDOT SunGuide at 813-615-8613
Permits in Active FDOT Construction Project	FDOT Construction Office	Call Jeyson Arroyave at 727-744-9735 to Coordinate MOT and Work.

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2025-C-799-00006
Michael Lenhart
6/16/2026



FDOT CONSTRUCTION NOTES FOR DEVELOPMENT

1. When work is associated with roadway modifications and/or site development, Contractor is required to have a pre-construction meeting with the FDOT inspector two (2) weeks prior to any work in FDOT right-of-way.
2. All temporary pedestrian pathways must be firm and unyielding. No pedestrian pathway is to be removed, blocked, or disturbed without having a sufficient designated temporary pedestrian pathway with maintenance of traffic signs (FDOT Standard Index 102-660) in-place prior to pathway being affected.
3. The Permittee/EOR shall coordinate with FDOT inspector in advance of any concrete placed within FDOT right-of-way to ensure that the Inspector is onsite during any concrete placement operation.
4. Any curb and/or gutter that is reconstructed or installed within FDOT right-of-way shall meet minimum standards of FDOT Standard Index 520-001 (Curb and Gutter).
5. Any sidewalk fronting the property that is cracked, damaged, or unstable and is creating an ADA trip hazard must be replaced by section and meet the minimum standards of FDOT Standard Index 522-001 (Concrete Sidewalk) and 522-002 (Detectable Warnings and Curb Ramps).
6. Any flared driveway that is reconstructed or installed within FDOT right-of-way shall meet minimum standards of FDOT Standard Index 522-003 (Concrete Flared Driveways).
7. All non-structural concrete placed in the right-of-way shall be a minimum of 6 inches thick and meet the requirements of Section 347 of the FDOT Standard Specifications.
 - a. Provide delivery tickets with all required details as outlined in FDOT Standard Specification 347-4.1.
 - b. Concrete shall be placed and cured in a manner that meets FDOT Standard Specification requirements to achieve proper strength and durability characteristics.
8. Any curb or sidewalk damaged as a result of work performed by the Permittee or Contractor shall be removed and replaced per FDOT specifications.
9. Any sidewalk disturbed will be replaced by section within 72 hours to FDOT specifications.
10. All materials being placed in the FDOT right-of-way must be on the State's Approved Products List (non-proprietary).
11. All construction and/or maintenance in FDOT right-of-way shall conform to the FHWA Manual on Uniform Traffic Control Devices (MUTCD), FDOT Standard Plans for Road Construction, FDOT Standard Specifications for Road and Bridge Construction, FDOT Florida Design Manual, and the FDOT Drainage Manual.
12. No lane closure of any State roadway is allowed without 48-hour advance notice and approval from FDOT.
13. Lane closures must be limited to Sunday through Thursday, 9:00 pm to 5:30 am, unless otherwise approved by FDOT.
14. Lane closures need to accommodate for a bike lane if the roadway consists of a bike lane.
15. No work shall be performed during the week of any State or federal holiday unless otherwise approved by FDOT.
16. No work requiring lane or sidewalk closure shall be performed during Spring Break on SR 699 (Gulf Boulevard). Spring Break is identified as March 1 through the first Monday following Easter. During this time, lane and sidewalk closures on all State roadways that lead to SR 699 (Gulf Boulevard) will be restricted to night work, Sunday through Thursday, 9:00 pm to 5:30 am.
17. Open cutting of any roadway, driveway, or sidewalk outside those limits identified within the permit are not allowed without prior approval by FDOT.
18. Prior to the removal of any materials abutting the roadway shall be sawcut to prevent any damage to the roadway.

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026



19. Contractor shall provide the FDOT Inspector the principal point of contact individual who has authority to administer actions on behalf of the Permittee while activities impacting the right-of-way are taking place to include potential emergency issues.
20. No stockpiling, storing, or semi-permanent use of the right-of-way is authorized unless specifically identified within the permit or approved by FDOT in advance.
21. The permitted work schedule is defined as Monday through Friday, 7:00 am to 5:30 pm, unless otherwise noted within the permit. Any work desired outside of this period must be requested in advance and approved by FDOT before working the alternate schedule.
22. FDOT reserves the right to adjust any permitted method of installation, scope of work, and restoration that may be required to positively support life, safety, and environmental well-being of all users of the transportation system.
23. Roadway restoration shall utilize 100 PSI excavatable flowable fill material and asphalt placed within State right-of-way shall be placed full-depth, two (2) 2.5-inch lifts of SP 12.5 and two (2) 1.5-inch lifts of SP 9.5. Typical sections will need to be provided within the plans for the pavement placement. A stair step method should be incorporated, prior to placing asphalt, to avoid vertical joints. Milling of the patch may be required based on the patched surface performance. The milling shall be utilized for surface leveling to a thickness equal to or greater than the existing friction coarse material. The milling limits are 50-foot of the patch along the longitudinal path of the lane, full lane width, and include any adjacent bike lane, shared path, or urban shoulder section.
24. Any disruptions to a permeable pedestrian path or bike lane along SR 699 (Gulf Boulevard) are to be restored as work continues. All patches shall be full width from outside edge of pedestrian path to white line edge of travel lane with stair step (staggered) joints. Restoration to include backfill with existing sub-grade material and #57 stone as base material (compact in 6-inch lifts) to bottom of existing pervious asphalt base, followed by permeable design mix (if available) or FC-5 (Friction Course) mix with a minimum of two (2) 2-inch and a maximum of two (2) 3-inch lifts. Maintain ingress/egress on all driveways and side streets during construction.
25. If a Permittee is extending and/or connecting to an existing FDOT pipe, District Drainage will review if the pipe system addresses any increase in volume/loading as part of the new development. The new pipe, along with the connection, should be video inspected and provided to FDOT for review to confirm the connection is sufficient and that the existing pipe has not been damaged. FDOT specifications require video inspection of any new pipe 48 inches or less in diameter (Standard Specification 430-4.8 Pipe Inspection, 430-4.8.1 Video Report, and 430-4.8.2 Reinspection).
26. If a Permittee is connecting to an existing FDOT pipe, they will have to clean/desilt the area of the existing pipe they are connecting to so FDOT can ensure the connection was done properly. A proper pipe connection cannot be performed when existing pipe is silted up at the connection point.
27. Pipe culverts shown in the permit must meet FDOT specifications, type, size, and length as described in the permit. Each joint or length of pipe shall have FDOT stamps affixed verifying this approval. All concrete pipe joints other than 1-inch ring joints must be "diapered". All culverts are to be inspected by FDOT prior to placement of fill.
28. Permittee shall notify FDOT of the date of completion, request a final inspection, and request a notice of final acceptance.

***** END OF NOTES *****

Revised 03/10/2025

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026

Florida Department of Transportation

Stormwater Pollution Prevention



Background

The National Pollutant Discharge Elimination System (NPDES) is a stormwater permitting program managed by the Florida Department of Environmental Protection (FDEP) which regulates construction activities that disturb one or more acres of land. Projects less than one acre may be regulated if the activity is part of a larger common plan of development or sale that will exceed the one acre threshold. Disturbance includes clearing, grading, and excavating.

The NPDES program also regulates municipal storm sewer systems that serve highways, area roads, and streets in your neighborhood.

Construction Requirements for Regulated Activities

- Prepare and implement a Stormwater Pollution Prevention Plan (SWPPP)
- Obtain and abide by Department of Environmental Protection (DEP) Generic Permit for Construction Activities.

For more information regarding NPDES Generic Permits for Construction Activities, please visit:
<http://www.dep.state.fl.us/water/stormwater/npdes/construction1.htm>

To apply using the online FDEP Business Portal, please visit:
<http://www.fldepportal.com/go/apply-build/>

Contacts

To report **illicit discharges**, please contact the appropriate representative listed below:

Citrus County	Citrus County BOCC – Engineering	Primary: 352-527-5446
Hernando County	Hernando County Stormwater	Primary: 352-754-4062
Hillsborough County	Hillsborough County Environmental Protection Commission	Primary: 813-627-2600 Alternate: 813-744-5671
Pasco County	Pasco County Stormwater	Primary: 727-834-3611
Pinellas County	Pinellas County Environmental Management	Primary: 727-464-4187 Alternate: 727-464-4703
FDOT Right-of-Way	District Maintenance	Primary: 813-975-6639

Environmental Protection Agency (EPA) **Spill Response Hotline: 1-800-424-8802**

For EPA spill and environmental violation information, please visit:

<https://www.epa.gov/pesticide-incidents/report-spills-and-environmental-violations>

Preventing Illicit Discharges & Water Pollution

Illicit Discharges are point sources of discharge which negatively impact stormwater, which eventually drains into local natural water systems. The most effective way to eliminate these discharges is to dispose of pollutants correctly. Below are common examples:

- Yard clippings & leaves
- Fertilizers and herbicides
- Pet waste
- Trash
- Used motor oil / filters
- Antifreeze/transmission fluid
- Paint
- Solvent / degreaser
- Cooking Grease



For more information on the proper disposal of wastes contact FDEP at 813-470-5700

June 19, 2025

SUBJECT: Gulf Beach Water Booster Station Improvements – Updated FDOT Construction Agreement Submittal

To whom it may concern,

Pinellas County has requested an updated Construction Agreement to replace Construction Agreement 2024-C-799-00017 as the Constructor Coordinator listed on this agreement is not correct. Bob Cain, Consultant Permit Coordinator with FDOT District 7, recommended that we submit a new application to address this.

For the updated Construction Agreement, the Constructor Coordinator and signature provided by the County will be:

- Name: Barry Burton
- Title: County Administrator
- Office No.: (727) 464-3485
- Email: bburton@pinellas.gov
- Address: 315 Court Street, Clearwater, FL 33756

Please let me know if you have any questions, comments, or concerns.

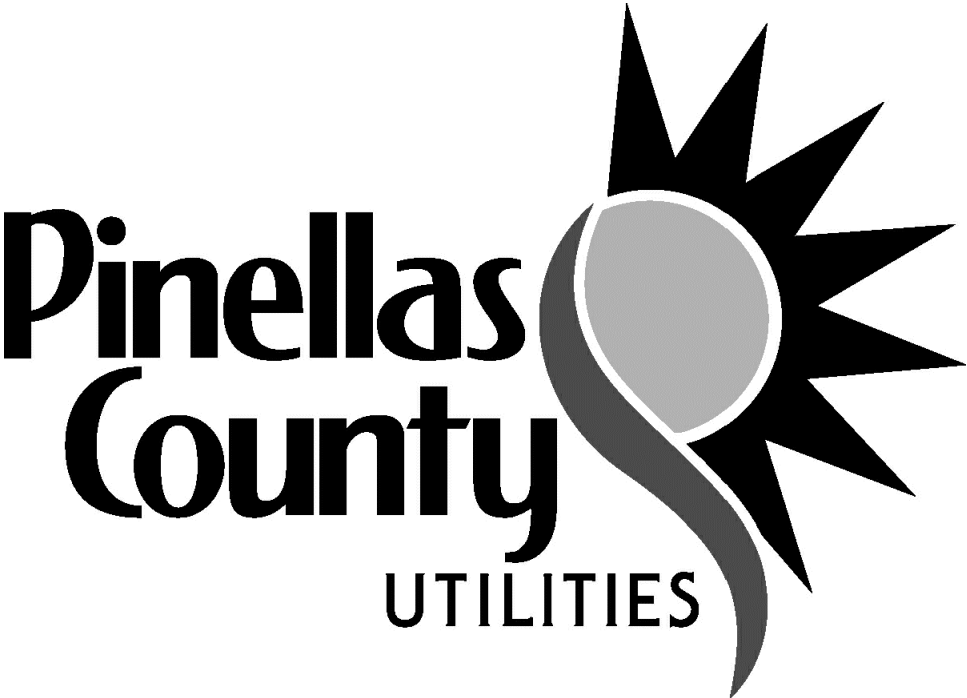
Sincerely,

WRIGHT-PIERCE



Michael K. Hoffman, PE
Lead Project Engineer
michael.hoffman@wright-pierce.com

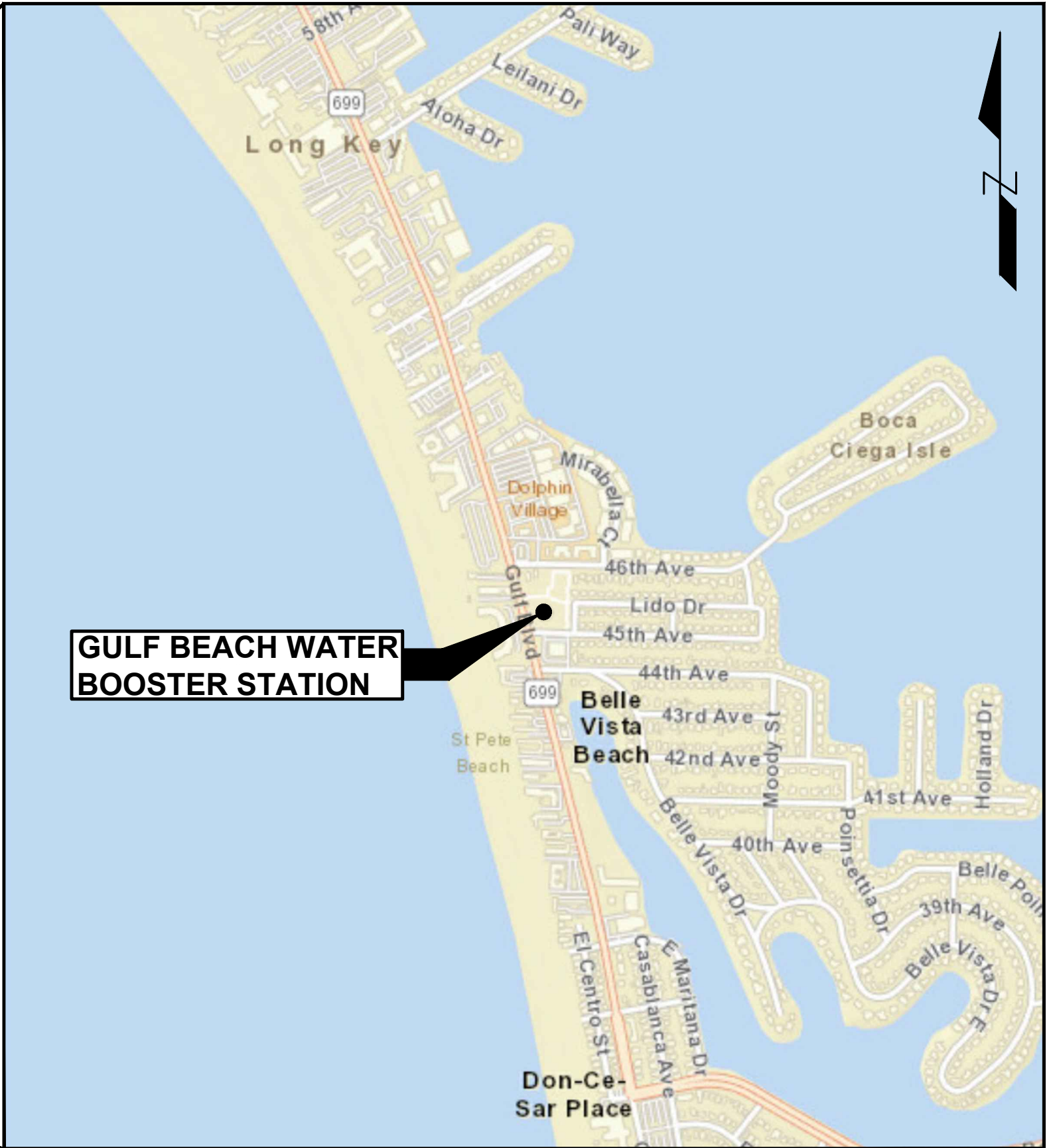
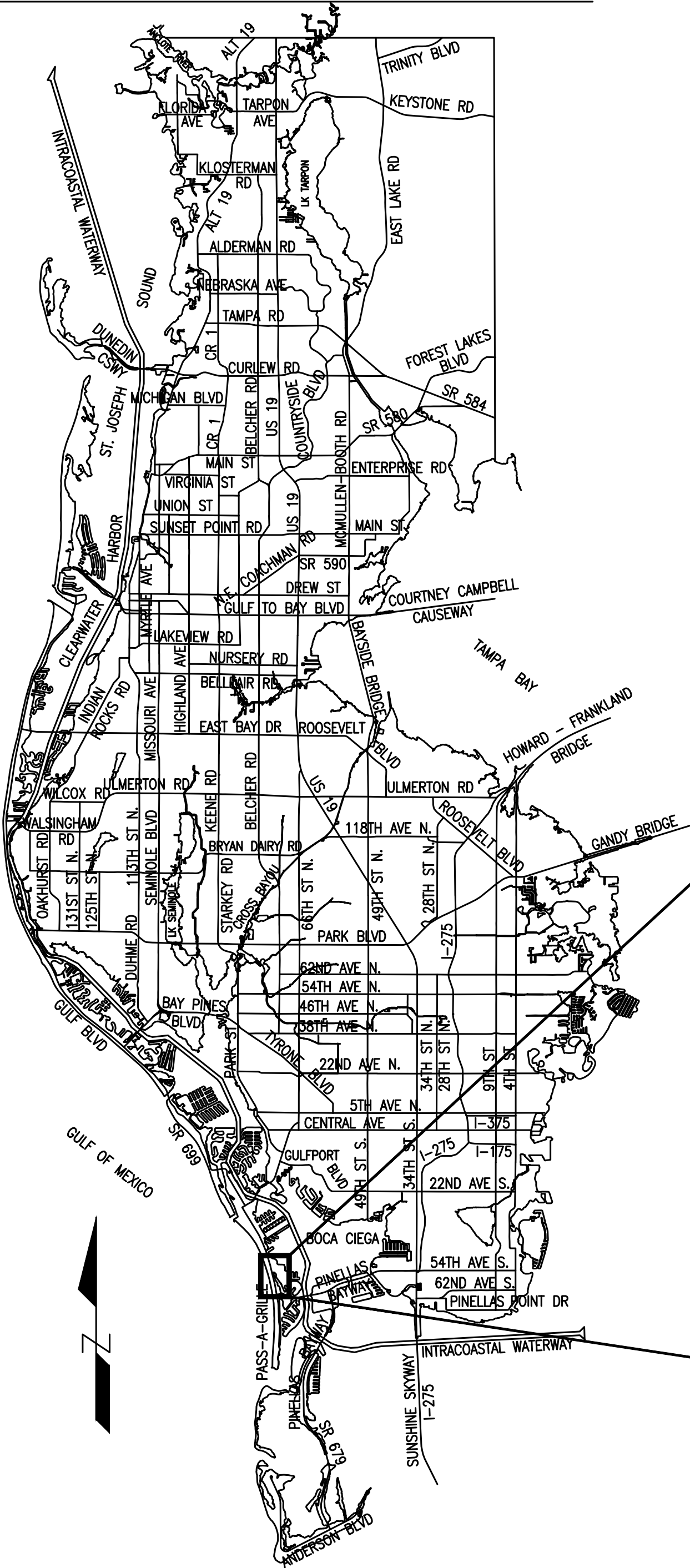
Approved
2025-C-799-00006
Michael Lenhart
6/16/2026



PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS

PINELLAS COUNTY
LOCATION MAP

PID 002150A



4501 GULF BOULEVARD
ST PETE BEACH, FLORIDA 33706

KEY MAP
NOT TO SCALE

4521 GULF BLVD (SR 699)
ROADWAY ID 15100000
BEGIN MILEPOST 0.775, END MILEPOST 0.813
FDOT ACCESS CLASSIFICATION 07
POSTED SPEED LIMIT 35 MPH
FDOT DRAINAGE PERMIT 2024-D-799-00005
FDOT CONSTRUCTION AGREEMENT 2024-C-799-00017
FDOT UTILITY PERMIT 2024-H-799-00261
FDOT UTILITY PERMIT 2025-H-799-00017
ST. PETE BEACH, FLORIDA

PERMIT APPLICATION NUMBERS:
FDEP 10-2 SELF CERTIFICATION 0450952001EG
FDOT DRAINAGE CONNECTION PERMIT 2024-D-799-00005
FDOT CONSTRUCTION AGREEMENT 2024-C-799-00017
FDOT UTILITY PERMIT 2024-H-799-00261
FDOT UTILITY PERMIT 2025-H-799-00017
CITY OF ST. PETE BEACH SITE PLAN #24028
CITY OF ST. PETE BEACH VARIANCE #24030

OWNER:

PINELLAS COUNTY UTILITIES
14 SOUTH FORT HARRISON AVE
CLEARWATER, FL 33756

PHONE: 727-464-4000

ZONING: ACTIVITY CENTER
FUTURE LAND USE: ACTIVITY CENTER

PREPARED BY:

WRIGHT-PIERCE, INC.
3820 NORTHDAL BOULEVARD, SUITE 202
TAMPA, FL 33624

PHONE: 800-422-1095

SUBMITTED FOR APPROVAL:

MICHAEL HOFFMAN, PE
WRIGHT-PIERCE, INC.

DATE

RECOMMENDED FOR APPROVAL:

Approved
2025-09-06
Michael Lonhart
6/16/2026

INDEX OF PLANS

[illegible]

PIPE SCHEDULE														
ABBREVIATION	DESCRIPTION / SERVICE	MATERIAL	INTERIOR PIPE LINING	PIPE SPECIFICATION SECTION	INSTALLATION (1)	JOINT SYSTEM	OPERATING PRESSURE (2)	TEST PRESSURE (3)	TEST SPECIFICATION SECTION	FIELD APPLIED COATING	PIPE COLOR CODE	INSULATION	ADDITIONAL NOTES	RESTRAINT NOTES
CD	CONDENSATE DRAIN	PVC	N/A	22 11 00	ANY	SOLVENT WELDED	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	YES	N/A	(R1)
CW	DOMESTIC COLD WATER	TYPE L COPPER	N/A	22 11 00	EXPOSED	SOLDERED	80 PSIG	125 PSIG	22 05 00 (PROCEDURE 1)	NO	DARK BLUE BANDS	YES	(A3), (A4)	(R1)
FOR	FUEL OIL RETURN	BLACK STEEL	N/A	23 12 00	EXPOSED	WELDED	< 10 PSIG	150 PSIG	23 12 00	YES	YELLOW	NO	N/A	(R1)
FOS	FUEL OIL SUPPLY	BLACK STEEL	N/A	23 12 00	EXPOSED	WELDED	< 10 PSIG	150 PSIG	23 12 00	YES	YELLOW	NO	N/A	(R1)
FOV	FUEL OIL VENT	BLACK STEEL	N/A	23 12 00	EXPOSED	WELDED	N/A	N/A	N/A	YES	YELLOW	NO	N/A	(R1)
FW	FINISHED WATER	DI	CEMENT	40 05 19	BURIED	PUSH-ON	80 PSIG	125 PSIG	40 05 00 (CLASS 1)	NO	DARK BLUE BANDS	NO	(A2), (A4)	(R1)
					EXPOSED	FLANGED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	YES	DARK BLUE	NO	(A2), (A4)	(R1)
HW	DOMESTIC HOT WATER	TYPE L COPPER	N/A	22 11 00	ANY	SOLDERED	80 PSIG	125 PSIG	22 05 00 (PROCEDURE 1)	NO	DARK BLUE BANDS	YES	(A3), (A4)	(R1)
HYP-1	SODIUM HYPOCHLORITE	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	YELLOW BANDS	NO	(A4)	(R1)
HYP-2	SODIUM HYPOCHLORITE	PFA TUBING	N/A	46 30 00	EXPOSED	COMPRESSION, THREADED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	YELLOW BANDS	NO	(A4)	(R1)
HYP-3	SODIUM HYPOCHLORITE CONTAINMENT	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	10 FT (MIN)	40 05 00 (CLASS 5)	NO	YELLOW BANDS	NO	N/A	(R1)
HYP-V	SODIUM HYPOCHLORITE VENT	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	N/A	N/A	NO	YELLOW BANDS	NO	(A4)	(R1)
HYP-OFL	SODIUM HYPOCHLORITE OVERFLOW	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	N/A	N/A	NO	YELLOW BANDS	NO	(A4)	(R1)
LAS-1	LIQUID AMMONIUM SULFATE	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	WHITE BANDS	NO	(A4)	(R1)
LAS-2	LIQUID AMMONIUM SULFATE	PFA TUBING	N/A	46 30 00	EXPOSED	COMPRESSION, THREADED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	WHITE BANDS	NO	(A4)	(R1)
LAS-3	LIQUID AMMONIUM SULFATE CONTAINMENT	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	10 FT (MIN)	40 05 00 (CLASS 5)	NO	WHITE BANDS	NO	N/A	(R1)
PWS-1	PLANT WATER SERVICE	PVC (SCH 80)	N/A	40 05 31.14	BURIED	SOLVENT WELDED	80 PSIG	125 PSIG	33 01 10.58	NO	DARK BLUE BANDS	NO	(A1), (A4)	(R1)
PWS-2	PLANT WATER SERVICE	BRASS	N/A	40 05 00	ANY	THREADED	80 PSIG	125 PSIG	33 01 10.58	YES	DARK BLUE	NO	(A1), (A4)	(R1)
S	SANITARY SEWER	PVC	N/A	33 05 31.11	BURIED	PUSH-ON	N/A	10 FT (MIN)	33 01 30.70	NO	GREEN	NO	N/A	N/A
SAM	SAMPLE	PVC	N/A	40 05 31.14	ANY	SOLVENT WELD	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	DARK BLUE BANDS	NO	(A2), (A4)	(R1)
SD	STORM DRAIN	RC	N/A	33 05 39.41	BURIED	BELL AND SPIGOT	N/A	N/A	N/A	NO	N/A	NO	N/A	N/A
SPD	SUMP PUMP DISCHARGE	PVC	N/A	22 11 00	EXPOSED	SOLVENT WELD	< 5 PSI	15 PSIG	22 05 00 (PROCEDURE 1)	NO	DARK GRAY BANDS	NO	N/A	(R1)
UD	UNDERDRAIN	HDPE	N/A	33 41 16.19	BURIED	BELL AND SPIGOT	N/A	N/A	N/A	NO	N/A	NO	N/A	N/A
V	SANITARY VENT	CI	N/A	22 11 00	BURIED	HUB AND SPIGOT	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	NO	N/A	(R1)
					EXPOSED	NO HUB	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	YES	N/A	(R1)
W	SANITARY WASTE	CI	N/A	22 11 00	BURIED	HUB AND SPIGOT	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	NO	N/A	(R1)
					EXPOSED	NO HUB	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	YES	N/A	(R1)

ABBREVIATIONS:

CI	CAST IRON
DI	DUCTILE IRON
FT	FEET
HDPE	HIGH DENSITY POLYETHYLENE
N/A	NOT APPLICABLE
PFA	PERFLUOROALKOXY
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
RC	REINFORCEDCONCRETE

NOTES:

- (1) BURIED INCLUDES PIPES BELOW GROUND AND BELOW THE TOP OF THE BUILDING AND GROUND STORAGE TANK FOUNDATIONS. EXPOSED INCLUDES PIPES ABOVE GROUND, ABOVE THE TOPS OF FOUNDATIONS, AND WITHIN VAULTS.
(2) THIS REPRESENTS THE NORMAL MAXIMUM OPERATING PRESSURE.
(3) IF A TEST PRESSURE IS NOT PROVIDED, USE THE TEST PRESSURE INDICATED IN THE SPECIFICATION REFERENCED IN THE TEST DETAIL COLUMN.

ADDITIONAL NOTES:

- (A1) DISINFECT PIPING PER SECTION 33 01 10.58.
(A2) DISINFECT PIPING PER SECTION 40 05 00.
(A3) DISINFECT PIPING PER SECTION 22 05 00 .
(A4) PIPE SHALL BEAR ANSI/NSF 61 STAMP OR LINING/PIPE SHALL MEET FLORIDA ADMINISTRATIVE CODE 62-555.320(3)(B).

RESTRAINT NOTES:

- (R1) RESTRAIN ALL JOINTS (FULLY RESTRAINED PIPING SYSTEM).
(R2) RESTRAIN ALL FITTINGS AND VALVES.
(R3) RESTRAIN IN ACCORDANCE WITH RESTRAINED JOINT SCHEDULE.

				DESIGNED C.BAGGETT		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: PIPE SCHEDULE, ABBREVIATIONS, AND NOTES	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	APPROVED BY: DATE	DATE: 09--2024 PROJECT NO. 002150A SHEET: 6-3
				DRAWN C.MERRICK						
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED						

GRAPHIC SYMBOLS:

	CENTERLINE
	CONTOUR LINE
	EXISTING TOPOGRAPHIC FEATURE
	SURFACE WATER/WETLAND BOUNDARY
	SURVEY REFERENCE LINE
	RIGHT-OF-WAY (EXISTING)
	RIGHT-OF-WAY LINE (PROPOSED)
	(EXISTING W/ ACQUISITION)
	PROPERTY OR DEED LINE
	EASEMENT LINE
	EASEMENT LINE (PROPOSED)
	(EXISTING W/ ACQUISITION)
	SECTION LINE
	ORIGINAL LOT LINE/FORMER OWNERSHIP LINE/ VACATED EASEMENTS
	TREE LINE
	FENCE LINE
	DRAINAGE (STORM DRAIN) PIPE
	EXISTING TOP OF BANK AND TOE OF SLOPE
	SANITARY SEWER GRAVITY LINE
	COMMUNICATION LINE
	UNDERGROUND ELECTRIC POWER LINE/CABLE
	TRAFFIC POWER/COMMUNICATION LINE
	FORCE MAIN (SANITARY SEWER)
	GAS LINE
	HOT OIL LINE
	OVERHEAD WIRE
	RECLAIMED WATER LINE
	POTABLE WATER
	UNKNOWN UTILITY

- FOUND CONCRETE MONUMENT

△

FOUND NAIL & DISC/CAP BRASS DISC

○

FOUND IRON ROD

○

FOUND IRON PIPE

▮

FOUND PINCH PIPE

■

SET CONCRETE MONUMENT

▲

SET NAIL & DISC/CAP BRASS DISC

●

SET IRON ROD

×

XCUT (FOUND)

×

XCUT (SET)
- ①

SUB PARCEL NO.

②

BLOCK NUMBER

00/00

PROPERTY APPRAISER PARCEL NUMBER

P###

PROPOSED PARCEL

+

MISCELLANEOUS

○

PROPOSED PUBLIC SEWER MANHOLE

⊗

ROAD ELEVATION POINTS

⊕

SATELLITE/ANTENNAE

├

SIGN

⊙

SPRINKLER HEAD

⊙

SPRINKLER HEAD VALVE

⊙

SURVEY LINE

⊙

TARGET

⊙

TEST PIT

⊙

TRAFFIC SIGNAL POLE

⊙

TRAFFIC SIGNAL PULL BOX

⊙

UNDERDRAIN BOX

⊙

UTILITY POLE

⊙

WATER METER

⊙

WATER VALVE

ABBREVIATIONS:

(C)	CALCULATED DATA	DWM	DRIVEWAY, MARL	L	LENGTH	S	SOUTH, SANITARY
(D)	MEASURED (IN FIELD)	DWS	DRIVEWAY, STONE	LBR	LIMEROCK BEARING RATIO	SCM	SET CONCRETE MONUMENT
(P)	PLAT DATA	E	EASTING	LF, L. F.	LINEAR FEET	SEC	SECTION, TOWNSHIP, RANGE
(R)	RECORD DATA	ECL	EROSION CONTROL LINE	LL	LANE LINE	SCH	SCHEDULE
AC	ARC LENGTH	ECMP	ELLIPTICAL CMP	LT	LEFT	SD	STORM DRAIN
AC	ACRES(S), ACTIVITY CENTER	ELEV	ELEVATION	MAX	MAXIMUM	SE	SOUTHEAST
ADA	AMERICANS WITH DISABILITIES ACT	EPA	EDGE OF PAVEMENT, ASPHALT	MES	MITERED END SECTION	SFN	SURVEY FILE NUMBER
ALUM	ALUMINUM	EPC	EDGE OF PAVEMENT, CONCRETE	MH	MANHOLE	SIR	SET IRON ROD
ASPH	ASPHALT	EQ	EQUATION	MHW	MEAN HIGH WATER	SNC	SET NAIL AND CAP
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	EQIP	EQUIPMENT	MIN	MINIMUM	SND	SET NAIL AND DISK
AUS	AUSTRALIAN	ERCP	ELLIPTICAL RCP	MLW	MEAN LOW WATER	SNS	SET NAIL AND SHINER
BC	BACK OF CURB	ERD	EDGE OF ROAD, DIRT	MNPT	MALE NATIONAL PIPE TAPERED	SDC	SET DRAINAGE CAP
BE	BURIED ELECTRICAL	ERG	EDGE OF ROAD, GRAVEL	MPH	MILES PER HOUR	SP	SUPERPAVE
BF	BLIND FLANGE	ERM	EDGE OF ROAD, MARL	MTLF	METAL FENCE	SPEC	SPECIFICATIONS
BFV	BUTTERFLY VALVE	ERSH	EDGE OF ROAD, SHELL	N	NORTHING	SPI	STANDARD PLANS INDEX
BLDG	BUILDING	ES	EXISTING STORM	NAVDB88	NORTH AMERICAN VERTICAL DATUM OF 1988	SPLWY	SPILLWAY
BM	BENCHMARK	ESMT	EASEMENT	NE	NORTHEAST	SQ	SQUARE
BDC	BOX CULVERT	ESS	EXISTING SANITARY SEWER	NFV	NOT FIELD VERIFIED	SR	STATE ROAD
BRG	BEARING	EV	EACH WAY	NGS	NATIONAL GEODETIC SURVEY	SR	SET RED CAP
BWF	BARBED WIRE FENCE	FAC	FLORIDA ADMINISTRATIVE CODE	NTS	NOT TO SCALE	SRL#	SURVEY REFERENCE LINE
C#	CURVE NUMBER	FCM	FOUND CONCRETE MONUMENT	NW	NORTHWEST	SRVT	SET RIVET
C/C	CENTER TO CENTER	FDC	FIRE DEPARTMENT CONNECTION	D/A	OVERALL	SR&D	SET RIVET AND DISK
CALC	CALCULATED	FDM	FDDT DESIGN MANUAL	DAK C	DAK CLUSTER	SST	STAINLESS STEEL
CB	CATCH BASIN	FFE	FINISHED FLOOR ELEVATION	DD	OUTSIDE DIAMETER	STA	STATION
CBS	CONCRETE BLOCK STRUCTURE	FIR	FOUND IRON ROD	DH(#)	OVERHEAD UTILITY (NUMBER OF LINES)	STD	STANDARD
CCR####	CERTIFIED CORNER RECORD NUMBER	FIP	FOUND IRON PIPE	DHW	ORDINARY HIGH WATER	STY	STORY
CCOL	COASTAL CONSTRUCTION CONTROL LINE	FL	FLOOR LINE	DR	OFFICIAL RECORD	SW	SOUTHWEST
C.F.R.	CODE OF FEDERAL REGULATIONS	FLG	FLANGE	D/S	OFFSET	SWBR	SIDEWALK, BRICK/PAVER
CH	CHORD	FM	FORCE MAIN	PALM C	PALM CLUSTER	SWJ	SOLVENT WELDED JOINT
CI	CAST IRON	FNC	FOUND NAIL AND CAP	PB	PLAT BOOK	SWLK	SIDEWALK
CIP	CAST IRON PIPE	FDEP	FLORIDA DEPT OF ENVIRONMENTAL PROTECTION	PC	POINT OF CURVATURE	SYC	SET YELLOW CAP
CL	CENTERLINE	FDDT	FLORIDA DEPT OF TRANSPORTATION	PCC	POINT OF COMPOUND CURVATURE	TB	TOP OF BANK
CLF	CHAIN LINK FENCE	FNDK	FOUND NAIL AND DISK	PCEd	PINELLAS COUNTY ENGINEERING DEPT	TBM	TEMPORARY BENCHMARK
CMP	CORRUGATED METAL PIPE	FND	FOUND	PCSD	PINELLAS COUNTY SURVEY DIVISION	TREE C	TREE CLUSTER
COMM	COMMUNICATIONS	FNPT	FEMALE NATIONAL PIPE TAPERED	PG	PAGE	TS	TOE OF SLOPE
CONC	CONCRETE	FNS	FOUND NAIL AND SHINER	PI	POINT OF INTERSECTION	TYP	TYPICAL
CONDD	CONDDMINIUM	FDC	FOUND DRAINAGE CAP	PID	PARCEL IDENTIFICATION NUMBER	UD	UNDERDRAIN
CONST	CONSTRUCTION	FDP	FOUND OPEN PIPE	PINE C	PINE CLUSTER	UDBX	UNDERDRAIN BOX
COR	CORNER	FPP	FOUND PINCHED PIPE	PLNTR	PLANTER	UNK	UNKNOWN
CORR	CORRUGATED	FRC	FOUND RED CAP	PLS	PROFESSIONAL LAND SURVEYOR	UP ####	UTILITY POLE NUMBER
CR	COUNTY ROAD	FRRS	FOUND RAILROAD SPIKE	POINT	POINT	USEPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CRL	CONSTRUCTION REFERENCE LINE	FRTV	FOUND RIVET	PDB	POINT OF BEGINNING	VCP	VITRIFIED CLAY PIPE
D	DELT/CENTRAL ANGLE	FS	FLORIDA STATUTES	PDC	POINT ON COMMENCEMENT	VVH	VERIFIED VERTICAL AND HORIZONTAL
DB	DEED BOOK	FW	FINISH WATER	PRC	POINT OF REVERSE CURVATURE	VDF	VWOOD FENCE
DBI	DITCH BOTTOM INLET	FXDL	FLEXIBLE DELINEATOR	PSM	PROFESSIONAL SURVEYOR AND MAPPER	W	WEST
DESC	DESCRIPTION	FY	FISCAL YEAR	PT	POINT OF TANGENCY	W/	WITH
DHW	DESIGN HIGH WATER	FYC	FOUND YELLOW CAP	PVC	POLYVINYL CHLORIDE	W/O	WITHOUT
DIA	DIAMETER	GALV	GALVANIZED	PVCF	POLYVINYL CHLORIDE FENCE	WM	WATER MAIN
DI	DUCTILE IRON	GNSS	GLOBAL NAVIGATION SATELLITE SYSTEM	R	RADIUS	XWLK	CROSS WALK
DIP	DUCTILE IRON PIPE	GPR	GROUND PENETRATING RADAR	RCP	REINFORCED CONC PIPE		
DR	DIAMETER RATIO	GRAIL	GUARD RAIL	RCW	RECLAIMED WATER		
DWA	DRIVEWAY, ASPHALT	HDPE	HIGH DENSITY POLYETHYLENE	REF	REFERENCE		
DWB	DRIVEWAY, BRICK	HW	HEADWALL	RLS	REGISTERED LAND SURVEYOR		
DWC	DRIVEWAY, CONCRETE	HWF	HOG WIRE FENCE	RPRP	RIPRAP		
DWD	DRIVEWAY, DIRT	ID	INNER DIAMETER	RR	RAILROAD		
DWG	DRAWING	IE	INVERT ELEVATION	RT	RIGHT		
DWGRVL	DRIVEWAY, GRAVEL	INV	INVERT	RTK	REAL TIME KINEMATIC		
DWGS	DRIVEWAY, GRASS	JB0X	JUNCTION BOX	R/W	RIGHT-OF-WAY		

	GROUND TARGET BENCHMARK		MISCELLANEOUS
	BACKFLOW PREVENTER		PROPOSED PUBLIC SEWER MANHOLE
	BENCHMARK		ROAD ELEVATION POINTS
	BUSH / SHRUB		SATELLITE/ANTENNAE
	BOLLARD		SIGN
	BORING		SPRINKLER HEAD
	CENTERLINE		SPRINKLER HEAD VALVE
	COMMUNICATIONS BOX		SURVEY LINE
	COMMUNICATIONS MANHOLE		TARGET
	DECIDUOUS TREE (OAK UNLESS OTHERWISE ANNOTATED)		TEST PIT
	DELTA ANGLE		TRAFFIC SIGNAL POLE
	DRAINAGE CLEAN OUT		TRAFFIC SIGNAL PULL BOX
	DRAINAGE MANHOLE		UNDERDRAIN BOX
	ELECTRICAL EQUIPMENT		UTILITY POLE
	ELECTRICAL OUTLET		WATER METER
	EVERGREEN TREE		WATER VALVE
	FIRE HYDRANT		
	GAS METER		
	GAS VALVE		
	GATE VALVE		
	GRATE INLET		
	GUY WIRE		
	HOSE BIBB		
	LIGHT POLE		
	MAILBOX		
	MONITOR WELL		
	PALM TREE		
	PEDESTRIAN SIGNAL		
	PEDESTRIAN SCALE LIGHTING		
	POLE/POST		
	POWER BOX		
	PROPERTY LINE		
	RECLAIMED WATER MANHOLE		
	RECLAIMED WATER METER		
	RECLAIMED WATER VALVE		
	SANITARY SEWER CLEANOUT		
	EXISTING SANITARY SEWER CLEANOUT		
	EXISTING PRIVATE SEWER MANHOLE		
	EXISTING PUBLIC SEWER MANHOLE		

				DESIGNED <u>M.HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: LEGEND AND ABBREVIATIONS	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN <u>D.METZ</u>						PROJECT NO. 002150A
				CHECKED <u>W.NICKEL</u>						SHEET: 002150A C-1
REV. NO.	DATE	DESCRIPTION	REV. BY							

J:\ENG\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CLV\P002150-GEN01.dwg, Jan 31, 2025 - 7:18am

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

J:\ENG\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CLV\F002150-GEN02.dwg, Jan 31, 2025 - 7:18am

GENERAL NOTES

1. THE OWNER WILL BE RESPONSIBLE FOR OBTAINING THE PERMITS LISTED IN THE SUPPLEMENTARY OR SPECIAL CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL OBTAINED PERMITS ARE AVAILABLE FOR REVIEW FROM THE OWNER. ALL OTHER PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. REFER TO THE SUPPLEMENTARY OR SPECIAL CONDITIONS FOR ANY RIGHTS-OF-WAY OR EASEMENTS THAT THE OWNER HAS OBTAINED FOR THIS PROJECT, IF ANY. THE CONTRACTOR MAY OBTAIN TEMPORARY EASEMENTS THAT IT DEEMS NECESSARY FOR EXECUTION OF THIS PROJECT (E.G., AN EASEMENT FOR OFF-SITE STORAGE OF MATERIALS, ETC.). THE CONTRACTOR SHALL INCLUDE THE COST OF ANY TEMPORARY EASEMENTS IN ITS BID. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF ANY EASEMENTS AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION.
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
4. CONTRACTOR SHALL COMPLY WITH THE COORDINATION REQUIREMENTS AND RELATED COSTS, IF ANY, AS SPECIFIED IN SPECIFICATION SECTION 01 31 13.

EXISTING SITE CONDITIONS

1. THE LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE BASED ON PREVIOUS CONSTRUCTION DESIGN PLANS AND SURVEY, WHICH ARE DIGITALLY AVAILABLE UPON REQUEST. NO GUARANTEE IS MADE THAT UTILITIES OR STRUCTURES WILL BE ENCOUNTERED WHERE SHOWN, OR THAT ALL UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN. ALL LOCATIONS AND SIZES OF EXISTING UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD WITH TEST PITS AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF NEW FACILITIES OR PIPING THAT MAY BE AFFECTED. THE CONTRACTOR WILL REALIGN NEW PIPE LOCATIONS AS REQUIRED TO CONFORM TO EXISTING LINES AND AS APPROVED BY THE ENGINEER.
2. BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY THE SURVEYOR. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE PRIOR TO COMMENCING WORK. REFER TO SPECIFICATION SECTION 01 31 13. ADDITIONAL TEST PITS, BEYOND THOSE SHOWN, MAY BE REQUIRED. UTILITY CONTACTS ARE AS FOLLOWS:

ELECTRIC: DUKE ENERGY-ST PETERSBURG DUKE'S CUSTOMER SERVICE CENTER (407) 629-1010	WATER/SEWER/RECLAIMED: PINELLAS COUNTY UTILITIES DENNIS SIMPSON (727) 464-4423
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SEWER/RECLAIMED: CITY OF ST PETE BEACH BRETT WARNER (407) 629-1010	CABLE/FIBER: CHARTER COMMUNICATIONS DUFFY MCCLELLAND (352) 527-2189
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CATV/COMM: FRONTIER COMMUNICATIONS TONI CANNON (813) 875-1014	FIBER/COMM: MCI INVESTIGATIONS TEAM (800) 624-9675 x2
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CONDUIT/FIBER/SIGNAL: PINELLAS COUNTY HWY/ENG JAMES JOHNSON (727) 464-8981	GAS: TECO PEOPLES GAS-ST PETERSBURG JOAN DOMNING (813) 275-3783
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FIBER: UNITI FIBER LLC CHARLIE CROFT (215) 214-7059	FIBER: ZAYO GROUP / FORMERLY LIGHTWAVE, LLC HENRY KLOBUCAR (406) 496-6510
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DIGSAFE: SUNSHINE 811 (800) 432-4770

3. THERE ARE NO KNOWN HAZARDOUS ENVIRONMENTAL CONDITIONS WITHIN THE AREA OF WORK. IF THE PRESENCE OF HAZARDOUS ENVIRONMENTAL CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER IMMEDIATELY. ALL ACTIVITIES, HANDLING AND DISPOSAL OF HAZARDOUS ENVIRONMENTAL CONDITIONS AND MATERIALS SHALL BE IN ACCORDANCE WITH OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS.

SITE DEMOLITION

1. A GREY CROSS HATCH HIGHLIGHTS AND REPRESENTS DEMOLITION ON AN ITEM(S) IN THE AREA ASSOCIATED WITH THE HATCH.
2. REFER TO THE EXISTING SITE PLAN, FOR ADDITIONAL INFORMATION REGARDING EXISTING FACILITIES. REFER TO THE LAYOUT DRAWING FOR LIMITS OF WORK.
3. REFER TO ARCHITECTURAL, STRUCTURAL, PROCESS, MECHANICAL, PLUMBING, INSTRUMENTATION AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION REGARDING DEMOLITION AND REMOVAL.
4. REFER TO SPECIFICATION SECTION 01 11 01, WHICH CONTAINS INFORMATION ON CONSTRAINTS OF CONSTRUCTION SEQUENCING.
5. DEMOLISH/REMOVE EXISTING PIPING AS REQUIRED FOR CONSTRUCTION OF NEW FACILITIES. ALL PIPING, EQUIPMENT AND MATERIALS TO BE DEMOLISHED AND/OR REMOVED FROM SERVICE SHALL BE COORDINATED WITH THE OWNER AND ENGINEER BEFORE COMMENCING THAT WORK. EXISTING PIPING THAT NEEDS TO BE REMOVED TO CONSTRUCT THE NEW FACILITIES, BUT IS TO REMAIN, SHALL BE REINSTALLED/REPLACED AS NEEDED. EXISTING PIPES AND CONDUIT DESIGNATED AS "ABANDONED" MAY BE REMOVED IF THE CONTRACTOR SO CHOOSES. IF ABANDONED PIPE CONFLICTS WITH NEW SITE PIPING OR FACILITIES, THEN A PORTION OF THE ABANDONED PIPE SHALL BE REMOVED, AND THE NEW ENDS OF ABANDONED PIPE CAPPED OR PLUGGED WITH CONCRETE.
6. ALL EXISTING PIPING AND UTILITIES WHICH ARE BENEATH PROPOSED STRUCTURES, AND ARE TO BE ABANDONED, SHALL BE REMOVED TO A MINIMUM OF 5- FEET OUTSIDE OF THE STRUCTURE. PIPE AND UTILITIES BENEATH PROPOSED STRUCTURES THAT ARE TO REMAIN SHALL BE CONCRETE ENCASED, UNLESS OTHERWISE INDICATED. REFER TO THE STRUCTURAL DRAWINGS FOR DETAILS.
7. SEVERING OF EXISTING UTILITIES FOR ABANDONMENT, OR REMOVAL OF A SEGMENT FROM SERVICE, SHALL BE PERFORMED IN SUCH A MANNER AS TO ALLOW THE REMAINING ACTIVE SEGMENT TO CONTINUE IN ITS INTENDED SERVICE. CAP ACTIVE SEGMENTS WITH APPROPRIATE FITTINGS, JOINT RESTRAINT, ETC. TO ENSURE THEIR INTEGRITY. PLUG ENDS OF ABANDONED PIPE SEGMENTS WITH CONCRETE UNLESS SPECIAL CIRCUMSTANCES DICTATE PLUGGING ABANDONED PIPES WITH BLIND FLANGES, RESTRAINED MECHANICAL JOINT PLUGS, ETC. AS APPROPRIATE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL DEMOLISHED PIPING, EQUIPMENT AND MATERIALS. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS. THE OWNER RESERVES THE RIGHT TO RETAIN ANY SUCH PIPING, EQUIPMENT AND MATERIALS DESIGNATED FOR DEMOLITION. SUCH MATERIALS TO BE RETAINED SHALL BE PROPERLY STORED IN AN ON-SITE LOCATION. COORDINATE LOCATION AND MATERIALS TO BE SALVAGED WITH THE OWNER/ENGINEER. REFER TO SPECIFICATION SECTION 02 41 00.
9. THE CONTRACTOR SHALL KEEP A RECORD OF DEMOLITION AS PART OF THE PROJECT RECORD DOCUMENTS IN ACCORDANCE WITH SPECIFICATION SECTION 01 78 39.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE THAT ALL PROCESS FLOWS ARE MAINTAINED DURING CONSTRUCTION. GRAVITY OR PUMPED BYPASSES AND OTHER MEANS OF MAINTAINING FLOW SHALL BE SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER. THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY STOPPAGES OR BYPASSES WITH THE OWNER AND ENGINEER. FEDERAL AND STATE REGULATIONS REQUIRE THAT THE TREATMENT FACILITY REMAIN IN OPERATION (ALL TREATMENT, DISINFECTION, SLUDGE HANDLING AND DISPOSAL PROCESSES) THROUGHOUT CONSTRUCTION, AND THAT DISCHARGE PERMITS ARE MET. REFER TO SPECIFICATION SECTION 01 11 01.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF FLOWS RESULTING FROM PRECIPITATION AND GROUNDWATER DEWATERING OPERATIONS.

SITE CLEARING, GRUBBING AND GRADING

1. STRIPPING OF TOPSOIL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 31 14 00. REFER TO THE LAYOUT AND GRADING DRAWINGS FOR LIMIT OF WORK AND STRIPPING.
2. CONTRACTOR SHALL MINIMIZE CLEARING OPERATIONS. CLEARING AND GRUBBING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 31 11 00. CLEARING LIMITS SHALL BE AS INDICATED ON THE DRAWINGS, BUT AT ALL TIMES WITHIN EXISTING ROAD RIGHTS OF WAY AND PROPERTY LINES ON STATE OR COUNTY OWNED PROPERTY OR EASEMENTS. ALL CLEARING AND GRUBBING MATERIAL SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AT A SITE PROVIDED BY THE CONTRACTOR IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS.
3. CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINE SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING. PRIOR TO BEGINNING EXCAVATION WORK, EROSION CONTROL FENCE SHALL BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE ACTUAL LIMITS OF GRUBBING AND/OR GRADING, AND AS SHOWN ON THE DRAWINGS. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM. CONTRACTOR SHALL TAKE ALL OTHER NECESSARY MEASURES. EROSION CONTROL FENCE SHALL ALSO BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE TOPSOIL STOCKPILES. ALL DISTURBED EARTH SURFACES SHALL BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL SHALL BE STABILIZED IN A MANNER THAT WILL MINIMIZE EROSION. ALL INSTALLED EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE END OF THE PROJECT. REFER TO SPECIFICATION SECTION 31 25 00.
4. ALL STORM DRAINAGE INLETS SHALL BE PROTECTED TO PREVENT ENTRY OF SEDIMENT FROM RUNOFF WATERS DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL COLLECTED SEDIMENT, AND THAT WHICH COLLECTS IN THE STORM DRAIN SYSTEM. REFER TO THE CIVIL DETAIL DRAWINGS.
5. THE GEOTECHNICAL DATA REPORT FOR THE PROJECT SITE IS INCLUDED IN APPENDIX A OF THE SPECIFICATIONS.
6. CONTRACTOR SHALL CONTROL DUST ON THE CONSTRUCTION SITE TO A REASONABLE LIMIT, AS DETERMINED BY THE ENGINEER, AND AS OUTLINED IN SPECIFICATION SECTION 01 57 26.
7. CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS AND PLANT DRIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN UP.
8. ALL CATCH BASINS, MANHOLES, VALVE PITS, VALVE BOXES AND OTHER BURIED FACILITIES WITH SURFACE ACCESS SHALL BE ADJUSTED TO MATCH FINAL GRADES, UNLESS OTHERWISE INDICATED.
9. THE CONTRACTOR SHALL NOT HAVE ANY RIGHT OF PROPERTY IN ANY MATERIALS TAKEN FROM ANY EXCAVATION. SUITABLE EXCAVATED MATERIAL MAY BE INCORPORATED IN THE PROJECT, WITH EXCESS MATERIAL DISPOSED OF AT A LOCATION PROVIDED BY THE CONTRACTOR. THESE PROVISIONS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF OBLIGATIONS TO PROPERLY DISPOSE OF AND REPLACE ANY MATERIAL DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE AND EXCESS MATERIAL IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CONTRACT DOCUMENTS.
10. CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL CURBS, SIDEWALKS, PAVEMENT AND OTHER ITEMS DAMAGED BY CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, TO THE SATISFACTION OF THE OWNER AND ENGINEER.
11. ALL NON-PAVED AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE SODDED, UNLESS OTHERWISE NOTED. REFER TO SPECIFICATION SECTION 32 92 19, THE LANDSCAPE PLAN, AND THE LANDSCAPE DETAILS.

CIVIL SITE LAYOUT

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PROVIDED LAYOUT INFORMATION THROUGHOUT THE COURSE OF CONSTRUCTION. REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
2. REFER TO THE SITE PIPING AND SITE GRADING DRAWINGS FOR ADDITIONAL LAYOUT INFORMATION.
3. CONTRACTOR SHALL EXCAVATE TEST PITS, WHERE NECESSARY, PRIOR TO CONSTRUCTION LAYOUT AND RESULTS REPORTED TO THE ENGINEER FOR REVIEW FOR CONFORMANCE TO THE PLANS. TEST PITS ARE REQUIRED WHERE SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
4. IN GENERAL, THE GIVEN STRUCTURE LOCATIONS ARE TO THE OUTSIDE FACE OF THE STRUCTURE FOUNDATION WALL, NOT FOOTINGS. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING AND STRUCTURE DIMENSIONS. RADII SHOWN FOR ROADS ARE TO EDGE OF PAVEMENT.
5. PLACE CRUSHED STONE MOWING STRIP AROUND THOSE STRUCTURES AS INDICATED ON THE DRAWINGS. REFER TO THE CIVIL DETAIL DRAWINGS.
6. THE LOCATIONS AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO, THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT ACTIVITIES TO THESE AREAS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTNG ALL EXISTING PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION. THIS WORK SHALL BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA, AT NO ADDITIONAL COST TO THE OWNER.
8. WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWINGS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
9. BOLLARD LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE BOLLARD LOCATIONS WITH THE ENGINEER. REFER TO THE CIVIL DETAIL DRAWINGS.
10. ALL ELEVATIONS REFER TO THE NAVD88 DATUM. HORIZONTAL POSITIONS FOR ALL FEATURES ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983/2011 ADJUSTMENT, ZONE 902, FLORIDA WEST. HORIZONTAL CONTROL WAS ESTABLISHED USING THE FDOT FLORIDA PERMANENT REFERENCE NETWORK, A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM. ALL TOPOGRAPHIC FEATURES WERE COLLECTED CONVENTIONALLY FROM CONTROL POINTS ELEVATED FROM A CLOSED LOOP BENCH RUN FROM NATIONAL GEODETIC SURVEY POINT "NOAA D". CONTRACTOR SHALL VERIFY BENCHMARK ELEVATIONS PRIOR TO USING IN CONSTRUCTION.

11. EXISTING CONDITIONS SITE PLAN DEVELOPED FROM SURVEY DRAWING PREPARED BY ECHO UES, INC, DATED 3/25/2024, AND EXISTING RECORD DRAWING INFORMATION.

CIVIL SITE PIPING

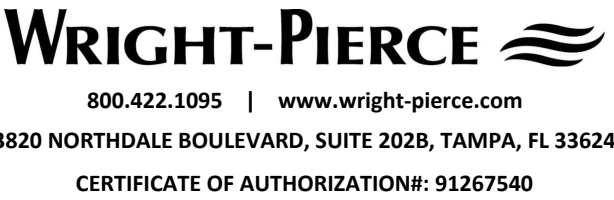
1. PROCESS FLOW DIAGRAM AND PIPING LEGEND ARE ON THE PROCESS DRAWINGS. THE PROCESS PIPING SCHEDULE AND ADDITIONAL PIPING NOTES ARE LOCATED IN SPECIFICATION SECTION 40 05 00.
2. ALL PIPE LINES SHALL SLOPE UNIFORMLY BETWEEN ELEVATIONS INDICATED ON THE DRAWNGS. NO CRESTS IN PIPING WILL BE PERMITTED. CONCRETE THRUST BLOCKS OR OTHER ACCEPTABLE RESTRAINT SYSTEM IS REQUIRED ON ALL FITTINGS ON PRESSURE PIPE. WHERE A RESTRAINED JOINT SYSTEM IS USED, THE NUMBER OF PIPES WITH RESTRAINED JOINTS ON EITHER SIDE OF THE FITTING SHALL BE DESIGNED TO REFLECT THE PROJECT SOIL CONDITIONS AND PEAK SURGE PRESSURE IN THE PIPING SYSTEM. SEE THE CIVIL DETAIL DRAWINGS FOR THRUST BLOCK DETAILS. PROVIDE ALL BENDS (HORIZONTAL AND VERTICAL) AS REQUIRED TO MEET THE GRADES AND ALIGNMENT INDICATED ON THE DRAWNGS.
3. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING PIPING AND UTILITIES IN THE FIELD BY TEST PIT EXCAVATION PRIOR TO COMMENCING INSTALLATION OF ANY OF THE NEW PIPING AFFECTED. WHERE NEW PIPE CONNECTS TO EXISTING PIPING OR STRUCTURAL PENETRATION, CONTRACTOR SHALL VERIFY ELEVATION BY TEST PIT, AS REQUIRED, PRIOR TO INSTALLATION OF ANY OF THE ASSOCIATED/AFFECTED NEW PIPING. IDENTIFIED CONFLICTS WITH EXISTING PIPING AND UTILITIES WILL BE REVIEWED WITH THE ENGINEER PRIOR TO COMMENCING INSTALLATION. THE HORIZONTAL ALIGNMENT OF NEW PIPING MAY BE ADJUSTED IN THE FIELD SUBJECT TO PRIOR REVIEW AND ACCEPTANCE OF THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF ALL PROPOSED WORK AS SHOWN ON THE DRAWNGS AND REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
4. ALL WASTEWATER PIPING (EXCLUDING BUILDING DRAINS) AND ALL PRESSURIZED PIPES (I.E. PLANT WATER, CITY WATER, SOLUTION LINES, HEAT, ETC.) INSTALLED BENEATH STRUCTURES SHALL BE ENCASED IN CONCRETE. SEE STRUCTURAL DRAWING FOR DETAILS.
5. ALL BURIED CONNECTIONS TO STRUCTURES SHALL HAVE SLEEVE TYPE FLEXIBLE CONNECTIONS APPROXIMATELY 4--FEET FROM THE STRUCTURES. ALL SLEEVE TYPE COUPLINGS ON PRESSURE LINES SHALL BE RESTRAINED (SOLID SLEEVE). REFER TO SPECIFICATION SECTION 40 05 06.
6. PROVIDE CAST OR DUCTILE IRON WALL CASTINGS, OR GALVANIZED STEEL PIPE SLEEVES, FOR ALL PIPE PENETRATIONS MADE THROUGH CONCRETE FOUNDATIONS, WALLS AND SLABS. ALL WALL SLEEVES AND WALL CASTINGS SHALL HAVE WATERSTOPS. SEE PROCESS, MECHANICAL AND STRUCTURAL DRAWINGS FOR LOCATIONS OF PENETRATIONS. NEW PENETRATIONS THROUGH EXISTING STRUCTURE WALLS SHALL BE BY CORING MACHINE AND LINK-TYPE SEALS, UNLESS OTHERWISE INDICATED. OPENINGS TO BE COMPATIBLE WITH REQUIRED PIPING AND STANDARD LINK SEAL SIZES. SEE PROCESS DETAIL DRAWINGS. REFER TO SPECIFICATION SECTION 40 05 09.
7. MANHOLES ARE 4--FEET IN DIAMETER UNLESS OTHERWISE NOTED. THE TOP OF MANHOLE FRAMES SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE NOTED ON DRAWINGS. SEWER MANHOLE INVERTS SHOWN ON THE DRAWINGS ARE TO THE INSIDE FACE OF THE MANHOLE.
8. PIPES WITHIN VALVE PITS (MANHOLES) SHALL BE SUPPORTED 12--INCHES ABOVE BOTTOM OF MANHOLE ON ADJUSTABLE PIPE SADDLE SUPPORTS, IN ACCORDANCE WITH SPECIFICATION SECTION 40 05 10, UNLESS OTHERWISE INDICATED.
9. CONTRACTOR SHALL RE-SHAPE INVERTS AS REQUIRED WHEN CONNECTING INTO EXISTING MANHOLES.
10. REFER TO SPECIFICATION SECTION 31 23 00 FOR PIPE AND STRUCTURE BEDDING AND BACKFILL REQUIREMENTS.
11. COMPACTION TESTS WILL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION SECTION 31 23 00. ANY SETTLEMENT OCCURRING WITHIN ONE-YEAR OF FINAL COMPLETION OF THE WORK SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
12. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTICE TO THE RESPECTIVE UTILITY POLE OWNER. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.
13. WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION. CONTRACTOR SHALL VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION. TEST PITS SHALL BE USED AS REQUIRED.
14. ALL EXISTING UTILITIES ENCOUNTED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED ON THE CIVIL EXISTING CONDITIONS AND DEMOLITION PLAN. ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION MATERIALS IN ACCORDANCE WITH SPECIFICATION SECTION 02 41 00.
16. WHENEVER SEWER AND WATER MAINS MUST CROSS, WATER LINES SHOULD BE INSTALLED ABOVE WASTEWATER OR SLUDGE LINES. A MINIMUM SEPARATION OF 18--INCHES BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE WASTEWATER OR SLUDGE LINE SHALL BE MAINTAINED. WHERE A WATER LINE CROSSES UNDER A WASTEWATER OR SLUDGE LINE, A FULL LENGTH OF PIPE SHALL BE CENTERED ABOVE THE WATER LINE SO THAT BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE.
17. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO ANY TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. DAMAGE TO ANY SUCH STRUCTURES CAUSED BY OR RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE OWNER.
18. PIPING ON THE SITE PIPING PLAN HAS BEEN SHOWN BROKEN FOR CLARITY ONLY. PIPE BREAKS DO NOT INDICATE RELATIVE ELEVATIONS OF PIPING.
19. ELECTRICAL CONDUIT RUNS ARE INDICATED ON THE ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION, EXCAVATION AND BACKFILLING REQUIRED FOR THE ELECTRICAL CONDUITS, AND SHALL FURNISH AND INSTALL ELECTRICAL MANHOLES AND HANDHOLES. COORDINATE THE LOCATION OF THE ELECTRICAL MANHOLES AND HANDHOLES, AND THE REQUIRED OPENING SIZES, WITH THE ELECTRICAL CONTRACTOR.
20. WHENEVER PROPOSED STRUCTURES ARE LOCATED PARTLY WITHN A PAVED AREA AND PARTLY IN A NON-PAVED AREA, A BITUMINOUS CONCRETE PAVED APRON 2--FEET WIDE SHALL BE SUPPLIED AROUND THE PROPOSED COVER. PAVEMENT SHALL SLOPE AWAY FROM THE COVER.

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	M.HOFFMAN
DRAWN	D.METZ
CHECKED	W.NICKEL



PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: GENERAL NOTES I
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DATE: 01-2025
PROJECT NO. 002150A
SHEET: C-2

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J:\ENG\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\F002150-GEN03.dwg, Jan 31, 2025 - 7:18am

- GULF BOULEVARD RIGHT OF WAY
- ALL DISTURBED AREAS IN THE GULF BOULEVARD RIGHT OF WAY SHALL BE SODDED.
 - ALL WORK PERFORMED WITHIN THE DEPARTMENT'S RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT EDITION OF THE FOLLOWING PUBLICATIONS:
 - FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - FDOT STANDARD PLANS FOR ROAD CONSTRUCTION
 - FLORIDA DESIGN MANUAL (FDM)
 - FDOT FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION (FPDM)
 - SIDEWALK WITHIN THE GULF BOULEVARD RIGHT OF WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX 522-001. DETECTABLE WARNINGS AND CURB RAMPS WITHIN THE GULF BOULEVARD RIGHT OF WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX 522-002.
 - MAINTENANCE OF TRAFFIC WITHIN THE GULF BOULEVARD RIGHT OF WAY SHALL BE PERFORMED IN ACCORDANCE WITH FDOT STANDARD PLAN INDICES 102-601, 102-602, AND 102-660.
 - FDOT STANDARD PLANS CAN BE FOUND ON [HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS/](https://www.fdot.gov/design/standardplans/) AND FDOT STANDARD SPECIFICATIONS CAN BE FOUND ON: [HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/DEFAULT.SHTM](https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm)
 - FOR WORK WITHIN FDOT RIGHT-OF-WAY, THE CONTRACTOR SHALL PROVIDE A TEMPORARY TRAFFIC CONTROL PLAN PREPARED UNDER THE DIRECTION OF, AND SIGNED AND SEALED BY, A LICENSED FLORIDA PROFESSIONAL ENGINEER WHO IS EXPERIENCED IN PREPARING TRAFFIC CONTROL PLANS AND WHO IS CERTIFIED PER FDOT PROCEDURE, TOPIC NO. 625-010-010.
 - FOR WORK WITHIN FDOT RIGHT-OF-WAY, THE FDOT REQUIRES DOCUMENTATION FOR SUCCESSFUL COMPLETION OF AN APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE FOR THE AGENCY, UTILITY, OR CONTRACTOR EMPLOYEE(S) DESIGNING, INSTALLING, AND/OR MAINTAINING THE APPROVED MAINTENANCE OF TRAFFIC PLAN IN ACCORDANCE WITH DEPARTMENT PROCEDURE, TOPIC NO. 625-010-010.
 - ALL TEMPORARY TRAFFIC CONTROL DEVICES FOR THE FOLLOWING FACILITIES SHALL BE DESIGNED AND INSTALLED TO MEET THE EXISTING POSTED SPEEDS AS STATED FOR ALL TRAFFIC CONTROL PHASES: (SR 699 - 35 MPH).
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT A MINIMUM 14 DAYS IN ADVANCE OF ANY LANE CLOSURES WITH LANE CLOSURE ANALYSIS IN ACCORDANCE WITH THE FLORIDA DESIGN MANUAL (FDM) SECTION 241.
 - CONTRACTOR SHALL COMPLY WITH OSHA'S STANDARDS 29 CFR PART 1926, SUBPART CC FOR VERTICAL AND HORIZONTAL CLEARANCES TO THE OVERHEAD DISTRIBUTION AND TRANSMISSION POWER LINES.FDOT CONSTRUCTION NOTES FOR DEVELOPMENT

FDOT CONSTRUCTION NOTES FOR DEVELOPMENT

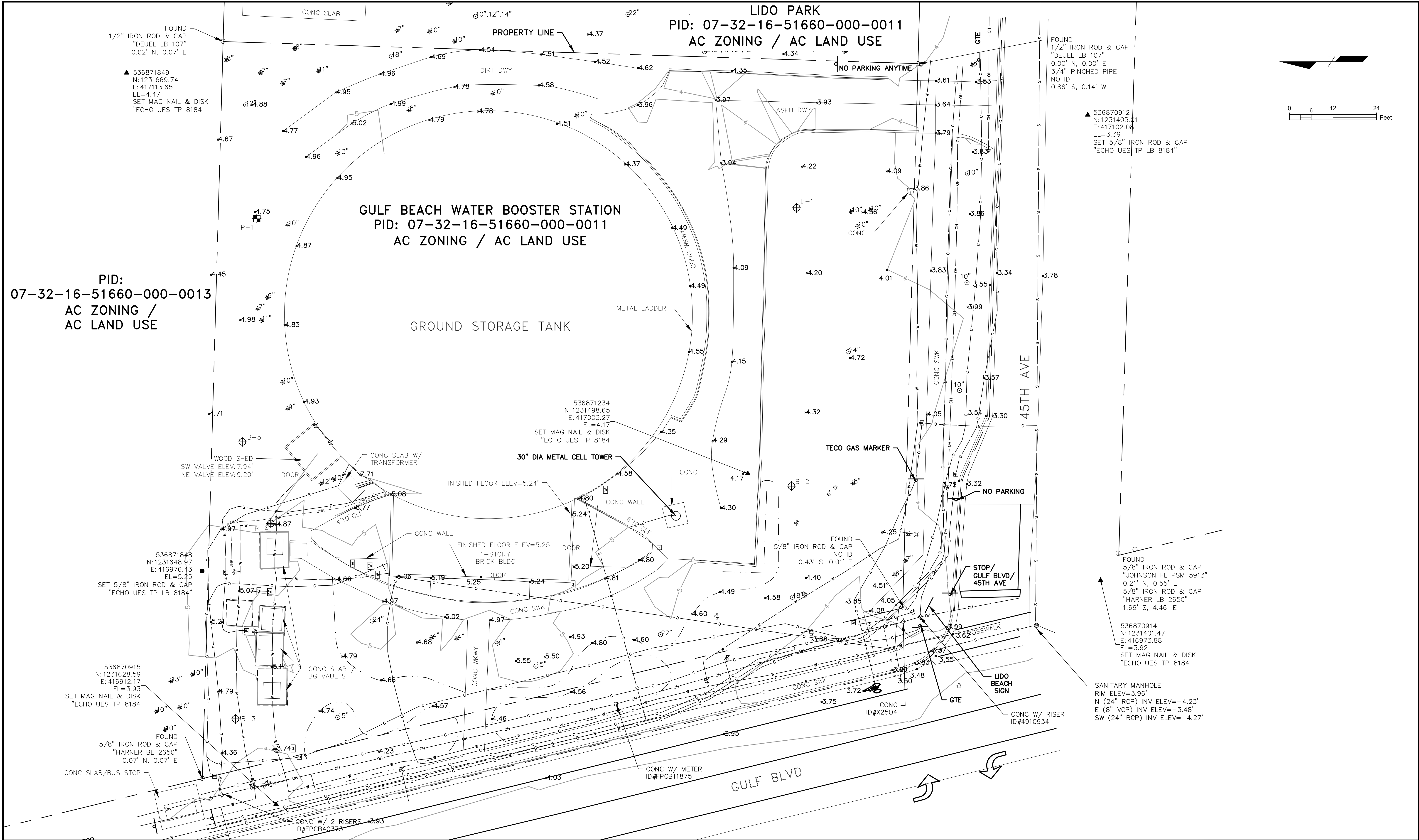
- WHEN WORK IS ASSOCIATED WITH ROADWAY MODIFICATIONS AND/OR SITE DEVELOPMENT, CONTRACTOR IS REQUIRED TO HAVE A PRE-CONSTRUCTION MEETING WITH THE FDOT INSPECTOR TWO WEEKS PRIOR TO ANY WORK IN FDOT RIGHT-OF-WAY.
- ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING. NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH MAINTENANCE OF TRAFFIC SIGNS (FDOT STANDARD INDEX 102-660) IN-PLACE PRIOR TO PATHWAY BEING AFFECTED.
- THE PERMITTEE/EOR SHALL COORDINATE WITH FDOT INSPECTOR IN ADVANCE OF ANY CONCRETE PLACED TO BE PLACED WITHIN FDOT RIGHT-OF-WAY TO ENSURE THAT THE INSPECTOR IS ONSITE DURING ANY CONCRETE PLACEMENT OPERATION.
- ANY CURB AND/OR GUTTER THAT IS RECONSTRUCTED OR INSTALLED WITHIN FDOT RIGHT-OF-WAY SHALL MEET MINIMUM STANDARDS OF FDOT STANDARD INDEX 520-001 (CURB AND GUTTER).
- ANY SIDEWALK FRONTING THE PROPERTY THAT IS CRACKED, DAMAGED, OR UNSTABLE AND IS CREATING AN ADA TRIP HAZARD MUST BE REPLACED BY SECTION AND MEET THE MINIMUM STANDARDS OF FDOT STANDARD INDEX 522-001 (CONCRETE SIDEWALK) AND 522-002 (DETECTABLE WARNINGS AND CURB RAMPS).
- ANY FLARED DRIVEWAY THAT IS RECONSTRUCTED OR INSTALLED WITHIN FDOT RIGHT-OF-WAY SHALL MEET MINIMUM STANDARDS OF FDOT STANDARD INDEX 522-003 (CONCRETE FLARED DRIVEWAYS).
- ALL NON-STRUCTURAL CONCRETE PLACED IN THE RIGHT-OF-WAY SHALL BE A MINIMUM OF 6 INCHES THICK, FDOT CERTIFIED CLASS 1 NON-STRUCTURAL, #57 STONE, 2500 PSI CONCRETE, WITH FIBER MESH MATERIAL, AND BE FROM A FDOT APPROVED PLANT.
 - THE PERMITTEE/ENGINEER OF RECORD (EOR) IS REQUIRED TO PROVIDE THIRD PARTY CONCRETE INSPECTION VIA AN AMERICAN CONCRETE INSTITUTE (ACI) CERTIFIED INSPECTOR.
 - THE ACI CERTIFIED INSPECTOR SHALL PERFORM ALL REQUIRED CONCRETE TESTING WITHIN FDOT RIGHT-OF-WAY FOR WORK COVERED BY THIS PERMIT/AGREEMENT AND PROVIDE THEIR TESTING RESULTS TO FDOT.
 - REPRESENTATIVE CONCRETE SAMPLE CYLINDERS SHALL BE TAKEN AT TIME OF PLACEMENT AND STORED PROPERLY ONSITE.
 - THE PERMITTEE/EOR SHALL COORDINATE WITH THE FDOT INSPECTOR FOR ACQUISITION OF CONCRETE SAMPLE CYLINDERS CAST DURING PLACEMENT (FOR COMPRESSIVE STRENGTH TESTING).
 - PROVIDE DELIVERY TICKETS WITH ALL REQUIRED DETAILS AS OUTLINED IN FDOT STANDARD SPECIFICATION 347-4.1.
 - CONCRETE SHALL BE PLACED AND CURED IN A MANNER THAT MEETS FDOT STANDARD SPECIFICATION REQUIREMENTS TO ACHIEVE PROPER STRENGTH AND DURABILITY CHARACTERISTICS.
- ANY CURB OR SIDEWALK DAMAGED AS A RESULT OF WORK PERFORMED BY THE PERMITTEE OR CONTRACTOR SHALL BE REMOVED AND REPLACED PER FDOT SPECIFICATIONS.
- ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO FDOT SPECIFICATIONS.
- ALL MATERIALS BEING PLACED IN THE FDOT RIGHT-OF-WAY MUST BE ON THE STATE'S APPROVED PRODUCTS LIST (NON-PROPRIETARY).
- ALL CONSTRUCTION AND/OR MAINTENANCE IN FDOT RIGHT-OF-WAY SHALL CONFORM TO THE FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT STANDARD PLANS FOR ROAD CONSTRUCTION, FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FDOT FLORIDA DESIGN MANUAL, AND THE FDOT DRAINAGE MANUAL.
- NO LANE CLOSURE OF ANY STATE ROADWAY IS ALLOWED WITHOUT 48-HOUR ADVANCE NOTICE AND APPROVAL FROM FDOT.
- LANE CLOSURES MUST BE LIMITED TO SUNDAY THROUGH THURSDAY, 9:00 PM TO 5:30 AM UNLESS OTHERWISE APPROVED BY FDOT.
- LANE CLOSURE NEEDS TO ACCOMMODATE FOR A BIKE LANE IF THE ROADWAY CONSISTS OF A BIKE LANE.
- NO WORK SHALL BE PERFORMED DURING THE WEEK OF ANY STATE OR FEDERAL HOLIDAY UNLESS OTHERWISE APPROVED IN WRITING BY FDOT.

- NO WORK REQUIRING LANE OR SIDEWALK CLOSURE SHALL BE PERFORMED DURING SPRING BREAK ON SR 699 (GULF BOULEVARD). SPRING BREAK IS IDENTIFIED AS MARCH 1 THROUGH, THE FIRST MONDAY FOLLOWING EASTER. DURING THIS TIME, LANE AND SIDEWALK CLOSURES ON ALL STATE ROADWAYS THAT LEAD TO SR 699 (GULF BOULEVARD) WILL BE RESTRICTED TO NIGHT WORK, SUNDAY THROUGH THURSDAY, 9:00 PM TO 5:30 AM.
- OPEN CUTTING OF ANY ROADWAY, DRIVEWAY, OR SIDEWALK OUTSIDE THOSE LIMITS IDENTIFIED WITHIN THE PERMIT ARE NOT ALLOWED WITHOUT PRIOR APPROVAL BY FDOT.
- PRIOR TO THE REMOVAL OF ANY MATERIALS ABUTTING THE ROADWAY SHALL BE SAWCUT TO PREVENT ANY DAMAGE TO THE ROADWAY.
- CONTRACTOR SHALL PROVIDE THE FDOT INSPECTOR THE PRINCIPAL POINT OF CONTACT INDIVIDUAL WHO HAS AUTHORITY TO ADMINISTER ACTIONS ON BEHALF OF THE PERMITTEE WHILE ACTIVITIES IMPACTING THE RIGHT-OF-WAY ARE TAKING PLACE TO INCLUDE POTENTIAL EMERGENCY ISSUES.
- NO STOCKPILING, STORING, OR SEMI-PERMANENT USE OF THE RIGHT-OF-WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT OR APPROVED BY FDOT IN ADVANCE.
- THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00 AM TO 5:30 PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BY FDOT BEFORE WORKING THE ALTERNATE SCHEDULE.
- FDOT RESERVES THE RIGHT TO ADJUST ANY PERMITTED METHOD OF INSTALLATION, SCOPE OF WORK, AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY, AND ENVIRONMENTAL WELL-BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
- ROADWAY RESTORATION SHALL UTILIZE 100 PSI EXCAVATABLE FLOWABLE FILL MATERIAL AND ASPHALT PLACED WITHIN STATE RIGHT-OF-WAY SHALL BE PLACED FULL-DEPTH, TWO 2.5-INCH LIFTS OF SP 12.5, TWO 1.5-INCH LIFTS OF SP 9.5. TYPICAL SECTIONS WILL NEED TO BE PROVIDED WITHIN THE PLANS FOR THE PAVEMENT PLACEMENT. A STAIR STEP METHOD SHOULD BE INCORPORATED, PRIOR TO PLACING ASPHALT, TO AVOID VERTICAL JOINTS. MILLING OF THE PATCH MAY BE REQUIRED BASED ON THE PATCHED SURFACE PERFORMANCE. THE MILLING SHALL BE UTILIZED FOR SURFACE LEVELING TO A THICKNESS EQUAL TO OR GREATER THAN THE EXISTING FRICTION COARSE MATERIAL. THE MILLING LIMITS ARE 50-FOOT OF THE PATCH ALONG THE LONGITUDINAL PATH OF THE LANE, FULL LANE WIDTH, AND INCLUDE ANY ADJACENT BIKE LANE, SHARED PATH, OR URBAN SHOULDER SECTION.
- ANY DISRUPTIONS TO A PERMEABLE PEDESTRIAN PATH OR BIKE LANE ALONG SR 699 (GULF BOULEVARD) ARE TO BE RESTORED AS WORK CONTINUES. ALL PATCHES SHALL BE FULL WIDTH FROM OUTSIDE EDGE OF PEDESTRIAN PATH TO WHITE LINE EDGE OF TRAVEL LANE WITH STAIR STEP (STAGGERED) JOINTS. RESTORATION TO INCLUDE BACKFILL WITH EXISTING SUB-GRADE MATERIAL AND #57 STONE AS BASE MATERIAL (COMPACT IN 6-INCH LIFTS) TO BOTTOM OF EXISTING PERVIOUS ASPHALT BASE, FOLLOWED BY PERMEABLE DESIGN MIX (IF AVAILABLE) OR FC-5 (FRICTION COURSE) MIX WITH A MINIMUM OF TWO 2-INCH AND A MAXIMUM OF TWO 3-INCH LIFTS. MAINTAIN INGRESS/EGRESS ON ALL DRIVEWAYS AND SIDE STREETS DURING CONSTRUCTION.
- IF A PERMITTEE IS EXTENDING AND/OR CONNECTING TO AN EXISTING FDOT PIPE, DISTRICT DRAINAGE WILL REVIEW IF THE PIPE SYSTEM ADDRESSES ANY INCREASE IN VOLUME/LOADING AS PART OF THE NEW DEVELOPMENT. THE NEW PIPE, ALONG WITH THE CONNECTION, SHOULD BE VIDEO INSPECTED AND PROVIDED TO FDOT FOR REVIEW TO CONFIRM THE CONNECTION IS SUFFICIENT AND THAT THE EXISTING PIPE HAS NOT BEEN DAMAGED. FDOT SPECIFICATIONS REQUIRE VIDEO INSPECTION OF ANY NEW PIPE 48 INCHES OR LESS IN DIAMETER (STANDARD SPECIFICATION 430-4.8 PIPE INSPECTION, 430-4.8.1 VIDEO REPORT, AND 430-4.8.2 REINSPECTION).
- IF A PERMITTEE IS CONNECTING TO AN EXISTING FDOT PIPE, THEY WILL HAVE TO CLEAN/DESILT THE AREA OF THE EXISTING PIPE THEY ARE CONNECTING TO SO FDOT CAN ENSURE THE CONNECTION WAS DONE PROPERLY. A PROPER PIPE CONNECTION CANNOT BE PERFORMED WHEN EXISTING PIPE IS SILTED UP AT THE CONNECTION POINT.
- PIPE CULVERTS SHOWN IN THE PERMIT MUST MEET FDOT SPECIFICATIONS, TYPE, SIZE, AND LENGTH AS DESCRIBED IN THE PERMIT. EACH JOINT OR LENGTH OF PIPE SHALL HAVE FDOT STAMPS AFFIXED VERIFYING THIS APPROVAL. ALL CONCRETE PIPE JOINTS OTHER THAN 1-INCH RING JOINTS MUST BE "DIAPERED". ALL CULVERTS ARE TO BE INSPECTED BY FDOT PRIOR TO PLACEMENT OF FILL.
- PERMITTEE SHALL NOTIFY FDOT OF THE DATE OF COMPLETION, REQUEST A FINAL INSPECTION, AND REQUEST A NOTICE OF FINAL ACCEPTANCE.

				DESIGNED M.HOFFMAN		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: GENERAL NOTES II	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN D.METZ						PROJECT NO. 002150A
				CHECKED W.NICKEL						SHEET: C-3
REV. NO.	DATE	DESCRIPTION	REV. BY							

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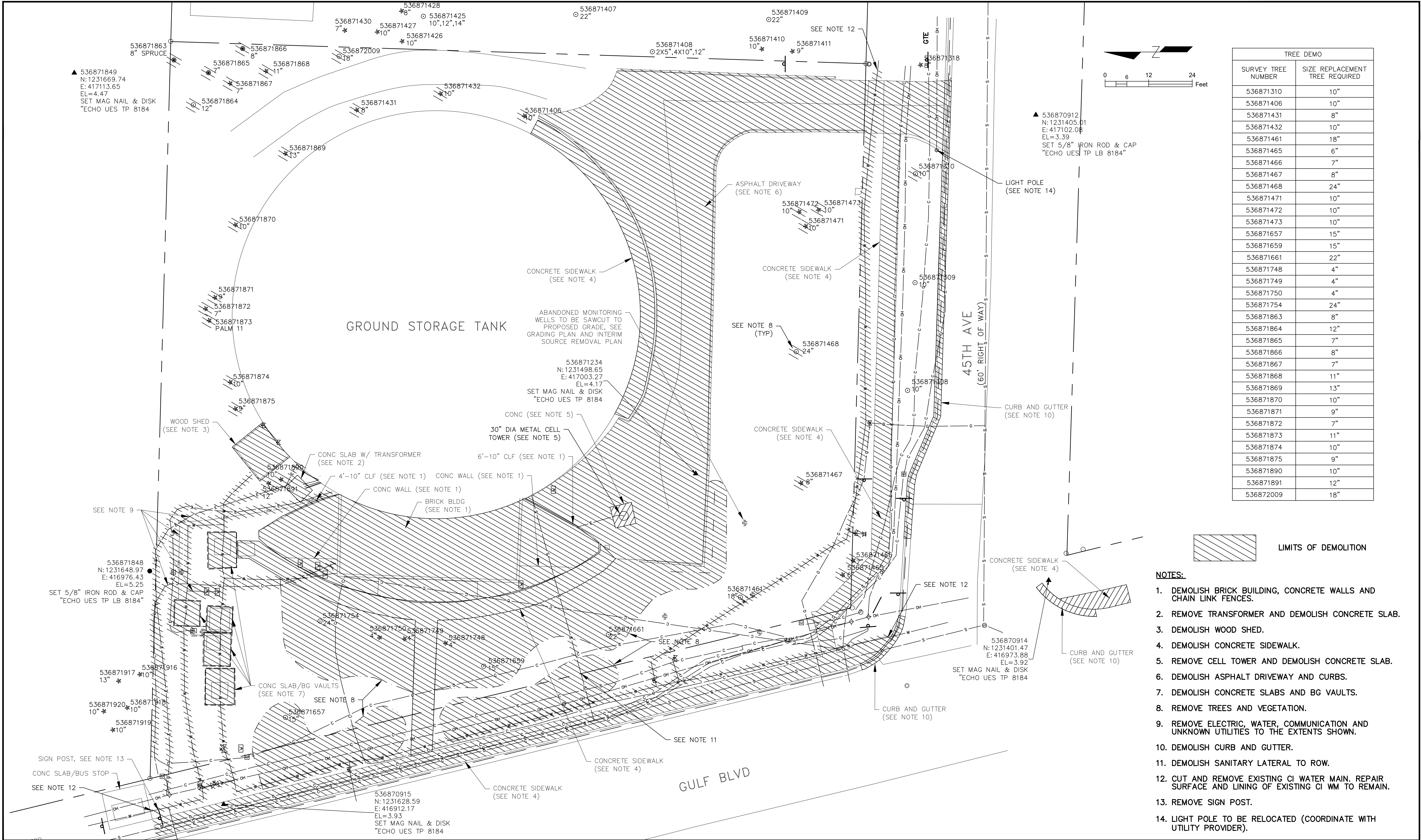
J:\ENG\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CIV\P002150A-EXST.dwg, Jan 31, 2025 - 7:19am



				DESIGNED <u>M.HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: EXISTING SITE PLAN	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN <u>D.METZ</u>						PROJECT NO. 002150A
				CHECKED <u>W.NICKEL</u>						SHEET: 2025-C-799-00006
REV. NO. DATE DESCRIPTION				REV. BY						C-4

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TREE DEMO	
SURVEY TREE NUMBER	SIZE REPLACEMENT TREE REQUIRED
536871310	10"
536871406	10"
536871431	8"
536871432	10"
536871461	18"
536871465	6"
536871466	7"
536871467	8"
536871468	24"
536871471	10"
536871472	10"
536871473	10"
536871657	15"
536871659	15"
536871661	22"
536871748	4"
536871749	4"
536871750	4"
536871754	24"
536871863	8"
536871864	12"
536871865	7"
536871866	8"
536871867	7"
536871868	11"
536871869	13"
536871870	10"
536871871	9"
536871872	7"
536871873	11"
536871874	10"
536871875	9"
536871890	10"
536871891	12"
536872009	18"

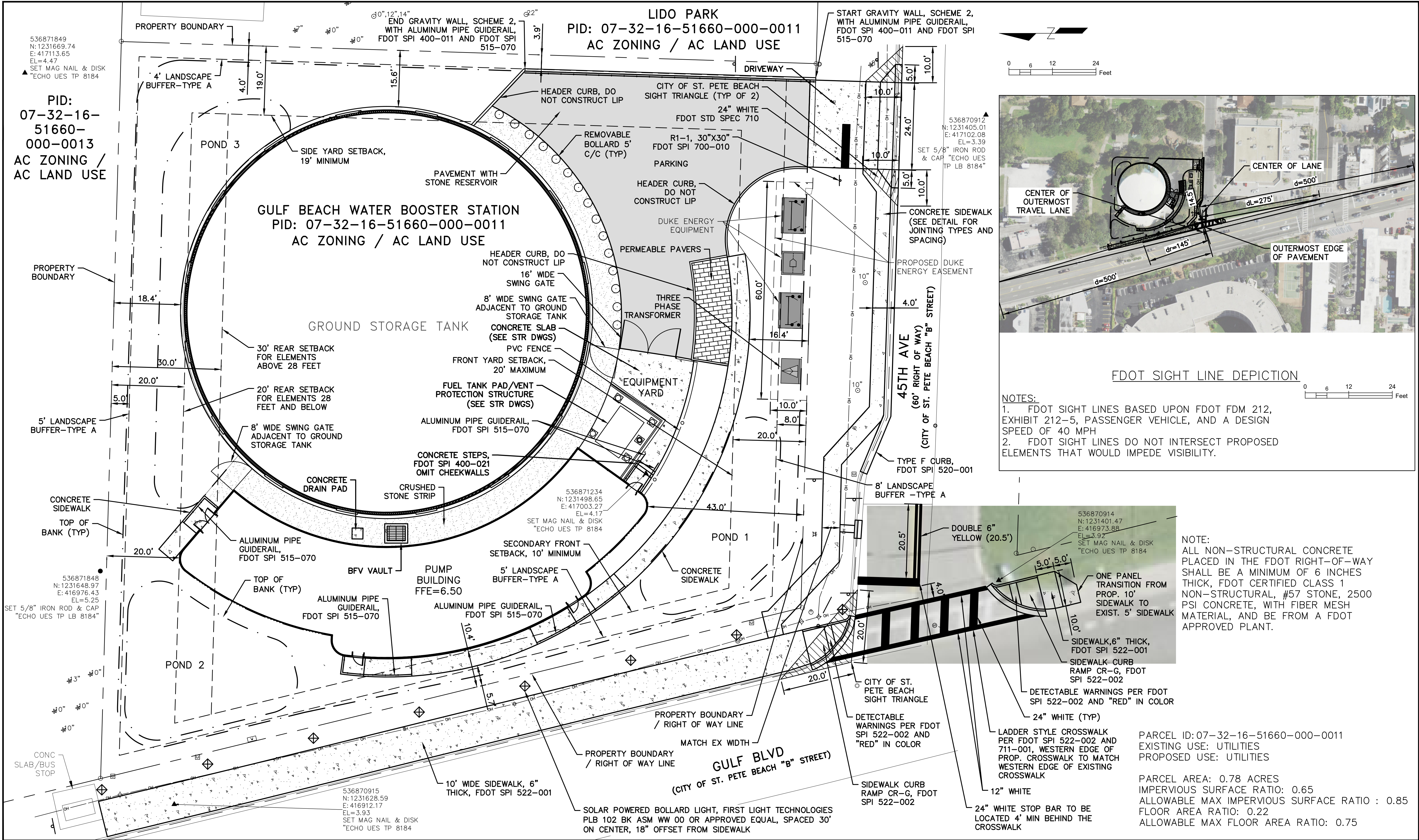
- NOTES:**
- DEMOLISH BRICK BUILDING, CONCRETE WALLS AND CHAIN LINK FENCES.
 - REMOVE TRANSFORMER AND DEMOLISH CONCRETE SLAB.
 - DEMOLISH WOOD SHED.
 - DEMOLISH CONCRETE SIDEWALK.
 - REMOVE CELL TOWER AND DEMOLISH CONCRETE SLAB.
 - DEMOLISH ASPHALT DRIVEWAY AND CURBS.
 - DEMOLISH CONCRETE SLABS AND BG VAULTS.
 - REMOVE TREES AND VEGETATION.
 - REMOVE ELECTRIC, WATER, COMMUNICATION AND UNKNOWN UTILITIES TO THE EXTENTS SHOWN.
 - DEMOLISH CURB AND GUTTER.
 - DEMOLISH SANITARY LATERAL TO ROW.
 - CUT AND REMOVE EXISTING CI WATER MAIN. REPAIR SURFACE AND LINING OF EXISTING CI WM TO REMAIN.
 - REMOVE SIGN POST.
 - LIGHT POLE TO BE RELOCATED (COORDINATE WITH UTILITY PROVIDER).

				DESIGNED <u>M.HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: DEMOLITION PLAN	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN <u>D.METZ</u>						PROJECT NO. 002150A
				CHECKED <u>W.NICKEL</u>						SHEET: 2025-C-799-00 C-5
REV. NO.	DATE	DESCRIPTION	REV. BY							

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2025-C-799-00006
Michael Lemart
6/16/2026

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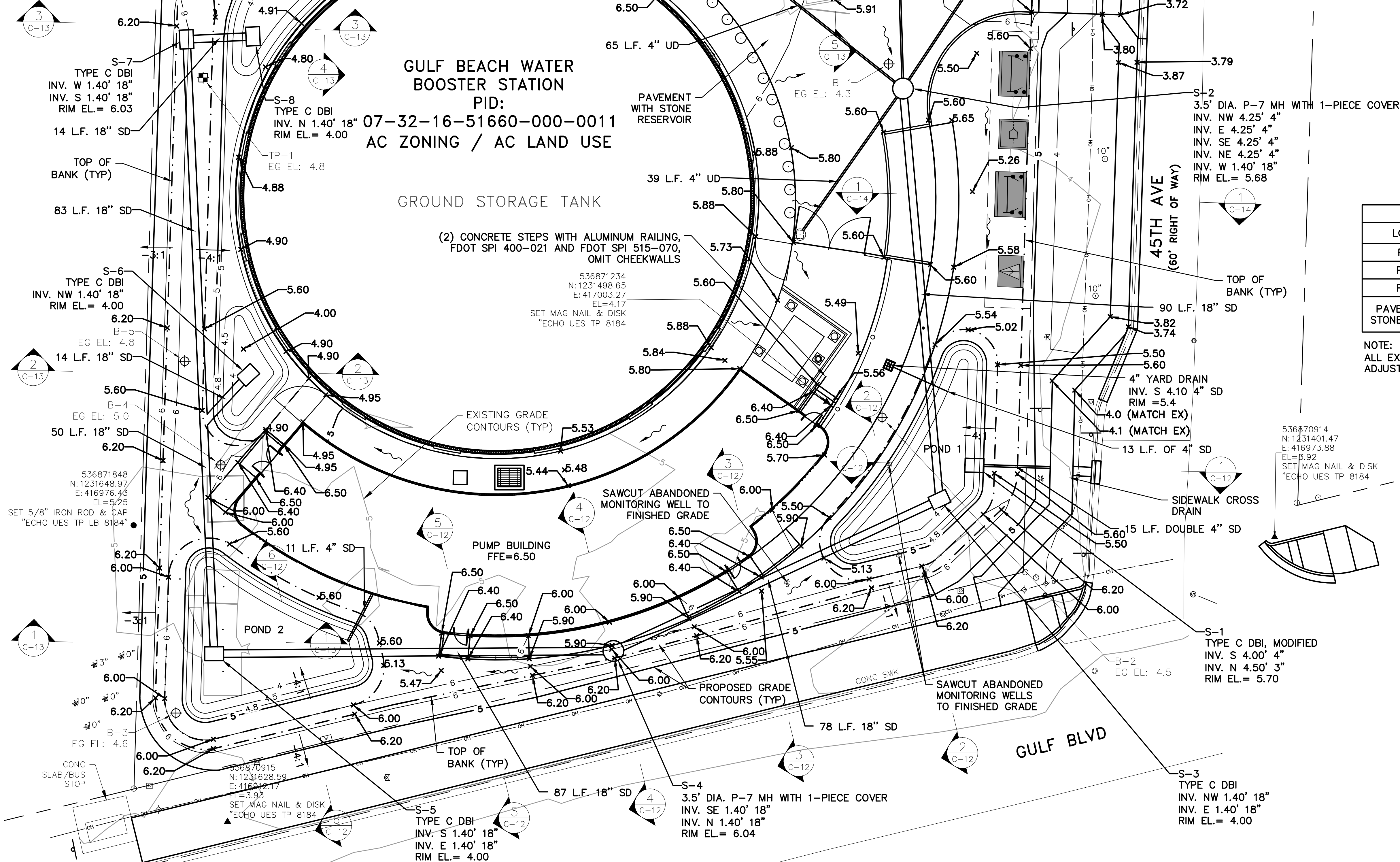


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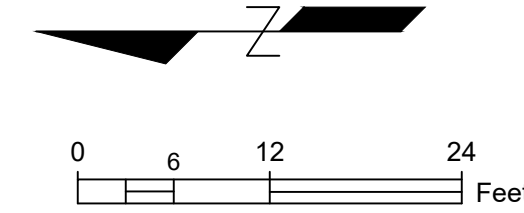
536871849
N:1231669.74
E:417113.65
EL=4.47
SET MAG NAIL & DISK
"ECHO UES TP 8184"

PID:
07-32-16-
51660-
000-0013
AC ZONING /
AC LAND USE



LIDO PARK
PID: 07-32-16-51660-000-0011
AC ZONING / AC LAND USE

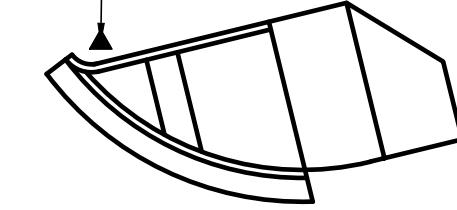
536870912
N:1231405.01
E:417102.08
EL=3.39
SET 5/8" IRON ROD & CAP
"ECHO UES TP LB 8184"



STORMWATER PEAK STAGES		
LOCATION	SWFWMD 100YR/24HR	FDOT 100YR/24HR
POND 1	5.7	5.2
POND 2	5.7	5.2
POND 3	5.7	5.2
PAVEMENT WITH STONE RESERVOIR	5.7	5.2

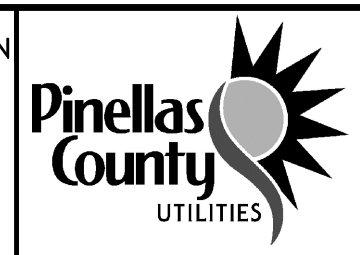
NOTE:
ALL EXISTING UTILITY COVERS/MANHOLES TO REMAIN SHALL BE
ADJUSTED TO FINISHED GRADE.

536870914
N:1231401.47
E:416973.88
EL=5.92
SET MAG NAIL & DISK
"ECHO UES TP 8184"



REV. NO.	DATE	DESCRIPTION

DESIGNED	M. HOFFMAN
DRAWN	D. METZ
CHECKED	W. NICKEL



PROJECT:
PINELLAS COUNTY, FLORIDA
GULF BEACH WATER BOOSTER
STATION IMPROVEMENTS

DESCRIPTION:
GRADING AND DRAINAGE PLAN

WRIGHT-PIERCE
800.422.1095 | www.wright-pierce.com
3820 NORTHDAL BOULEVARD, SUITE 202B, TAMPA, FL 33624
CERTIFICATE OF AUTHORIZATION#: 91267540

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PROJECT NO.	002150A
SHEET:	002150A-C-7

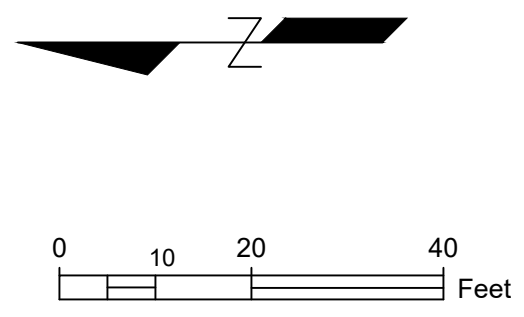
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PID:
07-32-16-
51660-
000-0013
AC ZONING /
AC LAND USE

LIDO PARK
PID: 07-32-16-51660-000-0011
AC ZONING / AC LAND USE

GULF BEACH WATER BOOSTER STATION
PID: 07-32-16-51660-000-0011
AC ZONING / AC LAND USE



536871849
N:1231669.74
E:417113.65
EL=4.47
SET MAG NAIL & DISK
"ECHO UES TP 8184"

536870912
N:1231405.01
E:417102.06
EL=3.39
SET 5/8" IRON ROD & CAP
"ECHO UES TP LB 8184"

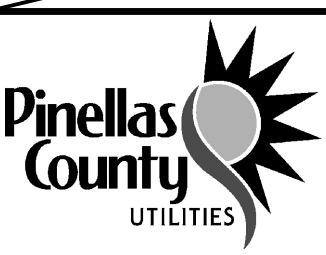
536871848
N:1231648.97
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"ECHO UES TP LB 8184"

536870914
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E:416973.88
EL=3.92
SET MAG NAIL & DISK
"ECHO UES TP 8184"

536870915
N:1231628.59
E:416912.17
EL=3.93
SET MAG NAIL & DISK
"ECHO UES TP 8184"

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	C.BAGGETT
DRAWN	D.METZ
CHECKED	P.QUERN



PROJECT:
PINELLAS COUNTY, FLORIDA
GULF BEACH WATER BOOSTER
STATION IMPROVEMENTS

DESCRIPTION:
SITE PIPING PLAN

WRIGHT-PIERCE
800.422.1095 | www.wright-pierce.com
3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624
CERTIFICATE OF AUTHORIZATION#: 91267540

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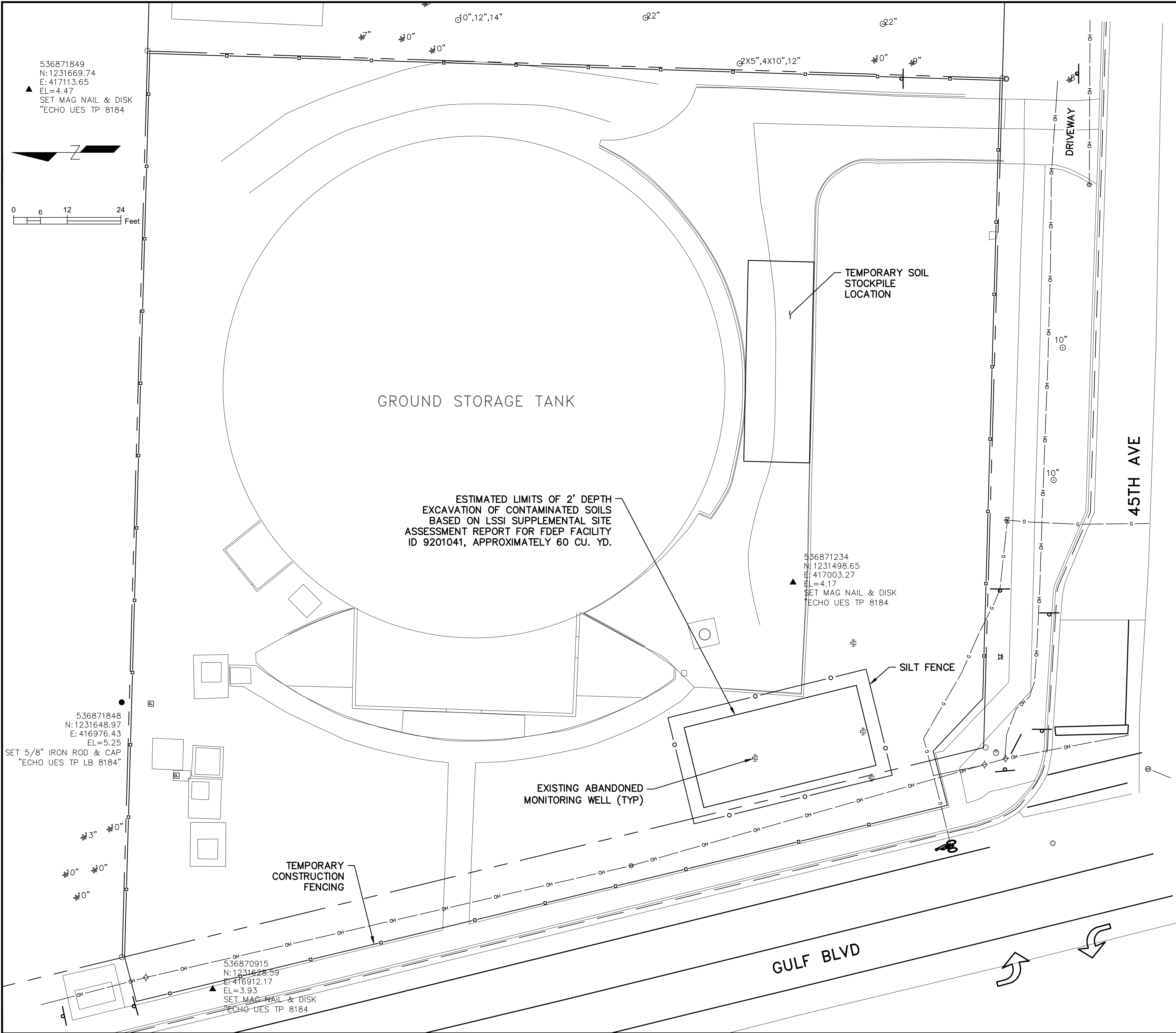
DATE:	02-2025
PROJECT NO.	002150A
SHEET:	025-C-789-00006 C-8

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INTERIM SOURCE REMOVAL NOTES:

- CONTRACTOR SHALL PROVIDE TO FDEP A WRITTEN NOTIFICATION IN ACCORDANCE WITH THE TIME FRAMES IN TABLE A, THAT INCLUDES A DESCRIPTION OF THE TYPE OF CONTAMINATION, ESTIMATED VOLUME OF SOIL OR SEDIMENT TO BE REMOVED, AND PROPOSED DISPOSAL METHODS TO BE UTILIZED.
- CONTAMINATION SHALL NOT BE SPREAD INTO PREVIOUSLY UNCONTAMINATED AREAS OR LESS CONTAMINATED AREAS THROUGH UNTREATED DISCHARGES, IMPROPER TREATMENT, IMPROPER DISPOSAL, OR IMPROPER STORAGE.
- FLAMMABLE PRODUCTS SHALL BE HANDLED IN A SAFE MANNER.
- WHEN A SOIL VACUUM EXTRACTION SYSTEM IS NECESSARY TO ABATE AN IMMINENT THREAT TO HUMAN LIFE, HEALTH, OR SAFETY WITHIN A STRUCTURE OR UTILITY CONDUIT, THEN THE VACUUM EXTRACTION SYSTEM SHALL BE DESIGNED AND OPERATED BY THE CONTRACTOR ONLY TO ABATE THE IMMINENT THREAT. THE DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR, WITHIN 24 HOURS, OF THE IMMINENT THREAT AND THE INTENT TO USE A SOIL VACUUM EXTRACTION SYSTEM. THE AIR EMISSIONS MONITORING AND FREQUENCY OF MONITORING SHALL BE PERFORMED BY THE CONTRACTOR PURSUANT TO PARAGRAPHS 62-780.700(4)(A) AND (11)(I), F.A.C
- CONFIRMATORY SOIL OR SEDIMENT SAMPLES SHALL BE COLLECTED BY THE CONTRACTOR AT THE BOTTOM OF THE EXCAVATION AND WALLS OR PERIMETER OF THE EXCAVATION. THESE SAMPLES SHALL BE TESTED WITH FDEP APPROVED METHODOLOGY TO DETERMINE THE CLEAN POINTS OF THE EXCAVATION.
- CONTRACTOR SHALL PERFORM TESTING OF THE CONTAMINATED SOIL TO DETERMINE IF THE SOIL OR SEDIMENT CONTAINS HAZARDOUS WASTE AS LISTED IN 40 C.F.R. PART 261 SUBPART D (7-1-12 EDITION)
- CONTRACTOR SHALL PERFORM TESTING OF THE CONTAMINATED SOIL USING USEPA TEST METHOD 1311, TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) AND SUBSEQUENT ANALYZING OF THE LEACHATE ON A SUFFICIENT NUMBER OF SAMPLES TO DETERMINE WHETHER OR NOT THE CONTAMINATED SOIL OR SEDIMENT EXCEEDS MAXIMUM CONCENTRATIONS FOR THE TOXICITY CHARACTERISTICS OF THE CONSTITUENTS IDENTIFIED IN 40 C.F.R 261.24 (7-1-12 EDITION).

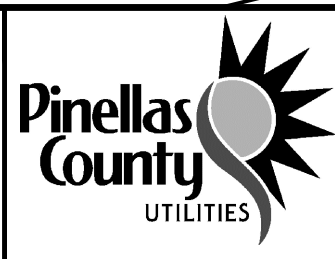
7.1 PURSUANT TO 40 C.F.R. 261.4(B)(10), SUBPART A (7-1-12 EDITION), PETROLEUM CONTAMINATED MEDIA AND DEBRIS, ASSOCIATED WITH AN UNDERGROUND STORAGE TANK SYSTEM, THAT FAIL THE TEST FOR THE TOXICITY CHARACTERISTIC OF 40 C.F.R 261.24, SUBPART C (HAZARDOUS WASTE CODES D018 THROUGH D043 ONLY) ARE SOLID WASTE, NOT HAZARDOUS WASTE. CONTAMINATED SOIL ASSOCIATED WITH AN UNDERGROUND STORAGE TANK SYSTEM, WHICH WILL BE MANAGED AS SOLID WASTE, IS NOT SUBJECT TO THE REQUIREMENT THAT TCLP EXTRACTION AND SUBSEQUENT ANALYSIS OF THE LEACHATE BE PERFORMED.
- WHEN EXCAVATED CONTAMINATED SOIL OR SEDIMENT IS TEMPORARILY STORED OR STOCKPILED ONSITE, THE SOIL OR SEDIMENT SHALL BE PLACED ON AN IMPERMEABLE SURFACE TO PREVENT LEACHATE INFILTRATION AND SECURED IN A MANNER THAT PREVENTS HUMAN EXPOSURE TO CONTAMINATED SOIL OR SEDIMENT AND PREVENTS SOIL OR SEDIMENT EXPOSURE TO PRECIPITATION THAT MAY CAUSE SURFACE RUNOFF. ANY EXCAVATION SHALL BE SECURED TO PREVENT ENTRY BY THE PUBLIC.
- THE TEMPORARY STORAGE OR STOCKPILING OF EXCAVATED CONTAMINATED SOIL OR SEDIMENT SHALL NOT EXCEED 60 DAYS.
- CONTRACTOR SHALL DISPOSE OF CONTAMINATED SOIL AT A FDEP APPROVED AND ACCEPTING LANDFILL IN A LEGAL MANNER.
- PREVIOUS DISCUSSIONS WITH FDEP HAVE INDICATED THAT A GROUNDWATER SAMPLE WILL NOT BE REQUIRED. IF THIS CONDITION CHANGES, A SAMPLE SHALL BE COLLECTED AS FOLLOWS:

11.1 A GROUNDWATER SAMPLE SHALL BE COLLECTED FROM THE VICINITY OF THE EXCAVATION AREA FOLLOWING COMPLETION OF EXCAVATION ACTIVITIES. GROUNDWATER SAMPLE SHALL BE TESTED IN ACCORDANCE WITH FAC 62-780.680(1).
- WITHIN THE TIME FRAMES SPECIFIED IN TABLE A, THE CONTRACTOR SHALL SUBMIT AN ELECTRONIC OR PAPER COPY OF AN INTERIM SOURCE REMOVAL REPORT TO FDEP AND THE ENGINEER FOR REVIEW.

12.1 IF ANALYTICAL RESULTS OBTAINED AFTER COMPLETION OF THE INTERIM SOURCE REMOVAL, DEMONSTRATE THAT THE NO FURTHER ACTION CRITERIA OF SUBSECTION 62-780.680(1), F.A.C., ARE MET, A SITE ASSESSMENT REPORT PURSUANT TO SUBSECTION 62-780.600(7), F.A.C., MAY BE SUBMITTED IN LIEU OF AN INTERIM SOURCE REMOVAL REPORT.
- CONTRACTOR SHALL OBTAIN A NO FURTHER ACTION WITHOUT INSTITUTIONAL CONTROLS DECISION FROM FDEP UPON COMPLETION OF THE SOURCE REMOVAL.
- ABANDONED MONITORING WELLS TO BE CUT TO FINISH GRADE. SEE DRAINAGE AND GRADING PLAN. MONITORING WELLS WERE ABANDONED ON 10/31/2023 BY GROUTING THE WELLS FROM THE BOTTOM OF THE WELL SCREEN, 12 FEET BELOW LAND SURFACE, TO LAND SURFACE.
- ESTIMATED EXCAVATION LIMITS AND DEPTH PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL DETERMINE LIMITS OF SOIL CONTAMINATION ON-SITE, VERTICALLY AND HORIZONTALLY, BASED ON PREVIOUS COLLECTED DATA AND, IF REQUIRED, ADDITIONAL TESTING.

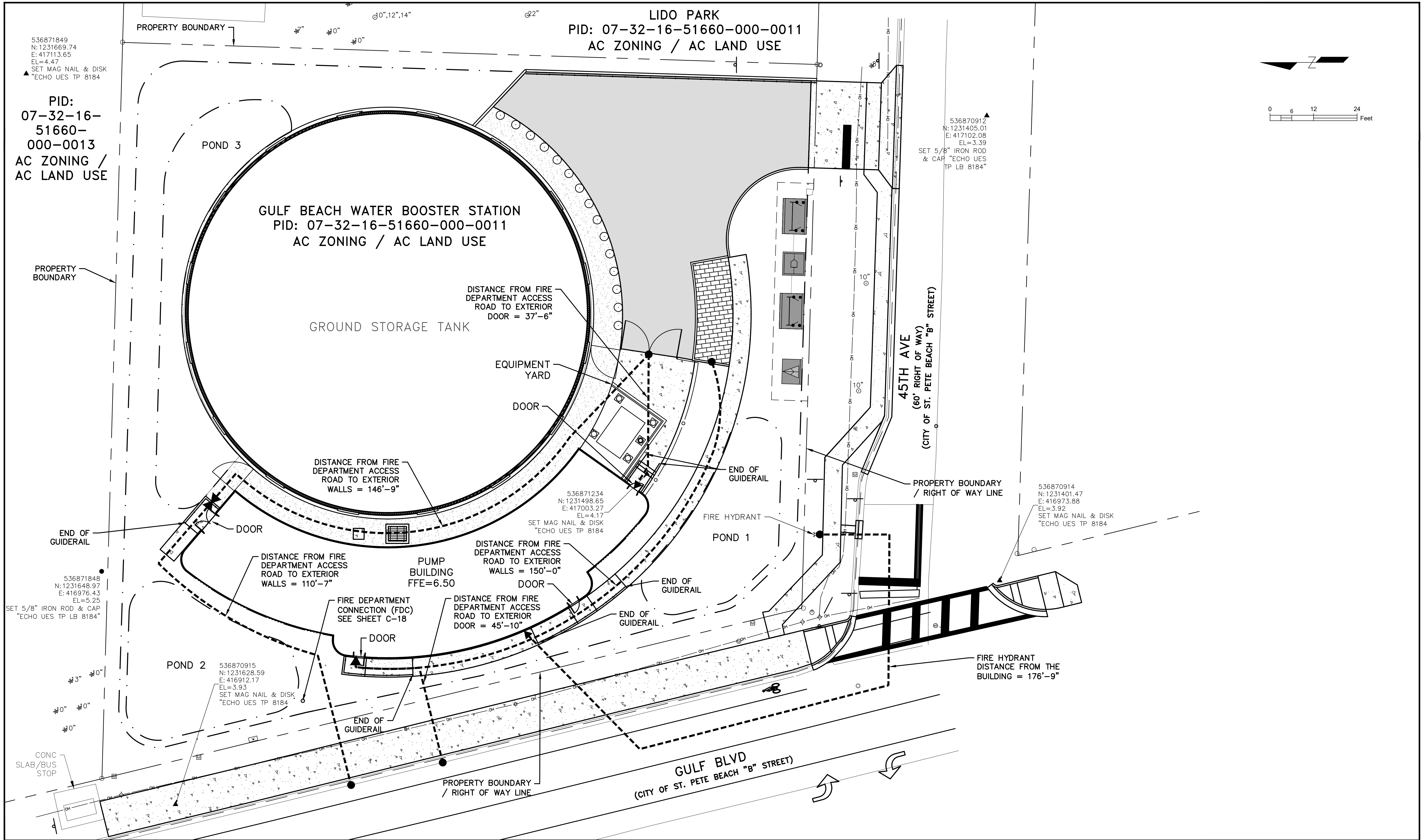
FDEP PROJECT MANAGER: MELISSA BROCK, 850-245-8903, Melissa.Brock@FloridaDEP.gov

TABLE A	
SUBMITTALS AND TIME FRAMES	
TYPE OF REPORT OR ACTIVITY	ACTION OR SUBMITTAL TIME FRAMES
NOTICE OF INTERIM SOURCE REMOVAL ACTION	WITHIN 24 HOURS OF INITIATION OF THE ACTION
INTERIM SOURCE REMOVAL STATUS REPORT	WITHIN 60 DAYS OF INITIATING INTERIM SOURCE REMOVAL ACTIVITIES AND EVERY 60 DAYS THEREAFTER
INTERIM SOURCE REMOVAL REPORT	WITHIN 60 DAYS OF COMPLETION OF INTERIM SOURCE REMOVAL ACTIVITIES
NO FURTHER ACTION PROPOSAL	WHEN SITE MEETS THE CRITERIA FOR NO FURTHER ACTION PER 62-780.80, FAC

				DESIGNED <u>M.HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: INTERIM SOURCE REMOVAL PLAN	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN <u>D.METZ</u>						PROJECT NO. 002150A
				CHECKED <u>W.NICKEL</u>						SHEET: 025-C-789-00006 C-10
REV. NO.	DATE	DESCRIPTION			REV. BY					

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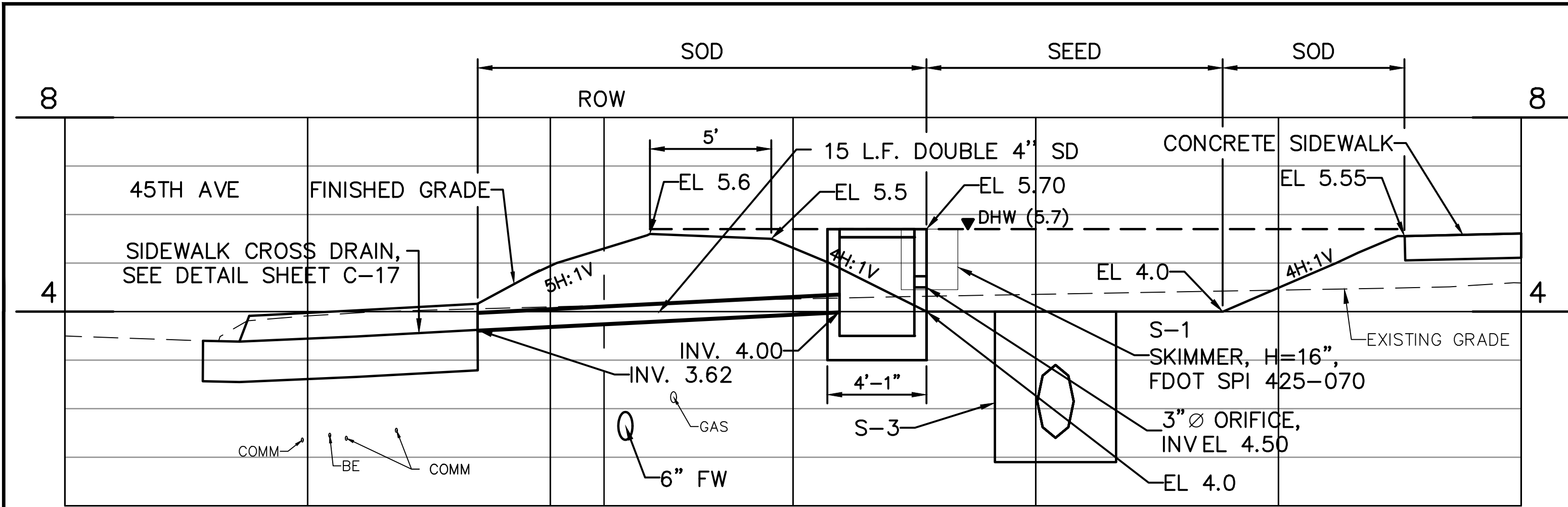
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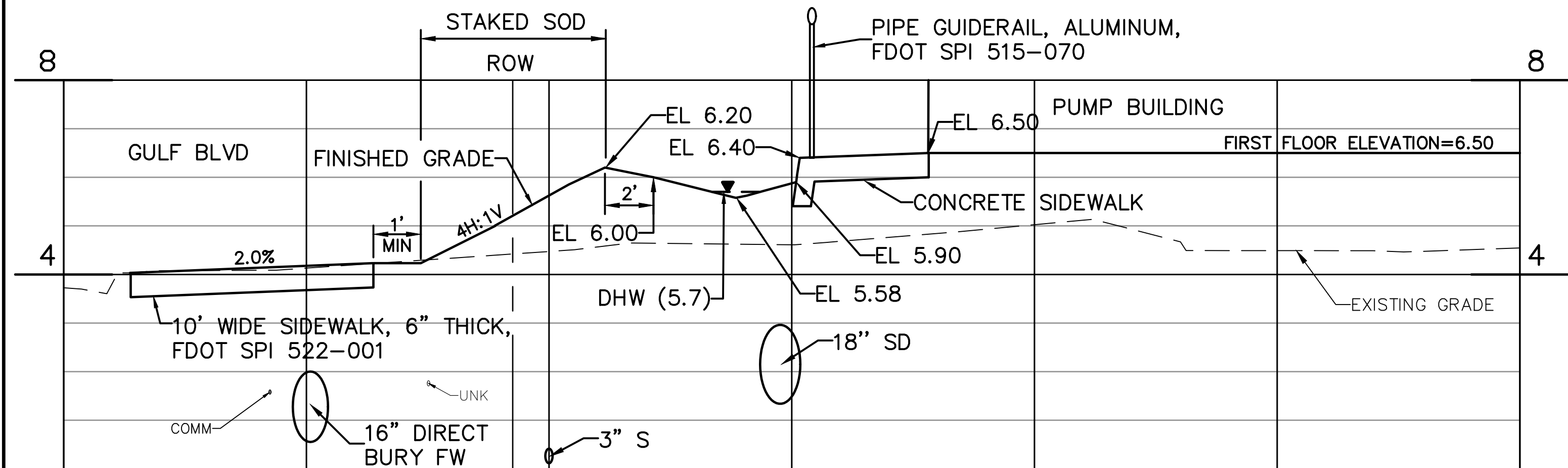
			DESIGNED M. HOFFMAN		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: FIRE PROTECTION PLAN	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
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REV. NO. DATE DESCRIPTION			CHECKED W. NICKEL						SHEET: 0025-C-799-00006 C-11

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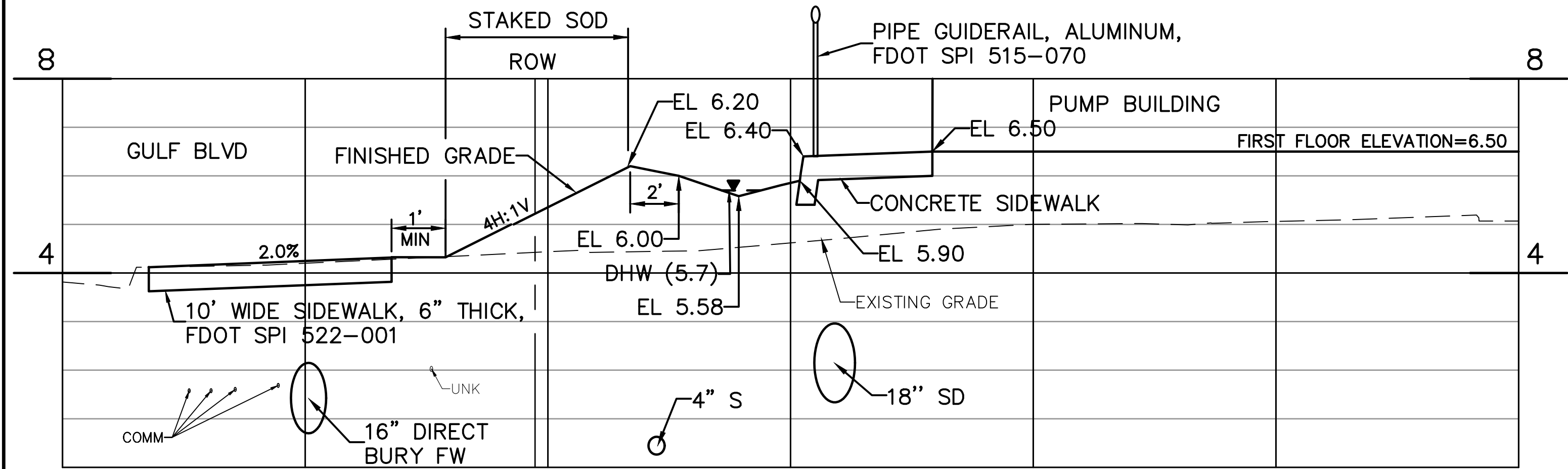
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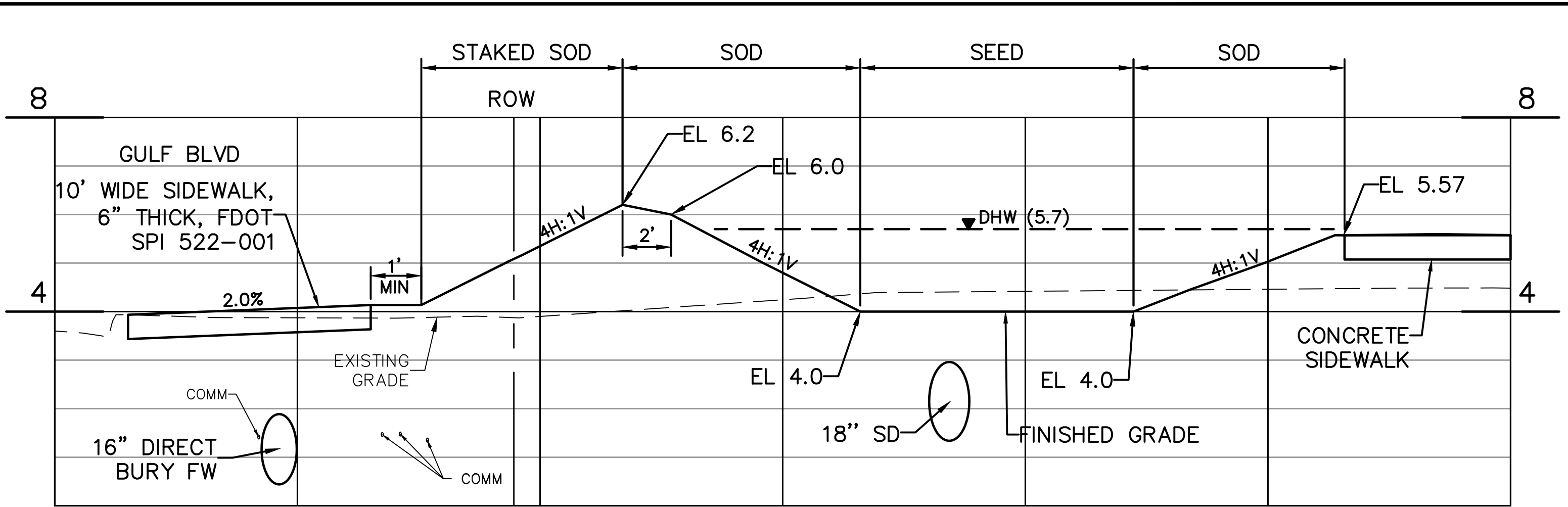
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VERT 1"=2'



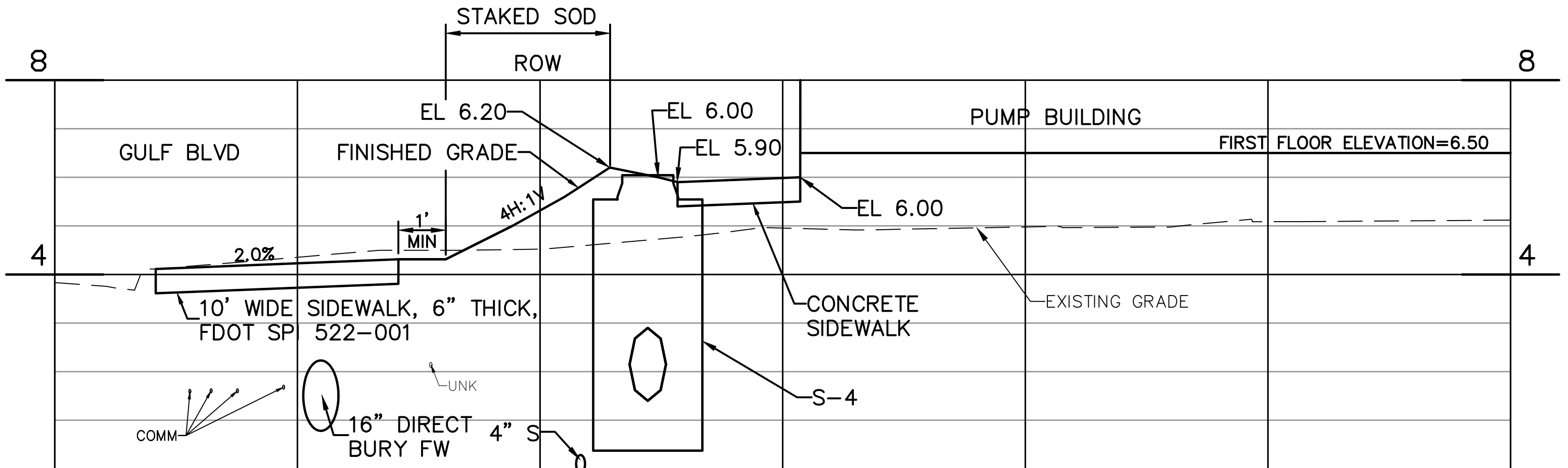
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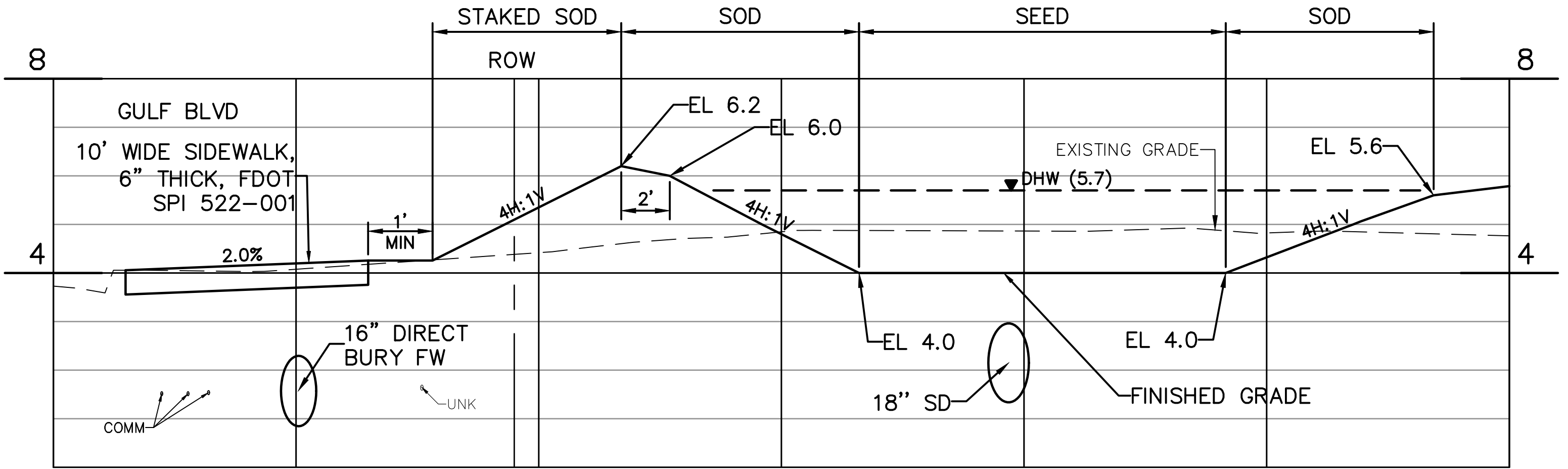
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4 SECTION
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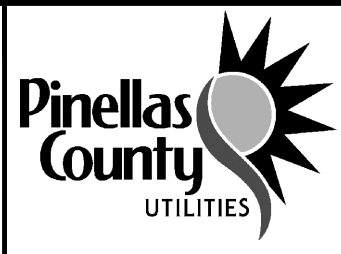
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6 SECTION
C-7 SCALE: HORIZ 1"=4'
VERT 1"=2'

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	M. HOFFMAN
DRAWN	D. METZ
CHECKED	W. NICKEL



PROJECT:
PINELLAS COUNTY, FLORIDA
GULF BEACH WATER BOOSTER
STATION IMPROVEMENTS

DESCRIPTION:
CROSS SECTIONS I

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CERTIFICATE OF AUTHORIZATION#: 91267540

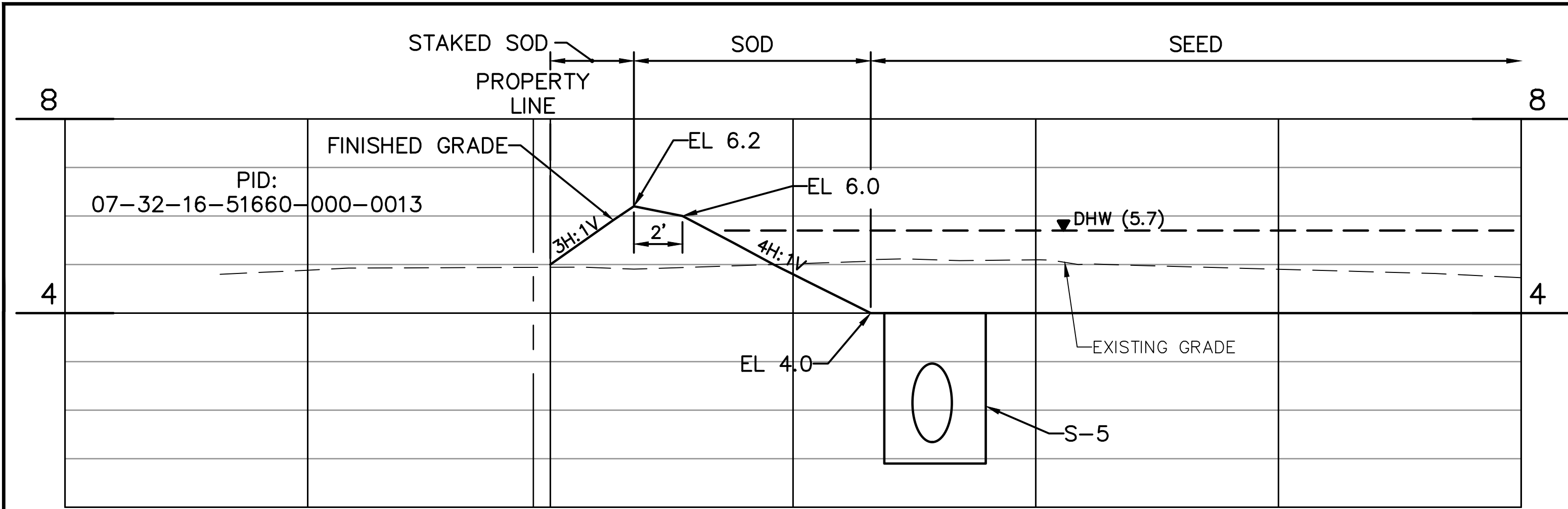
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PROJECT NO.	002150A
SHEET:	C-12

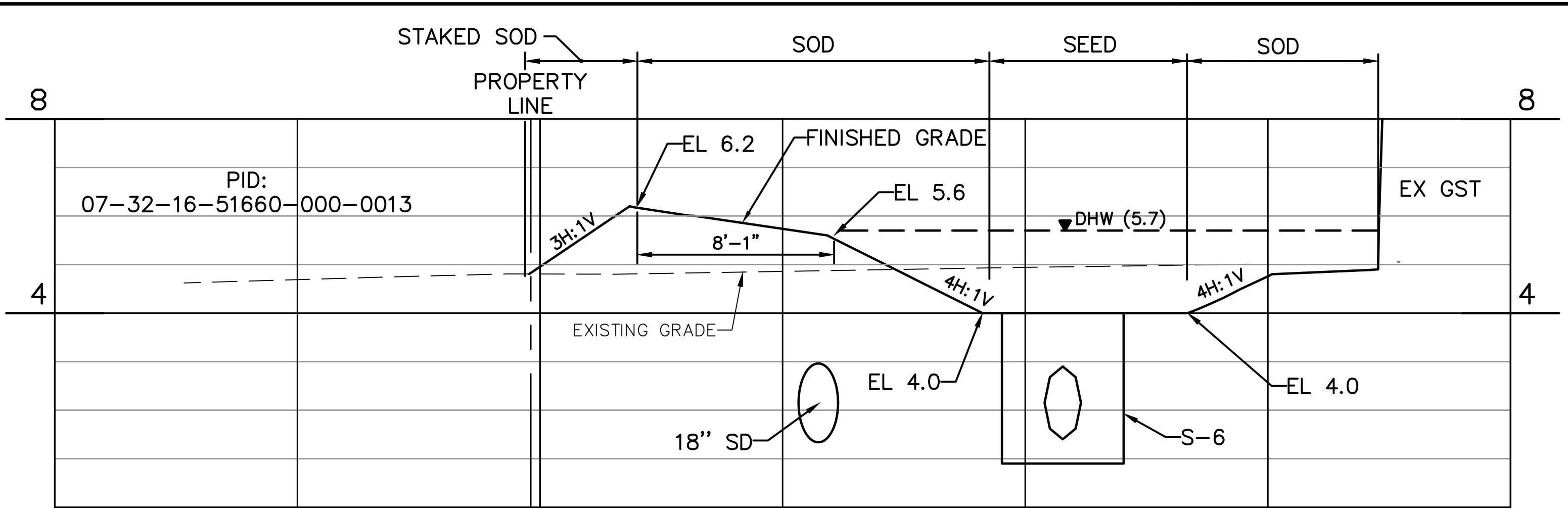
APPROVED
2025-C-789-00006
Michael Lemart
6/16/2026

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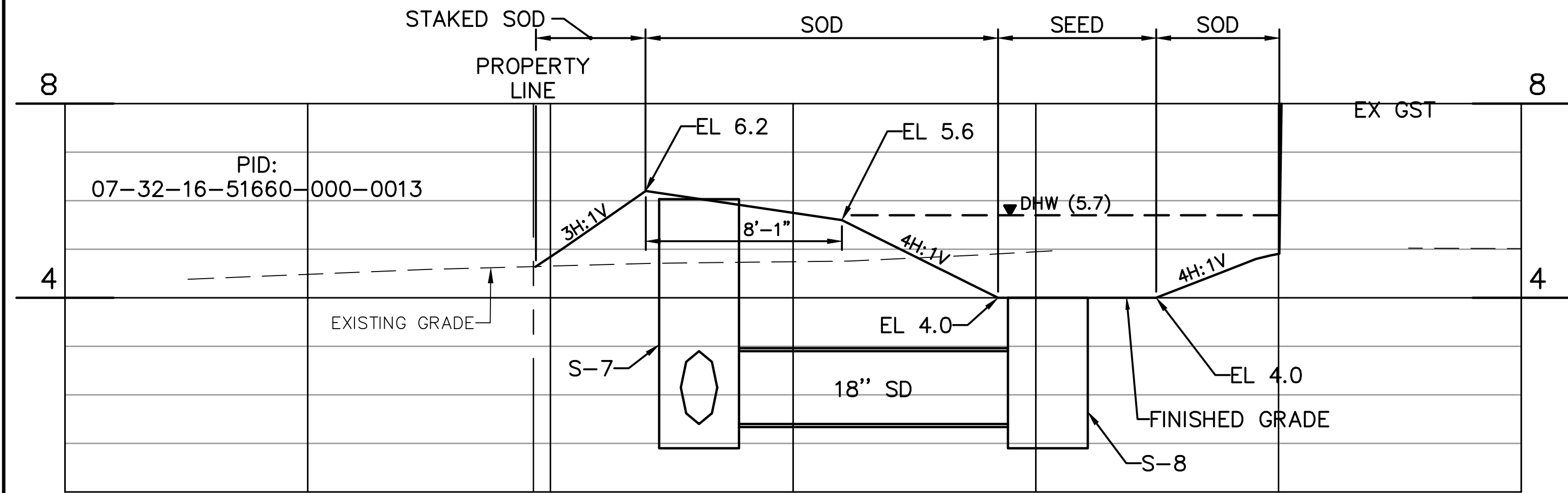
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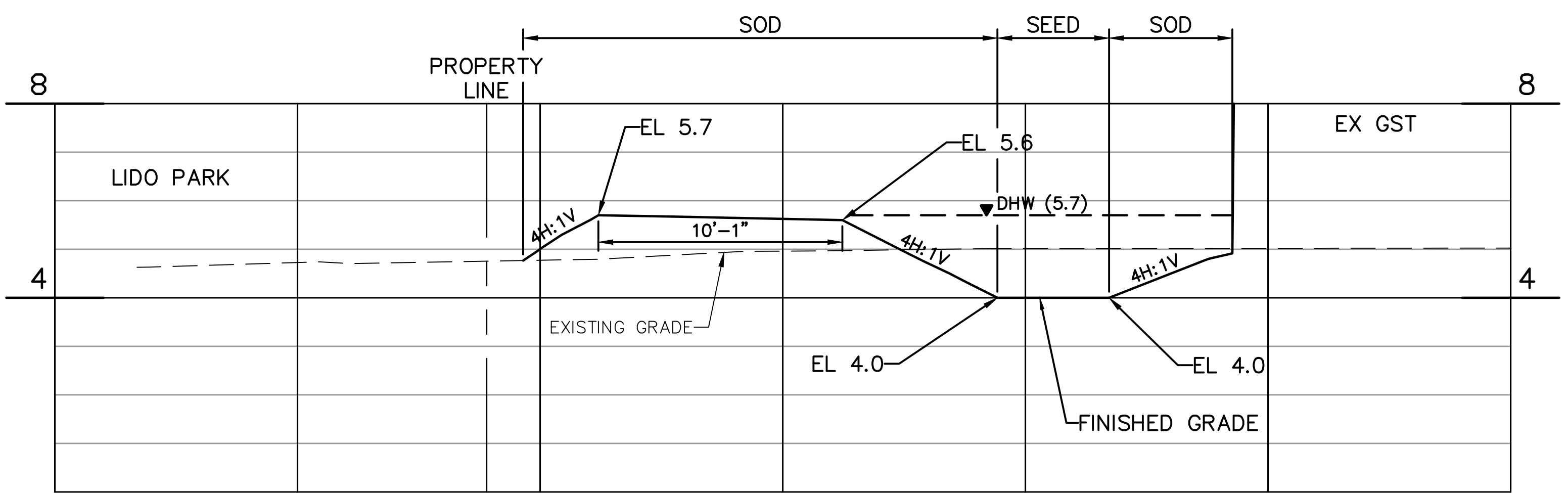
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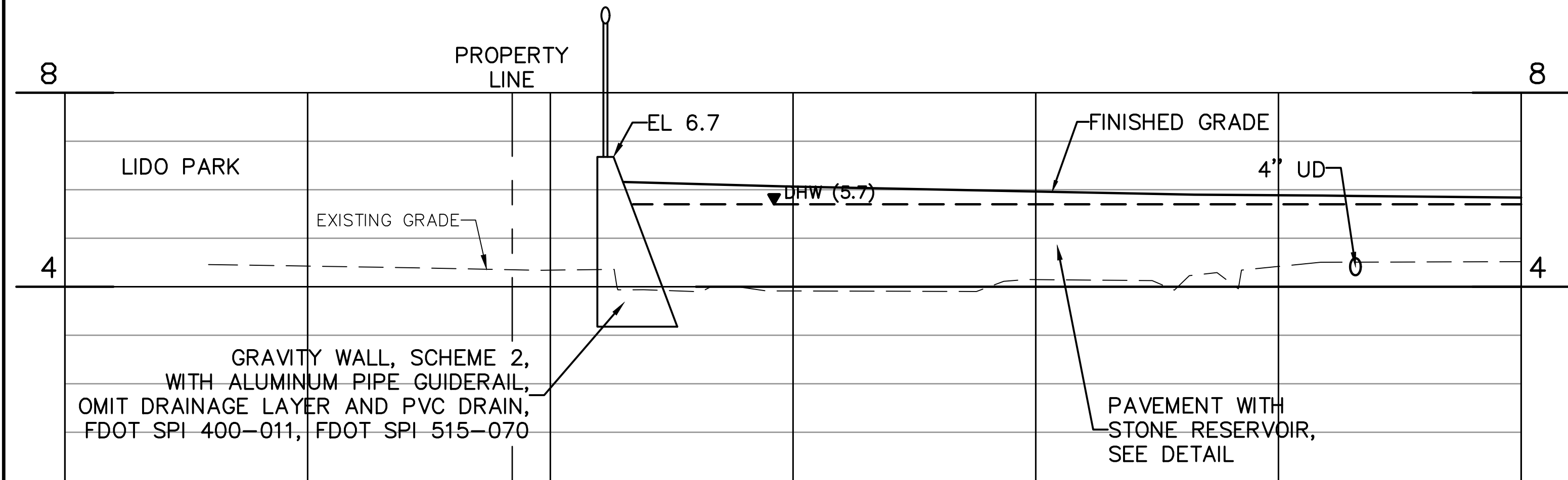
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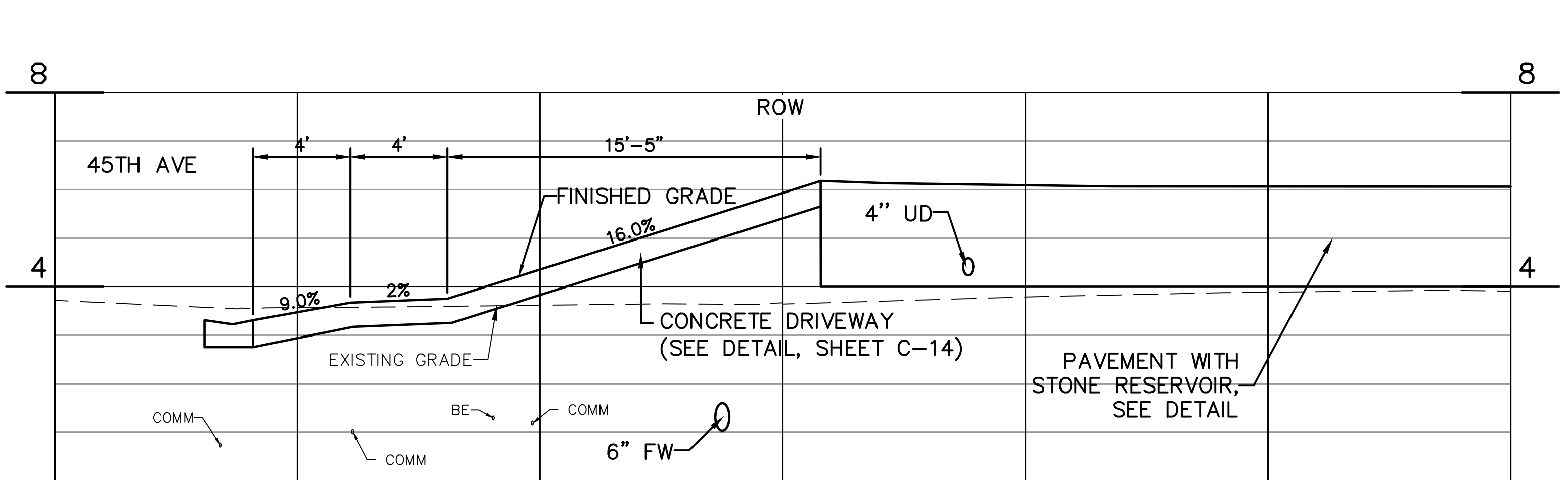
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C-7 SCALE: HORIZ 1"=4'
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4 SECTION
C-7 SCALE: HORIZ 1"=4'
VERT 1"=2'



5 SECTION
C-7 SCALE: HORIZ 1"=4'
VERT 1"=2'

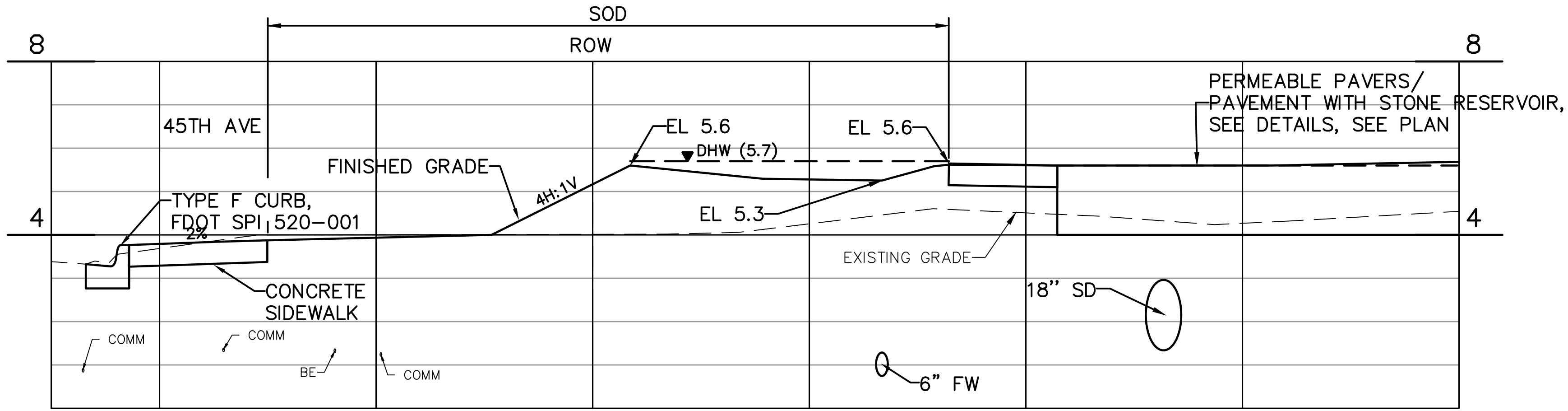


6 SECTION
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VERT 1"=2'

				DESIGNED M. HOFFMAN		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: CROSS SECTIONS II	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN D. METZ						PROJECT NO. 002150A
				CHECKED W. NICKEL						SHEET: C-13
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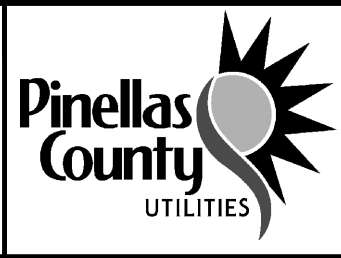
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1 SECTION
C-7 SCALE: HORIZ 1"=4'
VERT 1"=2'

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	M.HOFFMAN
DRAWN	D.METZ
CHECKED	W.NICKEL



PROJECT:	DESCRIPTION:
PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	CROSS SECTIONS III

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3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624

CERTIFICATE OF AUTHORIZATION#: 91267540

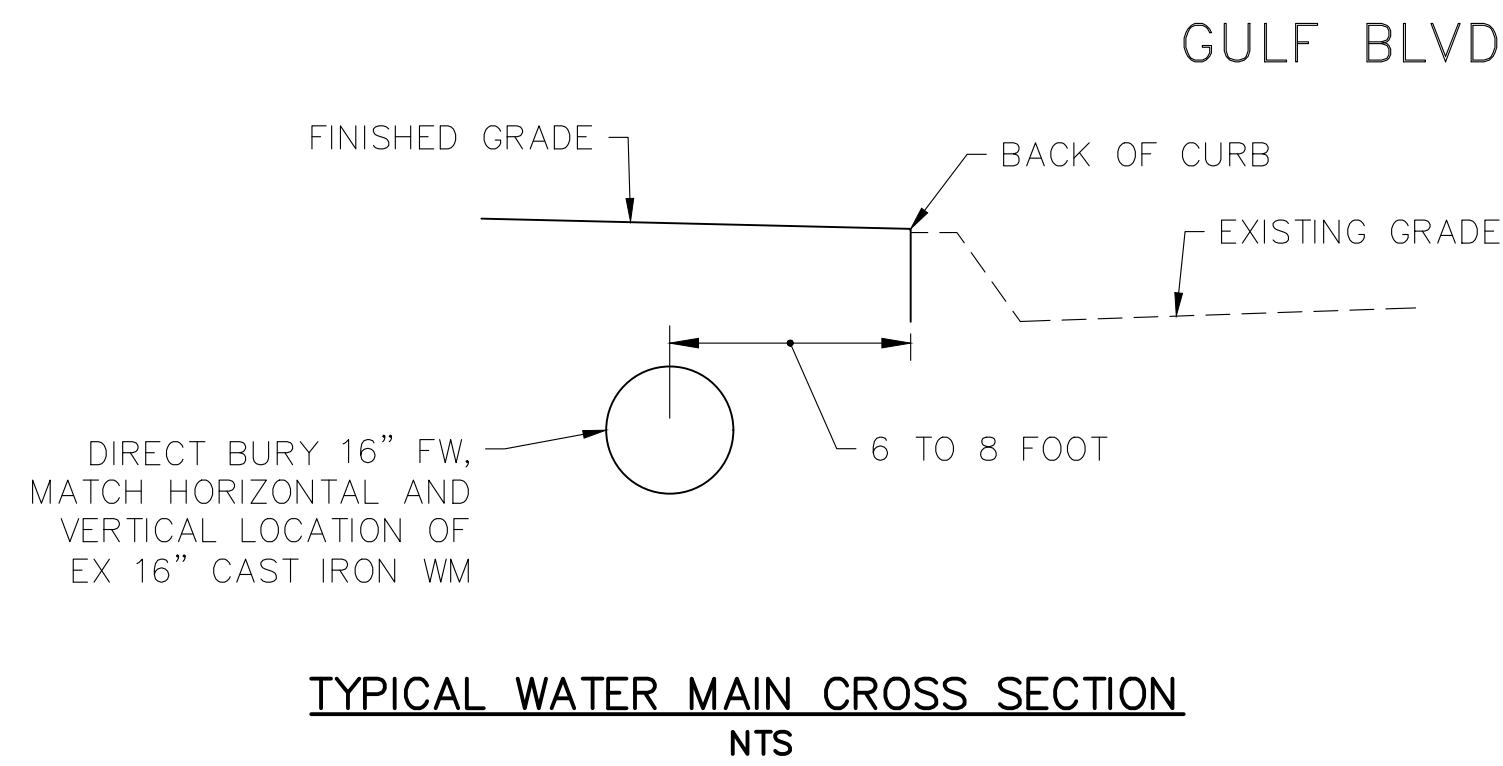
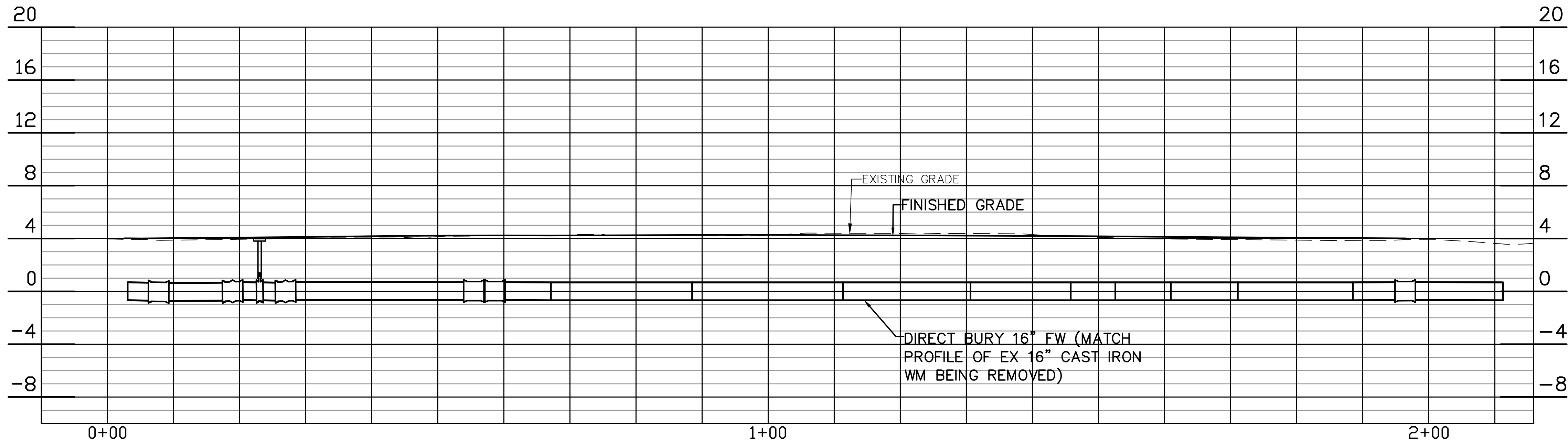
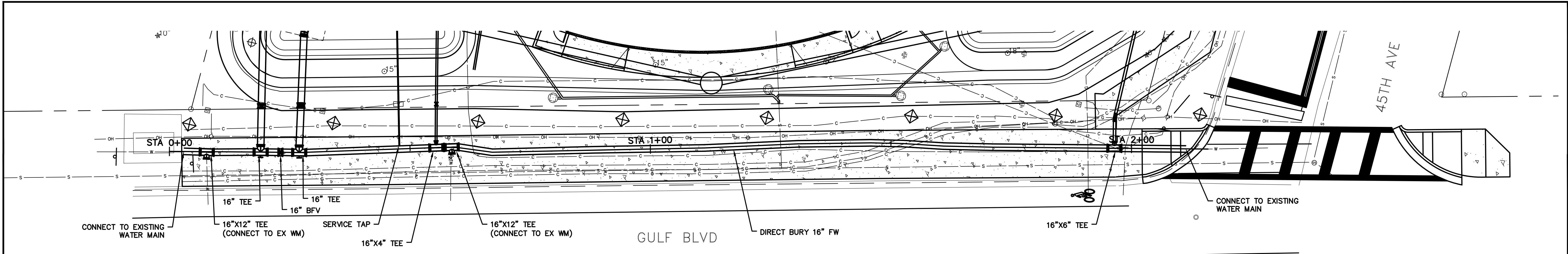
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DATE:	01-2025
PROJECT NO.	002150A
SHEET:	C-14

Approved: Michael Lemart
6/16/2026

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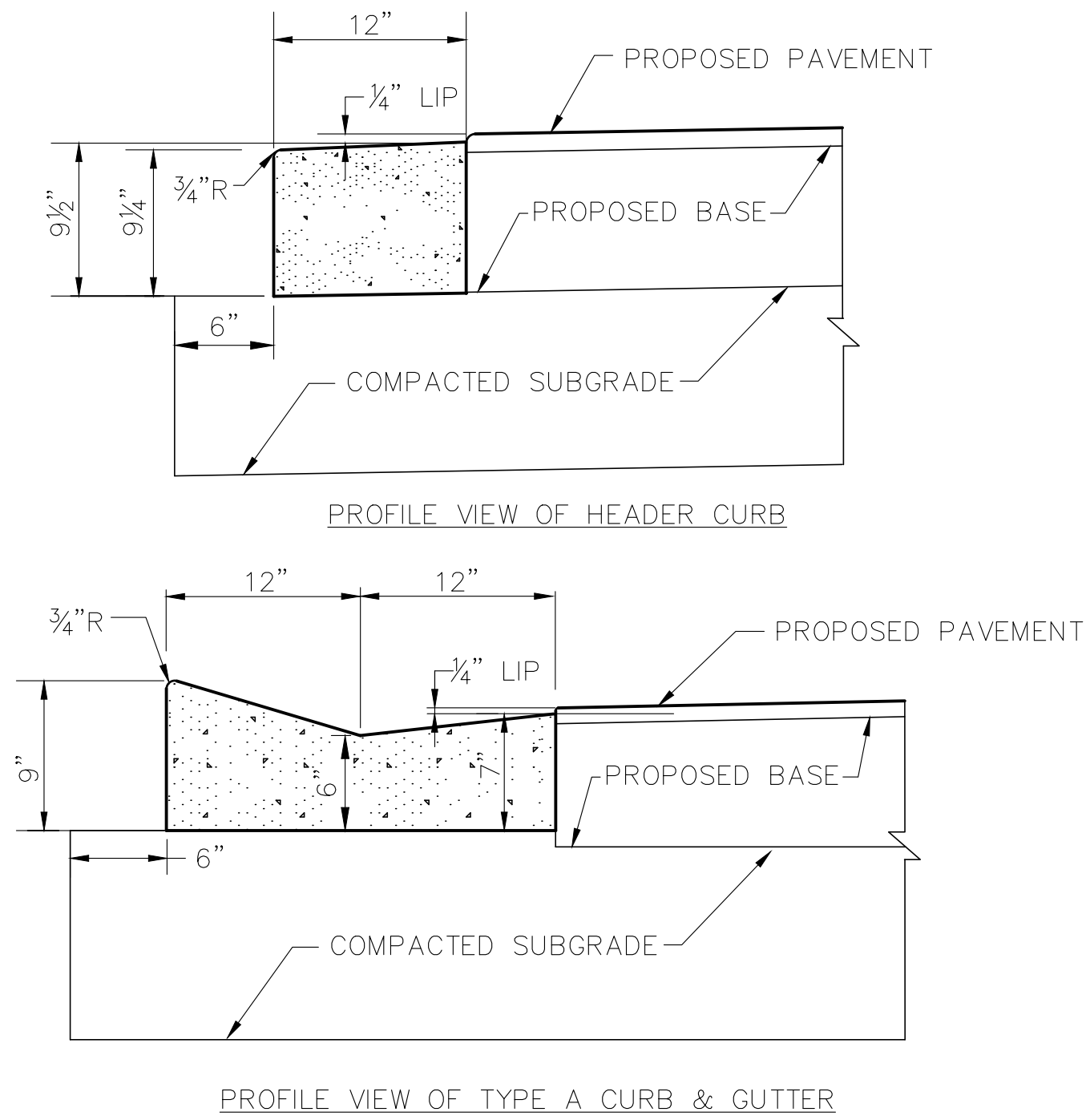


			DESIGNED M.HOFFMAN		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: GULF BOULEVARD WATER MAIN PLAN AND PROFILE	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 02-2025
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			CHECKED C.BAGGETT						SHEET: 0025-C-15
REV. NO.	DATE	DESCRIPTION	REV. BY						0006 6/16/2026

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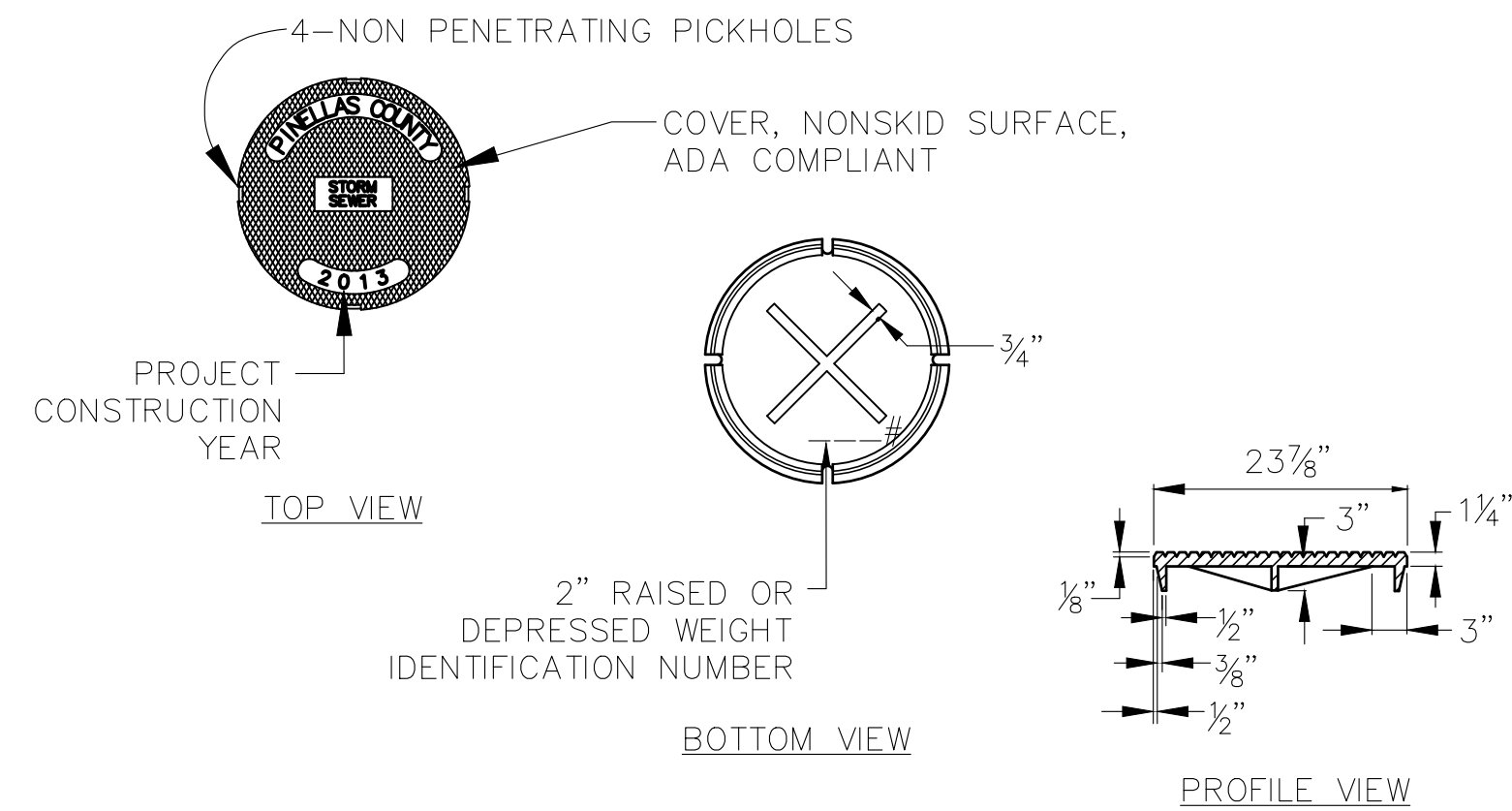
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- NOTES:
1. $\frac{1}{2}$ " EXPANSION JOINT EVERY 500', BETWEEN CURB SECTIONS, AT RADII, END OF POUR AND STRUCTURES. (CONTRACTION JOINTS EVERY 10', LONGITUDINALLY. SEE SECTION 520 OF THE F.D.O.T. STANDARD SPECIFICATIONS.)
 2. IF CURB IS BUILT IN CROSSWALK, DO NOT CONSTRUCT THE LIP PER FDOT STANDARD PLANS INDEX 522-002, PAVEMENT RELIEF DETAILS

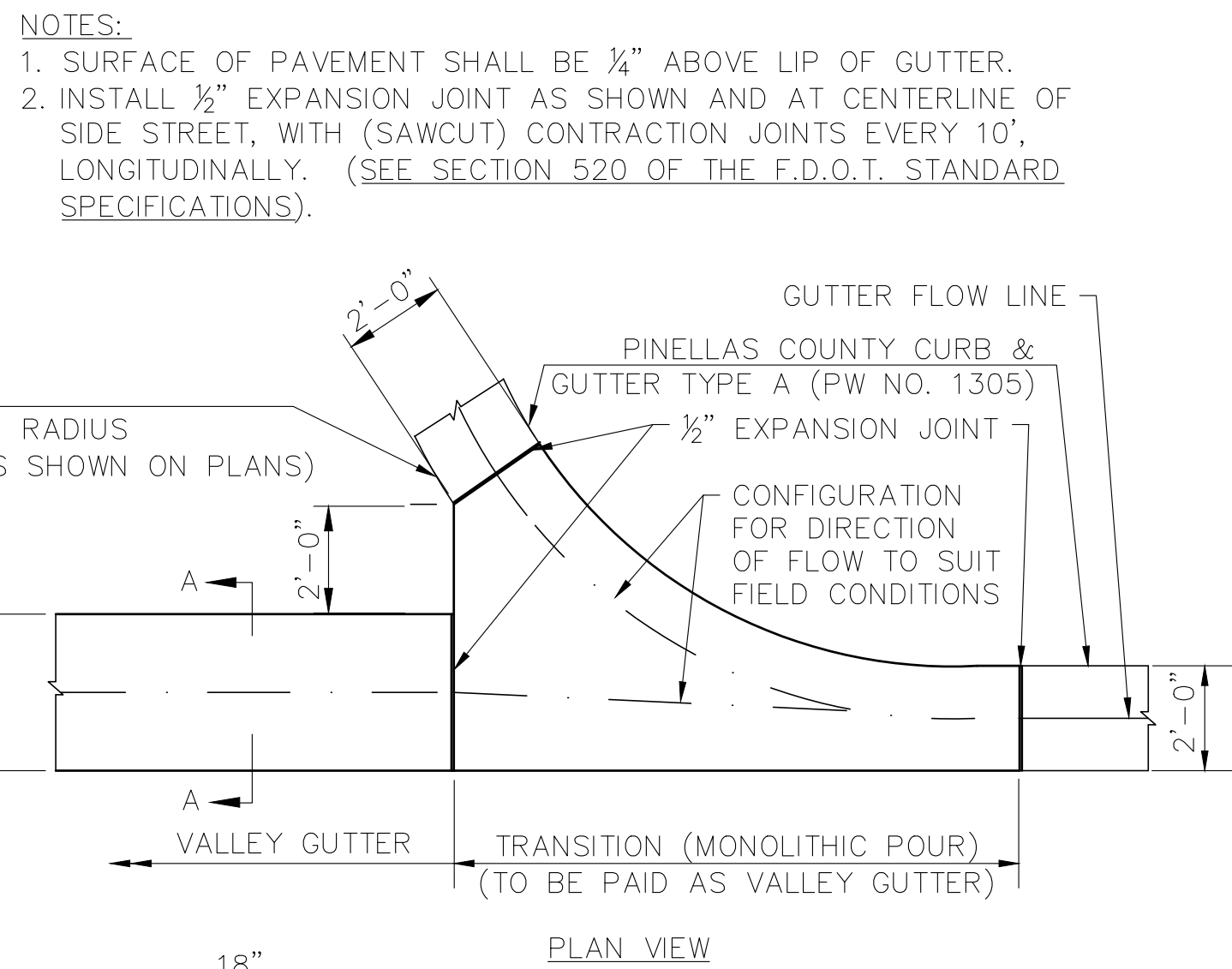


CURB AND GUTTER TYPE A AND HEADER CURB
NTS

- NOTES:
1. THIS COVER IS NOT TO BE USED FOR SANITARY SEWER MANHOLES.
 2. THIS COVER MAY BE USED WITH FRAME TYPE I, II OR III AS DETAILED IN F.D.O.T. INDEX No. 425-001. TYPE I SHALL BE USED UNLESS OTHERWISE SPECIFIED IN THE PLANS.
 3. MATERIALS AND FABRICATION SHALL CONFORM TO SECTION 425 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 4. COVERS FOR UNDERDRAIN INSPECTION BOXES SHALL BE LABELED UNDERDRAIN AND NOT STORM SEWER.

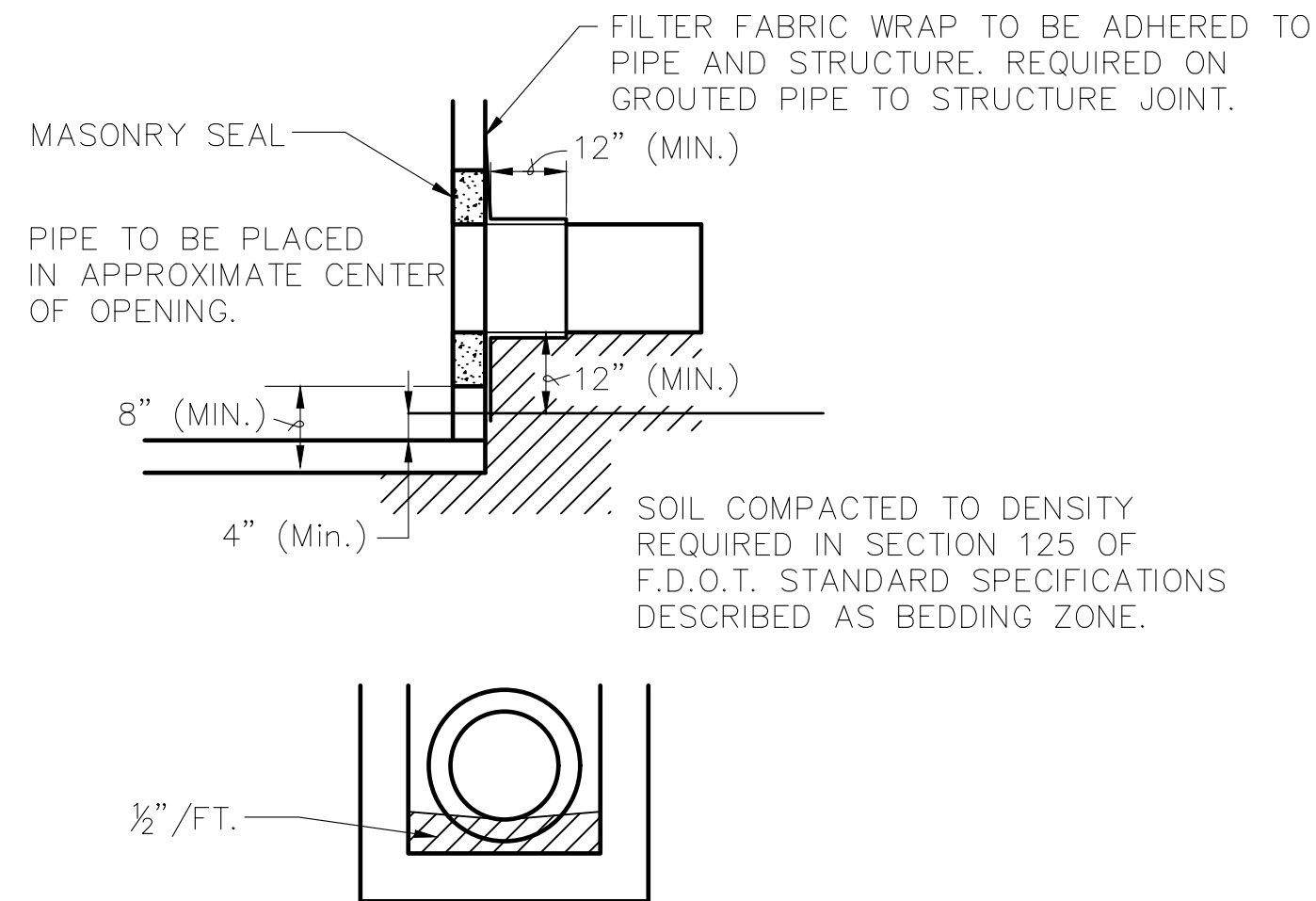


STORM SEWER COVER
NTS



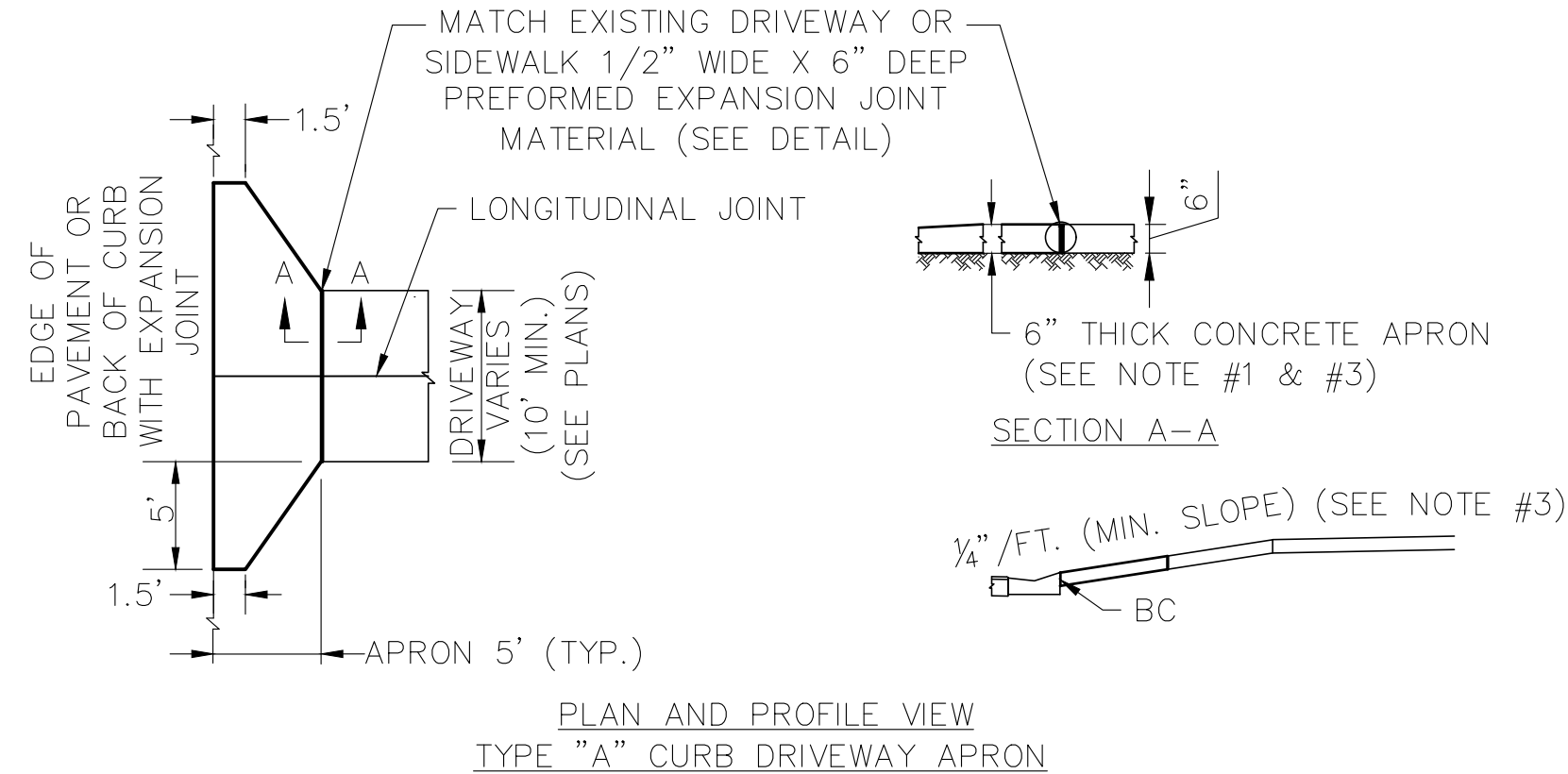
VALLEY GUTTER AND TRANSITION
NTS

- NOTES:
1. GROUT TO CONSIST OF 3:1 SAND-CEMENT MIXTURE OR ANY CLASS CONCRETE.
 2. FOR ALL STRUCTURES, UNLESS EXCLUDED BY SPECIAL DETAIL, BRICKS SHALL NOT BE USED IN THIS AREA, UNLESS THEY ARE COVERED WITH 4" THICK (MIN.) CONCRETE ABOVE THE BRICKS.



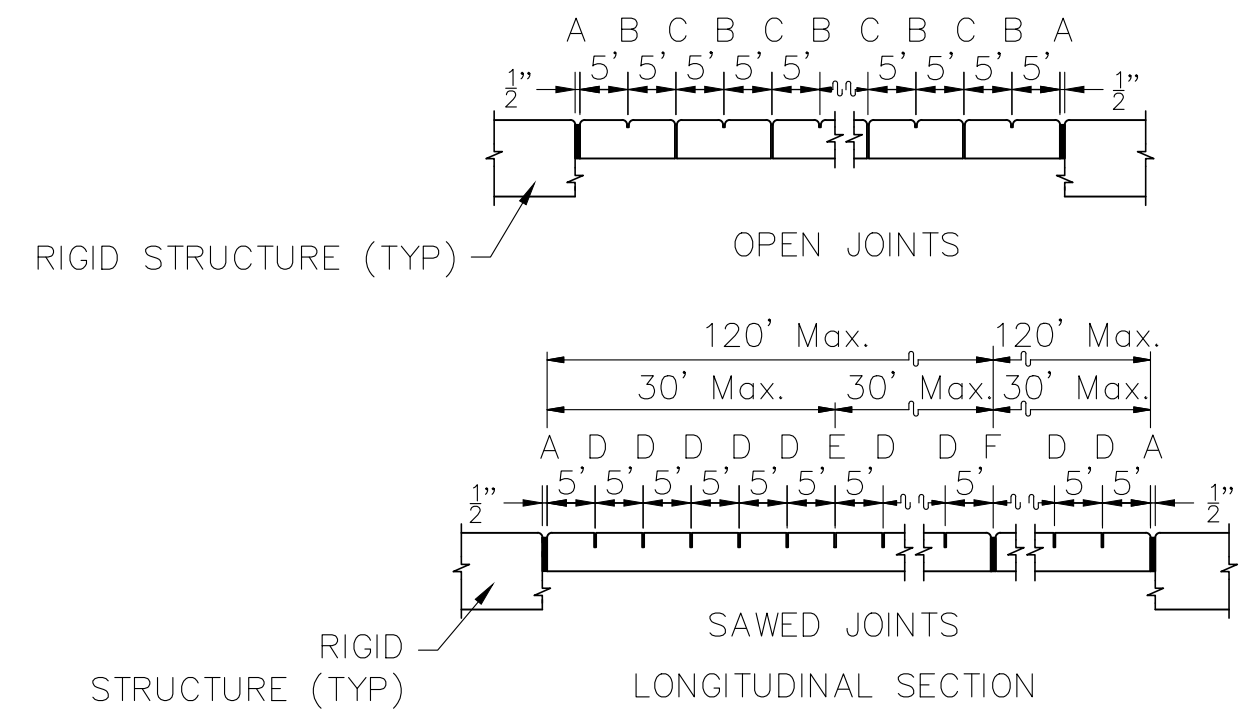
FILTER FABRIC WRAP AND GROUT AT STRUCTURES
NTS

- NOTES:
1. CONCRETE DRIVEWAY APRONS AND SIDEWALK CROSSINGS SHALL BE CONSTRUCTED OF CONCRETE PAVEMENT (3000 PSI), 6" THICK REINFORCED WITH 6" X 6" #10/#10 WELDED WIRE FABRIC, (2" MINIMUM COVER FROM THE BOTTOM.)
 2. FIBER REINFORCED CONCRETE 3000 PSI (MIN.) MAY BE USED IN PLACE OF THE REQUIREMENTS OF NO. 1 ABOVE.
 3. CONSTRUCTION OF APRON/DRIVEWAY CROSS SLOPES AND SIDEWALK CROSS SLOPE THROUGH THE DRIVEWAY SHALL COMPLY WITH F.D.O.T. INDEX NO. 522-003 FOR ADA REQUIREMENTS.
 4. REMOVE TREE ROOTS WITHIN 10" OF PROPOSED GRADE.
 5. WHEN THERE IS EXISTING SIDEWALK CROSSING THE PROPOSED DRIVEWAY, IT MUST BE REMOVED TO THE NEAREST JOINT BEYOND THE DRIVEWAY.
 6. SIDEWALKS ADJACENT TO LOT PROPERTY LINES SHALL NOT HAVE A CROSS SLOPE GREATER THAN 2% PER F.D.O.T. INDEX 522-001.
 7. THERE SHOULD BE AT LEAST ONE LONGITUDINAL CONTROL JOINT AT THE CENTER LINE FOR ALL DRIVEWAYS UP TO 18-FT WIDE. LONGITUDINAL CONTROL JOINT SHOULD NOT EXCEED 8-FT ON ALL DRIVEWAYS WIDER THAN 18-FT. MATCH JOINTS IN CURB AND GUTTER TO JOINTS IN DRIVEWAYS.



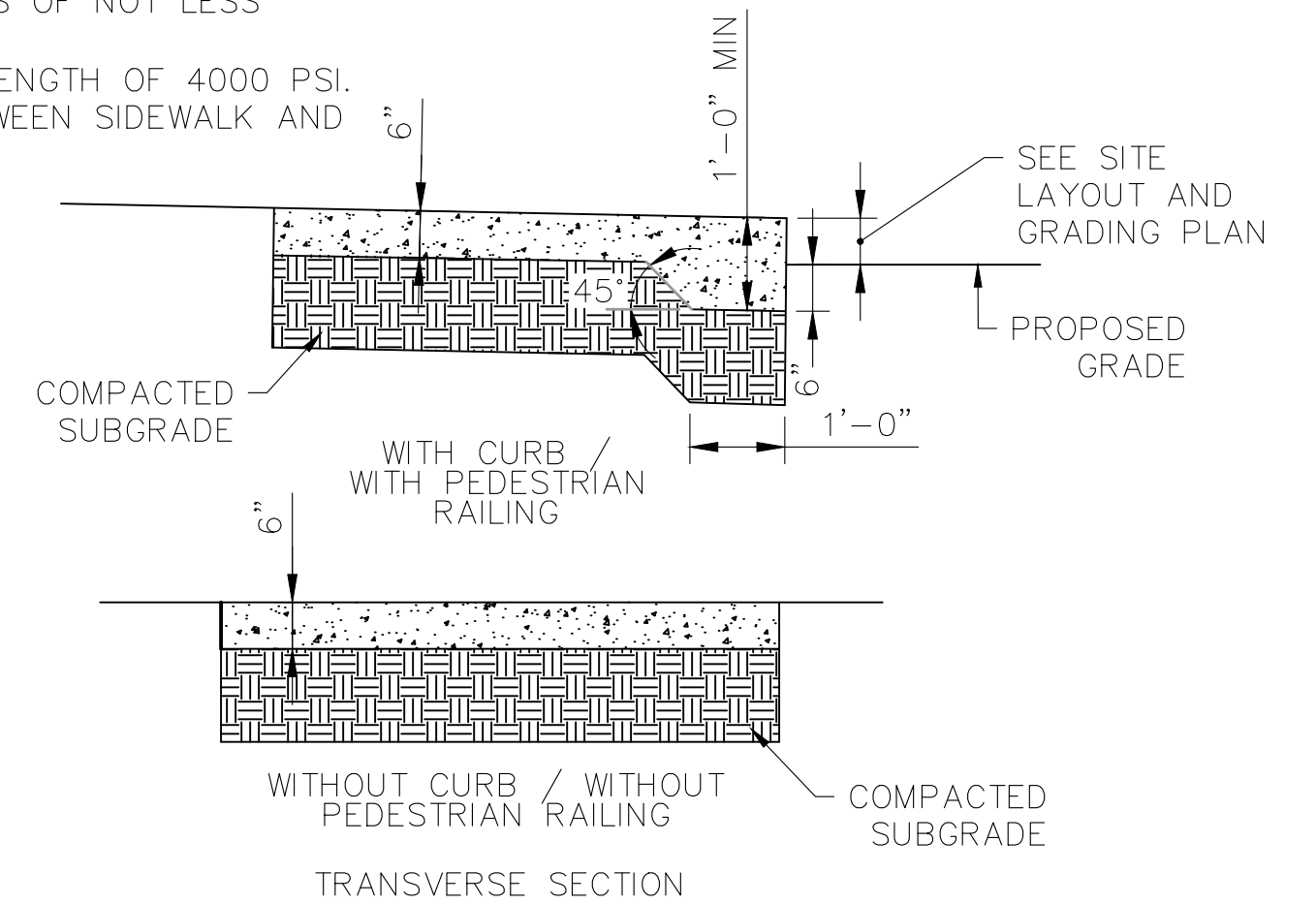
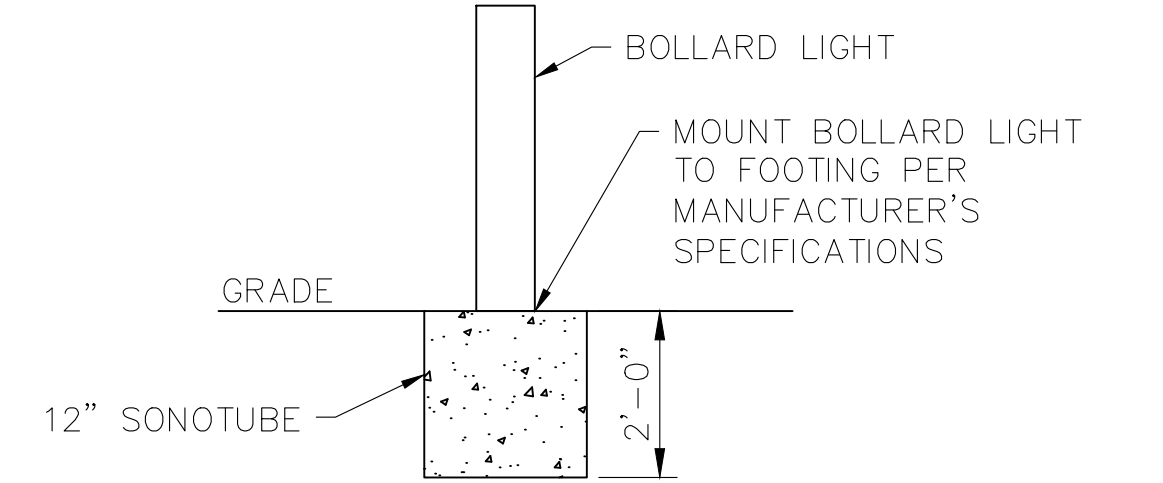
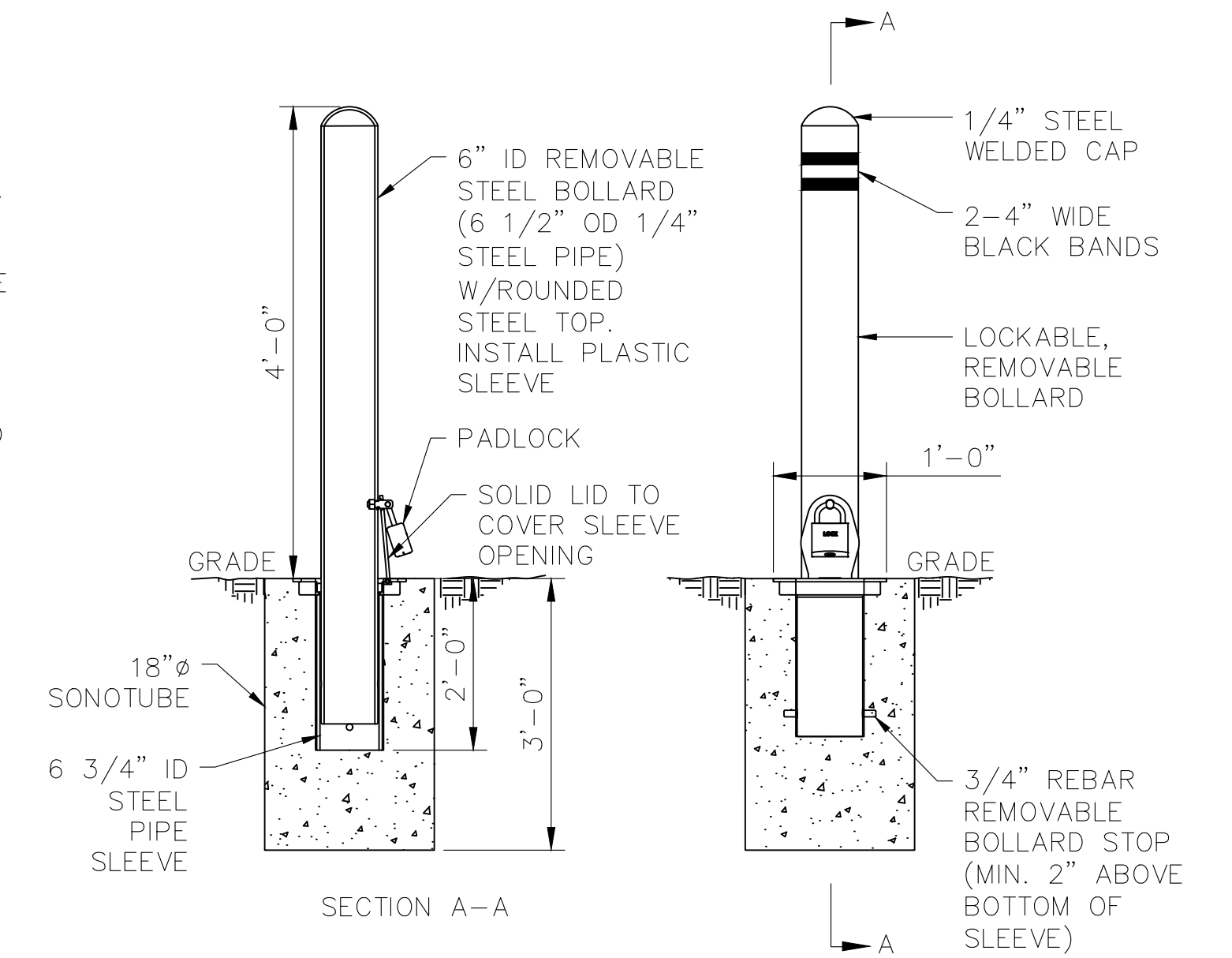
CONCRETE DRIVEWAY APRON
NTS

- NOTES:
1. SEE SITE LAYOUT AND GRADING PLAN FOR WIDTH.
 2. CONSTRUCT SIDEWALKS IN ACCORDANCE WITH SPECIFICATION 32 16 23.
 3. BOND BREAKER MATERIAL CAN BE ANY IMPERMEABLE COATED OR SHEET MEMBRANE OR PREFORMED MATERIAL HAVING A THICKNESS OF NOT LESS THAN 6 MILS AND NOT MORE THAN 1/2".
 4. CONCRETE SIDEWALK TO HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 5. USE 1/2" EXPANSION JOINT (PREFORMED JOINT FILLER) BETWEEN SIDEWALK AND ALL OTHER FIXED OBJECTS.



- LEGEND:
- A- $\frac{1}{2}$ " EXPANSION JOINTS (PREFORMED JOINT FILLER) BETWEEN THE SIDEWALK AND; DRIVEWAYS, SIDEWALK-INTERSECTIONS, AND ALL OTHER FIXED OBJECTS (E.G. DRAINAGE INLETS AND UTILITY POLES).
 - B- $\frac{1}{8}$ " CONTRACTION JOINTS, TOOLED
 - C- $\frac{1}{8}$ " FORMED OPEN JOINTS
 - D- $\frac{3}{16}$ " SAW CUT JOINTS, 1 1/2" DEEP (WITHIN 96 HOURS) MAX. 5' CENTERS
 - E- $\frac{3}{16}$ " SAW CUT JOINTS, 1 1/2" DEEP (WITHIN 12 HOURS) MAX. 30' CENTERS JOINT(S) REQUIRED WHEN LENGTH EXCEEDS 30'
 - F- $\frac{1}{2}$ " EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'. INTERMEDIATE LOCATIONS WHEN CALLED FOR IN THE PLANS OR AT LOCATIONS AS DIRECTED BY THE ENGINEER.
 - G- COLD JOINT WITH BOND BREAKER, TOOLED

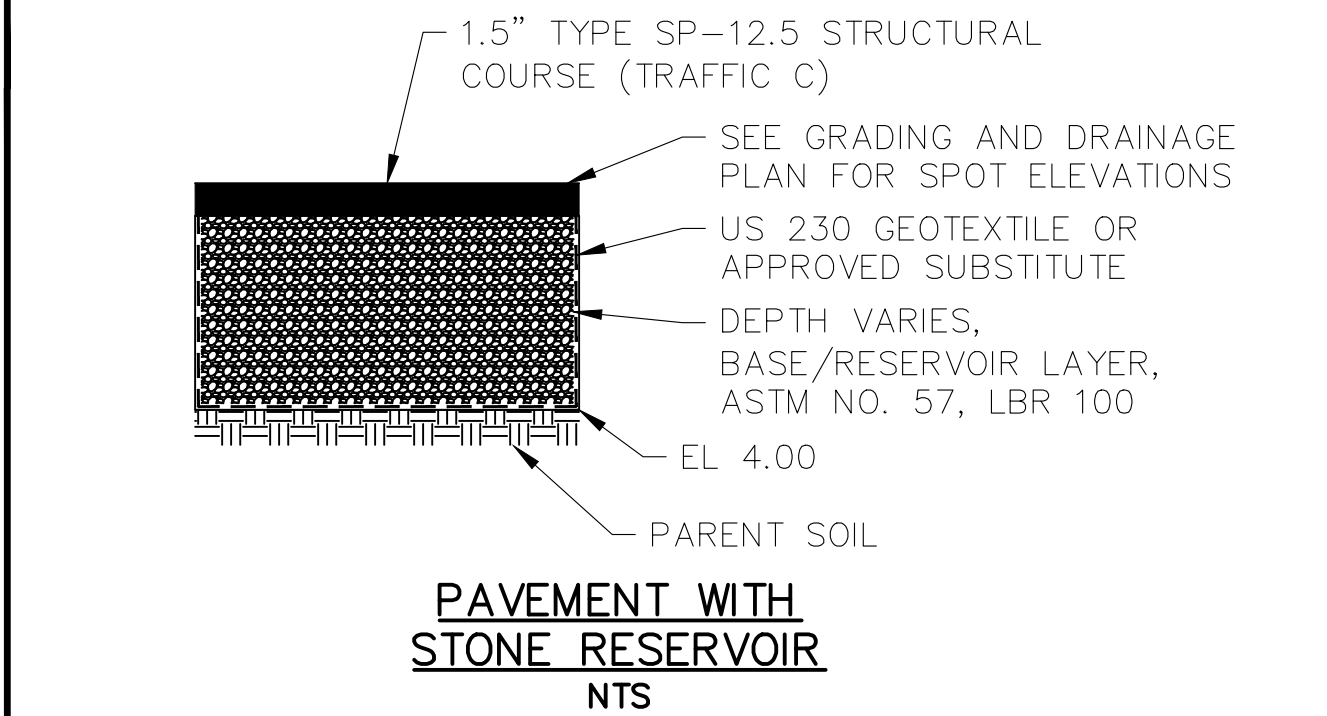
CONCRETE SIDEWALK
NTS



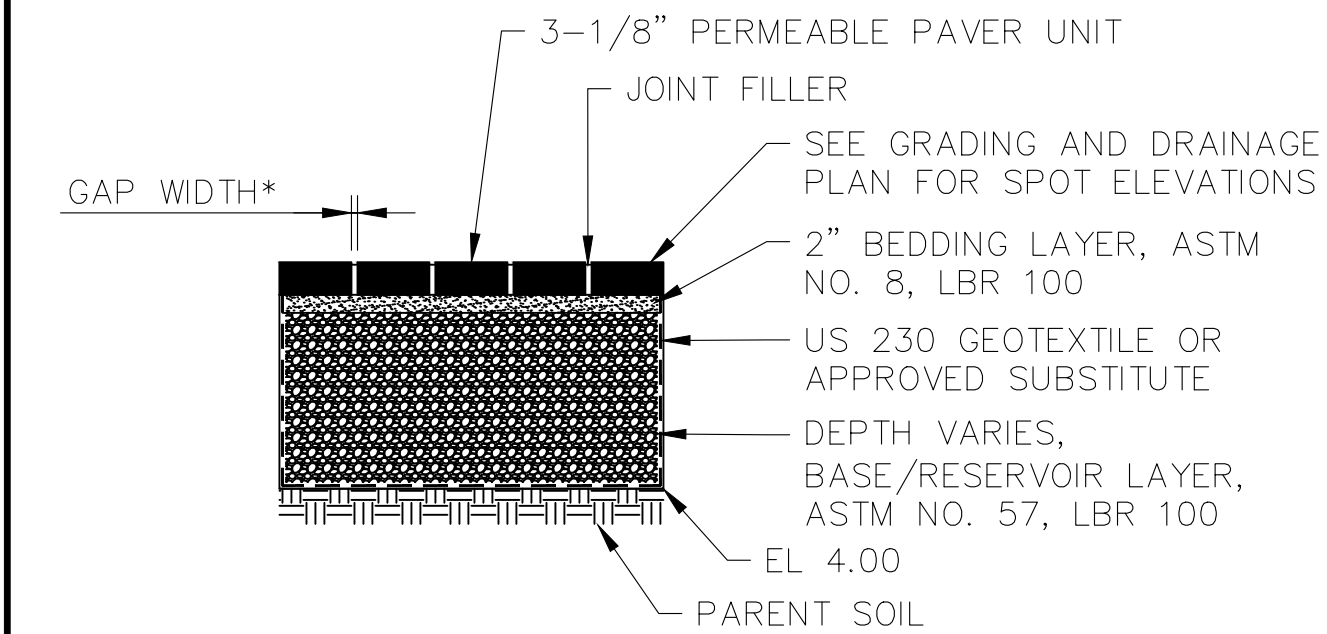
			DESIGNED M. HOFFMAN		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: CIVIL DETAILS I	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
			DRAWN D. METZ						PROJECT NO. 002150A
			CHECKED W. NICKEL						SHEET: 2025-C-789-00006 C-16
REV. NO.	DATE	DESCRIPTION	REV. BY						

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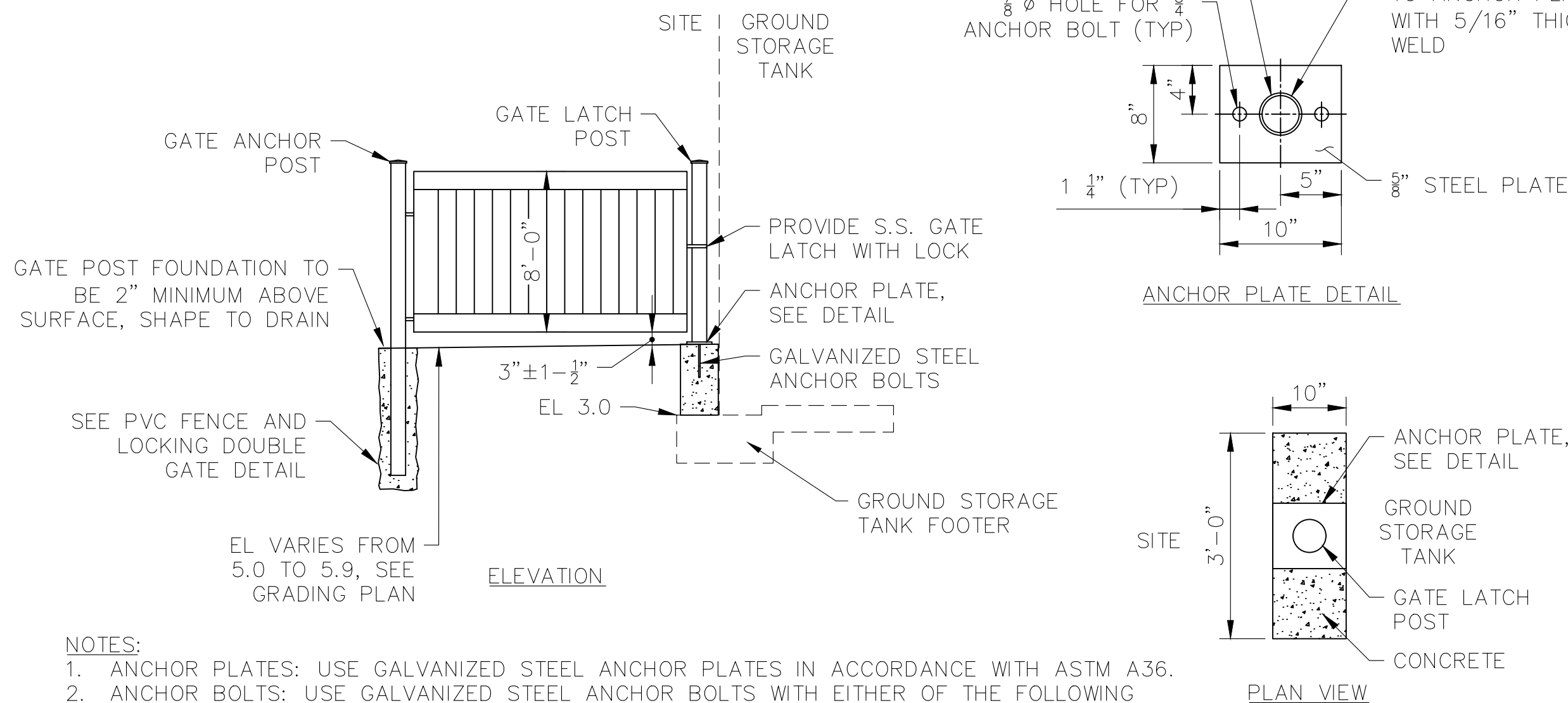
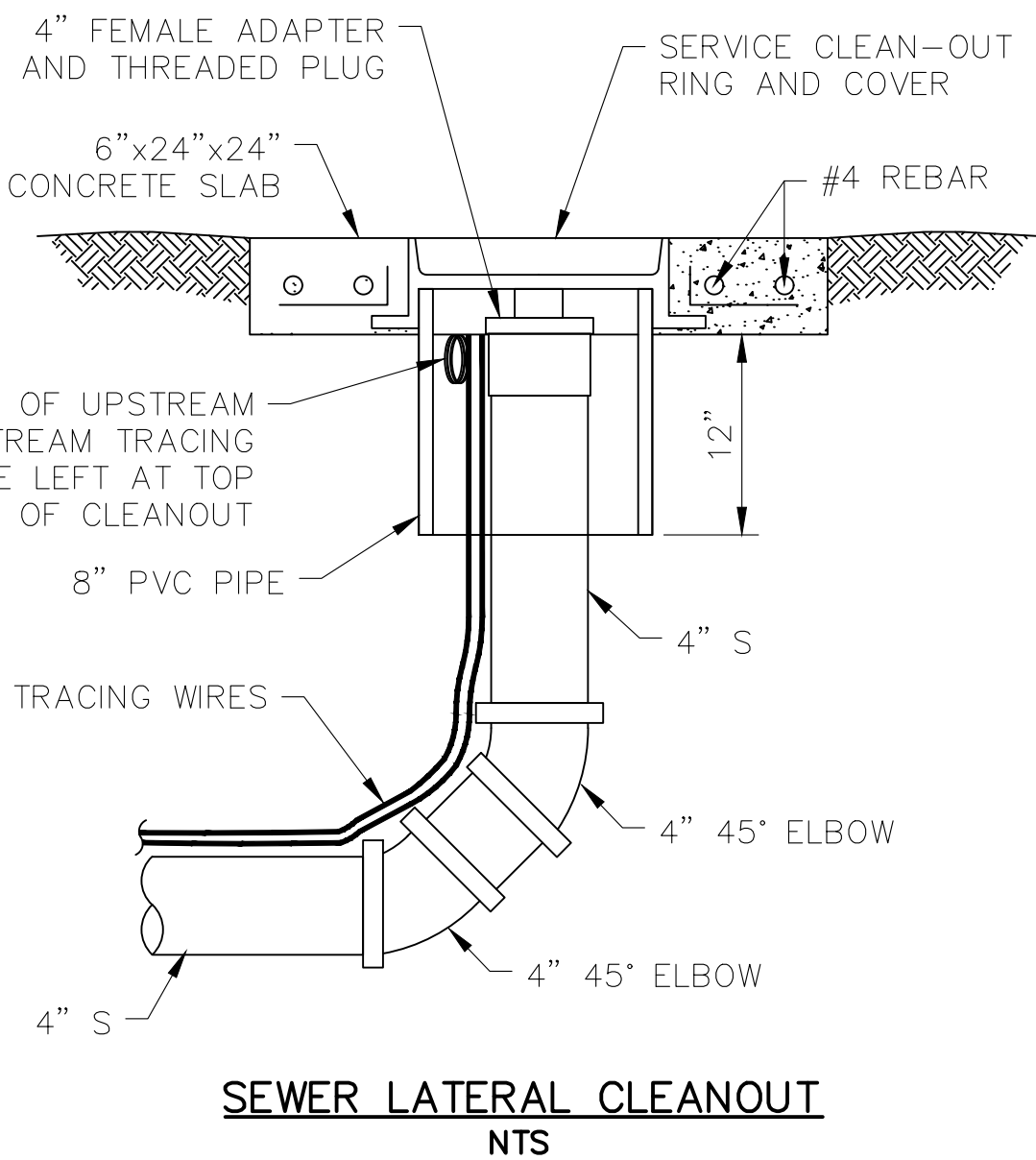
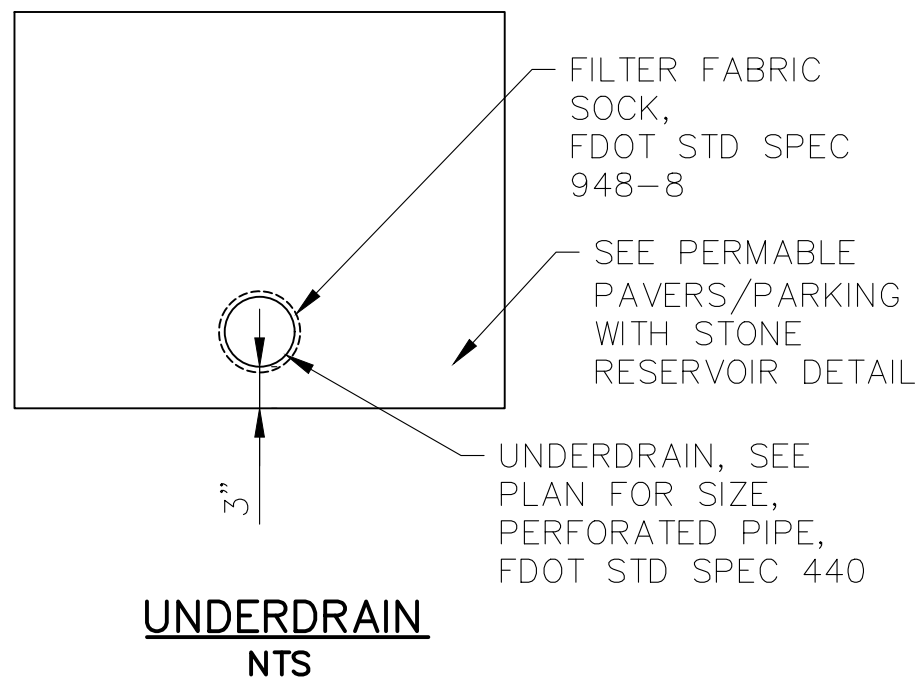
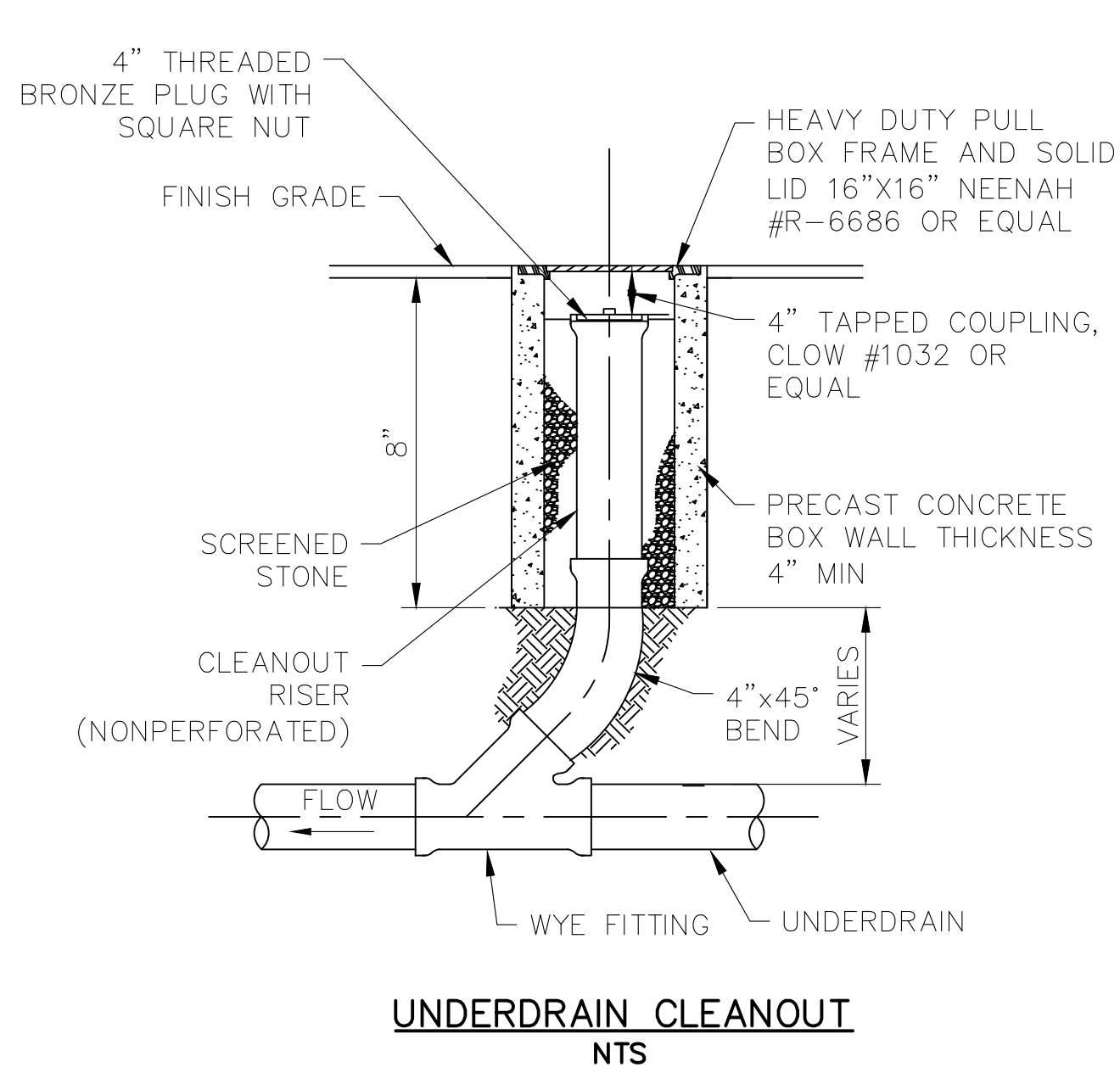
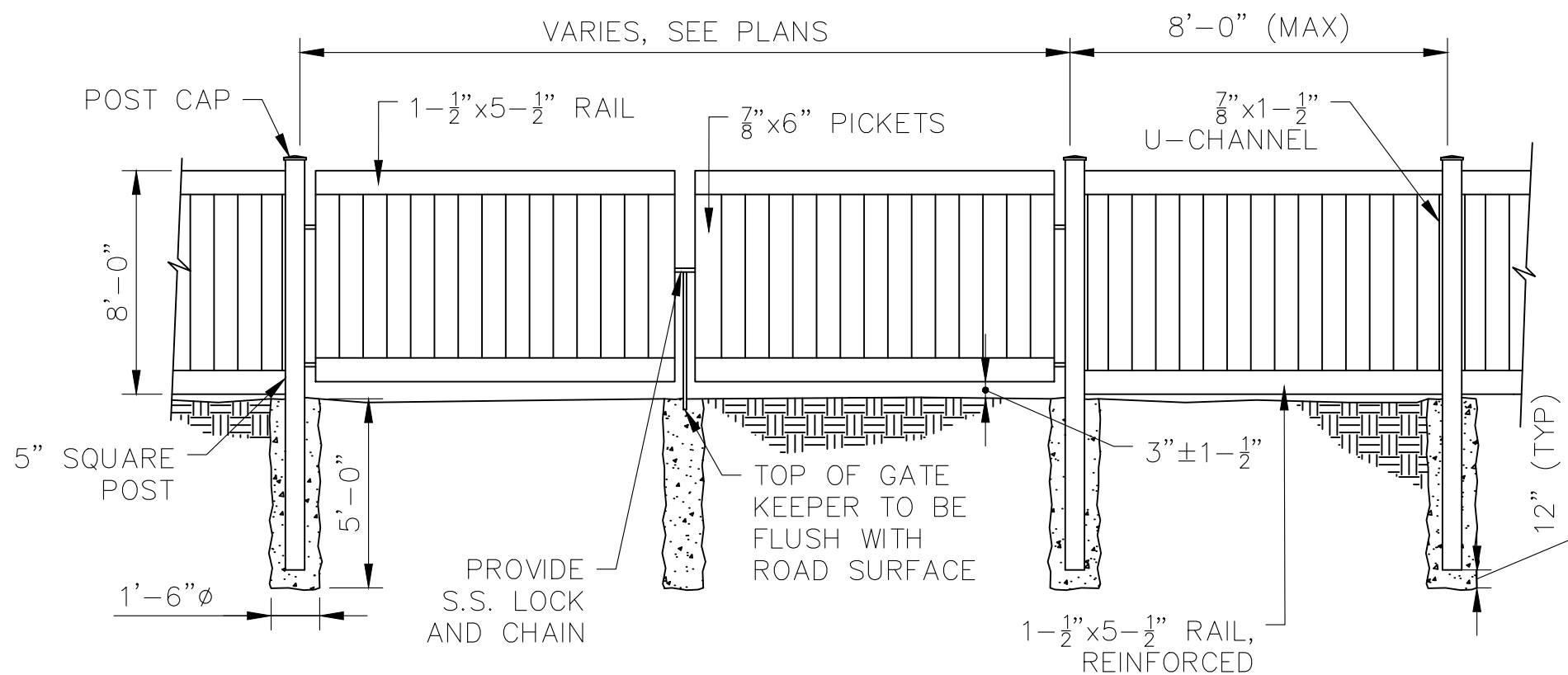
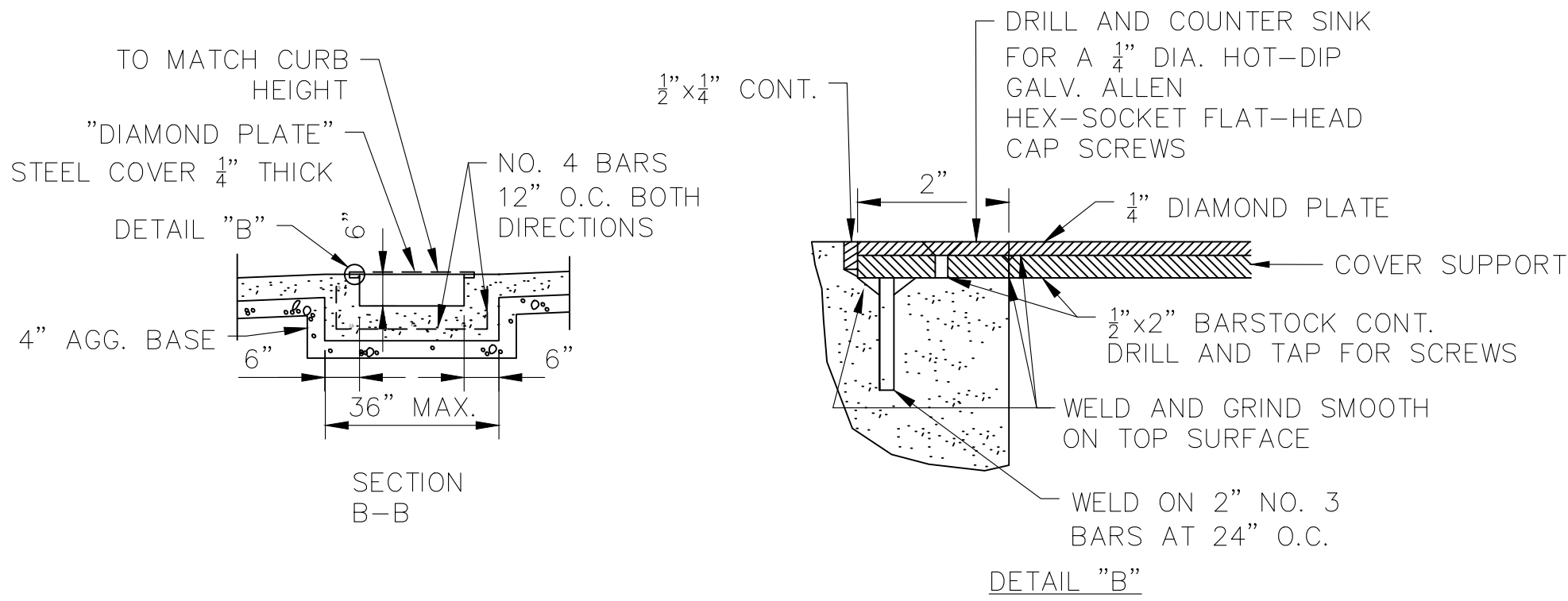
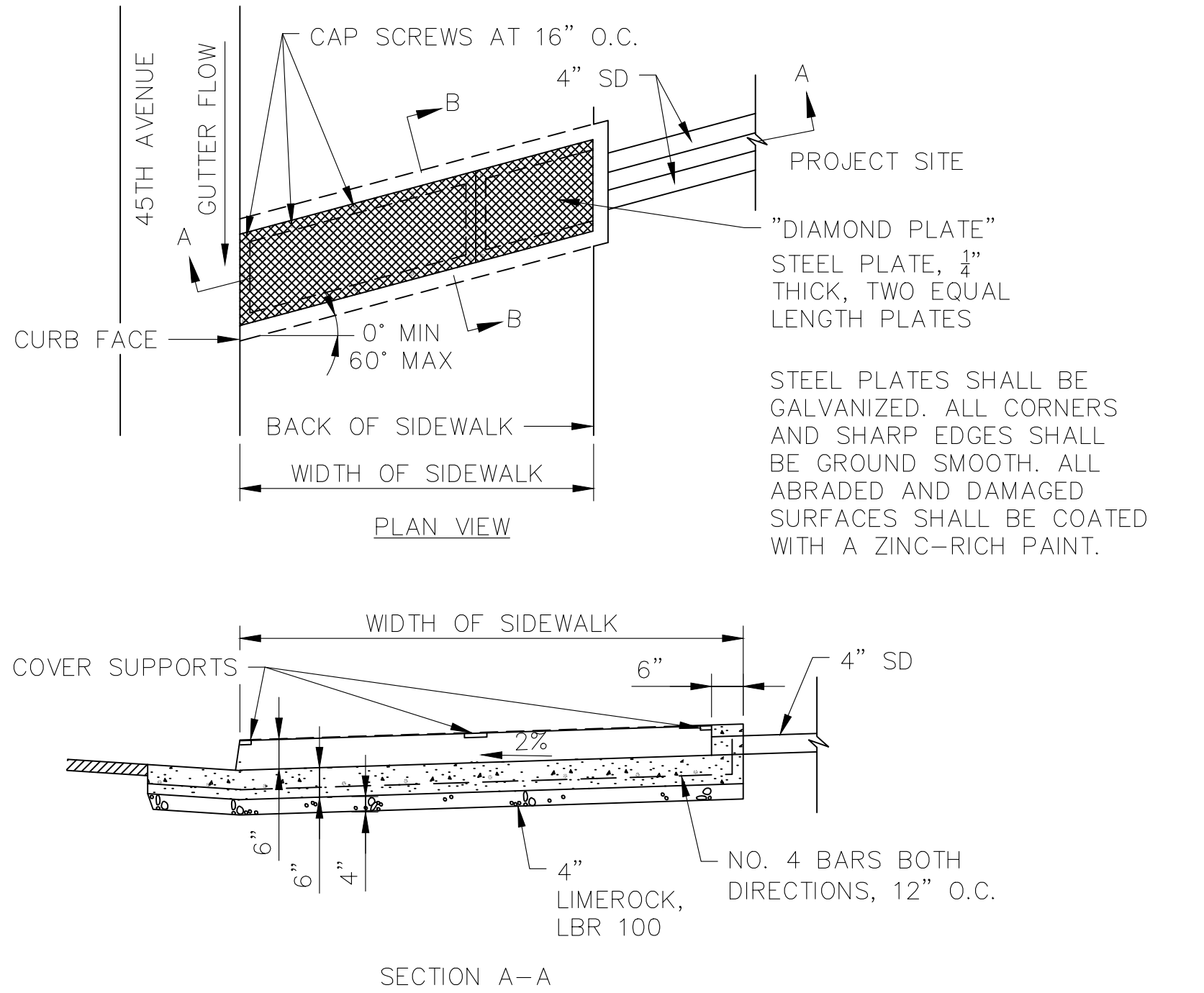
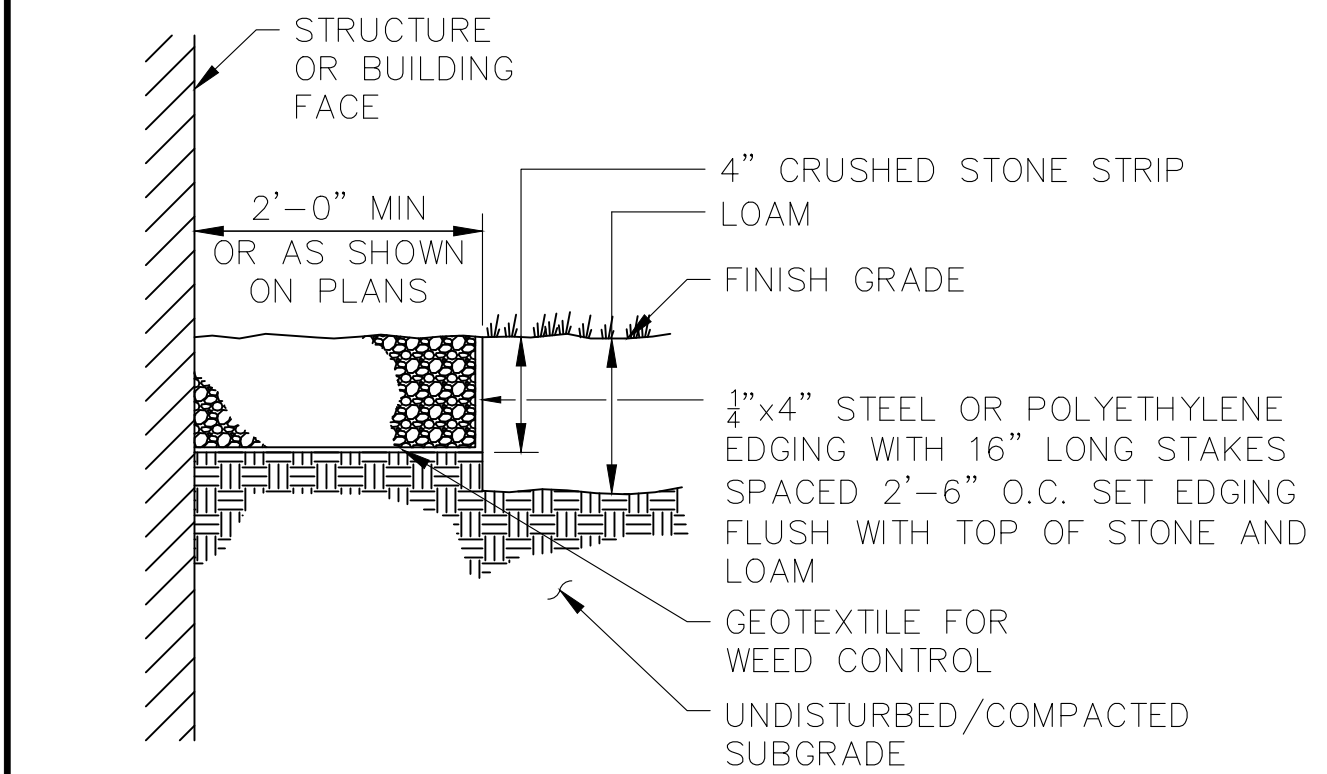
- NOTES:
1. PARENT SOIL TO HAVE A MAXIMUM COMPACTION OF 95% AND A MINIMUM COMPACTION OF 92% MODIFIED PROCTOR DENSITY (ASTM D-1557) TO A TOTAL DEPTH OF 24 INCHES.
 2. PARENT SOIL UNDERLYING AREAS WITH PREVIOUSLY EXISTING PAVEMENT SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 24 INCHES AND RE-GRADE TO PREVIOUSLY MENTIONED COMPACTION.
 3. MATERIAL FINER THAN NO. 100 SIEVE SHALL NOT EXCEED 2 PERCENT FOR ANY AGGREGATE LAYER.



- NOTES:
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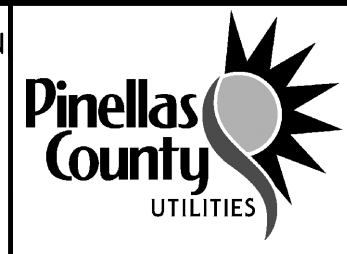
GAP WIDTH (IN)*	JOINT FILLER AGGREGATE
3/8 OR 1/2	ASTM NO. 5
1/4	ASTM NO. 9 OR 89
1/8	ASTM NO. 10



- NOTES:
1. ANCHOR PLATES: USE GALVANIZED STEEL ANCHOR PLATES IN ACCORDANCE WITH ASTM A36.
 2. ANCHOR BOLTS: USE GALVANIZED STEEL ANCHOR BOLTS WITH EITHER OF THE FOLLOWING OPTIONS:
 - a. 3/4 inch BOLT, HEADED: 11 inch LENGTH CAST IN PLACE WITH 9 inch EMBEDMENT
 - b. 3/4 inch BOLT, HEADLESS: 8 1/2 inch LENGTH ADHESIVE ANCHORS WITH 6 1/2 inch EMBEDMENT, THREADED FULL LENGTH, USING DRILLED HOLES AND AN ADHESIVE MATERIAL SYSTEM IN ACCORDANCE WITH FDOT STD SPEC 416 AND 937

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	M. HOFFMAN
DRAWN	D. METZ
CHECKED	W. NICKEL



PROJECT:	PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS
DESCRIPTION:	CIVIL DETAILS II

WRIGHT-PIERCE
800.422.1095 | www.wright-pierce.com
3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624
CERTIFICATE OF AUTHORIZATION#: 91267540

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DATE:	01-2025
PROJECT NO.	002150A
SHEET:	C-17

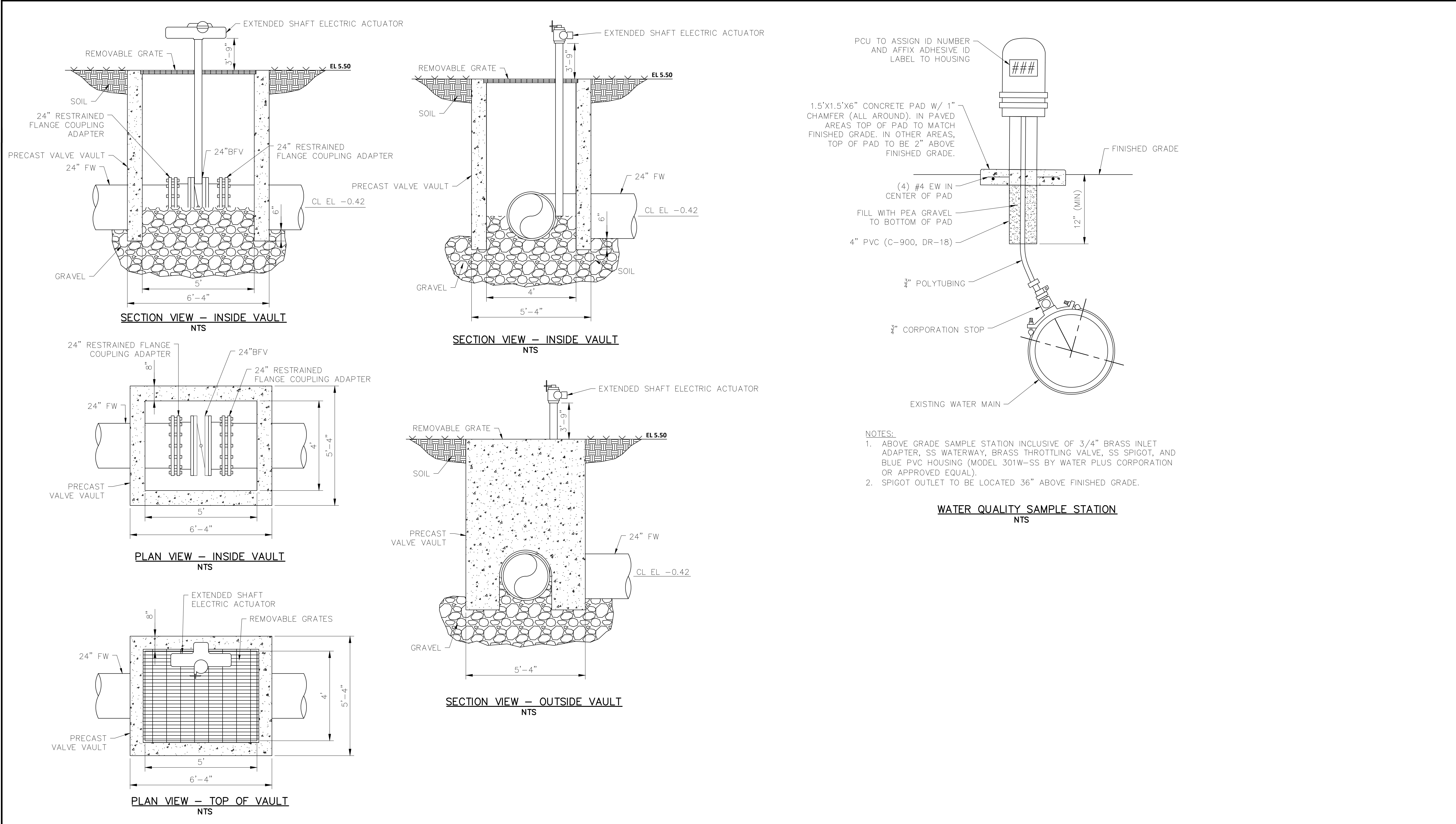
2025-C-299-00006
Michael Lemart
6/16/2026



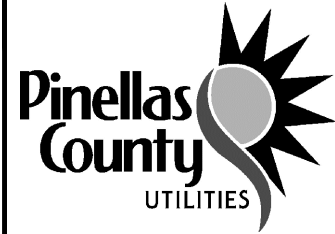
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				DESIGNED <u>M. HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: CIVIL DETAILS III	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
			DRAWN <u>D. METZ</u>	PROJECT NO. 002150A						
			CHECKED <u>C. BAGGETT</u>	SHEET 2025-C-789-00						
REV. NO.	DATE	DESCRIPTION	REV. BY							C-18

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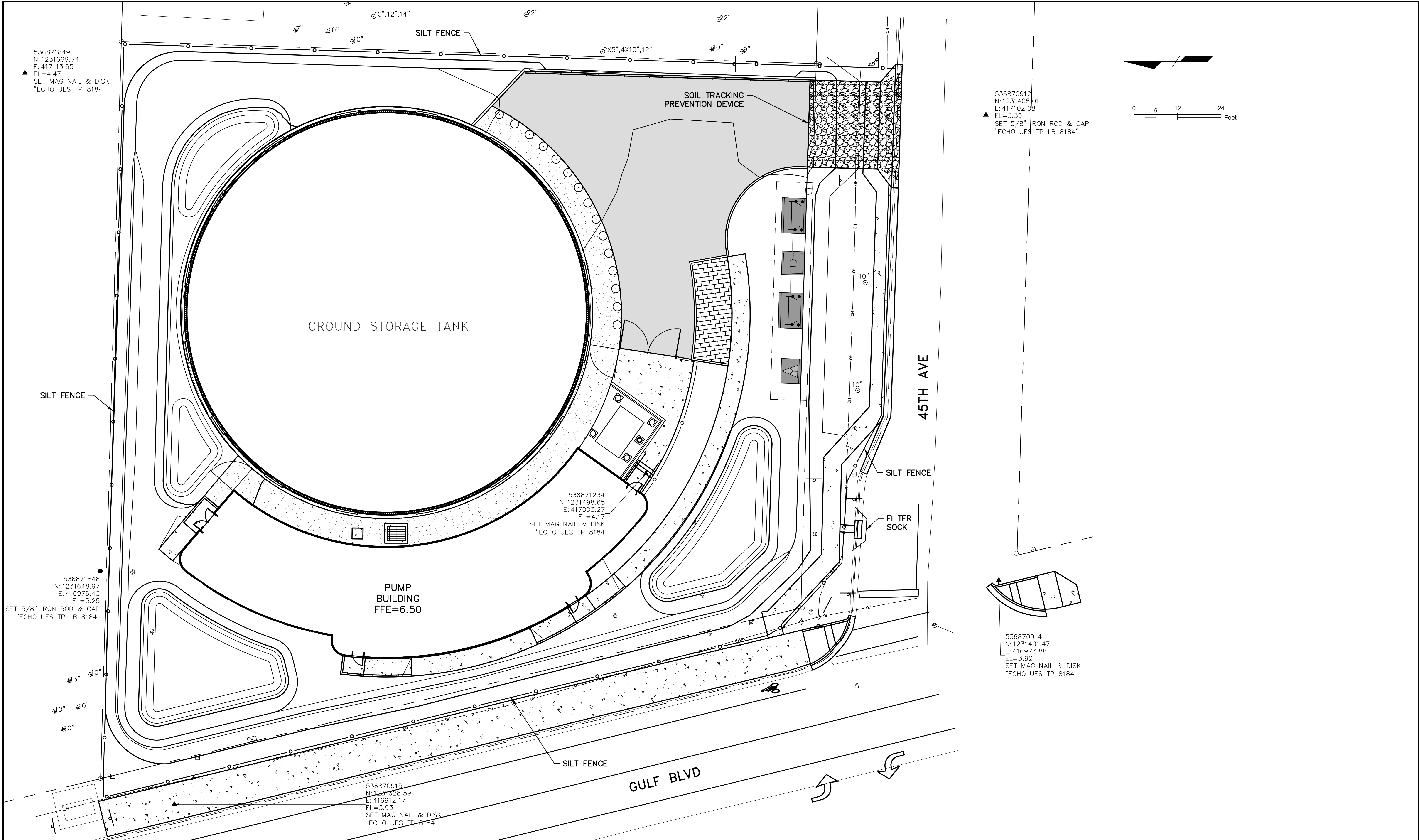


BFV BELOW GRADE VAULT DETAILS

				DESIGNED <u>M.HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: CIVIL DETAILS IV	 800.422.1095 www.wright-pierce.com 3820 NORTHDALÉ BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN <u>D.METZ</u>						PROJECT NO. 002150A
				CHECKED <u>C.BAGGETT</u>						SHEET: C-19
REV. NO.	DATE	DESCRIPTION	REV. BY							

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			DESIGNED M. HOFFMAN		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: STORMWATER POLLUTION PREVENTION PLAN	 800.422.1095 www.wright-pierce.com 3820 NORTHDAL BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
			DRAWN D. METZ						PROJECT NO. 002150A
REV. NO. DATE DESCRIPTION			CHECKED W. NICKEL						SHEET: C-20

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APPROVED
Michael Lemart
6/16/2026

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I. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY

THE PROPOSED IMPROVEMENTS CONSIST OF REMOVAL AND REPLACEMENT OF A PUMP BUILDING; REMOVAL AND REPLACEMENT OF SIDEWALKS; REMOVAL AND REPLACEMENT OF THE PARKING LOT; REMOVAL AND REPLACEMENT OF THE DRIVEWAY CONNECTION TO 45TH AVENUE; STORMWATER MANAGEMENT FACILITIES; AND VARIOUS UTILITY IMPROVEMENTS.

B. PROJECT LIMITS

PID: 07-32-16-51660-000-0011, PORTION OF GULF BLVD ROW, PORTION OF 45TH AVE ROW

C. PROJECT DESCRIPTION

THE GBWBS FUNCTIONS AS A RE-PUMP STATION, RECEIVING WATER FROM THE NORTHERN ISLE OF CAPRI WASTER BOOSTER STATION TO STORE IN THE GBWBS ON-SITE GROUND STORAGE TANK (GST) DURING LOW DEMAND PERIODS, AND PUMPING WATER TO THE SOUTHERN PORTION OF PCU'S WATER DISTRIBUTION SYSTEM TO MAINTAIN SYSTEM PRESSURES DURING PEAK DEMAND PERIODS AND TO SATISFY FIRE FLOW NEEDS. THE PURPOSE OF THE PROJECT IS TO UPGRADE THE GBWBS TO MEET CURRENT INDUSTRY AND OPERATION STANDARDS.

D. MAJOR SOIL DISTURBING ACTIVITIES

CLEARING AND GRUBBING, DEMOLITION, GRADING OF SITE

E. TOTAL PROJECT AREA: 0.8 ACRES
TOTAL AREA TO BE DISTURBED: 0.8 ACRES

F. RUNOFF DATA

	100-YEAR/24-HOUR DISCHARGE (CFS)
EXISTING CONDITION	0.9
PROPOSED CONDITION	0.5

G. SOIL DATA

19-PALM BEACH FINE SAND: FINE SAND, EXCESSIVELY DRAINED, HYDROLOGIC SOIL GROUP "A"

H. DRAINAGE AREA (ATTACH DRAINAGE MAP OR PROVIDE DRAINAGE AREA IN ACRES)

0.75 ACRES

I. RECEIVING WATERS

BOCA CIEGA BAY (CENTRAL SOUTH), WATERBODY ID 1694A2

J. WETLANDS AREAS

NOT APPLICABLE

II. CONTROLS

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORM-WATER TREATMENT SET FORTH IN s.62-40.432, F.A.C., THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, THE APPLICABLE STORM-WATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE DEPARTMENT OR A WATER MANAGEMENT DISTRICT, THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP, 1988) AND ANY SUBSEQUENT AMENDMENTS.

A. SEQUENCE OF MAJOR ACTIVITIES

- INSTALLATION OF PERIMETER CONTROL MEASURES AND SOIL TRACKING PREVENTION DEVICES.
- NTERIM SOURCE REMOVAL AND CLEARING AND GRUBBING
- DEMOLITION AND TEMPORARY UTILITY SYSTEMS AS DESCRIBED IN PROCESS DRAWINGS
- CONSTRUCTION OF STORMWATER MANAGEMENT FEATURES.
- SITE CONSTRUCTION & INTERIM EROSION CONTROL MEASURES.
- FINAL VEGETATION

WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E & S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE EROSION CONTROL DEVICES, DETAILS, AND NOTES APPLICABLE TO THESE ACTIVITIES ARE SPECIFIED IN THE PLANS. THE PROJECT ENGINEER IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE THE PROJECT ENGINEER MAY REQUIRE ADDITIONAL CONTROLS TO MEET STANDARDS AND REGULATIONS.

PERFORM WEEKLY INSPECTION OF EROSION AND SEDIMENT CONTROLS AND AFTER EVERY ½" RAINFALL

REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AND RESTORE AFFECTED AREAS AS DIRECTED BY THE ENGINEER

C. STABILIZATION PRACTICES

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT SODDING OR SEEDING
- PRESERVATION OF NATURAL RESOURCES
- BUFFER ZONES

D. STRUCTURAL PRACTICES

- SYNTHETIC BALES (LF)
- ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
- INLET PROTECTION SYSTEM (EA)
- LITTER REMOVAL AND DISPOSAL (AC)
- MOWING (AC)
- SLOPE DRAINS (TEMPORARY)/ RUNOFF CONTROL STRUCTURES (LF)
- SOIL TRACKING PREVENTION DEVICE (EA)
- SEDIMENT BASINS/CONTAINMENT SYSTEMS (EA)
- SEDIMENT BASIN/ CONTAINMENT SYSTEM CLEANOUT (EA)
- FLOATING TURBIDITY BARRIER (LF)
- STAKED SILT FENCE (LF)
- CHEMICAL TREATMENT - POWDERED (SY)
- CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)
- OTHER

E. DESCRIPTION OF STORM WATER MANAGEMENT

FOUR STORMWATER MANAGEMENT FACILITIES ARE PROPOSED. THREE OF THESE FACILITIES ARE DRY RETENTION PONDS AND ONE OF THE FACILITIES IS A PERMEABLE PAVEMENT SYSTEM. ALL FACILITIES WILL BE CONNECTED BY EQUALIZER PIPES, SO THE SYSTEM FUNCTIONS AS ONE COMBINED DRY RETENTION FACILITY.

F. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING & CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE. ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING.

G. OFFSITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS AND INSPECTED/MAINTAINED DAILY. THE PAVED STREETS WILL BE CLEANED AS DIRECTED BY THE CONSTRUCTION INSPECTOR AND ENGINEER TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPAULIN AT ALL TIMES.

H. SANITARY WASTE

FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7 - 6 "SANITARY PROVISIONS. "THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATION FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. COMMIT NO PUBLIC NUISANCE."

I. HAZARDOUS WASTE

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE COUNTY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY.

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS, A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE COUNTY IN TIMELY FASHION.

J. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS

NONE AT THE TIME OF PERMITTING

PERMITTEE 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 ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS 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 SUBMITTING FALSE INFORMATION, INCLUDING POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

XXXX X. XXXXXXX, P.E., MANAGER
DIVISION, PUBLIC WORKS, PINELLAS COUNTY.

DATE

CONTRACTOR CERTIFICATION

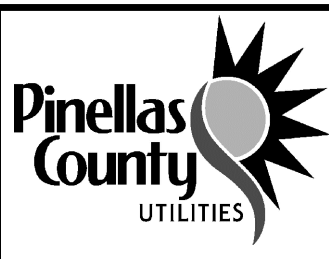
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH , THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

GENERAL CONTRACTOR NAME & TITLE
DATE

COMPANY NAME

COMPANY STREET ADDRESS

CITY, STATE, ZIP CODE

				DESIGNED <u>M.HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: STORMWATER POLLUTION PREVENTION NOTES I	 800.422.1095 www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
				DRAWN <u>D.METZ</u>						PROJECT NO. 002150A
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED <u>W.NICKEL</u>						SHEET: 2025-C-21

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III. MAINTENANCE

A. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL PERMANENT AND TEMPORARY EROSION CONTROL DEVICES THROUGHOUT ALL CONSTRUCTION PHASES OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, PINELLAS COUNTY "STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION", AND THE PROJECT CONSTRUCTION CONTRACT.

B. INSPECTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE PINELLAS COUNTY NPDES / SWPPP CONSTRUCTION INSPECTION REPORT AFTER ANY ½" RAINFALL OR WEEKLY, IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAIN FALL. THE CONTRACTOR SHALL NOTIFY PINELLAS COUNTY DIVISION OF ENVIRONMENTAL MANAGEMENT OF ANY NON-COMPLIANCE PER SECTION 58-244 TO 246 OF THE PINELLAS COUNTY CODE. COUNTY INSPECTOR MAY INSPECT SITE FOR COMPLIANCE AT ANY TIME.

C. NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- WATER FROM WATER LINE FLUSHING
- PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED)
- UNCONTAMINATED GROUNDWATER FROM DE-WATERING ACTIVITIES

ALL NON-STORM WATER DISCHARGES SHOULD BE CONTAINED ON SITE AND DIRECTED TO SEDIMENT TREATMENT BMPs. UNTREATED OFF SITE DISCHARGES WILL BE REPORTED TO THE COUNTY INSPECTOR AND PINELLAS COUNTY DIVISION OF ENVIRONMENTAL MANAGEMENT FOR FURTHER INVESTIGATION. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, DEWATERING SHOULD CEASE IMMEDIATELY AND THE ENGINEER WILL BE CONTACTED.

D. MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL HANDLING PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF:

1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.

- STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB ON SITE.
- ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
- SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

2. THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.
- SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL OPENED CONTAINERS. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE KEPT ON-SITE ON THE CONSTRUCTION OFFICE TRAILER.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.
- THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).

3. CONCRETE TRUCKS

- CONTRACTOR SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE.
- HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.
- DISPOSAL OF CONCRETE SLURRY DIRECTLY INTO PUBLIC DRAINAGE SYSTEMS IS A VIOLATION OF THE "ILLICIT DISCHARGE" PROVISION OF THE PINELLAS COUNTY LAND DEVELOPMENT CODE AND SECTION 58-244 OF THE PINELLAS COUNTY CODE.
- SECTION 58-239 OF THE PINELLAS COUNTY CODE AUTHORIZES PENALTIES OF UP TO \$10,000.00 FOR EACH OFFENSE.

4. SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION CLEANUP SUPPLIES.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.
- THE SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.
- USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM ANY DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY CONTAINMENT WITH A LINER CHEMICALLY RESISTANT TO THE FUEL OR CHEMICAL STORED ON SITE. THE SECONDARY CONTAINMENT MUST BE SIZED TO CONTAIN MINIMUM OF ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTORS NAME AND INSPECTION REPORT. FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE COUNTY INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTEND OF THE CONTAMINATION.

PERMITTEE CERTIFICATION

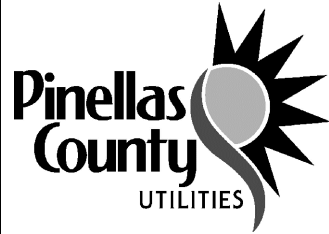
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE 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 SUBMITTING FALSE INFORMATION, INCLUDING POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

XXXX X. XXXXXXXX, P.E., MANAGER
DIVISION, PUBLIC WORKS, PINELLAS COUNTY.

CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH , THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

GENERAL CONTRACTOR NAME & TITLE
DATE
COMPANY NAME
COMPANY STREET ADDRESS
CITY, STATE, ZIP CODE

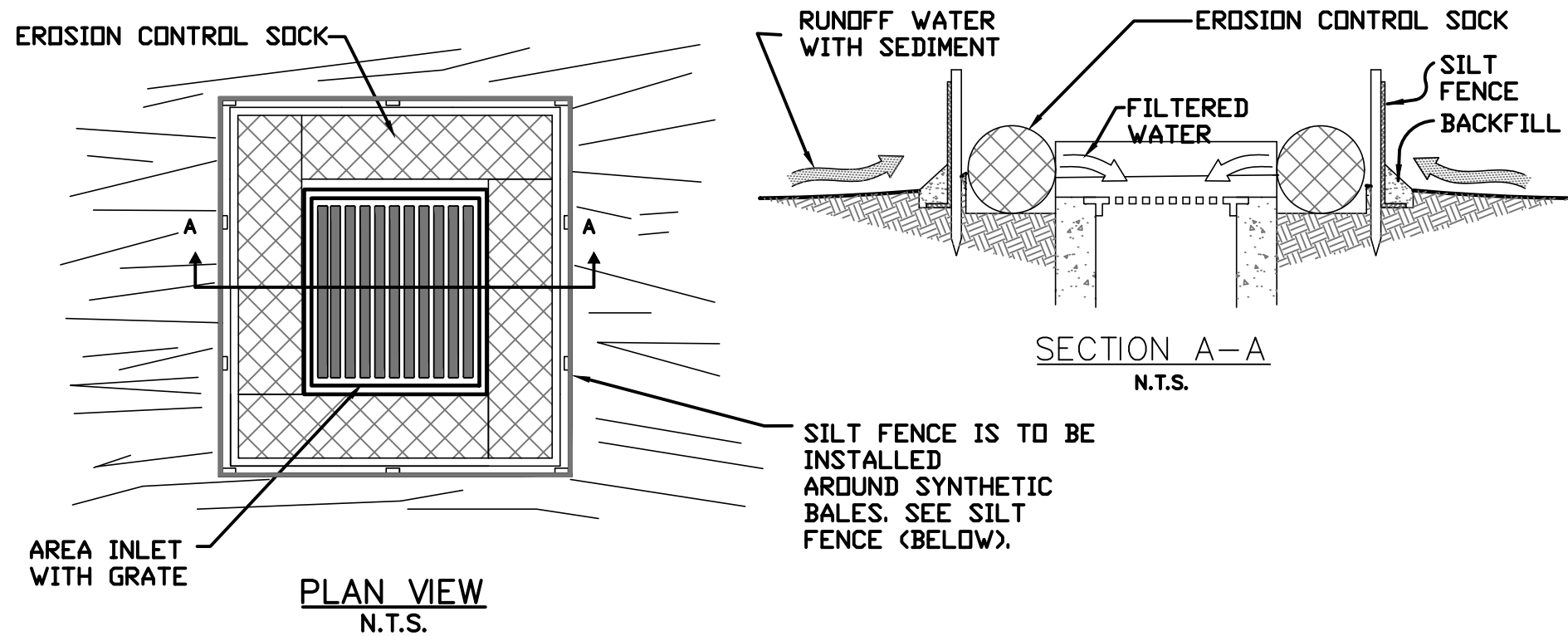
				DESIGNED <u>M.HOFFMAN</u>		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: STORMWATER POLLUTION PREVENTION NOTES II	 800.422.1095 www.wright-pierce.com 3820 NORTHDALÉ BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE: 01-2025
			DRAWN <u>D.METZ</u>	PROJECT NO. 002150A						
			CHECKED <u>W.NICKEL</u>	SHEET: 22						
REV. NO.	DATE	DESCRIPTION	REV. BY							



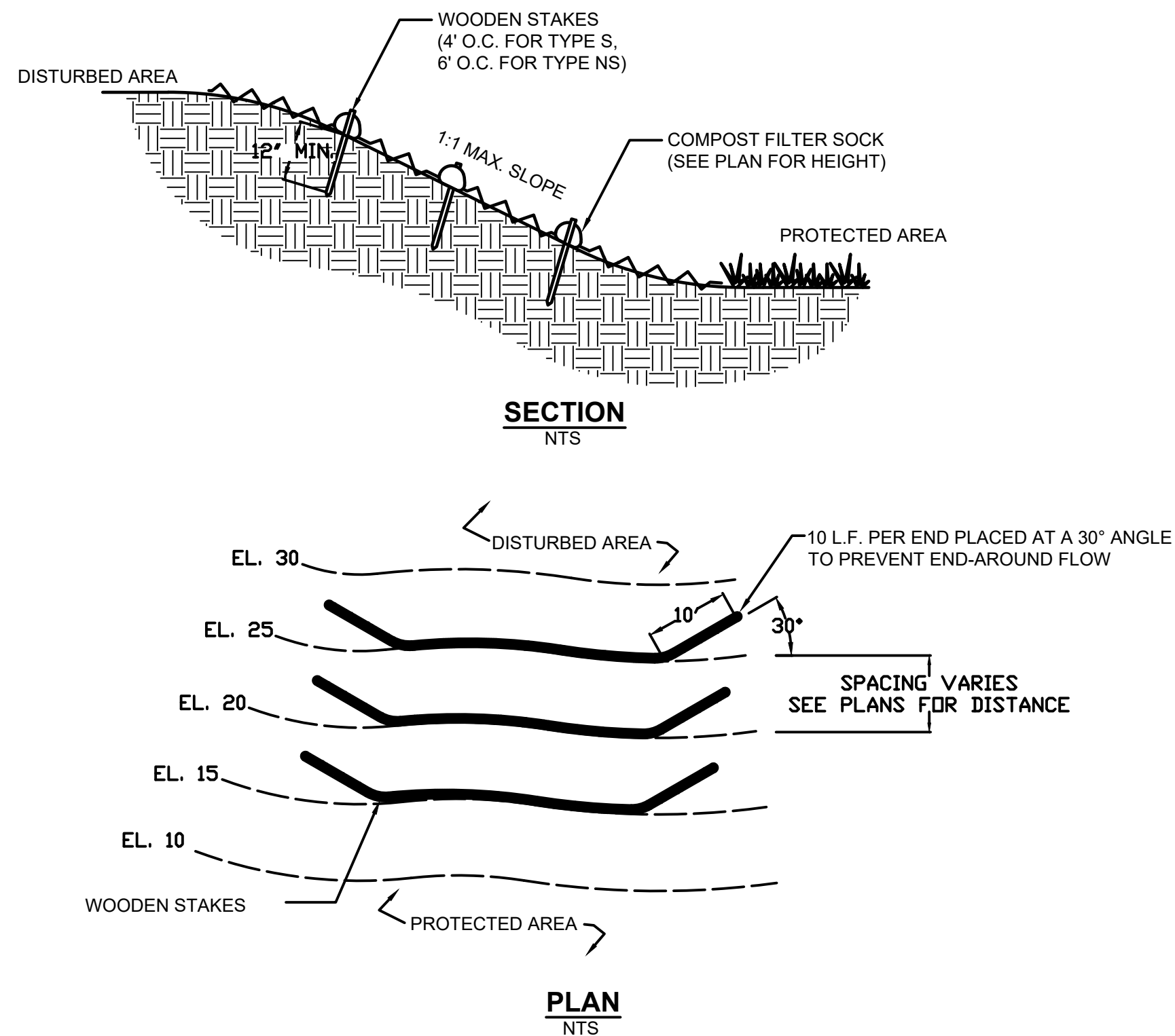
NOTES:

1. NO TRUCKS OR HEAVY EQUIPMENT ALLOWED WITHIN BARRIERS. ONLY HAND LABOR ALLOWED.
2. NO CONSTRUCTION MATERIALS, SOIL DEPOSITS, OR SOLVENTS SHALL BE ALLOWED WITHIN BARRIERS.
3. BARRIERS ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN TREE AREA.
4. BARRIERS ARE TO STAY IN PLACE UNTIL ALL PAVING, CONSTRUCTION, AND HEAVY EQUIPMENT IS REMOVED FROM THE AREA.

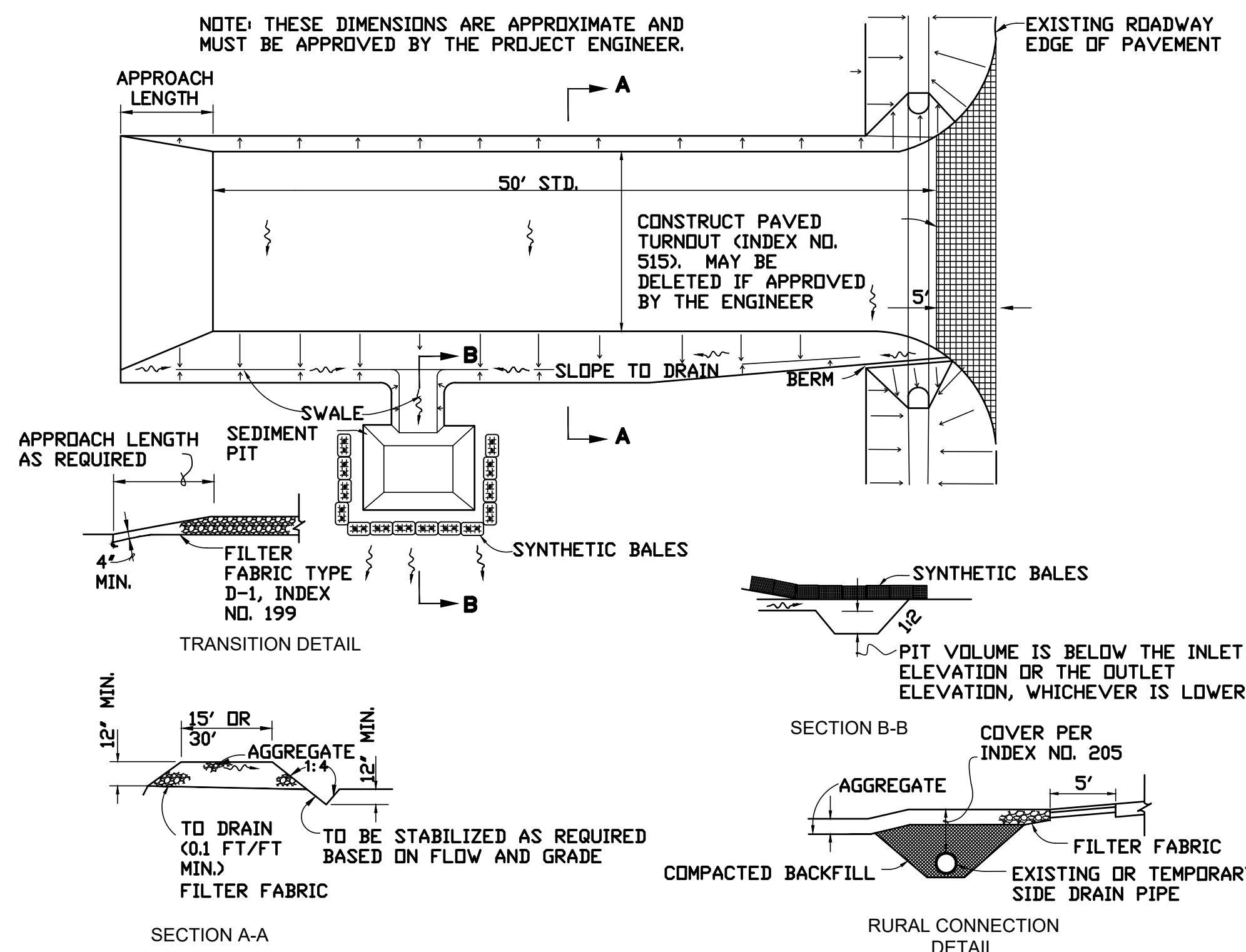
TREE PROTECTION BARRIERS DETAIL
NTS



THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5%) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS STREET OR HIGHWAY MEDIANS.



SYNTHETIC BALES OR APPROVED
BARRIERS
NTS

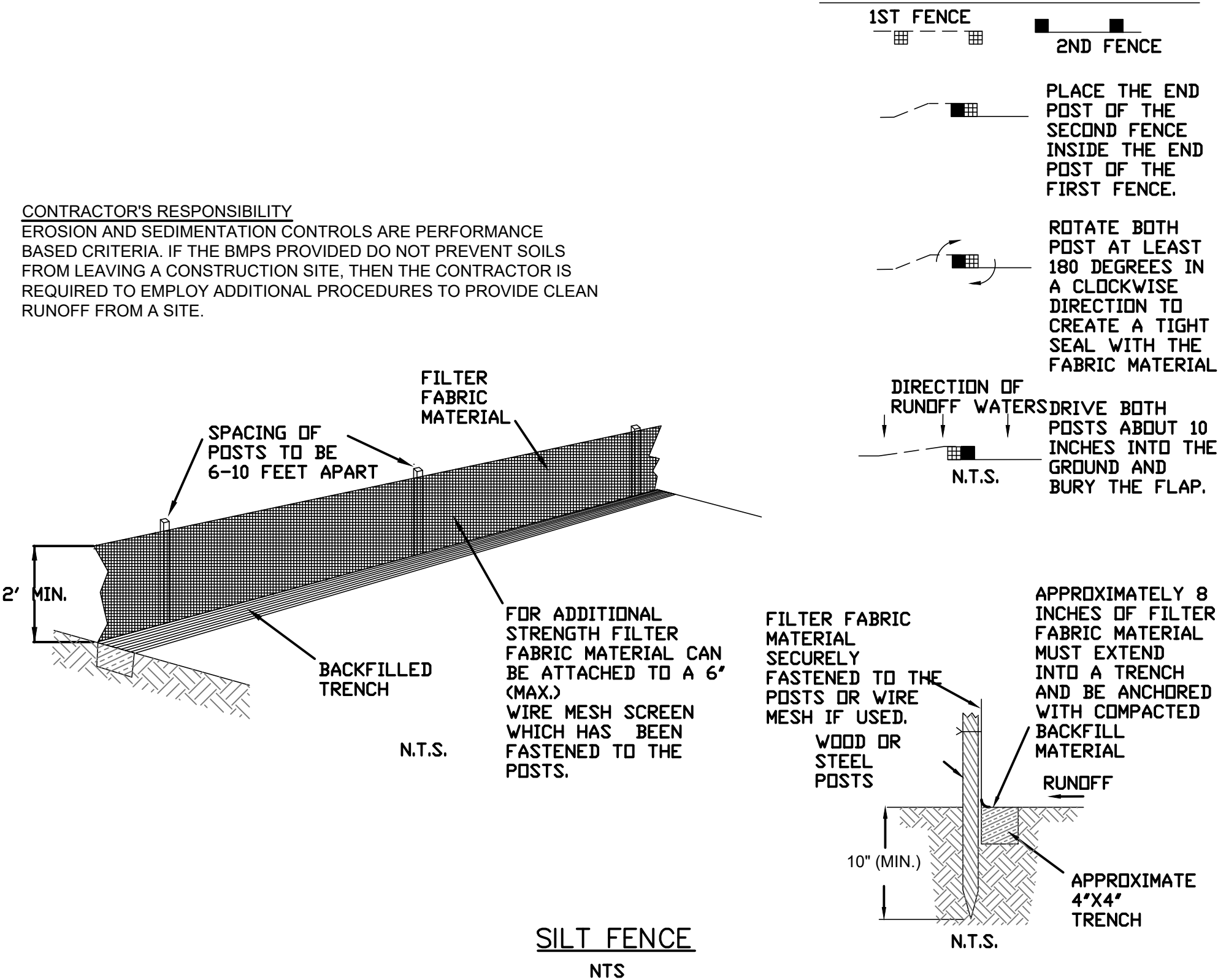


SOIL TRACKING PREVENTION DEVICE
TYPE A
NTS

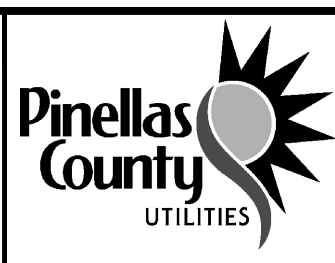
SOIL TRACKING PREVENTION DEVICE NOTES

1. A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED BY THE ENGINEER FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFF SITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THROUGH STPD BARRIERS. FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STPD.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFF SITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ITS USE.
3. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STPD AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
4. AGGREGATES SHALL BE DESCRIBED IN SECTION 901 EXCLUDING 901-2.3. AGGREGATES SHALL BE FDOT SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE NOT SUITABLE.
5. THE SEDIMENT PIT SHOULD PROVIDE A RETENTION VOLUME OF 3600 CUBIC FEET/ACRE OF SURFACE AREA DRAINING TO THE PIT. WHEN THE STPD IS ISOLATED FROM OTHER DRAINAGE AREAS, THE FOLLOWING PIT VOLUMES WILL SATISFY THIS REQUIREMENT:
15'X50'=100 FT³
30'X50'=200 FT³
AS AN OPTION TO THE SEDIMENT PIT, THE WIDTH OF THE SWALE BOTTOM CAN BE INCREASED TO OBTAIN THE VOLUME. WHEN THE SEDIMENT PIT OR SWALE VOLUME HAS BEEN REDUCED TO ONE HALF, IT SHALL BE CLEANED. WHEN A SWALE IS USED, SYNTHETIC BALES OR SILT FENCE SHALL BE PLACED ALONG THE ENTIRE LENGTH.
6. THE SWALE DITCH DRAINING THE STPD SHALL HAVE A 0.2% MINIMUM AND A 1.0% MAXIMUM GRADE ALONG THE STPD AND TO THE SEDIMENT PIT.
7. MITERED END SECTIONS ARE NOT REQUIRED WHEN THE SIDE DRAIN PIPE SATISFIES THE CLEAR ZONE REQUIREMENTS.
8. THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSET TRACKING, THE STPD SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THROUGH THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT MUD TRACKED.
9. A STPD SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SOIL TRACKING PREVENTION DEVICE, EA. THE UNIT PRICE SHALL CONSTITUTE FULL COMPENSATION FOR CONSTRUCTION, MAINTENANCE, REPLACEMENT OF MATERIALS, REMOVAL, AND RESTORATION OF THE AREA UTILIZED FOR THE STPD: INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, TEMPORARY PIPE (INCLUDING M.E.S. WHEN REQUIRED), FILTER FABRIC, AGGREGATE, PAVED TURNOUT (INCLUDING ASPHALT AND BASE CONSTRUCTION), DITCH STABILIZATION, APPROACH ROUTE STABILIZATION, SEDIMENT REMOVAL AND DISPOSAL, WATER, RINSING AND CLEANING OF THE STPD AND CLEANING OF PUBLIC ROADS, GRASSING AND SOD. SYNTHETIC BALES SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR HAY OR STRAW BALED, EA. SILT FENCE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, L.F.
10. THE NOMINAL SIZE OF A STANDARD STPD IS 15'X50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH STPD MAY BE USED IF APPROVED BY THE ENGINEER. WHEN A DOUBLE WIDTH (30') STPD IS USED, THE PAY QUANTITY SHALL BE 2 FOR EACH LOCATION.

ATTACHING TWO SILT FENCES



				DESIGNED	<u>M. HOFFMAN</u>
				DRAWN	<u>D. METZ</u>
				CHECKED	<u>W. NICKEL</u>
REV. NO.	DATE	DESCRIPTION		REV. BY	



PROJECT: PINELLAS COUNTY, FLORIDA
GULF BEACH WATER BOOSTER
STATION IMPROVEMENTS

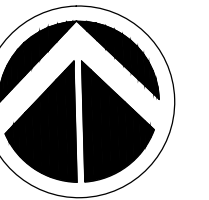
DESCRIPTION:	STORMWATER POLLUTION PREVENTION DETAILS
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WRIGHT-PIERCE 
800.422.1095 | www.wright-pierce.com
3820 NORTHDAL E BOULEVARD, SUITE 202B, TAMPA, FL 33626
CERTIFICATE OF AUTHORIZATION#: 91267540

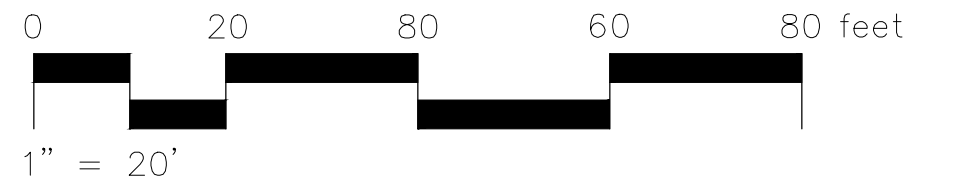
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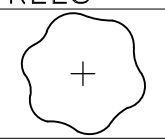
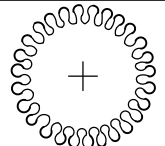
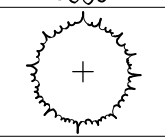
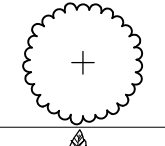
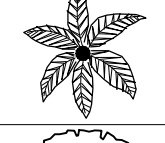
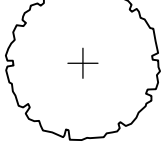
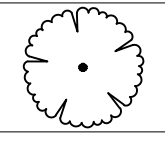
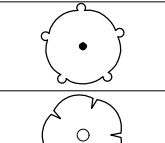
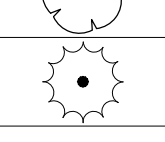
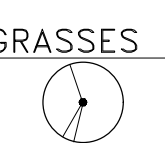
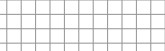
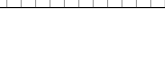
DATE:	01-2025
PROJECT NO.	002150A
SHEET:	C-23

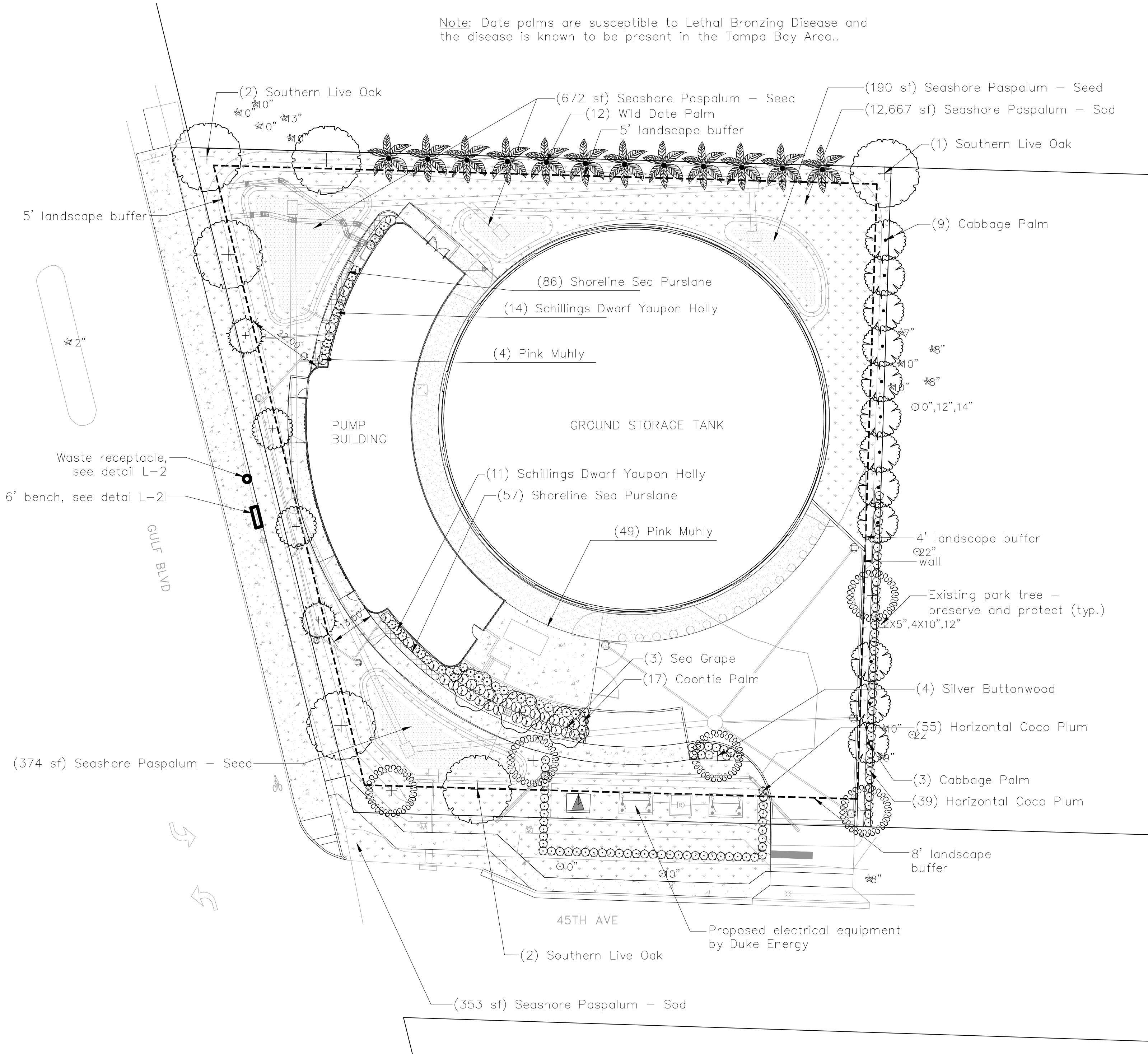
Matti Rukholm
Location: 5001 N Nebraska Ave, Suite A,
Tampa, FL 33603
Madrid CPWG, LC no. LA001411, Matti
Rukholm PLA no. LA6667261
This item has been digitally signed and
sealed by Matti Rukholm. Printed copies
of this document are not considered
signed & sealed. The signature must be
verified on the electronic documents.
2024.07.22 12:42:48-04'00'



N O R T H

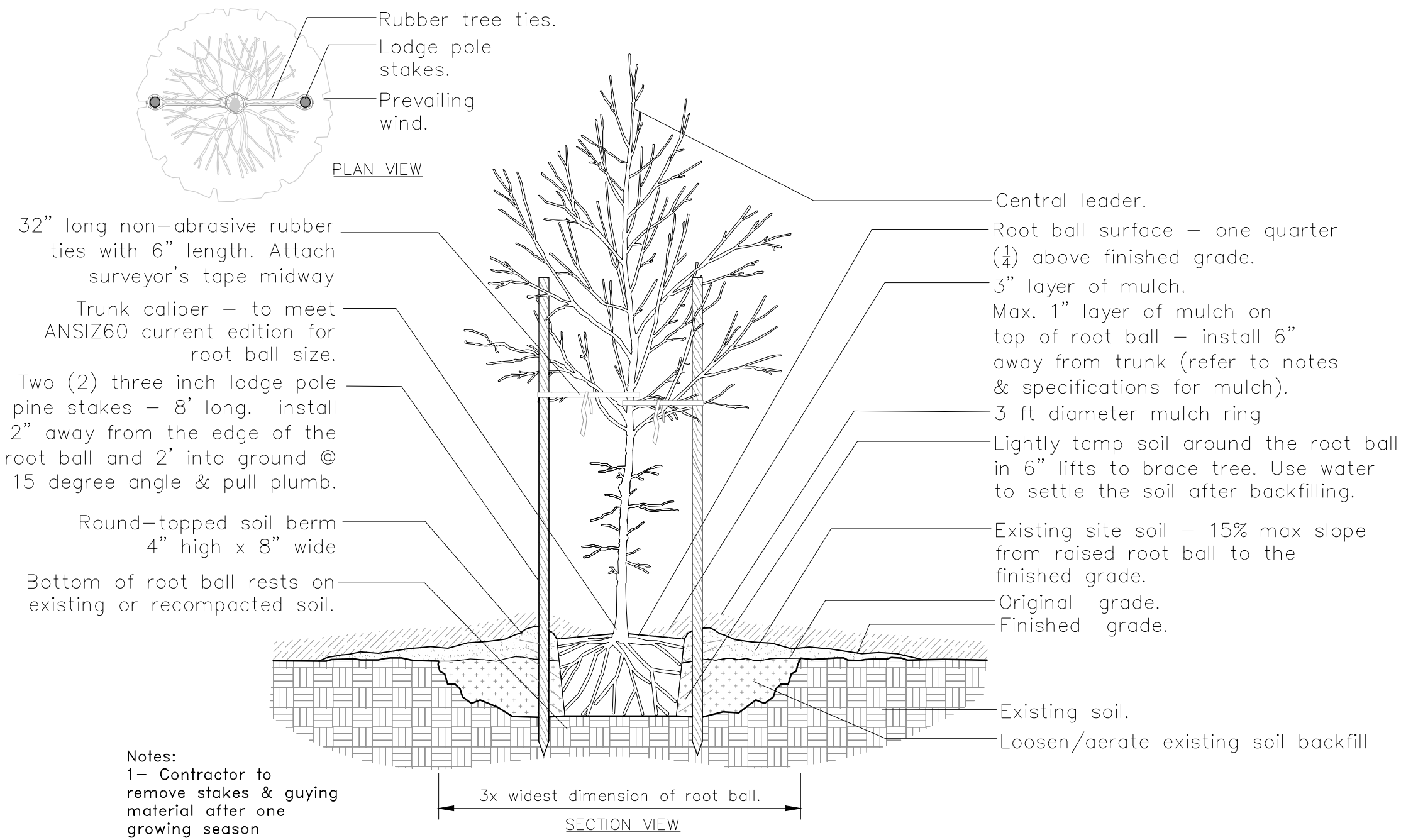


PLANT SCHEDULE				
SYMBOL	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
TREES				
	3	Coccoloba uvifera / Sea Grape	15 gal.	2" DBH, 8' HT. MIN
	5	Conocarpus erectus sericeus / Silver Buttonwood	65 gal	3.5" CAL, 8' HT
	2	Juniperus virginiana silicicola / Southern Redcedar	45 gal	3" CAL, 8' HT
	2	Lagerstroemia x 'Natchez' / Crape Myrtle	30 gal	2" CAL, 8-10' HT, 5-6' SPRD, SINGLE STEM
	12	Phoenix sylvestris / Wild Date Palm	B & B	12' C.T.
	6	Quercus virginiana / Southern Live Oak	100 gal	4.5" CAL, 12' HT. 7' SPRD
	12	Sabal palmetto / Cabbage Palm	B & B	10' HT CT
SHRUBS				
	97	Chrysobalanus icaco 'Horizontalis' / Horizontal Coco Plum	3 gal	24" HT X 24" SPRD
	25	Ilex vomitoria 'Schillings Dwarf' / Schillings Dwarf Yaupon Holly	3 gal	24" HT X 24" SPRD
	17	Zamia floridana / Coontie Palm	7 gal	24" HT X 24" SPRD
GRASSES				
	34	Muhlenbergia capillaris / Pink Muhly	3 gal.	36" Ht
GROUND COVERS				
	13,020 sf	Paspalum vaginatum / Seashore Paspalum - Sod	1 gal	Sod
	1,236 sf	Paspalum vaginatum - Seed / Seashore Paspalum - Seed	1 gal	Seed
	143	Sesuvium portulacastrum / Shoreline Sea Purslane	1 gal.	12" HT X 12" SPRD



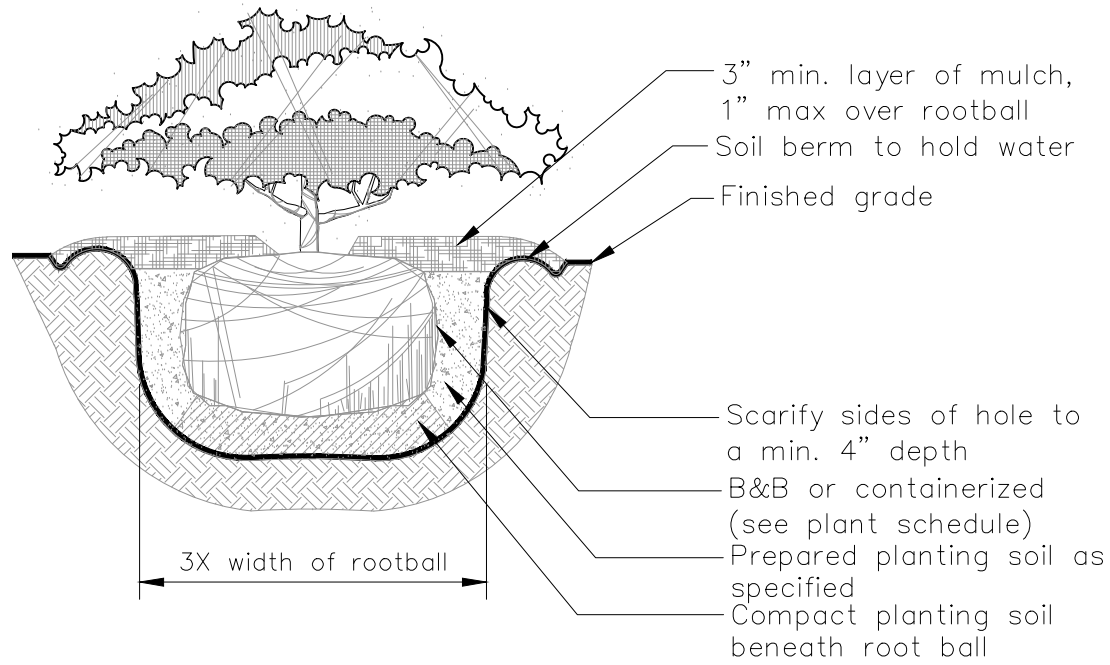
				DESIGNED	MR		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: LANDSCAPE PLAN	PREPARED BY:  407.906.1776 www.wright-pierce.com 601 S LAKE DESTINY ROAD, SUITE 290, MAITLAND, FL 32751	ADMINISTERED BY:  5001 N Nebraska Ave., Ste. A, Tampa, FL 33603 Phone: 813.361.2644 www.MadridCPWG.com MATTI RUKHOLM, P.L.A., FL LIC NO. LA6667261. CPWG LC. NO. 2800439	DATE:	JULY 2024
				DRAWN	MR/JR						PROJECT NO.	5015A
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	GH						SHEET	25-C-799-00

C:\CPWG\SHARED\PROJECTS\Pinellas\Gulf Beach Water Booster Station\70 - Drawings\71 - CAD\Layouts\2414989 LANDPLAN DETAILS.dwg, Jul. 22, 2024 - 12:31pm



1 TREE STAKING AND PLANTING DETAIL

N.T.S.



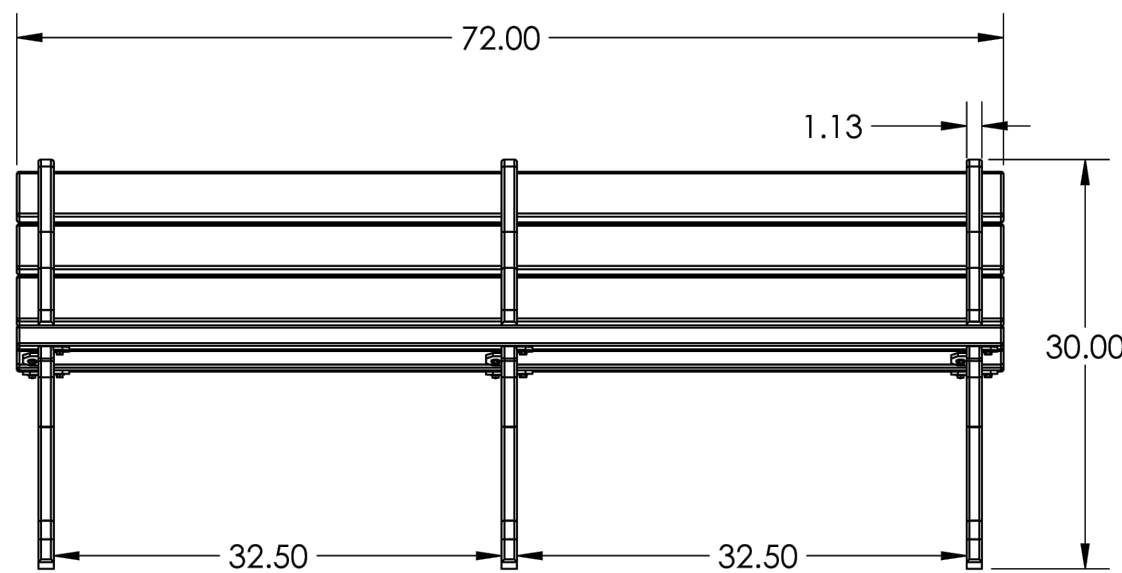
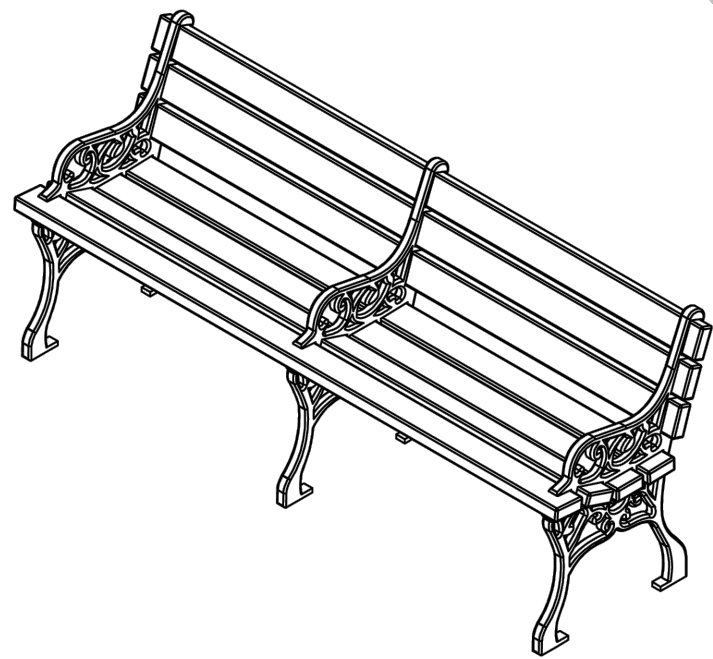
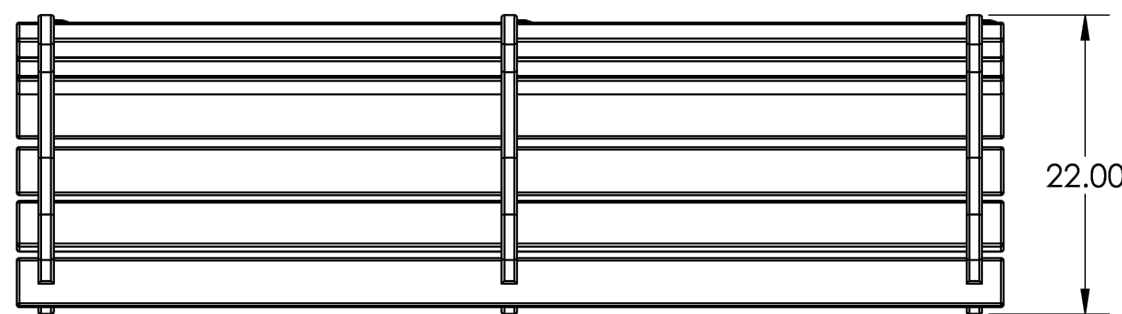
- Notes:**
- Contractor shall assure percolation of all planting pits prior to installation
 - In semi-impervious soil conditions, rootball elevation shall be 1/4 of rootball above finish grade. Coordinate with Landscape Architect prior to setting rootball elevations.
 - Soak each rootball and pit immediately after installation.

2 SHRUB PLANTING DETAIL

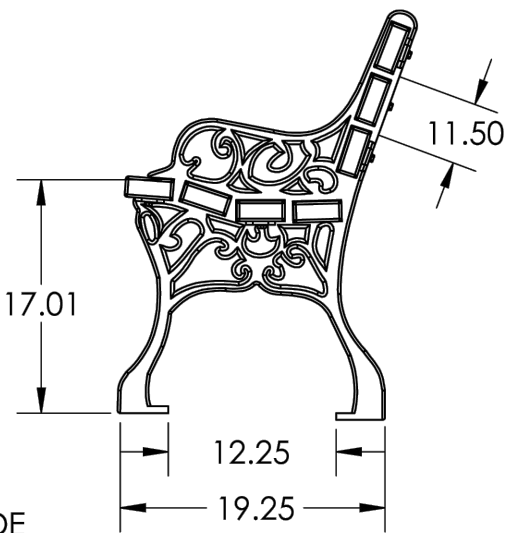
N.T.S.

6ft Bench Specifications BC1190

REV# 3
1/12/2018



Fastened bench to concrete sidewalk using stainless steel hardware per manufacturer's specifications.



CONSTRUCTION MATERIALS:
Recycled Plastic, Cast Aluminum

HARDWARE:
Stainless Steel

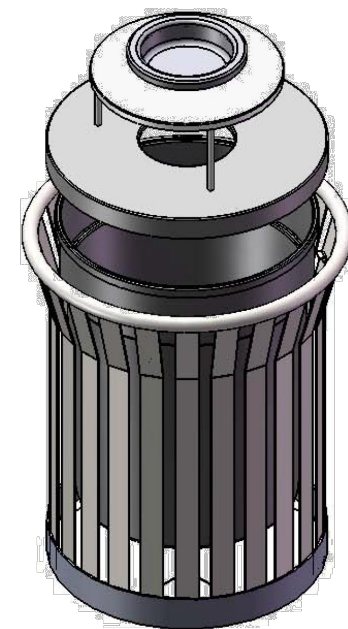
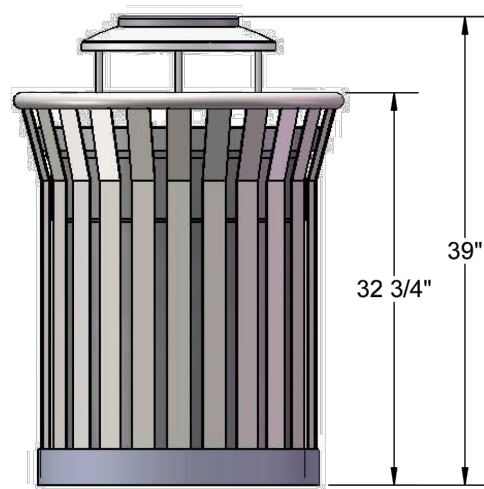
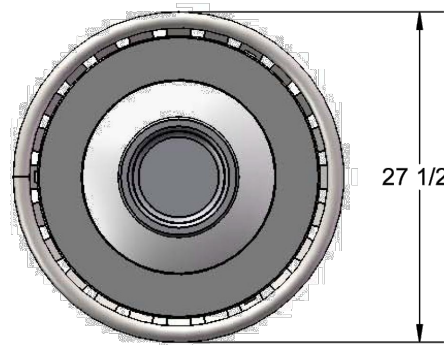
BENCH SLATS ARE 1.5 INCHES THICK BY 3.5 INCHES WIDE

ALL DIMENSIONS SHOWN IN INCHES

SKU: 2ZK2046-CD by TreeTop Products or approved equal

OVERALL DIMENSIONS

Fastened waste receptacle to concrete sidewalk using stainless steel hardware per manufacturer's specifications.



JK-36 SKU: 622tr600 by Park Warehouse or approved equal
36 GALLON TRASH RECEPTACLE
Material: Sides are fabricated with 1-1/2" x 1/4" flat steel strips. Top and bottom rings are 1" pipe. Bottom plate fabricated from 10 gauge sheet steel precision punched. All electrically MIG welded.
Receptacle Coating: Steel is sandblasted to near white condition. Then coated with electrostatic powder coat, oven cured.
Receptacle Dimensions: 32-3/4" high x 27-1/2" in diameter x 36 gallon capacity.

WASTE RECEPTACLE

8/1/2016

Page 5 of 5

PLANTING SOIL SPECIFICATION

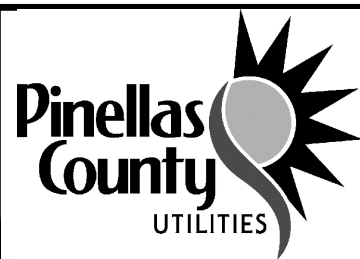
- Existing site soil to be used whenever possible.
- All soils (existing and imported) shall not be amended with peat, compost, pine bark, manure, or other organic material, unless otherwise directed to do so by the Landscape Architect.
- Top 9-12" of existing soil in all planting areas to be tilled prior to planting.
- All soils (existing and imported) shall be free of weeds, roots, stumps, rocks, and/or other debris larger than 1/2-inch diameter.
- All soils (existing and imported) shall be free of organic muck, hard pan, toxic substances detrimental to plant growth, and construction debris such as lime rock, concrete, and asphalt pieces.
- Imported soil shall be fine sand or loamy fine sand indigenous to the area and suitable for plant growth. Imported soils shall be delivered in a normal moist condition, neither muddy nor wet and shall meet the following criteria measured in accordance with the appropriate AASHTO and ASTM standard.
USDA Texture: fine yellow sand, loamy fine sand
AASHTO Classification: A-3
Ph Range 5.5 - 6.0
- All imported soils shall have the above-mentioned characteristics resulting from a current agronomic and full textural class analysis of soil samples collected from the actual soil proposed to be used.
- The Landscape Contractor is responsible for soil analysis of all soils (existing and imported) prior to installation of plantings and all costs shall be at the expense of the Landscape Contractor.
- The results of the soil tests shall be submitted to the Landscape Architect 3 weeks prior to the anticipated date of the start of soil installation and must include sample date and reference the collection location.
- One soil sample for each separate imported soil source is required.
- 4 soil sample locations are required for tested existing site soil. Sample locations to be approved by Landscape Architect.
- If tests of imported soil fail to meet the specifications, Landscape Contractor is to obtain other sources of material, retest and resubmit until accepted by the Landscape Architect.
- Existing site soil shall be tested for pH levels, organic matter, and nutrient levels by parts per million including: nitrogen, phosphorus, potassium, magnesium, manganese, iron, zinc and calcium.
- Nutrient test shall include the testing laboratory recommendations for supplemental additions to the soil for optimum growth of the plantings specified. Granulated commercial grade slow-release fertilizer shall be added to the existing soil as recommended by the soil testing laboratory.

LANDSCAPE INSTALLATION NOTES

- Plant material shall meet or exceed the standards for Florida No. 1 as set out in the most current edition of "Grades and Standards for Nursery Plants Part 1 and Part 2.", State of Florida, Department of Agriculture, Tallahassee. All trees to be free of mechanical injuries to the trunk.
- The selection, installation, and maintenance of the subject landscape falls under the auspices of the ANSI A300 series; all 10 parts. This subject landscape also falls under the auspices of ANSI Z133, and local governmental codes and regulations
- All plant material shall be purchased and/or grown at a location that allowed the trees to become adapt to the local environment for application on this site.
- All planting beds shall receive a 3" layer (1" over root ball) of pine bark mulch or approved equal and shall be weed free. Mulch shall be Grade B or better.
- The Landscape Contractor shall be responsible for verification of all quantities on the plant schedule. In the event of a conflict between quantities on the plant schedule and the plans, the plans shall take precedence and the discrepancy shall be brought to the attention of the landscape architect prior to bid. Any deviation from these plans must be approved by the landscape architect or owner's representative. The Contractor shall be responsible for verifying and calculating all material quantities including, but not limited to, sod and mulch.
- The Landscape Contractor is responsible for compliance with all applicable building codes, "ordinances" and local regulations. The contractor shall be responsible for obtaining all necessary permits to perform the work.
- The Landscape Contractor is responsible for inspection of existing site conditions and promptly reporting all discrepancies and improper planting conditions (wetness, muck, debris, etc.) to landscape architect prior to bidding.
- Prior to the start of construction, the Landscape Contractor shall be responsible for familiarizing themselves with the location of all utilities (underground and overhead). The exact location of all utilities and underground irrigation sprinklers and pipes may not be indicated on drawings. The Landscape Contractor shall protect utility services which must remain operational throughout the time of construction. The Contractor shall be responsible for utility replacement if damaged by the Contractor.
- The Landscape Contractor shall be responsible for fine grading all landscape areas, and eliminating all bumps, depressions, sticks, stones, concrete, and other debris to the satisfaction of the Landscape Architect. All inorganic debris that may damage or inhibit the growth of plant material will be removed from all planting beds. Sod shall not be installed until final grades have been approved by Landscape Architect.
- New sod shall match existing adjacent species as needed and as approved by Landscape Architect. Contractor shall determine exact quantities of sod in the field.
- The Landscape Contractor shall maintain all lawn areas (sod/seed), planting beds, ground covers, shrubs, palms, and trees until final acceptance including: watering, weeding, fertilizing, mowing (maintain 3" height or as specified) and edging, insect and disease control, mulching (3" depth or as specified), maintenance of tree stakes and braces, and maintenance of tree rings per tree planting detail.
- The Landscape Contractor is responsible for ensuring all plant material is watered: at time of planting, during plant establishment, and until final acceptance. Plant watering requirements (quantity and schedule) shall be determined by the contractor and will be dependent on the plant species, site conditions, time of year, and weather. Plants shall be kept alive and in good health (i.e. not showing signs of stress including leaf wilting, leaf browning, and premature leaf drop) from time of planting until final acceptance.
- Tree braces and support systems shall be left in place until the tree(s) are firmly rooted into the landscape. Removal of braces and supports is the responsibility of the Landscape Contractor. The Landscape Contractor shall determine the time when the braces or supports should and shall be removed. The Landscape Contractor shall notify the Landscape Architect in writing prior to the removal of stakes or braces providing the tree species name, location in the field, and date and time of removal.
- Plant material shall be guaranteed for one year after planting and shall be replaced within 30 days should they die or have over 30% leaf damage due to pests. Exceptions to this guarantee include theft, vandalism, and acts of God.
- The landscape will be inspected by a third party for compliance with the specifications prior to final acceptance.

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	MR
DRAWN	MR/JR
CHECKED	GH



PROJECT:
PINELLAS COUNTY, FLORIDA
GULF BEACH WATER BOOSTER
STATION IMPROVEMENTS

DESCRIPTION:
LANDSCAPE DETAILS

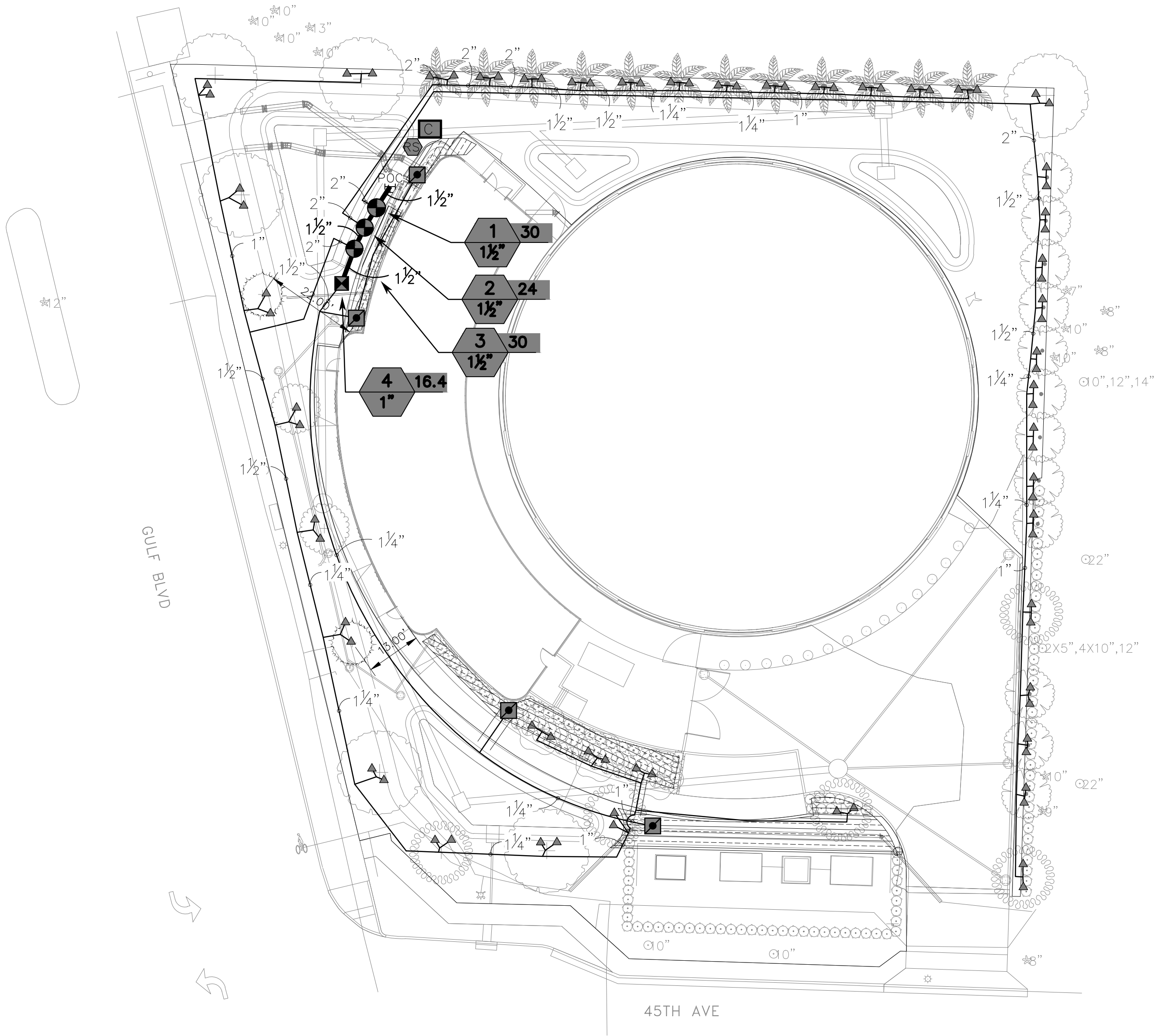
PREPARED BY:
WRIGHT-PIERCE
407.906.1776 | www.wright-pierce.com
601 S LAKE DESTINY ROAD, SUITE 290, MAITLAND, FL 32751

ADMINISTERED BY:

5001 N Nebraska Ave., Ste. A, Tampa, FL 33603 Phone: 813.361.2644
www.MadridCPWG.com MATTI RUKHOLM, P.L.A., FL LIC NO. LA6667261,
CPWG LC NO. 2600439

DATE: JULY 2024
PROJECT NO. 5015A
SHEET: 225-C-799-00106
Michael Lemart
6/16/2026

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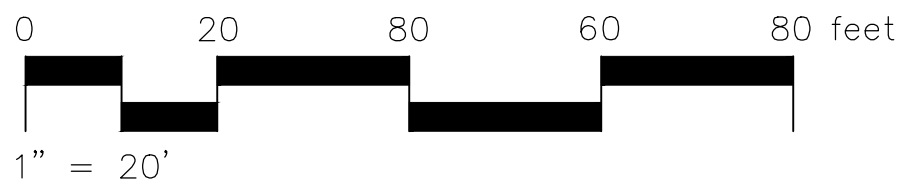


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
▲ 1401 1402 1404 1408	Rain Bird 1804–1400 Flood Flood Bubbler 4.0in. popup	84	20
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
■	Rain Bird XCZ–100–IVMQ Wide Flow IVM Drip Control Kit for Commercial Applications. 1in. Ball Valve with 1in. PESBIVM Smart Valve w/ factory installed IVM–SOL 0.3–20 gpm and 1in. Pressure Regulating 40psi Quick–Check Basket Filter 0.3–20 gpm	1	
■	Pipe Transition Point above grade Pipe transition point from PVC lateral to drip tubing with riser to above grade installation.	4	
▨	Area to Receive Dripline Rain Bird XFDe–09–12 XFDe On–Surface Pressure Compensating Landscape Dripline. 0.9 GPH emitters at O.C. Dripline laterals spaced at RR apart, with emitters offset for triangular pattern. UV & Kink Resistant. Use XF insert fittings.	1,090 l.f.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
●	Rain Bird PEB 1in., 1–1/2in., 2in. Plastic Industrial Valves. 3 Low Flow Operating Capability, Globe Configuration. With IVM	3	
■	Hunter P2C–400 Light Commercial & Residential Controller, 1 4–station base module controller, 120 VAC, Outdoor/Indoor model	1	
■	Hunter MINI–CLIK Rain Sensor, mount as noted	1	
POC	Point of Connection Potable water line. Refer to Civil Engineering plans for water meter and backflow prevention details.	1	
—	Irrigation Lateral Line: PVC Schedule 40	1,464 l.f.	
==	Irrigation Mainline: PVC Class 200 SDR 21	25.7 l.f.	
----	Pipe Sleeve: PVC Schedule 40	27.5 l.f.	
Valve Callout	Valve Number		
Valve Flow	Valve Size		

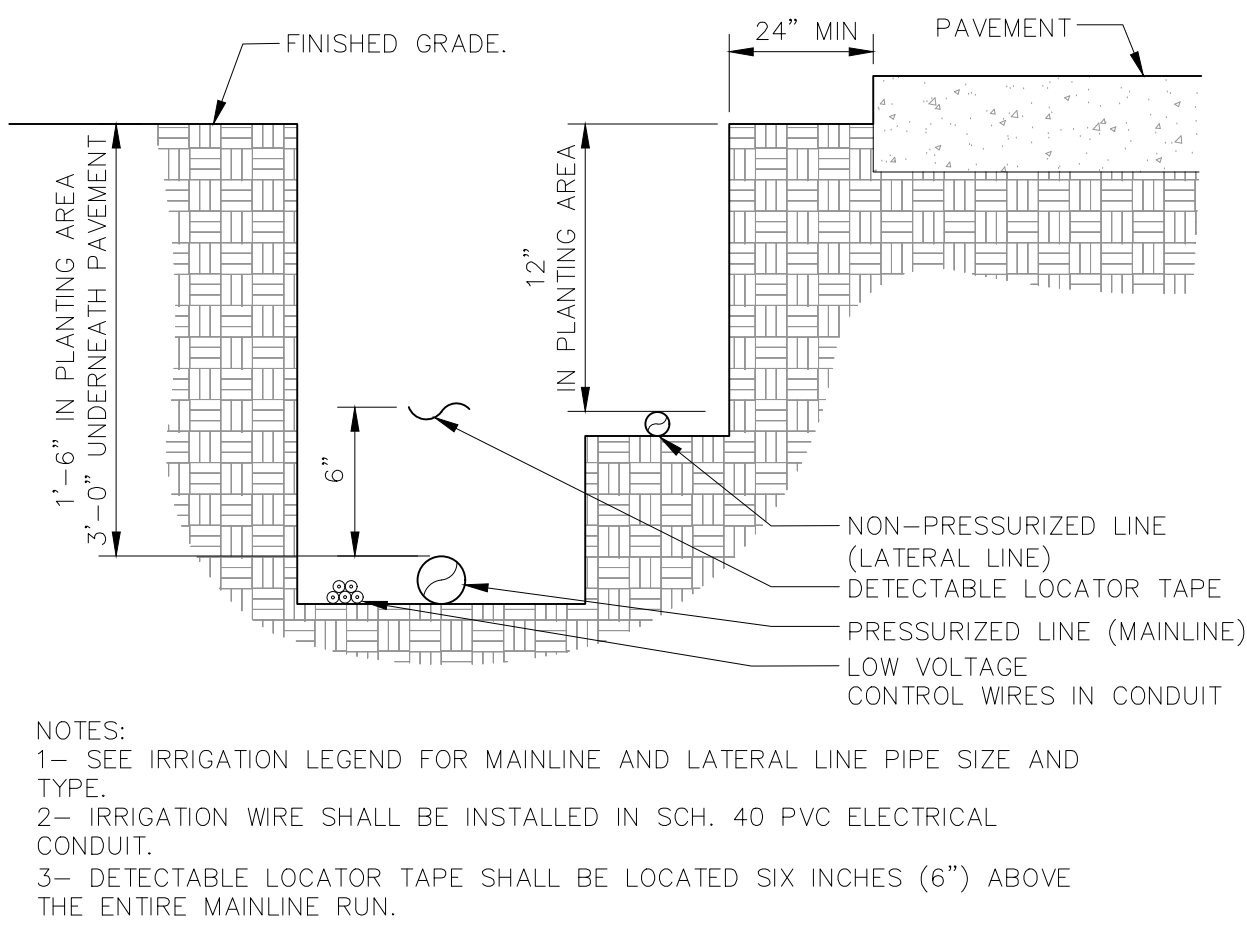
IRRIGATION NOTES

- Irrigation system to meet the 2023 Florida Building Code Plumbing, Eighth Edition, Appendix F (Proposed Construction Building Codes for Turf and Landscape Irrigation Systems), Chapters 13, and Chapter 14 'Reserved' regarding reclaimed/effluent water pipe, valve, and valve box identification. Per Appendix F, all pipe, valves, and valve boxes used with effluent water systems shall be designated for nonpotable use by either label or by the industry standard color purple. Irrigation pipe, valves, and valve boxes are to be purple.
- Irrigation is from the Point of Connection (POC) only. Refer to plan for POC location.
- Contractor shall notify Landscape Architect immediately if water pressure is below 65 PSI or above 80 PSI.
- Prior to construction, Contractor to establish the location of all utility and service lines within work area(s). All damage to utilities as a result of construction are responsibility of the Contractor. Necessary repairs must be undertaken at no additional cost to the owner.
- Irrigation equipment shown in hardscape and outside property lines for clarity only. All irrigation shall be installed within landscape areas unless noted within a sleeve.
- This plan is diagrammatic. The exact location of valves and irrigation heads are to be determined in the field by the contractor. Do not scale drawing.
- All components to be installed as per manufacturer's recommendations.
- Refer to manufacturer's installation details.
- Refer to manufacturer's catalog for performance specifications.
- All head spray patterns shall be adjusted to eliminate all over spray onto hardscape & roadway surfaces.
- Mainline depth to be no less than 18". Lateral line depth to be no less than 12". Backfill with rock free soil and compact to 90% of the maximum density for the material used as determined by ASTM D–698 (Standard).
- Lateral lines are to be located within the 6' wide cemetery walkway area and the 10' wide vehicle access route area. The mainline and laterals shall not be located within the area of the burial plots.
- Allow 12" minimum space between heads and edge of concrete bench pads.
- Electric control valves to be covered with 12" valve box or larger flush with grade. Group nearby valves in one valve box.
- Wiring between controller and remote control valve shall be in conduit. Conduit shall have a minimum 12" cover. All wiring shall be 14 gauge or larger per specifications.
- Tracer wire shall be installed on all mains and laterals.
- Electrical wiring shall be installed in the same trench as the pipe; install wire above pipe, taped to the pipe every 10'.
- Locate drain valves at the lowest point(s) of elevation within each section.
- Coordinate with owner when programming controller. Watering times shall be from midnight to early morning.
- Locate valves as far back from existing trees as possible and conceal from view to the greatest extent possible. Install all valves within turf or planting areas.
- Wire splice connections to be waterproof.
- All pipes run underneath hardscape shall be installed inside sleeves.
- Sleeve inside diameter shall be two times the size of the outside diameter of the pipe(s) going through it. Sleeves to extend 12" past the hard surface and are to be marked with flags.
- Install all components as per local, state, and federal codes.
- All electrical wire shall be for 110/ 220 volt service. Wiring shall be installed by a licensed and competent electrician and installed to City code.
- All work performed shall conform to applicable City building and plumbing codes.
- Contractor is responsible for his/her own take-offs and is to verify all quantities. In the event of a conflict between the quantities on the irrigation schedule and the plans, the plans shall take precedence and the discrepancy shall be brought to the attention of the Landscape Architect prior to bid.
- Items such as wiring, valve boxes, connectors etc. are considered incidental to construction and are the responsibility of the contractor.
- Care is to be taken when digging around near existing tree roots. Contractor to hand dig around existing tree roots to minimize damage. All roots larger than 1" in diameter shall be root pruned. Contractor to bore under the tree when installing mainline within the dripline of a tree.
- All air/vacuum relief valves, valves, pressure reducing valves, pumps, pump control valves, etc. must be tagged or labeled indicating whether it is on the reclaimed water or potable water system.



			DESIGNED MR		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: IRRIGATION PLAN	PREPARED BY: 407.906.1776 www.wright-pierce.com 601 S LAKE DESTINY ROAD, SUITE 290, MAITLAND, FL 32751	ADMINISTERED BY: 5001 N Nebraska Ave., Ste. A, Tampa, FL 33603 Phone: 813.361.2644 www.MadridCPWG.com MATTI RUKHOLM, P.L.A., FL LIC NO. LA6687261, CPWG LC NO. 2600439	DATE: JULY 2024
			DRAWN MR/JR						PROJECT NO. 5015A
			CHECKED GH						SHEET: 1R-1
REV. NO.	DATE	DESCRIPTION	REV. BY						2025-C-799-00106 Michael Lemart 6/16/2026

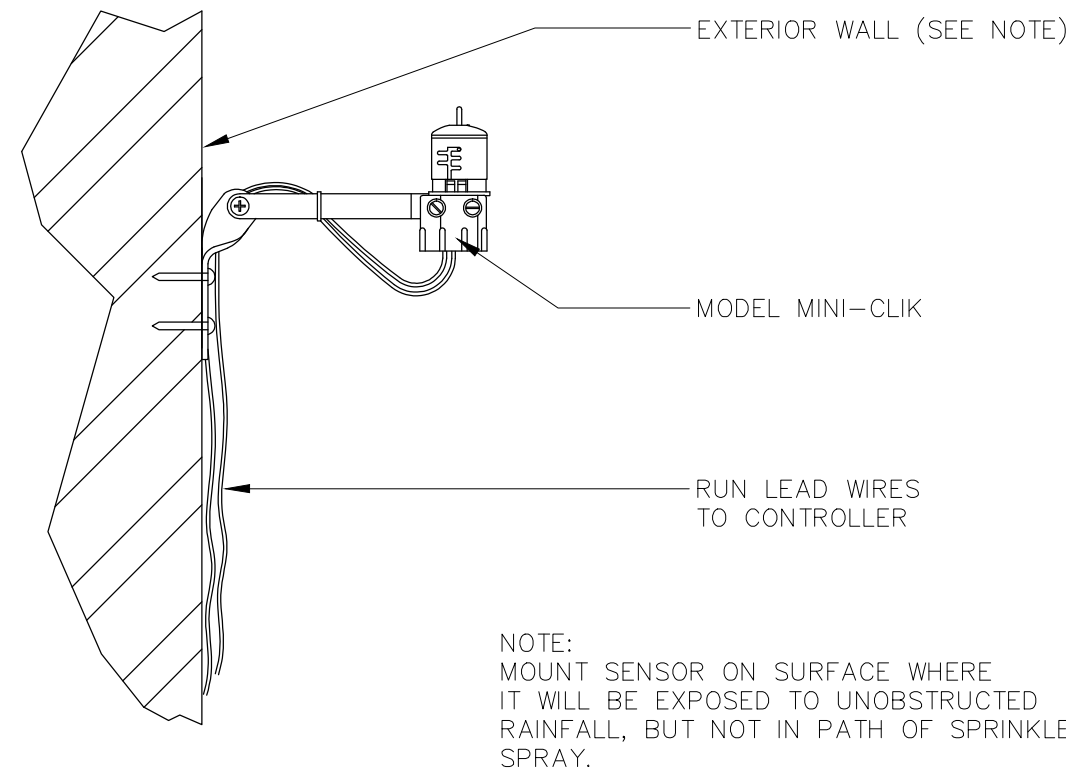
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NOTES:
1- SEE IRRIGATION LEGEND FOR MAINLINE AND LATERAL LINE PIPE SIZE AND TYPE.
2- IRRIGATION WIRE SHALL BE INSTALLED IN SCH. 40 PVC ELECTRICAL CONDUIT.
3- DETECTABLE LOCATOR TAPE SHALL BE LOCATED SIX INCHES (6") ABOVE THE ENTIRE MAINLINE RUN.

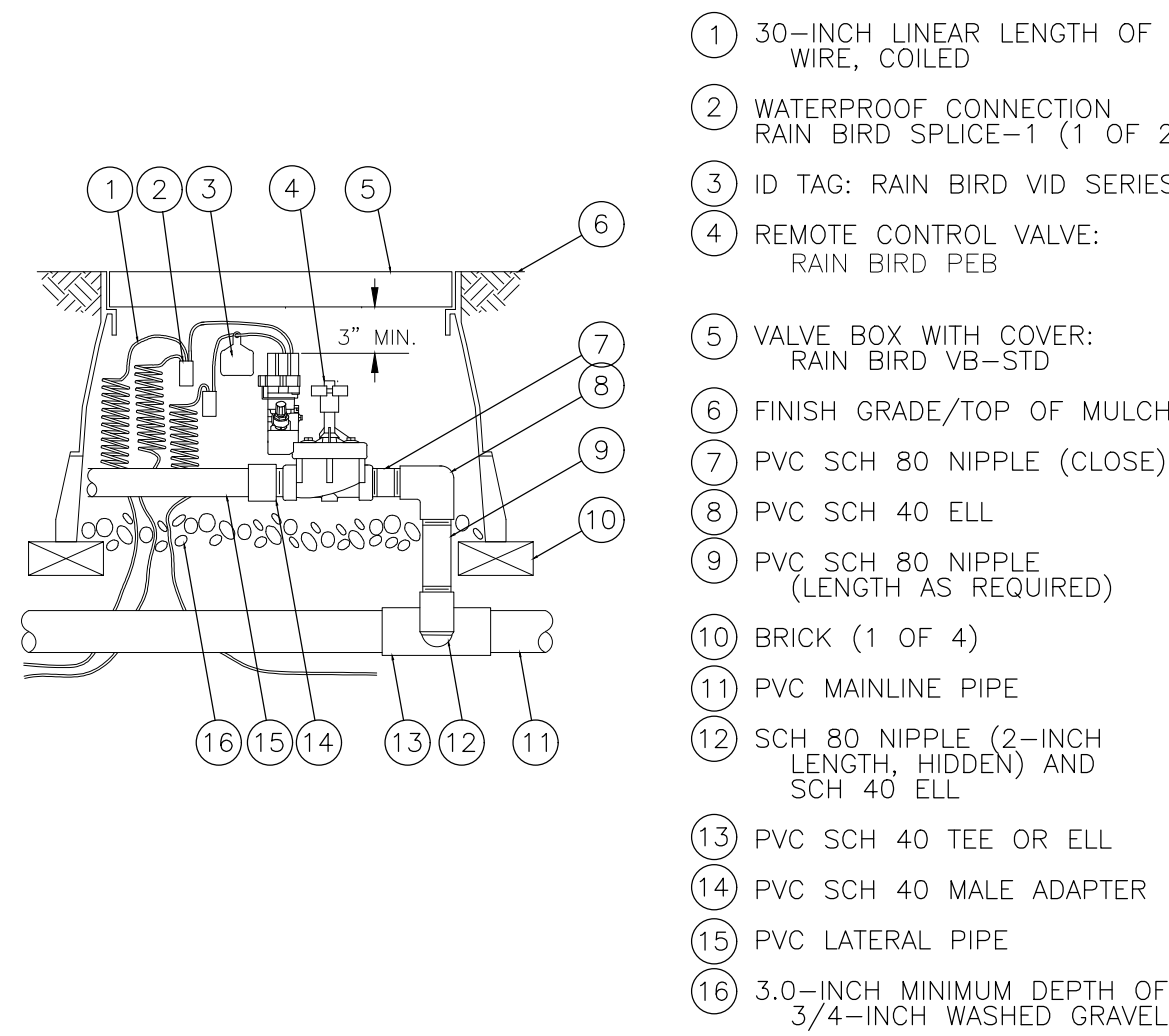
URBAN TREE FOUNDATION ©2014
OPEN SOURCE FREE TO USE

1 IRRIGATION TRENCHING
NTS P-CO-JIM-07

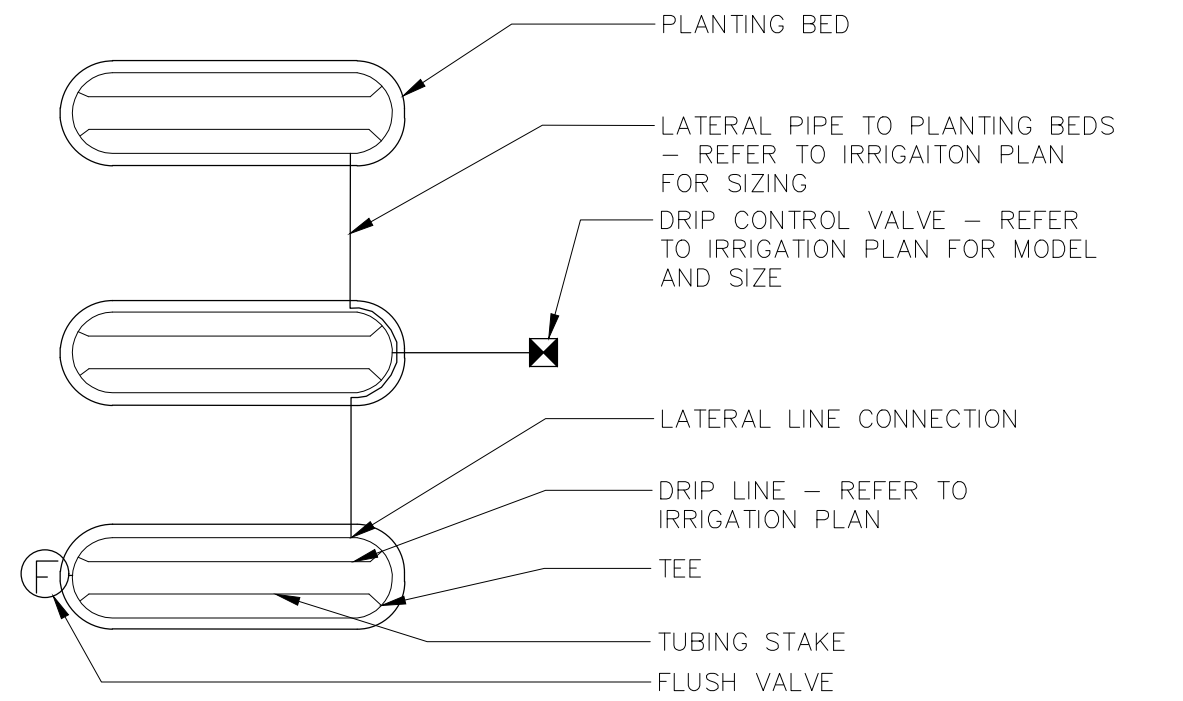


NOTE:
MOUNT SENSOR ON SURFACE WHERE IT WILL BE EXPOSED TO UNOBSTRUCTED RAINFALL, BUT NOT IN PATH OF SPRINKLER SPRAY.

2 MINI-CLICK RAIN SENSOR
NTS-OR APPROVED EQUAL P-CO-JIM-10

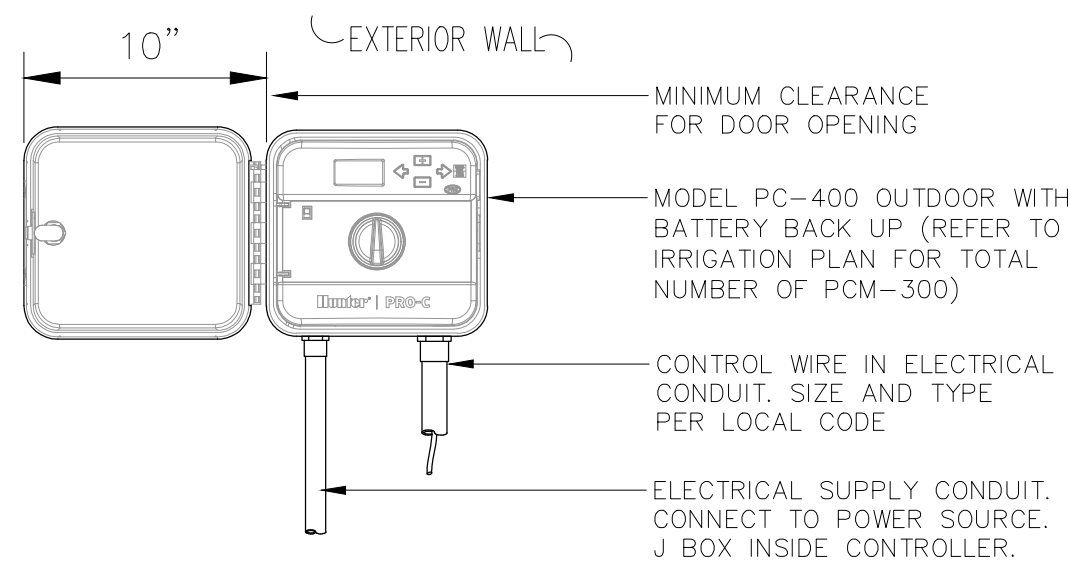


3 ELECTRIC REMOTE-CONTROL VALVE - PEB SERIES
NTS -OR APPROVED EQUAL P-CO-JIM-13



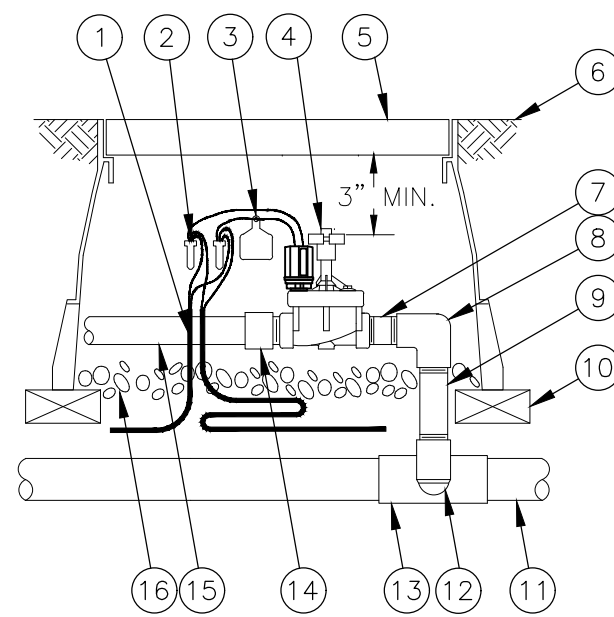
4 DRIPLINE LAYOUT - PLANTING BEDS
N.T.S. P-CO-JIM-14

-OR APPROVED EQUAL



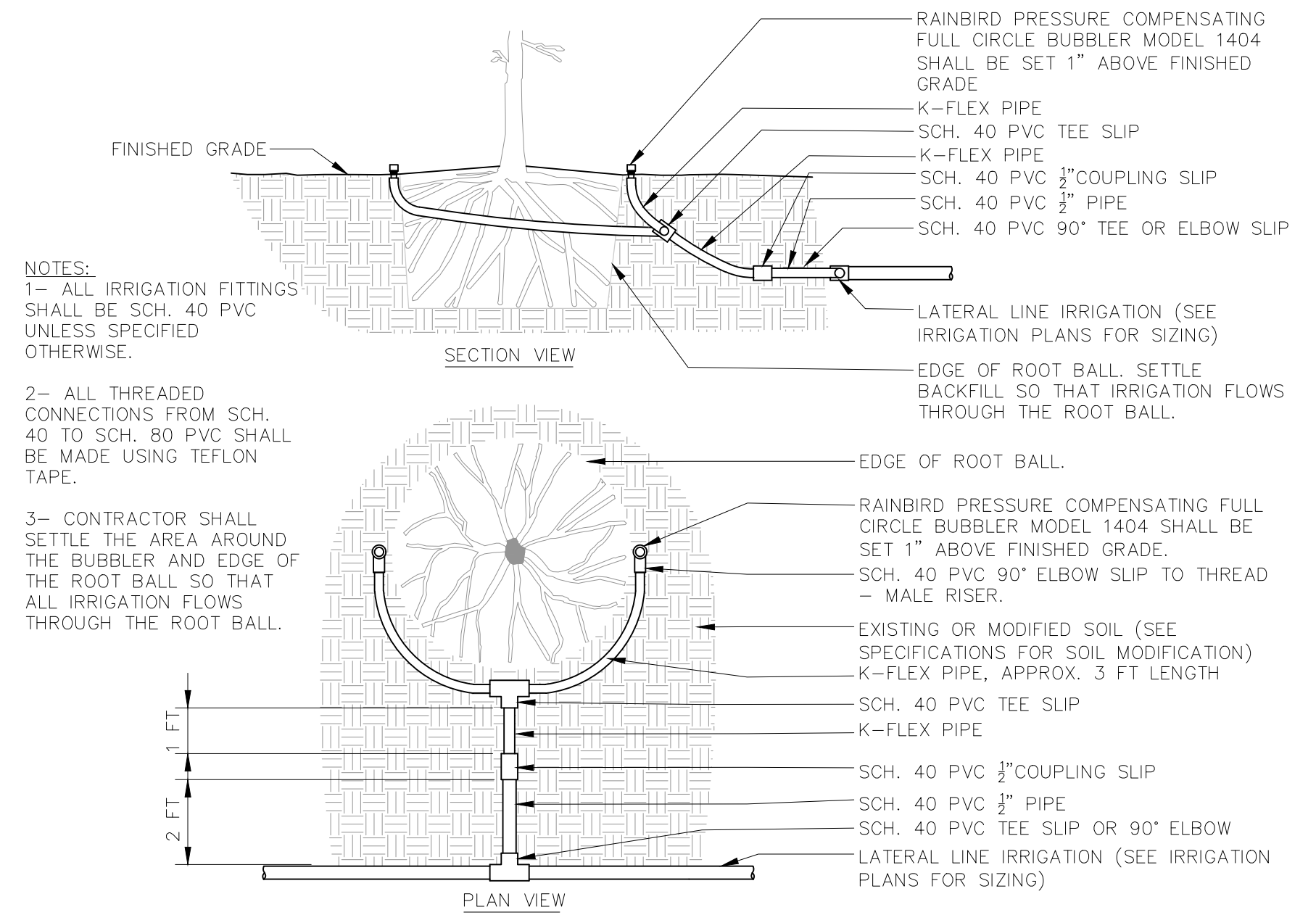
NOTE
MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL (WHERE POSSIBLE). CONTROLLER SHALL BE HARD-WIRED TO GROUND 110 VAC SOURCE. POWER SOURCE BY FLORIDA CERTIFIED & LICENSED ELECTRICIAN. IRRIGATION CONTRACTOR TO COORDINATE LOCATION & POWER SUPPLY WITH CLIENT.

5 HUNTER PRO-C CONTROLLER
N.T.S. -OR APPROVED EQUAL P-CO-ORL-25



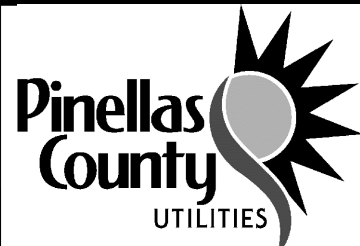
1 30-INCH LENGTH OF 2-WIRE CABLE
2 WATERPROOF CONNECTION RAIN BIRD WC20 (TWO REQUIRED)
3 ID TAG: RAIN BIRD VID SERIES
4 REMOTE CONTROL VALVE: RAIN BIRD PEB/PESB/PESB-R WITH IVM
5 VALVE BOX WITH COVER: RAIN BIRD VB-STD
6 FINISH GRADE/TOP OF MULCH
7 PVC SCH 80 NIPPLE (CLOSE)
8 PVC SCH 40 ELL
9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
10 BRICK (1 OF 4)
11 PVC MAINLINE PIPE
12 SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
13 PVC SCH 40 TEE OR ELL
14 PVC SCH 40 MALE ADAPTER
15 PVC LATERAL PIPE
16 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

6 ELECTRIC REMOTE-CONTROL VALVE - PEB/PESB/PESB-R WITH IVM
NTS-OR APPROVED EQUAL P-PU2-03



NOTES:
1- ALL IRRIGATION FITTINGS SHALL BE SCH. 40 PVC UNLESS SPECIFIED OTHERWISE.
2- ALL THREADED CONNECTIONS FROM SCH. 40 TO SCH. 80 PVC SHALL BE MADE USING TEFLON TAPE.
3- CONTRACTOR SHALL SETTLE THE AREA AROUND THE BUBBLER AND EDGE OF THE ROOT BALL SO THAT ALL IRRIGATION FLOWS THROUGH THE ROOT BALL.

7 IRRIGATION BUBBLER (2) W/ LAYOUT
NTS-OR APPROVED EQUAL P-PL-TRE-08

				DESIGNED	MR		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: IRRIGATION DETAILS	PREPARED BY: WRIGHT-PIERCE  407.906.1776 www.wright-pierce.com 601 S LAKE DESTINY ROAD, SUITE 290, MAITLAND, FL 32751	ADMINISTERED BY:  5001 N Nebraska Ave., Ste. A, Tampa, FL 33603 Phone: 813.361.2644 www.MadridCPWG.com MATTI RUKHOLM, P.L.A., FL LIC NO. LA6687261, CPWG LLC, NO. 2600439	DATE: JULY 2024
				DRAWN	MR/JR						PROJECT NO. 5015A
				CHECKED	GH						SHEET: 2
REV. NO.	DATE	DESCRIPTION	REV. BY								2025-C-799-00106 Michael Lemart 6/16/2026

**Gulf Beach Water Booster Station
Proof of Ownership**

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026

Order of Taking

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026

67 16979

IN THE CIRCUIT COURT OF THE SIXTH JUDICIAL CIRCUIT
OF THE STATE OF FLORIDA IN AND FOR PINELLAS COUNTY

LAW NO. 19,620

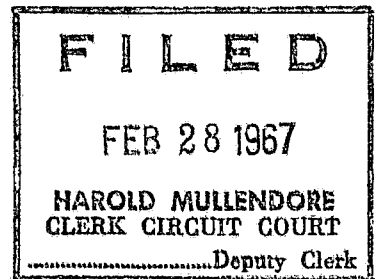
PINELLAS COUNTY, a political sub-
division of the State of Florida,

Petitioner,

vs.

LIDO BEACH CORPORATION OF ST. PETERSBURG,
INC., a Florida corporation,

Defendant.



ORDER OF TAKING

RECORDED
PINELLAS CO. FLORIDA
HAROLD MULLENDORE, CLERK
FEB 28 9 12 PM '67

This cause coming on to be heard by the Court, and it
appearing that proper notice was first given to the Defendant,
and all persons having or claiming any equity, lien or title
in or to the real property described in the Petition, that the
Petitioner would apply to this Court on the 27th day of February,
A.D. 1967, for an Order of Taking, and the Court being fully
advised in the premises, upon consideration, it is, therefore,

ORDERED AND ADJUDGED:

1. That the Court has jurisdiction of the subject matter
of this cause;
2. That the pleadings in this cause are sufficient;
3. That the Estimate of Value filed in this cause by the
Petitioner was made in good faith, and based upon a valid
appraisal;
4. That the Petitioner is entitled to possession of the
following described property prior to the entry of a final judg-
ment, upon payment into the Registry of this Court, the deposit
hereafter specified:

Tract A, less the north 120 feet, less the east 113.62 feet, Lido Beach Sub-division, Section 7, Township 32 South, Range 16 East, as recorded in Plat Book 34, Page 7, Public Records of Pinellas County, Florida;

and that said deposit of money will fully secure and fully compensate the persons lawfully entitled to compensation, as will be determined ultimately by final judgment of the Court, and which said sum of money to be deposited is in no instance less than double the Estimate of Value, as set by the Petitioner.

PROVIDED, FURTHER, that said sum of money in the total amount of Sixty-Nine Thousand and no/100 (\$69,000.00) Dollars shall be deposited in the Registry of this Court within twenty days after the date of this Order, it being understood that the Petitioner herein has consented to the amount of said deposit.

IT IS FURTHER PROVIDED that, upon making such deposit, the Petitioner shall notify, in writing, all attorneys of record that the deposit has been made, and that, upon making said deposit, Petitioner shall be entitled to possession of the property described in the Petition, without further notice or Order of this Court.

If the Petitioner shall default in the depositing of said sum of money within the time provided, this Order shall be void and of no further force or effect.

DONE AND ORDERED in Chambers in Clearwater, Florida, this

28 day of February, A.D. 1967.

B. J. Humer
Circuit Judge

Final Judgement

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026

IN THE CIRCUIT COURT OF THE SIXTH JUDICIAL CIRCUIT
OF THE STATE OF FLORIDA IN AND FOR PINELLAS COUNTY

LAW NO. 19,620

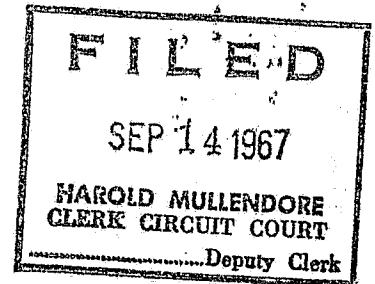
PINELLAS COUNTY, a political sub-
division of the State of Florida,

Petitioner,

vs.

LIDO BEACH CORPORATION OF ST. PETERS-
BURG, INC., a Florida corporation,

Defendant.



FINAL JUDGMENT

It appearing by Stipulation dated the 14th day of
September, 1967, and entered into between Petitioner, PINELLAS
COUNTY, and Defendant, LIDO BEACH CORPORATION OF ST. PETERSBURG,
INC., that all matters in controversy have been amicably
settled, upon consideration,

IT IS ORDERED AND ADJUDGED AS FOLLOWS:

1. The aforesaid Stipulation is confirmed and approved.
2. Full compensation to the fee simple owner of Parcel 3, LIDO BEACH CORPORATION OF ST. PETERSBURG, INC., for the property taken is Eighty-seven Thousand Three Hundred Eighty-two and 49/100 (\$87,382.49) Dollars .
3. From the fund deposited into the Registry of the Court pursuant to the Order of Taking herein, the Clerk is ordered forthwith to pay to the Defendant, LIDO BEACH CORPORATION OF ST. PETERSBURG, INC., the sum of Sixty-nine Thousand (\$69,000.00) Dollars .
4. Petitioner, PINELLAS COUNTY, is hereby directed to pay to the Defendant, LIDO BEACH CORPORATION OF ST. PETERSBURG, INC., the sum of Ten Thousand (\$10,000.00) Dollars
5. The Petitioner, PINELLAS COUNTY, is hereby directed to pay to Fisher, Sauls, Adcock and Keough, the sum of Six Thousand Three Hundred (\$6,300.00) Dollars, said sum constituting attorneys' fees for and on behalf of the Defendant.

RECORDED
PINELLAS CO. FLORIDA
HAROLD MULLENDORE, CLERK
SEP 14 8 37 PM '67

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026

6. The Petitioner, PINELLAS COUNTY, is hereby directed to pay to Frank C. Barrios the sum of One Thousand Four Hundred Fourteen and 93/100 (\$1,414.93) Dollars, said sum constituting appraiser's fees for and on behalf of the Defendant.

7. The Petitioner, PINELLAS COUNTY, is hereby directed to pay to Fisher, Sauls, Adcock and Keough the sum of Six Hundred Sixty-seven and 56/100 (\$667.56) Dollars, said sum constituting the costs incurred by said attorneys in representing the Defendant, LIDO BEACH CORPORATION OF ST. PETERSBURG, INC., in this proceeding.

8. The fee simple title in Parcel 3, legally described as follows, to-wit:

Tract A, less the north 120 feet,
less the east 113.62 feet, LIDO
BEACH SUBDIVISION, Section 7,
Township 32 South, Range 16 East,
as recorded in Plat Book 34, Page
7, Public Records of Pinellas
County, Florida.

heretofore vested in Petitioner, is confirmed and made final and conclusive as against the Defendant, LIDO BEACH CORPORATION OF ST. PETERSBURG, INC., and all persons claiming by, through or under it subsequent to the institution of this proceeding.

DONE AND ORDERED in Chambers in Clearwater, Pinellas County, Florida, this 14th day of September, 1967.

B. J. [Signature]
Circuit Judge

Date: **7/28/2024 (Revised 6/19/2025)**

Subject: **Gulf Beach Water Booster Station – Scope of Services within FDOT Right of Way**

Revisions have been italicized and underlined for clarity.

The purpose of this document is to describe the extent of work for the Gulf Beach Water Booster Station project within the Gulf Boulevard FDOT Right of Way to support the execution of a construction agreement and the granting of FDOT Drainage Connection Permit 24-D-799-00005.

The scope of services within the FDOT Right of Way and references to where this work can be found on the drawings associated with the previously mentioned permit are as follows:

- Demolition of existing concrete sidewalk (Sheet C-5);
- Removal of vegetation (Sheet C-5);
- Removal of underground electric service line (Sheet C-5);
- Construction of concrete sidewalk (Sheet C-6);
- Fill slope to tie proposed grading into existing grade between back of sidewalk and the right of way line (Sheet C-7 and C-12);
- Temporary Construction Fencing (Sheet C-10);
- Erosion control such as silt fence (Sheet C-19);
- Sodding and/or seeding (Sheet C-12);
- Pedestrian bench, waste receptacle, and pedestrian scale lighting (Sheet L-1);
- Miscellaneous activities as needed to support construction of the Gulf Beach Water Booster Station.
- Removal and replacement of water main (Sheet C-8)

Approved
2025-C-799-00006
Michael Lenhart
6/16/2026