



**INVITATION FOR BID**

**FOR**

**CONTINUING SERVICES FOR CULVERTS -  
CONSTRUCTION, REPLACEMENT, MAINTENANCE, REPAIRS,  
AND INDIVIDUAL PROJECTS (INCLUDING THOSE OVER \$300,000)**

**IFB # 2025-01**

**LEGAL NOTICE**  
**CONTINUING SERVICES FOR CULVERTS – CONSTRUCTION, REPLACEMENT,**  
**MAINTENANCE, REPAIRS, AND INDIVIDUAL PROJECTS ( INCLUDING THOSE OVER**  
**\$300,000)**

The Town of Loxahatchee Groves is soliciting sealed bids from responsible and experienced contractors for IFB# 2025-01 “Continuing Contract for Culverts – Construction, Replacement, Maintenance, Repairs and Individual Projects” (including those over \$300,000) to generally include construction, replacement, maintenance, and repairs of specifically identified culvert bridges over and into canals located within the Town of Loxahatchee Groves on an ongoing, as needed basis and as part of individual larger projects. The awarded contractors will receive work orders to complete the associated work and for each individual culvert project, including those estimated at more than \$300,000.

**Bid documents may be downloaded at the Town’s website at: [loxahatcheegrovesfl.gov](http://loxahatcheegrovesfl.gov) or online at [www.demandstar.com](http://www.demandstar.com) starting on January 24, 2025.**

- Electronic submittals will only be accepted when submitted through DemandStar. E-mailed submittals will NOT be accepted.
- Paper submittals (one original and one PDF Copy, either CD or thumbdrive) may be delivered to the Town Clerk’s Office at the address below:

Town Clerk  
Town of Loxahatchee Groves  
155 F Road  
Loxahatchee Groves, Florida 33470

Time is of the essence. Any bid received after **2:00 PM on March 6, 2025**, whether by mail or otherwise, will be returned unopened. The time of receipt shall be determined by the time clock located in the Town Clerk’s Office. Bids shall be placed in a sealed envelope, marked in the lower left-hand corner with the bid number, title, date, and hour bids are scheduled to be received. Bidders are responsible for ensuring that their bid is received and stamped by the Town Clerk’s personnel by the deadline indicated. All submittals will be publicly opened and read on March 6, 2025 at 2:00 p.m.

A mandatory pre-bid meeting will be held on February 3, 2025, at 10:00 A.M. Local Time in Town Hall, 155 F Road, Fl. 33470. In accordance with Florida Statutes, Section 119.071, proposals are exempt from public disclosure until such time as the Town provides notice of an intended award or until 30 days after the opening, whichever is earlier.

The Town reserves the right in its sole discretion to withdraw this IFB, to accept or reject any or all IFB submittals (in whole or in part) with or without cause, to waive all technicalities, nonmaterial irregularities or informalities on any and all proposals, to re-advertise, and/or take any other such actions that may be deemed to be in the best interest of the Town.

Any and all questions regarding this solicitation shall be directed to the Town Clerk, 155 F Road, Loxahatchee Groves, Florida 33470: Phone: 561-793-2418 or email: [voakes@loxahatcheegrovesfl.gov](mailto:voakes@loxahatcheegrovesfl.gov).

PUBLISH: *Palm Beach Post* & DemandStar: January 24, 2025

## **SECTION 1 – SCOPE OF WORK AND TENTATIVE BID SCHEDULE**

### **CONTINUING SERVICES FOR CULVERTS – CONSTRUCTION, REPLACEMENT, MAINTENANCE, REPAIRS, AND INDIVIDUAL PROJECTS ( INCLUDING THOSE OVER \$300,000)**

The Town of Loxahatchee Groves is soliciting bids from responsible and experienced contractors to provide continuing services related to culverts including construction, replacement, maintenance, and repairs on an ongoing, as-needed basis and for specific individual projects. The awarded contractor(s) will receive work orders to complete the services.

The scope of work is generally described as follows: The Town of Loxahatchee Groves is seeking qualified contractors to demonstrate specific experience in the general repair and replacement of stormwater assets. The successful contractor shall furnish, install, and provide all labor and materials to complete repair and replacement of designated stormwater assets as directed by the Town. Individual scopes of work will be provided for each project based on the unit price provided in the schedule of values. Individual purchase orders will be provided for each project.

Repair or replacement will be made to the Town's stormwater systems and generally consist of, but are not limited to, furnishing and installing various types of pipe for stormwater conveyance, and concrete structures for stormwater systems. Set up and monitoring of bypass pumping dewatering systems; and restoration related to landscaping, asphalt, and concrete work may also be required as need. Additionally, projects may include the installation of a bypass road to allow residents to enter and leave the area while work is performed. All work will be performed on works owned and operated by the Town of Loxahatchee Groves and the Loxahatchee Groves Water Control District.

A more detailed scope of work for the general construction, replacement, maintenance and repair work on culverts and detailed scopes of work for each individual culvert project are attached and incorporated herein as composite **Exhibit A**.

All work shall be constructed in accordance with all applicable laws, rules, regulations, and standards, the Town's design specifications and standards, if applicable, and in accordance with these bid documents which are available on the Town's website at [loxahatcheegrovesfl.gov](http://loxahatcheegrovesfl.gov).

The Town intends to award contract to one or more contractors who are the lowest responsible, responsive bidders. The selected contractors will receive work orders during the effective term of the contract. **Each work order, depending on the amount of the project, may, at the request of the Town, require a payment and performance bond equal to 100% of the cost of the work for that project.** The selected contractor(s) will receive a description of the scope of work and specifications, if any, for each requested project so that the contractor(s) may prepare the Town's work order form for the project along with a detailed cost estimate based on the executed contract with unit prices. The project manager will send a notice to proceed (or fully executed work order) to the contractor(s) after obtaining Town Manager's office or Town Council approval as applicable for each work order.

### **TENTATIVE BID SCHEDULE**

Listed below are the tentative dates and times of the project and schedule by which the actions noted must be completed. If the Town finds it necessary to change any of these dates and/or times, the change will accomplished by addenda. All dates and times are subject to change at the Town's discretion.

#### **ACTION**

#### **COMPLETION DATE**

<b>Pre-Bid Meeting</b>	<b>Monday, February 3, 2025 at 10 AM</b>
<b>Final Questions Due</b>	<b>Friday, February 14, 2025 at 4 PM</b>
<b>Addenda Published</b>	<b>Monday, February 24, 2025 at 5 PM</b>
<b>Proposals Due</b>	<b>Thursday, February 6, 2025 at 2 PM</b>

**SECTION 2 – SPECIAL TERMS**

1. **Pre-Bid Conference.** Mandatory Pre-Bid meeting is scheduled for Monday, February 3, 2025 at 10 AM at Town Hall, 155 F Road, Loxahatchee Groves, FL 33470.

2. **Time of Completion and Liquidated Damages.** The work to be performed under this IFB shall commence on the date of the Notice to Proceed or the date of each issued work order. The work to be performed under this project shall commence and be fully completed within the times identified in each work order and as otherwise set forth in the resulting contract.

The Town and Contractor recognize that the time for final completion of all work under the contract is critical. The Town will suffer financial loss if the Contractor fails to achieve final completion by the time specified herein and as otherwise set forth in each work order. In such event, the total amount of the Town’s damages, will be difficult, if not impossible, to definitely ascertain and quantify. Should the Contractor fail to achieve final completion within the timeframe established in the Contract or any work order, the Town shall be entitled to assess, as liquidated damages, but not as a penalty, \$500.00 (Five Hundred Dollars) for each calendar day thereafter until final completion of all work. The Contractor expressly waives and relinquishes any right which it may have to seek to characterize the above noted liquidated damages as a penalty, which the parties agree represents a fair and reasonable estimate of the Town’s actual damages at the time of contracting if Contractor fails to complete all work within the required timeframes.

3. **Permits and Fees.** In accordance with the Public Bid Disclosure Act, the Contractor will be required to obtain from the Town of Loxahatchee Groves the following permits or licenses, impact, inspection or other fees for this Project under the Contract:

<u>(Permit)*</u>	<u>(Fee/Amount or calculation)</u>
<b>All required Town rights of way permits</b>	<b>Permit fees are waived by Town</b>

\*Unless otherwise set forth in the Contract Documents, the Town’s consultant will obtain all permits from any other governmental entities required by the work hereunder.

4. **Licenses.** Each Bidder shall have the following licenses at the time of bid submittal or its bid may be disqualified:

- State of Florida General Contractor’s license OR
- State of Florida Underground Utility Contractor license

Each Bidder will also be required, at the time of contract execution, to have a business tax receipt in accordance with the following:

- No person, contractor or subcontractor may conduct business within the Town without a business tax receipt.
- Any person engaging in any business, occupation or profession within the Town without a permanent business location or branch office in the Town, but holding a valid and currently effective business tax receipt issued by the county or another incorporated municipality meets this requirement.

5. **Construction Bond.** Payment and Performance Bonds in accordance with the Town's Procurement Code, the resulting contract, and Section 255.05, Florida Statutes, shall be required for each associated work order issued under the resulting contract unless waived by the Town in writing.

6. **Insurance.** Prior to execution of the resulting contract derived from this IFB, the awarded bidder shall obtain and maintain in force at all times during the term of the resulting contract insurance coverage as required herein. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. The Certificates shall clearly indicate that the selected bidder has obtained insurance of the type, amount, and classification as required for strict compliance with this provision and that no material change or cancellation of the insurance shall be effective without thirty (30) days prior written notice to the Town. Compliance with the foregoing requirements shall not relieve the selected bidder of its liability and obligations under the resulting contract.

- A. The selected bidder shall maintain, during the life of the contract, commercial general liability, including public and contractual liability insurance in the amount of \$1,000,000.00 per occurrence (\$2,000,000.00 aggregate) to protect the bidder from claims for damages for bodily and personal injury, including wrongful death, as well as from claims of property damages which may arise from any operations under the contract, whether such operations be by the bidder or by anyone directly or indirectly employed by or contracting with the bidder.
- B. The selected bidder shall maintain general automobile liability insurance for owned and hired vehicles (optional / per case basis) of at least \$1,000,000 combined single limit.
- C. The selected bidder shall carry Workers' Compensation Insurance and Employer's Liability Insurance for all employees as required by Florida Statutes.

All insurance, other than Workers' Compensation, to be maintained by the selected bidder shall specifically include the "Town of Loxahatchee Groves, its elected officials, employees and representatives" as an "Additional Insured". The selected contractor shall agree to a Waiver of Subrogation for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss contract to waive subrogation without an endorsement then the selected contractor shall agree to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy where a condition to the policy specifically prohibits such an endorsement, or voids coverage should the contractor enter into such a contract on a pre-loss basis. All deductible amounts shall be paid for and be the responsibility of the selected contractor for any and all claims under any resulting contract. It shall be the responsibility of the selected contractor to ensure that all subcontractors, if authorized, comply with the same insurance requirements herein.

7. **Warranty.** The successful Bidder agrees to a contract provision as follows: Contractor warrants and guarantees to the Town that all work, including but not limited to all equipment, materials, parts and workmanship, will be in accordance with the requirements and technical specifications of the resulting Contract and not be defective. Contractor warrants that all materials and parts supplied under each work order shall be free from defects for one (1) year from the final completion of all work (unless a longer manufacturer warranty applies). Contractor warrants that all work performed under each work order will be free from defects for one (1) year from the final completion of all work. If, at any time prior to the expiration of the one (1) year warranty period, the Town discovers any failure or breach of the Contractor's warranties or the Contractor discovers any failure or breach of the Contractor's warranties, the Contractor will, upon written notice from Town or of its own accord, at the Contractor's sole cost and expense, promptly correct such failure or breach (which corrective action must include, without limitation, any necessary removal, disassembly, reinstallation, repair, replacement, reassembly, retesting, and/or re-inspection of any part or portion of the work and any other property damaged or affected by such failure, breach, or corrective action). The Contractor will remedy any such failure or breach so, to the extent possible, to avoid unnecessary disruptions to the operations of the Town or its drainage operations and systems. In the event the Contractor fails to initiate and diligently pursue corrective action within five (5) days of the Contractor's receipt of the Town's notice or the Contractor's discovery of the same, the Town may undertake such corrective action at the Contractor's expense. The Contractor's obligations under this section shall be limited to the cost of repair of the defective condition. The warranties herein are in addition to and not in lieu of any applicable implied warranties.

8. **Other Special Conditions.** The Town intends to award contracts to one or more contractors who are the lowest, responsive, responsible bidders. The selected contractors will receive work orders during the effective term of the contract and prior to the contract's expiration date. **Each work order requires a payment and performance bond equal to 100% of the cost of the work unless otherwise waived in writing by the Town.** The selected contractor(s) will receive a project description for each work order and will prepare a detailed cost estimate based on the executed contract with unit prices. If the Town accepts the estimate, the selected contractor will prepare and submit its proposed work order (with estimates attached) to the Town for review and approval. The project manager will send a notice to proceed to the contractor(s) after obtaining Town Manager's office or Town Council approval as applicable for each work order.

The contract may be renewed on the calendar day anniversary of the contract each year up to a maximum of three (3) one year renewals after the two (2) year initial term; subject to the approval of the Town Council. Pricing provided for each item referenced on the bid form is fixed for that period. The pricing for escalations during renewal periods will be as set forth in the resulting contract and subject to approval by the Town Council.

Estimated quantities may be provided by the Town's Engineer and a set of construction plans will be given to each awarded contractor for each work order. There is no guarantee of the quantity of work for the successful contractor(s), and the listed projects in the Scope of Work may be revised, removed, and/or may be subject to changing conditions.

### **SECTION 3 – MINIMUM QUALIFICATIONS**

Each Bidder must meet the following minimum qualification requirements in order to be considered for award. A Bidder who fails to meet these requirements will be disqualified. All decisions on qualifications are within the Town's sole discretion.

1. Bidder must have served as prime contractor for a minimum of two similar (2) projects involving similar scope of work and similar size projects within the last thirty-six (36) months.

Complete Form B2 – Bidder's Qualifications Form

2. Bidder must possess an active license as described in the "Licenses" section above.
3. Letter establishing the Bidder's bonding capacity.

### **SECTION 4 - INSTRUCTIONS TO BIDDERS**

1. **How to Submit a Bid.**

- a. Electronic submittals will only be accepted when submitted through DemandStar.
- b. Paper submittals (one original and one PDF copy, either CD or thumbdrive) of the bid must be submitted in a sealed envelope, marked on the outside lower left-hand corner of the envelope with the Bid number, title, and date and hour bids are scheduled to be received. Sealed bids shall be mailed or hand-delivered to:

**Town of Loxahatchee Groves  
Town Clerk  
155 F Road  
Loxahatchee Groves, FL 33470**

c. Time is of the essence and any bid received after the closing date and time indicated on the cover of this IFB, whether by mail or otherwise, may be rejected. The time of receipt shall be determined by the time clock located in the Town Clerk's Office. Bidders are responsible for insuring that their bid is stamped by Town personnel by the deadline indicated. The Town shall in no way be responsible for delays caused by any occurrence.

- d. Bids submitted by telephone, telegram facsimile or email shall not be accepted.

e. Submission of a Bid implies a full understanding of this IFB. Any misunderstanding as to such terms by the Bidder will not relieve the Bidder from performance.

f. This IFB consists of this document along with all plans, drawings and/or technical specifications incorporated in or attached to this IFB, if any, all of which are incorporated herein by this reference.

2. **The Bid Package.** Each bid submitted in response to this IFB shall contain the following documents:

- B1 Bid Cover Sheet
- B2 Bidder's Minimum Qualifications
- B3 Bid
- B4 Schedule of Bid Items
- B5 Substitution Sheet
- B6 Schedule of Subcontractors (with daily reporting format)
- B7 Contractor Verification
- B8 Reference List
- B9 Non-Collusion Affidavit
- B10 Drug Free Certification
- B11 Trench Safety Compliance Form
- B12 Contractor's Material Suppliers
- B13 Contractor's Existing and Proposed Workload
- B14 Scrutinized Companies Certification Form
- B15 Conflict of Interest Statement
- B16 State of Florida E-Verify Form
- B17 Bidder's (and subcontractors', if applicable) FDOT qualification letters applicable to work

**AVOID BID REJECTION:** Bids may be rejected for noncompliance to requirements after review by the Town. All bids must be submitted on the provided Bid forms and **signed in ink by an officer authorized to bind the Bidder where applicable.**

3. **Completion of Bid Submission Package.**

a. It is the responsibility of the Bidder to insure that all pages are included. All Bidders are advised to closely examine this IFB.

b. All bids must be submitted on the provided Bid forms. Bids submitted on Bidder's letterhead or quotation forms will not be accepted.

c. Bid forms must be neatly written in ink or typed, and must be signed in ink by an officer or employee having authority to bind the bidder (where a signature is required). Failure to submit a duly signed bid may be cause for rejection of the bid.

4. **Errors/Erasures/Corrections.**

a. Bids having erasures or corrections must be initialed in ink by the Bidder. If a correction is necessary, draw a single line through the entered figure and enter the corrected figure above it and initial the correction. Any illegible entries, pencil bids or corrections not initialed may not be accepted.

b. In the event of mathematical extension error(s), the unit price will prevail and the bidder's total offer will be corrected accordingly. In the event of addition errors, the extended line item will prevail and the bidder's total will be corrected accordingly.

c. Bidders shall not be allowed to modify their bids after the bid opening time and date. Bid files may be examined during normal working hours, after bid opening, by appointment only.

d. Bidder represents that it has taken all necessary steps to ascertain the nature and location of the work and that it has investigated and satisfied itself as to the general and local conditions which can affect the performance of the work, including: (i) conditions relating to access, egress, transportation, debris disposal, parking and storage of materials; (ii) availability of labor, equipment, materials, and other necessities; and (iii) physical

conditions at the site. Any failure by Bidder to take these steps will not relieve the Bidder from the responsibility for estimating properly the difficulty and cost of successfully performing the work without additional expense to Owner.

5. **Bid Prices.** All prices shall remain valid for one hundred and twenty (120) days after the date of bid closing or other time stated in the Special Terms. Prices must be stated in the units specified on the Schedule of Unit Prices.

6. **Substitutions.** If Bidder wishes to offer a substitution for a specified item of materials or equipment, the proposed substitution must be listed on the Substitution Sheet. In each case, the difference in price between the base bid and the price for the proposed substitution shall be specified or if there is no price difference that shall be specifically indicated. The Bid shall reflect the Bidder's price for the item specified in the Schedule of Bid items; not the proposed substitution. The best value bid will be established considering the base Bid, not any proposed substitution.

7. **Subcontracting.** If a Bidder intends to subcontract any portion of the work, the Schedule of Subcontractors form must be fully completed and submitted with the bid. The name, address, phone number and extent of work and value of the work to be performed should be included for all sub-contractors. The Town reserves the right to reject any bid if the bid names a subcontractor who has previously failed in the proper performance of an award, or failed to deliver on time contracts of a similar nature, or who is not in a position to perform under this award. The Town reserves the right to inspect all facilities of any subcontractor in order to make a determination as to the foregoing.

The Bidder shall submit for the Town's review and approval, as part of their bid submission, a sample copy of the company's daily reporting format for reporting the progress of construction. This format shall include but not be limited to the detailing of all labor, equipment and materials used in the construction of the project along with the areas worked, type of work performed, problems encountered and daily weather conditions at the work areas.

The Prime Contractor shall be required to self-perform and construct a minimum of 50% of the awarded work order for any given work assignment. Subcontracting out more than 50% of the work may constitute cancellation of the contract.

8. **Bid Bonds or Deposits.** Each bid must be accompanied by a bid bond or a deposit in a sum of not less than five percent (5%) of the total bid. Bid bonds and deposits amounting to less than one hundred dollars (\$100) need not be submitted. Only the following types of bonds or deposits will be accepted:

1. Bid bond signed by a surety company authorized to do business in the State of Florida.
2. Cashier Check or bank draft of any national or state bank.
3. Certified check drawn on a financial institution acceptable to the Town.
4. U.S. Postal Money Order.

All checks and orders must be made payable to the Town of Loxahatchee Groves. The Town reserves the right to hold the bid security until a contract is properly executed and proof of the required insurance and bond(s) is provided. If any bidder presented with a contract fails to execute such contract with the Town and/or provide the required insurance and bonds within ten (10) calendar days of receipt of the contract, the Town shall be entitled to retain the deposit or enforce the bond. Bid deposits of unsuccessful bidders will be returned after execution of a contract and proof of the required insurance and bonds.

9. **Certification and Licenses.** Bidder must include with its bid package a copy of all applicable certificates and licenses and a current Business Tax Receipt in the name of the Bidder submitting the Bid from the County in which the Bidder's principal place of business is located and in accordance with the Chapter 22, Article V Local Business Tax of the Town's Code of Ordinances.

10. **No Lobbying – Cone of Silence.** In accordance with the Palm Beach County Lobbyist Registration Ordinance, the cone of silence will be in effect as of the due date for proposals in response to this IFB. In summary, the cone of silence prohibits communication between certain Town officials, employees and agents and any entity or person seeking to be awarded a contract (including their representatives, lobbyists and potential



subcontractors). The cone of silence terminates at the time of award, rejection of all response or some other action by the Town to end the selection process

11. **Conflict of Interest and Ethics Requirements.** This IFB is subject to the State of Florida Code of Ethics, the Palm Beach County Code of Ethics, and the Town of Loxahatchee Groves Code of Ethics for Public Officers. Accordingly, there are prohibitions and limitations on the employment of Town officials and employees and contractual relationships providing a benefit to the same. Bidders are highly encouraged to review all the codes mentioned herein to insure compliance with the same.

12. **Public Entity Crimes.** Pursuant to section 287.133, Florida Statutes, a person or affiliate who has been placed on the convicted vendor list maintained by the State of Florida may not submit a bid to or enter into a contract with the Town in excess of the threshold amount provided in section 287.017, Florida Statutes, for Category Two for 36 months following the date of being placed on the convicted vendor list.

13. **Inquiries and Addenda.** Any and all inquiries on the scope of work, specifications, additional requirements, attachments, terms and general conditions or instructions, or any issue, must be directed in writing, by US mail, fax or email to:

Richard Gallant, Public Works Director c/o  
Town Clerk  
Town of Loxahatchee Groves  
155 F Road, Loxahatchee Groves, FL 33470  
E-mail: [voakes@loxahatcheegrovesfl.gov](mailto:voakes@loxahatcheegrovesfl.gov)  
Phone: (561) 807-6671

Any addenda or other modification to the Bid documents will be issued by the Town prior to the date and time of Bid closing, as a written addenda distributed to all prospective bidders who have obtained the bid package directly from the Town or its authorized representative. Such written addenda or modification shall be part of the Bid documents and shall be binding upon each Bidder. Each Bidder is required to acknowledge receipt of any and all addenda in writing and submit with their bid. No Bidder may rely upon any oral or verbal modification or interpretation in preparing its bid. No interpretation of this IFB will be made for any bidder, except by written addendum.

14. **Acceptance; Rejection; Cancellation.** This IFB may be cancelled and may or may not be re-bid when determined to be in the best interests of the Town. Any or all bids may be accepted or rejected in whole or in part, when determined to be in the best interests of the Town. The Town reserves the right to inspect all facilities of bidders. Any bid received without an authorized signature or past the submittal deadline may be rejected.

Any withdrawal or cancellation of this Invitation for Bid, either before or after selection of a bidder, shall be without liability or obligation on the part of the Town or its employees. Any action, selection or failure to select a successful bidder to this Invitation for Bid shall be without any liability or obligation of the part of the Town or its employees.

The Town reserves the right to waive any non-material irregularities and technicalities, except timeliness and signature requirements. Bids may be considered irregular and may be rejected if the bid: 1) does not strictly conform to the requirements of this IFB; 2) is incomplete; 3) any Bid Form is altered; 4) contains additions not called for; 5) is conditional; 6) contains prices that are, in the opinion of the Town, unbalanced either in excess or below the reasonable cost analysis values; and/or 7) bids are in excess of the approved budget for the project.

15. **Selection of Bidder with Whom to Contract.** The selection of a bidder with whom to contract shall be based on the lowest responsive, responsible bidder which may include a consideration of one or more of the following criteria:

- a. The prices contained in the bid.
- b. The capability and skill of the bidder to perform the contract.
- c. The current workload of the bidder and whether the bidder can perform the contract promptly or within the time specified, without delay or interference.
- d. The honesty and business judgment of the bidder.
- e. The quality of performance of previous contracts of services, including, but not limited to, town contracts.
- f. The sufficiency of the financial resources and ability of the bidder to perform the contract.

- g. The previous conduct of the bidder, including but not limited to its compliance with laws and ordinances relating to the contract or service.
- h. The ability of the bidder to provide future maintenance and service for the use of the subject of the contract.
- i. The number and scope of conditions attached to the bid.

16. **Posting of Award Tabulations.** The selected bidder will be notified in writing with intent to award a contract. Recommended awards will be available for review by interested parties at Town Hall, 155 F Road, Loxahatchee Groves, FL and posted on the Town's website.

17. **Contract.** The Town and successful bidder will be contractually bound only if and when a written contract between the parties is executed by the Town. In the event a contract is not executed with the selected bidder and Town reserve the right to select the next "best value" bidder based on the bid tabulation and to contract with said bidder. The Town's standard contract is attached hereto as **Exhibit B** and incorporated herein.

18. **Procurement Code.** The Town's Procurement Code, sections 2-132 to 2-137 of the Town's Code of Ordinances, shall govern this IFB. If there are any inconsistencies between this IFB and the Procurement Code, the Procurement Code shall take precedence.

19. **Costs.** All costs incurred by any party in responding to this Invitation for Bid are the sole responsibility of the Bidder including any costs, fees or expenses associated with a protest.

20. **E-Verify.** Pursuant to Section 448.095(5), Florida Statutes, the successful bidder shall:

- 1. Register with and use the E-Verify system to verify the work authorization status of all new employees and require all subcontractors (providing services or receiving funding under the resulting contract) to register with and use the E-Verify system to verify the work authorization status of all the subcontractors' new employees;
- 2. Secure an affidavit from all subcontractors (providing services or receiving funding under the contract) stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien;
- 3. Maintain copies of all subcontractor affidavits for the duration of the contract;
- 4. Comply fully, and ensure all of its subcontractors comply fully, with Section 448.095, Florida Statutes;
- 5. Be aware that a violation of Section 448.09, Florida Statutes (Unauthorized aliens; employment prohibited) shall be grounds for termination of the contract; and
- 6. Be aware that if the Town terminates the contract under Section 448.095(5)(c), Florida Statutes, the bidder may not be awarded a public contract for at least 1 year after the date on which the contract is terminated and will be liable for any additional costs incurred by the Town as a result of the termination of the contract.

21. **Town is Document Gatekeeper.** This IFB is issued directly by the Town and the Town shall be the sole distributor of all addenda and/or revisions to these documents. It is the responsibility of the Bidder to confirm the legitimacy of procurement opportunities or notices directly with the Town Clerk's Office. The Town is not responsible for any solicitations advertised by subscriptions, publications, websites (other than the Town's) or other sources not connected with the Town and the Bidder should not rely on such sources for information regarding any solicitation made by the Town.

22. **Minority Enterprise.** Documentation to support a Bidder as a Minority Enterprise as certified by the State of Florida must be submitted with a Bidder's bid in response to the IFB. Documentation submitted after the bid deadline will be rejected.

23. **Property of the Town.** All materials submitted in response to this IFB become the property of the Town. The Town has the right to use any or all ideas presented in any response to this IFB, whether amended or not, and selection or rejection of a proposals does not affect this right. No variances to this provision shall be accepted.

24. **Disclosure and Disclaimer.** The information contained herein is provided solely for the convenience of the Bidders. It is the responsibility of each Bidder to assure itself that information contained herein is accurate and complete. Neither the Town, nor its advisors provide any assurances as to the accuracy of any information in this IFB. Any reliance on the contents of this IFB regarding the project or scope of thereof, or on any oral communications

with Town representatives or advisors, shall be at each Bidder's own risk. Bidders should rely exclusively on their own investigations, interpretations and analyses in connection with this matter. This IFB is being provided by the Town without any warranty or representation, express or implied, as to its content, accuracy or completeness and no Bidder or other party shall have recourse to the Town if any information herein contained shall be inaccurate or incomplete. No warranty or representation is made by the Town that any bid or proposal conforming to these requirements will be selected for consideration, negotiation or approval.

Any action taken by the Town in response to bids or proposals made pursuant to this IFB or in making any award or failure or refusal to make any award pursuant to such bids or proposals, or in any cancellation of award, or in any withdrawal or cancellation of this RFP, either before or after issuance of an award, shall be without any liability or obligation on the part of the Town, or their advisors.

Any bidder of this IFB who responds hereto fully acknowledges all the provisions of this Discloser and Disclaimer and agrees to be bound by the terms hereof. Any proposal submitted pursuant to this IFB is at the sole risk and responsibility of the party submitting such proposal.

25. **Compliance.** All bids or proposals received in accordance with this IFB shall be subject to applicable Florida Statutes governing public records including without limitation Chapter 119, Florida Statutes.

26. **Office of the Inspector General.** In accordance with Palm Beach County ordinance number 2011-009, this RFP and resulting contract may be subject to investigation and/or audit by the Palm Beach County Inspector General. The Inspector General of Palm Beach County has the authority to investigate and audit matters relating to the negotiation and performance of the awarded contract and in furtherance thereof may demand and obtain records and testimony from the contractor and its subcontractors and lower tier subcontractors. The contractor understands and agrees that in addition to all other remedies and consequences provided by law, the failure of the contractor or its subcontractors or lower tier subcontractors to fully cooperate with the Inspector General when requested may be deemed by the municipality to be a material breach of the awarded contract justifying its termination. Bidder/Proposer should review Palm Beach County ordinance number 2011-009 in order to be aware of its rights and/or obligations under such ordinance and as applicable.

27. **Scrutinized Companies.** The bidder certifies that it and its subcontractors are not on the Scrutinized Companies that Boycott Israel List and are not engaged in a boycott of Israel. Pursuant to section 287.135, Florida Statutes, the Town may immediately terminate the resulting contract at its sole option if the bidder or any of its subcontractors are found to have submitted a false certification; or if the bidder or any of its subcontractors, are placed on the Scrutinized Companies that Boycott Israel List or is engaged in the boycott of Israel during the term of the contract including any and all renewals. If the resulting contract is for one million dollars or more, the bidder certifies that it and its subcontractors are also not on the Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, Scrutinized Companies with Activities in Iran Terrorism Sectors List, or engaged in business operations in Cuba or Syria as identified in Section 287.135, Florida Statutes. Pursuant to Section 287.135, the Town may immediately terminate the contract at its sole option if the bidder, or any of its subcontractors are found to have submitted a false certification; or if the bidder or any of its subcontractors are placed on the Scrutinized Companies with Activities in Sudan List, or Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or Scrutinized Companies with Activities in Iran Terrorism Sectors List, or are or have been engaged with business operations in Cuba or Syria during the term of the contract.

The bidder agrees to observe the above requirements for applicable subcontracts entered into for the performance of work under the resulting contract. The bidder agrees that the certifications in this section shall be effective and relied upon by the Town for this solicitation and the term of any resulting contract, including any and all renewals. The bidder agrees that if it or any of its subcontractors' status changes in regards to any certification herein, the bidder shall immediately notify the Town of the same. As provided in Subsection 287.135(8), Florida Statutes, if federal law ceases to authorize any of the above-stated contracting prohibitions then they shall become inoperative.

28. **Non-Discrimination.** The bidder shall not discriminate against any person in its operations, activities or delivery of services. The bidder shall affirmatively comply with all applicable provisions of federal, state, and local equal employment laws and shall not engage in or commit any discriminatory practice against any person based on race, age, religion, color, gender, sexual orientation, national origin, marital status, physical or mental disability, political affiliation or any other factor which cannot be lawfully used as a basis for service delivery.

29. **Quantities.** In the case of unit price items, the quantities of materials to be furnished under the resulting contract, if given in the Bid, are to be considered as approximate only and are to be used solely for the comparison of Bids received. The Town does not expressly or by implication represent that the actual quantities involved will correspond exactly therewith; nor shall the Bidder place misunderstanding or deception because of such estimate or quantities. Payment to the successful contractor will be made only for the actual quantities of material furnished in accordance with the Contract Documents, and it is understood that the quantities may be increased or diminished in the sole discretion of the Town without in any way invalidating any of the unit prices Bids. Further, the Bidder understands that the Town may elect to construct only a portion of the work covered by these documents and the Bidder agrees to perform that portion of the work given to the Bidder, if successful, at the unit prices quoted.

30. **OSHA.** The Bidder certifies that all equipment and materials contained in this Bid shall meet all O.S.H.A. requirements. Bidder further certifies that, if it is the successful Bidder and the equipment and/or materials delivered are subsequently found to be deficient in any O.S.H.A. requirements in effect on the date of delivery, all costs necessary to bring the equipment and/or materials into compliance with the aforementioned requirements shall be borne by the Bidder.

31. **Examination of Contract Documents and Site Conditions.** It is the responsibility of each Bidder before submitting a Bid, to: (1) Examine and carefully study the Bidding Documents thoroughly and request and carefully study any other required data; (2) Visit the site to become familiar with and satisfy Bidder as to the general, local and site conditions that may affect costs, progress, performance or furnishing of the work; (3) Become familiar with and satisfy Bidder as to all federal, state, and local laws, rules, regulations, codes, ordinances, directives and guidelines that may affect cost, progress, performance or furnishing of the work; (4) Request or otherwise obtain and carefully study any reports, test and drawings related to surface, subsurface and physical conditions and hazardous environmental conditions; (5) Consider the information known to Bidder; information commonly known to contractors doing business in the locality of the site; information and observations obtained from visits to the site; the Bidding Documents; and any site-related reports and drawings, with respect to the effect of such information, observations, and documents on the cost, progress, and performance of the work; the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; (6) Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the work at the price bid and in accordance with the other terms and conditions of the Bidding Documents; (7) Become aware of the general nature of the work to be performed by the Town and others, if any, at the site that relates to the work; (8) Promptly give the Town or Engineer or Contract Administrator written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by the Town is acceptable to the Bidder; and (9) Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the work.

The submission of a Bid will constitute the incontrovertible representation by Bidder that Bidder has complied with every requirement of this paragraph.

32. **Interests.** Pursuant to Section 287.05701, Florida Statutes, the Town may not request documentation of or consider a contractor's social, political, or ideological interests when determining if the contractor is a responsible contractor. Further, the Town may not give preference to a contractor based on the contractor's social, political, or ideological interests.

#### **END OF SECTION 4 - INSTRUCTIONS TO BIDDERS**

(B1)

## BID PACKAGE COVER SHEET

**IFB #2025-01** Project Title: Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Including Those Over \$300,000)

Bidder Company Name: .....

Enclose the following documents:

- \_\_\_\_\_ 1. Bid Package Cover Sheet (B1)
- \_\_\_\_\_ 2. Bidder's Minimum Qualifications (B2)
- \_\_\_\_\_ 3. Bid (B3)
- \_\_\_\_\_ 4. Schedule of Values (B4)
- \_\_\_\_\_ 5. Lump Sum Prices for Specific Projects.
- \_\_\_\_\_ 6. Schedule of Sub-contractors (B5) - If none, mark "none".
- \_\_\_\_\_ 7. Contractor Verification (B6) - Check the license and insurance requirements to ensure that you will comply and attach copies of current licenses.
- \_\_\_\_\_ 8. Reference List (B7)
- \_\_\_\_\_ 9. Affidavit of Prime Bidder re Non-collusion (B8)
- \_\_\_\_\_ 10. Drug Free Certification (B9)
- \_\_\_\_\_ 11. Trench Safety Compliance Form (B10)
- \_\_\_\_\_ 12. Contractor's Material Suppliers (B11)
- \_\_\_\_\_ 13. Contractor's Existing and Projected Workload (B12)
- \_\_\_\_\_ 14. Scrutinized Companies Certification Form (B13)
- \_\_\_\_\_ 15. Conflict of Interest Statement (B14)
- \_\_\_\_\_ 16. State of Florida E-Verify Form (B15)
- \_\_\_\_\_ 17. Bidder's (and subcontractors', if applicable) FDOT Qualification Letters for Work

Clearly mark the outside lower left corner of the Envelope with the Invitation for Bid number and title, and the Date and Time for the bid closing deadline.

THIS PAGE AND THE FOLLOWING PAGES ARE TO BE RETURNED WITH YOUR BID.

**Submit ONE (1) ORIGINAL, TWO (2) PHOTOCOPIES AND ONE (1) ELECTRONIC (CD) copy of your Bid package.**

**AVOID BID REJECTION:**

**All bids must be submitted on the provided Bid forms with each form completed and signed where requested. Signatures must be in ink and by a person authorized to bind the Bidder.**

IFB #2025-01

**BIDDER'S MINIMUM QUALIFICATIONS**

Each Bidder must provide two (2) similar projects within the last thirty six (36) months to satisfy the minimum qualifications requirements. The reference person must be someone who has personal knowledge of the Bidder's and its subcontractor's (if any) performance. The reference person must have been informed that they are being used as a reference so that the Town may check references.

**\*\*Please also attach to this form a copy of the required license(s) to establish your minimum qualifications.**

Bidder's Name: \_\_\_\_\_

**PROJECT**            **(FIRST PROJECT)**

Name of Project: \_\_\_\_\_

Project Location: \_\_\_\_\_

Description of Project: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Describe the project construction elements (type of project, number of employees used on project, time frame for completion, etc.) completed by the Contractor, Sub-Contractors, and/or Suppliers:*

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of any Change Orders: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bidder's Name: \_\_\_\_\_

Contract Amount: \_\_\_\_\_

Project Start Date: \_\_\_\_\_

Project End Date: \_\_\_\_\_

Owner/Contact Name & Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**Note:** Use an additional sheet with the same format to list other projects as proof of prior experience.

**PROJECT            (SECOND PROJECT)**

Name of Project: \_\_\_\_\_

Project Location: \_\_\_\_\_

Description of Project: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

***Describe the project construction elements (type of project, number of employees used on project, time frame for completion, etc.) completed by the Contractor, Sub-Contractors, and/or Suppliers:***

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Description of any Change Orders: \_\_\_\_\_

\_\_\_\_\_

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Bidder's Name: \_\_\_\_\_

Contract Amount: \_\_\_\_\_

Project Start Date: \_\_\_\_\_

Project End Date: \_\_\_\_\_

Owner/Contact Name: Title: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**Note:** Use an additional sheet with the same format to list other project as proof of prior experience in the last 36 months (with no more than five (5) projects submitted).



**BID**

**IFB #2025-01**

**Proposal of:** \_\_\_\_\_  
*(Bidder Name)*

Bidder agrees to furnish, unless otherwise provided, all implements, machinery, equipment, transportation, tools, materials, supplies, labor and other things necessary for the performance and completion of the work for the unit prices set forth below.

The undersigned Bidder hereby declares that:

1. This bid is made in good faith, without collusion or fraud and is fair and competitive in all respects.
2. The Bidder has carefully and to his/her full satisfaction examined the attached Scopes of Work, terms and conditions, technical specifications, sample contract, form of bonds (as applicable), sample work order, together with the accompanying plans, if any, and Bidder has read all issued addenda.
3. Bidder has made a full examination of the site and is familiar with the site conditions that may impact its performance.
4. Upon receipt of a Notice of Intent to Award the contract the Bidder shall: 1) commence obtaining a the required bonds and certificate(s) of insurance and 2) commence obtaining a Certificate of Registration or Business License for engaging in business from the Town, as such documents are required to commence the work.
5. Bidder understands that the contract time starts on the date of Notice to Proceed and/or a Town approved work order, as directed by the Town.
6. Bidder furthermore agrees that, in case of failure on his/her part to execute a Contract and provide all required documents within ten (10) calendar days of receipt of the Contract for execution, the offer to contract may be withdrawn and the check, bond, or other security accompanying his bid and the money payable thereon, shall become the property of the Town, by forfeit as agreed liquidated damages.
7. The Bidder states that this bid is the only bid for this project in which Bidder is interested; and Bidder shall not be a sub-contractor or sub-subcontractor on this project.
8. Liquidated damages for delay are agreed to be \$500.00 per calendar day.
9. Bidder shall be responsible for all permitting fees and utility service connection fees unless otherwise specifically provided in this IFB or the resulting contract.
10. All debris is to be legally disposed of at a licensed disposal site in accordance with town, county, state, and federal standards. Each site shall be kept free from accumulations of waste materials, rubbish, and other debris.
11. Successful bidder shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work.
12. This bid is for a non-exclusive contract and the Town intends on awarding one or more contracts hereunder.
13. The following officer, director or agent of the Bidder is also an employee of the Town.

<i>Name</i>	<i>Address</i>
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14. The following employee(s) of the Town, either directly or indirectly, owns an interest of 10% or more of Bidder or its affiliates or subsidiaries:

*Name*                      *Address*

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15. Bidder and all affiliates, suppliers, subcontractor or consultants who will perform the Work have not been placed on the Public Entity Crimes convicted vendor list maintained by the State of Florida within the 36 months immediately preceding the date of this Bid.

16. Bidder acknowledges that ADDENDA NO(S). \_\_\_\_\_ have been RECEIVED and are ATTACHED HERETO and are signed by a duly authorized officer of Bidder.

17. By signing and submitting this Bid, Bidder represents that all Bid Forms are fully complete and accurate.

18. Bidder acknowledges that the Bid may be rejected if all Bid Forms are not fully complete, not accurate or if forms are not signed by properly authorized signatures where required.

Name of Firm: \_\_\_\_\_

HQ Address: \_\_\_\_\_ ST \_\_\_\_\_ Zip \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Email: \_\_\_\_\_

FEIN: \_\_\_\_\_ State of Incorporated: \_\_\_\_\_

Print Name: \_\_\_\_\_ Title: \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_ Date: \_\_\_\_\_

Sales Office: \_\_\_\_\_ ST \_\_\_\_\_ Zip \_\_\_\_\_

Sales Contact Name: \_\_\_\_\_ Title: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ Email: \_\_\_\_\_

**Failure to fully complete and sign this Bid Form may result in rejection of the Bid.**

(B4)

IFB #2025-01

**SCHEDULE OF VALUES**

In order to evaluate the total bid amount, each Bidder must identify the unit prices for the work set forth in the Scope of Work. In the event additional work is added to this contract by Change Order, the following unit prices will be utilized (as applicable).

Attachment				
Schedule of Values				
Item	Description of Bid Item	Unit	Standard Price	Emergency Price
<b>General Conditions</b>				
GC-1	Emergency Mobilization/Demobilization Costs for Utility Right-of-Way work	LS	--	
GC-2	NON-Emergency Mobilization/Demobilization Costs for Utility Right-of-Way work	LS		--
GC-3	M.O.T for Work Blocking Lane	EA		
GC-4	M.O.T. for Work Requiring Road Closure	EA		
GC-5	Density Tests (actual cost reimbursement by Town)	--	--	--
GC-6	Concrete 12" x 6" Cylinder Test (actual cost reimbursement by Town)	--	--	--
GC-7	Installation, Maintenance, and Removal of Temporary Road Entrance	EA		
<b>Furnish and install 18" (16 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-01	0' - 6' foot Deep	LF		
STM-02	6' - 8' foot Deep	LF		
<b>Furnish and install 24" (16 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-03	0' - 6' foot Deep	LF		
STM-04	6' - 8' foot Deep	LF		
<b>Furnish and install 36" (14 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-05	0' - 6' foot Deep	LF		
STM-06	6' - 8' foot Deep	LF		
STM-07	8' - 10' foot Deep	LF		
<b>Furnish and install 48" (12 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-08	0' - 6' foot Deep	LF		
STM-09	6' - 8' foot Deep	LF		
STM-10	8' - 10' foot Deep	LF		
STM-11	10' - 12' foot Deep	LF		
<b>Furnish and install 60" (10 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-11	0' - 6' foot Deep	LF		
STM-12	6' - 8' foot Deep	LF		
STM-13	8' - 10' foot Deep	LF		
STM-14	10' - 15' foot Deep	LF		
<b>Furnish and install 72" (10 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-15	0' - 6' foot Deep	LF		
STM-16	6' - 8' foot Deep	LF		
STM-17	8' - 10' foot Deep	LF		
STM-18	10' - 15' foot Deep	LF		
<b>Furnish and install 96" (8 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				

STM-19	0' - 6' foot Deep	LF		
STM-20	6' - 8' foot Deep	LF		
STM-21	8' - 10' foot Deep	LF		
STM-22	10' - 15' foot Deep	LF		
<b>Furnish and install 18" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-23	0' - 6' foot Deep	LF		
STM-24	6' - 8' foot Deep	LF		
<b>Furnish and install 24" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-25	0' - 6' foot Deep	LF		
STM-26	6' - 8' foot Deep	LF		
<b>Furnish and install 36" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-27	0' - 6' foot Deep	LF		
STM-28	6' - 8' foot Deep	LF		

<b>Attachment</b>				
<b>Schedule of Values</b>				
Item	Description of Bid Item	Unit	Standard Price	Emergency Price
STM-29	8' - 10' foot Deep	LF		
<b>Furnish and install 48" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-30	0' - 6' foot Deep	LF		
STM-31	6' - 8' foot Deep	LF		
STM-32	8' - 10' foot Deep	LF		
STM-33	10' - 12' foot Deep	LF		
<b>Furnish and install new FDOT approved Standard Precast Concrete 48" "C" Inlet Structure w/Frame and grate in Utility Right of Way at a depth of:</b>				
STM-34	0' - 4' foot Deep	EA		
STM-35	4' - 6' foot Deep	EA		
STM-36	6' - 8' foot Deep	EA		
STM-37	Optional Pollution Control Device	EA		
<b>Restoration</b>				
R-1	Removal and disposal of 6" thick concrete	SF		
R-2	Furnish & Install 4" Concrete without wire	SF		
R-3	Furnish & Install 6" Concrete without wire	SF		
R-4	Furnish & Install Florida Department of Transportation "D" Curb - by hand	LF		
R-5	Furnish & Install Florida Department of Transportation "D" Curb - by machine	LF		
R-6	Furnish & Install Florida Department of Transportation "F" Curb - by hand	LF		
R-7	Furnish & Install Florida Department of Transportation "F" Curb - by machine	LF		
R-8	Furnish & Install Florida Department of Transportation Valley Gutter - by hand	LF		
R-9	Furnish & Install Florida Department of Transportation Valley Gutter - by machine	LF		
R-10	Furnish & Install Bahia Sod - up to 1,000 SF	SF		
R-11	Furnish & Install Bahia Sod - over to 1,000 SF	SF		
R-12	Furnish & Install Floratam Sod - up to 1,000 SF	SF		
R-13	Furnish & Install Floratam Sod - over to 1,000 SF	SF		
R-14	Furnish & Install Florida Department of Transportation Seed & Mulch Mix	SF		
R-15	Furnish Operator, Water Truck, and Irrigate Sod or Seed Mix	HR		

R-16	Removal and disposal of Existing Asphalt Pavement	SY		
R-17	Mill Existing Pavement (3/4" - 1" average)	SY		
R-18	Furnish and Install Asphalt Overlay, Type SP-12.5 (3/4" - 1" average)	SY		
R-19	Furnish and Install 2-1/2" Type SP-12.5 Asphalt	SY		
R-20	Florida Department of Transportation Section 121 Flowable Fill (Excavatable)	CY		
R-21	Base shell rock Florida Department of Transportation Code 11	SY		
R-22	6" Lime rock/Crushed Concrete Base, primed	SY		
R-23	8" Lime rock/Crushed Concrete Base, primed	SY		
R-22	12" Compacted Subgrade, 98% T-180	SY		
<b>Well Point System and De-Watering</b>				
WP-1	Well Point system up to 150 points complete with pump and jetting equipment and monitoring	DAY		
<b>Imported Backfill &amp; Removal of In-Situ Material</b>				
BF-1	Removal & Disposal of unsuitable in-situ material/soil	CY		
BF-2	Imported Backfill & compaction	CY		

### **LUMP SUM PRICES FOR SPECIFIC PROJECTS**

The scope of work and design plans for four specific projects are attached as Exhibit A. These projects will be awarded on a lump sum basis. Pricing should be based on the schedule of values. These projects may be awarded to one contractor as a whole or individually to separate contractors based on the best interests of the Town, including consideration of the scheduling and availability of contractor(s) to complete the work in a timely manner. These four projects are anticipated to be completed within 150 days of the award of the bid in total and within 30 days of the issuance of a work order for any individual project.

<b><u>Project</u></b>	<b><u>Lump Sum Amount</u></b>
F Road and Collecting Canal Road Culvert Bridge*	\$
Kerry Lane Culvert Bridge	\$
Folsom and 25 <sup>th</sup> Culvert Bridge	\$
Bunny Lane Culvert Bridge	\$
Total of above projects	\$

\*This project is estimated to cost at least \$300,000. The remainder of the projects are estimated to cost less than \$300,000.

**[REMAINDER OF PAGE LEFT INTENTIONLLY BLANK]**

IFB #2025-01

**SCHEDULE OF SUBCONTRACTORS**

The following is a complete list of all sub-contractors utilized for this project:

Dollar amount of subcontract work

1.			\$	
	(company name)	(type of work)		
	(address)	(tel. #)		
	(zip code)	(federal I.D. #)		
2.			\$	
	(company name)	(type of work)		
	(address)	(tel. #)		
	(zip code)	(federal I.D. #)		
3.			\$	
	(company name)	(type of work)		
	(address)	(tel. #)		
	(zip code)	(federal I.D. #)		

**Total dollar amount to be awarded to sub-contractors (this page)      \$ \_\_\_\_\_**

\*\* The Bidder shall submit for the Town's review and approval, as part of his/her bid submission, a sample copy of its company's daily reporting format for reporting the progress of construction. This format shall include but not be limited to the detailing of all labor, equipment and materials used in the construction of the project along with the areas worked, type of work performed, problems encountered and daily weather conditions at the work areas. Please attach sample of daily reporting format to this page.

Authorized Signature: \_\_\_\_\_

Note: The above schedule of subcontractors will become a part of the Contract documents. Changes made to the above schedule of subcontractors after the contract has been executed must be submitted in writing to the Town for approval prior to that sub-contractor performing any work.

IFB #2025-01

**CONTRACTOR VERIFICATION FORM**

PRIME BIDDER:

Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: (        ) \_\_\_\_\_

Fax: (        ) \_\_\_\_\_

Email: \_\_\_\_\_

CONTRACTOR OF RECORD:

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: (        ) \_\_\_\_\_

Email: \_\_\_\_\_

State License # \_\_\_\_\_ (ATTACH COPY)

County License # \_\_\_\_\_ (ATTACH COPY)

Type of License: \_\_\_\_\_

Unlimited \_\_\_\_\_ (yes/no)

If "NO", Limited to what trade? \_\_\_\_\_

Is the Licensee a full-time employee of Prime Bidder?

\_\_\_\_\_ Yes                      \_\_\_\_\_ No

Will the Licensee be in responsible charge of the work performed and installed under this contract?

\_\_\_\_\_ Yes                      \_\_\_\_\_ No

***Failure to fully or accurately complete this form may be cause for rejection of the bid.***



IFB #2025-01

LIST OF REFERENCES

1. Owner's Name & Address: \_\_\_\_\_

\_\_\_\_\_

Project: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_

2. Owner's Name & Address: \_\_\_\_\_

\_\_\_\_\_

Project: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_

3. Owner's Name & Address: \_\_\_\_\_

\_\_\_\_\_

Project: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_ E-Mail: \_\_\_\_\_

**(B8)**

**IFB #2025-01**  
**AFFIDAVIT OF PRIME BIDDER**  
**Non-collusion and Public Entity Crime**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ }

\_\_\_\_\_, being first duly sworn, disposes and says that:  
(Name)

1. I am the \_\_\_\_\_ of \_\_\_\_\_, the  
(Title) (Name of Company)  
Bidder that has submitted the attached bid;
2. I am fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such Bid;
3. Such Bid is genuine and is not a collusive or sham Bid;
4. Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other bidder, firm or person to submit a collusive or sham bid in connection with the contract for which the attached bid has been submitted or to refrain from bidding in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit, or cost elements of the bid price or the bid price of any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the Town of Loxahatchee Groves (the "Town"), or any person interested in the proposed Contract; and
5. The following Officer, director or agent of Bidder is also an employee of the Town.  
\_\_\_\_\_ (if none, write "None").
6. The following employees of the Town, own, directly or indirectly, an interest of 10% or more in Bidder firm or any of its affiliates or subsidiaries: \_\_\_\_\_ (if none, write "None").
7. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.
8. Neither the Bidder nor any officer, director, partner, shareholder, employee, member or agent, who is active in the management of Bidder, or any affiliate or subsidiary of Bidder has been convicted of a public entity crime or action regarding antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy or material misrepresentation with respect to any bid or contract for goods or services to be provided to any public entity, or has been listed on the state Convicted Vendor List, within thirty-six months prior to the date of Bidder's Bid.

(Signed) \_\_\_\_\_

(Print Name) \_\_\_\_\_

(Title) \_\_\_\_\_

The foregoing Affidavit of Bidder regarding Non-Collusion and Public Entity Crime was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_\_\_, by \_\_\_\_\_, who is \_\_\_\_\_ (title) of \_\_\_\_\_ and who is personally known to me or who has produced \_\_\_\_\_ as identification.

\_\_\_\_\_  
Notary Public

IFB #2025-01

**DRUG FREE WORKPLACE CERTIFICATION**

In accordance with Section 287.087, Florida Statutes, whenever two or more bids (includes proposals) are equal with respect to price, quality, and service which are received by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than 5 days after such conviction.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign this statement on behalf of \_\_\_\_\_,  
I certify that \_\_\_\_\_ complies fully with the above requirements.

\_\_\_\_\_  
Authorized Representative's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name:

\_\_\_\_\_  
Position:

**(B10)**

**IFB #2025-01  
FLORIDA TRENCH SAFETY COMPLIANCE**

*This form is required where Contractor will perform trench excavation which exceeds a depth of 5 feet.*

**If Not Applicable – Check this Box and sign below.**

In accordance with the Florida Trench Safety Act, F.S. 553.63, Bidder acknowledges:

1. The trench safety standards applicable to this bid and contract are either:
  - o Included in the specifications for this bid or
  - o Are identified as: \_\_\_\_\_
2. Bidder will comply with all applicable trench safety standards and any special shoring requirements applicable to the Project.
3. Included in the various items of the Bid and in the Total Bid Price are costs for complying with the Florida Trench Safety Act, which costs are summarized below.

*Note:* Included in the various bid items on Form B-3 are costs for compliance with trench safety standards, including sheeting and shoring. Costs on this Form B-10 shall be consistent with Form B-3. The bid items for trench safety compliance on Form B-3 must equal the total amount for trench safety compliance indicated below.

	Trench Safety Measure (Description)	Cost per Linear Foot	Linear Feet	Extended Cost
A.	_____	_____	_____	_____
B.	_____	_____	_____	_____
C.	_____	_____	_____	_____
	Shoring Safety Measure (Description)	Cost per Square Foot	Square Feet	Extended Cost
D.	_____	_____	_____	_____
E.	_____	_____	_____	_____
F.	_____	_____	_____	_____

**FAILURE TO COMPLETE THE ABOVE MAY RESULT IN THE BID BEING REJECTED.**

Bidder Firm: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Date: \_\_\_\_\_

IFB #2025-01

**CONTRACTOR'S MATERIAL SUPPLIERS**

List all material suppliers that Bidder intends to use on this project. Include additional pages as required.

**Failure to fully and accurately complete this form may result in the disqualification of the Bid.**

Name of Suppliers	Types of Material to be Provided	Total Contract Amount including Sales Tax	Total Sales Tax

IFB #2025-01

**CONTRACTOR'S EXISTING AND PROJECTED WORKLOAD FORM**

List all major construction projects your firm has in process, giving the name of project, owner, engineer, contract amount, percent complete, and scheduled completion date. Include additional pages as required.  
**Failure to fully and accurate complete this form may result in disqualification of the Bid.**

Project Name	Owner	Engineer	Contract Amount	Percent Complete	Scheduled Completion Date

IFB #2025-01

**SCRUTINIZED COMPANIES CERTIFICATION FORM**

By execution below, I, \_\_\_\_\_, on behalf of \_\_\_\_\_ (hereinafter, the "Contractor"), hereby swear or affirm to the following certifications:

The following certifications apply to all procurements:

1. The Contractor has reviewed section 215.4725, Florida Statutes, section 215.473, Florida Statutes and section 287.135, Florida Statutes, and understands the same.
2. The Contractor and its subcontractors are not on the Scrutinized Companies that Boycott Israel List nor is the Contractor or its subcontractors engaged in a boycott of Israel.
3. The Contractor and its subcontractors are not on the Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, Scrutinized Companies with Activities in the Iran Terrorism Sectors List, or engaged in business operations in Cuba or Syria as identified in Section 287.135, Florida Statutes, as amended from time to time.
4. If awarded a contract, the Contractor and its subcontractors agree to require these certifications for applicable subcontracts entered into for the performance of work/services under this procurement.
5. The Contractor agrees that if it or any of its subcontractors' status changes in regards to any certification herein, the Contractor shall immediately notify the Town of the same.
6. If awarded a contract, the Contractor agrees that the certifications in this section shall be effective and relied upon by the Town for the entire term of any resulting contract, including any and all renewals.
7. Pursuant to section 287.135, Florida Statutes, the Town may immediately terminate any resulting contract at its sole option if the Contractor or any of its subcontractors are found to have submitted a false certification; or if the Contractor or any of its subcontractors, are in violation of these provisions or the statute during the term of any resulting contract including any renewals.

**CONTRACTOR:**

By: \_\_\_\_\_

Date: \_\_\_\_\_

STATE OF FLORIDA  
COUNTY OF \_\_\_\_\_

The foregoing instrument was sworn to (or affirmed) and subscribed before this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_\_\_, by \_\_\_\_\_, who is the \_\_\_\_\_ of \_\_\_\_\_, who is personally known to me or who has produced \_\_\_\_\_ as identification.

NOTARY PUBLIC  
Printed Name of Notary \_\_\_\_\_  
My Commission expires: \_\_\_\_\_

**IFB #2025-01**

**CONFLICT OF INTEREST STATEMENT**

This Invitation for Bid (IFB) is subject to the conflict-of-interest provisions of the policies and Code of Ordinances of the Town of Loxahatchee Groves, the Palm Beach County Code of Ethics, and the Florida Statutes. The Firm shall disclose to the Town any possible conflicts of interests. The Firm’s duty to disclose is of a continuing nature and any conflict of interest shall be immediately brought to the attention of the Town.

CHECK ALL THAT APPLY.

To the best of our knowledge, the undersigned business has no potential conflict of interest for this IFB due to any other clients, contracts, or property interests.

To the best of our knowledge, the undersigned business has no potential conflict of interest for this IFB as set forth in Town of Loxahatchee Groves Code of Ethics for Public Officers, as amended from time to time.

To the best of our knowledge, the undersigned business has no potential conflict of interest for this IFB as set forth in the Palm Beach County Code of Ethics, as amended from time to time.

To the best of our knowledge, the undersigned business has no potential conflict of interest for this IFB as set forth in Chapter 112, Part III, Florida Statutes, as amended from time to time.

IF ANY OF THE ABOVE STATEMENTS WERE NOT CHECKED, the undersigned business, by attachment to this form, shall submit information which may be a potential conflict of interest due to any of the above listed reasons or otherwise.

THE UNDERSIGNED UNDERSTANDS AND AGREES THAT THE FAILURE TO CHECK THE APPROPRIATE BLOCKS ABOVE OR TO ATTACH THE DOCUMENTATION OF ANY POSSIBLE CONFLICTS OF INTEREST MAY RESULT IN DISQUALIFICATION OF YOUR BID OR IN THE IMMEDIATE CANCELLATION OF YOUR CONTRACT, IF ONE IS ENTERED INTO.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_



**IFB #2025-01**

**STATE OF FLORIDA E-VERIFY FORM**

Contract No:  
Financial Project No(s):  
Project Description:

Contractor acknowledges and agrees to the following:

Contractor:

1. 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 Contractor during the term of the contract (including all renewals); and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the 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.

Authorized Signature: \_\_\_\_\_

Company/Firm: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**EXHIBIT A**

**SCOPE OF WORK**

**(Detailed Scope of Work for General Culvert Services -Construction, Replacement, Maintenance and Repairs and Scopes of Work for Individual Projects ( Including those over \$300,000))**



155 F Road Loxahatchee Groves, FL 33470

## **Project Scope: Bunny Lane at D Road Culvert Replacements**

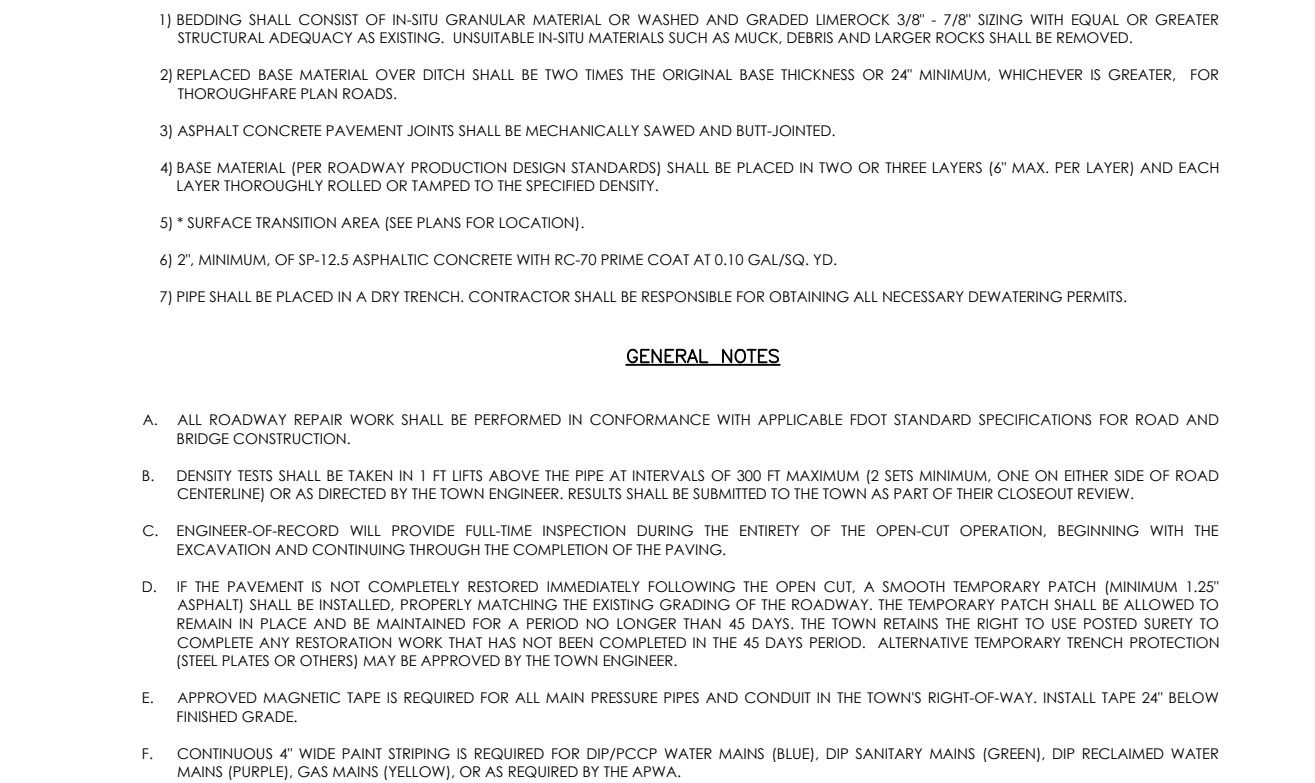
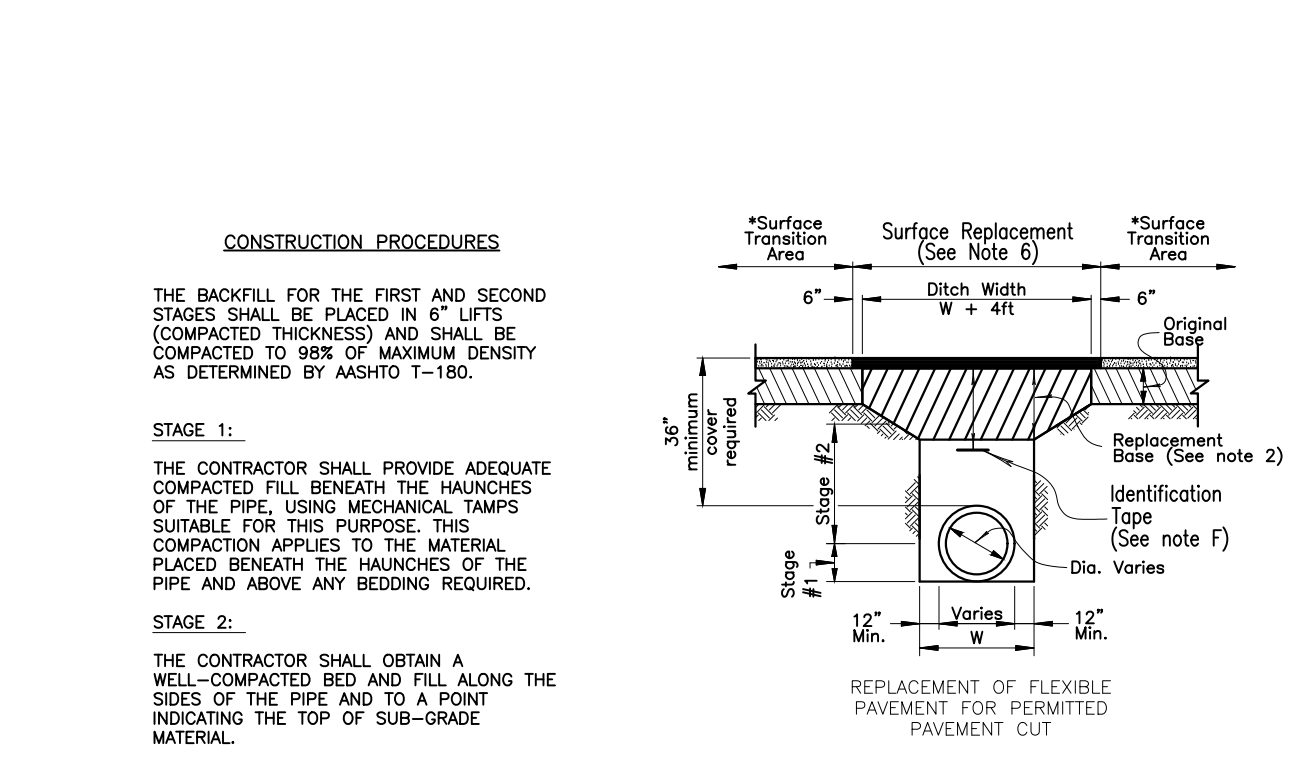
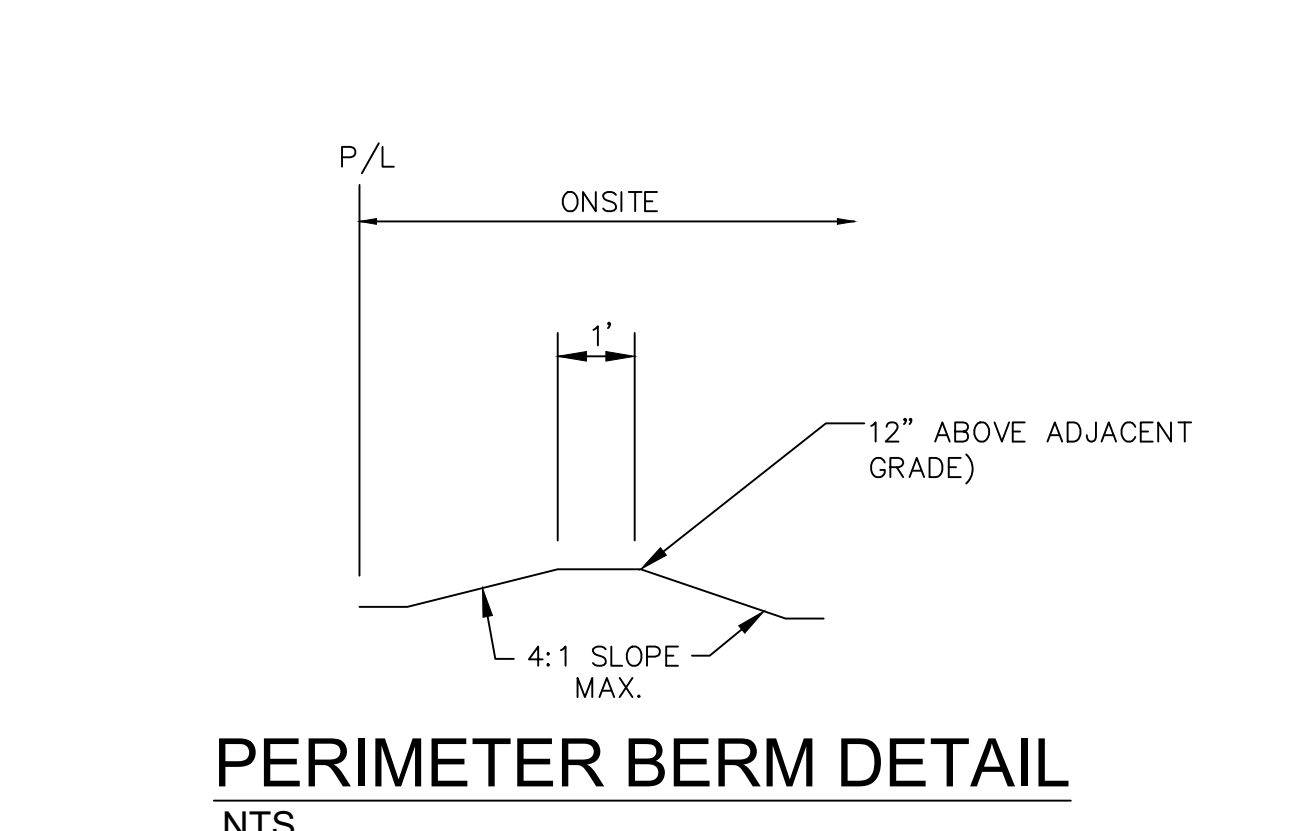
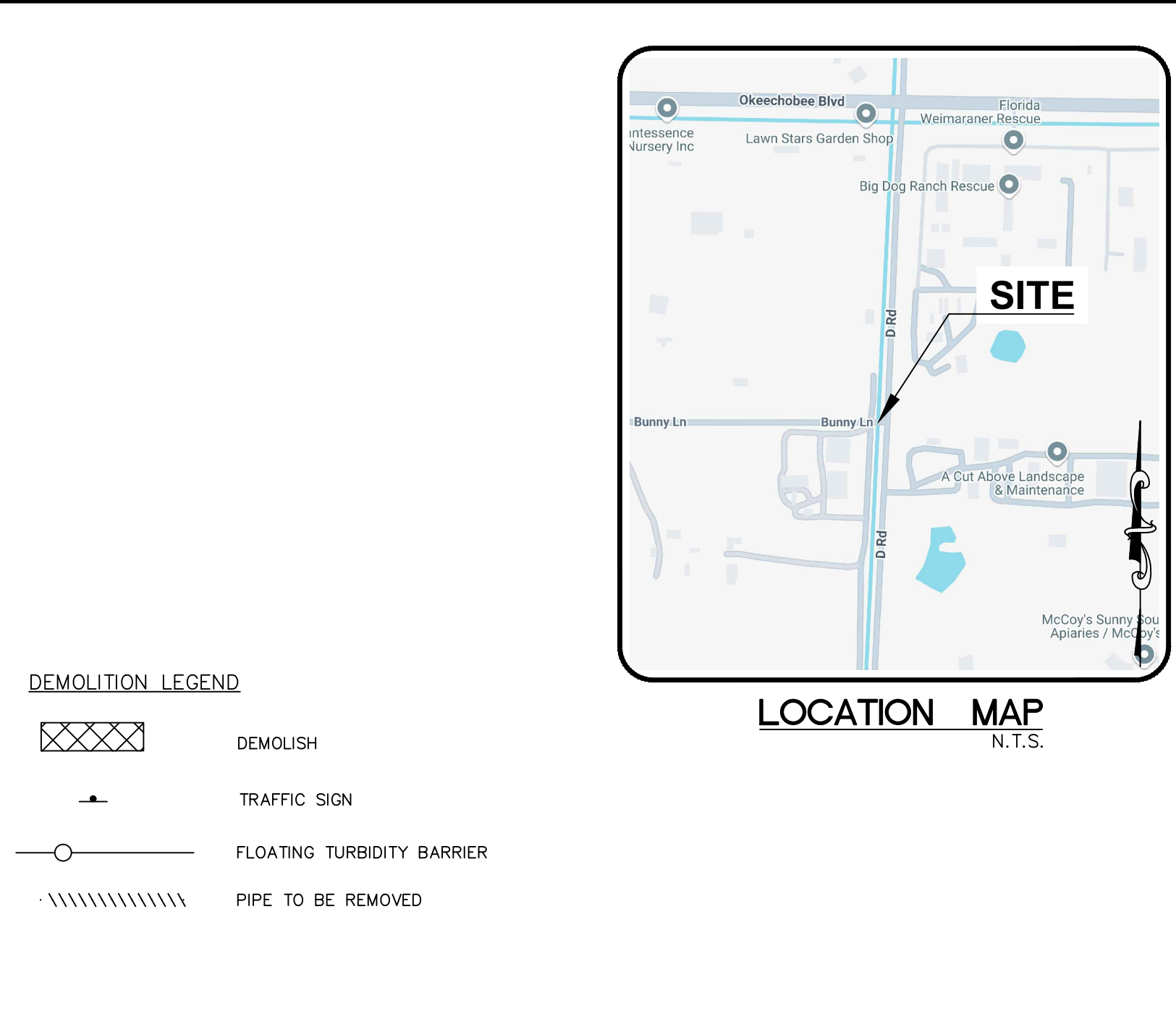
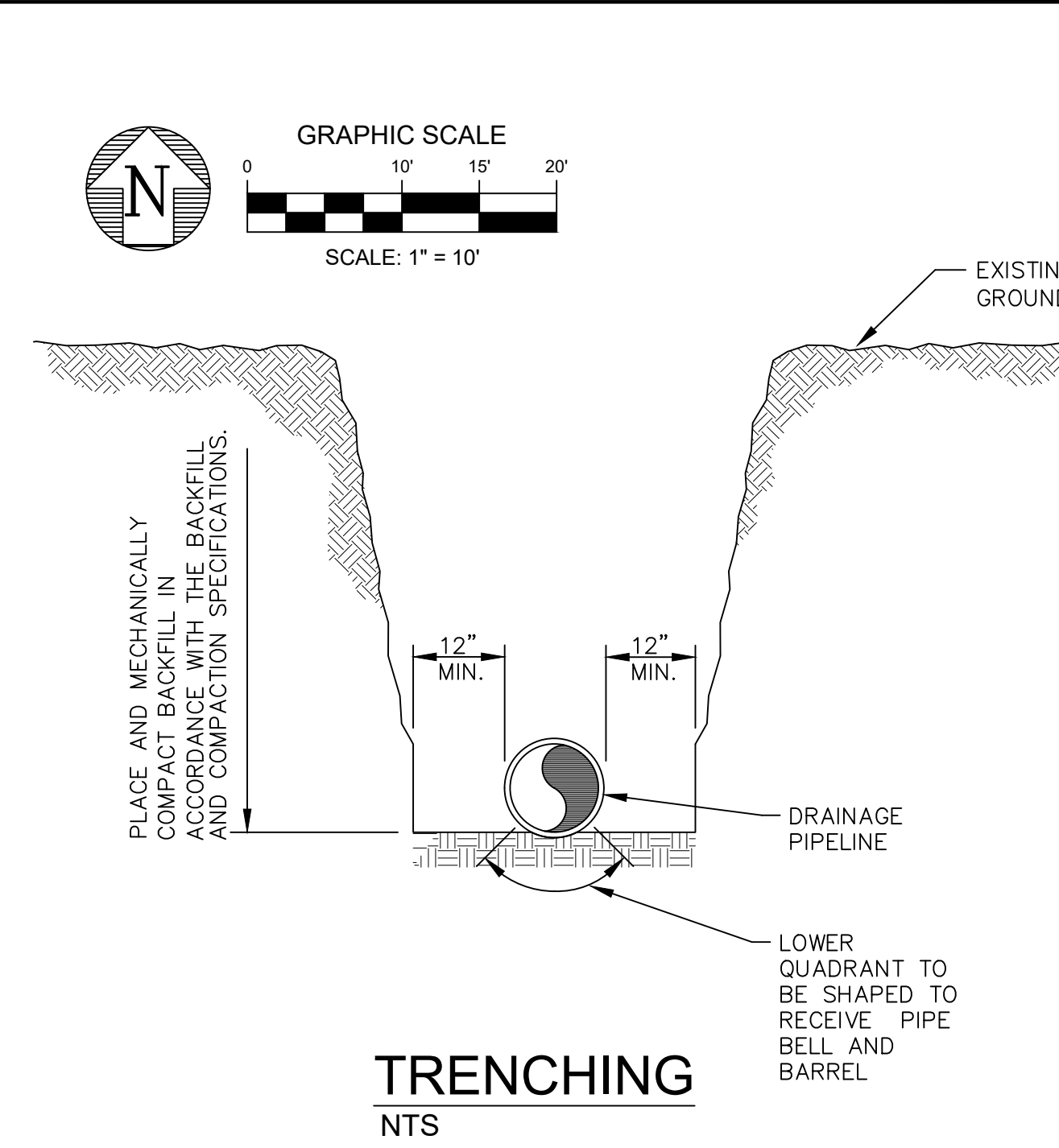
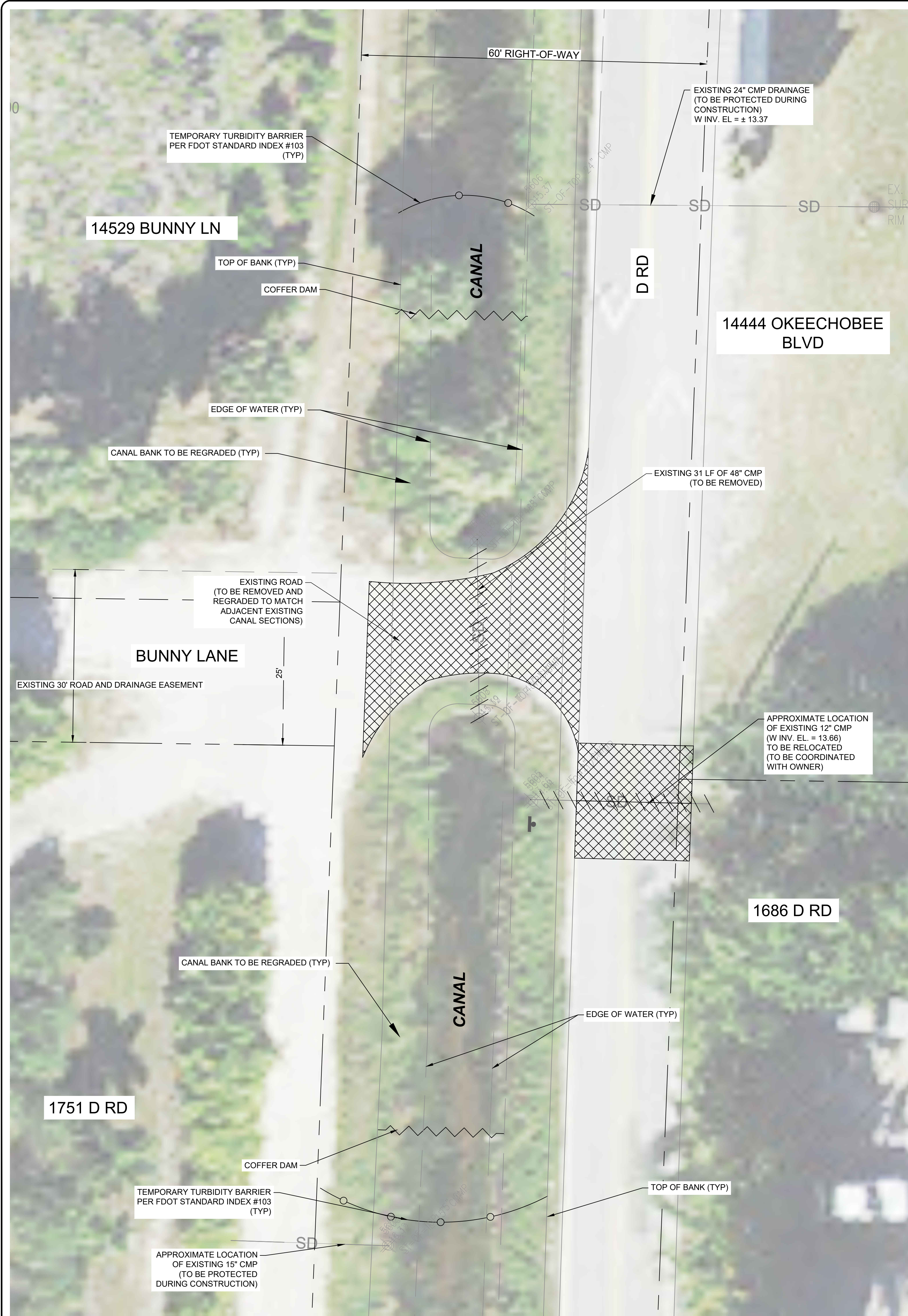
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The objective of the project is to replace the culverts at Bunny Ln at D Road.

Work to be performed:

1. Removal of existing crossing and 31 LF of 48" CMP. Demolition includes install of 2 culvert dams and 2 turbidity barriers.
2. Removal and relocation of approximately 30 LF of 12" CMP. Includes asphalt pavement restoration of D Rd, quantity to be determined based on relocation. The Town of Loxahatchee Groves will coordinate with the property owner prior to construction.
3. Protection of 2 existing outfall pipes to the north and south of turbidity barriers.
4. Installation of 40 LF of 96" CMP culvert.
5. Canal bank to be regraded with sand cement rip-rap and rubble rock rip-rap 20' from the end wall and reshaped per detail extending 50' from culvert.
6. New crossing of limerock to be widened and shifted south of current location.
7. Contractor to restore all areas disturbed to original condition or better, including sod and stop and street name signs.

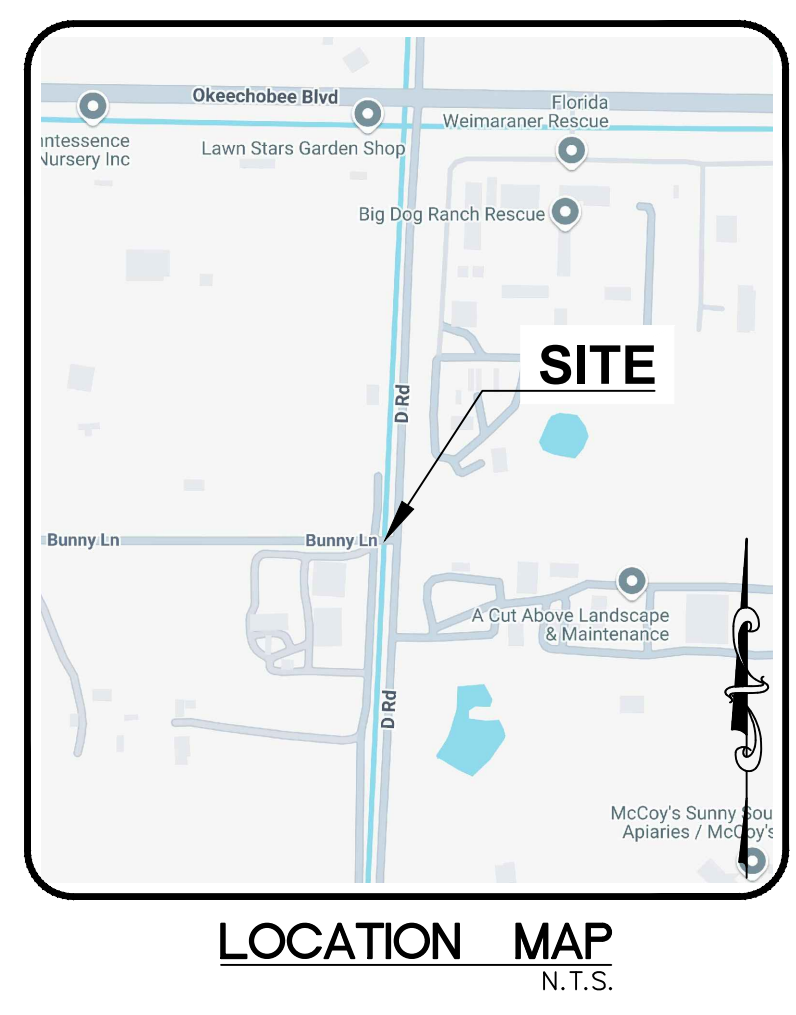
The Contractor shall be responsible for all construction and restoration in accordance with the approved plans and specifications, scheduling all inspections deemed necessary with the Town of Loxahatchee Groves and the EOR for project certification purposes, and maintaining all stormwater pollution prevention measures for the project.



**OPEN CUT PIPE INSTALLATION FOR TOWN ROADS  
(LOXAHATCHEE GROVES RIGHT-OF-WAY)  
NTS**

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

E. TARA L. BAMBER, P.E., PROFESSIONAL ENGINEER LICENSE NO. 69957. THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY E. TARA L. BAMBER, P.E. USING A SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



NO.	DATE	REVISIONS

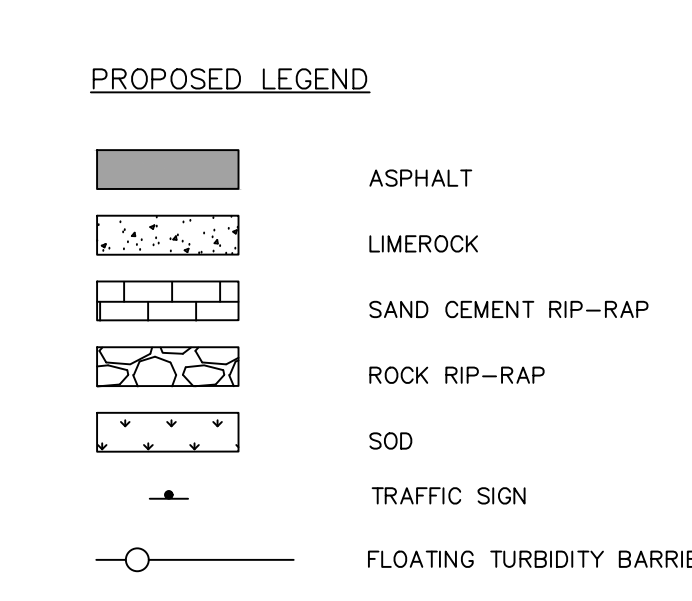
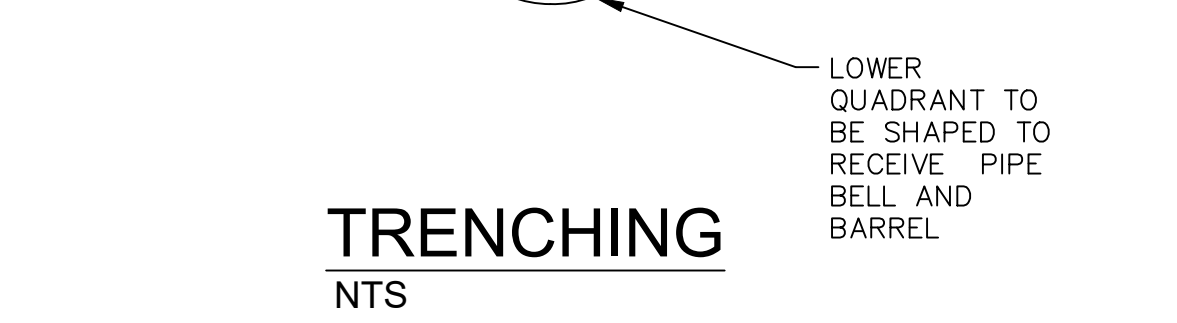
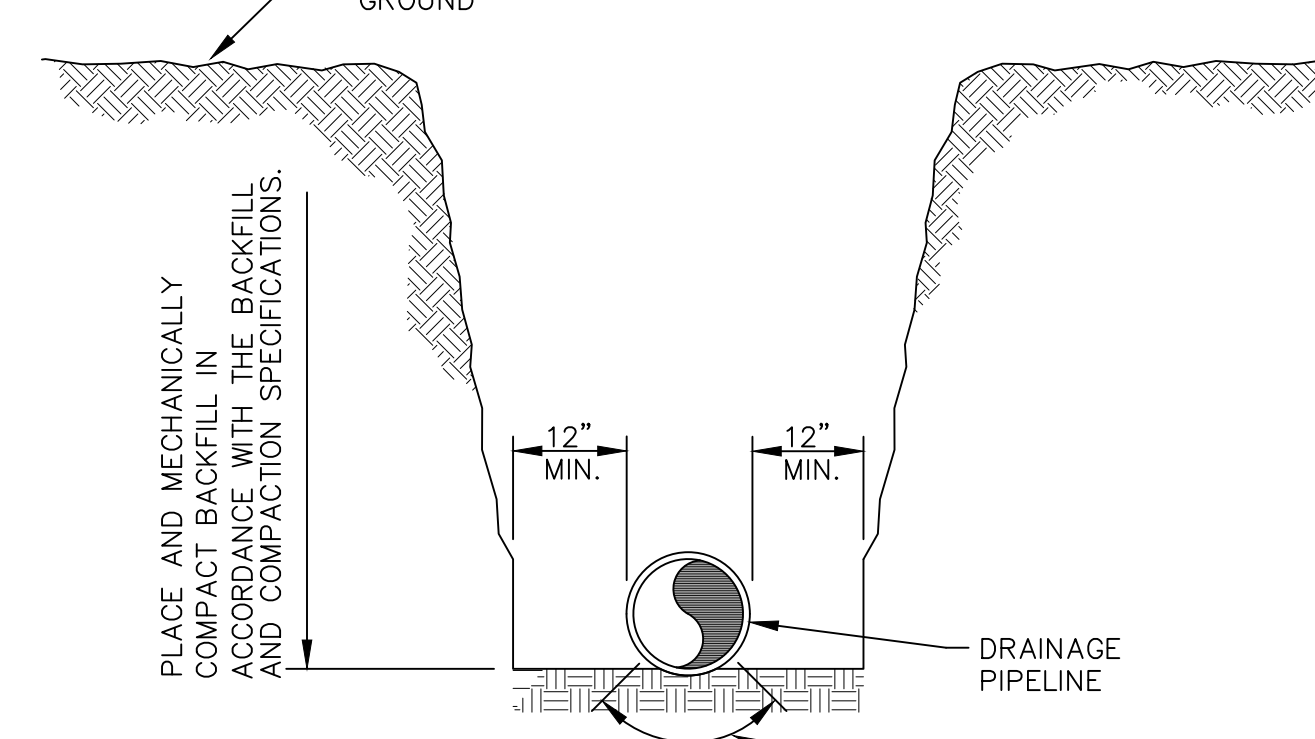
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E. TARA L. BAMBER, P.E. NO. 69957

**CULVERT REPLACEMENT PROJECT  
BUNNY LANE AND D ROAD  
LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL  
DEMOLITION PLAN**

A Higher Standard of Excellence  
**engenuity group inc.**  
1280 N. CONGRESS AVE., SUITE 101  
WEST PALM BEACH, FLORIDA 33409  
PH: (561) 955-1151 • FAX: (561) 952-0390  
WWW.ENGENUITYGROUP.COM CERTIFICATE OF AUTHORIZATION #7095

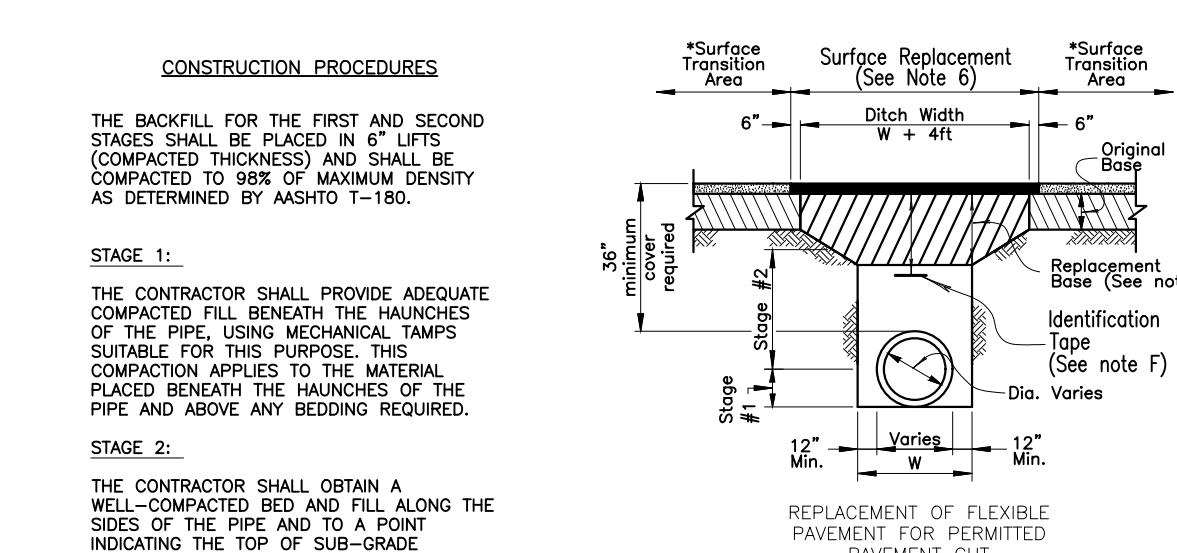
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DRAWN						
PROJECT ENGINEER						
PROJECT MANAGER						
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JOB NO. 22138.120						





- GENERAL NOTES:**
- ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TO CONVERT TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29) ADD 1.48' TO NAVD 88 ELEVATION.
  - FINISHED GRADES SHALL MATCH EXISTING, UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL RESTORE DISRUPTIONS TO SERVICES OR ACCESSIBILITY WITHIN 48 HOURS.
  - TOPOGRAPHIC SURVEY PERFORMED BY ENGENUITY GROUP, INC. ON DECEMBER 11, 2023.
  - ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL LOXAHATCHEE GROVES WATER CONTROL DISTRICT, TOWN OF LOXAHATCHEE GROVES, AND FDOT STANDARDS.
  - CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO ORIGINAL CONDITION OR BETTER. ALL RESTORATION WORK SHALL MEET THE REQUIREMENTS OF THE TOWN OF LOXAHATCHEE GROVES.
  - MAINTAIN TRAFFIC THROUGH THE WORK AREA IN ACCORDANCE WITH INDEX 600, 602 AND 603 (AS APPLICABLE) OF THE FDOT STANDARDS. NOT MORE THAN ONE-HALF OF THE ROAD CAN BE CLOSED TO TRAFFIC DURING DAYLIGHT HOURS. THE ENTIRE ROAD WIDTH SHALL BE OPEN TO TRAFFIC AT NIGHT. CONTRACTOR SHALL PROVIDE THE TOWN OF LOXAHATCHEE GROVES A MINIMUM OF 1 WEEK NOTICE FOR LANE CLOSURES.

- DRAINAGE:**
- PIPE SHALL BE PROTECTED DURING STORAGE AND HANDLING AGAINST IMPACT SHOCKS AND FREE FALL. PIPE SHALL BE KEPT CLEAN AT ALL TIMES.
  - ALL PIPE SHALL BE CAREFULLY INSTALLED STARTING AT THE LOWEST END, WITH HUBS UPGRADE AND TONGUE END FULLY ENTERED INTO THE HUB.
  - ANY PIPE THAT IS NOT IN TRUE ALIGNMENT OR WHICH SHOWS ANY SETTLEMENT AFTER INSTALLATION SHALL BE TAKEN UP AND RE-INSTALLED AT NO ADDITIONAL COST TO OWNER.
  - PLACE PLUGS IN ENDS OF UNCOMPLETED PIPE AT END OF DAY OR WHENEVER WORK STOPS.
  - RUBBER GASKETS FOR CONCRETE PIPE JOINTS SHALL MEET THE REQUIREMENTS OF THE 2007 EDITION OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 942. THE GASKET AND THE SURFACE OF THE PIPE JOINT, INCLUDING THE GASKET RECESS, SHALL BE CLEAN AND FREE FROM GRIT, DIRT, AND OTHER FOREIGN MATTER AT THE TIME THE JOINTS ARE MADE.
  - PIPE SHALL BE SET FIRMLY, ACCORDING TO THE LINES AND GRADE; AND PREPARATORY TO MAKING JOINTS, ALL SURFACES OF THE PORTION OF THE PIPE TO BE JOINTED SHALL BE THOROUGHLY CLEANED. THE PIPE SHALL BE LAID WITH THE GROOVE UPSTREAM. A SHALLOW EXCAVATION SHALL BE MADE UNDERNEATH THE PIPE AT THE JOINT.
  - IMMEDIATELY PRIOR TO INSTALLATION OF CONCRETE PIPE, THE ENTIRE INTERIOR OF THE GROOVE OF THE PIPE ALREADY INSTALLED, AND THE RUBBER GASKET OF THE PIPE TO BE INSTALLED SHALL BE COATED WITH AN APPROVED VEGETABLE SOAP LUBRICANT. THE GROOVE AND SPIGOT ENDS SHALL BE CLEANED PRIOR TO APPLICATION OF THE LUBRICANT. THE PIPE SHALL THEN BE ALIGNED WITH THE PREVIOUSLY INSTALLED PIPE AND THE JOINT PULLED TOGETHER. THE JOINT SHALL BE PULLED BY THE USE OF INTERIOR OR EXTERIOR PULL JACKS OR WINCHES, ANCHORED BY SUITABLE MEANS. THE CHOICE OF METHOD AND TYPE OF EQUIPMENT WILL DEPEND ON TRENCH CONDITIONS, TYPE AND SIZE OF PIPE, AND ITS ABILITY TO PROPERLY SEAT THE GASKET. IF, WHILE MAKING THE JOINT, THE GASKET BECOMES LOOSE AND CAN BE SEEN THROUGH THE EXTERIOR JOINT RECESS WHEN THE JOINT IS PULLED UP TO WITHIN ONE INCH (1") OF CLOSURE, THE PIPE SHALL BE REMOVED AND THE JOINT REMADE.
  - WHEN SHOWN ON THE DRAWINGS, SEAL THE ENDS OF THE PIPE WITH A MASONRY PLUG A MINIMUM OF 8 INCHES IN THICKNESS.
  - INSTALL FILTER FABRIC JACKET AROUND THE FIRST JOINT OF ALL PIPE ENTERING OR LEAVING A DRAINAGE STRUCTURE AND AT ALL CONCRETE PIPE JOINTS. USE A FILTER FABRIC JACKET CONSISTING OF A PIECE OF WOVEN OR NON-WOVEN FILTER FABRIC WHICH PROVIDES AN APPARENT OPENING SIZE OF A NO. 70 TO NO. 100 SIEVE, 24 INCHES IN WIDTH AND A LENGTH SUFFICIENT TO PROVIDE A MINIMUM OVERLAP OF 24 INCHES. SECURE THE FILTER FABRIC JACKET AGAINST THE OUTSIDE OF THE CONCRETE PIPE BY STEEL OR PLASTIC STRAPPING.
  - CORRUGATED POLYETHYLENE PIPE
    - AASHTO M294, TYPE S SMOOTH WALL INTERIOR. CORRUGATIONS MAY ONLY BE ANNULAR. BELL AND SPIGOT JOINTS WITH A GASKET MEETING ASTM F477. WHEN PERFORATED PIPE IS SPECIFIED ON THE DRAWINGS, THE PERFORATIONS SHALL CONFORM TO THE REQUIREMENTS OF CLASS 1.
  - TRENCHES ARE TO BE DRY WHILE THE PIPE IS BEING LAID.
  - DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND SECURING THE EXISTING DRAINAGE OUTFALLS DURING AND AFTER CONSTRUCTION.



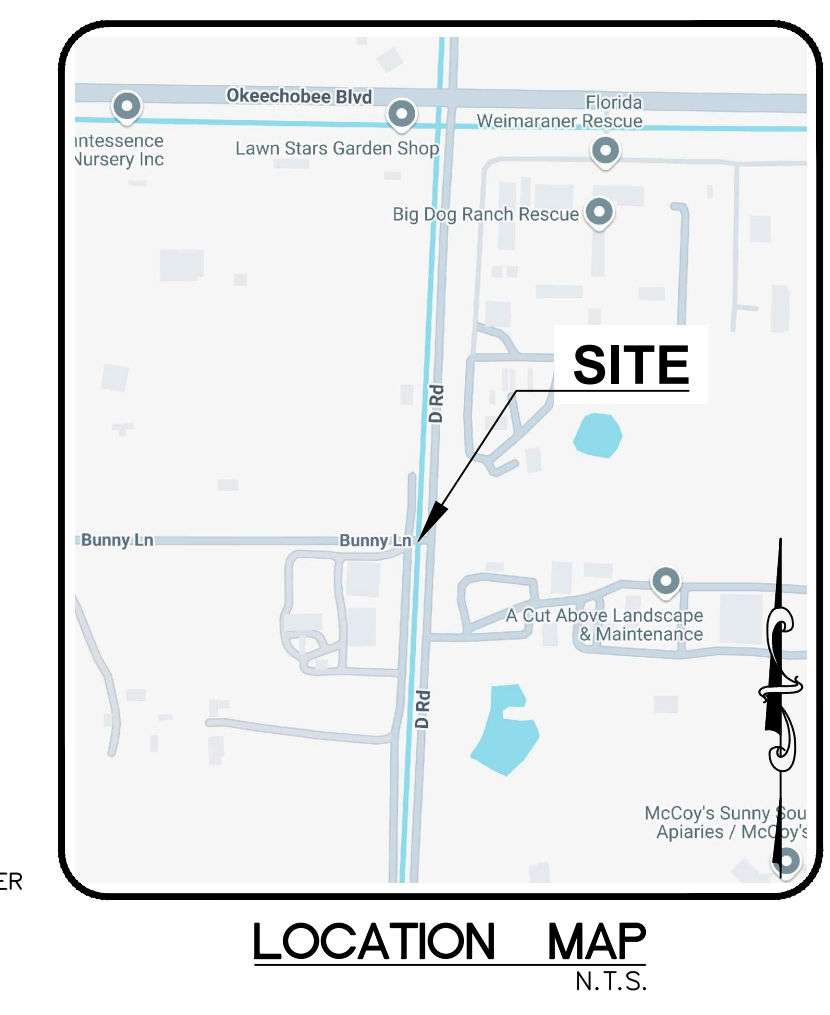
- CONSTRUCTION NOTES**
- 1) BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMESTONE 3/8" - 7/8" SIZING WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
  - 2) REPLACED BASE MATERIAL OVER DITCH SHALL BE TWO TIMES THE ORIGINAL BASE THICKNESS OR 24" MINIMUM, WHICHEVER IS GREATER. FOR THROUGH-THE-PAVEMENT ROADS.
  - 3) ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAISED AND BUILT-UP.
  - 4) BASE MATERIAL PER ROADWAY PRODUCTION DESIGN STANDARDS SHALL BE PLACED IN TWO OR THREE LAYERS (IF MAX. PER LAYER) AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO THE SPECIFIED DENSITY.
  - 5) SURFACE TRANSITION AREA (SEE PLANS FOR LOCATION).
  - 6) 2" MINIMUM OF SP-12.5 ASPHALTIC CONCRETE WITH RC-70 PRIME COAT AT 0.10 GAL/SQ. YD.
  - 7) PIPE SHALL BE PLACED IN A DRY TRENCH. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY Dewatering PERMITS.

- GENERAL NOTES**
- ALL ROADWAY REPAIR WORK SHALL BE PERFORMED IN CONFORMANCE WITH APPLICABLE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - DENSITY TESTS SHALL BE TAKEN IN 1 FT LIFTS ABOVE THE PIPE AT INTERVALS OF 300 FT MAXIMUM (2 SETS MINIMUM, ONE ON EITHER SIDE OF ROAD CENTERLINE) OR AS DIRECTED BY THE TOWN ENGINEER. RESULTS SHALL BE SUBMITTED TO THE TOWN AS PART OF THEIR CLOSEOUT REVIEW.
  - ENGINEER OF RECORD WILL PROVIDE FOLLOW-UP INSPECTION DURING THE ENTIRETY OF THE OPEN CUT OPERATION, BEGINNING WITH THE EXCAVATION AND CONTINUING THROUGH THE COMPLETION OF THE PAVING.
  - IF THE PAVEMENT IS NOT COMPLETELY RESTORED IMMEDIATELY FOLLOWING THE OPEN CUT, A SMOOTH TEMPORARY PATCH (MINIMUM 1.25" ASPHALT) SHALL BE INSTALLED. PROPERLY MATCHING THE EXISTING GRADING OF THE ROADWAY, THE TEMPORARY PATCH SHALL BE ALLOWED TO REMAIN IN PLACE AND BE MAINTAINED FOR A PERIOD NO LONGER THAN 45 DAYS. THE TOWN RESERVE THE RIGHT TO USE POSTED SAFETY TO COMPLETE ANY RESTORATION WORK THAT HAS NOT BEEN COMPLETED IN THE 45 DAY PERIOD. ALTERNATIVE TEMPORARY TRENCH PROTECTION (SEE PLANS OR OTHERS) MAY BE APPROVED BY THE TOWN ENGINEER.
  - APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUIT IN THE TOWN'S RIGHT-OF-WAY. INSTALL TAPE 24" BELOW FINISHED GRADE.
  - CONTRASTIVE 4" WIDE PAINT STRIPING IS REQUIRED FOR DRY/POD WATER MARKS (BLUE), DIP SANITARY MAINS (GREEN), DIP RECLAIMED WATER MAINS (PURPLE), GAS MAINS (YELLOW), OR AS REQUIRED BY THE A.P.W.A.

**OPEN CUT PIPE INSTALLATION FOR TOWN ROADS  
(LOXAHATCHEE GROVES RIGHT-OF-WAY)  
NTS**

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NO.	DATE	REVISIONS	BY

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**CULVERT REPLACEMENT PROJECT  
BUNNY LANE AND D ROAD  
LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL  
ENGINEERING PLAN**



DATE	DRAWN	PROJECT	PROJECT	PROJECT	CHECKED
DECEMBER 5, 2024	KAK	KAK	ETLB	ACS	

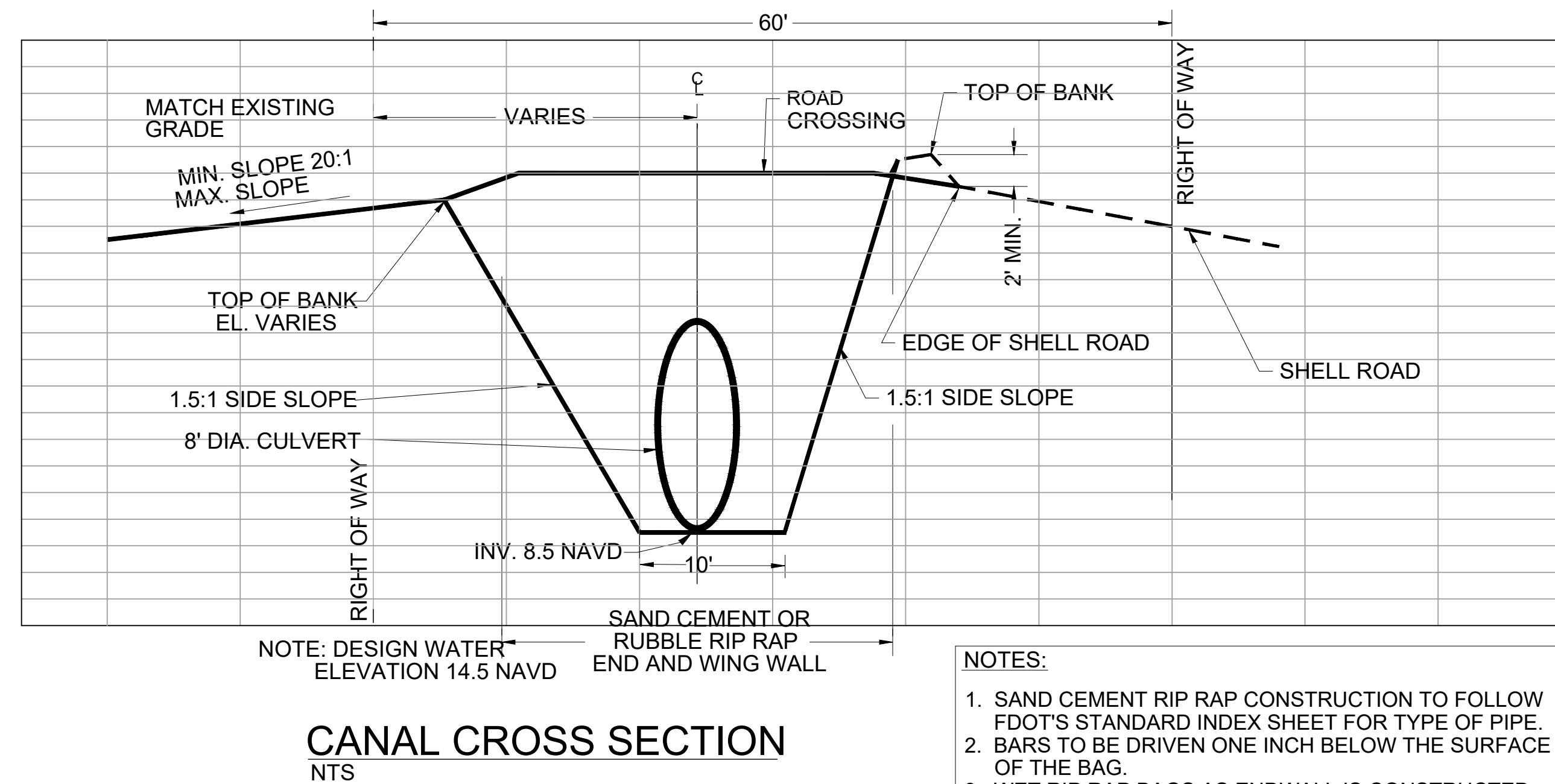
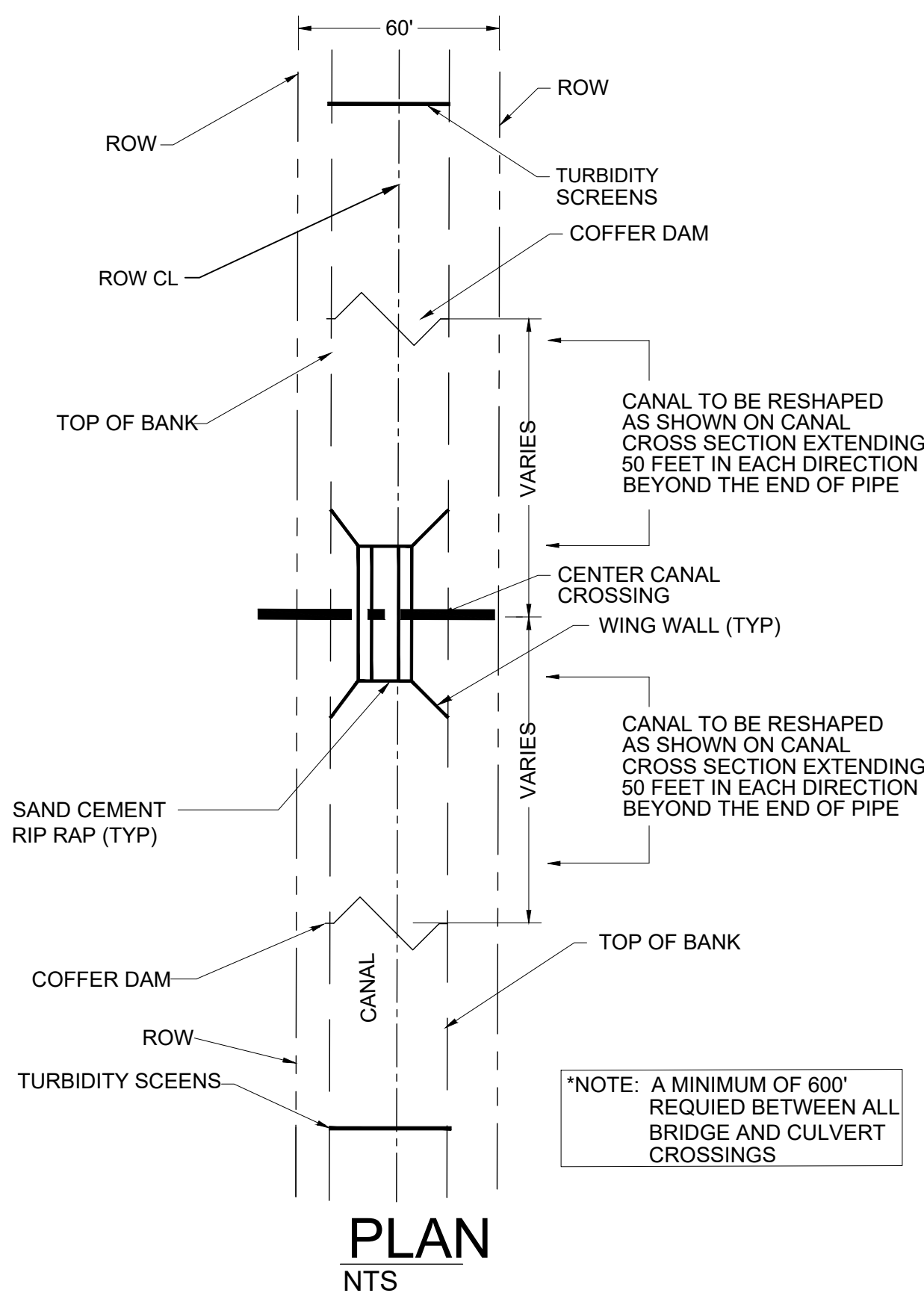
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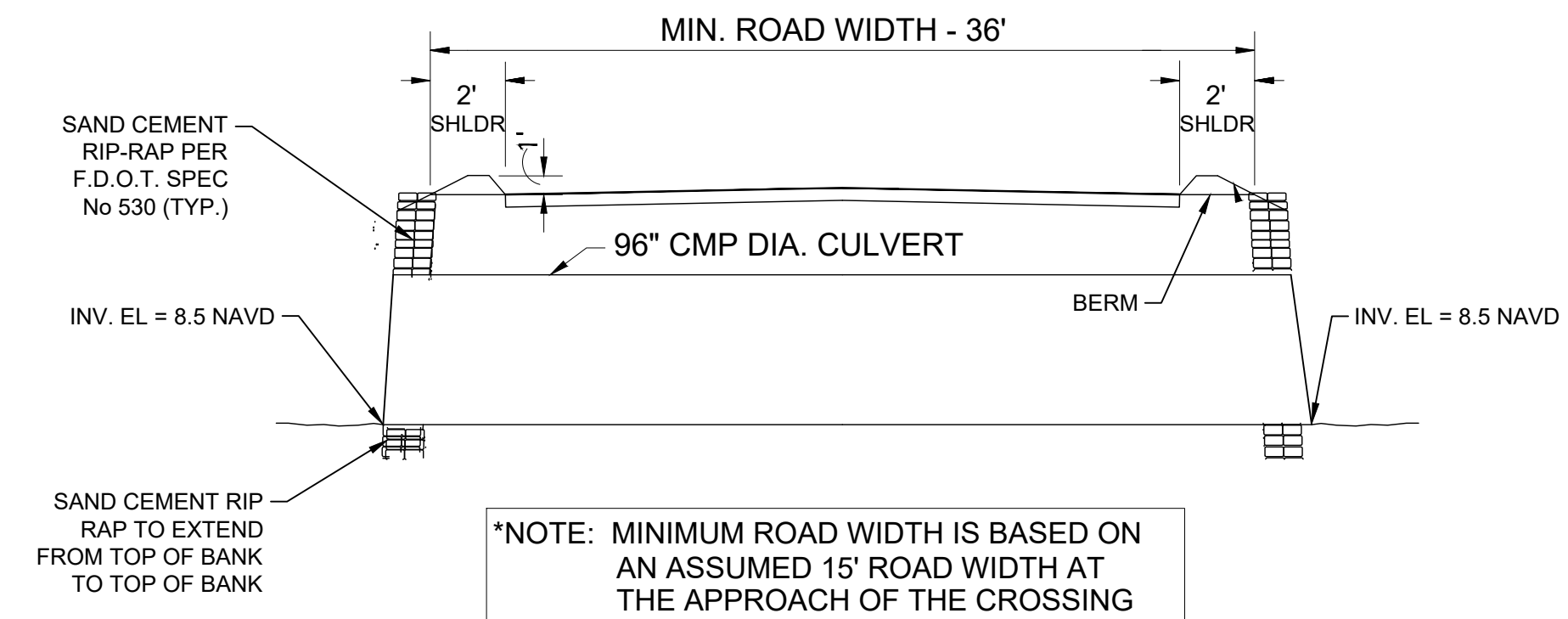
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**GENERAL NOTES:**

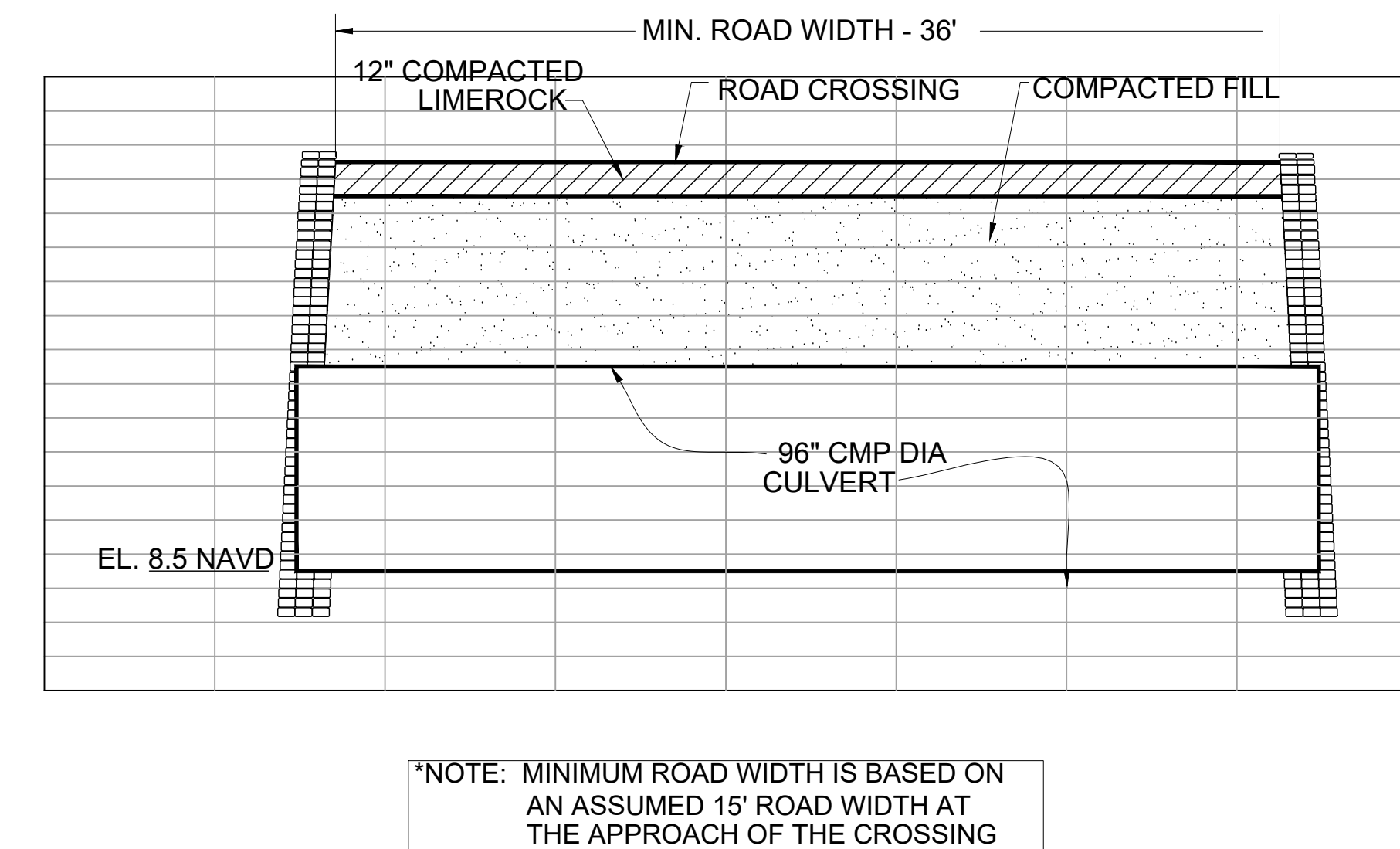
- CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL NECESSARY PRECAUTIONS NECESSARY TO AVOID THE MONUMENTS DURING CONSTRUCTION. IS A MONUMENT IS DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE MONUMENT AT NO ADDITIONAL COST TO THE OWNER OR THE DISTRICT.
- ALL UNSUITABLE MATERIAL SUCH AS MUCK, MARL, AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER. CLEAN GRANULAR FILL MATERIAL SHALL BE USED FOR BACKFILL AND PLACED IN 12 INCH LIFTS OR LESS AS REQUIRED BY COMPACTION. COMPACTION OF BACKFILLS TO BE 95% OF THE MAXIMUM DENSITY PER AASHTO T-180.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE GENERAL PUBLIC. DRAWING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE SIGNS, BARRICADES, AND FLAGMEN AS NECESSARY FOR TRAFFIC SAFETY, DURING CONSTRUCTION.
- ALL CONCRETE SHALL BE A MINIMUM OF 3,000 PSI UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL COMPLY WITH ALL OF THE SAFETY REQUIREMENTS OF THE TRENCH, DRAIN SAFETY ACT, DRAWING INSTALLATION OF THE CULVERT CANAL CROSSING.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PERMIT CONDITIONS AS ISSUED BY THE LOXAHATCHEE GROVES WATER CONTROL DISTRICT AND OTHER GOVERNMENT AGENCIES
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF ANY TEST TO ARRANGE FOR THE WATER CONTROL DISTRICT TO HAVE A REPRESENTATIVE PRESENT, IF REQUIRED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE FOR INSPECTIONS OF THE CONSTRUCTION
- CONTRACTOR TO PROVIDE SILT SCREENS OR OTHER ENVIRONMENTAL MEASURES TO CONTROL TURBIDITY TO STATUTORY/REGULATORY LEVELS IN THE CANAL UP AND DOWNSTREAM DURING CONSTRUCTION
- CONTRACTOR TO PROVIDE D. O. T. APPROVED LIME ROCK FOR ROAD CROSSING.
- CONTRACTOR TO DIG CANAL TO NEW SECTION 450 LF IN EACH DIRECTION FROM END OF CULVERT PIPE
- ALL AREAS DISTURBED DRAWING CONSTRUCTION ALONG CANAL, INCLUDING MAINTENANCE EASEMENT AND CANAL BANKS, TO BE SEATED AND MULCHED PER DOT SPECIFICATIONS.
- CONTRACTOR TO MAINTAIN WATER FLOW BY MEANS OF A BYPASS DRAWING INSTALLATION OF THE CULVERT, UNLESS OTHERWISE DIRECTED BY THE DISTRICT. THIS BYPASS MUST BE APPROVED BY LOXAHATCHEE GROVES WATER CONTROL DISTRICT PRIOR TO BEGINNING CONSTRUCTION.
- ALL CORRUGATED STIFF PIPE COUPLING BANDS SHALL CONFORM TO AASHTO M 36 SPECIFICATION
- ALL CORRUGATED STEEL PIPE SHALL BE BITUMINOUS COATED IN ACCORDANCE WITH THE REQUIREMENTS AASHTO M190, FOR TYPE A (FULLY BITUMINOUS COATED)
- WHERE ALUMINUM PIPE IS USED, IF BITUMINOUS COATED, IT SHALL MEET THE AASHTO SPACE M190 TYPE A, SPECIFICATION FOR BITUMINOUS COATING
- REINFORCED CONCRETE PIPE (RCP) PARENTHESES SHALL CONFORM TO THE FDOT SECTION 941 OF THE LATEST STANDARD SPECIFICATIONS
- MAINTENANCE SIDE OF CANAL TO BE SLOPED AT 20:1 MIN. / 8:1 MAX. AWAY FROM TOP OF BANK.
- ALL GROUND VEGETATION AND TREES WITHIN RIGHT OF WAY AND MAINTENANCE EASEMENT TO BE REMOVED FOR ENTIRE LENGTH OF PROPERTY FRONTAGE
- PERMIT TO HAVE A REGISTERED LAND SURVEYOR PROVIDE CROSS SECTIONS OF CANAL AND ROADWAY FOR PRE- AND POST- CONSTRUCTION AND AS-BUILTS
- PERMIT TO HAVE A REGISTERED ENGINEER DESIGN AND PROVIDE SIGNED AND SEALED DRAWINGS FOR THE CULVERT CROSSING
- PERSONS INSTALLING CULVERTS OR BRIDGES WITHOUT A DISTRICT PERMIT WILL BE SUBJECT TO A DOUBLE PERMIT FEE AND MUST FIELD VERIFY, TO THE DISTRICT ENGINEER'S SATISFACTION THAT THE UNIFORM STANDARDS HAS BEEN MET. WORK NOT MEETING THE DISTRICT'S UNIFORM STANDARDS SHALL BE REMOVED FROM THE RIGHT OF WAY.



- NOTES:**
- SAND CEMENT RIP RAP CONSTRUCTION TO FOLLOW FDOT'S STANDARD INDEX SHEET FOR TYPE OF PIPE.
  - BARS TO BE DRIVEN ONE INCH BELOW THE SURFACE OF THE BAG.
  - WET RIP RAP BAGS AS ENDWALL IS CONSTRUCTED.
  - EXTEND RIP-RAP AROUND RADIUS OF BERM TO PREVENT EROSION.



**SAND CEMENT RIP - RAP CROSS SECTION**  
NTS



**SAND CEMENT RIP - RAP CROSS SECTION**  
NTS

ADOPTED  
FEBRUARY 10, 2003

**CULVERT CROSSINGS  
SOUTH OF  
OKEECHOBEE BOULEVARD**



Know what's below.  
Call before you dig.

E. TARA L. BAMBER, P.E., PROFESSIONAL ENGINEER LICENSE NO. 69957.  
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E. TARA L. BAMBER, P.E.  
NO. 69957

**CULVERT REPLACEMENT PROJECT  
BUNNY LANE AND D ROAD  
LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL**  
DETAILS

A Higher Standard of Excellence  
**engenuity**  
group inc.  
1280 N. CONGRESS AVE. SUITE 101  
WEST PALM BEACH, FLORIDA 33409  
PH (561) 955-1151 • FAX (561) 932-0390  
WWW.ENGENUITYGROUP.COM CERTIFICATE OF AUTHORIZATION #7095

DATE	DRAWN	KAK	PROJECT ENGINEER	KAK	PROJECT MANAGER	ETLB	CHECKED	ACS
DECEMBER 5, 2024								

C-3  
3  
JOB NO.  
22138.120



155 F Road Loxahatchee Groves, FL 33470

## **Project Scope: Collecting Canal Road, 6<sup>th</sup> Court North and F Rd Culvert Replacements**

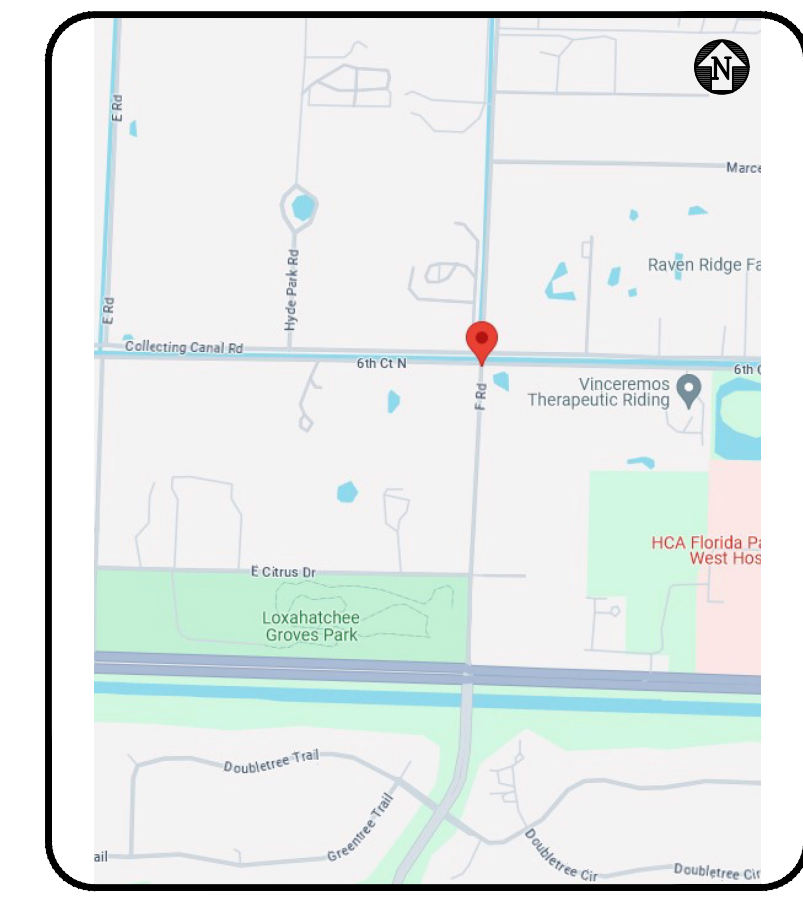
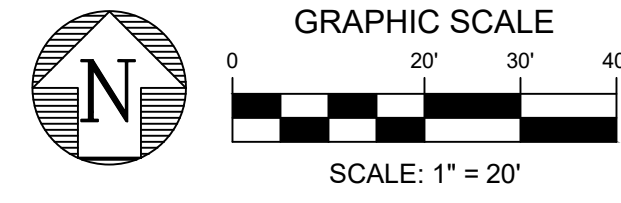
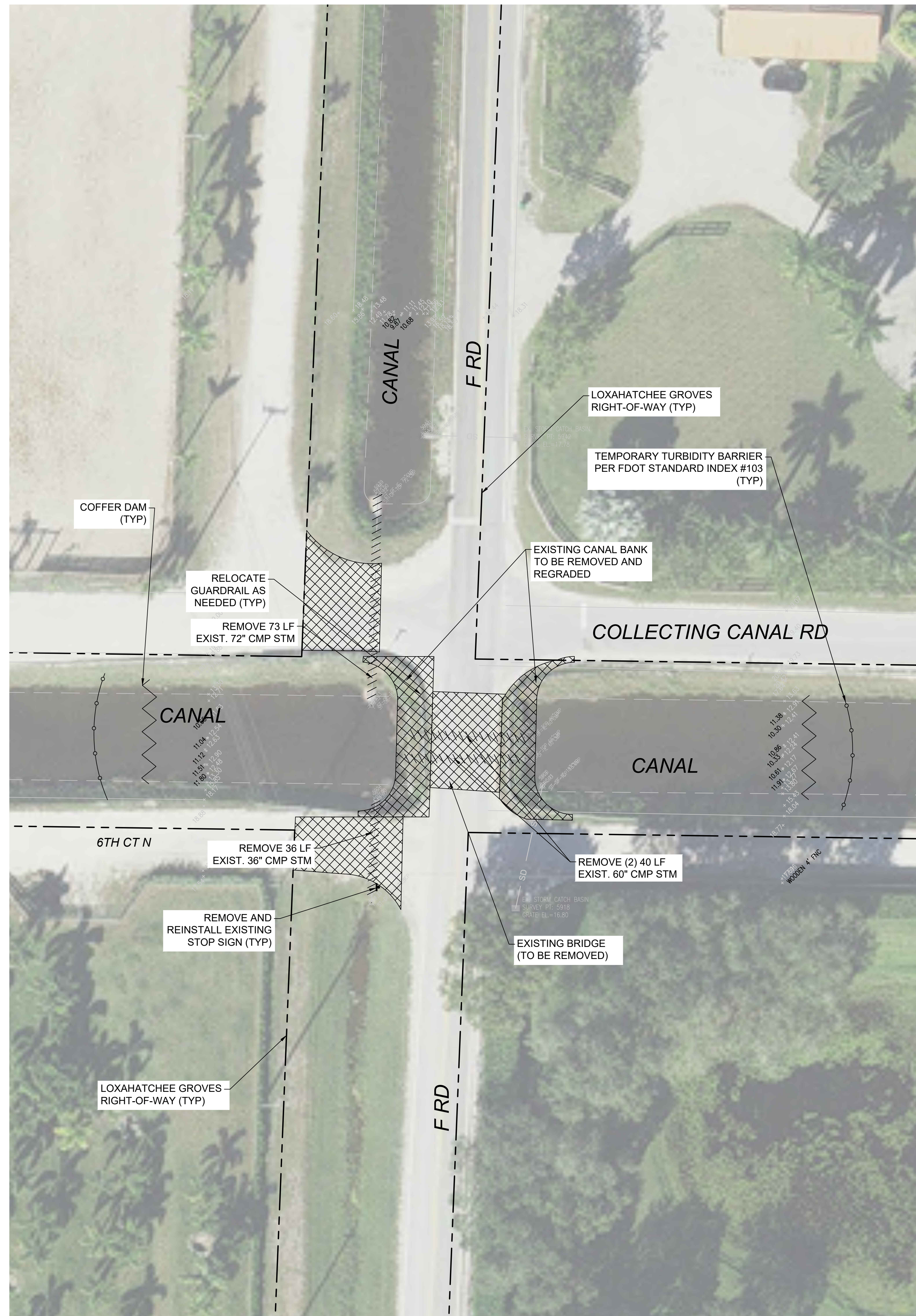
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The objective of the project is to replace the culverts at F Rd and Collecting Canal.

Work to be performed:

1. Removal of existing asphalt pavement crossing, canal banks and (2) 40 LF of 60" CMP culverts. Demolition includes install of 2 culvert dams and 2 turbidity barriers.
2. Removal and relocation of 73 LF of 72" CMP for 80 LF 96" CMP across Collecting Canal Rd with sand cement rip-rap and rubble rock rip-rap. Includes asphalt pavement restoration of Collecting Canal Rd. The culvert is within the Town's right-of-way.
3. Removal and relocation of 36 LF 36" CMP for 40 LF 36" CMP across 6<sup>th</sup> Ct. North. Includes base rock restoration of 6<sup>th</sup> Ct. N. The culvert is within the Town's right-of-way.
4. Installation (2) 60 LF of 75" CMP culverts including canal bank to be regraded with sand cement rip-rap and rubble rock rip-rap 20' from the end wall and reshaped per detail extending 50' from culvert.
5. New crossing is asphalt pavement to be placed as shown on plans.
6. Add horse trail west of the roadway on the F Rd crossing.
7. An existing private culvert across 6<sup>th</sup> Ct. N. discharging to Collecting Canal, on the east side of F Rd shall be protected and incorporated into the new canal bank.
8. Contractor to restore all areas disturbed to original condition or better, including sod and stop and street name signs.

This project is permitted through South Florida Water Management District and the Town of Loxahatchee Groves, FL. The Contractor shall be responsible for all construction and restoration in accordance with the approved plans and specifications, scheduling all inspections deemed necessary with the Town of Loxahatchee Groves and the EOR for project certification purposes, and maintaining all stormwater pollution prevention measures for the project.



LOCATION MAP  
N.T.S.

DEMOLITION LEGEND

- DEMOLISH
- TRAFFIC SIGN
- FLOATING TURBIDITY BARRIER
- PIPE TO BE REMOVED

DEMOLITION:

1. CONTRACTOR SHALL OBTAIN A "DEWATERING GENERAL WATER USE PERMIT" FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT PRIOR TO COMMENCING DEWATERING UNLESS THE WORK QUALIFIES FOR A "NO-NOTICE" AUTHORIZATION AS DESCRIBED IN RULE 40E-20.302(3) OF THE FLORIDA ADMINISTRATIVE CODE.
2. IF ENGINEER HAS ALREADY OBTAINED A DEWATERING PERMIT, CONTRACTOR SHALL BE RESPONSIBLE FOR EITHER FOLLOWING THE PERMIT REQUIREMENTS, OR REVISING THE PERMIT WITH SFWMD TO CONFORM WITH CONTRACTOR'S PLANNED MEANS AND METHODS FOR THE DEWATERING.
3. CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES IN THE AREA OF THE WORK AS CONSTRUCTION PROCEEDS. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION.
4. SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, NOTIFY THE ENGINEER IMMEDIATELY. COOPERATE WITH RESPONSIBLE UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION.
5. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE RESPECTIVE UTILITY OWNER.
6. CONTRACTOR SHALL SUSTAIN IN THEIR PLACES AND PROTECT FROM DIRECT OR INDIRECT INJURY ALL PIPES, POLES, UTILITIES, WALLS, BUILDINGS, AND OTHER STRUCTURES OR PROPERTY IN THE VICINITY OF WORK, WHETHER ABOVE OR BELOW THE GROUND, OR THAT MAY APPEAR IN THE TRENCH. CONTRACTOR SHALL TAKE ALL RISKS ATTENDANT TO THE PRESENCE OR PROXIMITY OF PIPES, POLES, WALLS, BUILDINGS, AND OTHER STRUCTURES AND PROPERTY, OF EVERY KIND AND DESCRIPTION, IN OR OVER HIS TRENCHES, EXCAVATIONS OR IN THE VICINITY OF HIS WORK, WHETHER ABOVE OR BELOW THE GROUND AND SHALL BE RESPONSIBLE FOR ALL DAMAGE AND ASSUME ALL EXPENSE FOR DIRECT OR INDIRECT INJURY, CAUSED BY HIS WORK, TO ANY OF THEM, OR TO ANY PERSON OR PROPERTY BY REASON OF INJURY TO THEM, WHETHER SUCH STRUCTURES ARE OR ARE NOT SHOWN ON THE DRAWINGS.
7. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, BENCHMARKS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EXCAVATING OPERATIONS.
8. PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.
9. WHEN EXCAVATIONS EXCEED 5 FEET IN DEPTH, CONTRACTOR SHALL MEET THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S EXCAVATION SAFETY STANDARDS 29 C.F.R.S. 1926.650, SUBPART P.
10. MATERIAL BELOW SUBGRADE DEEMED UNSUITABLE SHALL BE REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL.
11. EXCAVATION IN THE VICINITY OF ADJACENT FACILITIES SHALL BE PERFORMED BY MEANS THAT WILL NOT DAMAGE THE FACILITIES. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE FACILITY'S OWNER AT NO ADDITIONAL COST TO OWNER.
12. TRENCH BOTTOM SHALL BE SHAPED TO CONFORM TO PIPE BELLS OR OTHER SHAPE IRREGULARITIES OF SPECIAL APPURTENANCES.
13. WHERE A TRENCH CROSSES EXISTING PAVED AREAS OR ROADWAYS WHICH HAVE NOT BEEN SCHEDULED TO BE REPAIRED ON THE DRAWINGS, THE PAVED AREA SHALL BE SAW CUT, RIPPING OF PAVEMENT FOR TRENCHES WITH EXCAVATION EQUIPMENT WILL NOT BE ALLOWED.
14. SATISFACTORY EXCAVATED MATERIALS SHALL BE STOCKPILED UNTIL REQUIRED FOR BACKFILL. STOCKPILES SHALL BE PLACED, GRADED AND SHAPED FOR PROPER DRAINAGE.
15. SOIL MATERIALS SHALL BE LOCATED AND RETAINED AWAY FROM EDGES OF EXCAVATIONS.
16. EXCESS AND/OR UNSATISFACTORY MATERIALS SHALL BE DISPOSED OF OFFSITE.
17. GENERAL: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
18. SATISFACTORY SOILS: ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUPS, FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, VEGETATION, AND OTHER DELETERIOUS MATTER.
19. UNSATISFACTORY SOILS: ASTM D2487 SOIL CLASSIFICATION GROUPS GC, SC, ML, MH, CL, CH, OL, OH AND PT, OR A COMBINATION OF THESE GROUPS. UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT AT TIME OF COMPACTION.
20. BACKFILL SHALL BE PLACED IN LAYERS NOT TO EXCEED TWELVE INCHES IN DEPTH AS MEASURED BEFORE COMPACTION. EACH LAYER SHALL BE COMPACTED TO AT LEAST THE MINIMUM PERCENTAGE OF A MODIFIED PROCTOR (ASTM D1557) SPECIFIED IN THE COMPACTION SCHEDULED IN PARAGRAPH 3.03.
21. IT IS THE INTENTION THAT THE FILL MATERIALS WITH RESPECT TO MOISTURE BE USED IN THE CONDITION THEY ARE EXCAVATED INSOFAR AS THIS IS PRACTICABLE MATERIAL WHICH IS TOO WET SHALL BE SPREAD ON THE FILL AREA AND PERMITTED TO DRY, ASSISTED BY HARROWING IF NECESSARY, UNTIL THE MOISTURE CONTENT IS REDUCED TO ALLOWABLE LIMITS.
22. UNSUITABLE AND SURPLUS EXCAVATED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED AND DISPOSED OF OFF SITE.
23. SUITABLE EXCAVATED MATERIAL MAY BE USED FOR FILL OR BACKFILL IF IT MEETS THESE SPECIFICATIONS.
24. REPAIR AND RE-ESTABLISH GRADES TO SPECIFIED TOLERANCES WHERE COMPLETED OR PARTIALLY COMPLETED SURFACES BECOME ERODED, RUTTED, SETTLED, OR WHERE THEY LOSE COMPACTION DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS OR WEATHER CONDITIONS.

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

E. TARA BAMBER, P.E., PROFESSIONAL ENGINEER LICENSE NO. 69957. THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY E. TARA BAMBER, P.E. USING A SHA-1 AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



NO.	DATE	REMARKS	BY

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E. TARA BAMBER, P.E.  
NO. 69957

COLLECTING CANAL RD, 6TH CT N, AND F ROAD CULVERT  
LOXAHATCHEE GROVES  
PALM BEACH COUNTY, FLORIDA  
DEMOLITION AND EROSION CONTROL PLAN

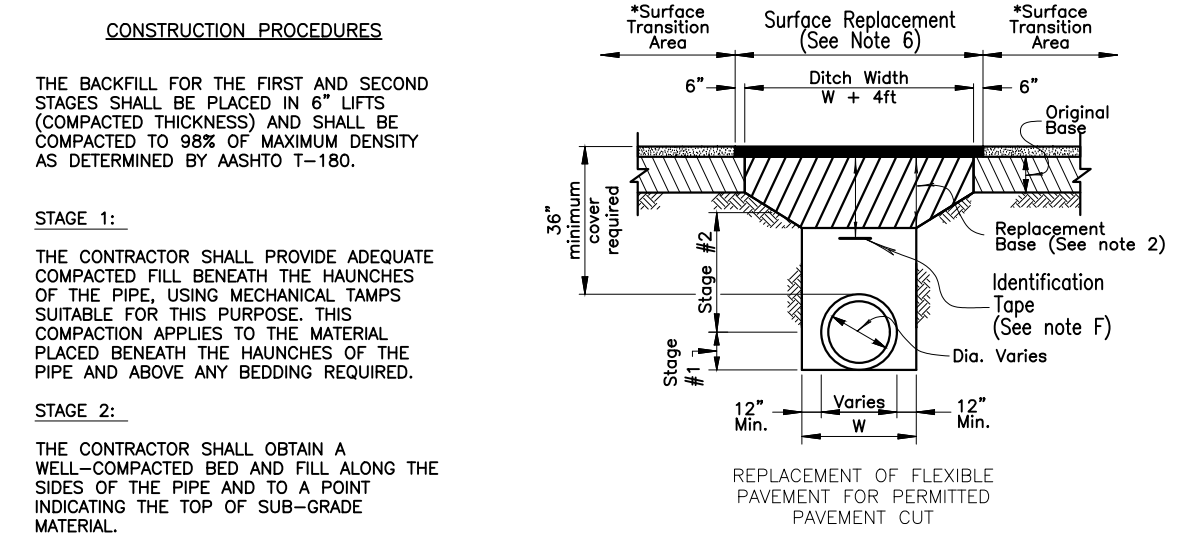
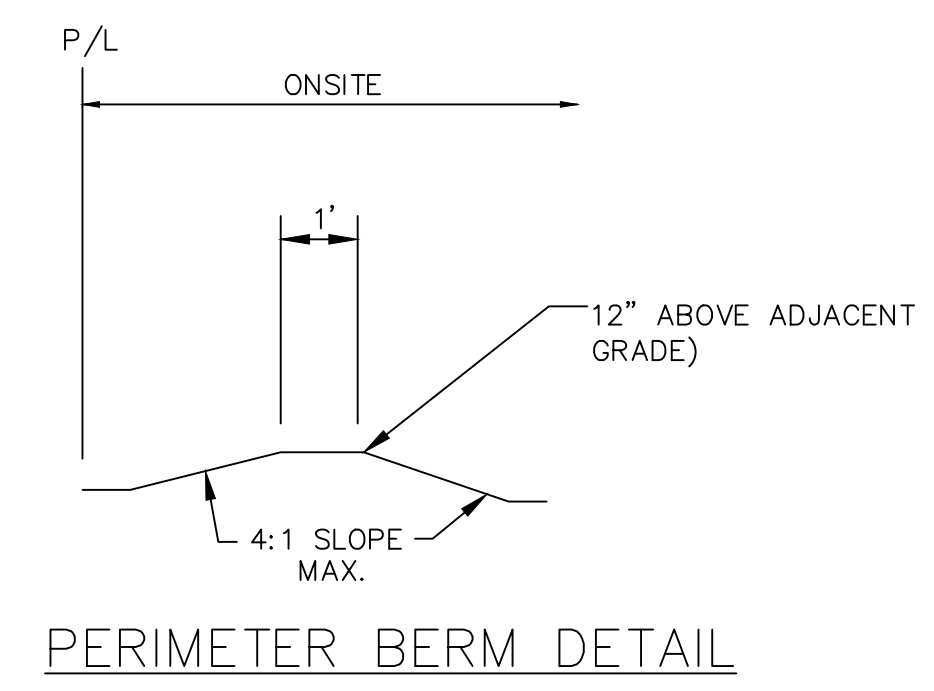
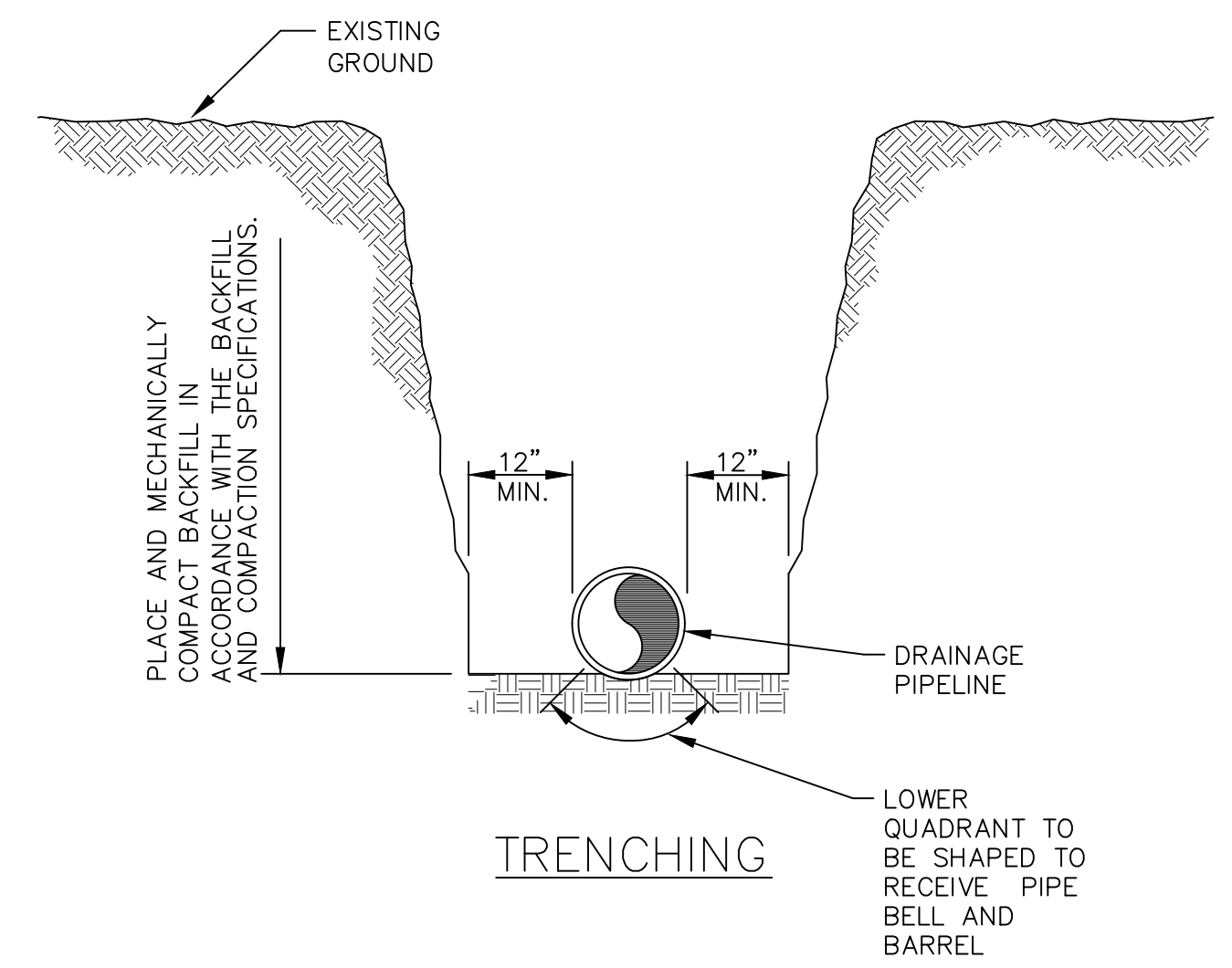
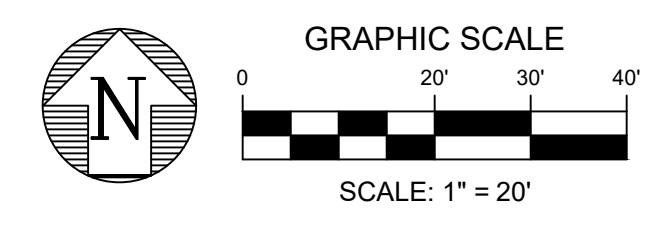
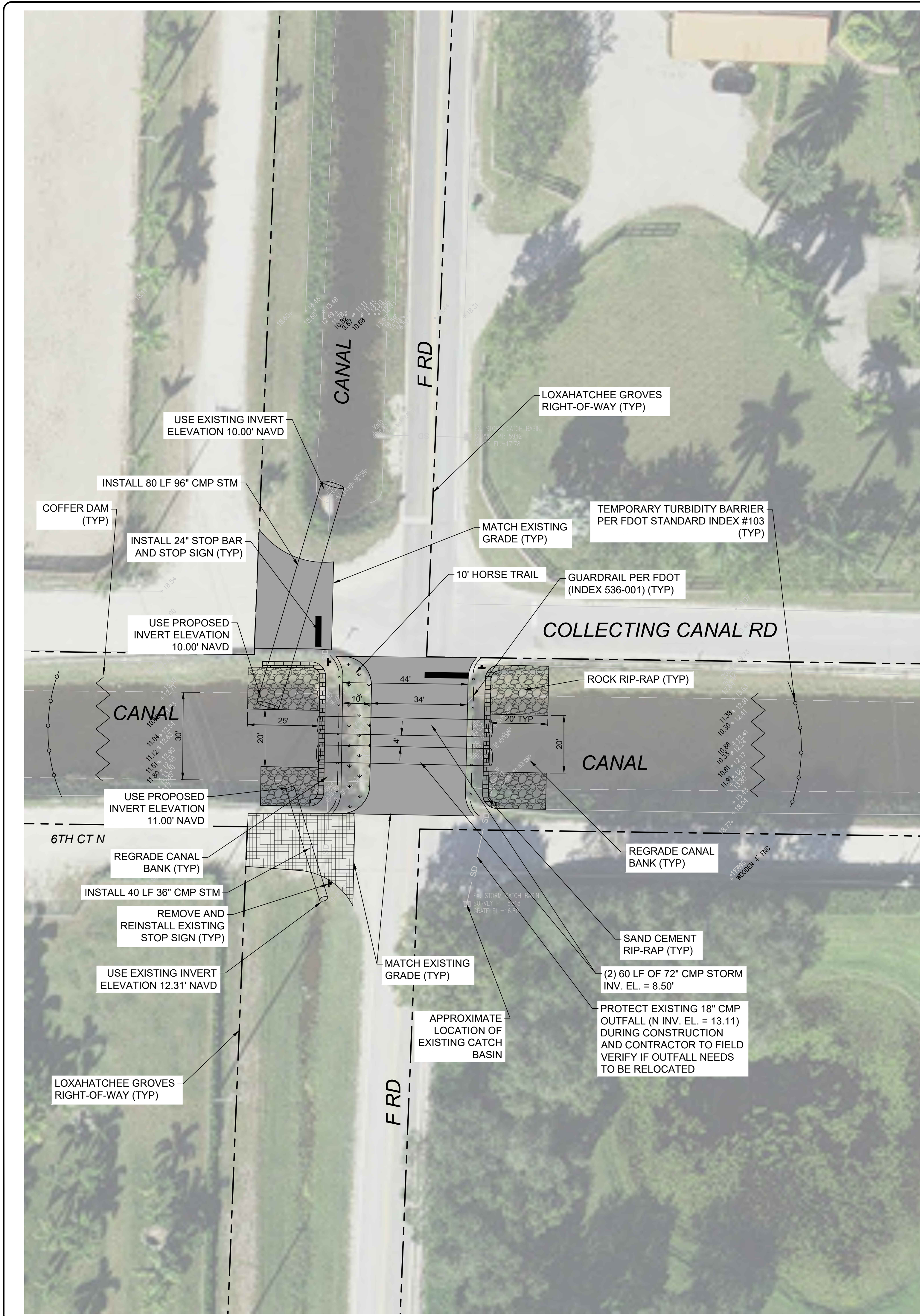
A Higher Standard of Excellence

1280 N. CONGRESS AVE., SUITE 101  
WEST PALM BEACH, FLORIDA 33409  
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WWW.ENGENUITYGROUP.COM CERTIFICATE OF AUTHORIZATION #7095

DATE	JANUARY 2, 2025	MK
DRAWN		ETLB
PROJECT ENGINEER		ETLB
PROJECT MANAGER		ACS
CHECKED		

JOB NO. 22138.89



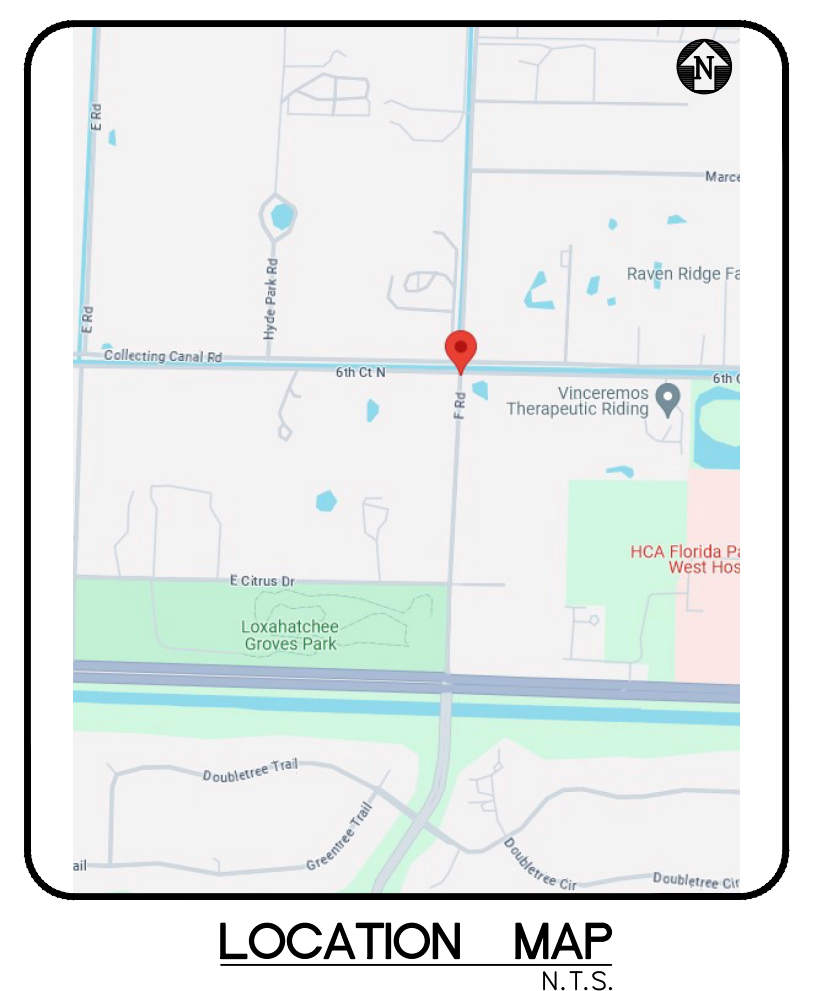
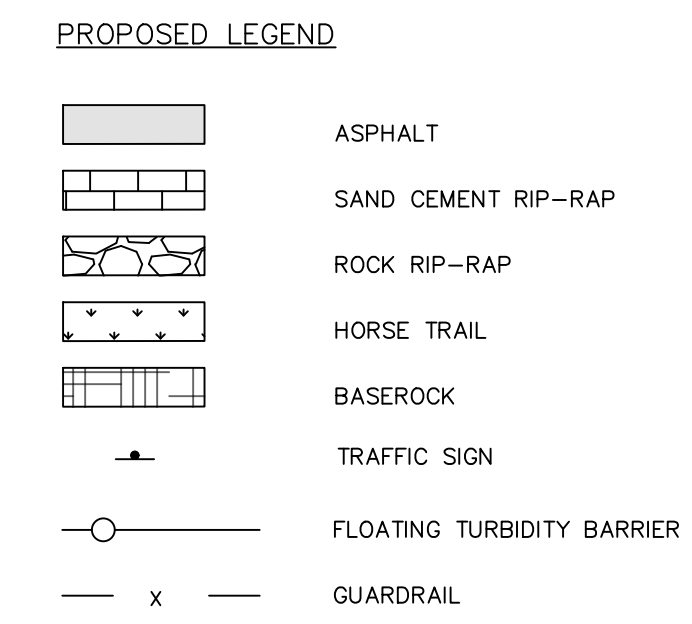


**CONSTRUCTION NOTES**

- 1) BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8" - 7/8" SIZING WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
- 2) REPLACED BASE MATERIAL OVER DITCH SHALL BE TWO TIMES THE ORIGINAL BASE THICKNESS OR 24" MINIMUM, WHICHEVER IS GREATER. FOR THOROUGHFARE PLAN ROADS.
- 3) ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND BUTT-JOINTED.
- 4) BASE MATERIAL (PER ROADWAY PRODUCTION DESIGN STANDARDS) SHALL BE PLACED IN TWO OR THREE LAYERS (6" MAX. PER LAYER) AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO THE SPECIFIED DENSITY.
- 5) SURFACE TRANSITION AREA (SEE PLANS FOR LOCATION).
- 6) 12" MINIMUM OF SP-12.5 ASPHALTIC CONCRETE WITH RC-70 PRIME COAT AT 0.10 GAL/SQ. YD.
- 7) PIPE SHALL BE PLACED IN A DRY TRENCH. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY DOWATERING PERMITS.

**GENERAL NOTES**

- A. ALL ROADWAY REPAIR WORK SHALL BE PERFORMED IN CONFORMANCE WITH APPLICABLE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- B. DENSITY TESTS SHALL BE TAKEN IN 1 FT LIFTS ABOVE THE PIPE AT INTERVALS OF 300 FT MAXIMUM (2 SETS MINIMUM, ONE ON EITHER SIDE OF ROAD CENTERLINE) OR AS DIRECTED BY THE TOWN ENGINEER. RESULTS SHALL BE SUBMITTED TO THE TOWN AS PART OF THEIR CLOSEOUT REVIEW.
- C. ENGINEER-OF-RECORD WILL PROVIDE FULL-TIME INSPECTION DURING THE ENTIRETY OF THE OPEN-CUT OPERATION, BEGINNING WITH THE EXCAVATION AND CONTINUING THROUGH THE COMPLETION OF THE FINISHING.
- D. IF THE PAVEMENT IS NOT COMPLETELY RESTORED IMMEDIATELY FOLLOWING THE OPEN-CUT, A SMOOTH TEMPORARY PATCH (MINIMUM 1.25" ASPHALT) SHALL BE INSTALLED, PROPERLY MATCHING THE EXISTING GRADING OF THE ROADWAY. THE TEMPORARY PATCH SHALL BE ALLOWED TO REMAIN IN PLACE AND BE MAINTAINED FOR A PERIOD NO LONGER THAN 45 DAYS. THE TOWN RETAINS THE RIGHT TO USE POSTED SURETY TO COMPLETE ANY RESTORATION WORK THAT HAS NOT BEEN COMPLETED IN THE 45 DAYS PERIOD. ALTERNATIVE TEMPORARY TRENCH PROTECTION (STEEL PLATES OR OTHERS) MAY BE APPROVED BY THE TOWN ENGINEER.
- E. APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUIT IN THE TOWN'S RIGHT-OF-WAY. INSTALL TAPE 24" BELOW FINISHED GRADE.
- F. CONTINUOUS 4" WIDE PAINT STRIPING IS REQUIRED FOR DIP/POOP WATER MAINS (BLUE), DIP SANITARY MAINS (GREEN), DIP RECLAIMED WATER MAINS (PURPLE), GAS MAINS (YELLOW), OR AS REQUIRED BY THE APRA.



- GENERAL NOTES:**
1. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TO CONVERT TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29) ADD 1.48' TO NAVD 88 ELEVATION.
  2. FINISHED GRADES SHALL MATCH EXISTING, UNLESS OTHERWISE NOTED.
  3. CONTRACTOR SHALL RESTORE DISRUPTIONS TO SERVICES OR ACCESSIBILITY WITHIN 48 HOURS.
  4. TOPOGRAPHIC SURVEY PERFORMED BY ENGENUITY GROUP, INC. ON DECEMBER 11, 2023.
  5. ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL LOXAHATCHEE GROVES WATER CONTROL DISTRICT, TOWN OF LOXAHATCHEE GROVES, AND FDOT STANDARDS.
  6. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO ORIGINAL CONDITION OR BETTER. ALL RESTORATION WORK SHALL MEET THE REQUIREMENTS OF THE TOWN OF LOXAHATCHEE GROVES.
  7. MAINTAIN TRAFFIC THROUGH THE WORK AREA IN ACCORDANCE WITH INDEX 600, 602 AND 603 (AS APPLICABLE) OF THE FDOT STANDARDS. NOT MORE THAN ONE-HALF OF THE ROAD CAN BE CLOSED TO TRAFFIC DURING DAYLIGHT HOURS. THE ENTIRE ROAD WIDTH SHALL BE OPEN TO TRAFFIC AT NIGHT. CONTRACTOR SHALL PROVIDE THE TOWN OF LOXAHATCHEE GROVES A MINIMUM OF 1 WEEK NOTICE FOR LANE CLOSURES.

- DRAINAGE:**
1. PIPE SHALL BE PROTECTED DURING STORAGE AND HANDLING AGAINST IMPACT SHOCKS AND FREE FALL. PIPE SHALL BE KEPT CLEAN AT ALL TIMES.
  2. ALL PIPE SHALL BE CAREFULLY INSTALLED STARTING AT THE LOWEST END, WITH HUBS UPGRADE AND TONGUE END FULLY ENTERED INTO THE HUB.
  3. ANY PIPE THAT IS NOT IN TRUE ALIGNMENT OR WHICH SHOWS ANY SETTLEMENT AFTER INSTALLATION SHALL BE TAKEN UP AND RE-INSTALLED AT NO ADDITIONAL COST TO OWNER.
  4. PLACE PLUGS IN ENDS OF UNCOMPLETED PIPE AT END OF DAY OR WHENEVER WORK STOPS.
  5. RUBBER GASKETS FOR CONCRETE PIPE JOINTS SHALL MEET THE REQUIREMENTS OF THE 2007 EDITION OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 942. THE GASKET AND THE SURFACE OF THE PIPE JOINT, INCLUDING THE GASKET RECESS, SHALL BE CLEAN AND FREE FROM GRIT, DIRT, AND OTHER FOREIGN MATTER AT THE TIME THE JOINTS ARE MADE.
  6. PIPE SHALL BE SET FIRMLY, ACCORDING TO THE LINES AND GRADE; AND PREPARATORY TO MAKING JOINTS, ALL SURFACES OF THE PORTION OF THE PIPE TO BE JOINTED SHALL BE THOROUGHLY CLEANED. THE PIPE SHALL BE LAID WITH THE GROOVE UPSTREAM. A SHALLOW EXCAVATION SHALL BE MADE UNDERNEATH THE PIPE AT THE JOINT.
  7. IMMEDIATELY PRIOR TO INSTALLATION OF CONCRETE PIPE, THE ENTIRE INTERIOR OF THE GROOVE OF THE PIPE ALREADY INSTALLED, AND THE RUBBER GASKET OF THE PIPE TO BE INSTALLED SHALL BE COATED WITH AN APPROVED VEGETABLE SOAP LUBRICANT. THE GROOVE AND SPIGOT ENDS SHALL BE CLEANED PRIOR TO APPLICATION OF THE LUBRICANT. THE PIPE SHALL THEN BE ALIGNED WITH THE PREVIOUSLY INSTALLED PIPE AND THE JOINT PULLED TOGETHER. THE JOINT SHALL BE PULLED BY THE USE OF INTERIOR OR EXTERIOR PULL JACKS OR WINCHES, ANCHORED BY SUITABLE MEANS. THE CHOICE OF METHOD AND TYPE OF EQUIPMENT WILL DEPEND ON TRENCH CONDITIONS, TYPE AND SIZE OF PIPE, AND ITS ABILITY TO PROPERLY SEAL THE GASKET. IF, WHILE MAKING THE JOINT, THE GASKET BECOMES LOOSE AND CAN BE SEEN THROUGH THE EXTERIOR JOINT RECESS WHEN THE JOINT IS PULLED UP TO WITHIN ONE INCH (1") OF CLOSURE, THE PIPE SHALL BE REMOVED AND THE JOINT REMADE.
  8. WHEN SHOWN ON THE DRAWINGS, SEAL THE ENDS OF THE PIPE WITH A MASONRY PLUG A MINIMUM OF 8 INCHES IN THICKNESS.
  9. INSTALL FILTER FABRIC JACKET AROUND THE FIRST JOINT OF ALL PIPE ENTERING OR LEAVING A DRAINAGE STRUCTURE AND AT ALL CONCRETE PIPE JOINTS. USE A FILTER FABRIC JACKET CONSISTING OF A PIECE OF WOVEN OR NON-WOVEN FILTER FABRIC WHICH PROVIDES AN APPARENT OPENING SIZE OF A NO. 70 TO NO. 100 SIEVE, 24 INCHES IN WIDTH AND A LENGTH SUFFICIENT TO PROVIDE A MINIMUM OVERLAP OF 24 INCHES. SECURE THE FILTER FABRIC JACKET AGAINST THE OUTSIDE OF THE CONCRETE PIPE BY STEEL OR PLASTIC STRAPPING.
  10. CORRUGATED POLYETHYLENE PIPE
    - A. AASHTO M294, TYPE S SMOOTH WALL INTERIOR. CORRUGATIONS MAY ONLY BE ANNULAR. BELL AND SPIGOT JOINTS WITH A GASKET MEETING ASTM F477. WHEN PERFORATED PIPE IS SPECIFIED ON THE DRAWINGS, THE PERFORATIONS SHALL CONFORM TO THE REQUIREMENTS OF CLASS 1.
  12. TRENCHES ARE TO BE DRY WHILE THE PIPE IS BEING LAID.
  13. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND SECURING THE EXISTING DRAINAGE OUTFALLS DURING AND AFTER CONSTRUCTION.

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

**OPEN CUT PIPE INSTALLATION FOR TOWN ROADS  
(LOXAHATCHEE GROVES RIGHT-OF-WAY)  
NTS**

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DATE		DRAWN		PROJECT		PROJECT		CHECKED	
JANUARY 2, 2025		MK		ETLB		ETLB		ACS	
JOB NO.		22138.89		PAGE		41		OF 88	

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E. TARA BAMBER, P.E. NO. 69957

COLLECTING CANAL RD, 6TH CT N, AND F ROAD CULVERT  
LOXAHATCHEE GROVES  
PALM BEACH COUNTY, FLORIDA  
ENGINEERING PLAN

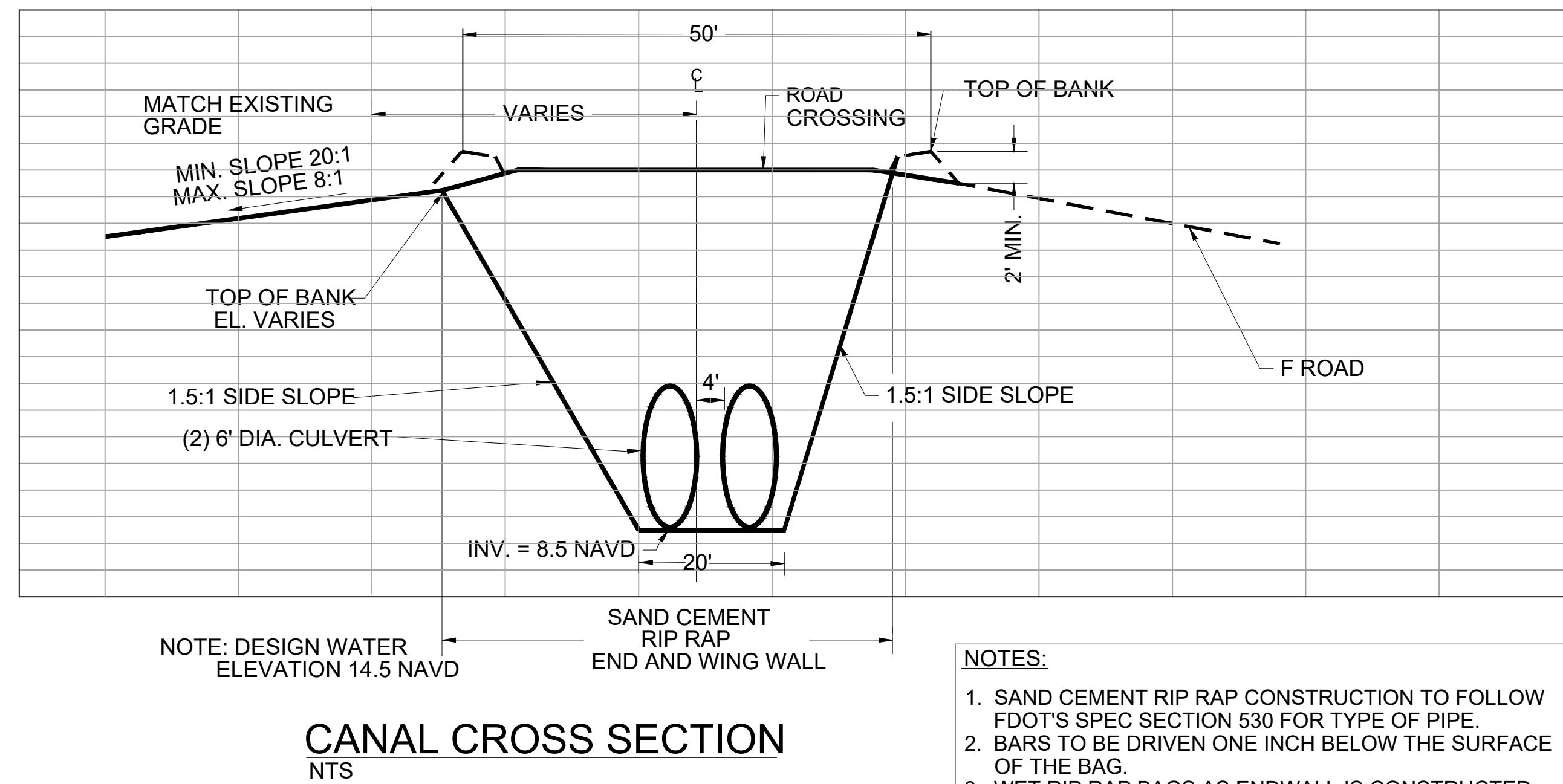
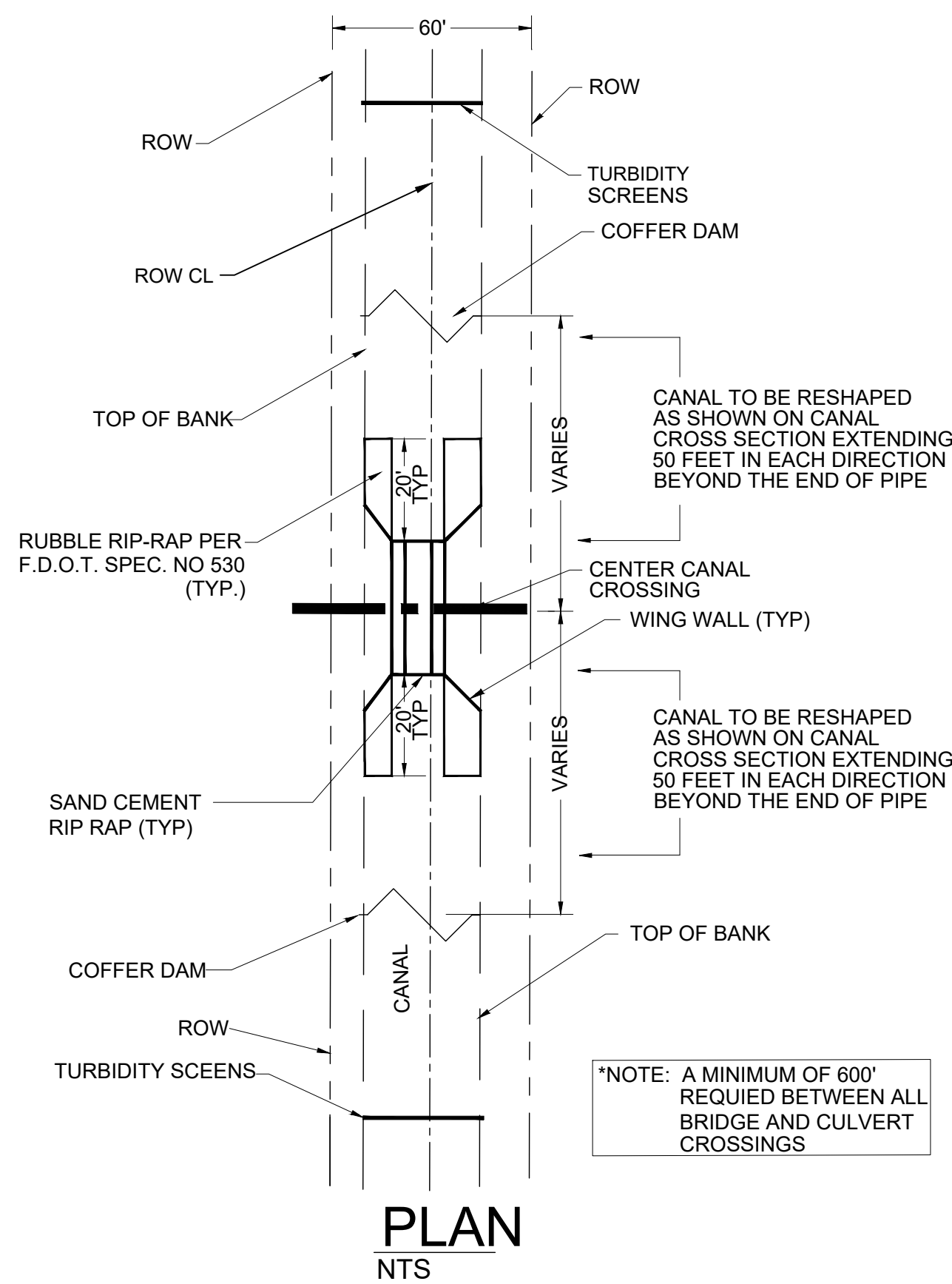
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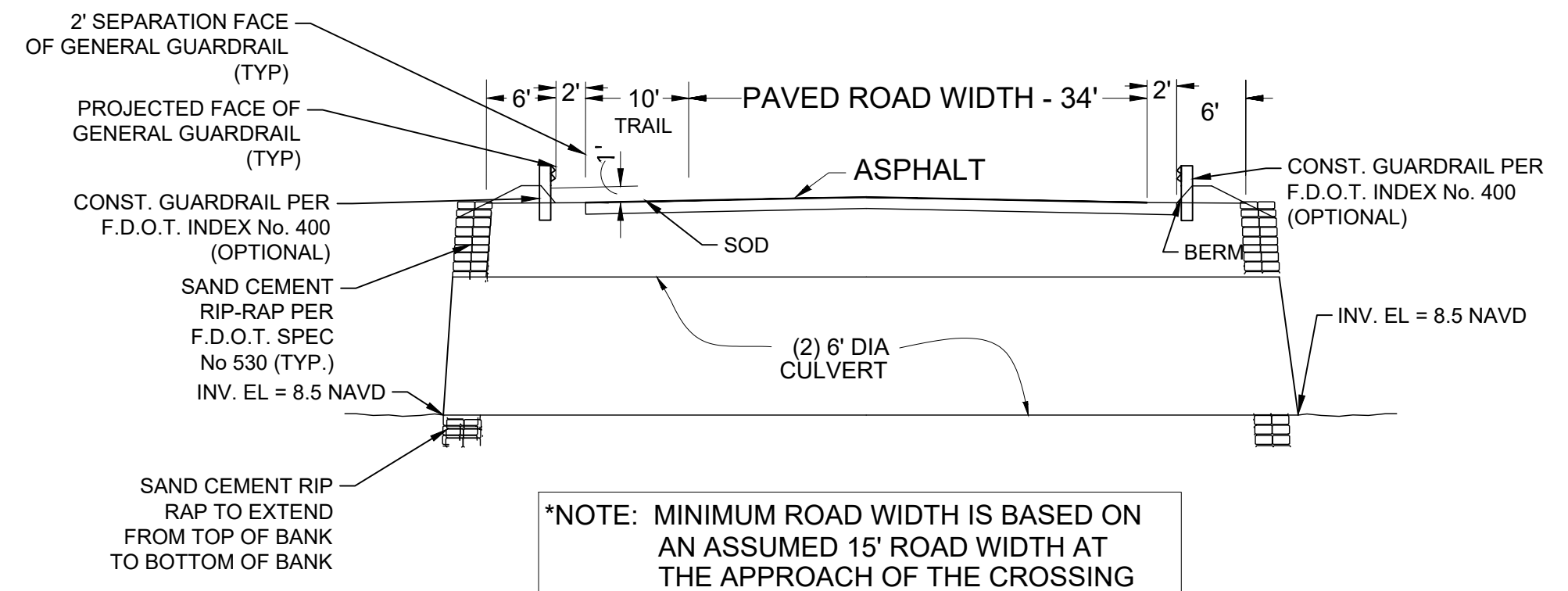
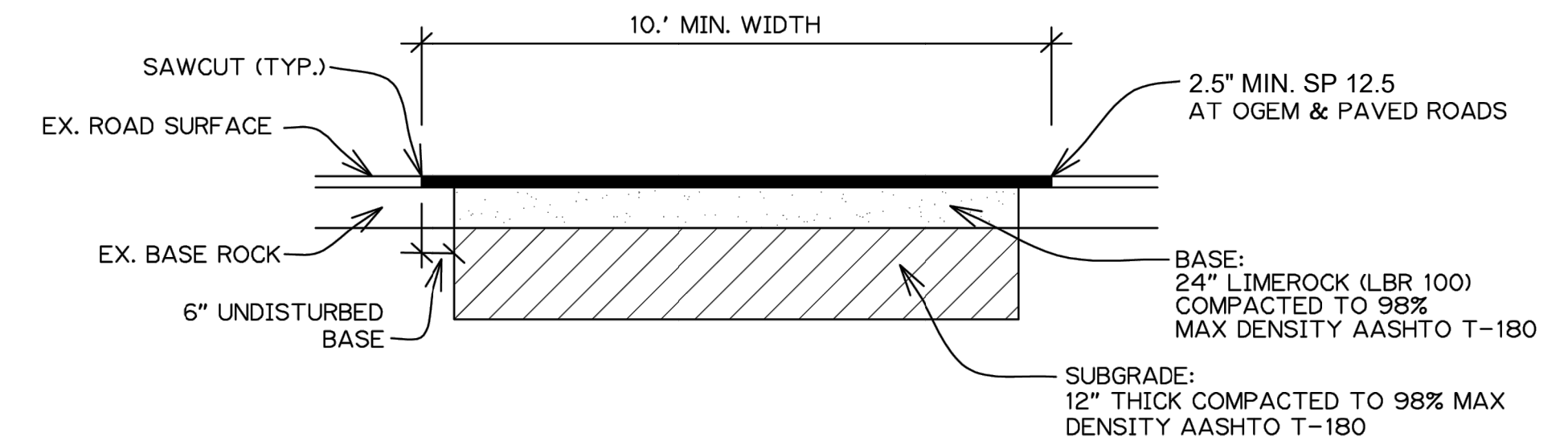
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**GENERAL NOTES:**

- CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL NECESSARY PRECAUTIONS NECESSARY TO AVOID THE MONUMENTS DURING CONSTRUCTION. IS A MONUMENT IS DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE MONUMENT AT NO ADDITIONAL COST TO THE OWNER OR THE DISTRICT.
- ALL UNSUITABLE MATERIAL SUCH AS MUCK, MARL, AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER. CLEAN GRANULAR FILL MATERIAL SHALL BE USED FOR BACKFILL AND PLACED IN 12 INCH LIFTS OR LESS AS REQUIRED BY COMPACTION. COMPACTION OF BACKFILLS TO BE 95% OF THE MAXIMUM DENSITY PER AASHTO T-180.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE GENERAL PUBLIC. DRAWING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE SIGNS, BARRICADES, AND FLAGMEN AS NECESSARY FOR TRAFFIC SAFETY, DURING CONSTRUCTION.
- ALL CONCRETE SHALL BE A MINIMUM OF 3,000 PSI UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL COMPLY WITH ALL OF THE SAFETY REQUIREMENTS OF THE TRENCH, DRAIN SAFETY ACT, DRAWING INSTALLATION OF THE CULVERT CANAL CROSSING.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PERMIT CONDITIONS AS ISSUED BY THE LOXAHATCHEE GROVES WATER CONTROL DISTRICT AND OTHER GOVERNMENT AGENCIES
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF ANY TEST TO ARRANGE FOR THE WATER CONTROL DISTRICT TO HAVE A REPRESENTATIVE PRESENT, IF REQUIRED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE FOR INSPECTIONS OF THE CONSTRUCTION
- CONTRACTOR TO PROVIDE SILT SCREENS OR OTHER ENVIRONMENTAL MEASURES TO CONTROL TURBIDITY TO STATUTORY/REGULATORY LEVELS IN THE CANAL UP AND DOWNSTREAM DURING CONSTRUCTION
- CONTRACTOR TO PROVIDE D. O. T. APPROVED LIME ROCK FOR ROAD CROSSING.
- CONTRACTOR TO DIG CANAL TO NEW SECTION 450 LF IN EACH DIRECTION FROM END OF CULVERT PIPE
- ALL AREAS DISTURBED DRAWING CONSTRUCTION ALONG CANAL, INCLUDING MAINTENANCE EASEMENT AND CANAL BANKS, TO BE SEATED AND MULCHED PER DOT SPECIFICATIONS.
- CONTRACTOR TO MAINTAIN WATER FLOW BY MEANS OF A BYPASS DRAWING INSTALLATION OF THE CULVERT, UNLESS OTHERWISE DIRECTED BY THE DISTRICT. THIS BYPASS MUST BE APPROVED BY LOXAHATCHEE GROVES WATER CONTROL DISTRICT PRIOR TO BEGINNING CONSTRUCTION.
- ALL CORRUGATED STIFF PIPE COUPLING BANDS SHALL CONFORM TO AASHTO M 36 SPECIFICATION
- ALL CORRUGATED STEEL PIPE SHALL BE BITUMINOUS COATED IN ACCORDANCE WITH THE REQUIREMENTS AASHTO M190, FOR TYPE A (FULLY BITUMINOUS COATED)
- WHERE ALUMINUM PIPE IS USED, IF BITUMINOUS COATED, IT SHALL MEET THE AASHTO SPACE M190 TYPE A, SPECIFICATION FOR BITUMINOUS COATING
- REINFORCED CONCRETE PIPE (RCP) PARENTHESES SHALL CONFORM TO THE FDOT SECTION 941 OF THE LATEST STANDARD SPECIFICATIONS
- MAINTENANCE SIDE OF CANAL TO BE SLOPED AT 20:1 MIN. / 8:1 MAX. AWAY FROM TOP OF BANK.
- ALL GROUND VEGETATION AND TREES WITHIN RIGHT OF WAY AND MAINTENANCE EASEMENT TO BE REMOVED FOR ENTIRE LENGTH OF PROPERTY FRONTAGE
- PERMIT TO HAVE A REGISTERED LAND SURVEYOR PROVIDE CROSS SECTIONS OF CANAL AND ROADWAY FOR PRE- AND POST- CONSTRUCTION AND AS-BUILTS
- PERMIT TO HAVE A REGISTERED ENGINEER DESIGN AND PROVIDE SIGNED AND SEALED DRAWINGS FOR THE CULVERT CROSSING
- PERSONS INSTALLING CULVERTS OR BRIDGES WITHOUT A DISTRICT PERMIT WILL BE SUBJECT TO A DOUBLE PERMIT FEE AND MUST FIELD VERIFY, TO THE DISTRICT ENGINEER'S SATISFACTION THAT THE UNIFORM STANDARDS HAS BEEN MET. WORK NOT MEETING THE DISTRICT'S UNIFORM STANDARDS SHALL BE REMOVED FROM THE RIGHT OF WAY.

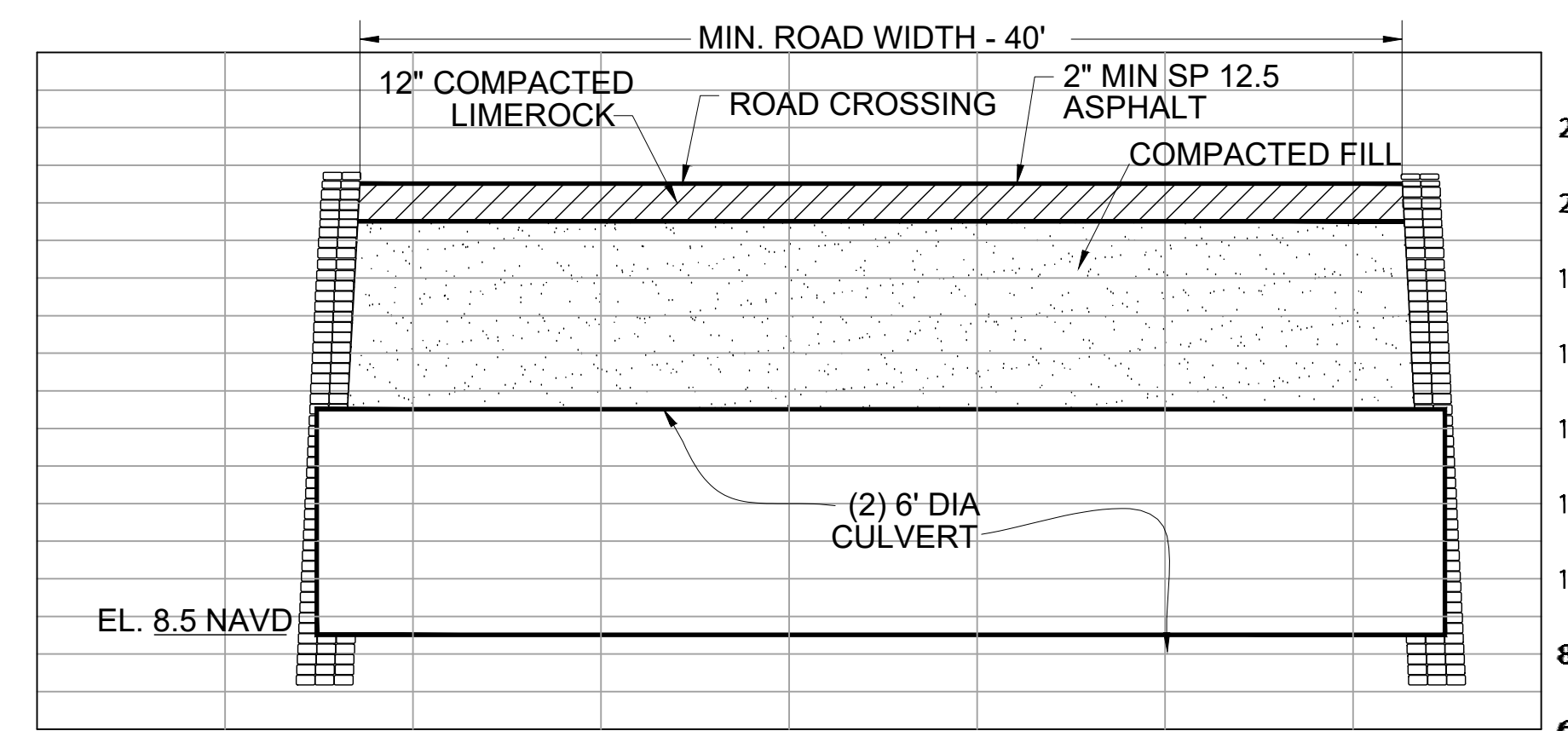


- NOTES:**
- SAND CEMENT RIP RAP CONSTRUCTION TO FOLLOW FDOT'S SPEC SECTION 530 FOR TYPE OF PIPE.
  - BARS TO BE DRIVEN ONE INCH BELOW THE SURFACE OF THE BAG.
  - WET RIP RAP BAGS AS ENDWALL IS CONSTRUCTED.
  - EXTEND RIP-RAP AROUND RADIUS ALONG BERM TO PREVENT EROSION.



\*NOTE: MINIMUM ROAD WIDTH IS BASED ON AN ASSUMED 15' ROAD WIDTH AT THE APPROACH OF THE CROSSING

**SAND CEMENT RIP - RAP CROSS SECTION NTS**



\*NOTE: MINIMUM ROAD WIDTH IS BASED ON AN ASSUMED 15' ROAD WIDTH AT THE APPROACH OF THE CROSSING

**SAND CEMENT RIP - RAP CROSS SECTION NTS**

**ADOPTED  
FEBRUARY 10, 2003**

**CULVERT CROSSINGS  
SOUTH OF  
OKEECHOBEE BOULEVARD**



**Know what's below.  
Call before you dig.**

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E. TARA L. BAMBER, P.E. NO. 69957

**COLLECTING CANAL RD, 6TH CT N, AND F ROAD CULVERT  
LOXAHATCHEE GROVES  
PALM BEACH COUNTY, FLORIDA  
DETAILS**

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JANUARY 2, 2025	MK	ETLB	ETLB		

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3  
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155 F Road Loxahatchee Groves, FL 33470

## **Project Scope: Kerry Lane at F Rd Culvert Replacements**

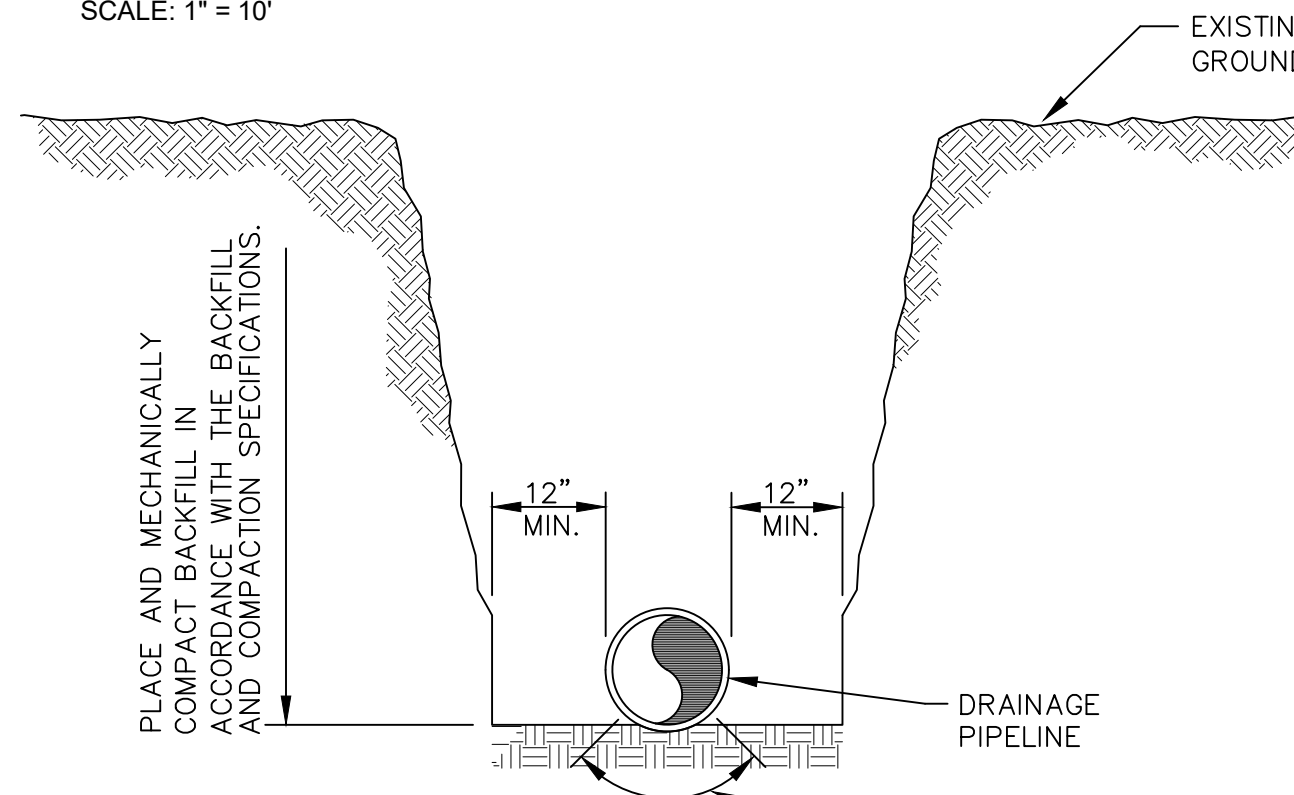
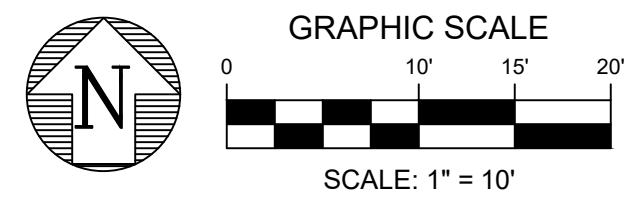
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The objective of the project is to replace the culverts at Kerry Lane and F Rd.

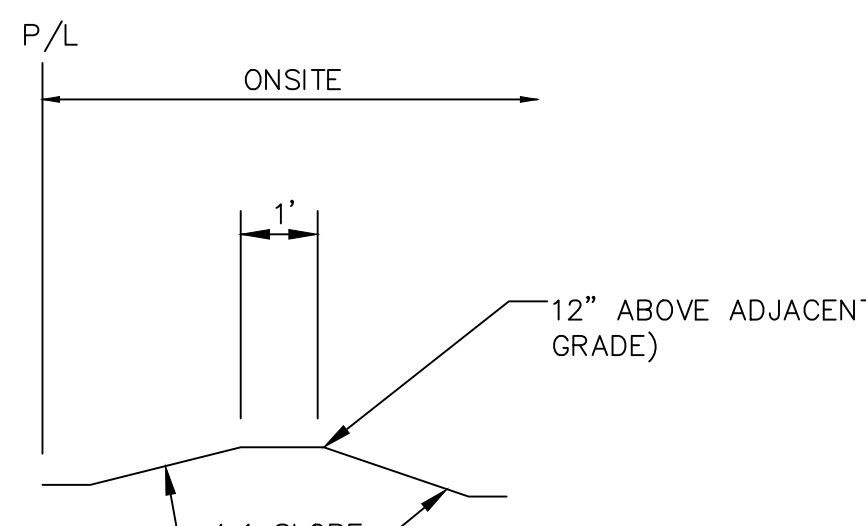
Work to be performed:

1. Removal of existing asphalt pavement crossing and 30 LF of 72" CMP. Demolition includes install of 2 culvert dams and 2 turbidity barriers.
2. Removal and relocation of approximately 40 LF of 18" CMP across F Rd from the north side of 17<sup>th</sup> Rd. N and 40 LF 18" CMP across F Rd from the south side of 17<sup>th</sup> Rd. N. Includes asphalt pavement restoration of F Rd, quantities of pavement repair and culverts to be determined based on relocation. The culverts are within the Town's right-of-way.
3. Existing horse trail west of the canal is to remain and to be protected.
4. Installation of 40 LF of 96" CMP culvert.
5. Canal bank to be regraded with sand cement rip-rap and rubble rock rip-rap 20' from the end wall and reshaped per detail extending 50' from culvert.
6. New crossing is asphalt pavement to be centered off the existing crossing.
7. Contractor to restore all areas disturbed to original condition or better, including sod and stop and street name signs.

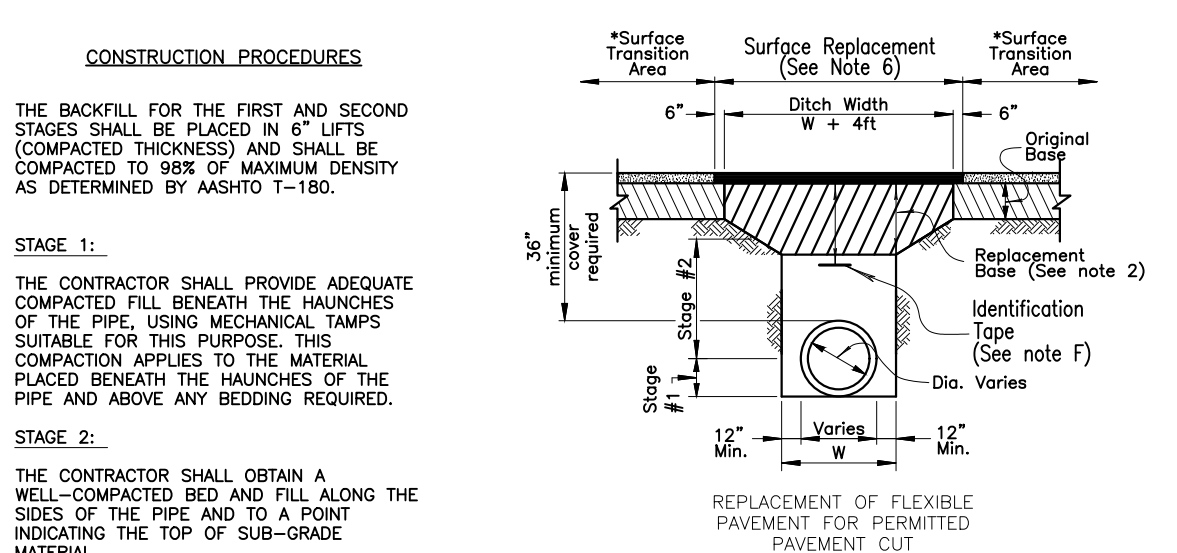
The Contractor shall be responsible for all construction and restoration in accordance with the approved plans and specifications, scheduling all inspections deemed necessary with the Town of Loxahatchee Groves and the EOR for project certification purposes, and maintaining all stormwater pollution prevention measures for the project.



**TRENCHING**  
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**PERIMETER BERM DETAIL**  
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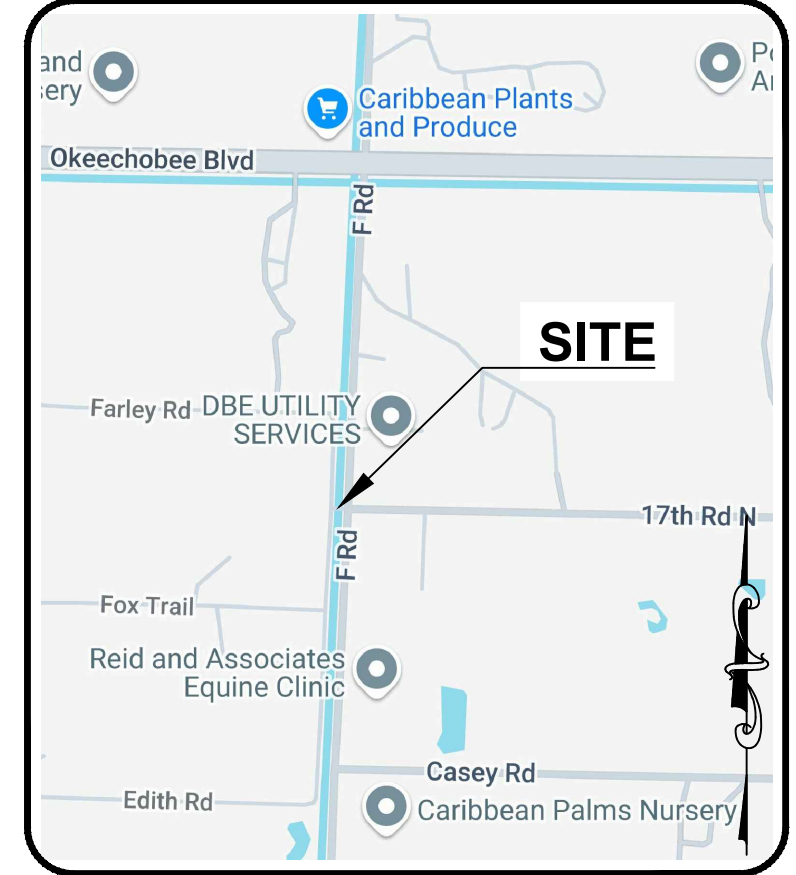
- CONSTRUCTION PROCEDURES**
- THE BACKFILL FOR THE FIRST AND SECOND STAGES SHALL BE PLACED IN 6" LIFTS (COMPACTED THICKNESS) AND SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM T-99.
- STAGE 1:**  
THE CONTRACTOR SHALL PROVIDE ADEQUATE COMPACTED FILL BENEATH THE HAUNCHES OF THE PIPE, USING MECHANICAL TAMPS SUITABLE FOR THIS PURPOSE. THIS COMPACTION APPLIES TO THE MATERIAL PLACED BENEATH THE HAUNCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED.
- STAGE 2:**  
THE CONTRACTOR SHALL OBTAIN A WELL-COMPACTED BED AND FILL ALONG THE SIDES OF THE PIPE AND TO A POINT INDICATING THE TOP OF SUB-GRADE MATERIAL.
- CONSTRUCTION NOTES**
- 1) BEDDING SHALL CONSIST OF (IN-PL) GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8" - 7/8" SIZES WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNSUITABLE MATERIALS SUCH AS WELLS, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
  - 2) REPAVED BASE MATERIAL OVER DITCH SHALL BE TWO TIMES THE ORIGINAL BASE THICKNESS OR 24" MINIMUM, WHICHEVER IS GREATER. FOR THROUGHFARE PLAN ROADS.
  - 3) ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND BUTT-JOINED.
  - 4) BASE MATERIAL (PER ROADWAY PRODUCTION DESIGN STANDARDS) SHALL BE PLACED IN TWO OR THREE LAYERS (6" MAX. PER LAYER) AND EACH LAYER THICKNESS ROLLED OR TAMPED TO THE SPECIFIED DENSITY.
  - 5) SURFACE TRANSITION AREA (SEE PLAN FOR LOCATION)
  - 6) Z-MINIMUM OF SP-12.5 ASPHALTIC CONCRETE WITH FC-70 PRIME COAT AT 0.10 GAL/SQ. YD.
  - 7) PIPE SHALL BE PLACED IN A DRY TRENCH. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY DEWATERING PERMITS.

- GENERAL NOTES**
- A. ALL ROADWAY REPAIR WORK SHALL BE PERFORMED IN CONFORMANCE WITH APPLICABLE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - B. DENSITY TESTS SHALL BE TAKEN IN 1 FT LIFTS ABOVE THE PIPE AT INTERVALS OF 300 FT MAXIMUM (2 SETS MINIMUM, ONE ON EITHER SIDE OF ROAD CENTERLINE) OR AS DIRECTED BY THE TOWN ENGINEER. RESULTS SHALL BE SUBMITTED TO THE TOWN AS PART OF THEIR CLOSEOUT REVIEW.
  - C. ENGINEER-OF-RECORD WILL PROVIDE FULL-TIME INSPECTION DURING THE ENTIRETY OF THE OPEN-CUT OPERATION, BEGINNING WITH THE EXCAVATION AND CONTINUING THROUGH THE COMPLETION OF THE PAVING.
  - D. IF THE PAVEMENT IS NOT COMPLETELY RESTORED IMMEDIATELY FOLLOWING THE OPEN CUT, A SMOOGE TEMPORARY PATCH (MAXIMUM 12" ASPHALT) SHALL BE INSTALLED, PROPERLY MATCHING THE EXISTING GRADING OF THE ROADWAY. THE TEMPORARY PATCH SHALL BE ALLOWED TO REMAIN IN PLACE AND BE MAINTAINED FOR A PERIOD NO LONGER THAN 45 DAYS. THE TOWN RETAINS THE RIGHT TO USE POSTED SURETY TO COMPLETE ANY RESTORATION WORK THAT HAS NOT BEEN COMPLETED IN THE 45 DAY PERIOD. ALTERNATIVE TEMPORARY PATCH PROTECTION (STEEL PLATES OR OTHERS) MAY BE APPROVED BY THE TOWN ENGINEER.
  - E. APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUIT IN THE TOWN'S RIGHT-OF-WAY. INSTALL TAPE 24" BELOW FINISHED GRADE.
  - F. CONTINUOUS 4" WIDE PAINT STRIPING IS REQUIRED FOR DIPP/CCP WATER MAINS (BLUE), DIP SANITARY MAINS (GREEN), DIP RECLAIMED WATER MAINS (PURPLE), GAS MAINS (YELLOW), OR AS REQUIRED BY THE APWA.

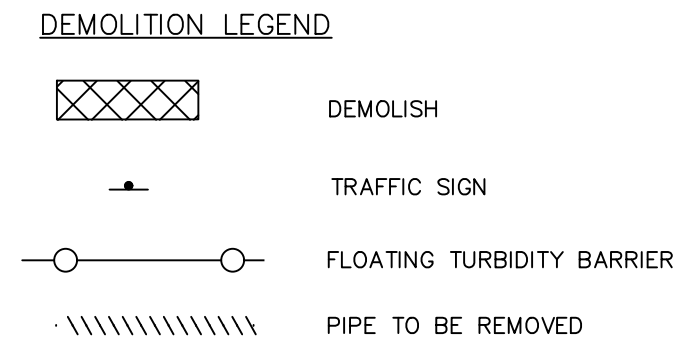
**OPEN CUT PIPE INSTALLATION FOR TOWN ROADS**  
**(LOXAHATCHEE GROVES RIGHT-OF-WAY)**  
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ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

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LOCATION MAP  
N.T.S.



**DEMOLITION:**

1. CONTRACTOR SHALL OBTAIN A "DEWATERING GENERAL WATER USE PERMIT" FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT PRIOR TO COMMENCING DEWATERING UNLESS THE WORK QUALIFIES FOR A "NO-NOTICE" AUTHORIZATION AS DESCRIBED IN RULE 40E-20.302(3) OF THE FLORIDA ADMINISTRATIVE CODE.
2. IF ENGINEER HAS ALREADY OBTAINED A DEWATERING PERMIT, CONTRACTOR SHALL BE RESPONSIBLE FOR EITHER FOLLOWING THE PERMIT REQUIREMENTS, OR REVISING THE PERMIT WITH SFWMD TO CONFORM WITH CONTRACTOR'S PLANNED MEANS AND METHODS FOR THE DEWATERING.
3. CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES IN THE AREA OF THE WORK AS CONSTRUCTION PROCEEDS. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION.
4. SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, NOTIFY THE ENGINEER IMMEDIATELY. COOPERATE WITH RESPONSIBLE UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION.
5. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE RESPECTIVE UTILITY OWNER.
6. CONTRACTOR SHALL SUSTAIN IN THEIR PLACES AND PROTECT FROM DIRECT OR INDIRECT INJURY ALL PIPES, POLES, UTILITIES, WALLS, BUILDINGS, AND OTHER STRUCTURES OR PROPERTY IN THE VICINITY OF WORK, WHETHER ABOVE OR BELOW THE GROUND, OR THAT MAY APPEAR IN THE TRENCH. CONTRACTOR SHALL TAKE ALL RISKS ATTENDANT TO THE PRESENCE OR PROXIMITY OF PIPES, POLES, WALLS, BUILDINGS, AND OTHER STRUCTURES AND PROPERTY, OF EVERY KIND AND DESCRIPTION, IN OR OVER HIS TRENCHES, EXCAVATIONS OR IN THE VICINITY OF HIS WORK, WHETHER ABOVE OR BELOW THE GROUND AND SHALL BE RESPONSIBLE FOR ALL DAMAGE AND ASSUME ALL EXPENSE FOR DIRECT OR INDIRECT INJURY, CAUSED BY HIS WORK, TO ANY OF THEM, OR TO ANY PERSON OR PROPERTY BY REASON OF INJURY TO THEM, WHETHER SUCH STRUCTURES ARE OR ARE NOT SHOWN ON THE DRAWINGS.
7. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, BENCHMARKS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EXCAVATING OPERATIONS.
8. PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.
9. WHEN EXCAVATIONS EXCEED 5 FEET IN DEPTH, CONTRACTOR SHALL MEET THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S EXCAVATION SAFETY STANDARDS 29 C.F.R.S. 1926.650, SUBPART P.
10. MATERIAL BELOW SUBGRADE DEEMED UNSUITABLE SHALL BE REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL.
11. EXCAVATION IN THE VICINITY OF ADJACENT FACILITIES SHALL BE PERFORMED BY MEANS THAT WILL NOT DAMAGE THE FACILITIES. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE FACILITY'S OWNER AT NO ADDITIONAL COST TO OWNER.
12. TRENCH BOTTOM SHALL BE SHAPED TO CONFORM TO PIPE BELLS OR OTHER SHAPE IRREGULARITIES OF SPECIAL APPURTENANCES.
13. WHERE A TRENCH CROSSES EXISTING PAVED AREAS OR ROADWAYS WHICH HAVE NOT BEEN SCHEDULED TO BE REPAVED ON THE DRAWINGS, THE PAVED AREA SHALL BE SAW CUT. RIPPING OF PAVEMENT FOR TRENCHES WITH EXCAVATION EQUIPMENT WILL NOT BE ALLOWED.
14. SATISFACTORY EXCAVATED MATERIALS SHALL BE STOCKPILED UNTIL REQUIRED FOR BACKFILL. STOCKPILES SHALL BE PLACED, GRADED AND SHAPED FOR PROPER DRAINAGE.
15. SOIL MATERIALS SHALL BE LOCATED AND RETAINED AWAY FROM EDGES OF EXCAVATIONS.
16. EXCESS AND/OR UNSATISFACTORY MATERIALS SHALL BE DISPOSED OF OFFSITE.
17. GENERAL: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
18. SATISFACTORY SOILS: ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUPS, FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, VEGETATION, AND OTHER DELETERIOUS MATTER.
19. UNSATISFACTORY SOILS: ASTM D2487 SOIL CLASSIFICATION GROUPS GC, SC, ML, MH, CL, CH, OL, OH AND PT, OR A COMBINATION OF THESE GROUPS. UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT AT TIME OF COMPACTION.
20. BACKFILL SHALL BE PLACED IN LAYERS NOT TO EXCEED TWELVE INCHES IN DEPTH AS MEASURED BEFORE COMPACTION. EACH LAYER SHALL BE COMPACTED TO AT LEAST THE MINIMUM PERCENTAGE OF A MODIFIED PROCTOR (ASTM D1557) SPECIFIED IN THE COMPACTON SCHEDULED IN PARAGRAPH 3.03.
21. IT IS THE INTENTION THAT THE FILL MATERIALS WITH RESPECT TO MOISTURE BE USED IN THE CONDITION THEY ARE EXCAVATED INSOFAR AS THIS IS PRACTICABLE MATERIAL WHICH IS TOO WET SHALL BE SPREAD ON THE FILL AREA AND PERMITTED TO DRY, ASSISTED BY HARROWING IF NECESSARY, UNTIL THE MOISTURE CONTENT IS REDUCED TO ALLOWABLE LIMITS.
22. UNSUITABLE AND SURPLUS EXCAVATED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED AND DISPOSED OF OFF SITE.
23. SUITABLE EXCAVATED MATERIAL MAY BE USED FOR FILL OR BACKFILL IF IT MEETS THESE SPECIFICATIONS.
24. REPAIR AND RE-ESTABLISH GRADES TO SPECIFIED TOLERANCES WHERE COMPLETED OR PARTIALLY COMPLETED SURFACES BECOME ERODED, RUTTED, SETTLED, OR WHERE THEY LOSE COMPACTION DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS OR WEATHER CONDITIONS.

NO.	DATE	REMARKS

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E. TARA L. BAMBER, P.E.  
NO. 69957

**CULVERT REPLACEMENT**  
**KERRY LANE AND F ROAD**  
**LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL**  
**DEMOLITION PLAN**

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DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
DECEMBER 5, 2024	KAK	KAK	ETLB	ACS

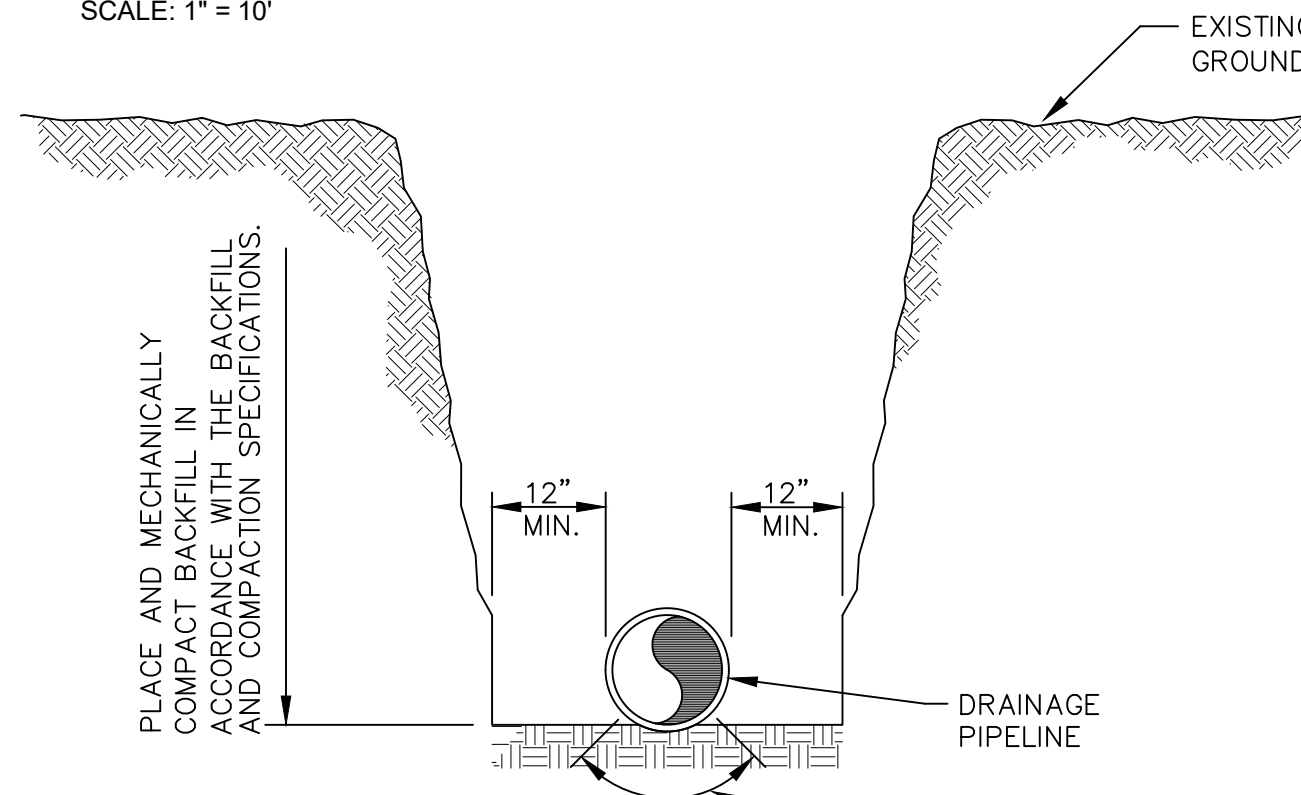
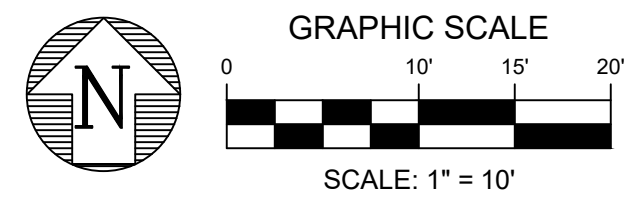
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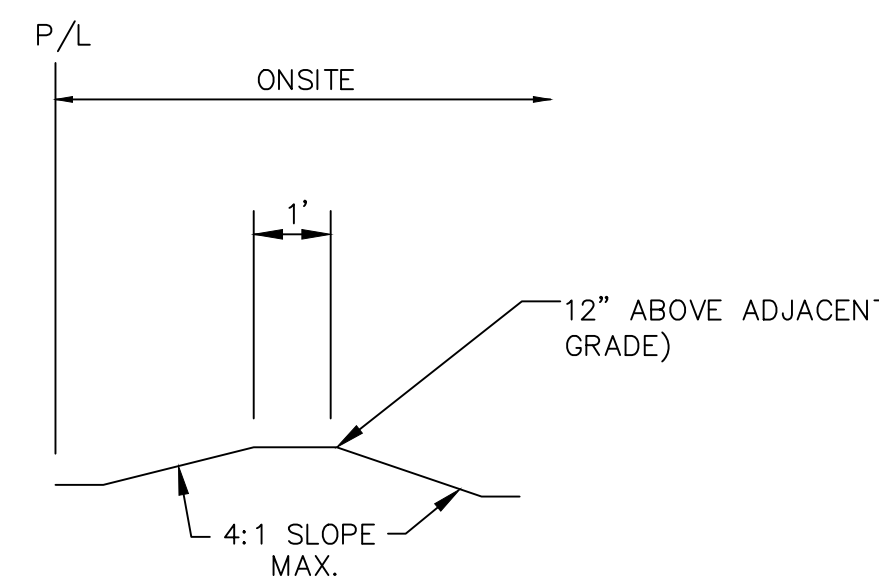
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**TRENCHING**  
NTS



**PERIMETER BERM DETAIL**  
NTS

**CONSTRUCTION PROCEDURES**

THE BACKFILL FOR THE FIRST AND SECOND STAGES SHALL BE PLACED IN 6" LIFTS (COMPACTED THICKNESS) AND SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

**STAGE 1:**  
THE CONTRACTOR SHALL PROVIDE ADEQUATE COMPACTED FILL BENEATH THE HAUNCHES OF THE PIPE, USING MECHANICAL TAMPS SUITABLE FOR THIS PURPOSE. THIS COMPACTOR APPLIES TO THE MATERIAL PLACED BENEATH THE HAUNCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED.

**STAGE 2:**  
THE CONTRACTOR SHALL OBTAIN A WELL-COMPACTED BED AND FILL ALONG THE SIDES OF THE PIPE AND TO A POINT INDICATING THE TOP OF SUB-GRADE MATERIAL.

**CONSTRUCTION NOTES**

- 1) BEDDING SHALL CONSIST OF (IN ORDER) GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8" - 7/8" SIZES WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNDESIRABLE SUBSTRATE MATERIALS SUCH AS ROCKS, CURBS AND LARGER ROCKS SHALL BE REMOVED.
- 2) REPAIRED BASE MATERIAL OVER DITCH SHALL BE TWO TIMES THE ORIGINAL BASE THICKNESS OR 24" MINIMUM, WHICHEVER IS GREATER. FOR THOROUGHFARE PLAN ROADS.
- 3) ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND BUTT-JOINED.
- 4) BASE MATERIAL (PER ROADWAY PRODUCTION DESIGN STANDARDS) SHALL BE PLACED IN TWO OR THREE LAYERS (6" MAX. PER LAYER) AND EACH LAYER THICKNESS ROLLED OR TAMPED TO THE SPECIFIED DENSITY.
- 5) SURFACE TRANSITION AREA (SEE PLANS FOR LOCATION)
- 6) 2" MINIMUM OF SP-12.5 ASPHALTIC CONCRETE WITH RC-70 PRIME COAT AT 0.10 GAL/SQ. YD.
- 7) PIPE SHALL BE PLACED IN A DRY TRENCH. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY DEWATERING PERMITS.

**GENERAL NOTES**

- A. ALL ROADWAY REPAIR WORK SHALL BE PERFORMED IN CONFORMANCE WITH APPLICABLE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- B. DENSITY TESTS SHALL BE TAKEN IN 1 FT LIFTS ABOVE THE PIPE AT INTERVALS OF 300 FT MAXIMUM (2 SETS MINIMUM, ONE ON EITHER SIDE OF ROAD CENTERLINE) OR AS DIRECTED BY THE TOWN ENGINEER. RESULTS SHALL BE SUBMITTED TO THE TOWN AS PART OF THEIR CLOSURE REVIEW.
- C. ENGINEER-OF-RECORD WILL PROVIDE FULL-TIME INSPECTION DURING THE ENTIRETY OF THE OPEN-CUT OPERATION, BEGINNING WITH THE EXCAVATION AND CONTINUING THROUGH THE COMPLETION OF THE PAVING.
- D. IF THE PAVEMENT IS NOT COMPLETELY RESTORED IMMEDIATELY FOLLOWING THE OPEN CUT, A SMOOTH TEMPORARY PATCH (MINIMUM 12" ASPHALT) SHALL BE INSTALLED, PROPERLY MATCHING THE EXISTING GRADING OF THE ROADWAY. THE TEMPORARY PATCH SHALL BE ALLOWED TO REMAIN IN PLACE AND BE MAINTAINED FOR A PERIOD NO LONGER THAN 45 DAYS. THE TOWN RETAINS THE RIGHT TO USE POSTED SURETY TO COMPLETE ANY RESTORATION WORK THAT HAS NOT BEEN COMPLETED IN THE 45 DAY PERIOD. ALTERNATIVE TEMPORARY PATCH PROTECTION (STEEL PLATES OR OTHERS) MAY BE APPROVED BY THE TOWN ENGINEER.
- E. APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUIT IN THE TOWN'S RIGHT-OF-WAY. INSTALL TAPE 24" BELOW FINISHED GRADE.
- F. CONTINUOUS 4" WIDE PAINT STRIPING IS REQUIRED FOR DFP/CCP WATER MAINS (BLUE), DFP SANITARY MAINS (GREEN), CIP RECLAIMED WATER MAINS (PURPLE), GAS MAINS (YELLOW), OR AS REQUIRED BY THE APWA.

**PROPOSED LEGEND**

- ASPHALT
- SAND CEMENT RIP-RAP
- ROCK RIP-RAP
- EXISTING HORSE TRAIL
- TRAFFIC SIGN
- FLOATING TURBIDITY BARRIER

**GENERAL NOTES:**

1. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TO CONVERT TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29) ADD 1.48' TO NAVD 88 ELEVATION.
2. FINISHED GRADES SHALL MATCH EXISTING, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL RESTORE DISRUPTIONS TO SERVICES OR ACCESSIBILITY WITHIN 48 HOURS.
4. TOPOGRAPHIC SURVEY PERFORMED BY ENGENUITY GROUP, INC. ON DECEMBER 11, 2023
5. ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL LOXAHATCHEE GROVES WATER CONTROL DISTRICT, TOWN OF LOXAHATCHEE GROVES, AND FDOT STANDARDS.
6. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO ORIGINAL CONDITION OR BETTER. ALL RESTORATION WORK SHALL MEET THE REQUIREMENTS OF THE TOWN OF LOXAHATCHEE GROVES.
7. MAINTAIN TRAFFIC THROUGH THE WORK AREA IN ACCORDANCE WITH INDEX 600, 602 AND 603 (AS APPLICABLE) OF THE FDOT STANDARDS. NOT MORE THAN ONE-HALF OF THE ROAD CAN BE CLOSED TO TRAFFIC DURING DAYLIGHT HOURS. THE ENTIRE ROAD WIDTH SHALL BE OPEN TO TRAFFIC AT NIGHT. CONTRACTOR SHALL PROVIDE THE TOWN OF LOXAHATCHEE GROVES A MINIMUM OF 1 WEEK NOTICE FOR LANE CLOSURES.

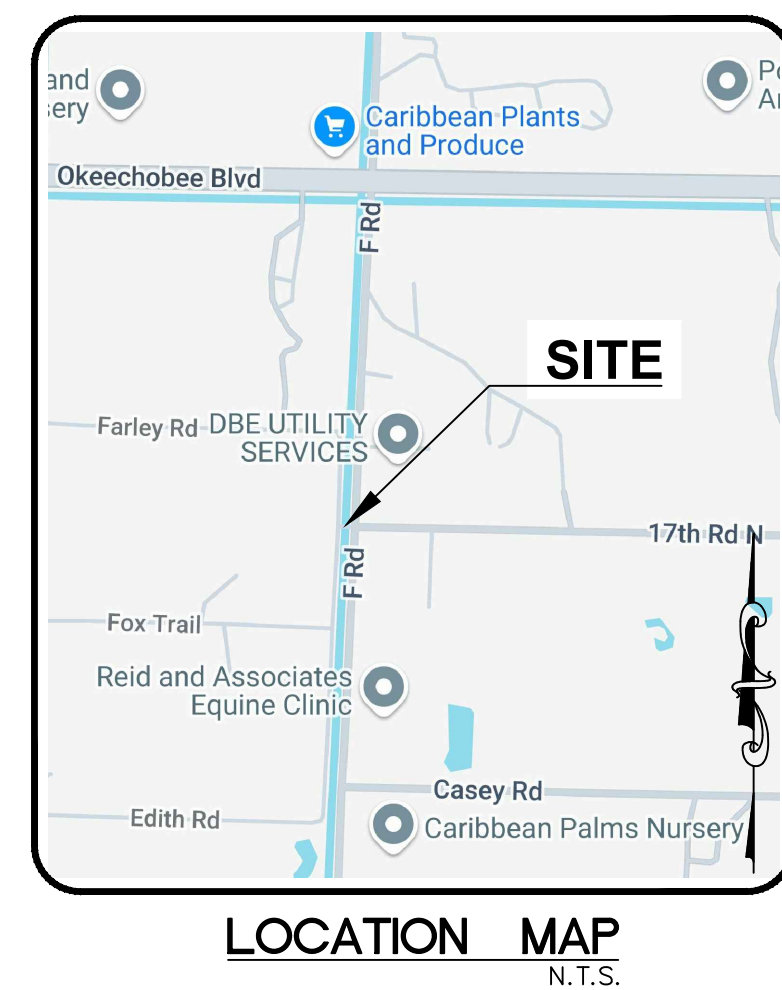
**DRAINAGE:**

1. PIPE SHALL BE PROTECTED DURING STORAGE AND HANDLING AGAINST IMPACT SHOCKS AND FREE FALL. PIPE SHALL BE KEPT CLEAN AT ALL TIMES.
2. ALL PIPE SHALL BE CAREFULLY INSTALLED STARTING AT THE LOWEST END, WITH HUBS UPGRADE AND TONGUE END FULLY ENTERED INTO THE HUB.
3. ANY PIPE THAT IS NOT IN TRUE ALIGNMENT OR WHICH SHOWS ANY SETTLEMENT AFTER INSTALLATION SHALL BE TAKEN UP AND RE-INSTALLED AT NO ADDITIONAL COST TO OWNER.
4. PLACE PLUGS IN ENDS OF UNCOMPLETED PIPE AT END OF DAY OR WHENEVER WORK STOPS.
5. RUBBER GASKETS FOR CONCRETE PIPE JOINTS SHALL MEET THE REQUIREMENTS OF THE 2007 EDITION OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 942. THE GASKET AND THE SURFACE OF THE PIPE JOINT, INCLUDING THE GASKET RECESS, SHALL BE CLEAN AND FREE FROM GRIT, DIRT, AND OTHER FOREIGN MATTER AT THE TIME THE JOINTS ARE MADE.
6. PIPE SHALL BE SET FIRMLY, ACCORDING TO THE LINES AND GRADE; AND PREPARATORY TO MAKING JOINTS, ALL SURFACES OF THE PORTION OF THE PIPE TO BE JOINTED SHALL BE THOROUGHLY CLEANED. THE PIPE SHALL BE LAID WITH THE GROOVE UPSTREAM. A SHALLOW EXCAVATION SHALL BE MADE UNDERNEATH THE PIPE AT THE JOINT.
7. IMMEDIATELY PRIOR TO INSTALLATION OF CONCRETE PIPE, THE ENTIRE INTERIOR OF THE GROOVE OF THE PIPE ALREADY INSTALLED, AND THE RUBBER GASKET OF THE PIPE TO BE INSTALLED SHALL BE COATED WITH AN APPROVED VEGETABLE SOAP LUBRICANT. THE GROOVE AND SPIGOT ENDS SHALL BE CLEANED PRIOR TO APPLICATION OF THE LUBRICANT. THE PIPE SHALL THEN BE ALIGNED WITH THE PREVIOUSLY INSTALLED PIPE AND THE JOINT PULLED TOGETHER. THE JOINT SHALL BE PULLED BY THE USE OF INTERIOR OR EXTERIOR PULL JACKS OR WINCHES, ANCHORED BY SUITABLE MEANS. THE CHOICE OF METHOD AND TYPE OF EQUIPMENT WILL DEPEND ON TRENCH CONDITIONS, TYPE AND SIZE OF PIPE, AND ITS ABILITY TO PROPERLY SEAT THE GASKET. IF, WHILE MAKING THE JOINT, THE GASKET BECOMES LOOSE AND CAN BE SEEN THROUGH THE EXTERIOR JOINT RECESS WHEN THE JOINT IS PULLED UP TO WITHIN ONE INCH (1") OF CLOSURE, THE PIPE SHALL BE REMOVED AND THE JOINT REMADE.
8. WHEN SHOWN ON THE DRAWINGS, SEAL THE ENDS OF THE PIPE WITH A MASONRY PLUG A MINIMUM OF 8 INCHES IN THICKNESS.
9. INSTALL FILTER FABRIC JACKET AROUND THE FIRST JOINT OF ALL PIPE ENTERING OR LEAVING A DRAINAGE STRUCTURE AND AT ALL CONCRETE PIPE JOINTS. USE A FILTER FABRIC JACKET CONSISTING OF A PIECE OF WOVEN OR NON-WOVEN FILTER FABRIC WHICH PROVIDES AN APPARENT OPENING SIZE OF A NO. 70 TO NO. 100 SIEVE, 24 INCHES IN WIDTH AND A LENGTH SUFFICIENT TO PROVIDE A MINIMUM OVERLAP OF 24 INCHES. SECURE THE FILTER FABRIC JACKET AGAINST THE OUTSIDE OF THE CONCRETE PIPE BY STEEL OR PLASTIC STRAPPING.
10. CORRUGATED POLYETHYLENE PIPE  
A. AASHTO M294, TYPE S SMOOTH WALL INTERIOR. CORRUGATIONS MAY ONLY BE ANNULAR. BELL AND SPIGOT JOINTS WITH A GASKET MEETING ASTM F477. WHEN PERFORATED PIPE IS SPECIFIED ON THE DRAWINGS, THE PERFORATIONS SHALL CONFORM TO THE REQUIREMENTS OF CLASS 1.
12. TRENCHES ARE TO BE DRY WHILE THE PIPE IS BEING LAID.
13. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND SECURING THE EXISTING DRAINAGE OUTFALLS DURING AND AFTER CONSTRUCTION.

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

**OPEN CUT PIPE INSTALLATION FOR TOWN ROADS**  
**(LOXAHATCHEE GROVES RIGHT-OF-WAY)**  
NTS

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E. TARA L. BAMBER, P.E.  
NO. 69957

**CULVERT REPLACEMENT**  
**KERRY LANE AND F ROAD**  
**LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL**  
**ENGINEERING PLAN**

A Higher Standard of Excellence  
**engenuity group inc.**  
ENGINEERS • SURVEYORS • GEOTECHNICAL ENGINEERS  
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PH: (561) 955-1151 • FAX: (561) 953-9390  
WWW.ENGENUITYGROUP.COM CERTIFICATE OF AUTHORIZATION #7095

DATE	DRAWN	PROJECT ENGINEER	PROJECT MANAGER	CHECKED
DECEMBER 5, 2024	KAK	KAK	ETLB	ACS

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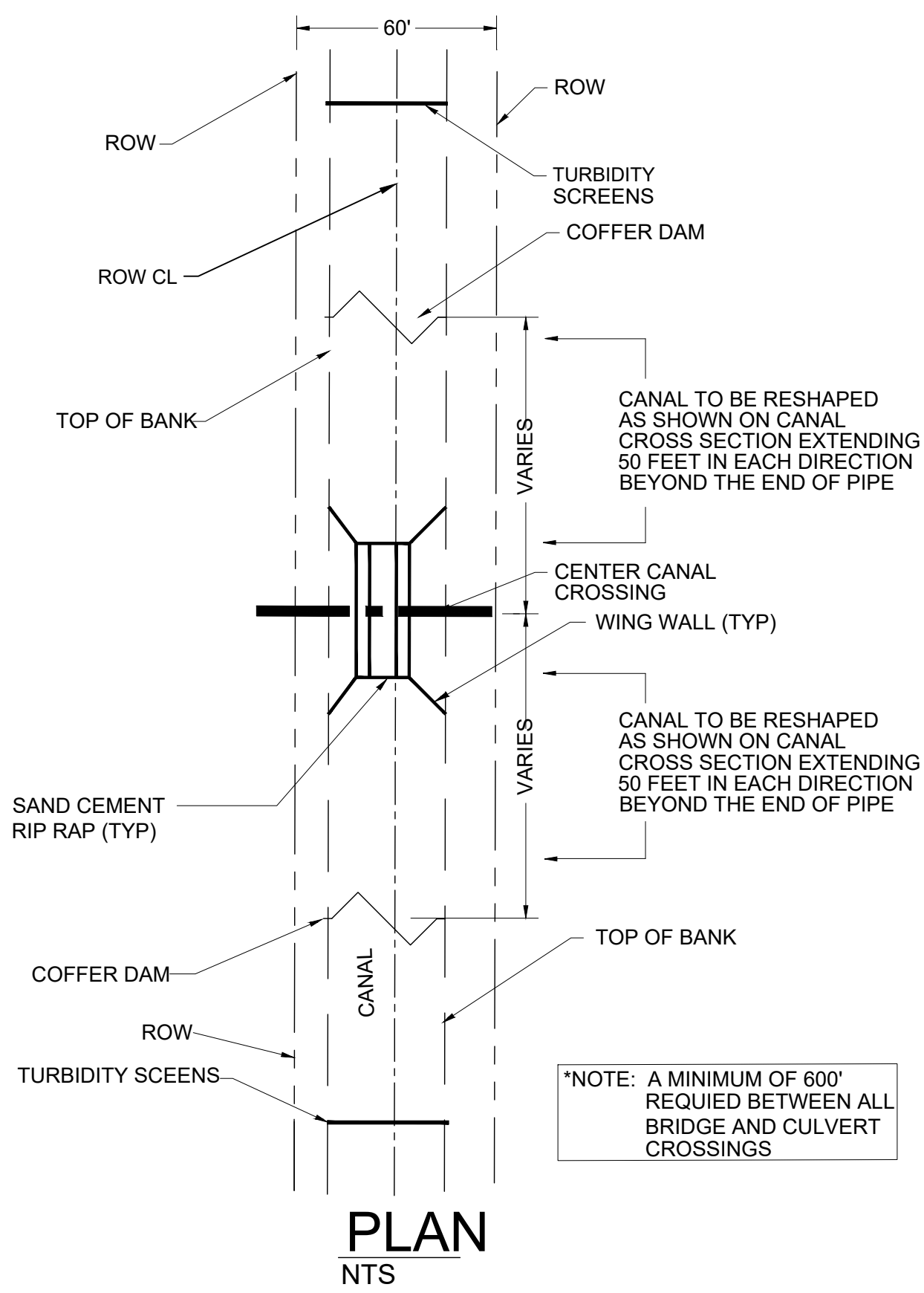
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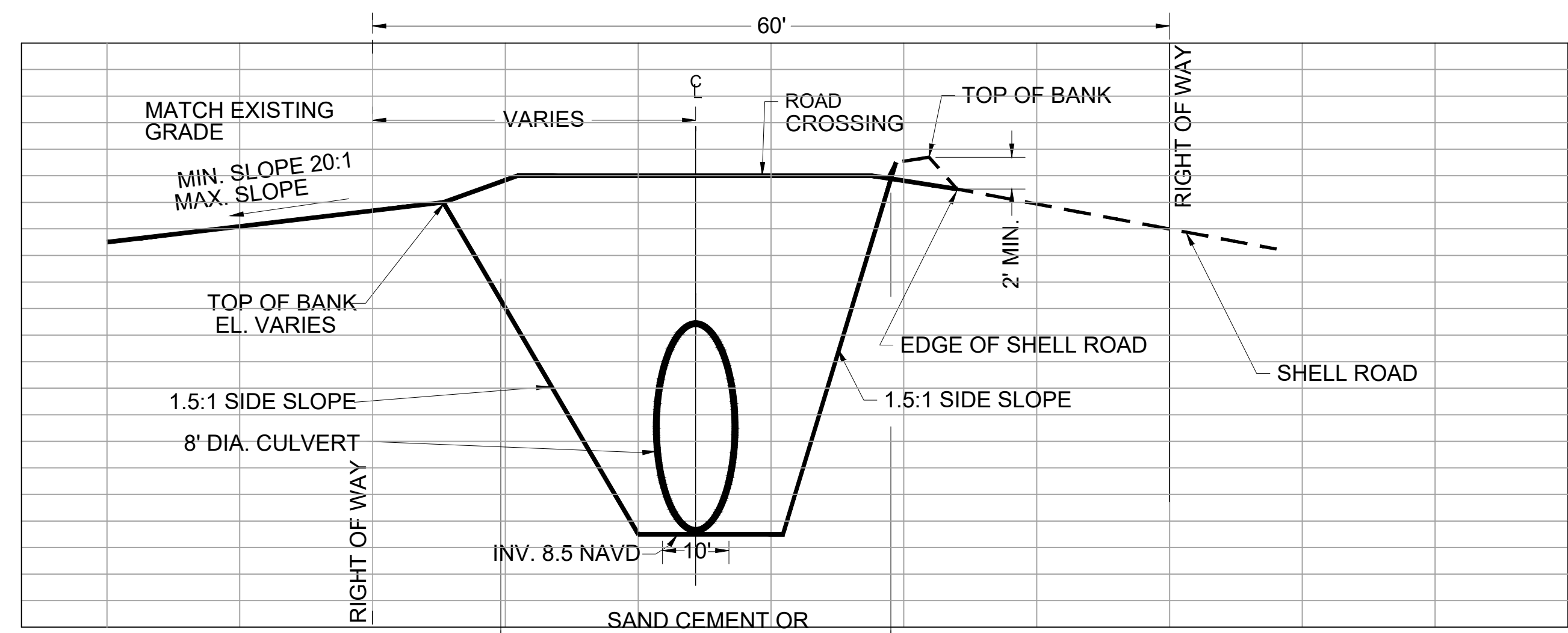


**GENERAL NOTES:**

- CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL NECESSARY PRECAUTIONS NECESSARY TO AVOID THE MONUMENTS DURING CONSTRUCTION. IS A MONUMENT IS DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE MONUMENT AT NO ADDITIONAL COST TO THE OWNER OR THE DISTRICT.
- ALL UNSUITABLE MATERIAL SUCH AS MUCK, MARL, AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER. CLEAN GRANULAR FILL MATERIAL SHALL BE USED FOR BACKFILL AND PLACED IN 12 INCH LIFTS OR LESS AS REQUIRED BY COMPACTION. COMPACTION OF BACKFILLS TO BE 95% OF THE MAXIMUM DENSITY PER AASHTO T-180.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE GENERAL PUBLIC. DRAWING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE SIGNS, BARRICADES, AND FLAGMEN AS NECESSARY FOR TRAFFIC SAFETY, DURING CONSTRUCTION.
- ALL CONCRETE SHALL BE A MINIMUM OF 3,000 PSI UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL COMPLY WITH ALL OF THE SAFETY REQUIREMENTS OF THE TRENCH, DRAIN SAFETY ACT, DRAWING INSTALLATION OF THE CULVERT CANAL CROSSING.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PERMIT CONDITIONS AS ISSUED BY THE LOXAHATCHEE GROVES WATER CONTROL DISTRICT AND OTHER GOVERNMENT AGENCIES
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF ANY TEST TO ARRANGE FOR THE WATER CONTROL DISTRICT TO HAVE A REPRESENTATIVE PRESENT, IF REQUIRED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE FOR INSPECTIONS OF THE CONSTRUCTION
- CONTRACTOR TO PROVIDE SILT SCREENS OR OTHER ENVIRONMENTAL MEASURES TO CONTROL TURBIDITY TO STATUTORY/REGULATORY LEVELS IN THE CANAL UP AND DOWNSTREAM DURING CONSTRUCTION
- CONTRACTOR TO PROVIDE D. O. T. APPROVED LIME ROCK FOR ROAD CROSSING.
- CONTRACTOR TO DIG CANAL TO NEW SECTION 450 LF IN EACH DIRECTION FROM END OF CULVERT PIPE
- ALL AREAS DISTURBED DRAWING CONSTRUCTION ALONG CANAL, INCLUDING MAINTENANCE EASEMENT AND CANAL BANKS, TO BE SEATED AND MULCHED PER DOT SPECIFICATIONS.
- CONTRACTOR TO MAINTAIN WATER FLOW BY MEANS OF A BYPASS DRAWING INSTALLATION OF THE CULVERT, UNLESS OTHERWISE DIRECTED BY THE DISTRICT. THIS BYPASS MUST BE APPROVED BY LOXAHATCHEE GROVES WATER CONTROL DISTRICT PRIOR TO BEGINNING CONSTRUCTION.
- ALL CORRUGATED STIFF PIPE COUPLING BANDS SHALL CONFORM TO AASHTO M 36 SPECIFICATION
- ALL CORRUGATED STEEL PIPE SHALL BE BITUMINOUS COATED IN ACCORDANCE WITH THE REQUIREMENTS AASHTO M190, FOR TYPE A (FULLY BITUMINOUS COATED)
- WHERE ALUMINUM PIPE IS USED, IF BITUMINOUS COATED, IT SHALL MEET THE AASHTO SPACE M190 TYPE A, SPECIFICATION FOR BITUMINOUS COATING
- REINFORCED CONCRETE PIPE (RCP) PARENTHESES SHALL CONFORM TO THE FDOT SECTION 941 OF THE LATEST STANDARD SPECIFICATIONS
- MAINTENANCE SIDE OF CANAL TO BE SLOPED AT 20:1 MIN. / 8:1 MAX. AWAY FROM TOP OF BANK.
- ALL GROUND VEGETATION AND TREES WITHIN RIGHT OF WAY AND MAINTENANCE EASEMENT TO BE REMOVED FOR ENTIRE LENGTH OF PROPERTY FRONTAGE
- PERMIT TO HAVE A REGISTERED LAND SURVEYOR PROVIDE CROSS SECTIONS OF CANAL AND ROADWAY FOR PRE- AND POST- CONSTRUCTION AND AS-BUILTS
- PERMIT TO HAVE A REGISTERED ENGINEER DESIGN AND PROVIDE SIGNED AND SEALED DRAWINGS FOR THE CULVERT CROSSING
- PERSONS INSTALLING CULVERTS OR BRIDGES WITHOUT A DISTRICT PERMIT WILL BE SUBJECT TO A DOUBLE PERMIT FEE AND MUST FIELD VERIFY, TO THE DISTRICT ENGINEER'S SATISFACTION THAT THE UNIFORM STANDARDS HAS BEEN MET. WORK NOT MEETING THE DISTRICT'S UNIFORM STANDARDS SHALL BE REMOVED FROM THE RIGHT OF WAY.

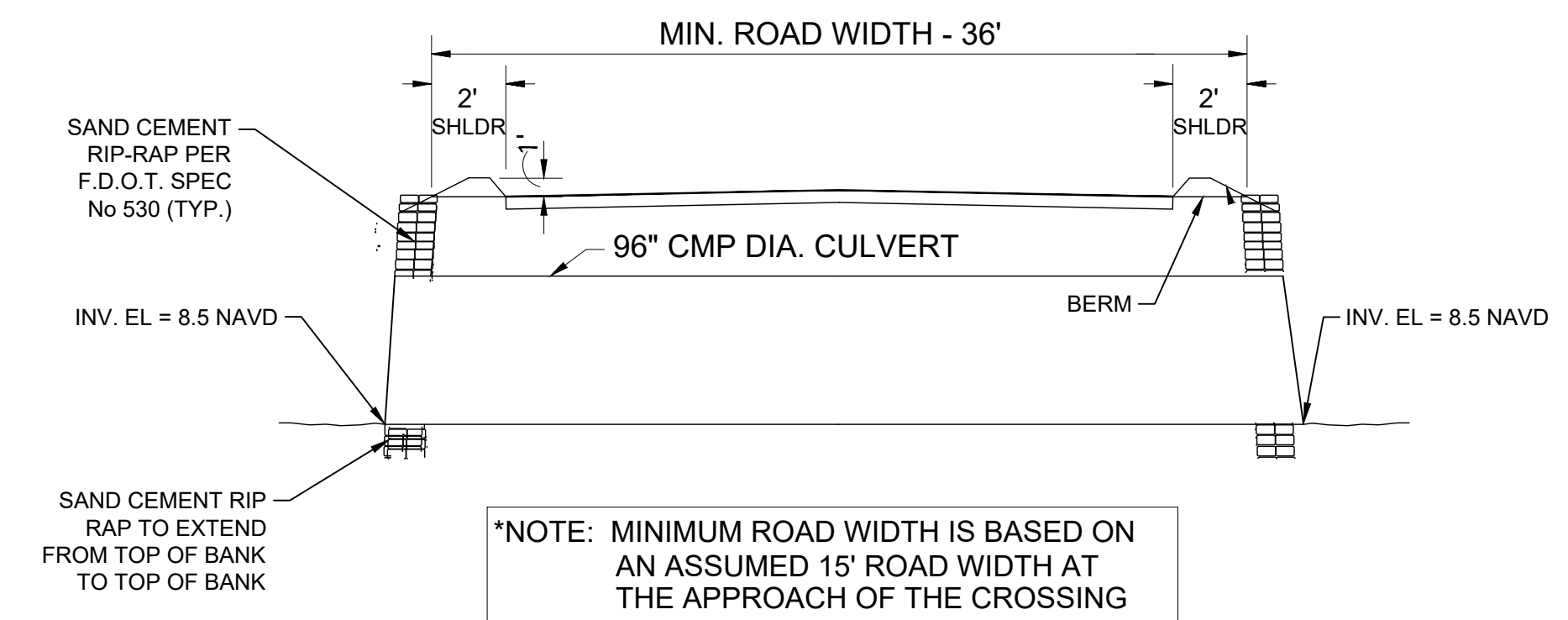


**PLAN**  
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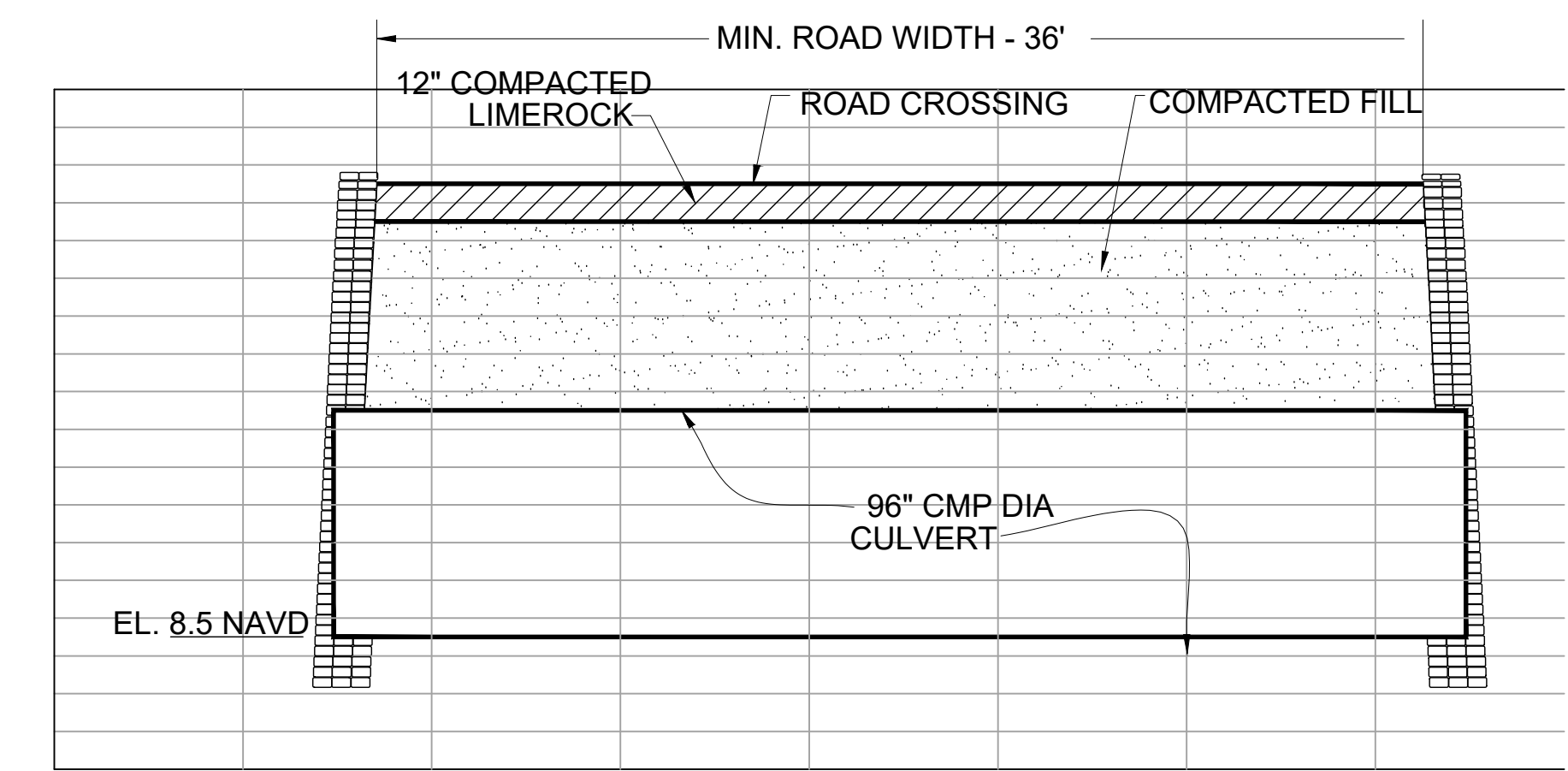


**CANAL CROSS SECTION**  
NTS

- NOTES:**
- SAND CEMENT RIP RAP CONSTRUCTION TO FOLLOW FDOT'S STANDARD INDEX SHEET FOR TYPE OF PIPE.
  - BARS TO BE DRIVEN ONE INCH BELOW THE SURFACE OF THE BAG.
  - WET RIP RAP BAGS AS ENDWALL IS CONSTRUCTED.
  - EXTEND RIP-RAP AROUND RADIUS OF BERM TO PREVENT EROSION.



**SAND CEMENT RIP - RAP CROSS SECTION**  
NTS



**SAND CEMENT RIP - RAP CROSS SECTION**  
NTS

**CULVERT CROSSINGS  
SOUTH OF  
OKEECHOBEE BOULEVARD**

**ADOPTED  
FEBRUARY 10, 2003**



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NO. 69957

**CULVERT REPLACEMENT  
KERRY LANE AND F ROAD  
LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL**  
DETAILS

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DATE	DRAWN	KAK	PROJECT ENGINEER	KAK	PROJECT MANAGER	ETLB	CHECKED	ACS
DECEMBER 5, 2024	KAK	KAK	ETLB	ACS				

J:\Land Projects\2022\138.121 Kerry Ln @ F Road\DWG\22138.121 ENG.dwg DATE: 12/16/2024 10:50 AM  
JOB NO. 22138.121  
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155 F Road Loxahatchee Groves, FL 33470

## **Project Scope: Folsom Road & 25<sup>th</sup> Street North Culvert Replacement**

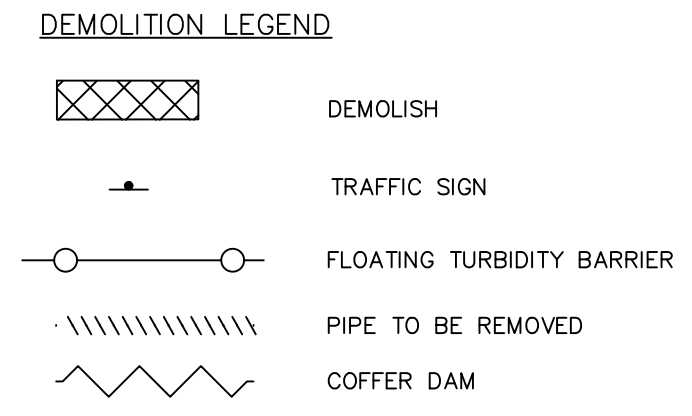
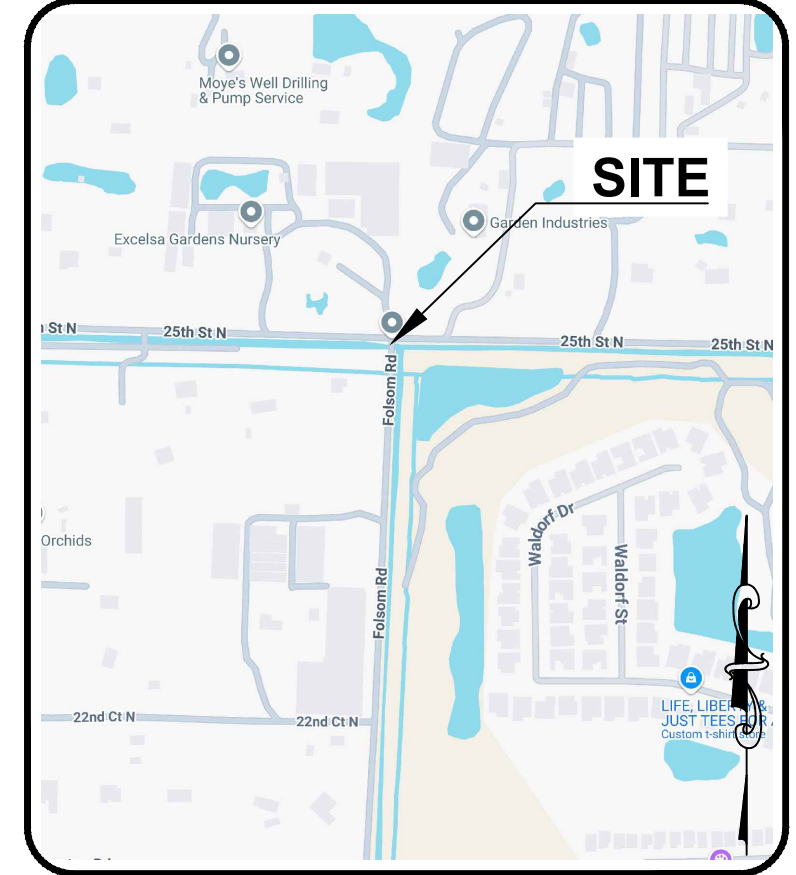
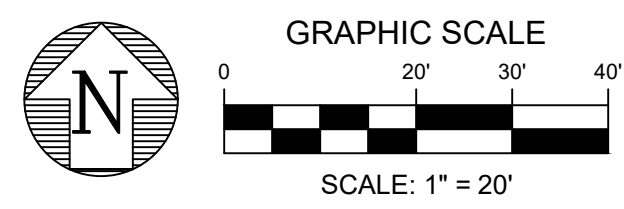
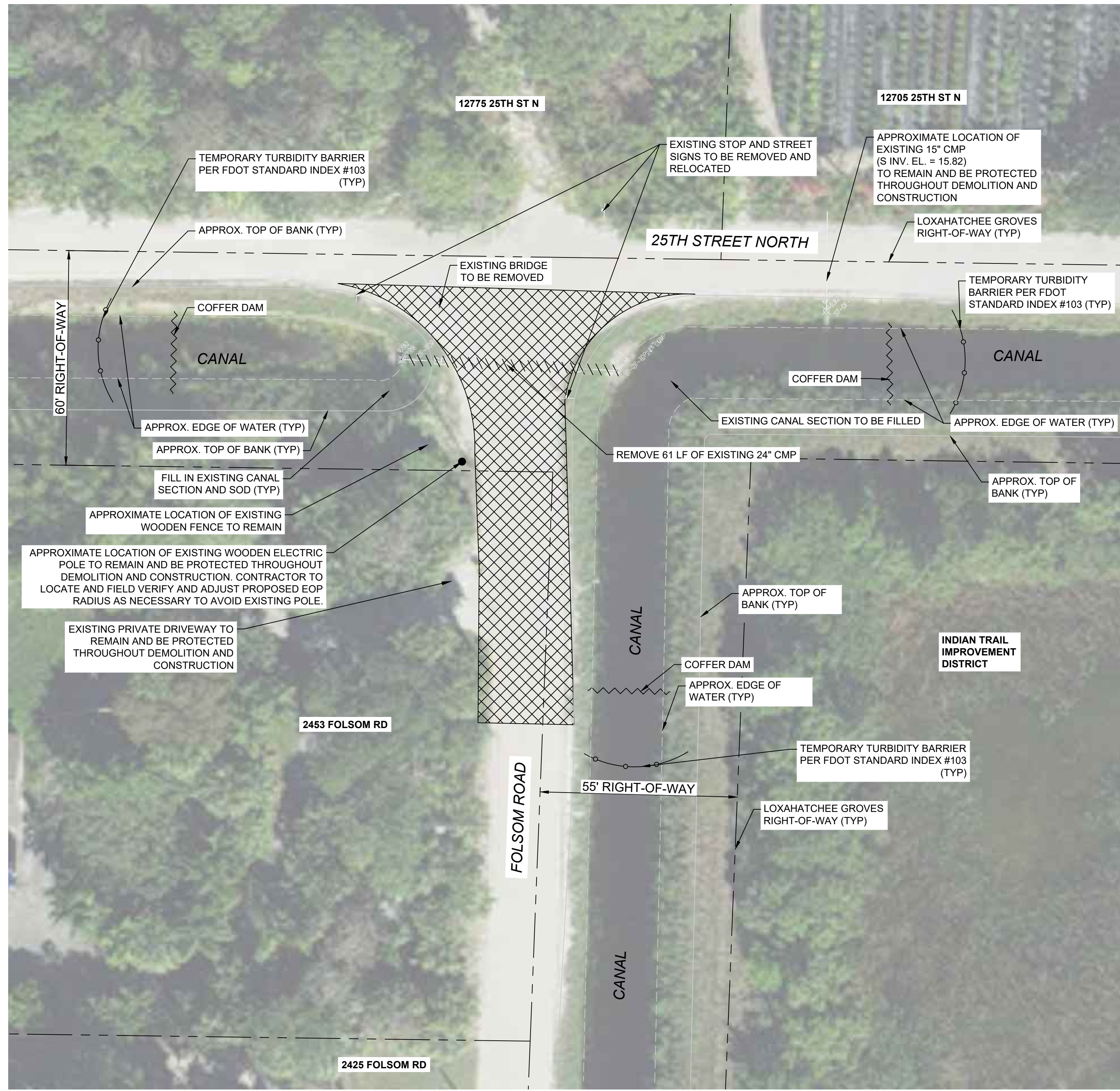
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The objective of the project is to replace the culvert at Folsom Rd and 25<sup>th</sup> St. North and construction a Town maintenance road across the Folsom Rd Canal.

Work to be performed:

1. Removal of subgrade crossing and 61 LF of 24" CMP. Demolition includes install of 3 culvert dams and 3 turbidity barriers.
2. Protection of an existing private outfall pipe crossing 25<sup>th</sup> St N, east of Folsom Rd.
3. Installation of 100 LF of 48" ABS culvert crossing Folsom Rd and a 40 LF 48" ABS culvert. The two culverts will be connected with a tee at the northeast corner of Folsom Rd.
4. Three canal banks to be regraded with sand cement rip-rap and rubble rock rip-rap 20' from the end wall and reshaped per detail extending 50' from culvert.
5. Construction of new 15 LF crossing east of Folsom St. over the 40 LF, 48" culvert for Town maintenance only. Fence to be installed along the crossing per the plans.
6. Widening of Folsom St. and 25 St. N. intersection. Roadway will be subgrade per the existing condition. Small portion of the existing canal banks to be filled.
7. Contractor to restore all areas disturbed to original condition or better, including sod and stop and street name signs.

The Contractor shall be responsible for all construction and restoration in accordance with the approved plans and specifications, scheduling all inspections deemed necessary with the Town of Loxahatchee Groves and the EOR for project certification purposes, and maintaining all stormwater pollution prevention measures for the project.



**DEMOLITION:**

1. EDGE OF WATER, TOP OF BANK, EDGE OF PAVEMENT, ETC., ARE APPROXIMATE. DRAWN BASED ON AERIAL IMAGES OF THE SITE AND SHALL BE LOCATED AND FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. ALERT ENGINEER OF RECORD IF ANY DISCREPANCIES ARE FOUND.
2. CONTRACTOR SHALL OBTAIN A "DEWATERING GENERAL WATER USE PERMIT" FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT PRIOR TO COMMENCING DEWATERING UNLESS THE WORK QUALIFIES FOR A "NO-NOTICE" AUTHORIZATION AS DESCRIBED IN RULE 40E-20.302(3) OF THE FLORIDA ADMINISTRATIVE CODE.
3. IF ENGINEER HAS ALREADY OBTAINED A DEWATERING PERMIT, CONTRACTOR SHALL BE RESPONSIBLE FOR EITHER FOLLOWING THE PERMIT REQUIREMENTS, OR REVISING THE PERMIT WITH SFWMD TO CONFORM WITH CONTRACTOR'S PLANNED MEANS AND METHODS FOR THE DEWATERING.
4. CONTRACTOR SHALL LOCATE EXISTING UNDERGROUND UTILITIES IN THE AREA OF THE WORK AS CONSTRUCTION PROCEEDS. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION.
5. SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, NOTIFY THE ENGINEER IMMEDIATELY. COOPERATE WITH RESPONSIBLE UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION.
6. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE RESPECTIVE UTILITY OWNER.
7. CONTRACTOR SHALL SUSTAIN IN THEIR PLACES AND PROTECT FROM DIRECT OR INDIRECT INJURY ALL PIPES, POLES, UTILITIES, WALLS, BUILDINGS, AND OTHER STRUCTURES OR PROPERTY IN THE VICINITY OF WORK, WHETHER ABOVE OR BELOW THE GROUND, OR THAT MAY APPEAR IN THE TRENCH. CONTRACTOR SHALL TAKE ALL RISKS ATTENDANT TO THE PRESENCE OR PROXIMITY OF PIPES, POLES, WALLS, BUILDINGS, AND OTHER STRUCTURES AND PROPERTY, OF EVERY KIND AND DESCRIPTION, IN OR OVER HIS TRENCHES, EXCAVATIONS OR IN THE VICINITY OF HIS WORK, WHETHER ABOVE OR BELOW THE GROUND AND SHALL BE RESPONSIBLE FOR ALL DAMAGE AND ASSUME ALL EXPENSE FOR DIRECT OR INDIRECT INJURY, CAUSED BY HIS WORK, TO ANY OF THEM, OR TO ANY PERSON OR PROPERTY BY REASON OF INJURY TO THEM, WHETHER SUCH STRUCTURES ARE OR ARE NOT SHOWN ON THE DRAWINGS.
8. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, BENCHMARKS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EXCAVATING OPERATIONS.
9. PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION OR DISPLACEMENT OF SOILS AND DISCHARGE OF SOIL BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.
10. WHEN EXCAVATIONS EXCEED 5 FEET IN DEPTH, CONTRACTOR SHALL MEET THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S EXCAVATION SAFETY STANDARDS 29 C.F.R.S. 1926.650, SUBPART P.
11. MATERIAL BELOW SUBGRADE DEEMED UNSUITABLE SHALL BE REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL.
12. EXCAVATION IN THE VICINITY OF ADJACENT FACILITIES SHALL BE PERFORMED BY MEANS THAT WILL NOT DAMAGE THE FACILITIES. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE FACILITY'S OWNER AT NO ADDITIONAL COST TO OWNER.
13. TRENCH BOTTOM SHALL BE SHAPED TO CONFORM TO PIPE BELLS OR OTHER SHAPE IRREGULARITIES OF SPECIAL APURTENANCES.
14. WHERE A TRENCH CROSSES EXISTING PAVED AREAS OR ROADWAYS WHICH HAVE NOT BEEN SCHEDULED TO BE REPAVED ON THE DRAWINGS, THE PAVED AREA SHALL BE SAW CUT, RIPPING OF PAVEMENT FOR TRENCHES WITH EXCAVATION EQUIPMENT WILL NOT BE ALLOWED.
15. SATISFACTORY EXCAVATED MATERIALS SHALL BE STOCKPILED UNTIL REQUIRED FOR BACKFILL. STOCKPILES SHALL BE PLACED, GRADED AND SHAPED FOR PROPER DRAINAGE.
16. SOIL MATERIALS SHALL BE LOCATED AND RETAINED AWAY FROM EDGES OF EXCAVATIONS.
17. EXCESS AND/OR UNSATISFACTORY MATERIALS SHALL BE DISPOSED OF OFFSITE.
18. GENERAL: PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
19. SATISFACTORY SOILS: ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, SW, SP, AND SM, OR A COMBINATION OF THESE GROUPS, FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, VEGETATION, AND OTHER DELETERIOUS MATTER.
20. UNSATISFACTORY SOILS: ASTM D2487 SOIL CLASSIFICATION GROUPS GC, SC, ML, MH, CL, CH, OL, OH AND PT, OR A COMBINATION OF THESE GROUPS. UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT AT TIME OF COMPACTION.
21. BACKFILL SHALL BE PLACED IN LAYERS NOT TO EXCEED TWELVE INCHES IN DEPTH AS MEASURED BEFORE COMPACTION. EACH LAYER SHALL BE COMPACTED TO AT LEAST THE MINIMUM PERCENTAGE OF A MODIFIED PROCTOR (ASTM D1557) SPECIFIED IN THE COMPACTION SCHEDULED IN PARAGRAPH 3.03.
22. IT IS THE INTENTION THAT THE FILL MATERIALS WITH RESPECT TO MOISTURE BE USED IN THE CONDITION THEY ARE EXCAVATED INsofar AS THIS IS PRACTICABLE. MATERIAL WHICH IS TOO WET SHALL BE SPREAD ON THE FILL AREA AND PERMITTED TO DRY, ASSISTED BY HARROWING IF NECESSARY, UNTIL THE MOISTURE CONTENT IS REDUCED TO ALLOWABLE LIMITS.
23. UNSUITABLE AND SURPLUS EXCAVATED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED AND DISPOSED OF OFF SITE.
24. SUITABLE EXCAVATED MATERIAL MAY BE USED FOR FILL OR BACKFILL IF IT MEETS THESE SPECIFICATIONS.
25. REPAIR AND RE-ESTABLISH GRADES TO SPECIFIED TOLERANCES WHERE COMPLETED OR PARTIALLY COMPLETED SURFACES BECOME ERODED, RUTTED, SETTLED, OR WHERE THEY LOSE COMPACTION DUE TO SUBSEQUENT CONSTRUCTION OPERATIONS OR WEATHER CONDITIONS.

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

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E. TARA L. BAMBER, P.E.  
NO. 69957

**CULVERT REPLACEMENT  
FOLSOM ROAD AND 25TH STREET  
LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL  
DEMOLITION AND EROSION CONTROL PLAN**

A Higher Standard of Excellence  
**engenuity inc.**  
CORPORATE - SUITE 101  
1280 N. CONGRESS AVE., SUITE 101  
WEST PALM BEACH, FLORIDA 33409  
PH: (561) 955-1151 • FAX: (561) 953-9390  
WWW.ENGENUITYGROUP.COM CERTIFICATE OF AUTHORIZATION #7095

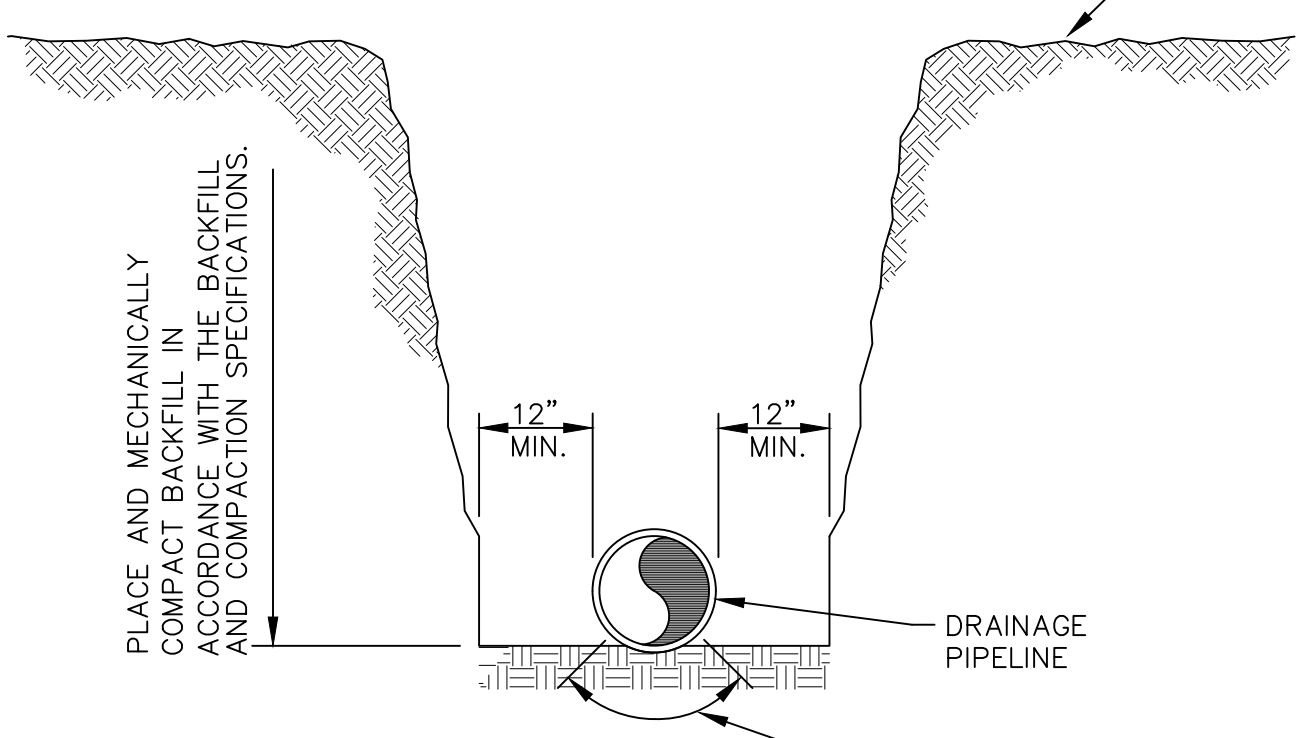
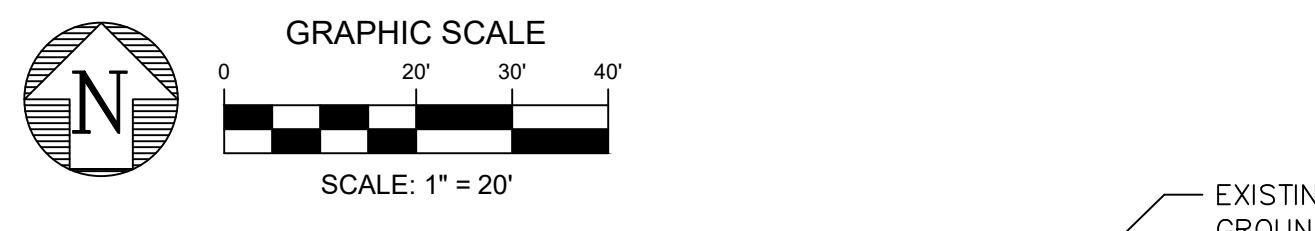
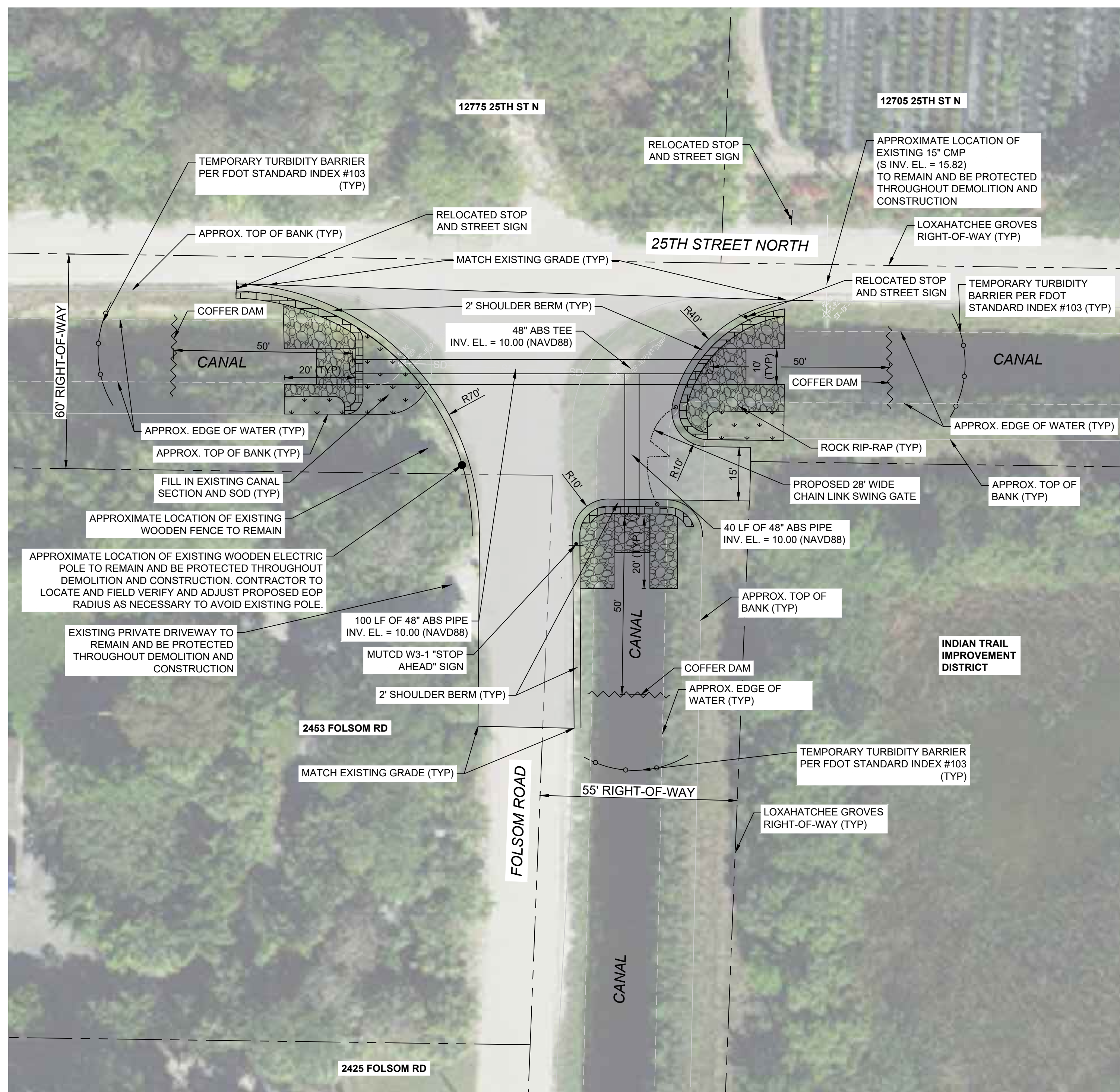
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JANUARY 9, 2025	KAK	KAK	ETLB	ACS

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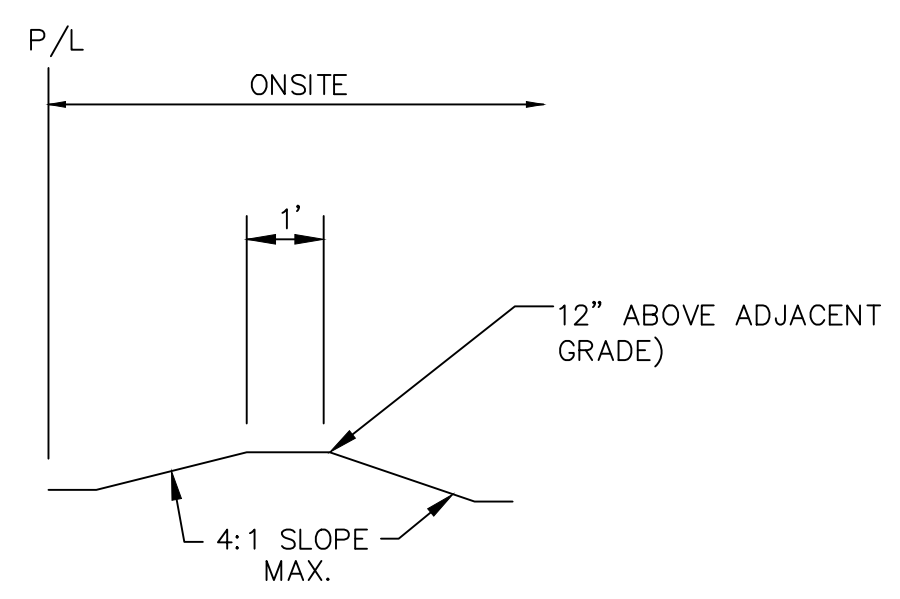
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Page 48 of 68





**TRENCHING**  
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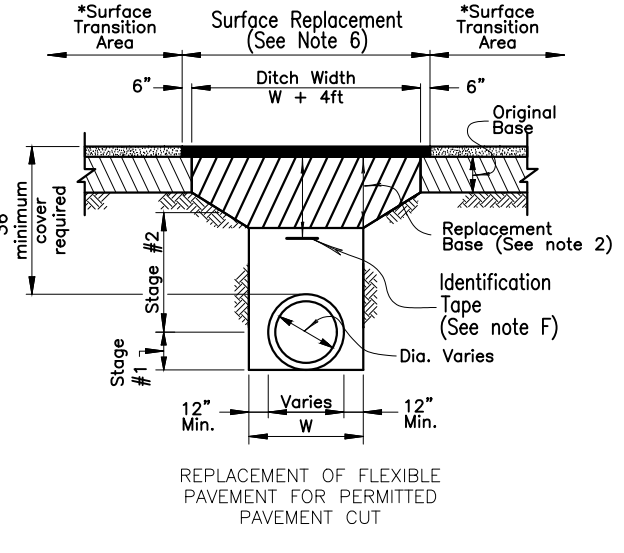
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**CONSTRUCTION PROCEDURES**

THE BACKFILL FOR THE FIRST AND SECOND STAGES SHALL BE PLACED IN 4" LIFTS (COMPACTED THICKNESS) AND SHALL BE COMPACTED TO SIDE OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

**STAGE 1:**  
THE CONTRACTOR SHALL PROVIDE ADEQUATE COMPACTED FILL BENEATH THE MANCHES OF THE PIPE, USING MECHANICAL TAMPS SUITABLE FOR THIS PURPOSE. THIS COMPACTION APPLIES TO THE MATERIAL PLACED BENEATH THE MANCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED.

**STAGE 2:**  
THE CONTRACTOR SHALL OBTAIN A WELL-COMPACTED BED AND FILL ALONG THE SIDES OF THE PIPE AND TO A POINT INDICATING THE TOP OF SUB-GRADE MATERIAL.



**CONSTRUCTION NOTES**

- 1) BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED LIMEROCK 3/8" - 7/8" SIZING WITH EQUAL OR GREATER STRUCTURAL ADEQUACY AS EXISTING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
- 2) REPLACED BASE MATERIAL OVER DITCH SHALL BE TWO TIMES THE ORIGINAL BASE THICKNESS OR 24" MINIMUM, WHICHEVER IS GREATER. FOR THOROUGHFARE PLAN ROADS.
- 3) ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND BUTT-JOINTED.
- 4) BASE MATERIAL (PER ROADWAY PRODUCTION DESIGN STANDARDS) SHALL BE PLACED IN TWO OR THREE LAYERS (6" MAX. PER LAYER) AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO THE SPECIFIED DENSITY.
- 5) SURFACE TRANSITION AREA (SEE PLANS FOR LOCATION).
- 6) 2.5" MINIMUM OF SP-12.5 ASPHALTIC CONCRETE WITH RC-70 PRIME COAT AT 0.10 GAL/SQ. YD.
- 7) PIPE SHALL BE PLACED IN A DRY TRENCH. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY Dewatering PERMITS.

**GENERAL NOTES**

- A. ALL ROADWAY REPAIR WORK SHALL BE PERFORMED IN CONFORMANCE WITH APPLICABLE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- B. DENSITY TESTS SHALL BE TAKEN IN 1 FT LIFTS ABOVE THE PIPE AT INTERVALS OF 300 FT MAXIMUM (2 SETS MINIMUM, ONE ON EITHER SIDE OF ROAD CENTERLINE) OR AS DIRECTED BY THE TOWN ENGINEER. RESULTS SHALL BE SUBMITTED TO THE TOWN AS PART OF THEIR CLOSEOUT REVIEW.
- C. ENGINEER-OF-RECORD WILL PROVIDE FULL-TIME INSPECTION DURING THE ENTIRETY OF THE OPEN-CUT OPERATION, BEGINNING WITH THE EXCAVATION AND CONTINUING THROUGH THE COMPLETION OF THE FINISHES.
- D. IF THE PAVEMENT IS NOT COMPLETELY RESTORED IMMEDIATELY FOLLOWING THE OPEN CUT, A SMOOTH TEMPORARY PATCH (MINIMUM 1.25" ASPHALT) SHALL BE INSTALLED, PROPERLY MATCHING THE EXISTING GRADING OF THE ROADWAY. THE TEMPORARY PATCH SHALL BE ALLOWED TO REMAIN IN PLACE AND BE MAINTAINED FOR A PERIOD NO LONGER THAN 45 DAYS. THE TOWN RETAINS THE RIGHT TO USE POSTED SURETY TO COMPLETE ANY RESTORATION WORK THAT HAS NOT BEEN COMPLETED IN THE 45 DAYS PERIOD. ALTERNATIVE TEMPORARY TRENCH PROTECTION (STEEL PLATES OR OTHERS) MAY BE APPROVED BY THE TOWN ENGINEER.
- E. APPROVED MAGNETIC TAPE IS REQUIRED FOR ALL MAIN PRESSURE PIPES AND CONDUIT IN THE TOWN'S RIGHT-OF-WAY. INSTALL TAPE 24" BELOW FINISHED GRADE.
- F. CONTINGUOUS 4" WIDE PAINT STRIPING IS REQUIRED FOR DIP/POOP WATER MAINS (BLUE), DIP SANITARY MAINS (GREEN), DIP RECLAIMED WATER MAINS (PURPLE), GAS MAINS (YELLOW), OR AS REQUIRED BY THE APRA.

**OPEN CUT PIPE INSTALLATION FOR TOWN ROADS**  
**(LOXAHATCHEE GROVES RIGHT-OF-WAY)**  
NTS

ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

**PROPOSED LEGEND**

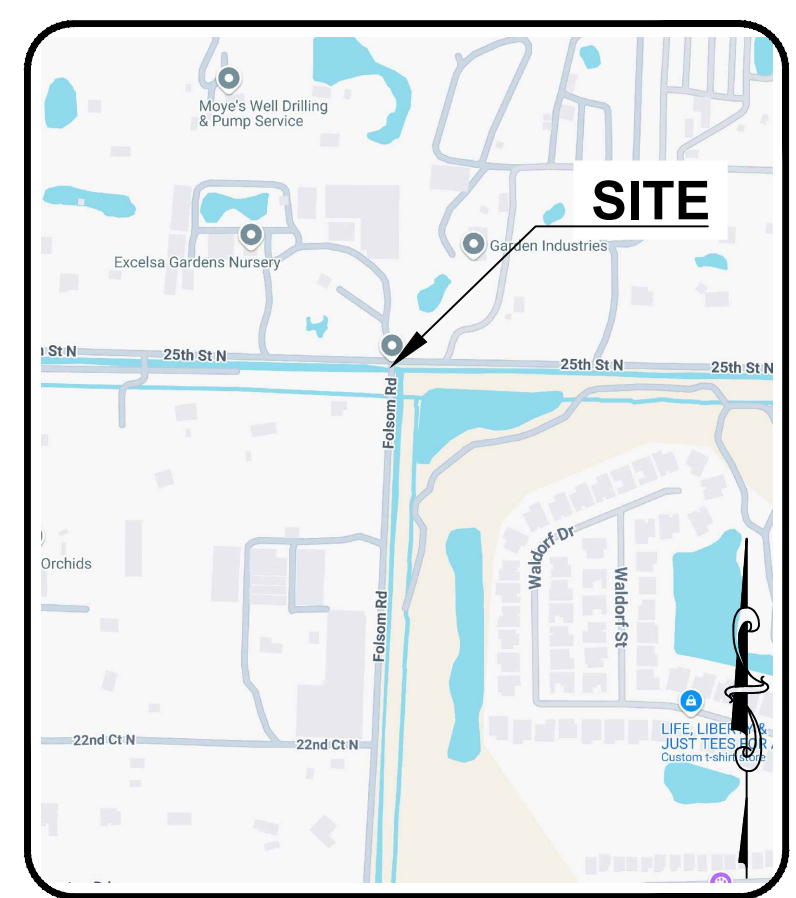
- BASEROCK
- SAND CEMENT RIP-RAP
- FILL AND SOD
- ROCK RIP-RAP
- TRAFFIC SIGN
- FLOATING TURBIDITY BARRIER
- COFFER DAM

**GENERAL NOTES:**

1. EDGE OF WATER, TOP OF BANK, EDGE OF PAVEMENT, ETC. ARE APPROXIMATE. DRAWN BASED ON AERIAL IMAGES OF THE SITE AND SHALL BE LOCATED AND FIELD VERIFIED BY CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. ALERT ENGINEER OF RECORD IF ANY DISCREPANCIES ARE FOUND.
2. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). TO CONVERT TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29) ADD 1.48' TO NAVD 88 ELEVATION.
3. FINISHED GRADES SHALL MATCH EXISTING, UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL RESTORE DISRUPTIONS TO SERVICES OR ACCESSIBILITY WITHIN 48 HOURS.
5. TOPOGRAPHIC SURVEY PERFORMED BY ENGENUITY GROUP, INC. ON DECEMBER 11, 2023.
6. ALL WORK SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL LOXAHATCHEE GROVES WATER CONTROL DISTRICT, TOWN OF LOXAHATCHEE GROVES, AND FDOT STANDARDS.
7. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO ORIGINAL CONDITION OR BETTER. ALL RESTORATION WORK SHALL MEET THE REQUIREMENTS OF THE TOWN OF LOXAHATCHEE GROVES.
8. MAINTAIN TRAFFIC THROUGH THE WORK AREA IN ACCORDANCE WITH INDEX 600, 602 AND 603 (AS APPLICABLE) OF THE FDOT STANDARDS. NOT MORE THAN ONE-HALF OF THE ROAD CAN BE CLOSED TO TRAFFIC DURING DAYLIGHT HOURS. THE ENTIRE ROAD WIDTH SHALL BE OPEN TO TRAFFIC AT NIGHT. CONTRACTOR SHALL PROVIDE THE TOWN OF LOXAHATCHEE GROVES A MINIMUM OF 1 WEEK NOTICE FOR LANE CLOSURES.

**DRAINAGE:**

1. PIPE SHALL BE PROTECTED DURING STORAGE AND HANDLING AGAINST IMPACT SHOCKS AND FREE FALL. PIPE SHALL BE KEPT CLEAN AT ALL TIMES.
2. ALL PIPE SHALL BE CAREFULLY INSTALLED STARTING AT THE LOWEST END, WITH HUBS UPGRADE AND TONGUE END FULLY ENTERED INTO THE HUB.
3. ANY PIPE THAT IS NOT IN TRUE ALIGNMENT OR WHICH SHOWS ANY SETTLEMENT AFTER INSTALLATION SHALL BE TAKEN UP AND RE-INSTALLED AT NO ADDITIONAL COST TO OWNER.
4. PLACE PLUGS IN ENDS OF UNCOMPLETED PIPE AT END OF DAY OR WHENEVER WORK STOPS.
5. RUBBER GASKETS FOR CONCRETE PIPE JOINTS SHALL MEET THE REQUIREMENTS OF THE 2007 EDITION OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 942. THE GASKET AND THE SURFACE OF THE PIPE JOINT, INCLUDING THE GASKET RECESS, SHALL BE CLEAN AND FREE FROM GRIT, DIRT, AND OTHER FOREIGN MATTER AT THE TIME THE JOINTS ARE MADE.
6. PIPE SHALL BE SET FIRMLY, ACCORDING TO THE LINES AND GRADE; AND PREPARATORY TO MAKING JOINTS. ALL SURFACES OF THE PORTION OF THE PIPE TO BE JOINTED SHALL BE THOROUGHLY CLEANED. THE PIPE SHALL BE LAID WITH THE GROOVE UPSTREAM. A SHALLOW EXCAVATION SHALL BE MADE UNDERNEATH THE PIPE AT THE JOINT.
7. IMMEDIATELY PRIOR TO INSTALLATION OF CONCRETE PIPE, THE ENTIRE INTERIOR OF THE GROOVE OF THE PIPE ALREADY INSTALLED, AND THE RUBBER GASKET OF THE PIPE TO BE INSTALLED SHALL BE COATED WITH AN APPROVED VEGETABLE SOAP LUBRICANT. THE GROOVE AND SPIGOT ENDS SHALL BE CLEANED PRIOR TO APPLICATION OF THE LUBRICANT. THE PIPE SHALL THEN BE ALIGNED WITH THE PREVIOUSLY INSTALLED PIPE AND THE JOINT PULLED TOGETHER. THE JOINT SHALL BE PULLED BY THE USE OF INTERIOR OR EXTERIOR PULL JACKS OR WINCHES, ANCHORED BY SUITABLE MEANS. THE CHOICE OF METHOD AND TYPE OF EQUIPMENT WILL DEPEND ON TRENCH CONDITIONS, TYPE AND SIZE OF PIPE, AND ITS ABILITY TO PROPERLY SEAT THE GASKET. IF, WHILE MAKING THE JOINT, THE GASKET BECOMES LOOSE AND CAN BE SEEN THROUGH THE EXTERIOR JOINT RECESS WHEN THE JOINT IS PULLED UP TO WITHIN ONE INCH (1") OF CLOSURE, THE PIPE SHALL BE REMOVED AND THE JOINT REMADE.
8. WHEN SHOWN ON THE DRAWINGS, SEAL THE ENDS OF THE PIPE WITH A MASONRY PLUG A MINIMUM OF 8 INCHES IN THICKNESS.
9. INSTALL FILTER FABRIC JACKET AROUND THE FIRST JOINT OF ALL PIPE ENTERING OR LEAVING A DRAINAGE STRUCTURE AND AT ALL CONCRETE PIPE JOINTS. USE A FILTER FABRIC JACKET CONSISTING OF A PIECE OF WOVEN OR NON-WOVEN FILTER FABRIC WHICH PROVIDES AN APPARENT OPENING SIZE OF A NO. 70 TO NO. 100 SIEVE, 24 INCHES IN WIDTH AND A LENGTH SUFFICIENT TO PROVIDE A MINIMUM OVERLAP OF 24 INCHES. SECURE THE FILTER FABRIC JACKET AGAINST THE OUTSIDE OF THE CONCRETE PIPE BY STEEL OR PLASTIC STRAPPING.
10. CORRUGATED POLYETHYLENE PIPE
  - A. AASHTO M294, TYPE S SMOOTH WALL INTERIOR. CORRUGATIONS MAY ONLY BE ANNULAR. BELL AND SPIGOT JOINTS WITH A GASKET MEETING ASTM F477. WHEN PERFORATED PIPE IS SPECIFIED ON THE DRAWINGS, THE PERFORATIONS SHALL CONFORM TO THE REQUIREMENTS OF CLASS 1.
12. TRENCHES ARE TO BE DRY WHILE THE PIPE IS BEING LAID.
13. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND SECURING THE EXISTING DRAINAGE OUTFALLS DURING AND AFTER CONSTRUCTION.



LOCATION MAP  
N.T.S.

NO.	DATE	REVISIONS	BY

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**CULVERT REPLACEMENT**  
**FOLSOM ROAD AND 25TH STREET**  
**LOXAHATCHEE GROVES, PLAM BEACH COUNTY, FL**  
**ENGINEERING PLAN**

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**engenuity group inc.**  
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1280 N. CONGRESS AVE., SUITE 101  
WEST PALM BEACH, FLORIDA 33409  
PH: (561) 955-1151 • FAX: (561) 952-9390  
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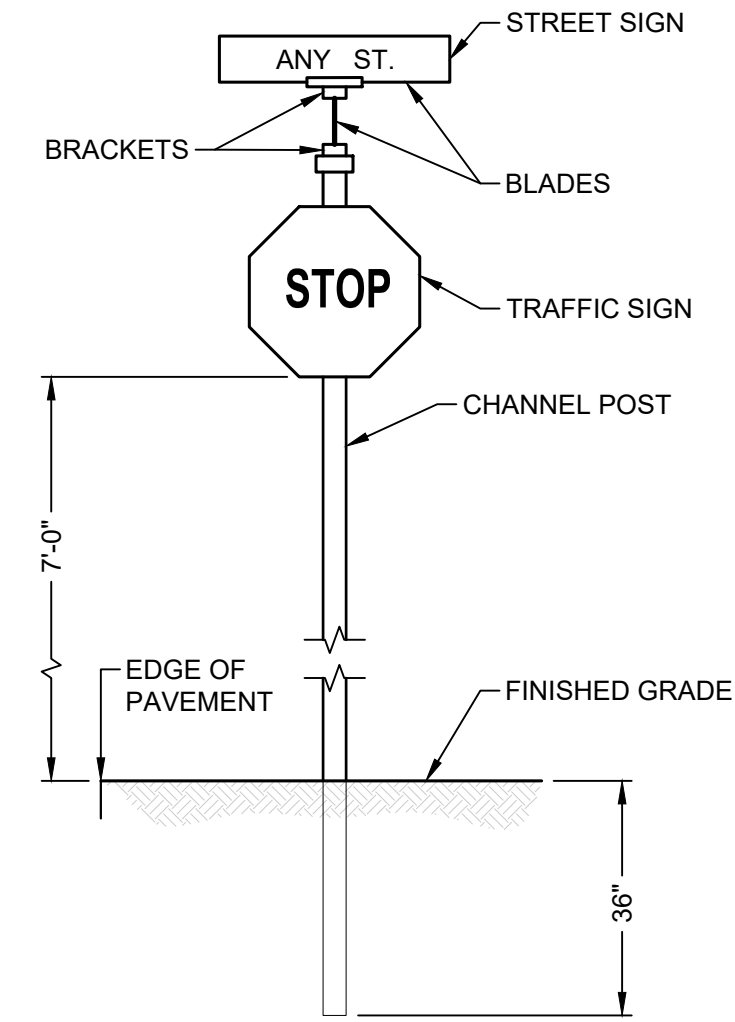
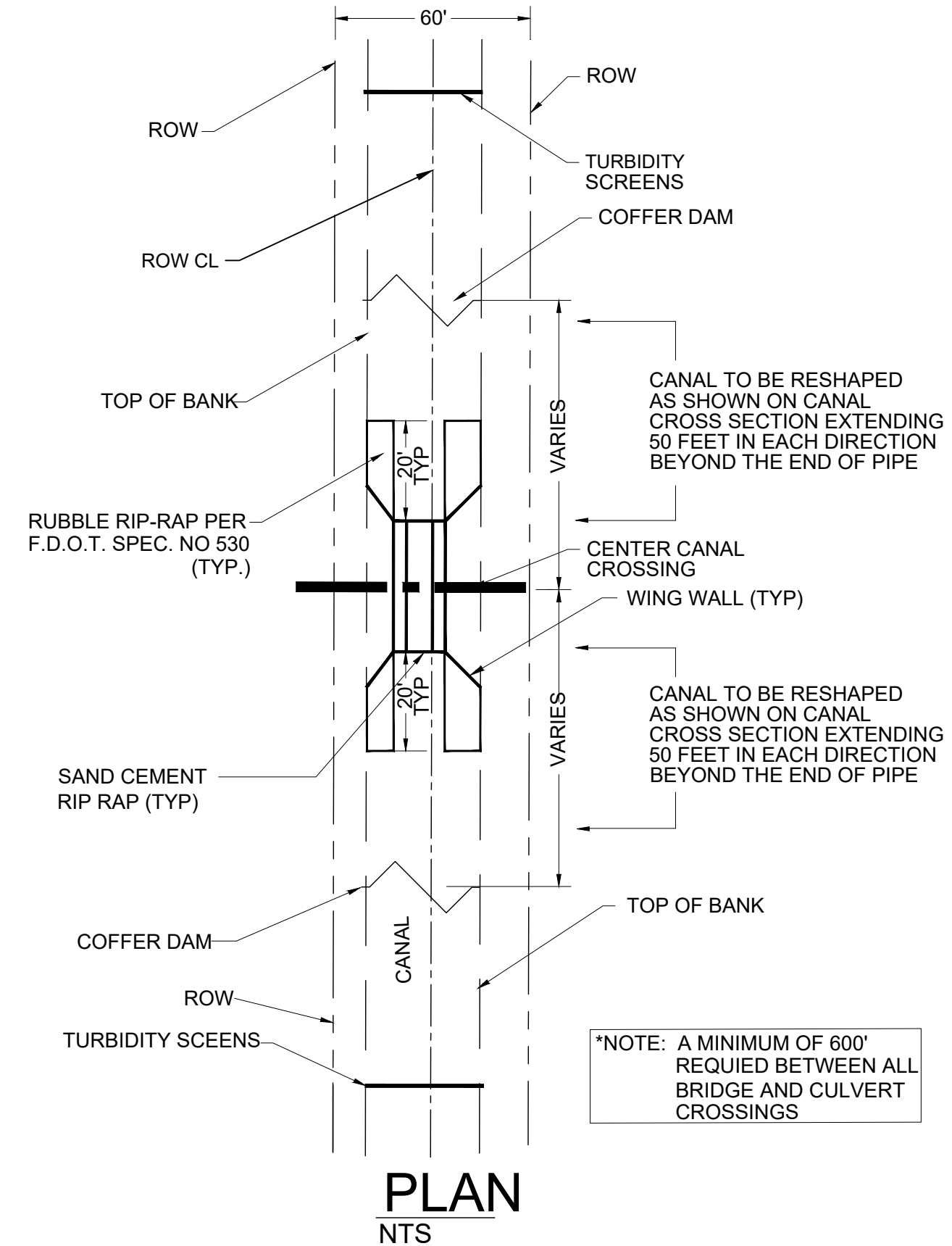
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JANUARY 9, 2025	KAK	KAK	ETLB	ACS
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JOB NO. 22138.122				



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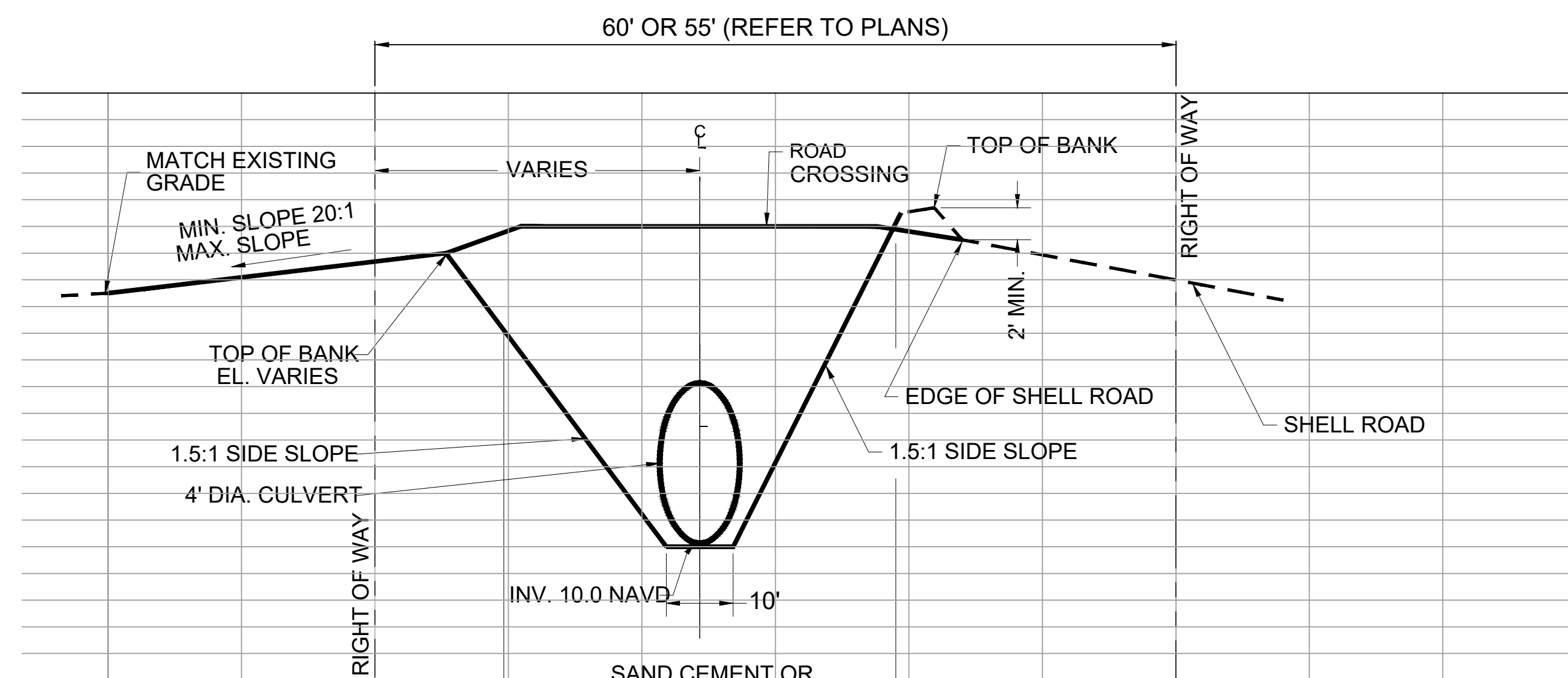
**GENERAL NOTES:**

- CONTRACTOR SHALL PROTECT ALL PERMANENT REFERENCE MONUMENTS AND TAKE ALL NECESSARY PRECAUTIONS NECESSARY TO AVOID THE MONUMENTS DURING CONSTRUCTION. IS A MONUMENT IS DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE MONUMENT AT NO ADDITIONAL COST TO THE OWNER OR THE DISTRICT.
- ALL UNSUITABLE MATERIAL SUCH AS MUCK, MARL, AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER. CLEAN GRANULAR FILL MATERIAL SHALL BE USED FOR BACKFILL AND PLACED IN 12 INCH LIFTS OR LESS AS REQUIRED BY COMPACTION. COMPACTION OF BACKFILLS TO BE 95% OF THE MAXIMUM DENSITY PER AASHTO T-180.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE GENERAL PUBLIC. DRAWING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE SIGNS, BARRICADES, AND FLAGMEN AS NECESSARY FOR TRAFFIC SAFETY, DURING CONSTRUCTION.
- ALL CONCRETE SHALL BE A MINIMUM OF 3,000 PSI UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL COMPLY WITH ALL OF THE SAFETY REQUIREMENTS OF THE TRENCH, DRAIN SAFETY ACT, DRAWING INSTALLATION OF THE CULVERT CANAL CROSSING.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PERMIT CONDITIONS AS ISSUED BY THE LOXAHATCHEE GROVES WATER CONTROL DISTRICT AND OTHER GOVERNMENT AGENCIES
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF ANY TEST TO ARRANGE FOR THE WATER CONTROL DISTRICT TO HAVE A REPRESENTATIVE PRESENT, IF REQUIRED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE FOR INSPECTIONS OF THE CONSTRUCTION
- CONTRACTOR TO PROVIDE SILT SCREENS OR OTHER ENVIRONMENTAL MEASURES TO CONTROL TURBIDITY TO STATUTORY/REGULATORY LEVELS IN THE CANAL UP AND DOWNSTREAM DURING CONSTRUCTION
- CONTRACTOR TO PROVIDE D. O. T. APPROVED LIME ROCK FOR ROAD CROSSING.
- CONTRACTOR TO DIG CANAL TO NEW SECTION 450 LF IN EACH DIRECTION FROM END OF CULVERT PIPE
- ALL AREAS DISTURBED DRAWING CONSTRUCTION ALONG CANAL, INCLUDING MAINTENANCE EASEMENT AND CANAL BANKS, TO BE SEATED AND MULCHED PER DOT SPECIFICATIONS.
- CONTRACTOR TO MAINTAIN WATER FLOW BY MEANS OF A BYPASS DRAWING INSTALLATION OF THE CULVERT, UNLESS OTHERWISE DIRECTED BY THE DISTRICT. THIS BYPASS MUST BE APPROVED BY LOXAHATCHEE GROVES WATER CONTROL DISTRICT PRIOR TO BEGINNING CONSTRUCTION.
- ALL CORRUGATED STIFF PIPE COUPLING BANDS SHALL CONFORM TO AASHTO M 36 SPECIFICATION
- ALL CORRUGATED STEEL PIPE SHALL BE BITUMINOUS COATED IN ACCORDANCE WITH THE REQUIREMENTS AASHTO M190, FOR TYPE A (FULLY BITUMINOUS COATED)
- WHERE ALUMINUM PIPE IS USED, IF BITUMINOUS COATED, IT SHALL MEET THE AASHTO SPACE M190 TYPE A, SPECIFICATION FOR BITUMINOUS COATING
- REINFORCED CONCRETE PIPE (RCP) PARENTHESES SHALL CONFORM TO THE FDOT SECTION 941 OF THE LATEST STANDARD SPECIFICATIONS
- MAINTENANCE SIDE OF CANAL TO BE SLOPED AT 20:1 MIN. / 8:1 MAX. AWAY FROM TOP OF BANK.
- ALL GROUND VEGETATION AND TREES WITHIN RIGHT OF WAY AND MAINTENANCE EASEMENT TO BE REMOVED FOR ENTIRE LENGTH OF PROPERTY FRONTAGE
- PERMIT TO HAVE A REGISTERED LAND SURVEYOR PROVIDE CROSS SECTIONS OF CANAL AND ROADWAY FOR PRE- AND POST- CONSTRUCTION AND AS-BUILTS
- PERMIT TO HAVE A REGISTERED ENGINEER DESIGN AND PROVIDE SIGNED AND SEALED DRAWINGS FOR THE CULVERT CROSSING
- PERSONS INSTALLING CULVERTS OR BRIDGES WITHOUT A DISTRICT PERMIT WILL BE SUBJECT TO A DOUBLE PERMIT FEE AND MUST FIELD VERIFY, TO THE DISTRICT ENGINEER'S SATISFACTION THAT THE UNIFORM STANDARDS HAS BEEN MET. WORK NOT MEETING THE DISTRICT'S UNIFORM STANDARDS SHALL BE REMOVED FROM THE RIGHT OF WAY.



- NOTES**
- EXTRUDED BLADE: ALCOA #86054.6063-T6 ALLOY, ETCHED, DEGREASED WITH #1200 ALODINE FINISH WITH #2277 GREEN SCOTCHLITE BACK-GROUND OR EQUAL. DIMENSIONS - 6"H, 24", 30" OR 36"L.
  - LETTERS: NAME - 4" SERIES "B" #2270 SCOTCHLITE (SILVER) OR EQUAL. SUFFIX - 2" SAME AS ABOVE.
  - CHANNEL POST: STEEL FLANGED, HOT DIPPED GALVANIZED PER ASTM A123 WITH BAKED GREEN ALKYD FINISH. MINIMUM WEIGHT OF 2 LBS. PER FOOT. SIGNS 9 SQUARE FEET AND LARGER SHALL BE DOUBLE POSTED. 4. TRAFFIC SIGNS: 0.08 INCH THICK ALUMINUM. BOLTS TO BE 3/8" DIA. x 3/4" LONG WITH HEX NUTS. MINIMUM 2 PER SIGN.

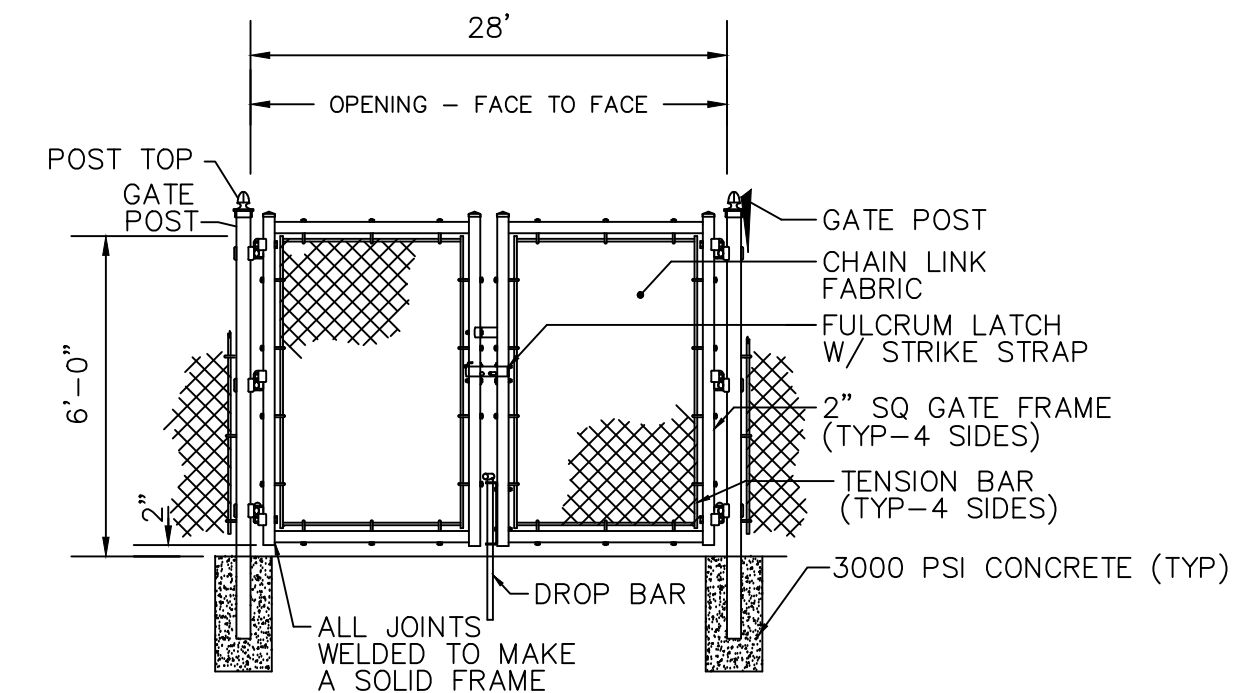
**STREET AND TRAFFIC SIGNS**  
NTS



- NOTES:**
- SAND CEMENT RIP RAP CONSTRUCTION TO FOLLOW FDOT'S STANDARD INDEX SHEET FOR TYPE OF PIPE.
  - BARS TO BE DRIVEN ONE INCH BELOW THE SURFACE OF THE BAG.
  - WET RIP RAP BAGS AS ENDWALL IS CONSTRUCTED.
  - EXTEND RIP-RAP AROUND RADIUS ALONG BERM TO PREVENT EROSION.

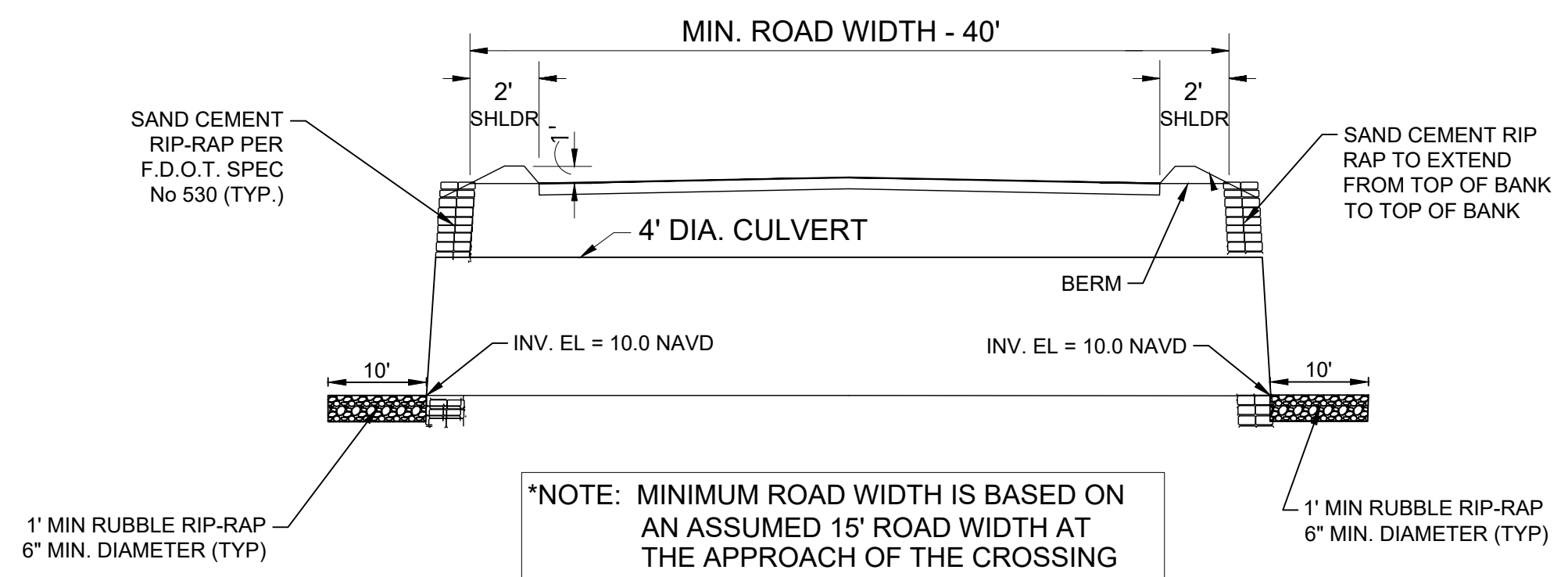


**MUTCD "W3-1" SIGN**  
NTS

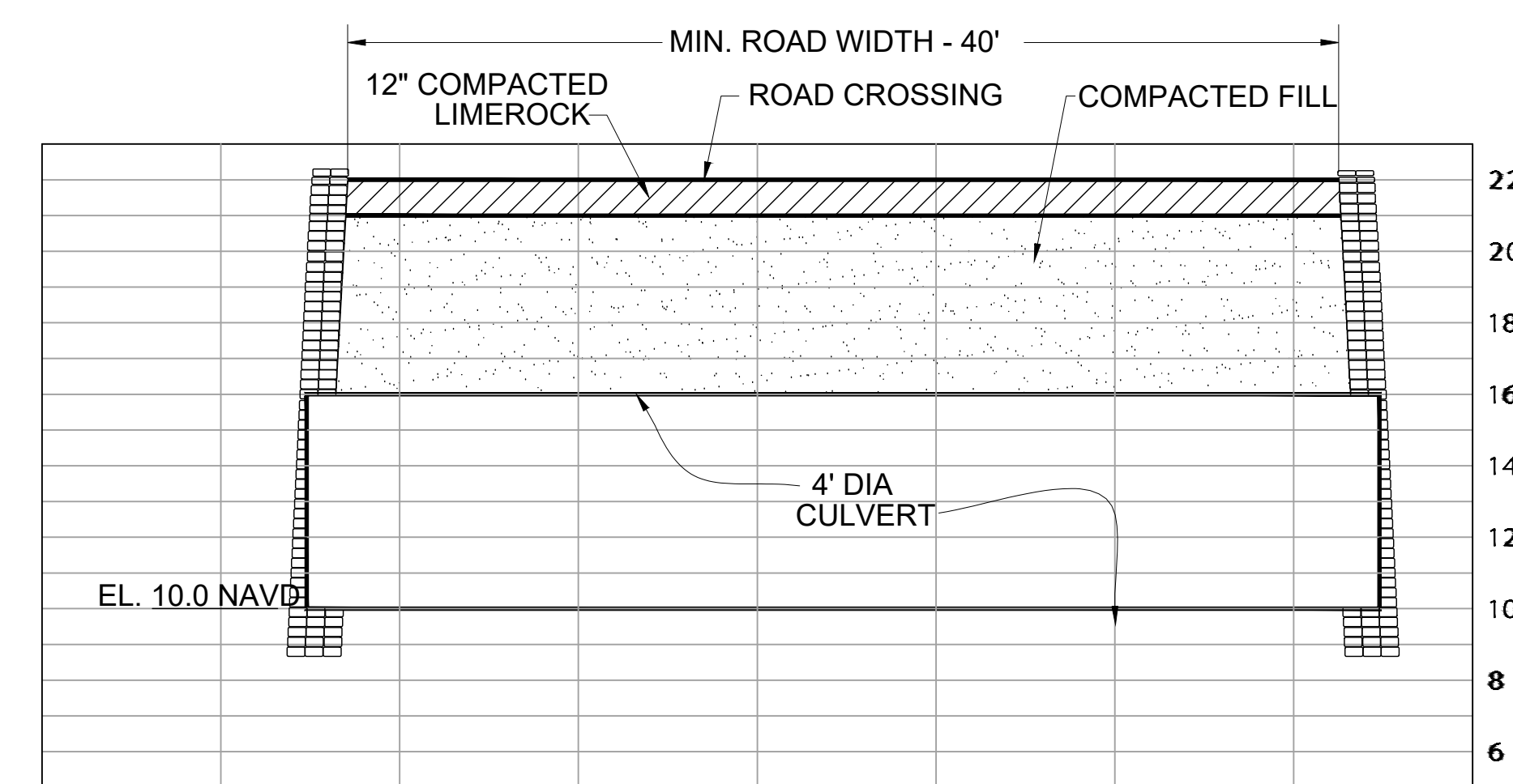


- FENCE AND POSTS SHALL BE VINYL COATED BLACK OR GREEN (PER OWNER)
- ANY SHARP OR POINTED PROJECTIONS ON THE FENCE FABRIC RESULTING FROM THE GALVANIZING PROCESS SHALL BE DIRECTED AWAY FROM THE LOX GROVES R.O.W.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS WITH WIND LOAD CALCULATIONS VERIFYING FOOTER AND POST SIZE.

**CHAIN LINK FENCE DOUBLE SWING GATE**  
NTS



**SAND CEMENT RIP - RAP CROSS SECTION**  
NTS



**SAND CEMENT RIP - RAP CROSS SECTION**  
NTS

**CULVERT CROSSINGS NORTH OF OKEECHOBEE BOULEVARD**

ADOPTED  
FEBRUARY 10, 2003



E. TARA L. BAMBER, P.E., PROFESSIONAL ENGINEER LICENSE NO. 69957  
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E. TARA L. BAMBER, P.E.  
NO. 69957

**CULVERT REPLACEMENT FOLSOM ROAD AND 25TH STREET LOXAHATCHEE GROVES, PALM BEACH COUNTY, FL**  
DETAILS

A Higher Standard of Excellence  
**engenuity inc.**  
1280 N. CONGRESS AVE., SUITE 101  
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PH: (561) 655-1151 • FAX: (561) 832-5390  
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DATE	JANUARY 9, 2025	DRAWN	KAK
PROJECT ENGINEER	KAK	PROJECT MANAGER	ETLB
CHECKED	ACS		
JOB NO. 22438.122		C-3	

**EXHIBIT B**

**Town's Standard Contract**

**CONTRACT FOR CONTINUING SERVICES FOR CULVERTS –  
CONSTRUCTION, REPLACEMENT, MAINTENANCE, REPAIRS,  
AND INDIVIDUAL PROJECTS (INCLUDING THOSE OVER \$300,000)  
IFB # 2025-01**

**THIS CONTRACT** for Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Including Those Over \$300,000) (“Contract”) is by and between the **Town of Loxahatchee Groves**, a Florida municipal corporation (“Town”) and \_\_\_\_\_, a Florida corporation, with its principal address at \_\_\_\_\_ (“Contractor”).

WHEREAS, the Town issued Invitation For Bid # \_\_\_\_\_ for Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Including Those Over \$300,000) (“IFB”); and

WHEREAS, the Contractor submitted a bid in response to the IFB; and

WHEREAS, the Town desires to award the IFB to the Contractor on a non-exclusive basis for the Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Including Those Over \$300,000) (“Culvert Program”); and

WHEREAS, the Town finds awarding the IFB to the Contractor as described herein serves a valid public purpose.

NOW THEREFORE, the Town hereby engages the services of the Contractor, and in consideration of the mutual promises herein contained, the sufficient of which is hereby acknowledged by both parties, the parties agree as follows:

**Article 1. GENERAL INFORMATION.**

1.1 **Scope of Services.** The Contractor shall provide the services requested by the Town and required under a Town approved work order as described herein. The general nature of the services to be provided by the Contractor under this Contract are construction services for the Culvert Program as described in detail in the IFB (incorporated herein as if set forth in full) and as included in any Work Order hereunder.

1.2 **Contract Documents.** The Contract Documents are incorporated herein by reference as if set forth in this Contract and comprise the entire agreement between the Town and Contractor. The Contract Documents consist of this Contract, the IFB (including, but not limited to, the addenda, attachments, exhibits and any plans issued therewith); the bid submitted by the Contractor; and any duly executed and issued work orders, change orders and Contract amendments relating thereto. If, during the performance of the work, the Contractor finds an ambiguity, error or discrepancy in the Contract Documents, the Contractor shall so notify the Town, in writing, within five (5) business days and before proceeding shall obtain a written interpretation or clarification. Failure to obtain a written interpretation or clarification will be deemed a waiver of the ambiguity, error or discrepancy by the Contractor. The Town will not be responsible for any oral instructions, clarifications, or other communications except those provided in writing in response to Contractor's request for clarification of an ambiguity, discrepancy or error. The use of the terms Contract and Contract Documents will be used interchangeably herein.

In resolving conflicts in any of the Contract Documents, the order of precedence shall be as follows:

First Priority:	Fully executed Change Orders or Contract amendments
Second Priority:	This Contract
Third Priority:	Fully executed Work Orders
Fourth Priority:	IFB
Fifth Priority:	Contractor's Bid

1.3 **Contract Administrator.** Whenever the term Contract Administrator is used herein, it is intended to mean **the Town Manager or designee, Town of Loxahatchee Groves, Florida**. In the administration of this Contract, all parties may rely upon instructions or determinations made by the Contract Administrator except that all requests and/or determinations that result in an increase in change in time of completion and/or an increase in the price shall require a formal change order or contract amendment executed by the Town Manager or the Town Council (depending on the authority set forth in the Town's Procurement Code).

1.4 **Work Orders.** This non-exclusive Contract does not guarantee that the Town will utilize the Contractor in any capacity or for any services hereunder. When the Town identifies a need for the Contractor's services, the Town will request a proposal from the Contractor to provide the services requested. The Town will provide the Contractor with a general scope of services, if any, in order for the Contractor to develop its proposal. The Contractor's proposal shall be submitted in the format of the sample work order, attached hereto and incorporated herein as **Exhibit A** along with a copy of the Contractor's proposal and shall be based on the unit prices set forth in the Contractor's bid to the IFB (or as may be amended under section 1.6 below). Upon receipt of the Contractor's proposed work order and proposal, the Town shall decide in its sole discretion whether to award the work order to the Contractor. Depending on the lump sum amount of each work order, the work order may be awarded by the Town Manager (if within his/her purchasing authority) or the Town Council. If the work order is approved by the Town, the Contractor shall commence the identified services upon the Town's approval of the work order for the services and issuance of a notice to proceed. The Town reserves the right to reject any and all proposals submitted by the Contractor. A Town-approved work order shall include (by reference) the plans, if any, provided by the Town to the Contractor.

1.5 **Term.** This non-exclusive Contract shall become effective upon approval by the Town Council. Unless earlier terminated as provided for herein, the initial term of this Contract shall be for **two (2) years** from the effective date **with three (3) one (1) year renewal options**. The Town, through the Town Manager, may exercise the renewal options provided that the Town has approved funding for said renewal options. Each fiscal year of this Contract and any renewals shall be subject to the availability of funds lawfully appropriated for its purpose by the State of Florida (if applicable) and the Town.

1.6 **Unit Prices.** The unit prices stated in the Contractor's bid shall remain fixed for the initial two (2) year term of this Contract. If requested in writing by the Contractor, the unit prices will be reviewed prior to the third year of this Contract. If due to applicable and established price escalations and/or reductions in materials which impact the Contractor's unit prices, the Town and Contractor may execute a written amendment to this Contract to establish new unit prices one (1) time during the three (3) renewal periods of the Contract, unless additional unit price changes are otherwise agreed to by the Town.

**Article 2. CONTRACT TIME; LIQUIDATED DAMAGES.**

2.1 **Timely Services.** All services to be provided under a Town-approved work order shall be provided in a timely manner.

2.2 **Liquidated Damages.** **The Town and Contractor recognize that time is of the essence under this Contract and that the Town will suffer financial loss if the work described in the Contract Documents is not completed within the times specified in the applicable work order. The Town and Contractor recognize, agree and acknowledge that it would be impractical and extremely difficult to ascertain and fix the actual damages that the Town would suffer in the event Contractor neglects, refuses, or otherwise fails to complete the work within the time specified. Accordingly, instead of requiring any such proof, the Town and Contractor agree**

**that as liquidated damages for delay (but not as a penalty) Contractor shall pay the Town five hundred dollars (\$500.00) for each day that expires after the time specified in the applicable work order.**

**Article 3. PAYMENT PROCEDURES.**

3.1 **Generally.** The Contractor shall submit invoices on a monthly basis detailing all work accomplished in the prior month and all materials installed and used in the Culvert Program pursuant to Town approved work order. Contractor's invoices shall be submitted to:

Town of Loxahatchee Groves  
Attn: Project Coordinator  
155 F Road  
Loxahatchee Groves, Florida 33470

The Town's Contract Administrator or designee will review each invoice submitted by the Contractor. If approved, the Town will make payment in accordance with the Contract Documents. If not approved, the Town will notify the Contractor within twenty (20) business days of the Town's receipt and identify the action necessary to correct the invoice or a deficiency.

3.2 **Payments.** Payment to the Contractor shall be made pursuant Florida's Prompt Payment Act (for construction services), section 218.735, Florida Statutes, except as provided herein. Specifically, the Town will withhold ten percent (10%) of each payment from a work order to the Contractor as retainage until fifty percent (50%) of the work order price is paid to the Contractor. Upon payment of fifty percent (50%) of the work order price to the Contractor, the Town will withhold only five percent (5%) of each work order payment made to the Contractor. Upon written request from the Contractor, the Contract Administrator may agree in writing with the Contractor to release a portion of the retainage upon payment of fifty percent (50%) of the work order price being paid to the Contractor (not to exceed fifty percent (50%) of the total retainage amount).

3.3 **Substantial Completion.** Upon substantial completion, the Contractor shall notify the Town the work is substantially complete and request an inspection. Within five (5) business days thereafter, the Contractor and Town shall make an inspection of the work and begin the development of a draft punch list of items that must be completed by the Contractor prior to the Contractor submitting its final payment request ("Punch List Walkthrough"). The Town shall submit the punch list to the Contractor within fifteen (15) days of the Punch List Walkthrough and the Contractor shall have ten (10) days to agree to the same. If the Contractor wishes to revise the punch list, it must send the revised punch list to the Town no later than thirty (30) days after reaching substantial completion. Thereafter the parties shall agree on the final punch list no later than thirty (30) days after reaching substantial completion. The punch list shall include every remaining item required to render complete, satisfactory, and acceptable services to the Town and the estimated cost to complete each remaining item. The final agreed upon punch list shall be sent to the Contractor five (5) days after the punch list is finalized. In no event may the Contractor request payment of final retainage until the Contractor has completed all items on the punch list. All items that require correction under the Contract which are identified after the preparation and delivery of the punch list remain the obligation of the Contractor. The failure to include any corrective work or pending items not yet completed on the list does not alter the responsibility of the Contractor to complete all the construction services purchased pursuant to the Contract.

3.4 **Final Payment.** Upon final completion and acceptance of the work in accordance with the IFB and this Contract (including all punch-list items) and final inspection by the appropriate agency with jurisdiction over the Culvert Program (if other than the Town), the Contractor shall submit a "final invoice" to the Town. In order for both parties to close their books and records, the Contractor will clearly state "FINAL" on the Contractor's final invoice. This certifies that all work under the applicable work order has been properly completed and all charges have been invoiced to the Town. Since this account will thereupon be closed, any and other further charges if not properly included in this final invoice are waived by the Contractor. If the Contractor's Final Invoice is approved as set forth above, the Town shall pay the remainder of the work order price including any amount held as retainage.

3.5 **Good Faith Disputes.** Notwithstanding the foregoing, the Town shall not be required to pay or release any amount of retainage that is subject of a good faith dispute, the subject of a claim brought pursuant to section 255.05, Florida Statutes, or otherwise the subject of a claim or demand by the Town.

3.6 **Final Payment.** Final payment shall not become due until the Contractor and all of its subcontractors submit to the Town releases and waivers of liens, and data establishing payment or satisfaction of obligations, such as receipts, claims, security interests or encumbrances arising out of the Contract Documents or otherwise related to the Culvert Program.

3.7 **Waiver of Claims.** Acceptance of final payment by the Contractor or a subcontractor shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final invoice.

#### **Article 4. SUBCONTRACTS.**

The Contractor represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the Town. All of the services required hereunder shall be performed by the Contractor or under its supervision, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services. The Contractor shall furnish services in a manner consistent with industry standards and to a level of professional skill generally acceptable in the industry with regard to services of this kind. The Contractor shall comply with all applicable laws in the provision of services under this Contract. The Contractor agrees that it is fully responsible to the Town for the acts and omissions of subcontractors and of persons either directly or indirectly employed by the Contractor. Nothing contained herein shall create any contractual relationship between any subcontractor and the Town. All of the Contractor's personnel (and all subcontractors) while on Town premises, will comply with all Town requirements governing conduct, safety, and security. The Town reserves the right to request replacement of any of subcontractor or subcontractor's personnel furnished by the Contractor upon written notice by Town to Contractor of the cause for such replacement. All work performed by a subcontractor will be at cost to the Town without any mark-up by the Contractor. All subcontractors must provide the same level and type of insurance as required of the Contractor under this Contract prior to commencing any services. The Contractor shall submit the subcontractors' proof of insurance upon receipt of a notice to proceed.

#### **Article 5. INDEMNITY; INSURANCE.**

5.1 **Indemnity.** The parties recognize that the Contractor is an independent contractor. The Contractor agrees to indemnify and hold harmless the Town, its officers, employees, and representatives of, from, and against all liabilities, damages, losses and costs, including, but not limited to reasonable attorneys' fees (including but not limited to all trials and appeals), to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the Town in the enforcement of this indemnification provision. This also includes claims made by the employees of the Contractor against the Town and the Contractor hereby waives its entitlement, if any, to immunity under Section 440.11, Florida Statutes. The obligations contained in this provision shall survive termination of this Contract and shall not be limited by the amount of any insurance required to be obtained or maintained under this Contract.

It is the specific intent of the parties hereto that the foregoing indemnification complies with Section 725.06, Florida Statutes, as amended. The Contractor expressly agrees that it will not claim, and waives any claim, that this indemnification violates Section 725.06, Florida Statutes. Nothing contained in the foregoing indemnification or any other provision in the Contract Documents shall be construed as the Town's consent to be sued, nor as a waiver of any immunity or limitation of liability the Town may have under the doctrine of sovereign immunity or Section 768.28, Florida Statutes, as amended from time to time. The limitations and provisions set forth in Section 768.28, Florida Statutes, are deemed to apply to this Contract to claims or actions arising in tort and/or contract.

5.2 **Insurance.** Contractor shall obtain and maintain in force at all times during the term of the Contract insurance coverage as required herein. All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida. The Certificates shall clearly indicate that the Contractor has obtained insurance

of the type, amount, and classification as required for strict compliance with this provision and that no material change or cancellation of the insurance shall be effective without thirty (30) days prior written notice to the Town. Compliance with the foregoing requirements shall not relieve the Contractor of its liability and obligations under the Contract.

- A. The Contractor shall maintain, during the life of the contract, commercial general liability, including public and contractual liability insurance in the amount of \$1,000,000.00 per occurrence (\$2,000,000.00 aggregate) to protect the bidder from claims for damages for bodily and personal injury, including wrongful death, as well as from claims of property damages which may arise from any operations under the contract, whether such operations be by the bidder or by anyone directly or indirectly employed by or contracting with the bidder.
- B. The selected bidder shall maintain general automobile liability insurance for owned and hired vehicles (optional / per case basis) of at least \$1,000,000 combined single limit.
- C. The selected bidder shall carry Workers' Compensation Insurance and Employer's Liability Insurance for all employees as required by Florida Statutes.

All insurance, other than Workers' Compensation, to be maintained by the selected bidder shall specifically include the "Town of Loxahatchee Groves, its elected officials, employees and representatives" as an "Additional Insured". The Contractor shall agree to a Waiver of Subrogation for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss contract to waive subrogation without an endorsement then the selected contractor shall agree to notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy where a condition to the policy specifically prohibits such an endorsement, or voids coverage should the Contractor enter into such a contract on a pre-loss basis. All deductible amounts shall be paid for and be the responsibility of the Contractor for any and all claims under this Contract. It shall be the responsibility of the Contractor to ensure that all subcontractors, if authorized, comply with the same insurance requirements herein.

**Article 6. REIMBURSEMENT OF ENGINEER EXPENSES.**

Should the completion of a work order be delayed beyond the specified or adjusted time limit, Contractor shall reimburse the Town for all expenses of engineering and inspection incurred by the Town during the period between said specified or adjusted time and the actual date of final completion. All such expenses for engineering and inspection incurred by the Town will be charged to Contractor and be deducted from payments due Contractor as provided by this Contract. Said expenses shall be further defined as engineer charges associated with the construction contract administration, including resident project representative costs. All such expenses shall be separate from and in addition to any Liquidated Damages as provided for herein.

**Article 7. PUBLIC CONSTRUCTION BOND.**

If the Town approves a work order which exceeds \$200,000, the Contractor must provide the Town with a public construction bond in accordance with section 255.05, Florida Statutes. Said bond must be recorded in the Official Records in and for Palm Beach County and a certified copy of the recorded bond must be provided to the Town prior to the Contractor providing any services under the work order. The Town reserves the right to request a bond for any work order which is less than \$200,000. The cost of the bond shall be a direct pass through cost to the Town without any mark-up by the Contractor. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of work or the provisions of the Contract Documents (including but not limited to the Contract price or times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

The public construction bond shall be on forms attached hereto as **Exhibit B** or substantially similar as approved by the Town. The bond shall be in an amount not less than the total Work Order price and shall incorporate by reference the terms of the Contract Documents in their entirety.

To be acceptable to the Town, a Surety Company shall comply with the following provisions:

- (a) The Surety Company shall have a currently valid Certificate of Authority, issued by the State of Florida Department of Insurance, authorizing it to write surety bonds in the State of Florida.
- (b) The Surety Company shall have a currently valid Certificate of Authority issued by the United States Department of Treasury under Sections 9304 to 9308 of Title 31 of the United States Code.
- (c) The Surety Company shall be in full compliance with the provisions of the Florida Insurance Code.
- (d) The Surety Company shall have at least twice the minimum surplus and capital required by the Florida Insurance Code at the time the Contractor submits its Work Order for Town approval.
- (e) The Surety Company shall have at least the ratings of A-/Class V in the latest issue of Best's Key Rating Guide.

**Article 8. TERMINATION.**

**8.1 Termination by Town.** The Town may terminate any work order, the Contract and/or the Contract Documents if the Contractor is in default as follows:

- (a) Refuses or fails to supply enough properly skilled workers or proper materials to timely and competently complete the work;
- (b) Fails to make payment to subcontractors for materials or labor in accordance with the respective agreements between the Contractor and the subcontractors;
- (c) Disregards or takes action contrary to any laws, ordinances, or rules, regulations or orders of a public authority having jurisdiction;
- (d) Takes action, short of declaring bankruptcy, evidencing insolvency;
- (e) Fails or refuses to provide and/or maintain insurance or proof of insurance as required by the Contract Documents; or,
- (f) Otherwise is in breach of a provision of the Contract Documents.

When any of the above reasons exist, the Town, may without prejudice to any other rights or remedies of the Town and after giving the Contractor and the Contractor's surety (if applicable), three (3) days' written notice, and five (5) days to cure, terminate the work order, Contract and/or Contract Documents and may:

- (a) Take possession of the site and of all materials, equipment, tools, and construction equipment and machinery thereon owned by or paid for by the Town; and,
- (b) Finish the work by whatever reasonable method the Town may deem expedient.

The Contractor and its surety shall be liable for any damage to the Town, including additional attorney and engineering/architectural fees, resulting from the Contractor's termination under this provision by the Town, including but not limited to, and any increased costs incurred by the Town in completing the work. When the Town terminates the Contract for one of the reasons stated above, the Contractor shall not be entitled to receive further payment, if any, until the work is finished. Should it be determined by a mediator or a court of competent jurisdiction that the Town wrongfully terminated the Contract, then the Contractor agrees to treat such termination as a termination for convenience.

**8.2 Termination by the Town for Convenience.** The Town may, at any time, terminate the Contract and Contract Documents for the Town's convenience and without cause. Upon receipt of written notice from the Town of such termination for the Town's convenience, the Contractor shall:

- (a) Cease operations as directed by the Town in the notice;
- (b) Take actions necessary, or that the Town may direct, for the protection and preservation of the work; and
- (c) Except for work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.



In case of such termination for the Town's convenience, the Contractor shall be entitled to receive payment for work satisfactorily completed in accordance with the Contract Documents.

**Article 9. MISCELLANEOUS.**

9.1 **Successors and Assigns.** The Town and Contractor each binds itself, its partners, its successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect of all covenants, agreements and obligations contained in the Contract Documents.

9.2 **Changes.** Additional work, changes to the work order price or time, is subject to the Town's prior written approval. The engineer or Contractor has no authority to approve such changes and has no authority to waive the requirement of prior written authorization for extra work, changes in the scope or time.

9.3 **Headings.** The headings contained in this Contract are inserted for convenience of reference only and shall not be a part or control or affect the meaning hereof. All references herein to Articles are to the Articles of this Contract. All references herein to Exhibits are to the exhibits hereto, each of which shall be incorporated into and deemed to be a part of this Contract.

9.4 **Counterparts.** This Contract may be executed in two or more counterparts (and may be signed electronically, i.e., digitally, via pdf or email, etc.), each of which shall be deemed to be an original, but all of which shall be deemed to be an original, but each of which together shall constitute one and the same instrument.

9.5 **Entire Agreement; Amendments; Waiver.** This Contract (together with the other Contract Documents) supersedes any and all prior negotiations and oral or written agreements heretofore made relating to the subject matter hereof and, except for written agreements, if any, executed and delivered simultaneously with or subsequent to the date of this Contract, constitutes the entire agreement of the parties relating to the subject matter hereof. This Contract may not be altered or amended except by a writing signed by the parties hereto. No waiver of any of the terms or conditions of this Contract shall be effective unless in writing and executed by the party to be changed therewith. No waiver of any condition or of the breach of any term, covenant, representation, warranty or other provision hereof shall be deemed to be construed as a further or continuing waiver of any such condition or breach or a waiver of any other condition or of any breach of any other term, covenant, representation, warranty or other provision contained in this Contract.

9.6 **Binding Effect.** This Contract shall be binding upon, and shall inure to the benefit of the parties hereto and their respective successors and assigns.

9.7 **Applicable Laws; Venue.** This Contract shall be governed by and construed and interpreted in accordance with the laws of the State of Florida. Each of the parties hereto (a) irrevocably submit itself to the exclusive jurisdiction of the Fifteenth Judicial Circuit Court in and for Palm Beach County, Florida for state actions and jurisdiction of the United States District Court for the Southern District of Florida, Palm Beach Division, for the purposes of any suit, action or other proceeding arising out of, or relating to, this Contract; (b) waives and agrees not to assert against any party hereto, by way of motion, as a defense of otherwise, in any suit, action or other proceeding, any claim that it is not personally subject to the jurisdiction of the above-named courts for any reason whatsoever; and (c) to the extent permitted by applicable law, any claim that such suit, action or proceeding by any part hereto is brought in an inconvenient forum or that the venue of such suit, action or proceeding is improper or that this Contract or the subject matter hereof may not be enforced in or by such courts.

9.8 **No Third Party Beneficiary.** This Contract shall create no rights or claims whatsoever in any third party.

9.9 **Severability.** If any one or more of the provisions of the Contract shall be held to be invalid, illegal or unenforceable in any respect, the validity, legality and enforceability of the remaining provisions hereof shall not in any way be affected or impaired thereby.

9.10 **Effective Date.** The effective date of this Contract is the date the Contract is approved by the Town Council.

9.11 **Public Records.** The Contractor shall comply with Florida's Public Records Act, Chapter 119, Florida Statutes, and, if determined to be acting on behalf of the Town as provided under section 119.011(2), Florida Statutes, specifically agrees to:

- (a) Keep and maintain public records required by the Town to perform the service.
- (b) Upon request from the Town's custodian of public records or designee, provide the Town with a copy of the requested records or allow the records to be inspected or copied within a reasonable time 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 for the duration of this Contract and following completion of this Contract if the Contractor does not transfer the records to the Town.
- (d) Upon completion of this Contract, transfer, at no cost, to the Town all public records in possession of the Contractor or keep and maintain public records required by the Town to perform the service. If the Contractor transfers all public records to the Town upon completion of the Contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the Contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the Town, upon request from the Town's custodian of public records or designee, in a format that is compatible with the information technology systems of the Town.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS OR DESIGNEE AT (561) 793-2418, [VOAKES@LOXAHATCHEEGROVESFL.GOV](mailto:VOAKES@LOXAHATCHEEGROVESFL.GOV), or 155 F ROAD, LOXAHATCHEE GROVES, FL 33470.**

9.12 **Preparation.** This Contract shall not be construed more strongly against either party regardless of who was more responsible for its preparation.

9.13 **Palm Beach County Inspector General.** In accordance with Palm Beach County ordinance number 2011-009, the Contractor acknowledges that this Contract may be subject to investigation and/or audit by the Palm Beach County Inspector General. The Contractor has reviewed Palm Beach County ordinance number 2011-009 and is aware of its rights and/or obligations under such ordinance.

9.14 **Delays.** Except where specifically provided for in the Contract Documents, the Contractor shall not be entitled to an increase in the price or payment or compensation of any kind from the Town for direct, indirect, consequential, impact or other costs, expenses or damages, including but not limited to costs of acceleration or inefficiency, arising because of delay, disruption, interference or hindrance from any cause whatsoever. Provided, however, and subject to sovereign immunity under section 768.28, Florida Statutes, that this provision shall not preclude recovery or damages by the Contractor for hindrances or delays due solely to fraud, bad faith or active interference on the part of the Town. Otherwise, the Contractor shall be entitled only to extensions of the contract times as the sole an exclusive remedy for such resulting delay, in accordance with and to the extent specifically provided above.

9.15 **Remedies; Enforcement Costs; Waiver of Jury Trial; Limitation of Liability.** No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity or by statute or otherwise. No single or partial exercise by any party of any right, power, or remedy hereunder shall preclude any other or further exercise thereof. Except as otherwise set forth in this Contract, if any legal action or other proceeding is brought for the enforcement of this Contract or the Contract Documents, or because of an alleged dispute, breach, default or misrepresentation in connection with any provisions of this Contract or the Contract Documents, each party shall be responsible for their own attorney's fees at all levels. **EACH PARTY ALSO AGREES AND VOLUNTARILY WAIVES ANY RIGHT TO A JURY TRIAL ARISING OUT OF**

**ALLEGED DISPUTE, BREACH, DEFAULT, MISREPRESENTATION OR ANY OTHER CLAIM IN CONNECTION WITH OR ARISING FROM ANY PROVISION OF THIS CONTRACT OR THE CONTRACT DOCUMENTS.** The Town shall not be liable to the Contractor for any special, incidental, or consequential damages of any kind whether or not caused by the Town’s negligence even if the parties have been advised of the possibility of such damages.

9.16 **Compliance with Laws.** Each of the parties agrees to perform its obligations under the Contract Documents in conformance with all laws, regulations and administrative instructions that relate to the parties’ performance of the work and under the Contract Documents.

9.17 **Ownership of Documents.** All documents, including but not limited to drawings, specifications, plans, reports, other items and data or programs stored in hard-copy, electronically or otherwise (collectively referred to as “Documents” hereafter), prepared by the Contractor or its subcontractors under this Contract shall be considered a “Work for Hire” and the exclusive property of the Town. To the extent such Documents may not be deemed a “Work for Hire” under applicable law, Contractor and Contractor’s Subcontractors will assign to the Town all right, title and interest in and to Contractor and/or Contractor’s Subcontractors’ copyright(s) for such Documents. Contractor shall execute and deliver to Town such instruments of transfer and take such other action that Town may reasonable request, including, without limitation, executing and filing, at Town’s expense, copyright applications, assignments and other documents required for the protection of Town’s right to such Documents. The Contractor shall retain copies of the Documents for a period of three (3) years from the date of completion of the Culvert Program. The Town grants to the Contractor and Contractor’s subcontractors the right and/or limited license to use a portion of the Documents prepared by the Contractor or the Contractor’s subcontractors in future projects of the Contractor or Contractor’s subcontractors with said right and/or limited license to use a portion at Contractor’s or Contractor’s subcontractor’s own risk and without any liability to Town. Any modifications made by the Town to any of the Contractor’s Documents, or any use, partial use or reuse of the Documents without written authorization or adaptation by the Contractor will be at the Town’s sole risk and without liability to the Contractor.

9.18 **Survivability.** Any provision of this Contract which is of a continuing nature or imposes an obligation which extends beyond the term of this Contract shall survive its expiration or earlier termination.

9.19 **Notice.** Any notice required to be given under the Contract Documents shall be sent by certified mail (return receipt requested) or by nationally recognized overnight courier as follows to the Town:

Town of Loxahatchee Groves  
Attn: Town Manager  
155 F Road  
Loxahatchee Groves, FL 33470

and to the Contractor as follows:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Either party may amend this provision by written notice to the other party.

9.20 **Conflicts of Interest.** The Contractor represents that it presently has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder, as provided for in Chapter 112, Part III, Florida Statutes, the Palm Beach County Code of Ethics, and the Town of Loxahatchee Groves Code of Ethics for Public Officers. The Contractor further represents that no person having any such conflicting interest shall be employed for said performance. The Contractor shall promptly notify the Town’s representative, in writing, of all potential conflicts of interest for any prospective business association, interest or other circumstance which may influence or appear to influence the Contractor’s judgment or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the Contractor may undertake and request an opinion of the Town as to whether the association, interest or circumstance would, in the opinion of the Town, constitute a conflict of interest if entered

into by the Contractor. The Town agrees to notify the Contractor of its opinion within thirty (30) days of receipt of notification by the Contractor. If, in the opinion of the Town, the prospective business association, interest or circumstance would not constitute a conflict of interest by the Contractor, the Town shall so state in the notification and the Contractor shall, at its option, enter into said association, interest or circumstance and it shall be deemed not in conflict of interest with respect to services provided to the Town by the Contractor under the terms of this Contract.

9.21 **Discrimination.** The Contractor warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, political affiliation, marital status, handicap, or sexual orientation. Further, Contractor shall not discriminate or permit discrimination against any employee or an applicant for employment on the basis of race, color, sex, religion, political affiliation, natural origin, ancestry, marital status, sexual orientation or handicap.

9.22 **Warranty.** Contractor warrants and guarantees to the Town that all work, including but not limited to all equipment, materials, parts and workmanship, will be in accordance with the requirements and technical specifications of the IFB and resulting Contract and not be defective. Contractor warrants that all materials and parts supplied under each work order shall be free from defects for one (1) year from the final completion of all work (unless a longer manufacturer warranty applies). Contractor warrants that all work performed under each work order will be free from defects for one (1) year from the final completion of all work. If, at any time prior to the expiration of the one (1) year warranty period, the Town discovers any failure or breach of the Contractor's warranties or the Contractor discovers any failure or breach of the Contractor's warranties, the Contractor will, upon written notice from Town or of its own accord, at the Contractor's sole cost and expense, promptly correct such failure or breach (which corrective action must include, without limitation, any necessary removal, disassembly, reinstallation, repair, replacement, reassembly, retesting, and/or re-inspection of any part or portion of the work and any other property damaged or affected by such failure, breach, or corrective action). The Contractor will remedy any such failure or breach so, to the extent possible, to avoid unnecessary disruptions to the operations of the Town or its drainage systems (and those of any dependent district). In the event the Contractor fails to initiate and diligently pursue corrective action within five (5) days of the Contractor's receipt of the Town's notice or the Contractor's discovery of the same, the Town may undertake such corrective action at the Contractor's expense. The Contractor's obligations under this section shall be limited to the cost of repair of the defective condition. The warranties herein are in addition to and not in lieu of any applicable implied warranties.

9.23 **Non-exclusive Contract.** This Contract is not intended to be and shall not be construed as an exclusive agreement, and the Town may employ additional or other contractors to perform services contemplated by this Contract without liability to the Town.

9.24 **Scrutinized Companies.** Contractor certifies that it and its subcontractors are not on the Scrutinized Companies that Boycott Israel List and are not engaged in the boycott of Israel. If this Contract is for goods or services in the amount of one million dollars or more, the Contractor certifies that it and its subcontractors are not on the Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies with Activities in the Iran Terrorism Sectors List, or engaged in business operations in Cuba or Syria. Pursuant to section 287.135, Florida Statutes, the Town may immediately terminate this Contract at its sole option if the Contractor or any of its subcontractors are found to have submitted a false certification; or if it or any of the Contractor's subcontractors, are placed on the Scrutinized Companies that Boycott Israel List or are engaged in a boycott of Israel, or are placed on the Scrutinized Companies with activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies with Activities in the Iran Terrorism Sectors List or are or have been engaged with business operations in Cuba or Syria during the term of this Contract.

The Contractor agrees to observe the above requirements for applicable subcontracts entered into for the performance of work under this Contract. The Contractor agrees that the certifications in this section shall be effective and relied upon by the Town for the term of this Contract, including any and all renewals. The Contractor agrees that if any of its subcontractors' status changes in regards to any certification herein, the Contractor shall immediately notify the Town of the same. As provided in Subsection 287.135(8), Florida Statutes, if federal law ceases to authorize the above-stated contracting prohibitions, then they shall become inoperative.

9.25 **E-Verify.** Pursuant to Section 448.095(5), Florida Statutes, the Contractor shall:

1. Register with and use the E-Verify system to verify the work authorization status of all new employees and require all subcontractors (providing services or receiving funding under this Contract) to register with and use the E-Verify system to verify the work authorization status of all the subcontractors' new employees;
2. Secure an affidavit from all subcontractors (providing services or receiving funding under this Contract) stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien;
3. Maintain copies of all subcontractor affidavits for the duration of this Contract;
4. Comply fully, and ensure all of its subcontractors comply fully, with Section 448.095, Florida Statutes;
5. Be aware that a violation of Section 448.09, Florida Statutes (Unauthorized aliens; employment prohibited) shall be grounds for termination of this Contract; and
6. Be aware that if the Town terminates this Contract under Section 448.095(5)(c), Florida Statutes, the Contractor may not be awarded a public contract for at least 1 year after the date on which the Contract is terminated and will be liable for any additional costs incurred by the Town as a result of the termination of the Contract.

9.26 **Human Trafficking.** Contractor, by signing this Contract (through an authorized representative) as set forth below, attests under penalty of perjury that the Contractor does not use coercion for labor or services as defined in Section 787.06 Florida Statutes.

9.27 **United States-Produced Iron and Steel Requirement.** Contractor acknowledges and agrees that any iron or steel product permanently incorporated in the project must be produced in the United States.

9.28 **Public Entity Crimes.** As provided in Sections 287.132-133, Florida Statutes, as amended from time to time, by entering into the Contract, Contractor certifies that it and its affiliates who will perform hereunder have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the thirty-six (36) months immediately preceding the date hereof.

9.29 **Access and Audits.** The Contractor shall maintain adequate records to justify all charges, expenses, and costs incurred in estimating and performing the services for at least three (3) years after completion of the Contract. The Town shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours and upon reasonable prior notice, at the Contractor's place of business. In no circumstances will Contractor be required to disclose any confidential or proprietary information regarding its products and service costs.

9.30 **Taxes.** The Town is exempt from the payment of Florida State Sales and Use Tax.

9.31 **Confidential and Proprietary Information.** Each party ("Receiving Party") will keep confidential and not disclose to any other person or entity or use (except as expressly and unambiguously authorized by this Contract) information, technology, or software ("Confidential Information") obtained from the other party ("Disclosing Party"); provided, however, that the Receiving Party will not be prohibited from disclosing or using information (that at the time of disclosure is publicly available or becomes publicly available through no act or omission of the Receiving Party, (ii) that is or has been disclosed to the Receiving Party by a third party who is not under, and to whom the Receiving Party does not owe, an obligation of confidentiality with respect thereto, (iii) that is or has been independently acquired or developed by the Receiving Party without access to the Disclosing Party's Confidential Information, (iv) that is already in the Receiving Party's possession at the time of disclosure, or (v) that is required to be released by law.

9.32 **Export Administration.** Each party agrees to comply with all export laws and regulations of the United States ("Export Laws") to assure that no software deliverable, item, service, technical data, or any direct product thereof arising out of or related to this Contract is exported directly or indirectly (as a physical export or a deemed export) in violation of Export Laws.

**IN WITNESS WHEREOF**, the Town and Contractor have caused this Contract for Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Over \$300,000) to be executed the day and year last executed below.

**TOWN OF LOXAHATCHEE GROVES**

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Anita Kane, Mayor

ATTEST:

Approved as to form and legal sufficiency:

\_\_\_\_\_  
Valerie Oakes, Town Clerk

\_\_\_\_\_  
Glen J. Torcivia, Town Attorney

**CONTRACTOR:**

\_\_\_\_\_

[Corporate Seal, if required]

By: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

STATE OF \_\_\_\_\_)  
COUNTY OF \_\_\_\_\_)

THE FOREGOING instrument was acknowledged before me by means of \_\_physical presence or \_\_online notarization on this \_\_\_\_ day of \_\_\_\_\_, 202\_\_, by \_\_\_\_\_ [name], as \_\_\_\_\_ [title] of \_\_\_\_\_ [company name], a \_\_\_\_\_ [type of company], authorized to do business in the State of Florida and who is personally known to me or who has produced the following as identification: \_\_\_\_\_, and who did take an oath that the facts stated with regard to section 787.06, Florida Statutes, as amended from time to time, are true and correct, and that he or she is duly authorized to execute the foregoing instrument and to bind \_\_\_\_\_ [company name], to the same.

[Notary Stamp]

\_\_\_\_\_  
Signature of Notary Public

**EXHIBIT A**  
**SAMPLE WORK ORDER**

**MASTER AGREEMENT:**  
**CONTRACT FOR CONTINUING SERVICES FOR CULVERTS –**  
**CONSTRUCTION, REPLACEMENT, MAINTENANCE, REPAIRS,**  
**AND INDIVIDUAL PROJECTS (INCLUDING THOSE OVER \$300,000)**

**WORK ORDER NO. \_\_\_\_\_**

THIS WORK ORDER UNDER THE CONTRACT FOR CONTINUING SERVICES FOR CULVERTS (“Work Order” hereafter) is made on the \_\_\_ day of \_\_\_\_\_, 202\_\_\_, between the **Town of Loxahatchee Groves**, a Florida municipal corporation (“Town” hereafter) and \_\_\_\_\_, a Florida corporation (“Contractor” hereafter).

**1.0 Project Description:**

The Town desires the Contractor to provide those construction services as identified herein pursuant to its Contract for Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Including Those Over \$300,000). The services are generally described as: \_\_\_\_\_ (the “Project”). The Project is more specifically described in the plans prepared by \_\_\_\_\_, dated \_\_\_\_\_, and which are incorporated herein by reference.

**2.0 Scope**

Under this Work Order, the Contractor will provide the Town with construction services for the Project as specified in the **Contractor’s proposal attached hereto and incorporated herein as Exhibit 1.**

**3.0 Schedule**

The services to be provided under this Work Order shall be substantially completed within \_\_\_\_\_ calendar days from the Town’s approval of this Work Order and issuance of a notice to proceed. Final completion shall be within \_\_\_\_\_ calendar days from the Town’s approval of this Work Order and issuance of a notice to proceed.

**4.0 Compensation**

This Work Order is issued for a lump sum, not to exceed amount of \$\_\_\_\_\_  
(\_\_\_\_\_). The attached proposal identifies all costs and expenses included in the lump sum, not to exceed amount. Such costs and expenses shall be in accordance with and based upon the Contract’s established unit prices.

**5.0 Project Manager**

The Project Manager for the Contractor is \_\_\_\_\_, phone: \_\_\_\_\_; email: \_\_\_\_\_; and, the Project Manager for the Town is \_\_\_\_\_, phone: \_\_\_\_\_; email: \_\_\_\_\_.

**6.0 Progress Meetings**

The Contractor shall schedule periodic progress review meetings with the Town Project Manager as necessary but every 30 days as a minimum.

**7.0 Contractor’s Representations**

In order to induce the Town to enter into this Work Order, the Contractor makes the following representations:

7.1 Contractor has familiarized itself with the nature and extent of the Contract Documents including this Work Order, work, site, locality, and all local conditions and laws and regulations that in any manner may affect cost, progress, performance or furnishing of the work.

7.2 Contractor has obtained at his/her own expense and carefully studied, or assumes responsibility for obtaining and carefully studying, soil investigations, explorations, and test reports which pertain to the subsurface conditions at or contiguous to the site or otherwise may affect the cost, progress, performance or furnishing of the work as Contractor considers necessary for the performance or furnishing of the work at the stated work order price within the Work Order stated time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of the IFB; and no additional examinations, investigations, explorations, tests, reports, studies or similar information or data are or is deemed necessary by Contractor for such purposes.

7.3 Contractor has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, studies or similar information or data in respect of said Underground Facilities are or is deemed necessary by the Contractor in order to perform and furnish the work under this Work Order price, within the Work Order time and in accordance with the other terms and conditions of the Contract Documents.

7.4 Contractor has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

7.5 Contractor has given the Town’s Contract Administrator written notice of all conflicts, errors or discrepancies that he or she has discovered in the Contract Documents and the written resolution thereof by Town or its designee is acceptable to the Contractor.

**8.0 Authorization**

This Work Order is issued pursuant to the Contract for Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Over \$300,000) between the Town and the Contractor, dated \_\_\_\_\_, 202\_\_ (“Contract” hereafter). If there are any conflicts between the terms and conditions of this Work Order and the Contract, the terms and conditions of the Contract shall prevail.

IN WITNESS WHEREOF, the parties hereto have made and executed this Work Order as of the day and year set forth above.

**TOWN OF LOXAHATCHEE GROVES**

By: \_\_\_\_\_  
Anita Kane, Mayor

ATTEST:

Approved as to form and legal sufficiency:



\_\_\_\_\_  
Valerie Oakes, Town Clerk

\_\_\_\_\_  
Glen J. Torcivia, Town Attorney

**CONTRACTOR:** \_\_\_\_\_

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

[Corporate Seal]

STATE OF \_\_\_\_\_)

COUNTY OF \_\_\_\_\_)

THE FOREGOING instrument was acknowledged before me by means of \_\_\_physical presence or \_\_\_online notarization on this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_, by \_\_\_\_\_ [name], as \_\_\_\_\_ [title] of \_\_\_\_\_, a \_\_\_\_\_, authorized to do business in the State of Florida and who is personally known to me or who has produced the following as identification:

\_\_\_\_\_.

[Notary Stamp]

\_\_\_\_\_  
Signature of Notary Public

**EXHIBIT B  
PUBLIC CONSTRUCTION BOND FORM**

**Record and Return to:**

**TOWN OF LOXAHATCHEE GROVES**  
**PAYMENT AND PERFORMANCE BOND**  
(Pursuant to sec. 255.05, Fla. Stat.)

Surety Bond No. \_\_\_\_\_

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

**CONTRACTOR:**

Name:  
Principal Business Address:

Telephone Number:

**SURETY:**

Name:  
Principal Business Address

Telephone Number:

**OWNER:**

Town of Loxahatchee Groves  
155 F Road  
Loxahatchee Groves, FL 33470  
(561) 793-2418

**CONTRACT: Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Over \$300,000)**

Contract Work Order No:  
Date:  
Amount:  
Description (Name and Location):  
General Description of Work:

**BOND**

Date (not earlier than Work Order Date):  
Amount:  
Modifications to this Bond Form:

BY THIS BOND, we, \_\_\_\_\_ as Principal, and \_\_\_\_\_, a corporation, as Surety, are bound to the **Town of Loxahatchee Groves, Florida**, herein called Owner, in the sum of \$ \_\_\_\_\_ (\_\_\_\_\_) for payment of which we bind ourselves, our heirs, personal representatives, successors and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the work set forth in the above noted Work Order and as further required in the **Contract for Continuing Services for Culverts – Construction, Replacement, Maintenance, Repairs, and Individual Projects (Over \$300,000)**, dated \_\_\_\_\_, 202\_\_, between Principal and Owner, with the Work Order, the Contract and all Contract Documents (as defined in the Contract) being made a part of this Bond by reference and hereafter referred to as the “Contract Documents,” at the times and in the manner prescribed in the Contract Documents or otherwise set forth in the Work Order; and
2. Promptly makes payments to all claimants, as defined in section 255.05(1) Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the Work Order and in accordance with the Contract Documents; and
3. Pays Owner all losses, damages, expenses, costs, and attorneys’ fees, including appellate proceedings, that Owner sustains because of a default by Principal under the Contract Documents; and
4. Performs the guarantee of all work and materials furnished under the Work Order and in accordance with the Contract Documents for the time specified in the Contract Documents, then this Bond is void, otherwise it remains in full force.

Whenever the Principal is declared by Owner to be in default under the Contract Documents, or whenever the Contract Documents have been terminated by default of the Principal, the Surety shall:

- a. Complete the work under the Work Order and Contract Documents in accordance with their terms and conditions; or,
- b. Obtain a bid or bids for submission to the Owner for completing the work under the Work Order and Contract Documents in accordance with their terms and conditions, and upon determination by the Owner and Surety of the best value bidder, arrange for a contract between such bidder and the Owner and make available sufficient funds to pay the costs of completion less the balance of the contract price and other costs and damages for which the Surety may be liable hereunder; but not exceeding the amount set forth above. The term “balance of the contract price” shall mean the total amount payable by the Owner to the Principal under the Work Order and any amendments or change orders thereto, less the amount properly paid by Owner to Principal.

The Surety expressly agrees to be bound by all Contract Documents terms and conditions related to liquidated, delay and time or impact-related damages. Surety shall be bound by the warranty or warranties contained in the Contract Documents and shall be responsible for any and all warranty obligations or damages as a result of latent defects or deficiencies in the work performed under the Contract.

The Surety shall and hereby agrees to indemnify the Owner and hold it harmless of, from and against any and all liability, loss, cost, damage or expense including reasonable attorneys’ fees, engineering and architectural fees or other professional service which the Owner may incur or which may accrue or be imposed upon Owner by reason of any negligence, default, act and/or omission of the Principal or any of its sub-contractors, agents, servants and/or employees, in, about or on account of the work and performance of the work in accordance with the Contract Documents by the Principal.

The Surety waives all rights against the Owner and its agents and employees for damages or other causes of loss by the Surety’s performance of its obligations under this Bond, including claims by Surety against Owner for costs it asserts were not warranted by the Contract Documents, excluding only such rights as the Surety shall have to proceeds of such insurance held by the Owner as fiduciary.

**Any action for payment instituted by a claimant under this Bond must be in accordance with the notice and time limitation provisions in Section 255.05(2) and 255.05(10), Florida Statutes.**

Any changes in or under the Contract Documents and compliance or noncompliance with any formalities connected with the Contract or any changes do not affect Surety's obligation under this Bond and Surety waives notice of such changes. This Bond shall remain in full force and effect through the warranty period provided in the Contract Documents.

Any action brought under this instrument shall be brought in the competent jurisdiction in and for Palm Beach County, Florida.

Dated on: \_\_\_\_\_

*(If sole Ownership or Partnership, two (2) Witnesses required). (If Corporation, Secretary only will attest and affix seal).*

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_.

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Title

(Corporate Seal)

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Surety

\_\_\_\_\_  
Attorney-in-Fact  
**(Attach Power of Attorney)**

\_\_\_\_\_  
Print Name

(Corporate Seal)

**TOWN OF LOXAHATCHEE GROVES**

**INVITATION TO BID (IFB) # 2025-01**

**ADDENDUM NO. 1**

Town of Loxahatchee Groves  
155 F Road  
Loxahatchee Groves, FL 33470  
(561) 793-2418

Addendum No.: **1**

IFB Number: **2025-01**

Date of Addendum: February 24, 2025

Due Date, Time: **March 6, 2025, at 2 PM**

Title: **INVITATION FOR BID FOR CONTINUING SERVICES FOR CULVERTS – CONSTRUCTION, REPLACEMENT, MAINTENANCE, REPAIRS, AND INDIVIDUAL PROJECTS (INCLUDING THOSE OVER \$300,000)**

**SCOPE OF ADDENDUM**

This addendum details additions/revisions to the IFB. Revisions to pre-existing language in IFB **2025-01**, are indicated either by strike through for deletions and underlining for insertions. The addendum also provides responses to questions and request for information submitted to the Town by email or brought forward at the Pre-Bid meeting.

**Revision 1 CHANGE**

Page 4, Fourth line under **TENTATIVE BID SCHEDULE**

**Proposals Due**                      **Thursday, ~~February~~ March 6, 2025 at 2 PM**

**Revision 2 CHANGE**

On Number 11 of the General Notes for the engineering plans for each of the 4 culvert replacement projects

**11. CONTRACTOR TO ~~DIG~~ REDIG THE CANAL TO NEW SECTION 450 LF IN EACH DIRECTION FROM END OF CULVERT FOR A LENGTH OF 50 FEET FROM EITHER SIDE OF THE END WALL OF THE CULVERT**

**Revision 3 PLAN CORRECTIONS**

Plan Corrections Engineering Plan for Collecting Canal Rd., 6<sup>th</sup> Ct N, and F Road Culvert:

Page 41 of 68 – The proposed elevations of the 96” CMP culvert pipe crossing Collecting Canal Road shall be at an elevation of 8.5’ NAVD, not 10’ NAVD.

Page 41 of 68 – The layout shown for the guard rail shall match the existing configuration. The end unit should be a rounded end unit.

**Revision 4 Clarification of Emergency Price**

With respect to the Schedule of Values on pages 19 -21, the Emergency Price should be based on the following assumption, the pricing will be based on a response to make temporary repairs and stabilize the condition within 36 hours and thereafter complete the project on an expedited basis.

**Response to Questions from the pre-bid meeting:**

1. Question: Date proposal on document states bid due on February 6, 2025.

a. Answer: There is a typo and the bid are due March 6, 2025.

2. Question: Number 11 on general notes: CONTRACTOR TO DIG CANAL TO NEW SECTION 450 LF IN EACH DIRECTION FROM END OF CULVERT PIPE 12, but on scope of project it states: Canal bank to be regraded with sand cement rip-rap and rubble rock rip-rap 20’ from the end wall and reshaped per detail extending 50’ from culvert. Which is correct?

a. Answer: For Note Number 11 – The contractor is to redig the canal for a length of 50 foot from either side of the end wall of the culvert.

3. Question: For Collective Canal, what is the thickness of the limerock?

a. Answer: The limerock layer shall be 12” compacted.

4. Question: Will the intersection on Collective Canal be closed?

a. Answer: The design parameters for this project is for Collecting Canal to be closed for the duration of the project. The other three culvert locations will be bypassed.

5. Question: Is a MOT required?

a. Answer: MOT is required in accordance with the FDOT requirements.

6. Questions: Is there an annual budget for the projects or are they budgeted individually?

a. Answer: The four culverts are budgeted for. Additionally, there is a budget line to install or modify at least 25 additional 18" culverts prior to September 30, 2025.

7. Question: Is a Bid Bond required for each item?

a. Answer: No, a single bid bond is required based on the price your company bid for the total amount of the specifically identified culvert projects that were bid on. If the bidder decided to bid on only one of the culvert projects the bid bond would be based on the amount bid for that culvert. If the bidder bid on all four of the culvert projects the bid bond would be based on the total proposed cost of all four culvert projects.

8. Question: Is original needed for Bid Bond?

a. Answer: Since electronic submittals will be accepted a copy of the bid bond will be necessary with the bid and the original bid bond must be received at Town Hall located at 155 F Road, Loxahatchee Groves, Florida 33470, by Monday March 10, 2025 at 2 PM.

9. Question: Where are pipes to be relocated?

a. Answer: The small existing culverts to be installed will shift over slightly to allow clearance from the large culvert being installed.

10. Question: Will there be a staging area?

a. Answer: As the intersection of Collecting Canal will be closed, that area can be used. As for the other sites, areas will be designated to accommodate staging.

### **Response to Questions received by February 14, 2025**

1. Question: Could you please provide details of the horse trail requested on F Road?

a. Answer: The horse trail section of F Rd shall consist of 12" Type B Stabilization (LBR40) with 2" of top soil cover and bahia sod on top. The grade slope should be no greater than 10:1.

2. Question: The scope of work on Canal Road specifies the installation of two (2) 60 LF 75" CMP culverts, but the plans indicate 72" CMP culverts. Please confirm the correct dimension.

a. Answer: The correct size is 72" CMP.

3. Question: The plans and details call for the use of CMP but do not specify the type. The specifications in the notes mention various pipe materials, including corrugated aluminum pipe and corrugated steel pipe. Please confirm the correct pipe material.

a. Answer: The correct pipe type is corrugated aluminum pipe.

4. Question: The plans for Folsom Road specify ABS pipe. Please confirm if ABS is the correct pipe material.

a. Answer: There is a typo and it should be ADS N-12 Dual Wall pipe as the correct pipe material.

5. Question: If ABS pipe is required, is there an alternate pipe material that can be used instead?

a. Answer: Alternates will be considered providing they meet the specification of the ADS Dual Wall N-12 pipe corrected in the previous question in this addendum.



**TOWN OF LOXAHATCHEE GROVES**

**INVITATION TO BID (IFB) # 2025-01**

**ADDENDUM NO. 2**

Town of Loxahatchee Groves  
155 F Road  
Loxahatchee Groves, FL 33470  
(561) 793-2418

Addendum No.: **2**

IFB Number: **2025-01**

Date of Addendum: March 12, 2025

Due Date, Time: **March 12, 2025, at 2 PM**

Title: **INVITATION FOR BID FOR CONTINUING SERVICES FOR CULVERTS – CONSTRUCTION, REPLACEMENT, MAINTENANCE, REPAIRS, AND INDIVIDUAL PROJECTS (INCLUDING THOSE OVER \$300,000)**

**SCOPE OF ADDENDUM**

This addendum details additions/revisions to the IFB. Revisions to pre-existing language in IFB **2025-01**, are indicated either by strike through for deletions and underlining for insertions. The addendum also provides responses to questions and request for information submitted to the Town by email or brought forward at the Pre-Bid meeting.

**Revision 1 CHANGE**

Page 4, Fourth line under **TENTATIVE BID SCHEDULE**

**Proposals Due**

~~Thursday, February March 6, 2025 at 2 PM~~  
**Wednesday, March 12, 2025 at 2 PM**

**Revision 2 SCHEDULE OF VALUES CORRECTION**

Schedule of Values Corrections – A new Schedule of Values is issued with this addendum adding Item R-24 – Rip Rap Sacks (FDOT Section 530 Compliant) per cubic yard.

Attachment				
Schedule of Values (Revised 3/5/2025)				
Item	Description of Bid Item	Unit	Standard Price	Emergency Price
<b>General Conditions</b>				
GC-1	Emergency Mobilization/Demobilization Costs for Utility Right-of-Way work	LS	--	
GC-2	NON-Emergency Mobilization/Demobilization Costs for Utility Right-of-Way work	LS		--
GC-3	M.O.T for Work Blocking Lane	EA		
GC-4	M.O.T. for Work Requiring Road Closure	EA		
GC-5	Density Tests (actual cost reimbursement by Town)	--	--	--
GC-6	Concrete 12" x 6" Cylinder Test (actual cost reimbursement by Town)	--	--	--
GC-7	Installation, Maintenance, and Removal of Temporary Road Entrance	EA		
<b>Furnish and install 18" (16 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-01	0' - 6' foot Deep	LF		
STM-02	6' - 8' foot Deep	LF		
<b>Furnish and install 24" (16 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-03	0' - 6' foot Deep	LF		
STM-04	6' - 8' foot Deep	LF		
<b>Furnish and install 36" (14 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-05	0' - 6' foot Deep	LF		
STM-06	6' - 8' foot Deep	LF		
STM-07	8' - 10' foot Deep	LF		
<b>Furnish and install 48" (12 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-08	0' - 6' foot Deep	LF		
STM-09	6' - 8' foot Deep	LF		
STM-10	8' - 10' foot Deep	LF		
STM-11	10' - 12' foot Deep	LF		
<b>Furnish and install 60" (10 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-11	0' - 6' foot Deep	LF		
STM-12	6' - 8' foot Deep	LF		
STM-13	8' - 10' foot Deep	LF		
STM-14	10' - 15' foot Deep	LF		
<b>Furnish and install 72" (10 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-15	0' - 6' foot Deep	LF		
STM-16	6' - 8' foot Deep	LF		
STM-17	8' - 10' foot Deep	LF		
STM-18	10' - 15' foot Deep	LF		
<b>Furnish and install 96" (8 Gauge) CMP Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-19	0' - 6' foot Deep	LF		
STM-20	6' - 8' foot Deep	LF		
STM-21	8' - 10' foot Deep	LF		
STM-22	10' - 15' foot Deep	LF		
<b>Furnish and install 18" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-23	0' - 6' foot Deep	LF		
STM-24	6' - 8' foot Deep	LF		
<b>Furnish and install 24" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-25	0' - 6' foot Deep	LF		
STM-26	6' - 8' foot Deep	LF		
<b>Furnish and install 36" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-27	0' - 6' foot Deep	LF		
STM-28	6' - 8' foot Deep	LF		

<b>Attachment</b>				
<b>Schedule of Values (Revised 3/5/2025)</b>				
<b>Item</b>	<b>Description of Bid Item</b>	<b>Unit</b>	<b>Standard Price</b>	<b>Emergency Price</b>
STM-29	8' - 10' foot Deep	LF		
<b>Furnish and install 48" ADS Storm Water Culvert in Right-of-Way at a depth of:</b>				
STM-30	0' - 6' foot Deep	LF		
STM-31	6' - 8' foot Deep	LF		
STM-32	8' - 10' foot Deep	LF		
STM-33	10' - 12' foot Deep	LF		
<b>Furnish and install new FDOT approved Standard Precast Concrete 48" "C" Inlet Structure w/Frame and grate in Utility Right of Way at a depth of:</b>				
STM-34	0' - 4' foot Deep	EA		
STM-35	4' - 6' foot Deep	EA		
STM-36	6' - 8' foot Deep	EA		
STM-37	Optional Pollution Control Device	EA		
<b>Restoration</b>				
R-1	Removal and disposal of 6" thick concrete	SF		
R-2	Furnish & Install 4" Concrete without wire	SF		
R-3	Furnish & Install 6" Concrete without wire	SF		
R-4	Furnish & Install Florida Department of Transportation "D" Curb - by hand	LF		
R-5	Furnish & Install Florida Department of Transportation "D" Curb - by machine	LF		
R-6	Furnish & Install Florida Department of Transportation "F" Curb - by hand	LF		
R-7	Furnish & Install Florida Department of Transportation "F" Curb - by machine	LF		
R-8	Furnish & Install Florida Department of Transportation Valley Gutter - by hand	LF		
R-9	Furnish & Install Florida Department of Transportation Valley Gutter - by machine	LF		
R-10	Furnish & Install Bahia Sod - up to 1,000 SF	SF		
R-11	Furnish & Install Bahia Sod - over to 1,000 SF	SF		
R-12	Furnish & Install Floratam Sod - up to 1,000 SF	SF		
R-13	Furnish & Install Floratam Sod - over to 1,000 SF	SF		
R-14	Furnish & Install Florida Department of Transportation Seed & Mulch Mix	SF		
R-15	Furnish Operator, Water Truck, and Irrigate Sod or Seed Mix	HR		
R-16	Removal and disposal of Existing Asphalt Pavement	SY		
R-17	Mill Existing Pavement (3/4" - 1" average)	SY		
R-18	Furnish and Install Asphalt Overlay, Type SP-12.5 (3/4" - 1" average)	SY		
R-19	Furnish and Install 2-1/2" Type SP-12.5 Asphalt	SY		
R-20	Florida Department of Transportation Section 121 Flowable Fill (Excavatable)	CY		
R-21	Base shell rock Florida Department of Transportation Code 11	SY		
R-22	6" Lime rock/Crushed Concrete Base, primed	SY		
R-23	8" Lime rock/Crushed Concrete Base, primed	SY		
R-24	Rip Rap Sacks (FDOT Section 530 Compliant)	CY		
R-25	12" Compacted Subgrade, 98% T-180	SY		
<b>Well Point System and De-Watering</b>				
WP-1	Well Point system up to 150 points complete with pump and jetting equipment and monitoring	DAY		
<b>Imported Backfill &amp; Removal of In-Situ Material</b>				
BF-1	Removal & Disposal of unsuitable in-situ material/soil	CY		
BF-2	Imported Backfill & compaction	CY		