

EXHIBIT "A"
SB-20120008
ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
GENERAL REQUIREMENTS

pay the expenses of such removal and after ten (10) days written notice being given by the ENGINEER of his intent to see the materials, the CITY may sell the materials and shall pay to the CONTRACTOR the net proceeds there from after deducting all the costs and expenses that are incurred by the CITY. The ENGINEER may act as the CITY's authorized representative in the aforementioned actions.

7.11 COMPENSATION FOR CHANGES IN THE WORK

If conditions require a change in the scope of work or additional work, varying from the original Plans or Specifications, such change shall be effected by the CONTRACTOR when a written Change Order is issued by the CITY. The Change Order shall set forth in complete detail the nature of the change, the change in the compensation to be paid the CONTRACTOR and whether it is an addition or a reduction of the original total contract cost. Should additional or supplemental drawings be required, they will be furnished by the ENGINEER.

Authorized Changes in Work. Where the CITY designates the pay quantity for an item to be a lump sum and the plans show an estimated quantity, the CITY will adjust compensation for that item proportionately when an authorized plan change is made, which results in an increase or decrease in the quantity of that item. When the plans do not show an estimated plan quantity or the applicable specifications do not provide adjustments for contingencies, the CITY will compensate for any authorized plan change resulting in an increase or decrease in the cost of acceptably completing the item by establishing a new unit price through a Change Order.

Compensation to be paid to the CONTRACTOR for accomplishing the work of a Change Order shall be established in one of the following ways:

- A. By lump sum proposed by the CONTRACTOR and accepted by the CITY.
- B. By unit prices established and agreed to by all parties.
- C. By unit prices established for additional kinds of work.
- D. By other methods as may be mutually agreed upon.

Compensation for home office overhead and other related costs shall not be allowed in extra charges. No extra work shall be completed until the CITY and CONTRACTOR have agreed, in writing, on the method and compensation for the extra work.

7.12 CANCELLED ITEMS OF WORK

The CITY shall have the right to cancel those portions of the contract relating to the construction of any item provided therein. Such cancellation, when ordered by the CITY in writing, shall entitle the CONTRACTOR to the payment of a fair and equitable amount covering all costs incurred by him pertaining to the canceled items before the date of cancellation or suspension of the work. The CONTRACTOR shall be allowed a profit percentage on the materials used and on construction work actually done, at the same rates as provided for "Changes in the Work", but no allowance will be made for anticipated profits. Acceptable materials ordered by the CONTRACTOR or delivered on the site before the date of such cancellation or suspension shall be purchased from the CONTRACTOR by the CITY at actual cost and shall thereupon become the property of the CITY.

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Upon cancellation of an item, the CONTRACTOR shall not be compensated for home office and overhead costs.

7.13 PAYMENT FOR WORK SUSPENDED BY THE CITY

If the work or any part thereof shall be suspended by the CITY, as provided in General Requirements, the CONTRACTOR will not be entitled to payment for work done.

7.14 PAYMENT FOR WORK BY THE CITY

The cost of the work performed by the CITY removing construction equipment, tools and supplies and in correcting deficiencies shall be paid by the CONTRACTOR.

7.15 PAYMENT FOR WORK BY CITY FOLLOWING TERMINATION OF CONTRACT

Upon termination of the contract by the CITY no further payments shall be due the CONTRACTOR until the work is completed and accepted by the CITY. The cost incurred by the CITY as herein provided shall include the cost of CONTRACTOR and other expenses incurred by the CITY through the CONTRACTOR's default.

7.16 PAYMENT FOR WORK SUSPENDED BY THE CONTRACTOR

Upon suspension of the work by the CONTRACTOR, and upon CITY approval, the CONTRACTOR shall recover payment from the CITY for the work performed.

7.17 RELEASE OF LIENS (INTERIM/FINAL)

The CONTRACTOR shall deliver, with each request for payment, a completed Affidavit and Release of Lien on a form supplied by the CONTRACTOR. Also, from each supplier or subcontractor who has notified the CITY of his right to file a lien (Notice to Owner) or who is listed in the CONTRACTOR's Affidavit and Release of Lien as an unpaid, potential Lienor, a Lienor's Sworn Statement of Account, executed by the supplier or subcontractor, must be attached to each request for payment.

If the completed forms are not supplied with the request for payment, the CITY will request said completed form(s) from the potential Lienor by receipt mail, and hold payment until the provisions below are met.

If no reply is received within thirty (30) days and/or all of the CITY's Demand for a Lienor's Sworn Statement of Account indicates that no monies are due, payment in the amount of the approved request shall be made.

However, if there are outstanding payments due to any suppliers or Subcontractors, the CITY may make joint payments to the CONTRACTOR and the unpaid supplier(s) and/or Subcontractor(s).

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7.18 ACCEPTANCE AND FINAL PAYMENT

The CONTRACTOR shall furnish full and final releases of lien for labor, materials and equipment incurred in connection with the work certified As-Builts, following which the CITY will release the CONTRACTOR except as to the conditions of the performance bond, any legal rights of the CITY, required guarantees and satisfaction of all warranty work, and shall authorize payment of the CONTRACTOR's final request for payment.

Maintenance until Acceptance. Maintain all work until the ENGINEER has given final acceptance in accordance with FDOT Standard Specification Section 5-11.

Inspection for Acceptance. Upon notification that all contract or all contract work on the portion of the contract scheduled for acceptance, has been completed, the ENGINEER will make an inspection for acceptance. The inspection will be made within seven days of the notification. If the ENGINEER finds that all work has been satisfactorily completed, the CITY will consider such inspection as the final inspection. If any or all of the work is found to be unsatisfactory, the ENGINEER will detail the remedial work required to achieve acceptance. Immediately perform such remedial work. Subsequent inspections will be made on the remedial work until the ENGINEER accepts all work.

Upon satisfactory completion of the work, the CITY will provide written notice of acceptance, either partial, conditional or final, to the CONTRACTOR.

Until final acceptance in accordance with FDOT Standard Specification Section 5-11, replace or repair any damage to the accepted work. The cost of such work will be negotiated.

Partial Acceptance. At the ENGINEER's sole discretion, the ENGINEER may accept any portion of the work under the provisions of FDOT Standard Specification Section 5-10.2.

Conditional Acceptance. The ENGINEER will not make, or consider requests for conditional acceptance of a project.

Final Acceptance. When, upon completion of the final construction inspection of the entire project, the ENGINEER determines that the CONTRACTOR has satisfactorily completed the work, the ENGINEER will give the CONTRACTOR written notice of final acceptance.

7.19 TERMINATION OF CONTRACTOR'S RESPONSIBILITY

The Contract will be considered complete when all work has been finished, the final construction review is made by the "Engineer of Record," and the project accepted in writing by the CITY. The CONTRACTOR's responsibility shall then cease, except as set forth in his performance bond, as required by the guarantee period in accordance with the General Requirements.

7.20 SATISFACTION OF WARRANTY WORK AFTER FINAL PAYMENT

The making of the final payment by the CITY to the CONTRACTOR shall not relieve the CONTRACTOR of responsibility for faulty materials or workmanship. The CITY shall promptly

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give written notice of faulty materials and workmanship and the CONTRACTOR shall promptly replace any such defects discovered within one (1) year from the date of final written acceptance of the work by the CITY.

ARTICLE 8
MISCELLANEOUS

8.1 ADDRESSES FOR NOTICES

All notices given under or in connection with any of the Contract Documents shall be delivered in person or by telegraph or registered or certified mail to the parties at the address as either party may by notice designate.

8.2 TAXES

CONTRACTOR shall pay all sales or other taxes of any type which may be incurred in connection with the work hereunder, and shall reimburse the CITY for any such taxes paid by the CITY.

8.3 NO WAIVER OF LEGAL RIGHTS

Neither the payment for, nor acceptance of the whole or any part of the work by the CITY or representatives of the CITY, nor any extension of time, nor the withholding of payments, nor any possession taken by the CITY, nor the termination of employment of the CONTRACTOR shall operate as a waiver of any portion of the Contract or any power therein reserved or any right therein reserved or any right therein provided.

8.4 MAINTENANCE OF TRAFFIC

Traffic control devices shall conform to the governing sections of the FDOT Specifications. Construction access to adjacent parcels must be maintained *at all times*.

If critical short-term construction operations require temporary road detours, the CITY will be given at least forty-eight (48) hours prior written notice for consideration of approval. These operations should be planned for weekend, nighttime, and off-peak hours, when possible, subject to the approval of the CITY. CONTRACTOR will be required to provide off-duty Port St. Lucie Police Officers for this operation. The cost for police officers and required inspection personnel is to be included within the various payment items at no additional cost to the CITY.

The CONTRACTOR shall be responsible for keeping all law enforcement, fire protection, and ambulance agencies informed, in advance of his construction schedules, by notification to the City Engineering Department, **forty-eight (48) hours** in advance, in the event of detour of any roadway. The City Engineering Department will distribute the information to the appropriate agencies, including the news media, if required.

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The CONTRACTOR shall be responsible for the proper maintenance, control, and detour of traffic in the area during the construction. All traffic control and maintenance procedures shall be in accordance with the requirements of the FDOT Standard Specifications and the Contract Documents. Any and all costs associated, including any nighttime operations, with the approved M.O.T. Plans shall be included in the appropriate Bid item for maintenance of traffic (M.O.T).

All traffic control signs and devices, barricades, flashers, flambeaus, and similar devices, shall be furnished and maintained by the CONTRACTOR.

Excavated or other material stored adjacent to or partially upon a roadway pavement shall be adequately marked for traffic and pedestrian safety at all times. Necessary access to adjacent property shall be provided at all times.

The CONTRACTOR shall be responsible for performing daily inspections, including weekends and holidays, with weekly inspections at night time, of the installations on the project and the replacement of all equipment and devices not conforming to the approved standards during that inspection. Additional night time inspections may be required if deemed necessary by the CITY or ENGINEER. The project personnel will be advised of the schedule of these inspections and be given the opportunity to join in the inspection as deemed necessary.

8.5 ACCESS AND RESTORATION

The CONTRACTOR's attention is directed to the access and restoration requirements for driveways and swales. These requirements are contained on the drawings and in the Technical Specifications. They include time limits for work completion by the CONTRACTOR and actions by the CITY for non-completion.

The CONTRACTOR shall not block access to driveways except where same area is to be removed and replaced. The CONTRACTOR shall give twenty-four (24) hours advance written notice to the resident or occupant of the property of driveway removal and replacement operations and supply the CITY's representative a copy of same. Access shall be maintained to property of a commercial operation either via the driveway or a reasonable alternative route. The CONTRACTOR shall coordinate such an alternative route with the operator of the commercial operation. Traffic control devices shall conform to Section 102-2.1 of the FDOT Standard Specifications. Unless approved in writing by the ENGINEER, each driveway shall be prepared so as to allow access by the residents, at the end of each workday.

8.6 PROTECTION OF WORK

The CONTRACTOR shall protect his work throughout its length by the erection of suitable barricades and handrails; where required. He shall further indicate this work at night by the maintenance of suitable lights or flares, especially along or across thoroughfares. Whenever it is necessary to cross a public walk, he shall provide a suitable safe walkway with hand railings. He shall also comply with all laws or ordinances covering the protection of such work and the safety measures to be employed therein. The CONTRACTOR shall carry out his work so as not to deny access to private property. All utility access manholes, valves, fire hydrants, and letterboxes shall be kept accessible at all times.

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8.7 DUST CONTROL

The CONTRACTOR will be responsible to provide adequate dust control on the project. The CONTRACTOR at a minimum is required to provide watering of the project limits to avoid excessive dust. The CITY requests the use of non-potable water for dust control. The ENGINEER will only notify the CONTRACTOR one time of inadequate dust control. If the CONTRACTOR fails to respond within two (2) hours, then the CITY will provide dust control and back charge the CONTRACTOR.

8.8 NOISE CONTROL

The CONTRACTOR shall be responsible for continuously monitoring the noise levels of equipment during construction. Noise levels must be kept to a minimum at all times, particularly during any work permitted beyond the normal working hours, classified as 7 AM to sundown. Any work performed before or after these hours requires a noise permit from the CITY. The CONTRACTOR shall provide forty-eight (48) hours of notice prior to construction at night.

The CONTRACTOR must comply with the applicable noise level limits and requirements of the City of Port St. Lucie Noise Ordinance. Citations for violations of this ordinance must be resolved by the CONTRACTOR at his expense, including, but not limited to, replacing equipment with quieter equipment, relocating equipment to a less bothersome location, providing temporary structures of sound deadening/dampening materials.

8.9 SALVAGEABLE ITEMS

Unless otherwise specified, all salvageable items or materials (including fill), as determined by ENGINEER, shall remain the property of the CITY. The CONTRACTOR will stockpile salvaged items or materials at a designated CITY site. Typical examples of salvaged items are valves, hydrants, guardrail, etc. Items deemed to not be salvageable shall be disposed of by the CONTRACTOR.

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ATTACHMENT F
SB #20120008
St. Lucie North Drainage Basin Improvements

29 CFR 5.5 - Contract provisions and related matters. Davis Bacon Regulations

- **Section Number:** 5.5
 - **Section Name:** Contract provisions and related matters.
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(a) The Agency head shall cause or require the contracting officer to insert in full in any contract in excess of \$2,000 which is entered into for the actual construction, alteration and/or repair, including painting and decorating, of a public building or public work, or building or work financed in whole or in part from Federal funds or in accordance with guarantees of a Federal agency or financed from funds obtained by pledge of any contract of a Federal agency to make a loan, grant or annual contribution (except where a different meaning is expressly indicated), and which is subject to the labor standards provisions of any of the acts listed in Sec. 5.1, the following clauses (or any modifications thereof to meet the particular needs of the agency, provided, that such modifications are first approved by the Department of Labor):

(1) Minimum wages.

(a) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in Sec. 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(2) Classifications of Workers:

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TECHNICAL SPECIFICATIONS

ROADWAY, DRAINAGE, GRASSING

<u>Paragraph</u>	<u>Description</u>
1	Standard Specifications
2	Scope Of Work
3	Measurement And Basis Of Payment
4	Utilities
5	Borrow And Waste
6	Testing
7	Survey Work, Construction Layout, and As-Built Drawings
8	Water Resources
9	Fish And Wildlife Resources
10.....	Erosion And Sediment Control Measures
11	Environmental Protection
12	Clearing And Grubbing
13.....	Control And Disposal Of Waste
14	Dust Control
15	Excavation/Embankment
16	Excavation And Dewatering
17.....	Stabilizing
18.....	Base Course
19	Hot Bituminous Mixtures – Plant, Methods and Equipment
20	Inlets, Manholes, Endwalls And Mitered End Sections
21	Pipe Culverts
22.....	Articulating Concrete Block (ACB) Mat
23.....	Riprap (Rubble)
24.....	4" Concrete Sidewalk
25	Sodding
26.....	Reflective Pavement Markers
27.....	Painting Traffic Stripes and Markings
28	Thermoplastic Stripes and Markings
29	Project Schedule
30	Irrigation Repair Allowance
31	Utility Repair Allowance
32.....	Utilities (PSLUSD)
33	Steel Items Restoration

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1. **STANDARD SPECIFICATIONS** - All work shall conform to the "Florida Department of Transportation Standard Specifications for Road and Bridge Construction" (2010 Edition), unless stated otherwise. Any reference in the FDOT Standard Specifications to the ENGINEER or Department shall mean the ENGINEER on this project. Specific references are made to certain portions of the FDOT Standard Specifications to facilitate the CONTRACTOR.

Any reference to "FDOT Standard Indexes" shall mean the FDOT Design Standards (2010 Edition).

2. **SCOPE OF WORK** - Shall be as shown and described in the Contract Documents.

3. **MEASUREMENT AND BASIS OF PAYMENT**

- A. Progress Payments

1. Measurement of quantities for progress payments shall be made by the CONTRACTOR. Such measurements are subject to the ENGINEER's review and correction.
 2. Measurements for progress payments shall be made on in-place quantities in accordance with the Contract Form General Requirements. Requests for partial payment for materials on order, in warehouse or yard, or stockpiled on the project site will be accepted or denied at the CITY's discretion.
 3. No item will be accepted for progress payment until all required testing has been successfully completed.

- B. Final Payment

1. Final payment will not be made on any portion of the contract until the entire scope of work under this contract is complete.
4. **UTILITIES** - The CONTRACTOR shall be required to coordinate all work when necessary with the various utility companies in order that utility service may be maintained. The CONTRACTOR shall exercise due caution when working adjacent to such utilities. Any damage to the utilities resulting from the CONTRACTOR's operations shall be repaired at his expense. The ENGINEER has reflected on the plans those utilities he is aware of. The locations shown are approximate only. Any work involving conflict with utility companies shall be coordinated promptly without any delay to the project.
5. **BORROW & WASTE** - If available, sources of borrow for this project are identified in the Special Conditions. Any borrow needed for this project shall be provided by the CONTRACTOR at no additional expense to the CITY. Unless specified otherwise by the CITY, waste material shall be disposed of at an appropriate disposal facility.

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6. **TESTING** - Testing shall be at the expense of the CITY, except that any test not meeting specification requirements shall be charged to the CONTRACTOR. An Independent Testing Laboratory shall be selected by the CITY to provide testing services as directed by the ENGINEER. The testing laboratory shall mail a copy of all test reports directly to the CONTRACTOR with a copy to the ENGINEER. The CONTRACTOR shall forward all sign and sealed test reports for materials and components to the ENGINEER. Test reports shall include the following data:

1. Project Name and No.	7. Date of Testing
2. ENGINEER's Name	8. Technician Testing
3. CITY's Name	9. Test Results
4. CONTRACTOR's Name	10. Specification Requirements
5. Date of Sampling	11. Whether or not test meets specification requirements
6. Technician Sampling	12. Signature of Supervising Professional ENGINEER

The CONTRACTOR shall notify the ENGINEER when he has portions of the work ready for testing. The CONTRACTOR shall be responsible for contracting and scheduling all testing through the CITY's selected testing facility.

The CONTRACTOR shall provide for testing of all work efforts in accordance with the appropriate FDOT Standards.

The CONTRACTOR shall be responsible for scheduling all testing required through the CITY's independent Geotechnical Engineer and Testing Laboratory. The CONTRACTOR shall give the ENGINEER (CEI) and the Geotechnical Engineer at least one (1) day's prior notice of readiness of the work for all required inspections, tests or approvals. Should standby time occur by the testing field technician, time in excess of one (1) hour waiting for scheduled work to be completed prior to performing any required test per working day will be charged directly to the CONTRACTOR, unless previously approved by CITY. Any test not meeting specification requirements shall be charged directly to the CONTRACTOR.

7. **SURVEY WORK, CONSTRUCTION LAYOUT, AND AS-BUILT DRAWINGS -**

Construction layout for horizontal and vertical control shall be performed by the CONTRACTOR. Horizontal and vertical control points are shown on the Construction Plans. CONTRACTOR shall keep one record copy of all specifications, prints, drawings, addenda, modifications and shop drawings at the site in order, and annotated to show all changes made during the construction process. CONTRACTOR shall provide ENGINEER and CITY one (1) digital file in AutoCAD format of the As-Built drawings for the entire project as well as six sets of prints signed and sealed by a licensed surveyor and one set of mylars. The ENGINEER will provide a CADD drawing in AutoCAD as a basis for the record drawings. The As-Built drawings are to be delivered by the CONTRACTOR to the ENGINEER within thirty (30) days of Final Completion. This is critical for the certification

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of the facilities to the CITY and various regulatory agencies. Final payment will not be made until As-Built drawings are received and approved by the CITY.

- 8. WATER RESOURCES** - The CONTRACTOR shall not discharge without permit into the waters of lakes, rivers, canals, waterways and ditches, any fuels, oils, bitumen's, garbage, sewage, or other materials which may be harmful to fish, wildlife, or vegetation, or that may be detrimental to outdoor recreation. The CONTRACTOR shall be responsible for investigating and complying with all applicable federal, state and local laws and regulations governing pollution of waters. All work under this contract shall be performed in such a manner that objectionable conditions will not be created in waters through or adjacent to the project areas. If a violation is noted during construction, all construction shall cease until the condition is corrected, at no additional cost to the CITY.

Turbidity: The CONTRACTOR shall exercise extreme care to minimize degradation of water quality at the site. All necessary provisions shall be taken to ensure compliance with the water quality standards of the State of Florida. Attention is called to Chapter 17-3, Florida Administrative Code. Adequate silt containment procedures and equipment shall be used to control turbidity within state standards.

Water Quality Measurements: When required by any Governmental Agency, the CONTRACTOR shall make water quality/turbidity measurements and submit to Agency and ENGINEER, in addition to those required herein, assuring construction operations are in compliance with the Standards of 17-3, F.A.C. All water quality measurements shall conform to the test methods specified in Chapter 40, Part 136 of the Code of Federal Regulations.

Disposal: If any waste material is dumped in unauthorized areas, the CONTRACTOR shall remove the material and restore the area to the condition of the adjacent undisturbed area. If necessary, contaminated ground shall be excavated, disposed of as directed by the ENGINEER and replaced with suitable fill materials, compacted and finished with topsoil, all at the expense of the CONTRACTOR.

Method of Measurement and Basis of Payment: All materials, labor and equipment needed to prosecute the work required by this Specification shall be carried out by the CONTRACTOR as incidental to the bid price of the various bid items of this Contract, with no additional cost to be incurred by the CITY.

- 9. FISH AND WILDLIFE RESOURCES** - The CONTRACTOR shall at all times perform all work and take such steps required to prevent any interference or disturbance to fish and wildlife. The CONTRACTOR shall not be permitted to alter water flows or otherwise significantly disturb native habitat adjacent to the project area which are critical to fish and wildlife except as may be indicated or specified.

Method of Measurement and Basis of Payment: All materials, labor and equipment needed to prosecute the work required by this Specification shall be carried out by the

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CONTRACTOR as incidental to the bid price of the various bid items of this Contract, with no additional cost to be incurred by the CITY.

- 10. EROSION AND SEDIMENT CONTROL MEASURES** - Earthwork brought to final grade shall immediately be finished as indicated and specified. All earthworks shall be planned and conducted in such a manner as to minimize the duration of exposure of unprotected soils. Protection to erosion shall be furnished by grassing exposed slopes and unprotected soils.

Such methods as may be necessary shall be utilized on areas to effectively prevent erosion and control sedimentation:

The CONTRACTOR shall employ adequate silt containment measures and/or procedures during construction activities to control turbidity within the limits required by local, state and/or federal law and/or permit requirements.

Separate pay items for some Temporary Erosion control items are included in this Contract. The quantities to be paid under these items will be for the contract Unit Bid price for the specific item. When other items for temporary erosion control are needed, but no provision has been made for separate items in this Contract, all materials, labor and equipment needed to prosecute the work required by this Specification shall be carried out by the CONTRACTOR as incidental to the bid price of the various bid items of this Contract, with no additional cost to be incurred by the CITY.

The CONTRACTOR shall, as "operator of the facility", obtain an NPDES permit through the Florida Department of Environmental Protection for the Project. The ENGINEER'S erosion control plan is an example of items that partially may be needed to prevent erosion. The CONTRACTOR is responsible to enhance these items as needed to comply with the NPDES and State Water Quality Guidelines. Any enhancements are considered incidental to the cost of Erosion / Sediment Control. The CONTRACTOR is responsible for any fees associated with the NPDES permitting process. The CONTRACTOR shall further, provide, install, maintain, monitor, and remove the required erosion and sediment control measures on and around the project site as needed to prevent pollution of water, detrimental effects to public or private property or damage to the work of the project. CONTRACTOR shall construct and maintain temporary erosion control features or, where practical, construct and maintain permanent erosion control features as shown in the plans, or as may be directed by the ENGINEER. The CONTRACTOR shall use temporary erosion and water pollution control features that consist of, but are not limited to, temporary grassing, temporary sodding, temporary mulching, sandbagging, slope drains, sediment basins, sediment checks, berms, baled hay or straw, floating turbidity barrier, temporary pipe plugs, staked turbidity barrier and silt fence.

All required NPDES monitoring and inspection requirements shall be considered incidental to the cost of construction.

- 11. ENVIRONMENTAL PROTECTION** - In order to prevent and to provide for abatement

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and control of any environmental pollution arising from the work of the CONTRACTOR and his Subcontractors in the performance of this Contract, the CONTRACTOR shall comply with all applicable federal, state and local laws and regulations concerning environmental pollution control and abatement, and all applicable provisions of the Army Corps of Engineers manual, EM 385-1-1, entitled General Safety Requirements, in effect on the date of the work, as well as the specifications, including the Corps of Engineers and Florida Department of Environmental Protection permits, if applicable to this project.

The CONTRACTOR shall provide and maintain environmental protection during the term of the Contract. Environmental protection measures shall be provided to control pollution that develops during normal earthwork, dredging and/or construction practices. The CONTRACTOR's operations shall comply with all federal, state, and local regulations pertaining to water, air, solid waste and noise pollution. Compliance with the provisions of this Specification by Subcontractors shall be the responsibility of the CONTRACTOR.

All materials, labor and equipment needed to prosecute the work required by this Specification shall be carried out by the CONTRACTOR as incidental to the bid price of the various bid items of this Contract, with no additional cost to be incurred by the CITY.

12. CLEARING AND GRUBBING - This item includes the clearing, grubbing, removal and disposal of all trees, bushes, shrubs, grass and other vegetation which is located within the limits of construction for the entire project including, but not limited to, the existing lateral ditches, proposed detention pond areas, and off-site construction areas unless otherwise specifically noted on the plans. This item shall include all costs associated with the proper removal and disposal of each item, including sanitary landfill fees. All work shall be performed in accordance with the appropriate governing jurisdictional requirements for material handling and disposal. Clearing and grubbing shall be as defined under Section 110 of the FDOT Standard Specifications. Also included in the work under this Specification is certain other miscellaneous work necessary for the complete preparation of the project site as follows:

- A. Standard Clearing and Grubbing shall be done in accordance with Sub-Sections 110-2 and 110-4 of the FDOT Standard Specifications. Payment shall be per the Contract Unit Price for this item.
- B. Removal of debris resulting from clearing, or clearing and grubbing, operations shall be removed from the site and disposed of in an approved manner. Payment shall be per the Contract Unit Price for this item.

The construction site shall be cleared as required and all areas upon which utility piping, structures, concrete slabs, foundations or pavement is to be placed shall be cleared and grubbed. This work also includes the removal of existing pipe culverts, guardrails, concrete, curbing, stormwater inlets, flexible pavement, and concrete headwalls as shown in the construction plans. The CONTRACTOR is expected to visit the site of the work and determine for himself the extent of clearing and grubbing necessary for his construction operations.

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When other clearing and grubbing items are needed, but no provision has been made for separate items in this Contract, all materials, labor and equipment needed to prosecute the work required by this Specification shall be carried out by the CONTRACTOR as incidental to the bid price of the various bid items of this Contract, with no additional cost to be incurred by the CITY.

- 13. CONTROL AND DISPOSAL OF WASTE** - Wastes shall be picked up and placed in containers that are emptied on a regular schedule. All handling and disposal shall be so conducted as to prevent contamination of the site and any other areas. On completion, the areas shall be left clean and natural looking. All sights of temporary construction and activities incidental to construction of the required permanent work in place shall be obliterated. CONTRACTOR shall transport all waste off of CITY's property and dispose of it in a manner that complies with federal, state and local requirements. This item is considered incidental to the work.
- 14. DUST CONTROL** - The CONTRACTOR will be responsible to provide adequate dust control on the project. The CONTRACTOR at a minimum is required to provide watering of the project limits to avoid excessive dust. The CITY requests the use of non-potable water for dust control. The ENGINEER will only notify the CONTRACTOR one time of inadequate dust control. If the CONTRACTOR fails to respond within two (2) hours, then the CITY will provide dust control and back charge the CONTRACTOR. This item is considered incidental to the work.
- 15. EXCAVATION/EMBANKMENT** - Excavation consists of all materials, equipment and labor to perform excavation as defined in Section 120 of the FDOT Standard Specifications. In addition, the work covered under this specification consists of excavating, removing and satisfactorily disposing of, all materials of whatever nature, within the limits of construction. Included in this specification is all excavation and finishing necessary for the construction, preparation and completion of all sub-bases, shoulders, ditches, slopes and intersections, all in accordance with the required alignment, grade and cross sections shown on the drawings or as directed by the ENGINEER.

The CONTRACTOR shall perform all excavation necessary to accomplish the construction indicated on the plans.

The CONTRACTOR shall do all shoring necessary to perform and protect the excavation and, as necessary, for the safety of the workers and any existing facilities. Wherever excavations are made below the grades indicated on the plans, suitable material shall be used to restore the area to the proper grade and shall be compacted in accordance with these specifications. All excavation and embankment work shall conform to the Trench Safety Act Chapter 90-96 Laws of Florida. Trench safety shall be included in the overall bid incidental to the bid price of the various bid items of this Contract, with no additional cost to be incurred by the CITY.

The CONTRACTOR shall provide adequate equipment for the removal of storm or subsurface waters that may accumulate in the excavated areas. If subsurface water is

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encountered, the CONTRACTOR shall utilize approved means to adequately dewater the excavation so that it will be dry for working and pipe laying. A well point system or other approved dewatering method shall be utilized if necessary to maintain the excavation in a dry condition for preparation of the trench bottom and for pipe laying.

All existing improvements such as pavements, conduits, poles, pipes and other structures shall be carefully supported and fully protected from injury and, in case of damage; they shall be restored without compensation. Existing utilities and other underground obstructions are shown on the plans but the accuracy of the locations and depths is not guaranteed. The CONTRACTOR shall be responsible for damages to these existing utilities and shall, in case they are damaged, restore them to their original condition.

Unless specifically authorized by the ENGINEER, all pipe shall be laid in the dry, and the CONTRACTOR shall do such pumping as is required for proper execution of the work and to dispose of the water without damage or undue inconvenience of the work, the surrounding area, or the public. The CONTRACTOR shall not dam, divert or cause water to flow in excess in existing gutters, swales, pavements or other structures, and to this end may be required to transport or pipe the water to a suitable place of discharge. Well point systems or other approved equipment shall be used to maintain excavations in a dry condition for pipe laying.

Where muck, rock, clay or other material within the limits of construction is, in the opinion of the ENGINEER, unsuitable in its original position, the CONTRACTOR shall excavate such material and backfill the excavated area with suitable material, which shall be compacted and shaped to conform to the required section. This work shall be performed in accordance with FDOT Standard Index 500. Removal and replacement of unsuitable material will be negotiated during construction, if necessary.

It is the intent of this specification that all pipe and other structures shall be provided with a stable foundation and that any material which by reason of kind or condition is not or cannot be made stable by drainage or compaction shall be removed or replaced. Therefore, any material encountered at the elevation shown on the drawings or specified for pipe that will not or cannot be improved to provide a stable foundation for the pipe shall be removed and replaced. All unstable material below the grade line of the pipe shall be removed for the full width of the trench and replaced with suitable select material, compacted as specified elsewhere in these specifications. For the purpose of this specification, muck, peat and other highly organic soils shall be considered to be unsuitable materials. Also, any soil which is or might become wet to such a degree that its moisture content is equal to or greater than 90 percent of its liquid limit will have to be specifically approved by the ENGINEER with regard to stability or shall be considered to be unsuitable requiring removal and replacement.

All backfill material shall be clean and free of lumber, trash or other debris and shall be thoroughly compacted in layers not to exceed six (6) inches and brought to an elevation above the finished grade sufficient to allow for settlement. Prior to placing backfill, the areas around structures upon which the backfill is to be placed shall be cleaned of all trash and debris of any nature. Any sheeting and bracing allowed to be left in place shall be cut off a

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minimum of 2.5 ft. below finished grade.

Finishing shall consist of the preparation, trimming and shaping to the lines and grades shown on the drawings, and all areas outside the paved areas in such a manner to receive grassing, sod or planting without additional work.

Areas to be compacted shall be moistened or dried, as needed to satisfy moisture content requirements, and compacted by either, rolling, tamping or any other method approved by the ENGINEER in order to obtain the desired density. The CONTRACTOR shall inspect all compacted areas prior to further construction operations to ensure that satisfactory compaction has been obtained.

All embankments, including backfill and embankment adjacent to structures, shall be compacted to a density of not less than 100 percent of the maximum density as determined by AASHTO T-99. If in the ENGINEER's opinion additional density tests are required, such tests shall be made as directed by the ENGINEER at the expense of the CITY. The CONTRACTOR shall instruct the testing laboratory to forward copies of all test reports to the ENGINEER.

The CONTRACTOR shall provide topographical survey of the site immediately following the clearing and grubbing operations. An additional survey of the final site following the excavation shall also be provided after completion of the area. The final excavation pay quantity shall be paid upon the calculated difference of the post clearing and grubbing topographical survey and the final project topographical survey.

Payment shall be made under: Item 120-1 – Excavation, Regular
 Item 120-4 – Subsoil Excavation
 Item 120-6 – Embankment

16. EXCAVATION AND DEWATERING - Excavation and Dewatering consists of all materials, equipment and labor to perform excavation as defined in Section 125 of the FDOT Standard Specifications, unless otherwise stated herein. It shall also include (1) the construction and removal of cofferdams, sheeting, bracing, etc.; (2) pumping or otherwise dewatering foundations, including rock for dewatering; (3) the removal and disposal of any existing structures or portions of structures not covered by other items in the contract, including foundations, abutments, piers, wings, obstructions, etc., found necessary to clear the site for the proposed work which are not otherwise covered under other bid items; (4) backfilling, disposing of surplus material and final cleaning, as may be necessary for the proper execution of the work.

The work for culverts shall conform to FDOT Standard Specifications Paragraph 125-4.4.

The CONTRACTOR shall provide adequate equipment for the removal of storm or subsurface waters that may accumulate in the excavation. If subsurface water is encountered, the CONTRACTOR shall utilize suitable equipment to adequately dewater the excavation so that it will be dry for work and pipe laying. A well point system or other ENGINEER

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approved dewatering method shall be utilized, if necessary, to maintain the excavation in a dry condition for preparation of the trench bottom and for pipe laying.

Dewatering by trench pumping will not be permitted if migration of fine-grained natural material from bottom, side walls or bedding material will occur. In the event that satisfactory dewatering cannot be accomplished due to subsurface conditions or where dewatering could damage existing structures, the CONTRACTOR shall obtain the ENGINEER's written approval of wet trench construction procedure before commencing construction. Dewatering shall cease in a manner to allow the subsurface water to slowly return to normal levels.

Water pumped from the trench or other excavation shall be disposed of in storm sewers having adequate capacity, canals or suitable disposal pits. CONTRACTOR is responsible for acquiring all permits required to discharge the water and shall protect waterways from turbidity during the dewatering operation. In areas where adequate disposal sites are not available, partially backfilled trenches may be used for water disposal only when the CONTRACTOR's plan for trench disposal is approved in writing by the ENGINEER. The CONTRACTOR's plan shall include temporary culverts, barricades and other protective measures to prevent damage to property or injury to any person or persons. No flooding of streets, roadways, driveways or private property will be permitted. Engines driving dewatering pumps shall be equipped with residential type mufflers.

It should be anticipated that the water table may need to be drawn-down during excavation & filling. Therefore, the CONTRACTOR may be required to dewater in order to **maintain the water level at or below the required minimum of two (2) feet below the maximum depth at which work will occur.** The CONTRACTOR shall abide by the recommendations as stipulated in the geotechnical report included with the bid documents. This dewatering shall be continuous until construction in the subject area is complete. Dewatering operations are subject to pollution and erosion control specifications contained herein. Costs for dewatering shall be included in all bid items that are subject to excavation. Pursuant to the Instructions to Bidders, the CONTRACTOR must provide SFWMD all required information to obtain a dewatering permit before these activities commence.

17. **STABILIZING** - The stabilization of roadway subgrade shall be in accordance with Section 160 of the FDOT Standard Specifications.
18. **BASE COURSE**: The Base Courses specified for this project shall be in accordance with Sections 285 and 234 of the FDOT Standard specifications with exception to subsections 285-8 and 234-9. The Pay Area for all Base Material shall be equal to the designed surface area. No additional compensation will be provided for exceeding the spread rate for asphaltic base provided in the plans or exceeding the plan thickness specified for granular base.
19. **HOT BITUMINOUS MIXTURES - PLANT, METHODS AND EQUIPMENT**:
General: This Section specifies the plant and methods of operation for preparing all plant-mixed hot bituminous mixtures for surface courses and bases, and the requirements for the equipment to be used in the construction of the pavements and bases. The CONTRACTOR shall include asphalt delivery tickets.

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Requirements for All Plants: The design, manufacture and operation of the plant shall be consistent with Subsection 320-2 of the FDOT Standard Specifications.

Temperature of the Asphalt Mix: Temperature of the bituminous mix shall not be less than 275/F; neither shall it exceed 325/F under any circumstances.

Paving Equipment: The mechanical spreading and screening equipment shall conform to the requirements of Subsection 320-5 of the FDOT Standard Specifications.

The CONTRACTOR is hereby informed that Paragraphs 320-5.1.2 and 320-5.1.4 of the "FDOT Standard Specifications" on Automatic Screed Control will be enforced in this Contract on all pavement courses.

Compacting Mixture: The equipment and sequence provisions contained in Paragraph 330-10.1 of the FDOT Standard Specifications shall apply to this Contract.

Type SP Asphaltic Concrete: Shall be in conformity to Section 334 of the FDOT Standard Specifications with exception to subsections 334-7 and 334-8 and the provisions of the Contract.

Miscellaneous Asphalt Pavement: Shall be in conformity to Section 339 of the FDOT Standard Specifications and the provisions of this Contract.

Method of Measurement and Basis of Payment: The Contract Unit Price shall be full compensation for all the work specified under this Section (including all applicable requirements of Sections 320 and 330 of the FDOT Standard Specifications, and the foregoing paragraphs in this Section). Measurement shall be made by plan quantity. Specifically, the pay area for this item will be equal to the designed surface area. No additional compensation will be provided for exceeding the spread rate provided in the plans. Payment will be made under SUPERPAVE ASPHALTIC CONCRETE (TRAFFIC C) (1" THICK) – per sq. yd.

20. INLETS, MANHOLES, ENDWALLS AND MITERED ENDS - The work specified under this paragraph shall be in accordance with Section 425 of the FDOT Standard Specifications and FDOT Standard Indexes 200 through 295.

The quantities to be paid shall include all materials, labor, and equipment needed to prosecute the work required by this specification and will be paid for at the contract unit bid price for the specific item with no additional cost to be incurred by the CITY. For the purposes of this specification, all grates will be considered incidental to the construction of the inlets, manholes and junction boxes.

Payment shall be made under the corresponding Bid item.

21. PIPE CULVERTS - The work specified under this paragraph shall be in accordance with

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Section 430 of the FDOT Standard Specifications.

Concrete Headwalls shall be provided in accordance with the details outlined in the plans and indexes. Concrete shall have a minimum 28-day compressive strength of 3,000psi. Reinforcing steel shall be provided per the FDOT Standard Index and as detailed in the plans.

The quantities to be paid under this paragraph shall include all materials, labor, and equipment needed to prosecute the work required by this specification and will be paid for at the contract unit bid price for the specific item with no additional cost to be incurred by the CITY. For the purposes of this specification, all grates and bars will be considered incidental to the provisions of the endwalls and mitered end sections.

Further, provision of mitered end sections shall also include the eight (8) foot tapered pipe section as a part of the construction, with no additional cost to be incurred under the pipe items.

Payment shall be made under the corresponding Bid item.

- 22. ARTICULATING CONCRETE BLOCK (ACB) MAT** - The Contractor shall furnish all labor, materials, equipment, grading, and incidentals required and perform all operations in connection with the installation of cellular concrete erosion control mats in accordance with the lines, grades, design and dimensions shown on the Contract Drawings and as specified herein. Product shall be ArmorTec Armorflex Type 45S, or equal. All cellular concrete mats shall be prefabricated as an assembly of concrete blocks, with specific hydraulic capacities, laced with revetment cables.

Revetment cable shall be constructed of high tenacity, low elongating, and continuous filament polyester fibers. Cable shall consist of a core construction comprised of parallel fibers contained within an outer jacket or cover. The weight of the parallel core shall be between 65% to 70% of the total weight of the cable. The revetment cable shall exhibit resistance to most concentrated acids, alkalis and solvents. Cable shall be impervious to rot, mildew and degradation associated with marine organisms. The materials used in the construction of the cable shall not be affected by continuous immersion in fresh or salt water.

The geotextile filter shall meet the minimum physical requirements listed in Table No. 3 of these Specifications. Consultation with the manufacturer is recommended.

The geotextile must be permitted to function properly by allowing relief of hydrostatic pressure; therefore fine soil particles shall not be allowed to clog the filter fabric.

The geotextile fiber shall consist of a long-chain synthetic polymer composed of at least 85 percent by weight of propylene, ethylene, ester, or amide, and shall contain stabilizers and/or inhibitors added to the base plastic, if necessary, to make the filaments resistant to deterioration due to ultraviolet and heat exposure. The edges of the geotextile shall be finished to prevent the outer fiber from pulling away from the geotextile.

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The Contractor shall furnish the Engineer, in duplicate, manufacturer's certified test results showing actual test values obtained when the physical properties are tested for compliance with the specifications.

During all periods of shipment and storage, the filter fabric shall be protected from direct sunlight, ultraviolet rays and temperatures greater than 140 degrees Fahrenheit. To the extent possible, the fabric shall be maintained wrapped in its protective covering. The geotextile shall not be exposed to sunlight, ultraviolet rays until the installation process begins.

TABLE 3. PHYSICAL REQUIREMENTS

Physical Property	Test Procedure	Minimum Value
Grab Tensile Strength (Unaged Geotextile)	ASTM D4632	200 Lbs. (in any principal direction)
Breaking Elongation (Unaged Geotextile)	ASTM D4632	50% max. (in any principal direction)
Burst Strength	ASTM D3786	400 psi
Puncture Strength	ASTM D4833	115 lbs.
A.O.S., U.S. Std. Sieve	ASTM D4751	see Design Manual
% Open Area	CWO-22125-86	See Design Manual
Permittivity	ASTM D4491	See Design Manual

Final acceptance of the filtration geotextile by the Engineer shall be dependent upon the geotextile performance when tested in accordance with ASTM D5101, Standard Test Method for Measuring the Soil-Geotextile System Clogging by the Gradient Ratio test or the Hydraulic Conductivity Ratio test. Soil characteristics such as grain size distribution and plasticity shall be determined for every 200,000 square feet of geotextile installed or for each source of borrow material used during construction. Significant differences in soil characteristics shall require further performance testing by either the Gradient Ratio or the Hydraulic Conductivity Ratio tests at the discretion of the Engineer. The locations for which the material to be tested is extracted shall be approved by the Engineer. The Contractor shall provide the site-specific soil and modified proctor curves for the site-soil, at his own expense, to the manufacturer. Also, the contractor shall be responsible for the performance of the test by a certified independent laboratory experienced in performing such test. The test shall be performed under the actual field soil conditions or as otherwise required by the Engineer.

At the time of installation, the filter fabric shall be rejected if it has been removed from its protective cover for over 72 hours or has defects, tears, punctures, flow deterioration, or damage incurred during manufacture, transportation or storage. With the acceptance of the Engineer, placing a filter fabric patch over the damaged area prior to placing the mats shall repair a torn or punctured section of fabric. The patch shall be large enough to overlap a minimum of three (3) feet in all directions.

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In the event pre-assembled panels of fabric are required, the panels of filter fabric shall be sewn together at the manufacturer or another approved location.

Foundation Preparation

General. Areas on which filter fabric and cellular concrete blocks are to be placed shall be constructed to the lines and grades shown on the Contract Drawings and to the tolerances specified in the Contract Documents, and approved by the Engineer.

Grading. The slope shall be graded to a smooth plane surface to ensure that intimate contact is achieved between the slope face and the geotextile (filter fabric), and between the geotextile and the entire bottom surface of the cellular concrete blocks. All slope deformities, roots, grade stakes, and stones which project normal to the local slope face must be re-graded or removed. No holes, "pockmarks", slope board teeth marks, footprints, or other voids greater than 1.0 inch in depth normal to the local slope face shall be permitted. No grooves or depressions greater than 0.5 inches in depth normal to the local slope face with a dimension exceeding 1.0 foot in any direction shall be permitted. Where such areas are evident, they shall be brought to grade by placing compacted homogeneous material. The slope and slope face shall be uniformly compacted, and the depth of layers, homogeneity of soil, and amount of compaction shall be as required by the Engineer.

Excavation and preparation for anchor trenches, flanking trenches, and toe trenches or aprons shall be done in accordance to the lines, grades and dimensions shown in the Contract Drawings. The anchor trench hinge-point at the top of the slope shall be uniformly graded so that no dips or bumps greater than 0.5 inches over or under the local grade occur. The width of the anchor trench hinge-point shall also be graded uniformly to assure intimate contact between all cellular concrete blocks and the underlying grade at the hinge-point.

Inspection. Immediately prior to placing the filter fabric and cellular concrete blocks, the prepared subgrade shall be inspected by the Engineer. No fabric or blocks shall be placed thereon until that area has been approved by each of these parties.

Placement of Geotextile Filter Fabric

General. Filter Fabric, or filtration geotextile, as specified elsewhere, shall be placed within the limits shown on the Contract Drawings.

Placement. The filtration geotextile shall be placed directly on the prepared area, in intimate contact with the subgrade, and free of folds or wrinkles. The geotextile shall not be walked on or disturbed when the result is a loss of intimate contact between the cellular concrete block and the geotextile or between the geotextile and the subgrade. The geotextile filter fabric shall be placed so that the upstream strip of fabric overlaps the downstream strip. The longitudinal and transverse joints shall be overlapped at least two (3) feet. The geotextile shall extend at least one foot beyond the top and bottom revetment termination points. If cellular concrete blocks are assembled and placed as large mattresses, the top lap edge of the

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geotextile should not occur in the same location as a space between cellular concrete mats unless the space is concrete filled.

Placement of Cellular Concrete Blocks/Mats

General. Cellular concrete block/mats, as specified in Part 2:A of these Specifications, shall be constructed within the specified lines and grades shown on the Contract Drawings.

Placement. The cellular concrete blocks shall be placed on the filter fabric in such a manner as to produce a smooth plane surface in intimate contact with the filter fabric. No individual block within the plane of placed cellular concrete blocks shall protrude more than one-half inch or as otherwise specified by the Engineer. To ensure that the cellular concrete blocks are flush and develop intimate contact with the subgrade, the blocks shall be "seated" with a roller or other means as approved by the Engineer.

If assembled and placed as large mattresses, the cellular concrete mats shall be attached to a spreader bar or other approved device to aid in the lifting and placing of the mats in their proper position by the use of a crane or other approved equipment. The equipment used should have adequate capacity to place the mats without bumping, dragging, tearing or otherwise damaging the underlying fabric. The mats shall be placed side-by-side and/or end-to-end, so that the mats abut each other. Mat seams or openings between mats greater than two (2) inches shall be filled with 4000 psi non-shrink grout. Whether placed by hand or in large mattresses, distinct changes in grade that results in a discontinuous revetment surface in the direction of flow, shall require a grout seam at the grade change location so as to produce a continuous surface.

Anchor trenches and side trenches shall be backfilled and compacted flush with the top of the blocks. The integrity of the trench backfill must be maintained so as to ensure a surface that is flush with the top surface of the cellular concrete blocks for its entire service life. Toe trenches shall be backfilled as shown on the Contract Drawings. Backfilling and compaction of trenches shall be completed in a timely fashion. No more than 500 linear feet of placed cellular concrete blocks with non-completed anchor and/or toe trenches shall be permitted at any time.

Finishing. The cells or openings in the cellular concrete blocks shall be backfilled and compacted immediately with suitable material to assure there are no voids and so that material extends from the filter fabric to one-inch above the surface of the cellular concrete block. Backfilling and compaction shall be completed in a timely manner so that no more than 500 feet of exposed mats exist at any time.

Payment shall be made under Item 530-78 ARTICULATED CONCRETE BLOCK MAT (ACM) - per square yard.

- 23. RIPRAP (Rubble)** - The work specified shall consist of the construction of riprap, composed of sand and cement, concrete block or rubble to be used as drainage slope protection as depicted in the plans. The work effort shall be in accordance with Section 530

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of the FDOT Standard Specifications. The cost of this item shall include filter fabric in accordance with Section 514 and Section 985 of the FDOT Standard Specifications.

The quantities to be paid under this paragraph shall include all materials, labor, and equipment needed to prosecute the work required by this specification and will be paid for at the contract unit bid price for the specific item with no additional cost to be incurred by the CITY. Construction shall be per the detail included in the plan documents, and shall include cost of bedding stone and filter fabric.

Payment shall be made under Item 530-3-3: RIPRAP (Rubble) - per square yard.

- 24. 4" CONCRETE SIDEWALK** – All work specified under this item shall be in accordance with Section 522 of the FDOT Standard Specifications amended as follows:

Concrete: All concrete for sidewalk work shall have a minimum 28 day compressive strength of 3000 psi and contain a minimum of 0.75 lbs./cu. Yd. Fibermesh.

Method of Measurement and Payment: The quantities to be paid under this section shall include all materials, labor and equipment needed to prosecute the work required and will be paid for at the contract unit price for the specified item with no additional cost to be incurred by the CITY. For purposes of this specification, all handicap ramps and associated ramp curbs shall be included in the measurements for 4" sidewalk.

Payment shall be made under: Item 522-1- Concrete Sidewalk 4" - per Square Yard.

- 25. SODDING** - All sodding work on this project shall be provided in accordance with Section 575 of the FDOT Standard Specification unless otherwise specified in the Plans, all sodding shall consist of Bahia grass sodding as per the Contract Plans. The CONTRACTOR is solely responsible for final acceptability of all sodded areas. All associated costs of watering, fertilizer, and maintenance are included in the unit price of the sod. For issues not discussed in these specifications the CONTRACTOR is referred to Sections 575, 981, 982 and 983 of the FDOT Standard specification for Road and Bridge Construction.

The quantities to be paid under this paragraph shall include all materials, labor, and equipment needed to prosecute the work required by this specification and will be paid for at the contract unit bid price for the specific item with no additional cost to be incurred by the CITY. For the purposes of this specification, additional items for fertilizer, watering, and maintenance shall be considered incidental to the provisions of the sodding.

Lime and Fertilizer: To assure rapid establishment of sod the CONTRACTOR is urged to apply fertilizer and lime as follows or as determined by soil testing.

- a. Fertilizer: 16-4-8 – 50% of Nitrogen to be slow-release
 - i. 265 lb/ac as placement
 - ii. 135 lb/ac at 60 days after placement

Maintenance:

- a. Mowing – Grass is to be mowed to 6-inch height for final acceptance.

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- i. Mowing shall not remove any more than 1/3 of the grass leaves and be done with sharp blade mowers.
- ii. Mowing shall not occur for 3 weeks after planting.
- b. Filling, leveling, repairing washouts or erosion – CONTRACTOR shall replace patches of dead sod and repair disturbed and damaged sod immediately upon being made aware of the condition.

Watering: Sod and all plantings shall be watered with ½ inch of water immediately upon placement. In the following three weeks sod shall be watered with the greater of ½ inch of water 2 – 3 times weekly or the amount of water required to maintain moist conditions in the soil to a depth of 6 inches beneath the sod. After 3 weeks the sod shall be watered with the greater of 1/4 inch of water 2 – 3 times weekly or the amount of water required to maintain moist conditions in the soil to a depth of 4 inches beneath the sod and plantings.

Payment shall be made under Item 570-1-2 Performance Turf (Sod) (Bahia) – per square yard.

26. REFLECTIVE PAVEMENT MARKERS - The installation of reflective pavement markers under this item shall be in accordance with Section 706 of the FDOT Standard Specifications and FDOT Standard Index 17300 Series.

27. PAINTING TRAFFIC STRIPES AND MARKINGS - The work specified under this item shall be in accordance with Section 710 of the FDOT Standard Specifications and FDOT Standard Index 17300 Series. This is for temporary striping and included in the MOT costs.

28. THERMOPLASTIC TRAFFIC STRIPES AND MARKINGS - The work specified under this item shall be in accordance with Section 711 of the FDOT Standard Specifications and FDOT Standard Index 17300 Series. No thermoplastic material or paint containing lead or chromium compound shall be used on this project.

29. PROJECT SCHEDULE - Within ten (10) calendar days after the execution of the Contract, or at the pre-construction meeting whichever is earlier, CONTRACTOR shall submit for approval, three copies of a schedule of work showing in detail satisfactory to the ENGINEER and CITY, the order in which the CONTRACTOR proposes to carry on the work, the interdependence of activities, the date on which it will start the individual activities, including procurement of materials, plans and equipment, submission and receipt of shop drawings, duration, monetary value, resource allocation, earliest and latest starting and completion dates for each operation. The schedule shall be in the form of progress chart of suitable scale to indicate appropriately the percentage of work schedule for completion at any time. All activities are to be described so that the work is readily identifiable and the progress on each activity can be readily measured. The schedule shall be prepared in such a manner that all elements are contained on the schedule diagram (i.e., Early Start, Late Start, Early Finish, Late Finish and Duration). Separate detail sheets containing this information are not acceptable. If CONTRACTOR elects to use a computer generated critical path method schedule (CPM) the selected software and output format (including size, color, order,

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etc.) is to be approved and accepted by the ENGINEER before CPM preparation. The schedule shall be accompanied by a working plan which is a concise written description of CONTRACTOR's construction plan. This plan shall include but not be limited to the phasing, sequence, identification of work crews and summary of the work. CONTRACTOR shall resubmit revised schedule whenever requested to comply with such comments as may be required by the ENGINEER and CITY.

CONTRACTOR shall enter on the above-mentioned chart the actual progress accompanied with a written description at monthly intervals and shall immediately deliver to the ENGINEER three copies thereof along with each progress payment request. If CONTRACTOR fails to submit a progress schedule within the time here prescribed, the ENGINEER may withhold approval of progress payment request until such time as CONTRACTOR submits the required progress schedule.

If a majority of the activities have a float period less than ten (10) days, then the CONTRACTOR must provide complete details on the resource allocation as requested by the ENGINEER.

The CONTRACTOR must provide letters from his sub-contractors that indicate their acceptance of the proposed schedule.

The CONTRACTOR shall submit a concise written explanation of the schedule impacts attached to the delay claim and the next schedule update.

All material, labor and equipment required to perform the work effort for this item shall be carried out by the CONTRACTOR as incidental to the bid price of the various bid items of this contract, with no additional cost to be incurred by the CITY.

- 30. IRRIGATION REPAIR ALLOWANCE** - The CONTRACTOR will repair irrigation systems damaged by his work. The CONTRACTOR shall review all areas to be disturbed by construction, prior to beginning construction and provide property owner seven (7) days notice to relocate landscape and irrigation. Prior to construction, the CITY, CONTRACTOR and property owners will review the irrigation systems. The CONTRACTOR will only be allowed to work within the limits of construction, the CITY Easements or Rights-of-way. This item will be bid as an allowance and negotiated during construction.

Any disturbance to vegetation or irrigation outside of the Limits of Easements or Rights-of-way will be repaired and restored at the CONTRACTOR's expense.

- 31. UTILITY REPAIR ALLOWANCE** - This allowance is provided for unforeseen utility conflicts and shall only be utilized at the discretion of the CITY to compensate the CONTRACTOR for materials and construction to relocate utility lines necessary to construct the improvements as depicted on the plans. The CONTRACTOR will submit a proposal for the necessary improvements for review and approval by the CITY. Once approved, the CONTRACTOR may begin the agreed upon work. This item will be bid as an Allowance and will be negotiated during construction, if necessary.

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- 32. UTILITIES (PSLUSD)** – Pursuant to this Section, the Tiffany Pump Station discharge piping replacement and all utility adjustments shall be in strict conformance to the City of Port St. Lucie Utility Systems Department's Technical Specifications and Construction Standards, 2010 Edition.

The CONTRACTOR is solely responsible for performing all work in accordance with the CITY's aforementioned standards, and must maintain compliance with the Florida Department of Environmental Protection (FDEP) Standards. Following construction of the work defined for this project, the CONTRACTOR shall submit to the ENGINEER as-built record drawings in accordance with the guidelines provided in the CITY's utility specifications. The record drawings will not be accepted by the CITY unless all required information is properly shown on the plans.

- 33. STEEL ITEMS RESTORATION** – The cleaning, scaling, repairing and protective-coating re-application work shall be performed in accordance with the SFWMD Standard Specification Section 09900 Protective Coatings (included in Attachment G). All required material, labor and equipment shall be provided as incidental to the Lump Sum price of this pay item, with no additional cost to be incurred by the CITY.

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ATTACHMENT A
SB-20120008
ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS

TECHNICAL SPECIFICATIONS

SPECIAL CONDITIONS

1. **BID ITEM NO. 120-1 AND 6: EARTHWORK** - The construction plans include sections that indicate the approximate cut and fill generated during construction. This information should be used as a guide for determining the quantity of excavation and embankment required to complete the excavation portion of the project only. The cross sections do not detail the earthwork required to construct the drainage facilities.

The CONTRACTOR shall provide topographical survey of the site immediately following the clearing and grubbing operations. An additional survey of the final site following the excavation and placement of the improved soil shall also be provided after completion of the area. The final excavation pay quantity shall be paid upon the calculated difference of the post clearing and grubbing topographical survey and the final project topographical survey.

2. **CITY FURNISHED ITEMS** - The CONTRACTOR shall bid all items for the project listed in the "Schedule of Contract Prices" based upon the material, labor, etc. necessary to complete each of the items.
3. **SURVEY CONTROL** - The bench marks for survey control for the project are indicated on the construction plans. The location of these control points may at times be located within the construction area. It is the responsibility of the CONTRACTOR to locate, preserve, or offset these points as required to maintain proper survey control for the project for the duration of the construction efforts. Control points shall be re-established upon completion of construction at the expense of the CONTRACTOR.

Grades shown are finished grades, and B.M. Datum is North American Vertical Datum 1988 (NAVD-1988) as noted in the plans.

4. **CONSTRUCTION ITEMS IN THE BID FORM** - Construction items in the Bid Form may be increased, decreased or deleted at the direction of the ENGINEER & CITY with no unit price adjustment.
5. **EXISTING SIGNS** - Existing Signs to be relocated shall not be damaged during removal and prior to or during installation. If damage occurs, it shall be the CONTRACTOR's responsibility to repair or replace the signage at no additional cost to the CITY.
6. **REMOVAL OF EXISTING UNDERGROUND PIPE** - This shall be performed in accordance with the EPA guidelines found in 40 CFR Section 61.141.
7. **SEQUENCE OF CONSTRUCTION** - The construction sequence shall be established by the CONTRACTOR and forwarded to the CITY and ENGINEER for approval.

ATTACHMENT A
SB-20120008
ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS

through the Project Schedule. The Schedule shall be prepared using a Critical Path Method or other approved project-scheduling tool.

8. **CONTRACT SUPERVISOR** - The Contract Supervisor for the CITY is Larry Nadeau of the City of Port St. Lucie Engineering Department and he may be reached at (772) 871-5104.
9. **DESIGN ENGINEER** - The "Engineer of Record" for the project is Mr. Joseph W Capra, P. E. of CAPTEC Engineering, Inc. and can be reached at (772) 692-4344. a Professional Engineer duly licensed and registered in the State of Florida and designated by the CITY as Design Engineer.
10. **ENGINEER** - The CEI "Engineers of Record", hereinafter called "ENGINEER", for this project have not yet been contracted.
11. **PRIVATE PROPERTY NOTICES** - The CITY, will distribute notices (door hanger) to residents/occupants, 30 days in advance of the start of construction. The notice will provide general information and allow the resident/occupant the opportunity of removing any items within the construction area they specifically desire to remove.
12. **PROJECT PROGRESS MEETINGS** - Project progress meetings will be held weekly at the City Engineering Department, or other mutually convenient location as designated by the ENGINEER. Representatives of CITY, ENGINEER, and CONTRACTOR are required to attend. Other representatives, such as utility company personnel may attend as necessary. The CONTRACTOR shall provide a Two-Week "Look Ahead" Planning Schedule at each weekly meeting, showing the items of work planned for the next two weeks. The schedule shall be develop in Bar Chart format, identifying current and planned activities and related Contract Schedule work activities, including subcontractor work. Designate all activities that are critical path items as determined by the currently accepted contract schedule.
13. **PROTECTION OF GOPHER TORTOISES** - Should the CONTRACTOR discover any tortoises on the site, the CONTRACTOR shall notify the CITY and the CITY will take the measures necessary to relocate the tortoise(s). No extras or additional payments will be made to the CONTRACTOR for the protection of Gopher Tortoises.
14. **DEBRIS LOCATED WITHIN PROJECT LIMITS** - The CONTRACTOR is advised that any existing construction and demolition debris located within the project limits should be removed and the costs shall be included in the price of clearing and grubbing. The material shall be disposed in accordance with these specifications.
15. **RETESTS AND STANDBY TIME FOR SOILS TESTING COMPANY** - The costs for all retests and standby time for the testing companies will be paid by the CONTRACTOR.

ATTACHMENT A
SB-20120008
ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS

16. **VIDEO TAPE/DVD** - The CONTRACTOR is required to videotape the project area prior to construction commencement. CONTRACTOR shall provide a copy of the videotape/DVD of the Project site to CITY for approval once complete and prior to issuance of Notice to Proceed. The cost of this shall be included in the Lump Sum item for Mobilization.
17. **PERMITS AND AGREEMENTS** - The following Permits apply to this project:
- A. South Florida Water Management District (SFWMD) Environmental Resource Permit (ERP), Standard General Environmental Resource Permit. 56-00466-S
 - B. U.S. Army Corps of Engineers (ACOE) Nationwide Permit for Construction Activities SAJ-2010-02589 (NW-SLR)

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Civil Engineering Professionals
 Engineering License No. EB 20000027

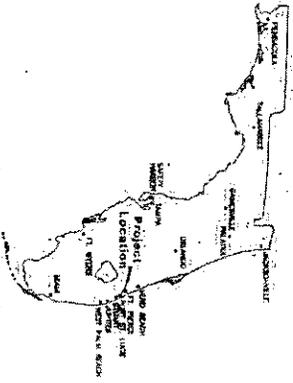
CITY OFFICIALS

JOANN FAELLA MAYOR
 LINDA BARTZ VICE MAYOR
 JACK ABLEY COUNCIL MEMBER
 MICHELLE L. BERGER COUNCIL MEMBER
 SHANNON MARTIN COUNCIL MEMBER
 JERRY BENTROTT CITY MANAGER
 PATRICIA ROEBLING, P.E. CITY ENGINEER
 JESUS MENDOZA UTILITY SYSTEMS DIRECTOR

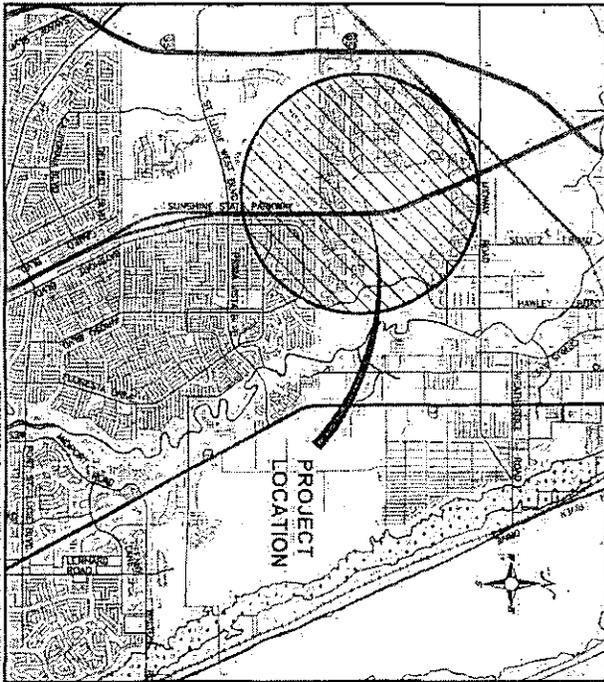
ENGINEER

STEVEN P. MARQUART, P.E.
 FLORIDA P.E. #24873
 CAPTEC ENGINEERING, INC.
 201 NW FLAGLER AVENUE
 STUART, FLORIDA 34984
 PHONE: (772) 592-4344
 FAX: (772) 592-4344
 E-MAIL: smarquart@captec.com

LOCATION MAP

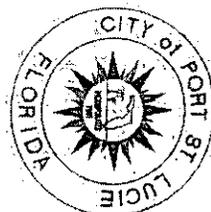


**CONSTRUCTION PLANS
 OF
 ST. LUCIE NORTH DRAINAGE
 BASIN IMPROVEMENTS
 FOR
 CITY OF PORT ST. LUCIE, FLORIDA
 LYING IN
 SEC. 6, 11-13, 17&18, TWP. 36S., RNG. 39&40 E.
 ST. LUCIE COUNTY, FLORIDA**



VICINITY MAP

ELEVATIONS REVERSE BEAMS 1-23-2012
 SB #20120008
 NAVD 1988 DATUM



NOTE: THESE PLANS ARE IN ENGLISH UNITS.
 THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE STATE OF
 FLORIDA, DEPARTMENT OF TRANSPORTATION
 DESIGN STANDARDS DATED 2008.
 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 DATED 2010.
 THE MANUAL OF STANDARD DRAWING SYMBOLS FOR DESIGN
 AND CONSTRUCTION OF HIGHWAYS AND HIGHWAYS
 (DESIGNATION DATED MAY 2007)
 AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON
 UNIFORM TRAFFIC CONTROL DEVICES (DATED 1985)

INDEX OF SHEETS

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20 - 21	DRAINAGE DETAILS
22 - 23	ARTICULATED CONCRETE BLOCK MAT DETAILS
24	UTILITY DETAILS
25 - 26	GENERAL NOTES

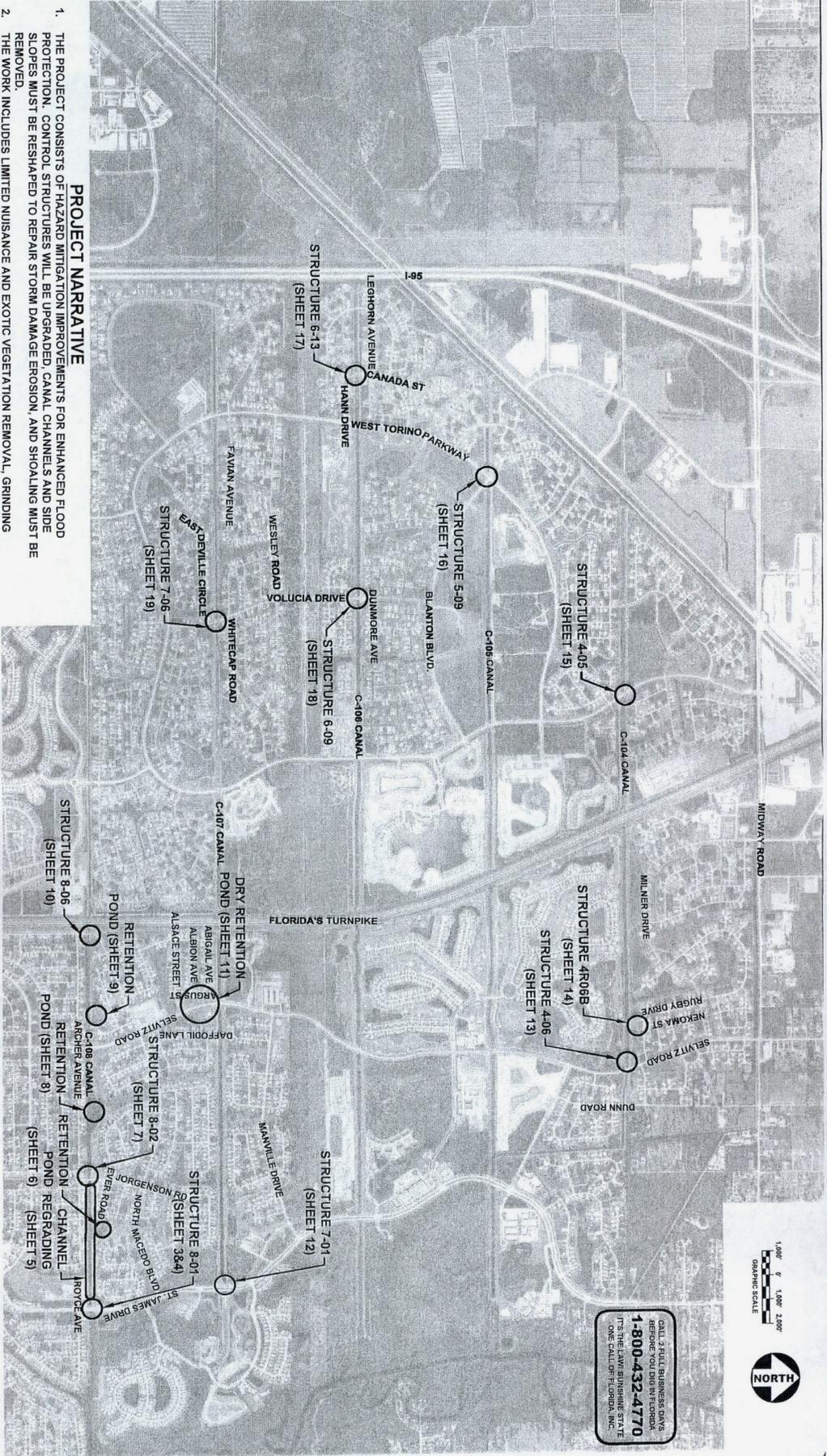


1. THE PROJECT CONSISTS OF HAZARD MITIGATION IMPROVEMENTS FOR ENHANCED FLOOD PROTECTION. CONTROL STRUCTURES WILL BE UPGRADED, CANAL CHANNELS AND SIDE SLOPES MUST BE RESHAPED TO REPAIR STORM DAMAGE EROSION, AND SHOALING MUST BE REMOVED.
2. THE WORK INCLUDES LIMITED NUISANCE AND EXOTIC VEGETATION REMOVAL, GRINDING AND/OR REMOVAL OF TREE STUMPS AND/OR DEBRIS, CULVERT INSTALLATION, REVENIENT EROSION PROTECTION, REMOVAL/RE-GRADING OF SHOALING WITHIN CANALS AND SODDING OF ALL SIDE SLOPES AND DISTURBED AREAS ABOVE THE WATER LINE WITHIN PROJECT LIMITS.
3. CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH LOT OWNERS FOR VACANT LOT ACCESS WITHIN WORK LIMITS AND ALL RELATED COSTS ARE INCIDENTAL TO THE WORK PERFORMED.
4. THE CITY DESIRES TO GRADE ALL CANAL SIDE SLOPES NO STEEPER THAN 3 HORIZ. TO 1 VERTICAL (WHERE POSSIBLE) ALTHOUGH IT IS UNDERSTOOD THAT SOME AREAS WILL BE 2 HORIZ. TO 1 VERTICAL IN REVEINMENT ARMORING AREAS.
5. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL & DISPOSAL OF ALL DEBRIS, VEGETATION, AND ALL UNSUITABLE SOILS.
6. IT IS DESIRED TO GRADE THE PROJECT LIMITS AS A BALANCED JOB, ALTHOUGH ANY AND ALL EXCESS SUITABLE SOILS SHALL BE REMOVED BY THE CONTRACTOR.
7. THE CONTRACTOR AND THE CITY PUBLIC WORKS STAFF WILL COORDINATE LOT ACCESS AGREEMENTS FOR SIDE LOT PIPE REPLACEMENTS. ALL WORK WILL BE COMPLETED IN DEDICATED EASEMENTS OR WITHIN SUPPLEMENTAL AGREEMENTS BETWEEN LAND OWNER AND THE CONTRACTOR.

PROJECT NARRATIVE

1. CONTRACTOR SHALL MAINTAIN EFFECTIVE BEST MANAGEMENT PRACTICES FOR SEDIMENT AND EROSION CONTROL IN ACCORDANCE WITH NPDES, SPWMD, FDOT, AND CITY OF PORT ST. LUCIE STANDARDS AND CRITERIA.
2. CONTRACTOR SHALL SOD ALL DRAINAGE RIGHTS-OF-WAY (DROW) ABOVE THE WATER LINE. ALL DISTURBED AREAS OUTSIDE THE DROW SHALL BE SODDED TO MATCH EXIST. GRASSES.
3. ELEVATIONS SHOWN HEREIN REFERENCE DATUM N.A. V.D. 1988.
4. MAINTENANCE OF TRAFFIC (MOT) OPERATIONS SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS.
5. DAILY INSPECTIONS MUST BE PERFORMED AND MOT OPERATIONS ADJUSTED TO CONTINUOUSLY MEET FOOT CRITERIA.
6. CONTRACTOR SHALL PROTECT ALL PRIVATE PROPERTY AND SHALL RESTORE ANY PRIVATE PROPERTY DAMAGE TO EQUAL OR BETTER CONDITION THAN EXIST PRIOR TO CONSTRUCTION INCLUDING PROPERTY CORNERS REPLACEMENT.
7. CONTRACTOR SHALL COMPLY WITH ALL NPDES REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL WHICH MAY INCLUDE GRAVEL TRACKING PADS AND/OR PERIODIC ROAD SWEEPING IF REQUIRED. AT NO ADDITIONAL COST TO CITY.
8. **REVISIONS TO EASEMENT** - TRACKING PADS AND/OR PERIODIC ROAD SWEEPING IF REQUIRED. AT NO ADDITIONAL COST TO CITY. EXISTING SIDE LOT PIPE SHALL BE REPLACED WITH ONE (1) FT MINIMUM. CONTRACTOR SHALL CULVERTS, HEADWALLS, MITTERED END SECTIONS, ETC. SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS AND/OR CITY OF PSL REQUIREMENTS.

GENERAL NOTES



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 Stuart, Florida 34994
 Phone: (772) 852-4544
 Fax: (772) 892-4541

Project No. 779-1.1
 SHEET 2 OF 26

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
 CITY OF PORT SAINT LUCIE, FLORIDA

KEY MAP

SCALE VERIFICATION

SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.

NO.	DATE	BY	APPROVED FOR CONSTRUCTION	REVISIONS
1	01/23/12	SPM		

DATE:	07/25/11
DRAWN BY:	DAS
DESIGNED BY:	H.L.T.
CHECKED BY:	ZWC
PROJECT NO.:	779-1.1
HORIZ. SCALE:	AS SHOWN
VERT. SCALE:	N/A
CADD FILE:	KEY MAP

CAPTEC
 Engineering, Inc.

Civil Engineering Professionals

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

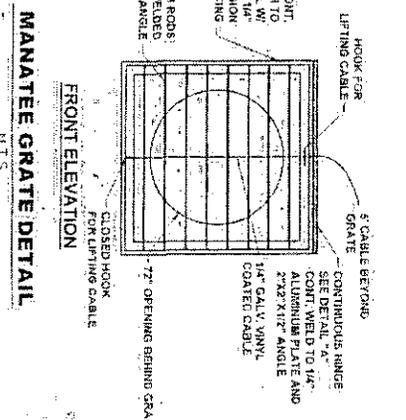
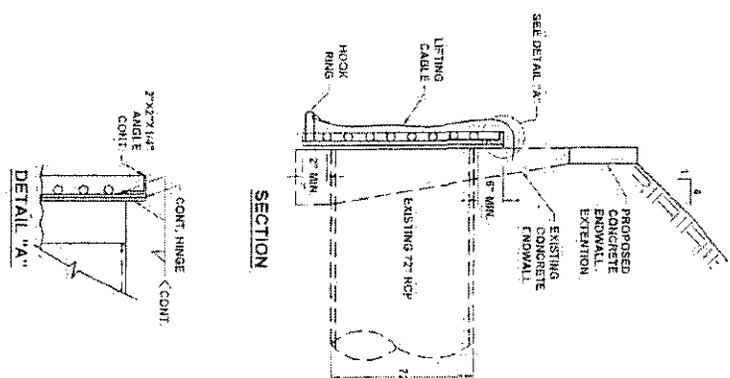
- THE PERMITTEE SHALL COMPLY WITH THE FOLLOWING CONDITIONS INTENDED TO PROTECT MANATEES FROM DIRECT PROJECT EFFECTS:
- A. ALL PERSONNEL ASSOCIATED WITH THE PROJECT SHALL BE INSTRUCTED ABOUT THE PRESENCE OF MANATEES AND MANATEE SPEED ZONES, AND THE NEED TO AVOID COLLISIONS WITH AND INJURIES TO MANATEES. THE PERMITTEE SHALL ADVISE ALL CONSTRUCTION PERSONNEL THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING, OR KILLING MANATEES WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT, THE ENDANGERED SPECIES ACT, AND THE FLORIDA MANATEE SANCTUARY ACT.
 - B. ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "IDLE SPEEDING WAKE" AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR-FOOT CLEARANCE FROM THE BOTTOM. ALL VESSELS WILL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.
 - C. SITUATION OR TURBIDITY BARRIERS SHALL BE MADE OF MATERIAL IN WHICH MANATEES CANNOT BECOME ENTANGLED, SHALL BE PROPERLY SECURED, AND SHALL BE REGULARLY MONITORED TO AVOID MANATEE ENTANGLEMENT OR ENTRAPMENT. BARRIERS MUST NOT IMPED MANATEE MOVEMENT.
 - D. ALL ON-SITE PROJECT PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MANATEES. ALL IN-WATER OPERATIONS, INCLUDING VESSELS, MUST BE SHUT DOWN IF A MANATEE COMES WITHIN 50 FEET OF THE OPERATION. ACTIVITIES WILL NOT RESUME UNTIL THE MANATEE HAS MOVED BEYOND THE 50-FOOT RADIUS OF THE PROJECT OPERATION. OR UNTIL 30 MINUTES ELAPSES IF THE MANATEE HAS NOT REAPPEARED WITHIN 50 FEET OF THE OPERATION. ANIMALS MUST NOT BE HERDED AWAY OR HARASSED INTO LEAVING.
 - E. ANY COLLISION WITH OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE PNC HOTLINE AT 1-888-404-FWCC. COLLISION AND/OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1-904-232-2580) FOR NORTH FLORIDA OR VERO BEACH (1-772-562-3909) FOR SOUTH FLORIDA.
 - F. TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL IN-WATER PROJECT ACTIVITIES. ALL SIGNS ARE TO BE REMOVED BY THE PERMITTEE UPON COMPLETION OF THE PROJECT. AWARENESS SIGNS THAT HAVE ALREADY BEEN APPROVED FOR THIS USE BY THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) MUST BE USED. ONE SIGN MEASURING AT LEAST 3 FT. BY 4 FT. WHICH READS "CAUTION: MANATEE AREA MUST BE POSTED. A SECOND SIGN MEASURING AT LEAST 4 FT. BY 11 FT. EXPLAINING THE REQUIREMENTS FOR "IDLE SPEEDING WAKE" AND THE SHUT DOWN OF IN-WATER OPERATIONS MUST BE POSTED IN A LOCATION PROMINENTLY VISIBLE TO ALL PERSONNEL ENGAGED IN WATER-RELATED ACTIVITIES.

CAUTION
MANATEE HABITAT

IDLE SPEED is required if operating a vessel in the construction area.
All Equipment must be SHUT DOWN if a manatee comes within 50 feet of operation.

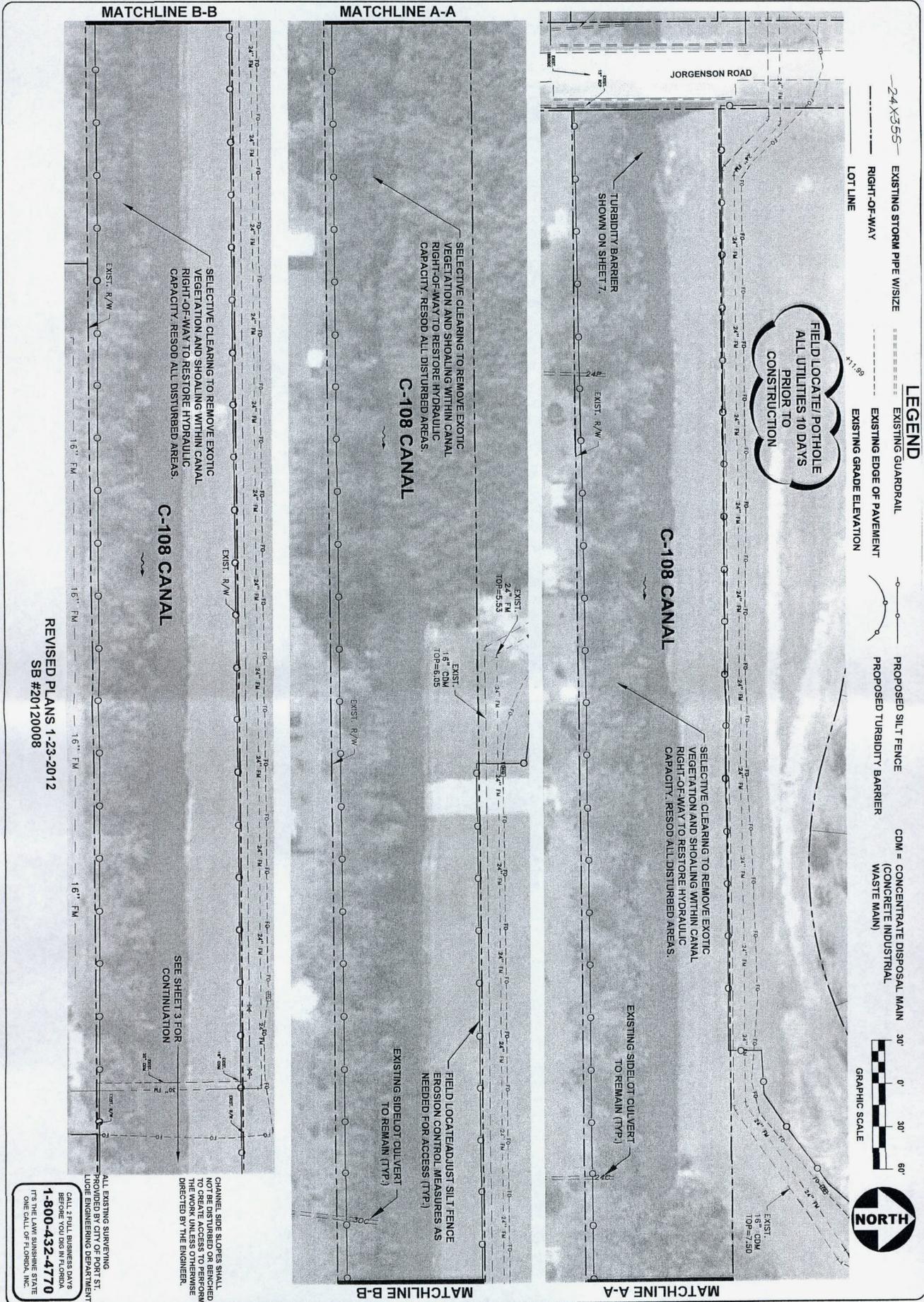
Any collision with and/or injury to a manatee shall be reported immediately to the FWC at:
1-888-404-FWCC
(1-888-404-3922)

REVISED PLANS 1-23-2012
SB #20120008



ALL LIFTING SURVEILLANCE PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT.
1-800-432-4770
CITY OF PORT SAINT LUCIE, FLORIDA
1000 W. UNIVERSITY BLVD., SUITE 200
PORT SAINT LUCIE, FLORIDA 34956
Tel: (888) 432-4770
Fax: (888) 432-4770

<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-108 CANAL STRUCTURE 8-01</p>	<p>SCALE VERIFICATION</p> <p>SOLID BAR IS HORIZONTAL TO ONE FROM ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.</p>	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APPROVED FOR CONSTRUCTION</th> <th>REVISIONS</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY	APPROVED FOR CONSTRUCTION	REVISIONS						<p>EST. 1981</p> <p>CREATED BY: []</p> <p>DESIGNED BY: []</p> <p>DRAWN BY: []</p> <p>CHECKED BY: []</p> <p>IN CHARGE: []</p> <p>APP. DATE: []</p> <p>CITY OF PORT SAINT LUCIE, FLORIDA</p>	<p>311 West Flagler Ave., Ste. 201 Port Saint Lucie, FL 34956 Phone: (888) 432-4770 Fax: (888) 432-4770</p> <p>Professional Seal</p>
			NO.	DATE	BY	APPROVED FOR CONSTRUCTION	REVISIONS							
<p>APPROVED BY: []</p> <p>DATE: []</p>	<p>APPROVED BY: []</p> <p>DATE: []</p>													



LEGEND

- 24x35 --- EXISTING STORM PIPE W/SIZE
- RIGHT-OF-WAY ---
- LOT LINE ---
- EXISTING GUARDRAIL ---
- EXISTING EDGE OF PAVEMENT ---
- EXISTING GRADE ELEVATION ---
- PROPOSED SILT FENCE ---
- PROPOSED TURBIDITY BARRIER ---
- CDM = CONCENTRATE DISPOSAL MAIN (CONCRETE INDUSTRIAL WASTE MAIN) ---

30' 0' 30' 60'

GRAPHIC SCALE

NORTH

ALL EXISTING SURVEYING PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT.

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ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
 CITY OF PORT SAINT LUCIE, FLORIDA

C-108 CANAL REGRADING AND CLEARING

SCALE VERIFICATION

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NO.	DATE	BY	REVISIONS
1	01/23/12	SPM	APPROVED FOR CONSTRUCTION

DATE:	01/23/12
DRAWN BY:	DAS
DESIGNED BY:	H.L.T.
CHECKED BY:	SPM
PROJECT NO.:	779.1.1
HORIZ. SCALE:	AS SHOWN
VERT. SCALE:	NA
CADD FILE:	PLAN

CAPTEC
 Engineering, Inc.

Civil Engineering Professionals

301 NW Flagler Ave. Ste. 201
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Engineering Business Inc. 10/000007

Job No. 779.1.1
 SHEET 5 OF 26

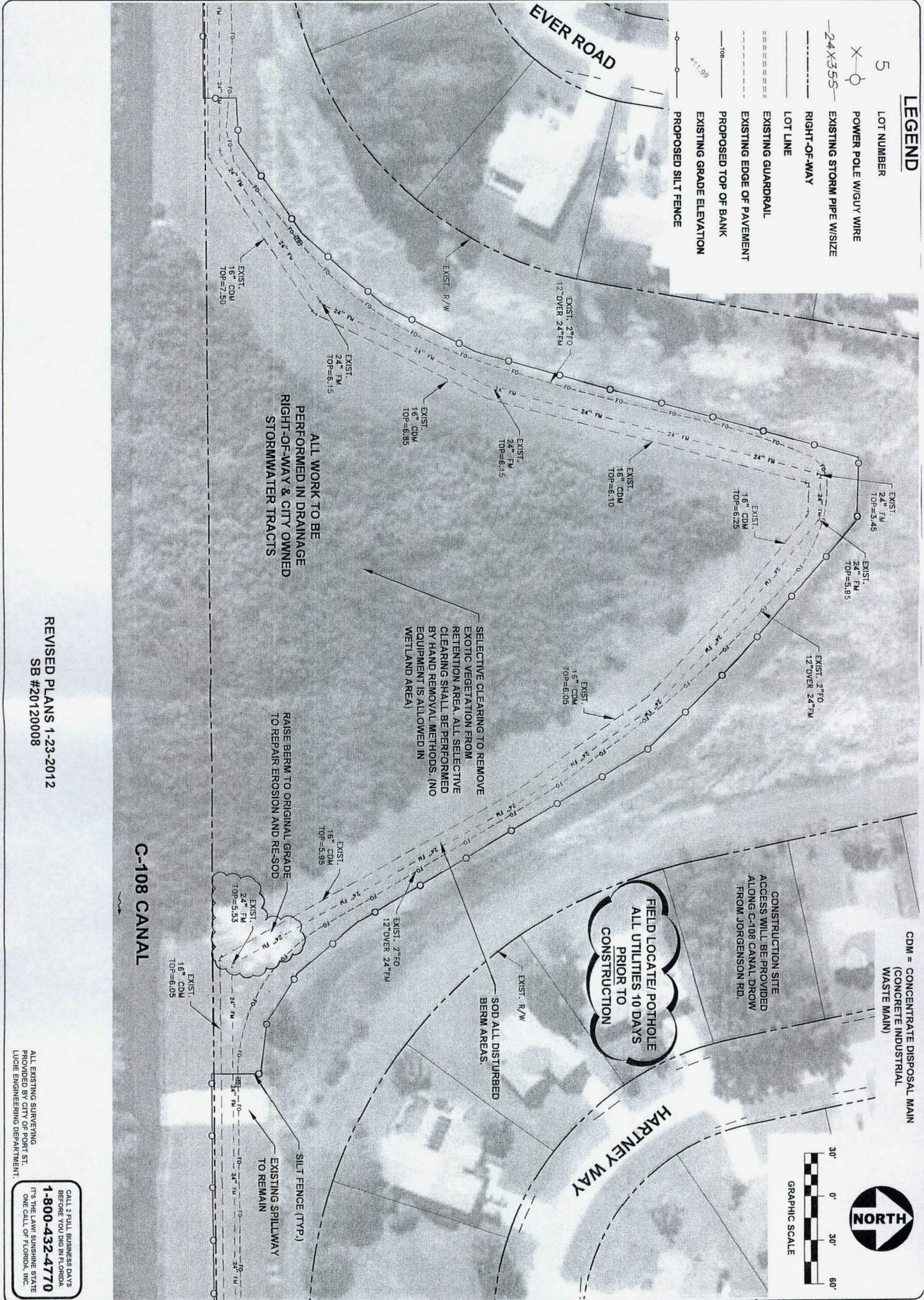
ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
 CITY OF PORT SAINT LUCIE, FLORIDA

REVISED PLANS 1-23-2012
 SB #20120008

CHANNEL SIDE SLOPES SHALL NOT BE DISTURBED OR BENCHMARK TO CREATE ACCESS TO PERFORM THE WORK UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

LEGEND

- 5 LOT NUMBER
- POWER POLE W/5/4 WIRE
- EXISTING STORM PIPE W/SIZE
- 24" X 35.5"
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE



ALL WORK TO BE PERFORMED IN DRAINAGE RIGHT-OF-WAY & CITY OWNED STORMWATER TRACTS

SELECTIVE CLEARING TO REMOVE EXOTIC VEGETATION FROM RETENTION AREA. ALL SELECTIVE CLEARING SHALL BE PERFORMED BY HAND REMOVAL METHODS. (NO EQUIPMENTS ALLOWED IN WETLAND AREA)

RAISE BERM TO ORIGINAL GRADE TO REPAIR EROSION AND RE-SOD

FIELD LOCATE/ POT HOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION

CONSTRUCTION SITE ACCESS WILL BE PROVIDED ALONG C-108 CANAL DROW FROM JORGENSEN RD.

CDM = CONCENTRATE DISPOSAL MAIN (CONCRETE INDUSTRIAL WASTE MAIN)



REVISED PLANS 1-23-2012
SB #20120008

CALL 2 FULL BUSINESS DAYS BEFORE THE END OF THE DAY FOR THE LAW SUNSHINE STATE ONE CALL OF FLORIDA, INC.
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THE LOCATION, TOGETHER WITH THE CONCEPTS AND DESIGN PRESENTED HEREIN AS AN INSTRUMENT OF SERVICE IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY CAPTEC ENGINEERING, INC. SHALL BE WITHOUT LIABILITY TO CAPTEC ENGINEERING, INC.

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CITY OF PORT SAINT LUCIE, FLORIDA

C-108 CANAL DETENTION AREA 1

SCALE VERIFICATION

SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY

NO.	DATE	BY	APPROVED FOR CONSTRUCTION	REVISIONS
1	9/28/12	SPM		

DATE: 07/25/11
DRAWN BY: DAS
DESIGNED BY: HLT
CHECKED BY: SPM
PROJECT NO.: 778.1
HORIZ. SCALE: AS SHOWN
VERT. SCALE: N/A
CADD FILE: PLAN

CAPTEC
Civil Engineering Professionals

301 NW Flagler Ave. Ste. 201
Stuart, Florida 34994
Phone: (772) 992-4344
Fax: (772) 992-4341

Engineering Business
No. 05-0007007

Drawn by: [Name]
301 NW Flagler Ave.
Stuart, Florida 34994
772.992.4344

JOB No.: 779.1.1
SHEET 6 OF 26

LEGEND

- 5 LOT NUMBER
- POWER POLE W/ GUY WIRE
- 24" X 355" EXISTING STORM PIPE W/ SIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER

CDM = CONCENTRATE DISPOSAL MAIN
(CONCRETE INDUSTRIAL WASTE MAIN)

FILL TO REPAIR EXISTING STRUCTURE:
INSTALL ARTICULATED CONCRETE BLOCK MATS ALONG REGRADED INVERT TO FORM SMOOTH TRANSITION TO DOWNS-STREAM CHANNEL.

FIELD LOCATE/ POT HOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION

SOD ALL DISTURBED AREAS (TYP.)

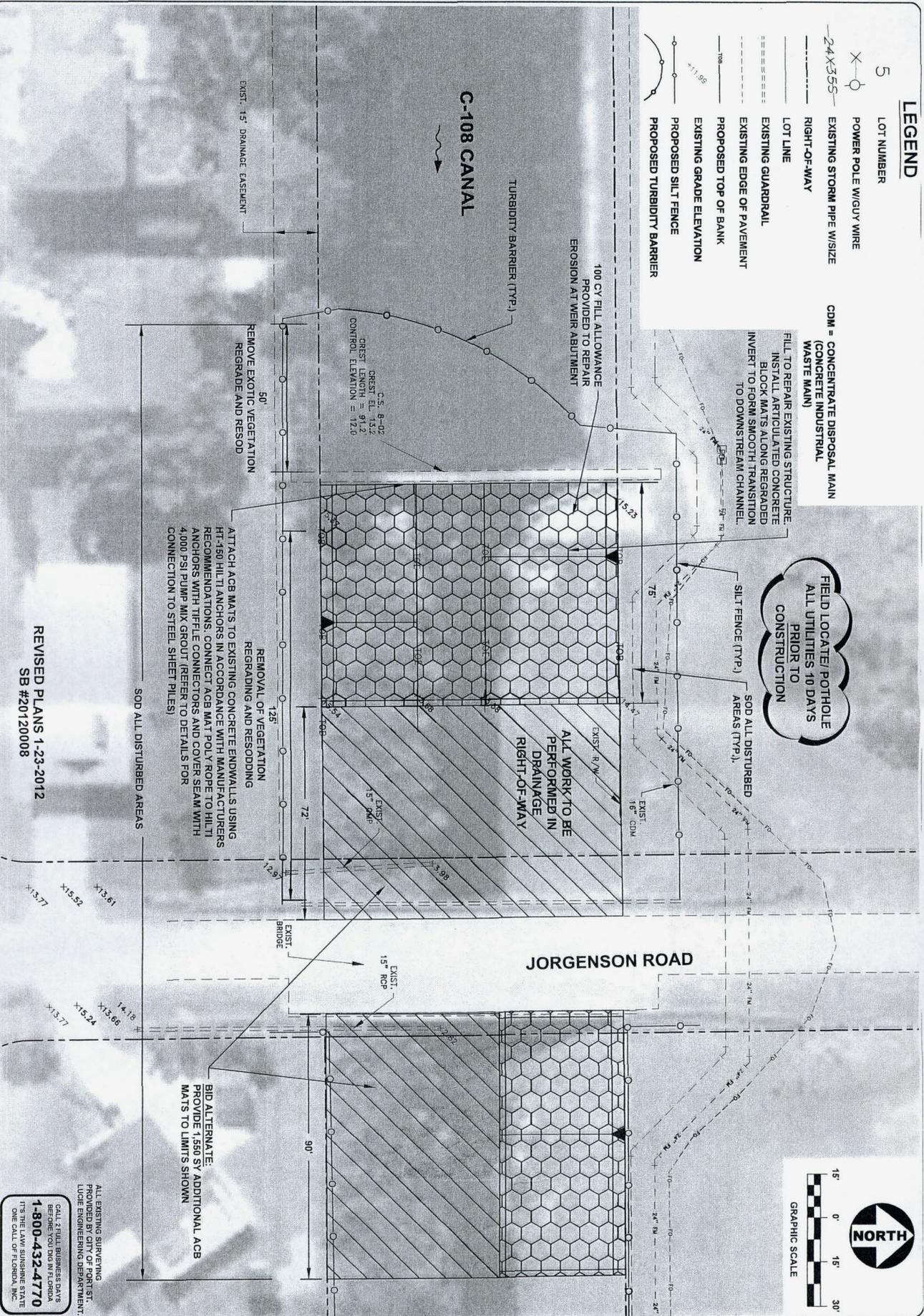
ALL WORK TO BE PERFORMED IN DRAINAGE RIGHT-OF-WAY

REMOVE EXOTIC VEGETATION
REGRADE AND RESOD
ATTACH ACG MATS TO EXISTING CONCRETE ENDWALLS USING HT-150 HILTI ANCHORS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. CONNECT ACG MAT POLY ROPE TO HILTI ANCHORS WITH TIEFILE CONNECTORS AND COVER SEAM WITH 4,000 PSI PUMP MIX GROUT (REFER TO DETAILS FOR CONNECTION TO STEEL SHEET PILES)

REMOVAL OF VEGETATION
REGRADE AND RESODDING

REMOVED PLANS 1-23-2012
SB #20120008

SOD ALL DISTURBED AREAS



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LUCIE ENGINEERING DEPARTMENT.

**ST. LUCIE NORTH DRAINAGE
BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA**

**C-108 CANAL
CONTROL STRUCTURE 8-02**

SCALE VERIFICATION

SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.

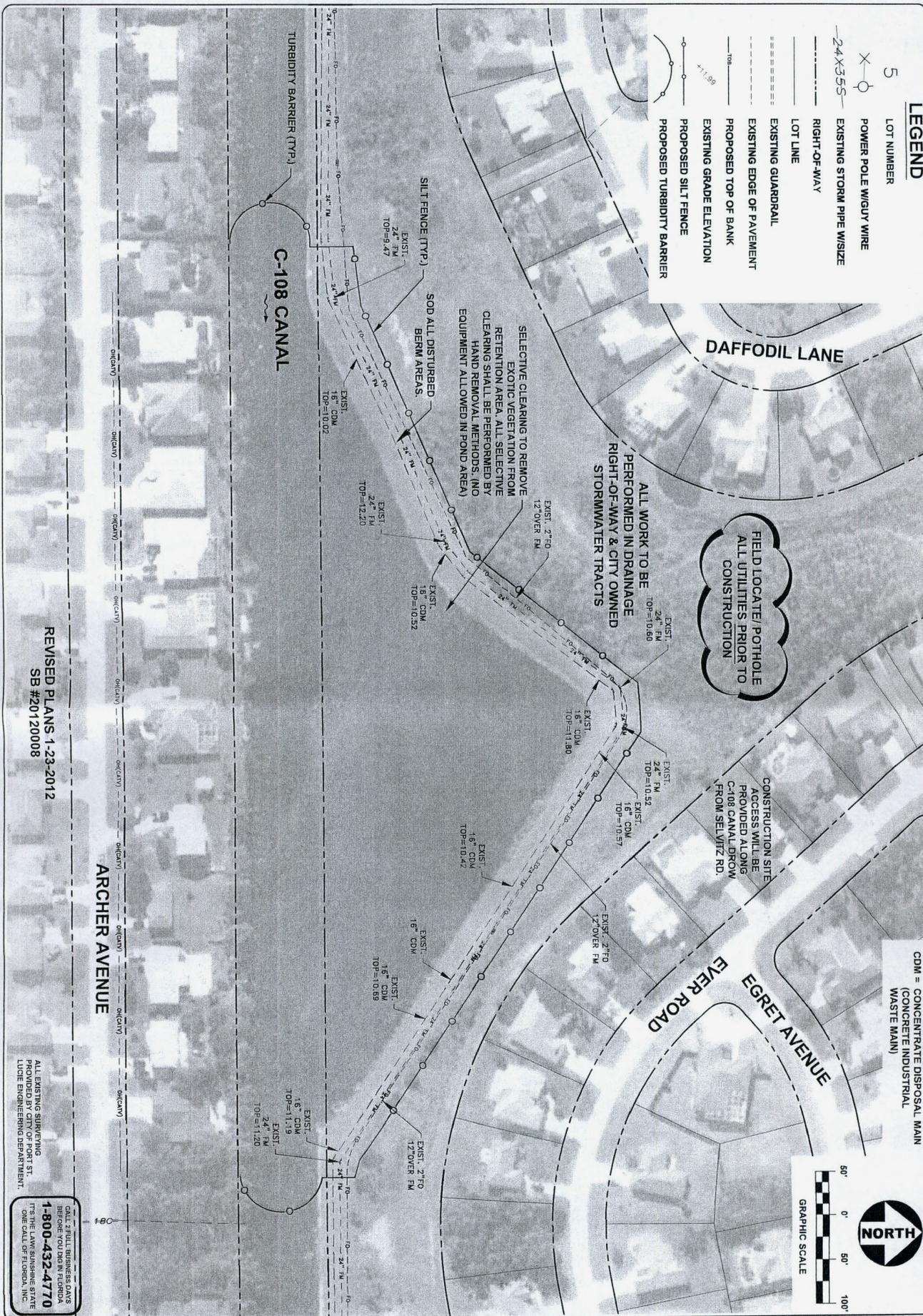
NO.	DATE	BY	REVISIONS
1	8/28/12	SPM	APPROVED FOR CONSTRUCTION

DATE: 8/28/12
DRAWN BY: DAS
DESIGNED BY: HLT
CHECKED BY: SPM
PROJECT NO.: 7783.1
HORIZ. SCALE: AS SHOWN
VERT. SCALE: N/A
CADD FILE: PLAN

CAPTEC
Civil Engineering Professionals

301 NW Flagler Ave. Ste. 201
Stuart, Florida 34994
Phone: (772) 692-4244
Fax: (772) 692-4341

Engineering Business
No. 05-0001607



LEGEND

- 5 LOT NUMBER
- POWER POLE W/ GUY WIRE
- 24x35.5 EXISTING STORM PIPE W/SIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER

FIELD LOCATE/ POT HOLE ALL UTILITIES PRIOR TO CONSTRUCTION

ALL WORK TO BE PERFORMED IN DRAINAGE RIGHT-OF-WAY & CITY OWNED STORMWATER TRACTS

CONSTRUCTION SITE ACCESS WILL BE PROVIDED ALONG C-108 CANAL FROM SELVIZ RD.

CDM = CONCENTRATE DISPOSAL MAIN
(CONCRETE INDUSTRIAL WASTE MAIN)



REVISED PLANS 1-23-2012
SB #20120008

ARCHER AVENUE

ALL EXISTING SURVEYS PROVIDED AS NOTED ON THE PLAN. SEE THE LUCIE ENGINEERING DEPARTMENT.

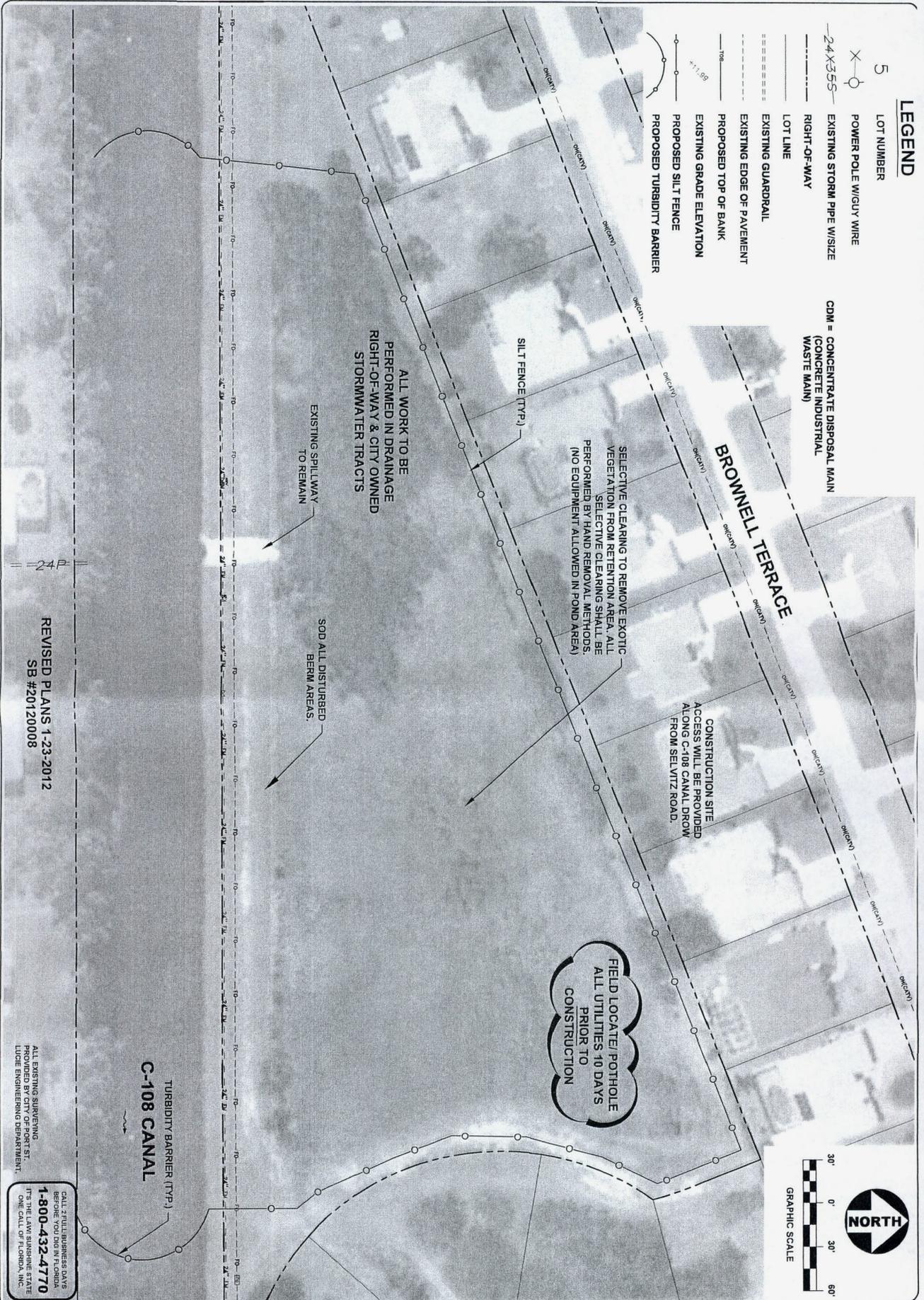
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ONE CALL OF FLORIDA, INC.

<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p style="text-align: center;">C-108 CANAL DETENTION AREA 2</p>	<p>SCALE VERIFICATION</p> <p>1" = 100'</p> <p>SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY	REVISIONS									<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DATE:</td> <td>5/28/12</td> </tr> <tr> <td>DRAWN BY:</td> <td>DAS</td> </tr> <tr> <td>DESIGNED BY:</td> <td>HLT</td> </tr> <tr> <td>CHECKED BY:</td> <td>SPM</td> </tr> <tr> <td>PROJECT NO.:</td> <td>779.1.1</td> </tr> <tr> <td>HORIZ. SCALE:</td> <td>AS SHOWN</td> </tr> <tr> <td>VERT. SCALE:</td> <td>NA</td> </tr> <tr> <td>CADD FILE:</td> <td>PLAN</td> </tr> </table>	DATE:	5/28/12	DRAWN BY:	DAS	DESIGNED BY:	HLT	CHECKED BY:	SPM	PROJECT NO.:	779.1.1	HORIZ. SCALE:	AS SHOWN	VERT. SCALE:	NA	CADD FILE:	PLAN	<p>361 NW Flagler Ave., Ste. 201 Stuart, Florida 34914 Phone: (772) 692-4344 Fax: (772) 692-4341</p> <p>Civil Engineering Professionals Engineering Business Inc. (EBC007067)</p>
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VERT. SCALE:	NA																															
CADD FILE:	PLAN																															

LEGEND

- 5 LOT NUMBER
- POWER POLE W/GUY WIRE
- 24X355 EXISTING STORM PIPE W/SIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER

CDM = CONCENTRATE DISPOSAL MAIN
(CONCRETE INDUSTRIAL WASTE MAIN)



REVISED PLANS 1-23-2012
SB #20120008

ALL EXISTING SURVEYING PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT.

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1-800-432-4770
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ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

C-108 CANAL DETENTION AREA 3

Project No. 779.1.1
SHEET 9 OF 26

SCALE VERIFICATION

1
SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY

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DATE:	8/28/12
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DESIGNED BY:	HLT
CHECKED BY:	SPM
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HORIZ. SCALE:	AS SHOWN
VERT. SCALE:	N/A
CADD FILE:	PLAN

CAPTEC
Civil Engineering Professionals

301 NW Flagler Ave. Ste. 201
Stuart, Florida 34994
Phone: (772) 692-4344
Fax: (772) 692-4341

Engineering Business Inc. (EBC007067)

LEGEND

- 5 LOT NUMBER
- POWER POLE W/ GUY WIRE
- 24X355 EXISTING STORM PIPE W/ SIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER

BID ALTERNATE:

1. CONTRACTOR SHALL REMOVE EXISTING FABRIFORM REINFORCEMENT.
2. REGRADE/COMPACT CHANNEL SIDE SLOPES & BOTTOM TO REPAIR SCOUR DAMAGE.
3. INSTALL 1,650 SY ARTICULATED CONCRETE BLOCK MATS TO LIMITS OF EXISTING FABRIFORM.

FLORIDA'S TURNPIKE

NORTH MACEDO BOULEVARD

C-108 CANAL

FIELD LOCATE/ POT HOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION

CONTRACTOR SHALL REPLACE EXISTING CONCRETE SLOPE PAVEMENT AS DIRECTED BY CITY (750 SY ALLOWANCE)

REMOVE PINE TREE ON SOUTH SIDE LEAVING STUMP.

NO WORK ALLOWED IN TURNPIKE RM

CONTRACTOR SHALL CAREFULLY REMOVE SEDIMENTS AND CLEAN EXISTING FABRIFORM REINFORCEMENTS ON WEST SIDE OF BRIDGE UNDER BRIDGE, AND ON THE EAST SIDE OF BRIDGE TO ORIGINAL SECTION / GRADE. ANY CONTRACTOR DAMAGE TO FABRIFORM CAUSED BY SEDIMENT REMOVAL WORK SHALL BE REPAIRED BY CONTRACTOR AT NO ADDITIONAL COST TO CITY.

REGROUT / REPAIR (CORE & FILL) DAMAGED FABRIFORM AS NEEDED (1,000 SY ALLOWANCE AS DIRECTED BY CITY) REMOVE / REPLACE LOOSE CONCRETE IN EXISTING FABRIFORM JOINTS (INCLUDED IN FABRIFORM REPAIR ALLOWANCE)

VEGETATION REMOVAL, REGRADE, AND RESODDING

CONTROL STRUCTURE B-06

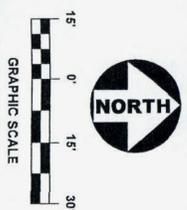
SOD ALL DISTURBED AREAS ABOVE WATER LINE (TYP.)

ALL WORK TO BE PERFORMED IN RIGHT-OF-WAY & CITY OWNED PROPERTIES

REVISED PLANS 1-23-2012 SB #20120008

CALL 2-FULL BUSINESS HOURS BEFORE YOU DRIVE IN FLORIDA
 1-800-432-4770
 ITS THE LAW SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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DESIGNED BY: HLT	CHECKED BY: SPM	PROJECT NO.: 779.1.1	HORIZ. SCALE: AS SHOWN	VERT. SCALE: N/A	CADD FILE: PLAN	

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

C-108 CANAL CONTROL STRUCTURE 8-06

SCALE VERIFICATION

SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY

NO.	DATE	BY	APPROVED FOR CONSTRUCTION	REVISIONS
1	9/20/12	SPM		

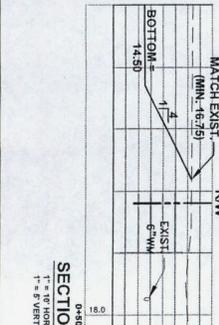
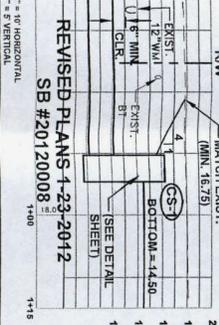
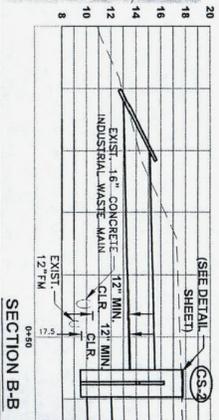
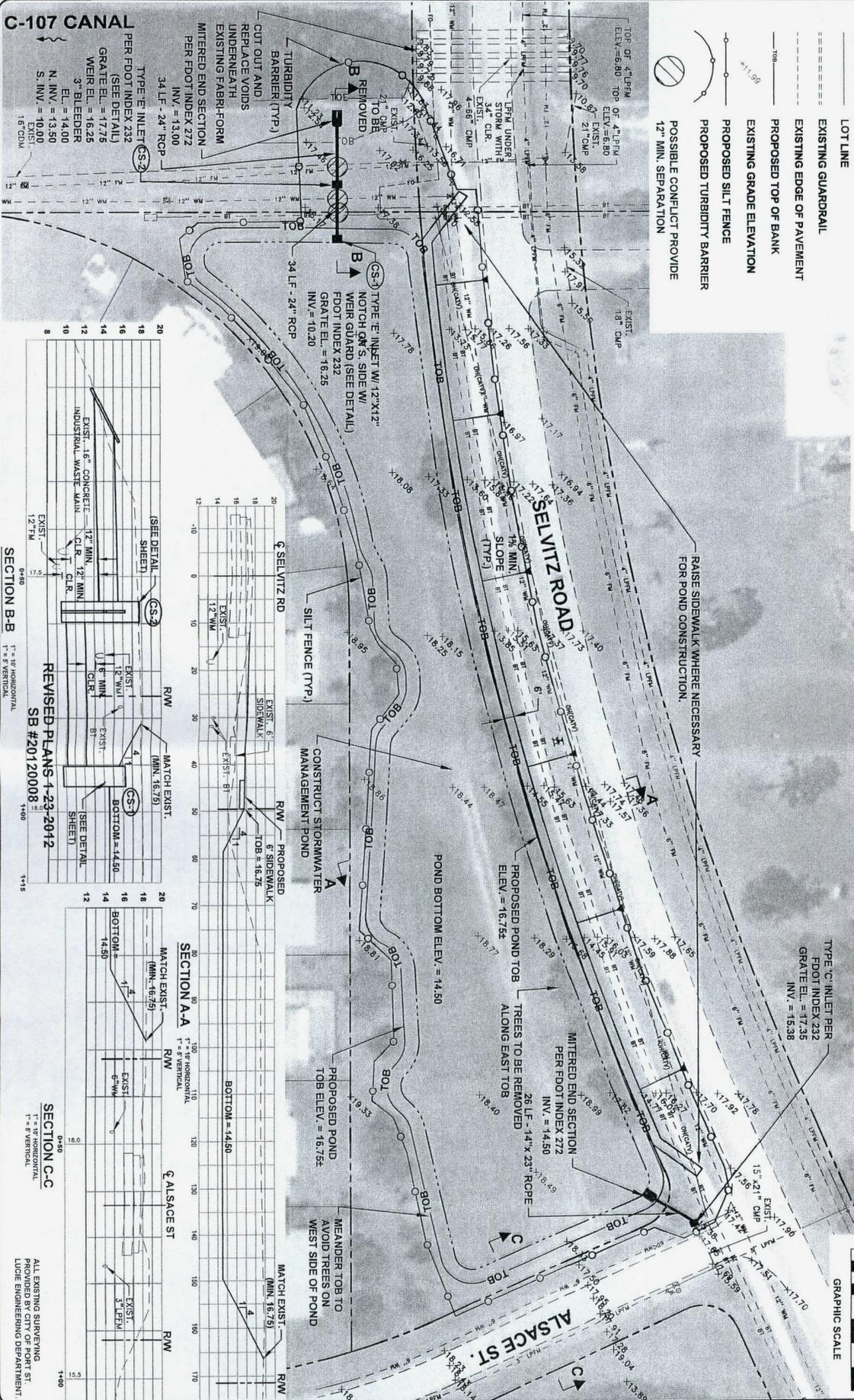
391 NW Flagler Ave. Ste. 201
 Stuart, Florida 34994
 Phone: (772) 692-4344
 Fax: (772) 692-4341

Engineering Business
 No. 05-0007607

LEGEND

- 5 LOT NUMBER
- POWER POLE W/GUY WIRE
- EXISTING STORM PIPE W/SIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER
- POSSIBLE CONFLICT PROVIDE 12" MIN. SEPARATION

CDM = CONCENTRATE DISPOSAL MAIN
(CONCRETE INDUSTRIAL WASTE MAIN)



CALL FOR FULL BUSINESS DAYS BEFORE 10:00 AM TELEPHONE 1-800-432-4770 IT'S THE LAW! FLORIDA STATE ONE CALL OF FLORIDA, INC.

FIELD LOCATE/POTHOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION



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ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

C-107 CANAL
DRY DETENTION POND

SCALE VERIFICATION
SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.

DATE: 8/25/11
DRAWN BY: DAS
DESIGNED BY: SHT
CHECKED BY: SPM
PROJECT No.: 7791.1
HORIZ. SCALE: AS SHOWN
VERT. SCALE: AS SHOWN
CADD FILE: PLAN

301 NW Flagler Ave. Ste. 201
Stuart, Florida 34994
Phone: (772) 892-4244
Fax: (772) 892-4241

Engineering Business No. 08-000787

ALL EXISTING SURVEING PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT

JOB No.: 7791.1.1
SHEET 11 OF 26

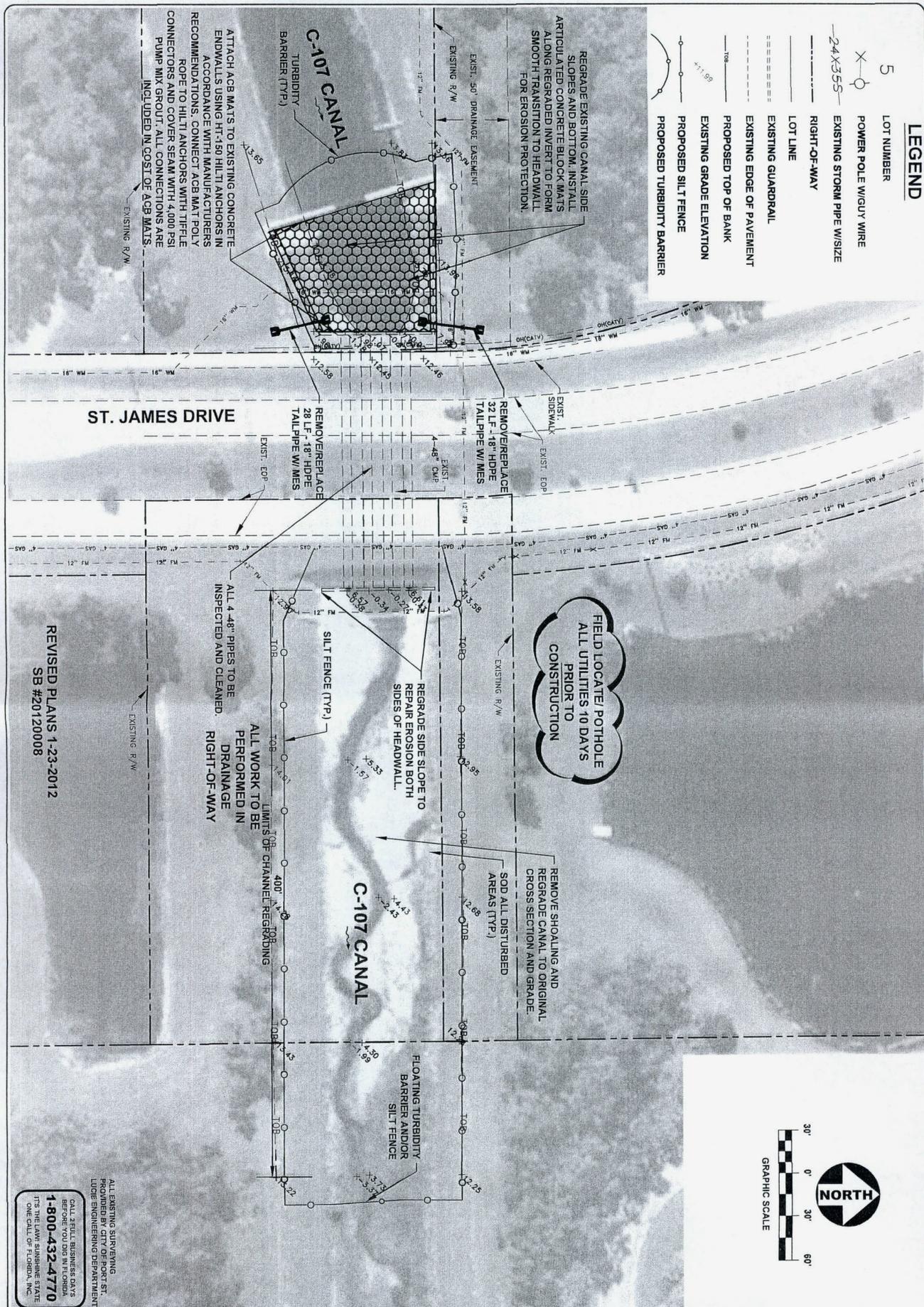
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1	6/20/12	SPM	APPROVED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

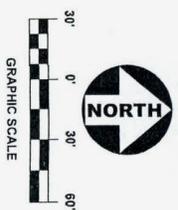
LEGEND

- 5 LOT NUMBER
- POWER POLE W/GUY WIRE
- EXISTING STORM PIPE W/SIZE 24X35.5
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
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FIELD LOCATE/POTHOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION

REVISED PLANS 1-23-2012
SB #20120008



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CALL, E-MAIL, TELEPHONE OR VISIT THE LUMI SURVEYING STATE OFFICE FOR MORE INFORMATION.
1-800-432-4770

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

**C-107 CANAL
7-01 PIPE IMPROVEMENTS**

Scale Verification: 1" = 100'
SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.

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DATE: 8/28/12
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DESIGNED BY: HLT
CHECKED BY: SPM
PROJECT NO.: 778.1.1
HORZ. SCALE: AS SHOWN
VERT. SCALE: N/A
CADD FILE: PLAN

391 NW Flagler Ave. Ste. 201
Stuart, Florida 34994
Phone: (772) 692-4341
Fax: (772) 692-4341

CAPTEC
Civil Engineering Professionals
Engineering Business
Tel: 888-6007897

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

**C-107 CANAL
7-01 PIPE IMPROVEMENTS**

Scale Verification: 1" = 100'
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**C-107 CANAL
7-01 PIPE IMPROVEMENTS**

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ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

**C-107 CANAL
7-01 PIPE IMPROVEMENTS**

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ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

**C-107 CANAL
7-01 PIPE IMPROVEMENTS**

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CITY OF PORT SAINT LUCIE, FLORIDA

**C-107 CANAL
7-01 PIPE IMPROVEMENTS**

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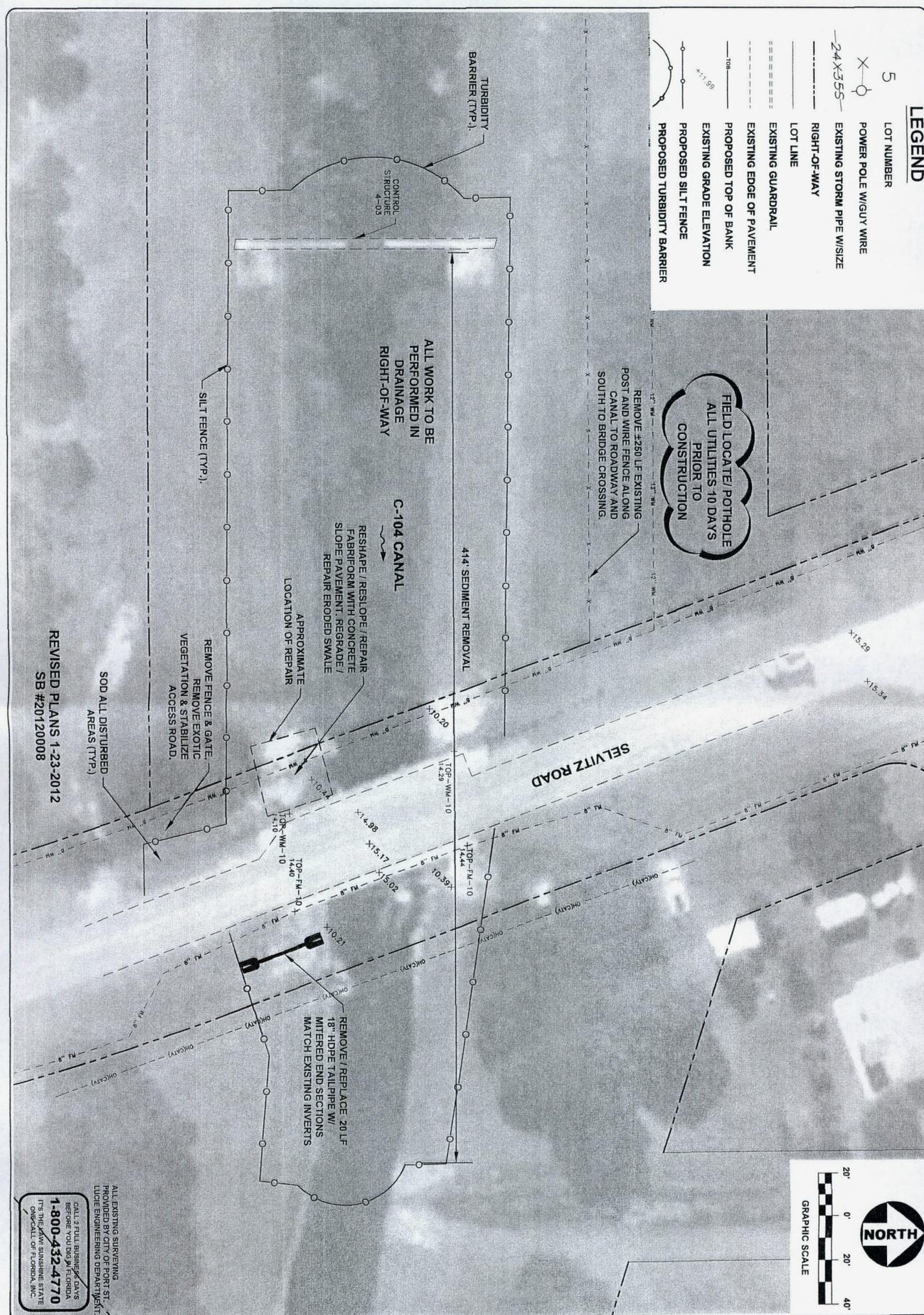
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Civil Engineering Professionals
Engineering Business
Tel: 888-6007897

LEGEND

- 5 LOT NUMBER
- X— POWER POLE W/GUY WIRE
- 24X355— EXISTING STORM PIPE W/SIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER



REVISED PLANS 1-23-2012
SB #20120008

ALL EXISTING SURVEYING PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT.

DATE: 07/25/11
DRAWN BY: DAS
DESIGNED BY: MLT
CHECKED BY: SPM
PROJECT NO.: 7731.1
HORIZ. SCALE: AS SHOWN
VERT. SCALE: N/A
CADD FILE: PLAN

20' 0' 20' 40'

GRAPHIC SCALE

NORTH

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ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA

C-104 CANAL CONTROL STRUCTURE 4-03

SCALE VERIFICATION

1" = 40'

SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING, AND ALL SCALED DIMENSIONS ACCORDINGLY

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Stuart, Florida 34994
Phone: (772) 692-4344
Fax: (772) 692-4341

Engineering Business
No. 89-0007697

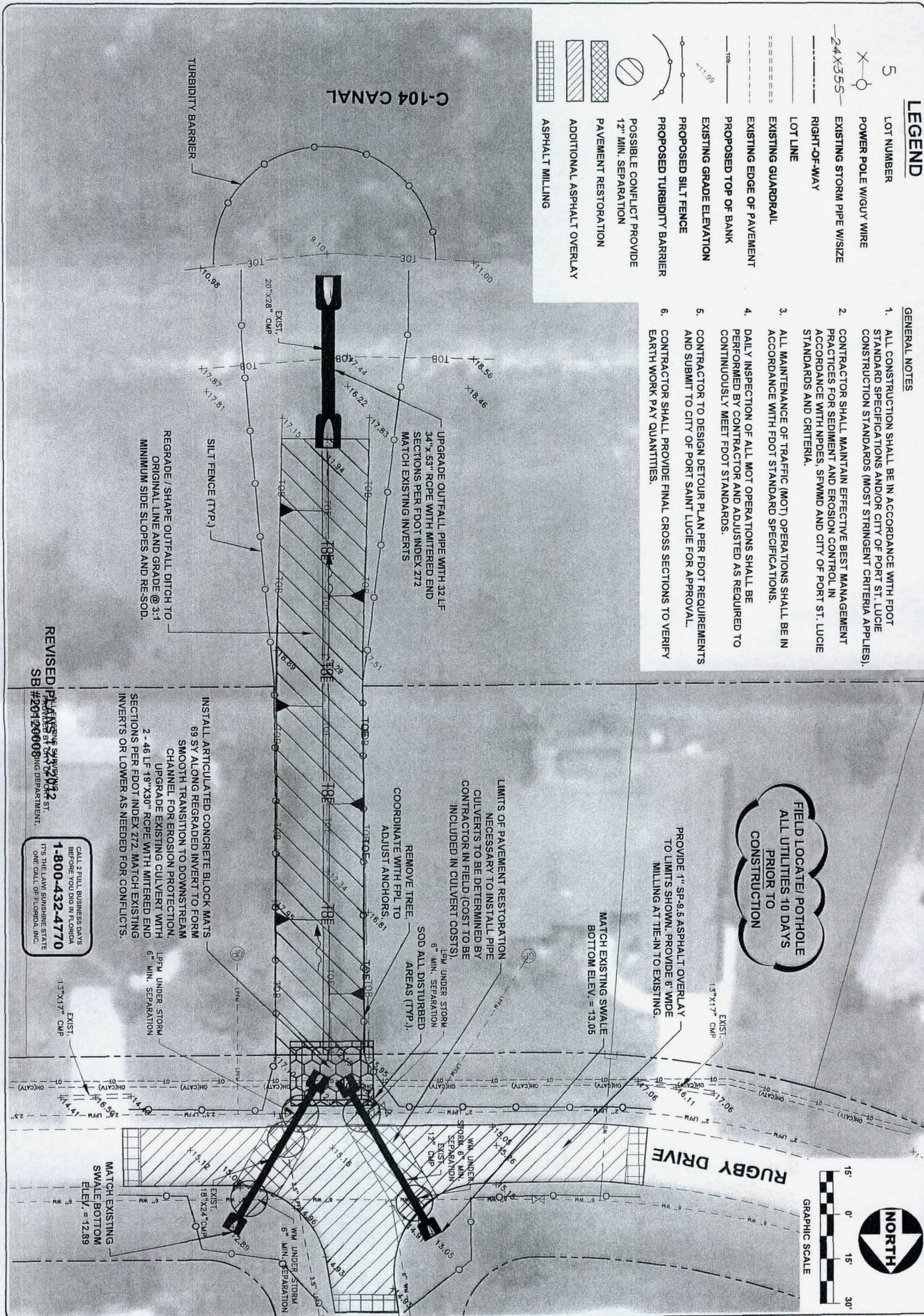
Job No.: 779.1.1
SHEET 13 OF 26

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA



LEGEND

- GENERAL NOTES**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS AND/OR CITY OF PORT ST. LUCIE CONSTRUCTION STANDARDS (MOST STRINGENT CRITERIA APPLIES).
 2. CONTRACTOR SHALL MAINTAIN EFFECTIVE BEST MANAGEMENT PRACTICES FOR SEDIMENT AND EROSION CONTROL IN ACCORDANCE WITH NPDES, SFVMD AND CITY OF PORT ST. LUCIE STANDARDS AND CRITERIA.
 3. ALL MAINTENANCE OF TRAFFIC (MOT) OPERATIONS SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS.
 4. DAILY INSPECTION OF ALL MOT OPERATIONS SHALL BE PERFORMED BY CONTRACTOR AND ADJUSTED AS REQUIRED TO CONTINUOUSLY MEET FDOT STANDARDS.
 5. CONTRACTOR TO DESIGN DETOUR PLAN PER FDOT REQUIREMENTS AND SUBMIT TO CITY OF PORT SAINT LUCIE FOR APPROVAL.
 6. CONTRACTOR SHALL PROVIDE FINAL CROSS SECTIONS TO VERIFY EARTH WORK PAY QUANTITIES.



FIELD LOCATE/ POTHOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION

PROVIDE 1" SP-4.5 ASPHALT OVERLAY TO LIMITS SHOWN. PROVIDE 8" WIDE MILLING AT THE IN TO EXISTING.

LIMITS OF PAVEMENT RESTORATION NECESSARY TO INSTALL PIPE CULVERTS TO BE DETERMINED BY CONTRACTOR IN FIELD (COSTS TO BE INCLUDED IN CULVERT COSTS).
REMOVE TREE. COORDINATE WITH FPL TO ADJUST ANCHORS.
SOD ALL DISTURBED AREAS (TYP.).
12" MIN. SEPARATION UNDER STORM SEPARATION.

UPGRADE OUTFALL PIPE WITH 32 LF 34" x 53" RCP WITH MITERED END SECTIONS PER FOOT INDEX Z72 MATCH EXISTING INVERTS.
REGRADE / SHAPE OUTFALL DITCH TO ORIGINAL LINE AND GRADE @ 3:1 MINIMUM SIDE SLOPES AND RE SOD.
SILT FENCE (TYP.)
INSTALL ARTICULATED CONCRETE BLOCK MATS 69 SY ALONG REGRADED INVERT TO FORM SMOOTH TRANSITION TO DOWNSTREAM CHANNEL FOR EROSION PROTECTION.
UPGRADE EXISTING CULVERT WITH 2 - 46 LF 18"x30" RCP WITH MITERED END SECTIONS PER FOOT INDEX Z72. MATCH EXISTING INVERTS OR LOWER AS NEEDED FOR CONFLICTS.

REVISED PLAN BY **SPM** 2/2/12
SB #201200088
CALL 2 FULL BUSINESS DAYS BEFORE YOU DIG IN FLORIDA
1-800-432-4770
THE LAW ASSURANCE STATE ONE CALL OF FLORIDA, INC.

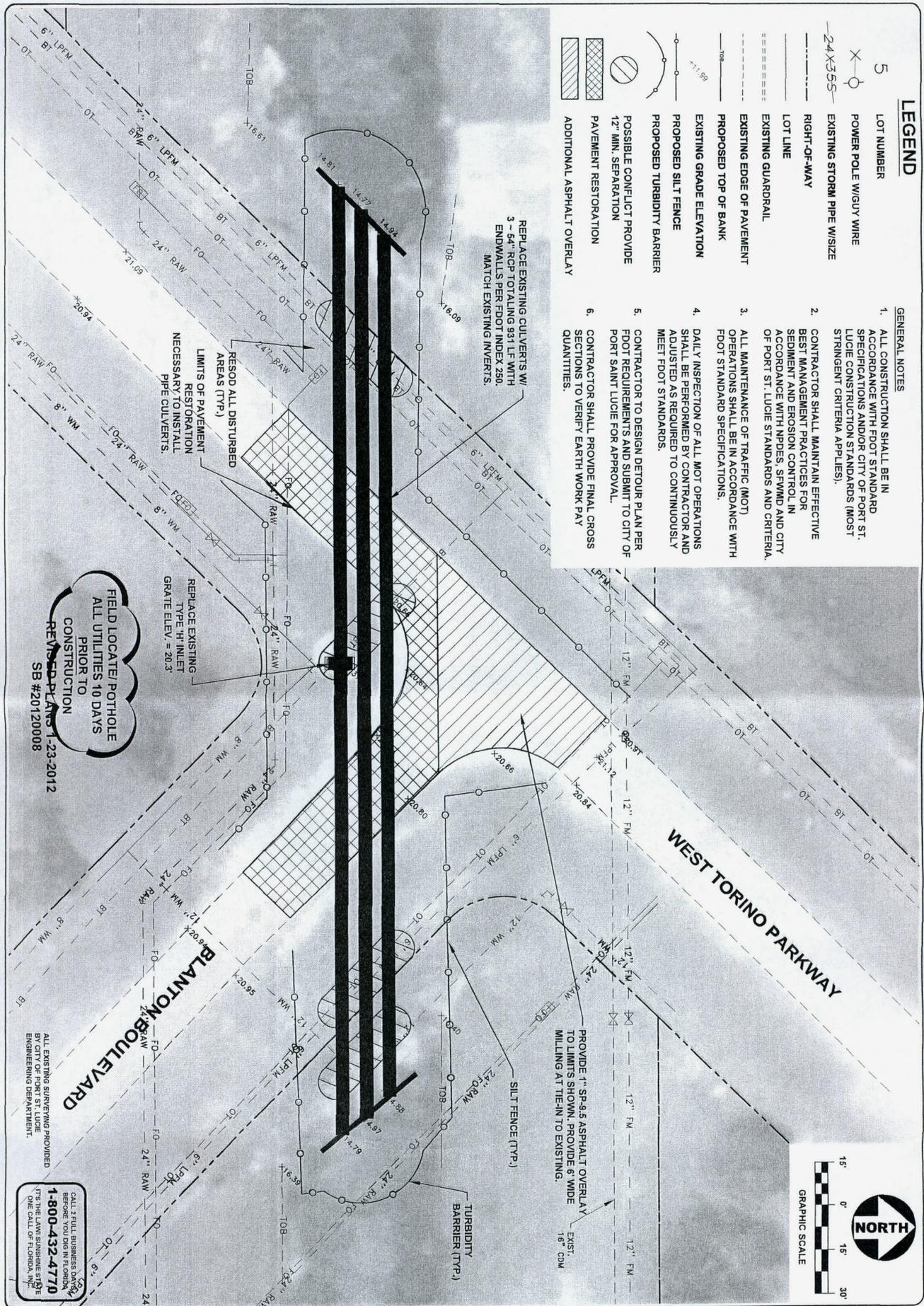


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C-104 CANAL 4R06B PIPE IMPROVEMENTS

Job No.: 779.1.1
14 OF 26 SHEETS



LEGEND

- 5 LOT NUMBER
- POWER POLE W/GUY WIRE
- 24x355 EXISTING STORM PIPE W/IZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER
- POSSIBLE CONFLICT PROVIDE 12" MIN. SEPARATION
- PAVEMENT RESTORATION
- ADDITIONAL ASPHALT OVERLAY

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS AND/OR CITY OF PORT ST. LUCIE CONSTRUCTION STANDARDS (MOST STRINGENT CRITERIA APPLIES).
2. CONTRACTOR SHALL MAINTAIN EFFECTIVE BEST MANAGEMENT PRACTICES FOR SEDIMENT AND EROSION CONTROL IN ACCORDANCE WITH NPDES, SF6WD AND CITY OF PORT ST. LUCIE STANDARDS AND CRITERIA.
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6. CONTRACTOR SHALL PROVIDE FINAL CROSS SECTIONS TO VERIFY EARTH WORK PAQ QUANTITIES.

REPLACE EXISTING CULVERTS W/ 3 - 64\"/>

RESOD ALL DISTURBED AREAS (TYP.)

LIMITS OF PAVEMENT RESTORATION NECESSARY TO INSTALL PIPE CULVERTS.

REPLACE EXISTING TYPE 'H' INLET GRATE ELEV. = 20.3'

FIELD LOCATE/ POT HOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION

REVISED PLANS 1-23-2012 SB #20120008

ALL EXISTING SURVEYING PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT.

CALL A FULL BUSINESS DAY BEFORE YOU DIG IN FLORIDA. IT'S THE LAW. ENFORCE IT. ONE CALL OF FLORIDA. 1-800-432-4770

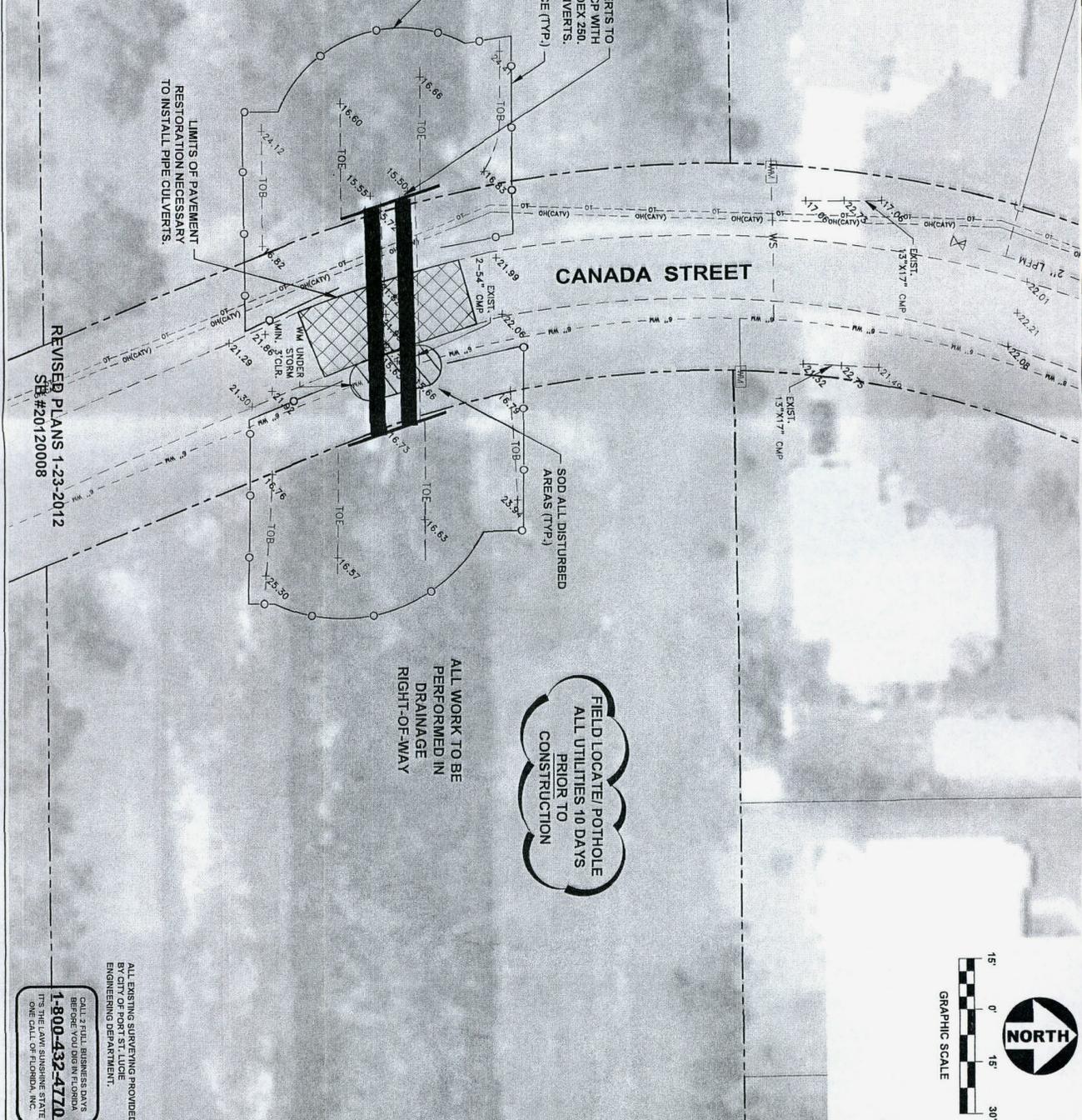


<p>DATE: 8/28/11</p> <p>DRAWN BY: DAS</p> <p>DESIGNED BY: HLT</p> <p>CHECKED BY: SPM</p> <p>PROJECT NO.: 779.1.1</p> <p>HORIZ. SCALE: AS SHOWN</p> <p>VERT. SCALE: NA</p> <p>CADD FILE: PLAN</p>	<p>SCALE VERIFICATION</p> <p>1" = 1' (SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY)</p>	<p>APPROVED FOR CONSTRUCTION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>8/28/11</td> <td>SPM</td> <td>APPROVED FOR CONSTRUCTION</td> </tr> </tbody> </table>	NO.	DATE	BY	REVISIONS	1	8/28/11	SPM	APPROVED FOR CONSTRUCTION	<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS</p> <p>CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-105 CANAL</p> <p>5-09 PIPE IMPROVEMENTS</p>	<p>301 NW Flagler Ave., Ste. 201 St. Lucie, Florida 34954 Phone: (772) 892-4344 Fax: (772) 892-4341</p> <p>CAPTEC Engineering, Inc.</p> <p>Civil Engineering Professionals</p> <p>Engineering Business No. 138007967</p>
NO.	DATE	BY	REVISIONS									
1	8/28/11	SPM	APPROVED FOR CONSTRUCTION									

LEGEND

- 5 LOT NUMBER
- POWER POLE W/GUY WIRE
- EXISTING STORM PIPE W/ISZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
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FIELD LOCATE/ POT HOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION

ALL WORK TO BE PERFORMED IN DRAINAGE RIGHT-OF-WAY

REVISED PLANS 1-23-2012
SB #20120008



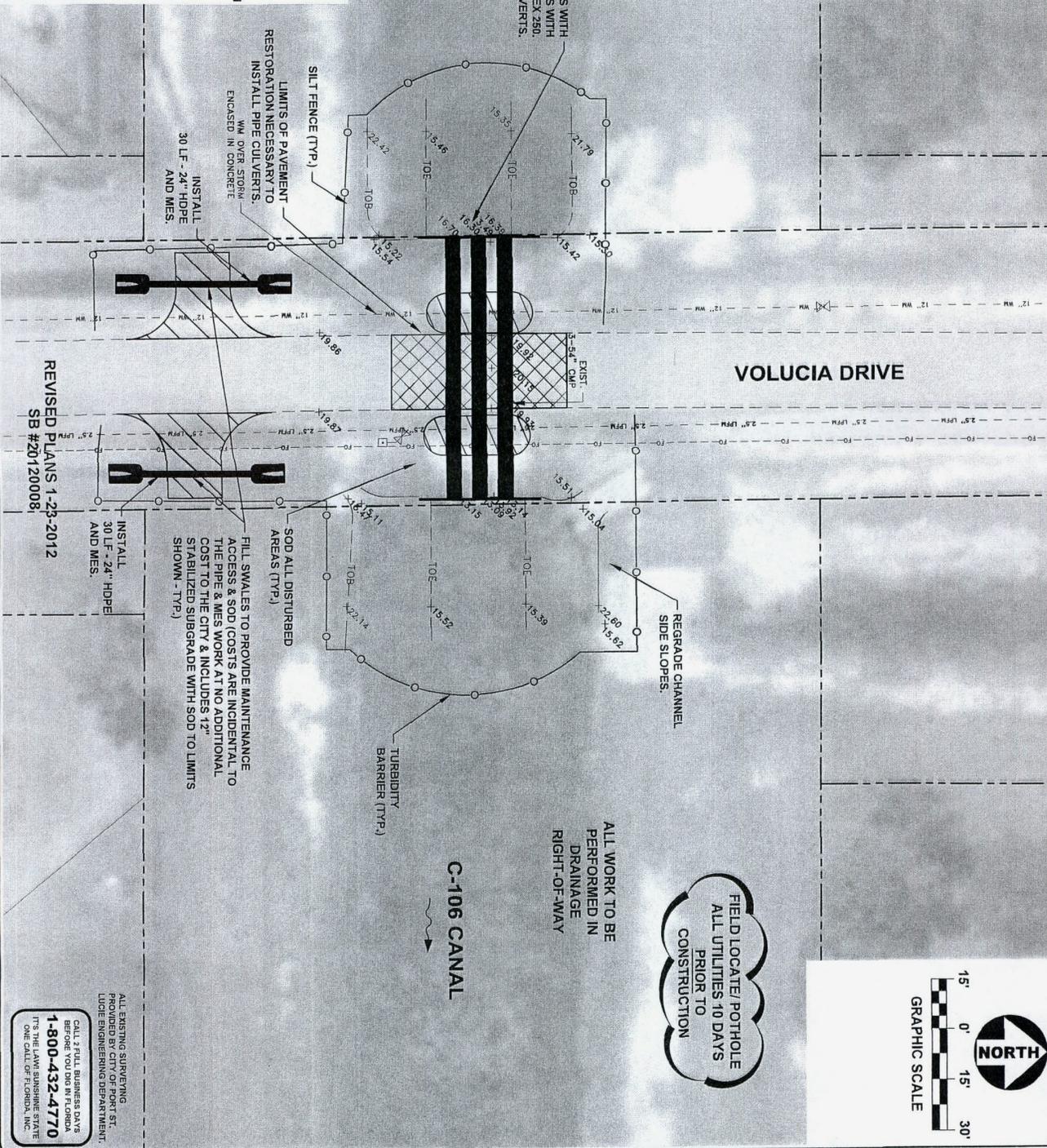
CALLS, FIELD, BUSINESS DATA, ETC. TO THE ENGINEER BEFORE YOU BEGIN CONSTRUCTION. THE ENGINEER'S OFFICE IS AT 301 NW FLAGLER AVE., SUITE 201, ST. LUCIE, FLORIDA 34954. PHONE: (772) 692-4344. FAX: (772) 692-4341.

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LEGEND

- 5 LOT NUMBER
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REVISED PLANS 1-23-2012
SB #20120008

FIELD LOCATE/POTHOLE ALL UTILITIES 10 DAYS PRIOR TO CONSTRUCTION



ALL WORK TO BE PERFORMED IN DRAINAGE RIGHT-OF-WAY

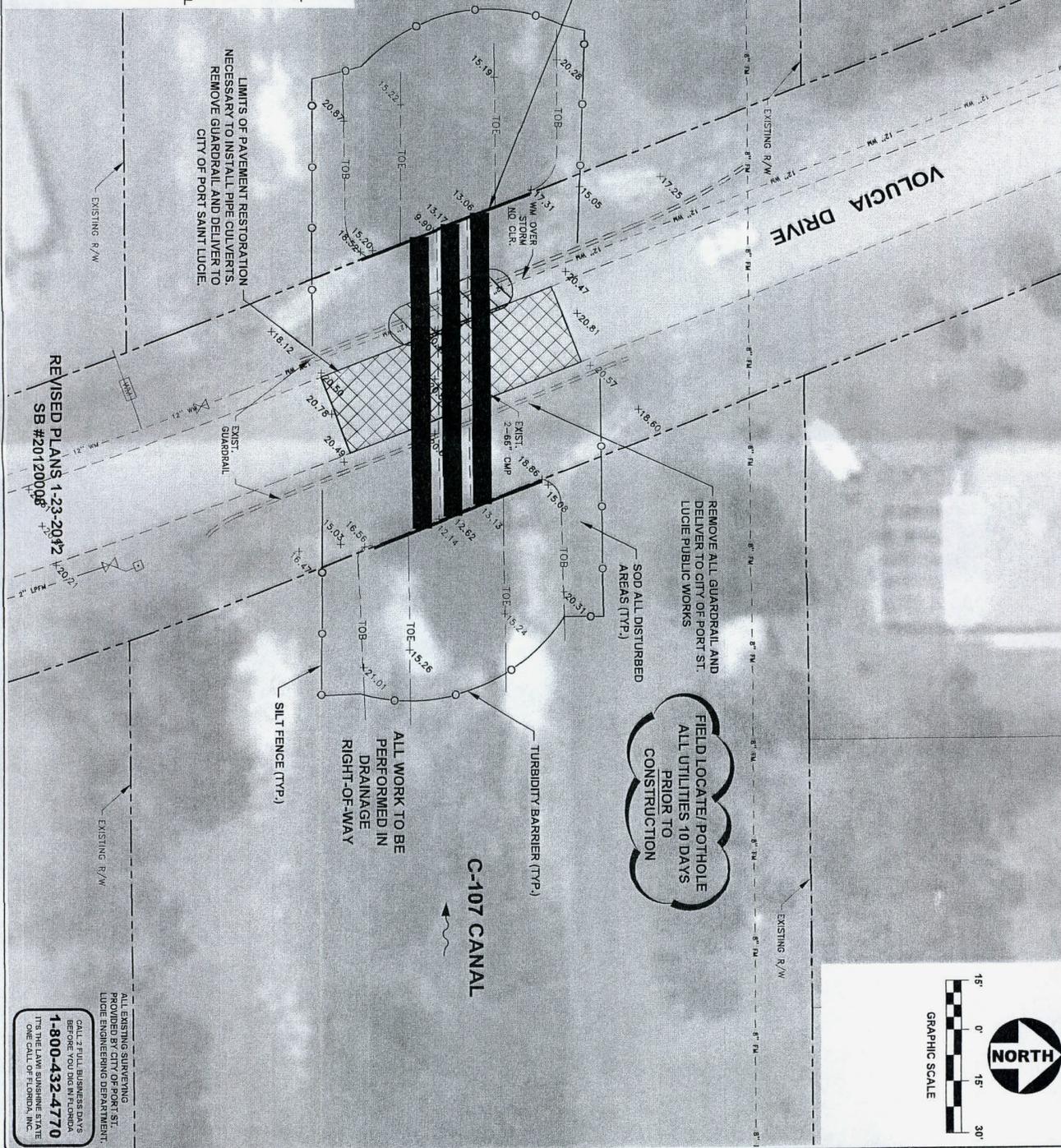
ALL EXISTING SURVEYING PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT.
CALL 3 FULL BUSINESS DAYS BEFORE YOU DIG IN FLORIDA
1-800-432-4770
FOR THE FLORIDA SURVEYING STATE ONE-CALL OF FLORIDA, INC.

<p>Drawn & Modified 301 NW Flager Ave. Borland, Florida 34904 Phone: (772) 692-4344 Fax: (772) 692-4341</p>	<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-106 CANAL 6-09 PIPE IMPROVEMENTS</p>	<p>SCALE VERIFICATION</p> <p>0 1 SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APPROVED FOR CONSTRUCTION</th> <th>REVISIONS</th> </tr> <tr> <td>1</td> <td>9/18/12</td> <td>SPM</td> <td></td> <td></td> </tr> </table>	NO.	DATE	BY	APPROVED FOR CONSTRUCTION	REVISIONS	1	9/18/12	SPM			<p>DATE: 8/25/12 DRAWN BY: DAS DESIGNED BY: RLK CHECKED BY: SPM PROJECT NO.: 779.5.1 HORZ. SCALE: AS SHOWN VERT. SCALE: N/A CADD FILE: PLAN</p>	<p>Civil Engineering Professionals</p>
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REVISED PLANS 1-23-2012
SB #20120008

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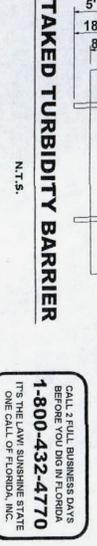
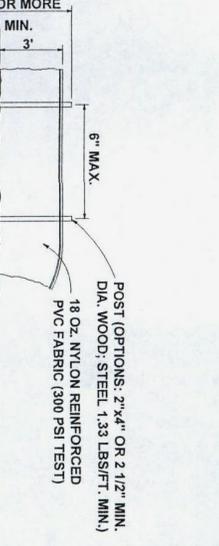
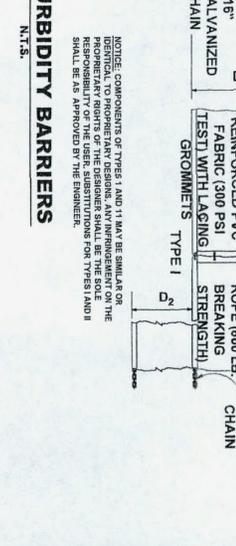
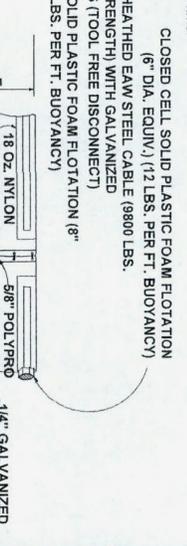
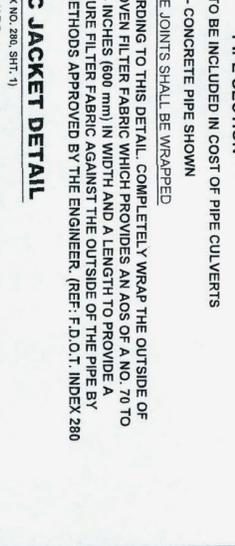
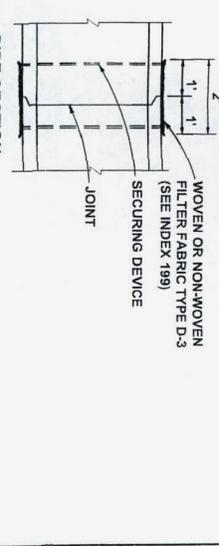
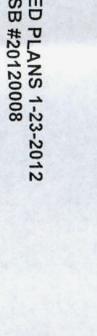
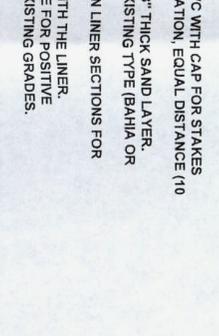
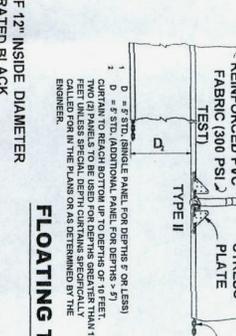
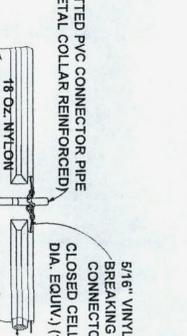
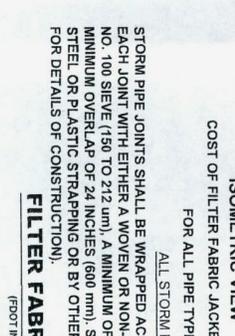
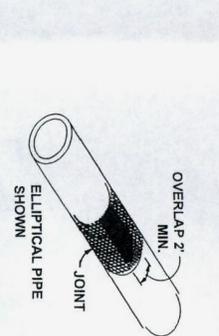
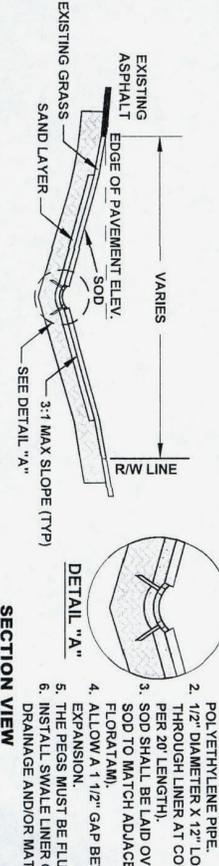
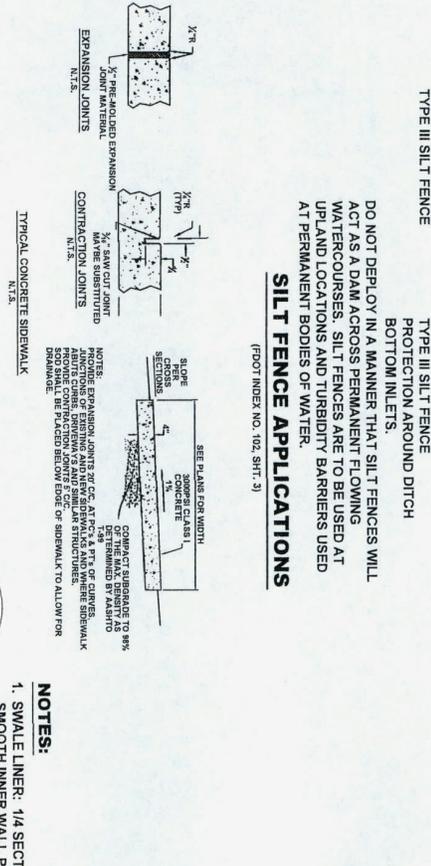
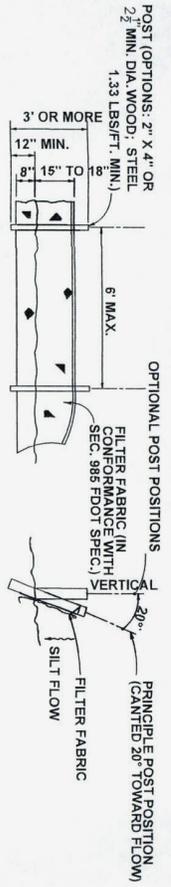
CALL 2-FULL BUSINESS DAYS BEFORE 5:00 PM (EST) TO REQUEST A COPY OF THESE PLANS.
1-800-432-4770
THE LAW SUNSHINE STATE ONE CALL OF FLORIDA, INC.



<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p style="text-align: center;">C-107 CANAL 7-06 PIPE IMPROVEMENTS</p>	<p>SCALE VERIFICATION</p> <p>SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APPROVED FOR CONSTRUCTION</th> <th>REVISIONS</th> </tr> <tr> <td>1</td> <td>01/20/12</td> <td>SPM</td> <td>APPROVED FOR CONSTRUCTION</td> <td></td> </tr> </table>	NO.	DATE	BY	APPROVED FOR CONSTRUCTION	REVISIONS	1	01/20/12	SPM	APPROVED FOR CONSTRUCTION		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DATE:</td> <td>07/25/11</td> </tr> <tr> <td>DRAWN BY:</td> <td>DAS</td> </tr> <tr> <td>DESIGNED BY:</td> <td>MLT</td> </tr> <tr> <td>CHECKED BY:</td> <td>SPM</td> </tr> <tr> <td>PROJECT NO.:</td> <td>773.1.1</td> </tr> <tr> <td>HORIZ. SCALE:</td> <td>AS SHOWN</td> </tr> <tr> <td>VERT. SCALE:</td> <td>N/A</td> </tr> <tr> <td>CADD FILE:</td> <td>PLAN</td> </tr> </table>	DATE:	07/25/11	DRAWN BY:	DAS	DESIGNED BY:	MLT	CHECKED BY:	SPM	PROJECT NO.:	773.1.1	HORIZ. SCALE:	AS SHOWN	VERT. SCALE:	N/A	CADD FILE:	PLAN
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301 NW Flagler Ave, Ste. 201
Stuart, Florida 34994
Phone: (772) 692-4344
Fax: (772) 692-4341

Engineering Business No. 018-000787



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 IT'S THE LAW, SUBURBAN STATE ONE CALL OF FLORIDA, INC.
 N.T.S.

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA
 DRAINAGE DETAILS
 SCALE VERIFICATION
 1" = 10'-0"
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 DATE: 07/26/11
 DRAWN BY: DAS
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 PROJECT NO.: 773.1.1
 HORIZ. SCALE: NA
 VERT. SCALE: NA
 CADD FILE: DETAILS
 301 NW Flagler Ave, Ste. 201
 Stuart, Florida 34994
 Phone: (772) 892-3344
 Fax: (772) 892-4341
 CAPTEC
 Civil Engineering Professionals
 Engineering Business No. 036007607

APPROVED FOR CONSTRUCTION
 DATE: 01/23/12
 BY: SPH
 REVISIONS

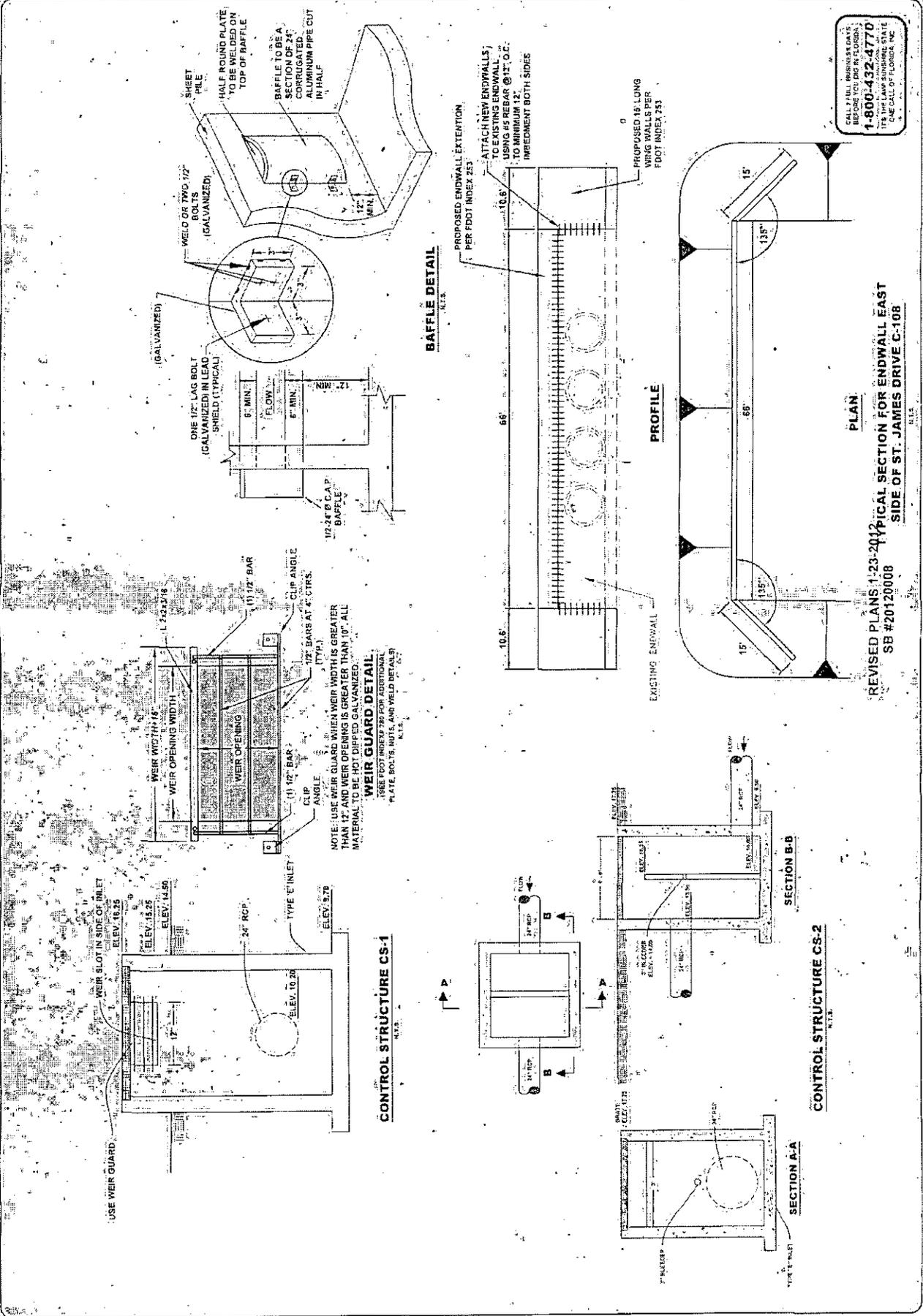
CAPTIC
Civil Engineering Professionals
11111 North Florida Avenue
Suite 100
Tampa, Florida 33613
Phone: (813) 973-1111
Fax: (813) 973-1112
www.captic.com

NO.	DATE	BY	REVISIONS
1	08/14/12	JL	ISSUED FOR PERMITS
2	08/14/12	JL	REVISED PER COMMENTS
3	08/14/12	JL	REVISED PER COMMENTS
4	08/14/12	JL	REVISED PER COMMENTS
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10	08/14/12	JL	REVISED PER COMMENTS

SCALE:
AS SHOWN
VERIFICATION
SCALE BAR IS TO BE USED TO VERIFY ALL DIMENSIONS
TO 0.001 INCH
FOR ALL DIMENSIONS
UNLESS OTHERWISE SPECIFIED

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA
DRAINAGE DETAILS

PROJECT NO. 11-23-2012
SHEET NO. 25 OF 25
DATE: 08/14/12



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 CIVIL ENGINEERING PROFESSIONALS
 301 N. W. 10th Ave., Suite 100
 Ft. Lauderdale, FL 33304
 Phone: (954) 575-1111
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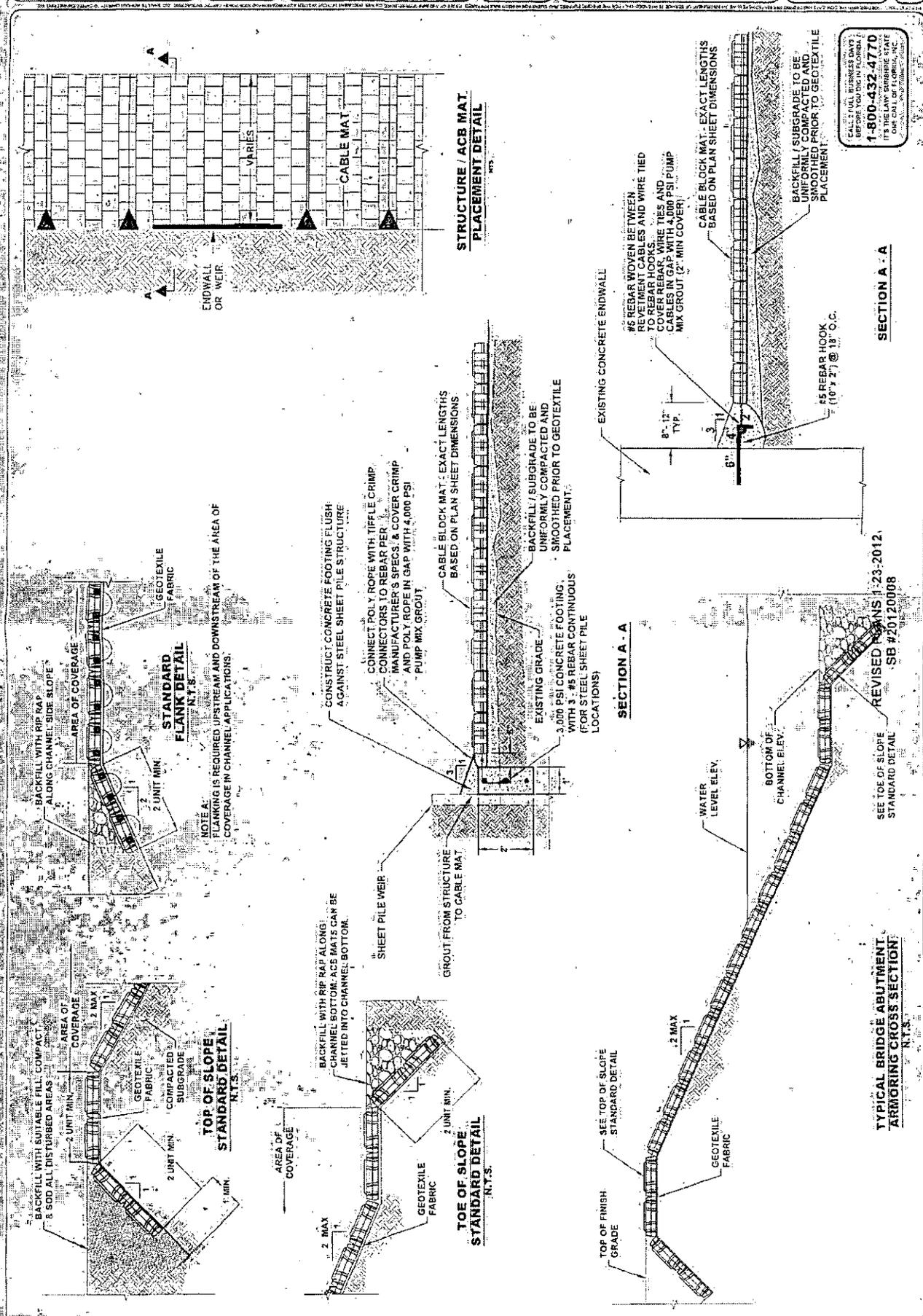
PROJECT NO.	12/23/2012
DATE	12/23/2012
SCALE	AS SHOWN
DESIGNED BY	...
CHECKED BY	...
APPROVED BY	...

NO.	DATE	DESCRIPTION
1	12/23/2012	ISSUED FOR PERMIT
2	12/23/2012	REVISED PER COMMENTS
3	12/23/2012	REVISED PER COMMENTS
4	12/23/2012	REVISED PER COMMENTS

SCALE: AS SHOWN
 CITY OF PORT SAINT LUCIE, FLORIDA
 ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
 ARTICULATED CONCRETE BLOCK MAT DETAILS

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
 CITY OF PORT SAINT LUCIE, FLORIDA
 ARTICULATED CONCRETE BLOCK MAT DETAILS

PROJECT NO. 12/23/2012
 DATE 12/23/2012
 SCALE AS SHOWN
 DESIGNED BY
 CHECKED BY
 APPROVED BY



CALL FULL BUSINESS DAYS BEFORE YOU DIG IN FLORIDA
1-800-432-4770
 IT'S THE LAW. SUBSCRIBE STATE ONE CALL FOR FLORIDA, INC.

SECTION A - A

REVISIONS 1-23-2012
 SB #20120008

TYPICAL BRIDGE ABUTMENT ARMORING CROSS SECTION
 N.T.S.

SEE TOE OF SLOPE STANDARD DETAIL

NO. DATE BY APPROVED FOR CONTRACTOR

REVISIONS

DATE: 08/20/12
BY: [Signature]
APPROVED FOR CONTRACTOR: [Signature]

FOR THE ENGINEER: [Signature]
DATE: 08/20/12

FOR THE CONTRACTOR: [Signature]
DATE: 08/20/12

FOR THE LOCAL AUTHORITY: [Signature]
DATE: 08/20/12

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS

GENERAL NOTES

LOCAL PUBLIC WORKS DEPARTMENT CONSTRUCTION FIELD OBSERVATIONS

MATERIALS FOR ANTI-CORROSION CONCRETE BLOCK MATS

REVISIONS

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Fact Sheet #66: The Davis-Bacon and Related Acts (DBRA)

This fact sheet provides general information concerning DBRA.

Coverage

DBRA requires payment of prevailing wages on federally funded or assisted construction projects. The Davis-Bacon Act applies to each federal government or District of Columbia contract in excess of \$2,000 for the construction, alteration, or repair (including painting and decorating) of public buildings or public works. Many federal laws that authorize federal assistance for construction through grants, loans, loan guarantees, and insurance are Davis-Bacon "related Acts." The "related Acts" include provisions that require Davis-Bacon labor standards apply to most federally assisted construction. Examples of "related Acts" include the Federal-Aid Highway Acts, the Housing and Community Development Act of 1974, and the Federal Water Pollution Control Act.

Basic Provisions/Requirements

Contractors and subcontractors must pay laborers and mechanics employed directly upon the site of the work at least the locally prevailing wages (including fringe benefits), listed in the Davis-Bacon wage determination in the contract, for the work performed. Davis-Bacon labor standards clauses must be included in covered contracts.

The Davis-Bacon "prevailing wage" is the combination of the basic hourly rate and any fringe benefits listed in a Davis-Bacon wage determination. The contractor's obligation to pay at least the prevailing wage listed in the contract wage determination can be met by paying each laborer and mechanic the applicable prevailing wage entirely as cash wages or by a combination of cash wages and employer-provided bona fide fringe benefits. Prevailing wages, including fringe benefits, must be paid on all hours worked on the site of the work.

Apprentices or trainees may be employed at less than the rates listed in the contract wage determination only when they are in an apprenticeship program registered with the Department of Labor or with a state apprenticeship agency recognized by the Department.

Contractors and subcontractors are required to pay covered workers weekly and submit weekly certified payroll records to the contracting agency. They are also required to post the applicable Davis-Bacon wage determination with the Davis-Bacon poster (WH-1321) on the job site in a prominent and accessible place where they can be easily seen by the workers.

Davis-Bacon Wage Determinations

Davis-Bacon wage determinations are published on the Wage Determinations On Line (WDOL) website for contracting agencies to incorporate them into covered contracts. The "prevailing wages" are determined based on wages paid to various classes of laborers and mechanics employed on specific types of construction projects in an area. Guidance on determining the type of construction is provided in All Agency Memoranda Nos. 130 and 131.

Penalties/Sanctions and Appeals

ATTACHMENT C
SB:#20120008

Contract payments may be withheld in sufficient amounts to satisfy liabilities for underpayment of wages and for liquidated damages for overtime violations under the Contract Work Hours and Safety Standards Act (CWHSSA). In addition, violations of the Davis-Bacon contract clauses may be grounds for contract termination, contractor liability for any resulting costs to the government and debarment from future contracts for a period up to three years.

Contractors and subcontractors may challenge determinations of violations and debarment before an Administrative Law Judge (ALJ). Interested parties may appeal ALJ decisions to the Department's Administrative Review Board. Final Board determinations on violations and debarment may be appealed to and are enforceable through the federal courts.

Typical Problems

(1) Misclassification of laborers and mechanics. (2) Failure to pay full prevailing wage, including fringe benefits, for all hours worked (including overtime hours). (3) Inadequate recordkeeping, such as not counting all hours worked or not recording hours worked by an individual in two or more classifications during a day. (4) Failure of to maintain a copy of bona fide apprenticeship program and individual registration documents for apprentices. (5) Failure to submit certified payrolls weekly. (6) Failure to post the Davis-Bacon poster and applicable wage determination.

Relation to State, Local, and Other Federal Laws

The Copeland "Anti-Kickback" Act prohibits contractors from in any way inducing an employee to give up any part of the compensation to which he or she is entitled under his or her contract of employment, and requires contractors to submit a weekly statement of the wages paid to each employee performing DBRA covered work.

Contractors on projects subject to DBRA labor standards may also be subject to additional prevailing wage and overtime pay requirements under State (and local) laws. Also, overtime work pay requirements under CWHSSA) and the Fair Labor Standards Act may apply.

Under Reorganization Plan No. 14 of 1950, (5 U.S.C.A. Appendix), the federal contracting or assistance-administering agencies have day-to-day responsibility for administration and enforcement of the Davis-Bacon labor standards provisions and, in order to promote consistent and effective enforcement, the Department of Labor has regulatory and oversight authority, including the authority to investigate compliance.

Where to Obtain Additional Information

For additional information, visit our Wage and Hour Division Website: <http://www.wagehour.dol.gov> and/or call our toll-free information and helpline, available 8 a.m. to 5 p.m. in your time zone, 1-866-4USWAGE (1-866-487-9243).

This publication is for general information and is not to be considered in the same light as official statements of position contained in the regulations.

U.S. Department of Labor
Frances Perkins Building
200 Constitution Avenue, NW
Washington, DC 20210

1-866-4-USWAGE
TTY: 1-866-487-9243
Contact Us



ATTACHMENT D SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 SB 20120008
 ENVIRONMENTAL RESOURCE
 STANDARD GENERAL PERMIT NO. 56-00466-S
 DATE ISSUED: November 19, 2010

Form #0941
 08/95

RECEIVED BY THE DISTRICT

PERMITTEE: CITY OF PORT ST. LUCIE
 121 SW PORT ST. LUCIE BLVD
 PORT ST LUCIE, FL 34984

PROJECT DESCRIPTION: Construction and operation of approximately six acres of modifications to a surface water management system serving an 8,377 acre study area known as the City of Port St. Lucie North Basin Improvements.

PROJECT LOCATION: ST LUCIE COUNTY, TWP 38S RGE 40E

PERMIT DURATION: See Special Condition No.1. See attached Rule 40E-4.321, Florida Administrative Code.

This is to notify you of the District's agency action concerning Notice of Intent for Permit Application No. 100826-33, dated August 26, 2010. This action is taken pursuant to Rule 40E-1.603 and Chapter 40E-40, Florida Administrative Code (F.A.C.).

Based on the information provided, District rules have been adhered to and an Environmental Resource General Permit is in effect for this project subject to:

1. Not receiving a filed request for a Chapter 120, Florida Statutes, administrative hearing.
2. the attached 19 General Conditions (See Pages : 2 - 4 of 7) and
3. the attached 16 Special Conditions (See Pages: 5 - 7 of 7)

Should you object to these conditions, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the "Notice of Rights," we will assume that you concur with the District's action.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a "Notice of Rights" has been mailed to the Permittee (and the persons listed in the attached distribution list) no later than 5:00 p.m. on this 19th day of November, 2010, in accordance with Section 120.60(3), Florida Statutes.

BY: Donald R. Loving
 Donald R. Loving
 Director, Okeechobee/MSL Regulatory Division
 Martin / St Lucie Service Center

Certified mail number 7005 0390 0005 9818 6395

ATTACHMENT D
SB 20120008

GENERAL CONDITIONS

1. All activities authorized by this permit shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit and Part IV, Chapter 373, F.S.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which does not cause violations of State water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violation of State water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. All practices shall be in accordance with the guidelines and specifications described in Chapter 6 of the Florida Land Development Manual; A Guide to Sound Land and Water Management (Department of Environmental Regulation, 1988), incorporated by reference in Rule 40E-4.091, F.A.C. unless a project-specific erosion and sediment control plan is approved as part of the permit. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
4. The permittee shall notify the District of the anticipated construction start date within 30 days of the date that this permit is issued. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District an Environmental Resource Permit Construction Commencement Notice Form Number 0960 indicating the actual start date and the expected construction completion date.
5. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an annual status report form. Status report forms shall be submitted the following June of each year.
6. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a professional engineer or other individual authorized by law, utilizing the supplied Environmental Resource/Surface Water Management Permit Construction Completion/Certification Form Number 0881A, or Environmental Resource/Surface Water Management Permit Construction Completion Certification - For Projects Permitted prior to October 3, 1995 Form No. 0881B, incorporated by reference in Rule 40E-1.659, F.A.C. The statement of completion and certification shall be based on onsite observation of construction or review of as-built drawings for the purpose of determining if the work was completed in compliance with permitted plans and specifications. This submittal shall serve to notify the District that the system is ready for inspection. Additionally, if deviation from the approved drawings are discovered during the certification process, the certification must be accompanied by a copy of the approved permit drawings with deviations noted. Both the original and revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. All surveyed dimensions and elevations shall be certified by a registered surveyor.
7. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of condition (6) above, and submitted a request for conversion of Environmental Resource Permit from Construction Phase to Operation Phase, Form No. 0920; the District determines the system to be in compliance with the permitted plans and specifications; and the entity approved by the District in accordance with Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit

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GENERAL CONDITIONS

Applications within the South Florida Water Management District, accepts responsibility for operation and maintenance of the system. The permit shall not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall initiate transfer of the permit to the approved responsible operating entity if different from the permittee. Until the permit is transferred pursuant to Section 40E-1.6107, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

- 8. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of the phase or portion of the system to a local government or other responsible entity.
- 9. For those systems that will be operated or maintained by an entity that will require an easement or deed restriction in order to enable that entity to operate or maintain the system in conformance with this permit, such easement or deed restriction must be recorded in the public records and submitted to the District along with any other final operation and maintenance documents required by Sections 9.0 and 10.0 of the Basis of Review for Environmental Resource Permit applications within the South Florida Water Management District, prior to lot or units sales or prior to the completion of the system, whichever comes first. Other documents concerning the establishment and authority of the operating entity must be filed with the Secretary of State, county or municipal entities. Final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local government entity. Failure to submit the appropriate final documents will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system and any other permit conditions.
- 10. Should any other regulatory agency require changes to the permitted system, the permittee shall notify the District in writing of the changes prior to implementation so that a determination can be made whether a permit modification is required.
- 11. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40E-4 or Chapter 40E-40, F.A.C..
- 12. The permittee is hereby advised that Section 253.77, F.S. states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the State, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
- 13. The permittee must obtain a Water Use permit prior to construction dewatering, unless the work qualifies for a general permit pursuant to Subsection 40E-20.302(3), F.A.C., also known as the "No Notice" Rule.
- 14. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the permit.
- 15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit

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GENERAL CONDITIONS

application, including plans or other supporting documentation, shall not be considered binding, unless a specific condition of this permit or a formal determination under Section 373.421(2), F.S., provides otherwise.

16. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of a permitted system or the real property on which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rules 40E-1.6105 and 40E-1.6107, F.A.C.. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any violations prior to the sale, conveyance or other transfer of the system.
17. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.
18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the appropriate District service center.
19. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIAL CONDITIONS

1. The construction phase of this permit shall expire on November 19, 2015.
2. Operation of the surface water management system shall be the responsibility of the permittee.
3. Discharge Facilities: Alsace St Tract D Detention Pond:

CS-1:
Type "E" Drop inlet with grate Elev. 16.25 NGVD
1- 12 " weir at Elev. 15.25 NGVD

CS-2:
Type "E" Drop Inlet with grate Elev. 17.75 NGVD
1- 36" weir at Elev. 15.25 NGVD
1- 3" Orifice at Elev. 14.0 NGVD
4. The permittee shall be responsible for the correction of any erosion, shoaling or water quality problems that result from the construction or operation of the surface water management system.
5. Measures shall be taken during construction to insure that sedimentation and/or turbidity violations do not occur in the receiving water.
6. The District reserves the right to require that additional water quality treatment methods be incorporated into the drainage system if such measures are shown to be necessary.
7. Facilities other than those stated herein shall not be constructed without an approved modification of this permit.
8. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.
9. The permittee shall provide routine maintenance of all of the components of the surface water management system in order to remove all trapped sediments/debris. All materials shall be properly disposed of as required by law. Failure to properly maintain the system may result in adverse flooding conditions.
10. This permit is issued based on the applicant's submitted information which reasonably demonstrates that adverse water resource related impacts will not be caused by the completed permit activity. Should any adverse impacts caused by the completed surface water management system occur, the District will require the permittee to provide appropriate mitigation to the District or other impacted party. The District will require the permittee to modify the surface water management system, if necessary, to eliminate the cause of the adverse impacts.
11. The permittee acknowledges that, pursuant to Rule 40E-4.101(2), F.A.C., a notice of Environmental Resource or Surface Water Management Permit may be recorded in the county public records. Pursuant to the specific language of the rule, this notice shall not be considered an encumbrance upon the property.
12. If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written

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ATTACHMENT D
SB 20120008

SPECIAL CONDITIONS

the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

13. The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injuries to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.

d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation; or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.

e. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-232-2580) for north Florida or Vero Beach (1-772-562-3909) for south Florida.

f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads Caution: Manatee Area must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities.

14. Manatee exclusion grates shall be placed across the openings of existing or proposed culverts or pipes that are greater than eight inches but smaller than eight feet in diameter in accordance with Exhibit No. 2.0. The installation of grates applies to any submerged or partially submerged pipes and culverts accessible to manatees during any tidal phase. Permittee shall keep all grates free and clear of debris.

Prior to the installation of the grating and for three days afterward the existing culverts and area downstream of the weir shall be monitored for the presence of manatees to avoid manatee entrapment.

15. The exhibits and special conditions in this permit apply only to this application. They do not supersede or delete any requirements for other applications covered in Permit No. 56-00466-S unless otherwise specified herein.

SPECIAL CONDITIONS

16. Prior to the commencement of construction, the permittee shall conduct a pre-construction meeting with field representatives, contractors and District staff. The purpose of the meeting will be to discuss construction methods and sequencing, including type and location of turbidity and erosion controls to be implemented during construction, mobilization and staging of contractor equipment, phasing of construction, methods of vegetation clearing, construction dewatering if required, ownership documentation for eminent domain authority, coordination with other entities on adjacent construction projects, wetland/buffer protection methods, endangered species protection with the permittee and contractors. The permittee shall contact District Environmental Resource Compliance staff from the Martin St Lucie Service Center at (772) 223-2600 to schedule the pre-construction meeting.

NOTICE OF RIGHTS

As required by Sections 120.569(1), and 120.60(3), Fla. Stat., following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the South Florida Water Management District's (SFWMD or District) action has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on a District decision which does or may determine their substantial interests shall file a petition for hearing with the District Clerk within 21 days of receipt of written notice of the decision, unless one of the following shorter time periods apply: 1) within 14 days of the notice of consolidated intent to grant or deny concurrently reviewed applications for environmental resource permits and use of sovereign submerged lands pursuant to Section 373.427, Fla. Stat.; or 2) within 14 days of service of an Administrative Order pursuant to Subsection 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of either written notice through mail, or electronic mail, or posting that the District has or intends to take final agency action, or publication of notice that the District has or intends to take final agency action. Any person who receives written notice of a SFWMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

Filing Instructions

The Petition must be filed with the Office of the District Clerk of the SFWMD. Filings with the District Clerk may be made by mail, hand-delivery or facsimile. **Filings by e-mail will not be accepted.** Any person wishing to receive a clerked copy with the date and time stamped must provide an additional copy. A petition for administrative hearing is deemed filed upon receipt during normal business hours by the District Clerk at SFWMD headquarters in West Palm Beach, Florida. Any document received by the office of the SFWMD Clerk after 5:00 p.m. shall be filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Office of the SFWMD Clerk, P.O. Box 24680, West Palm Beach, Florida 33416.
- Filings by hand-delivery must be delivered to the Office of the SFWMD Clerk. **Delivery of a petition to the SFWMD's security desk does not constitute filing. To ensure proper filing, it will be necessary to request the SFWMD's security officer to contact the Clerk's office.** An employee of the SFWMD's Clerk's office will receive and file the petition.
- Filings by facsimile must be transmitted to the SFWMD Clerk's Office at (561) 682-6010. Pursuant to Subsections 28-106.104(7), (8) and (9), Fla. Admin. Code, a party who files a document by facsimile represents that the original physically signed document will be retained by that party for the duration of that proceeding and of any subsequent appeal or subsequent proceeding in that cause. Any party who elects to file any document by facsimile shall be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed with the clerk as a result. The filing date for a document filed by facsimile shall be the date the SFWMD Clerk receives the complete document.

Initiation of an Administrative Hearing

Pursuant to Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the SFWMD in legible form and on 8 and 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, District file number or any other SFWMD identification number, if known.
2. The name, address and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the SFWMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the SFWMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the SFWMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the SFWMD to take with respect to the SFWMD's proposed action.

A person may file a request for an extension of time for filing a petition. The SFWMD may, for good cause, grant the request. Requests for extension of time must be filed with the SFWMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the SFWMD and any other parties agree to or oppose the extension. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

If the District takes action with substantially different impacts on water resources from the notice of intended agency decision, the persons who may be substantially affected shall have an additional point of entry pursuant to Rule 28-106.111, Fla. Admin. Code, unless otherwise provided by law.

Mediation

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401-405, Fla. Admin. Code. The SFWMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Sections 120.60(3) and 120.68, Fla. Stat., a party who is adversely affected by final SFWMD action may seek judicial review of the SFWMD's final decision by filing a notice of appeal pursuant to Florida Rule of Appellate Procedure 9.110 in the Fourth District Court of Appeal or in the appellate district where a party resides and filing a second copy of the notice with the SFWMD Clerk within 30 days of rendering of the final SFWMD action.

SURFACE WATER MANAGEMENT

CHAPTER 40E-4 (4/94)

40E-4.321 Duration of Permits

(1) Unless revoked or otherwise modified pursuant to Rules 40E-4.331 and 40E-4.441, F.A.C., the duration of a surface water management permit issued under this chapter is as follows:

(a) Two years from the date of issuance for Conceptual Approval, unless within that period an application for a construction and operation permit is filed for any portion of the project. If an application for a construction and operation permit is filed, then the Conceptual Approval remains valid until final action is taken on the application. If the application is granted, then the Conceptual Approval is valid for an additional two years from the date of issuance of the construction and operation permit. Conceptual Approvals which have no applications for construction and operation filed for a period of two years will expire automatically.

(b) Five years from the date of issuance for a construction permit.

(c) Perpetual for an operation permit.

(2) The Governing Board shall issue permit extensions provided that a permittee files a written request with the District showing good cause. For the purpose of this rule, good cause shall mean a set of extenuating circumstances outside of the control of the permittee. Requests for extensions, which shall include documentation of the extenuating circumstances and how they have delayed this project, will not be accepted more than 180 days prior to the expiration date.

(3) For a Conceptual Approval filed concurrently with a development of regional impact (DRI) application for development approval (ADA) and a local government comprehensive amendment, the duration of the Conceptual Approval shall be two years from whichever one of the following occurs at the latest date:

(a) the effective date of the local government's comprehensive plan amendment,

(b) the effective date of the local government development order, or

(c) the date on which the district issues the Conceptual Approval, or

(d) the latest date of the resolution of any Chapter 120 or other legal appeals.

(4) Substantial modifications to Conceptual Approvals will extend the duration of the Conceptual Approval for two years from the date of issuance of the modification. For the purposes of this section, the term "substantial modification" shall mean a modification which is reasonably expected to lead to substantially different water resource or environmental impacts which require a detailed review.

(5) Modifications to construction permits issued pursuant to a formal permit application extend the duration of the permit for three years from the date of issuance of the modification. Construction permit modifications do not extend the duration of a Conceptual Approval.

(6) Permit modifications issued pursuant to subsection 40E-4.331(2)(b), F.A.C. (letter modifications) do not extend the duration of a permit.

Specific authority 373.044, 373.113 F.S. Law Implemented 373.413, 373.416(1) F.S. History—New 9-3-81, Amended 1-31-82, 12-1-82, Formerly 16K-4.07(4), Amended 7-1-86, 4/20/94.

ATTACHMENT D
SB 20120008

Last Date For Agency Action: November 30, 2010

GENERAL ENVIRONMENTAL RESOURCE PERMIT STAFF REPORT

Project Name: Port St. Lucie North Basin Improvements

Permit No.: 56-00466-S

Application No.: 100826-33

Application Type: Environmental Resource (General Permit Modification)

Location: St Lucie County, T38S/R40E

Permittee : City Of Port St. Lucie

Operating Entity : City Of Port St Lucie

Project Area: 6.00 acres

Project Land Use: Residential
Commercial

Drainage Basin: NORTH ST LUCIE

Receiving Body: City of Port St Lucie Canal System

Class: CLASS III

Special Drainage District: NA

Conservation Easement To District: No

Sovereign Submerged Lands: No

PROJECT PURPOSE:

Construction and operation modifications totaling approximately 6 acres to a surface water management system serving an existing 8,377-acre basin of mixed use development known as City of Port St Lucie North Basin Improvements. The basin was also evaluated using updated sub-basin criteria and the current design storm. Approval is granted with conditions.

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SB 20120008

PROJECT EVALUATION
PROJECT SITE DESCRIPTION
PROJECT BACKGROUND
PROPOSED PROJECT

PROJECT EVALUATION:

PROJECT SITE DESCRIPTION:

The project is a series of small construction projects located in the northern portion of the City of Port St Lucie. The north basin watershed includes portions of the City of Port St. Lucie lying west of St. James Drive, south of Midway Road, north of St. Lucie West, and east of I-95. Please see the Location Map Exhibit 1.0 for a vicinity map, and Exhibit 2.0 page 2 of 24 for the specific project locations. The watershed typically drains west to east through five City of Port St. Lucie canals (C-104, C-105, C-106, C-107, and C-108) which ultimately discharge to the North Fork of the St. Lucie River

The study area includes a mix of land uses including residential and commercial developments, roadways, parks, and stormwater management facilities.

There are wetlands and other surface waters located within the proposed project study area. However, they will not be impacted by the proposed project activities.

PROJECT BACKGROUND:

On September 10, 1981 the District issued a conceptual surface water management permit (App No. 12220-A, Permit No. 56-00466-S) for a development of regional impact (DRI) in St. Lucie County known as the Sharrett DRI. The Sharrett DRI project original proposed a 6,280 acre development with an offsite contributing watershed of another 1,780 acres. The Sharrett project was bound by Midway Road to the north, the St Lucie River to the east, the C-108 canal to the south and the Glades Cutoff Road (FEC Railroad) to the west. The major canals and some residential and commercial development were existing in the watershed prior to rule development by the District and were incorporated into the permitted system. The original design storms were 10 year 5 day for roadway flood protection, 25 year 5 day for arterial road flood protection and peak flow attenuation, and 100 year 5 day zero discharge for minimum finished floor elevations.

The permit has been modified approximately 80 times to authorize phases of construction and system modifications over the last 29 years. The City of Port St. Lucie operates and maintains the primary water management system serving the Sharrett watershed.

PROPOSED PROJECT:

The proposed project consists of a series of small projects within the City of Port St Lucie north basin previously known as the Sharrett watershed. The total area of the proposed construction is approximately six acres. Included in the work shown on the plans is preventative maintenance activities such as sediment removal, canal bank armoring, and culvert upgrades from metal culverts (CMP) to concrete culverts (RCP). The project does not modify any of the existing system control structures.

The applicant's engineer has evaluated the Sharrett watershed including each sub-basin and canal system and modeled the system based on actual conditions. The ICPR model that was prepared included updated storage and runoff characteristics for each sub-basin. Several sub-basin boundaries were revised based on the existing conditions. Please see the basin map Exhibit 2.2 for sub-basin locations and descriptions. Most of the modified sub-basin areas are located west of Glades Cut off Road within the LTC Ranch property.

A new dry detention pond and water quality structure are proposed along the west side of Selvitz Road adjacent to the C-107 canal. The new detention pond will discharge to the C-107 Canal.

The following is a description of the proposed work within each of the five City of Port St. Lucie canals:

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SB 20120008

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C-104 Canal:

1. Upgrade the pipes with 2 - 19"x30" ERCP at the Rugby Drive and Nekoma Street outfall. Also regrade the ditch and upgrade the outfall pipe between Rugby Drive and the C-104 canal to 34" x 53" RCPE with mitered ends.
2. Upgrade the existing 5 - 60" CMP at East Torino Parkway to 5 - 60" RCP
3. Removal of nuisance and exotic vegetation and accumulated sediments to original line and grade to restore hydraulic capacity and efficiency downstream of the control structure at the Selvitz Road crossing.

C-105 Canal:

1. Upgrade the existing 3 - 54" CMP at West Torino Parkway and Blanton Boulevard to 3 - 54" RCP.

C-106 Canal:

1. Upgrade the existing 2 - 54" CMP at Canada Street to 2 - 54" RCP
2. Upgrade the existing 3 - 54" CMP at Volucia Drive to 3 - 54" RCP and install 2 -24" side drains to improve maintenance access and erosion control.

C-107 Canal:

1. At the Volucia Drive crossing add 1 - 66" RCP culvert to match the amended permit and upgrade the existing 2 - 66" CMP pipes to 2 - 66" RCP. The total of 3 - 66" RCP culverts will alleviate upstream flooding during the 25-year, 3-day storm event.
2. In the Abigail Avenue / Argus Street / Selvitz Road area; add culverts, a detention area, and a control structure in Tract D. The additional detention area will add storage and provide additional water quality treatment of 2.40 ac-ft.
3. Removal of accumulated sediments to original line and grade and construction of revetment to restore hydraulic capacity and efficiency downstream of the crossing at St. James Drive. Upgrade 2 - 18" side drains to improve erosion control.

C-108 Canal:

1. Removal of accumulated sediments to original line and grade and repair of existing revetment to restore hydraulic capacity and efficiency downstream of the crossing at North Macedo Boulevard.
2. Removal of nuisance and exotic vegetation and accumulated sediments to original line and grade to restore hydraulic capacity, storage, and efficiency downstream in the detention area near Brownwell Terrace (detention area 3).
3. Removal of nuisance and exotic vegetation and accumulated sediments to original line and grade to restore hydraulic capacity, storage, and efficiency downstream in the detention area off of Archer Avenue (detention area 2).
4. Removal of accumulated sediments to original line and grade and repair of existing revetment to restore hydraulic capacity and efficiency downstream of the control structure at the Jorgenson Road crossing.
5. Removal of nuisance and exotic vegetation and accumulated sediments to original line and grade to restore hydraulic capacity, storage, and efficiency downstream in the detention area off of Hartney Way (detention area 1).
6. Removal of nuisance and exotic vegetation and accumulated sediments to original line and grade to restore hydraulic capacity, and efficiency downstream in the section of C-108 Canal between Jorgensen Road and St. James Drive.
7. Removal of accumulated sediments to original line and grade and installation of revetment to restore hydraulic capacity and efficiency upstream of the control structure at the St. James Drive crossing. End wall wings need to be installed to the existing end walls on both sides of the crossing to improve erosion protection during periods of high surface water flows.

The results of these projects can be seen in the pre vs. post hydraulic profiles (Exhibit 2.1) for the design storm within each of the five city canals.

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WATER QUANTITY

Discharge Rate:

The original peak flow design storm for the Sharrett watershed was the 25 year 5 day storm. The updated model provided a pre vs. post comparison using the current peak flow design storm (the 25 year 3 day event). The analysis took a conservative approach and is predicting more runoff over a shorter time span and thus higher peak flows than the previous analysis indicated. The following represents the proposed 25 year 3 day storm peak flow rates:

C-104/105 - 672 cfs

C-106 - 440 cfs

C-107 - 708 cfs

C-108 - 1,639 cfs

WATER QUALITY

No adverse water quality impacts are anticipated as a result of the proposed project. There are no additional water quality requirements for the proposed activities. An additional detention pond near Selvitz Road and the C-107 Canal will provide an additional 2.4 ac-ft. of water quality treatment.

The applicant has provided reasonable assurance that water quality standards will not be violated during construction of the proposed work. Best Management Practices (BMPs) will be implemented and silt screens will be placed so as to contain turbidity during construction of the proposed project. All erosion and turbidity control measures shall remain in place until the completion of onsite construction. Please refer to Exhibit No. 2 and Special Conditions.

Wildlife Issues

No wetland-dependent endangered/threatened species or species of special concern were observed onsite; however, the proposed project is in the known range of the West Indian manatee (*Trichechus manatus*). To reduce risk of entrapment and drowning of manatees, grating shall be installed over pipes greater than 8", but smaller than 8ft in diameter in accordance with Exhibit 2 and Special Conditions. The standard manatee construction conditions will also be followed for all in-water construction (see Special Conditions). This permit does not relieve the applicant from complying with all applicable rules and any other agencies' requirements. If, in the future, endangered/threatened species or species of special concern are discovered on the site.

CERTIFICATION AND MAINTENANCE OF THE WATER MANAGEMENT SYSTEM

It is suggested that the permittee retain the services of a Professional Engineer registered in the State of Florida for periodic observation of construction of the surface water management (SWM) system. This will facilitate the completion of construction completion certification Form #0881 which is required pursuant to Section 10 of the Basis of Review for Environmental Resource Permit Applications within the South Florida Water Management District, and Rule 40E-4.361(2), Florida Administrative Code (F.A.C.).

Pursuant to Chapter 40E-4 F.A.C., this permit may not be converted from the construction phase to the operation phase until certification of the SWM system is submitted to and accepted by this District. Rule 40E-4.321(7) F.A.C. states that failure to complete construction of the SWM system and obtain operation phase approval from the District within the permit duration shall require a new permit authorization unless a permit extension is granted.

For SWM systems permitted with an operating entity who is different from the permittee, it should be noted that until the permit is transferred to the operating entity pursuant to Rule 40E-1.6107, F.A.C., the

ATTACHMENT D
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permittee is liable for compliance with the terms of this permit.

The permittee is advised that the efficiency of a SWM system will normally decrease over time unless the system is periodically maintained. A significant reduction in flow capacity can usually be attributed to partial blockages of the conveyance system. Once flow capacity is compromised, flooding of the project may result. Maintenance of the SWM system is required to protect the public health, safety and the natural resources of the state. Therefore, the permittee must have periodic inspections of the SWM system performed to ensure performance for flood protection and water quality purposes. If deficiencies are found, it is the responsibility of the permittee to correct these deficiencies in a timely manner.

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RELATED CONCERNS:

Water Use Permit Status:

The applicant has indicated that dewatering is not required for construction of this project.

This permit does not release the permittee from obtaining all necessary Water Use authorization(s) prior to the commencement of activities which will require such authorization, including construction dewatering and irrigation, unless the work qualifies for a No-Notice Short-Term Dewatering permit pursuant to Chapter 40E-20.302(3) or is exempt pursuant to Section 40E-2.051, FAC.

CERP:

The proposed project is not located within or adjacent to a Comprehensive Everglades Restoration Project component.

Potable Water Supplier:

Potable Water Facilities are not required by this project

Waste Water System/Supplier:

Wastewater Facilities are not required by this project

Right-Of-Way Permit Status:

A District Right-of-Way Permit is not required for this project.

DRI Status:

This project is not a DRI.

Historical/Archeological Resources:

No information has been received that indicates the presence of archaeological or historical resources or that the proposed activities could cause adverse impacts to archaeological or historical resources.

DCA/CZM Consistency Review:

The issuance of this permit constitutes a finding of consistency with the Florida Coastal Management Program.

Third Party Interest:

No third party has contacted the District with concerns about this application.

Enforcement:

There has been no enforcement activity associated with this application.

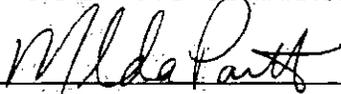
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ATTACHMENT D
SB 20120008

STAFF REVIEW:

DIVISION APPROVAL:

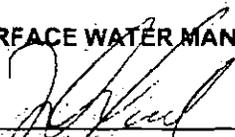
NATURAL RESOURCE MANAGEMENT:



Melinda Parrott

DATE: Nov 18, 2010

SURFACE WATER MANAGEMENT:

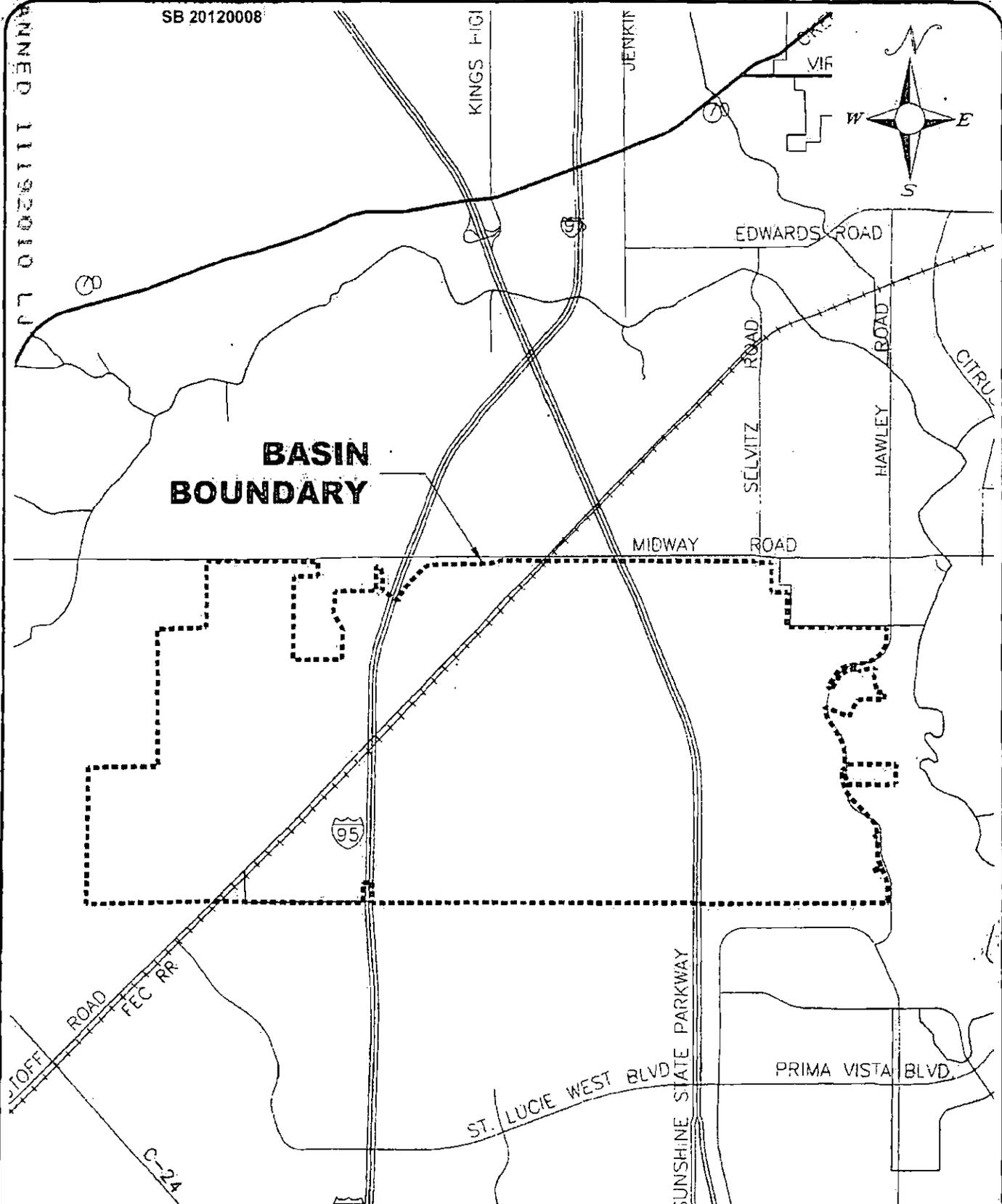


Hugo A. Carter, P.E.

DATE: 5 Nov 10

SCANNED 11/19/2010 11:11

ATTACHMENT D
SB 20120008



Joseph W. Capra
301 N.W. Flagler Ave
Stuart, Florida 34994
P.E. No. 37638
Phone: (772) 492-4344
Fax: (772) 692-4341

Engineering Business
No. EB-0007657

DATE: 07/21/2010
DRAWN BY: ESR
DESIGNED BY: MLT
CHECKED BY: JWC
PROJECT No: 77811
HORZ. SCALE: N/A
VERT. SCALE: N/A
CADD FILE: Location Map

**ST. LUCIE NORTH DRAINAGE
BASIN IMPROVEMENTS**
CITY OF PORT SAINT LUCIE, FLORIDA

LOCATION MAP

Page 18 of 51

SCALE
VERIFICATION

1" = 83'

SOLID BAR IS EQUAL TO
HALF AN INCH ON ORIGINAL
DRAWING. ADJUST ALL
SCALED DIMENSIONS
ACCORDINGLY

Sheet No. of

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS JOB NO. 779.1.1
 SB 201200008
 ATTACHMENT D

ATTACHMENT D

SB 201200008

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS JOB NO. 779.1.1

CONSTRUCTION PLANS
OF
ST. LUCIE NORTH DRAINAGE
BASIN IMPROVEMENTS
FOR
CITY OF PORT ST. LUCIE, FLORIDA
LYING IN
SEC. 6, 11-13, 17&18, TWP. 36S., RNG. 39&40 E.
ST. LUCIE COUNTY, FLORIDA

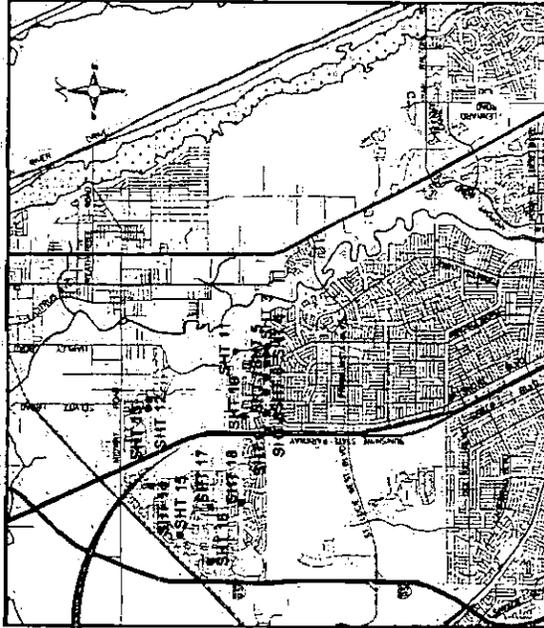


NOTE: THESE PLANS ARE IN ENGLISH UNITS.
 ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH THE STATE OF
 FLORIDA'S STANDARD DRAWING SPECIFICATIONS.
 DESIGN STANDARDS DATED 1996.
 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 DATED 1997.
 THE MANUAL OF UNIFORM REFERENCE STANDARDS FOR DESIGN,
 CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS
 (UNIFORMED DATED MAY, 1997).
 AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON
 UNIFORM TYPE CONTROL DEVICES, (MAY 1998) (NOTED HERE).

INDEX OF SHEETS

SHEET NO.	TITLE/DESCRIPTION
1	COVER SHEET
2	KEY MAP
3 - 18	DRAINAGE IMPROVEMENT PLANS
19, 20	DRAINAGE DETAILS
21	ARTICULATED CONCRETE BLOCK MAT DETAILS
22	UTILITY DETAILS
23	GENERAL NOTES

BID SET
 07/07/2010



PROJECT LOCATION

VICINITY MAP
N.T.S.

ELEVATIONS AS SHOWN HEREON REFERENCE NAVD 1988 DATUM.



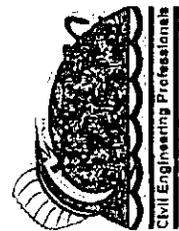
LOCATION MAP

CITY OFFICIALS

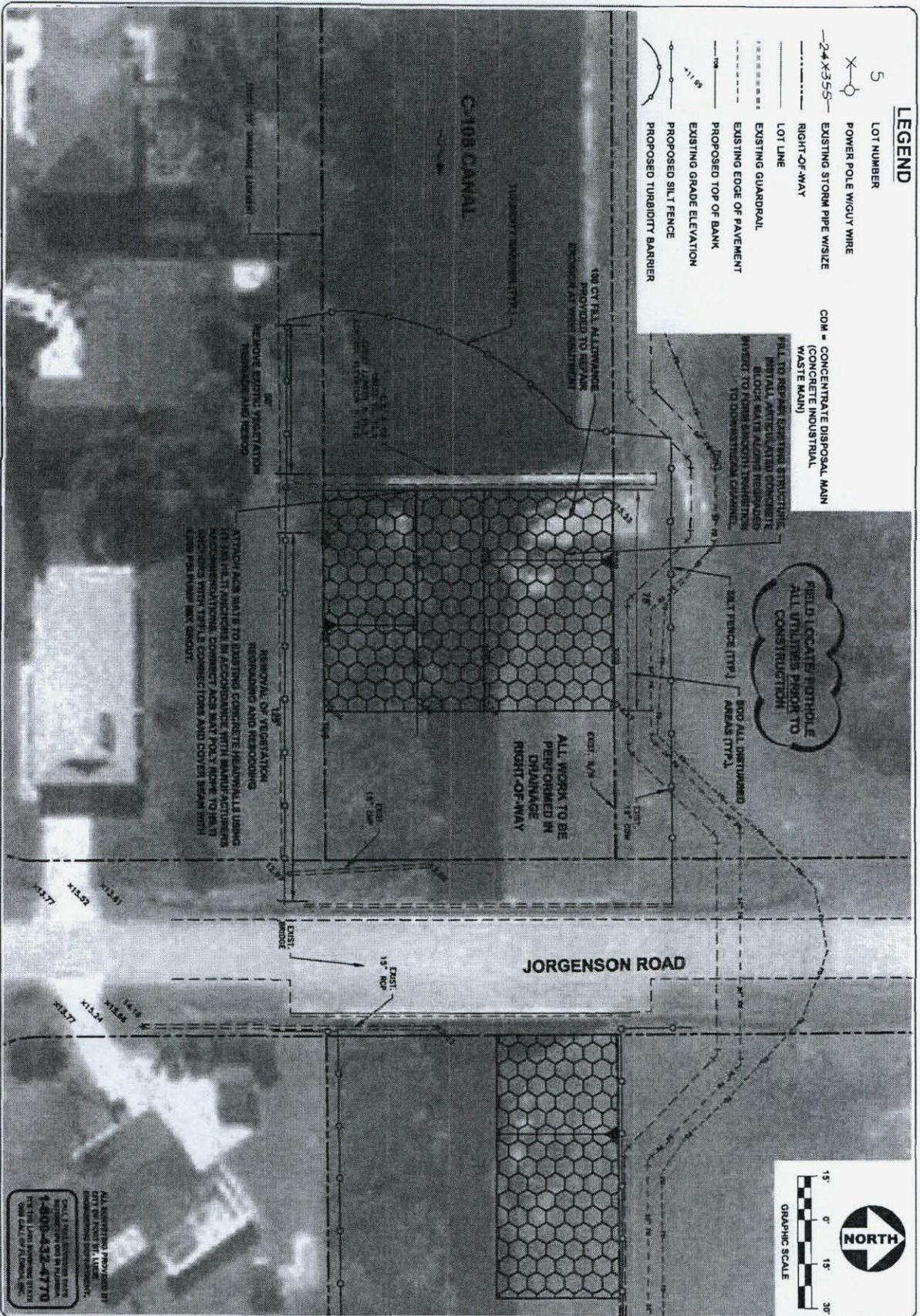
- PATRICIA CHRISTENSEN
 - JACK KELLY
 - MICHELLE L. BERGER
 - CHRISTOPHER S. COOPER
 - LINDA BARTZ
 - PATRICIA ROEHLING, P.E.
 - DONALD W. FRIEDLAND
 - JESUS MENEZO
- MAYOR
 - VICE MAYOR
 - COUNCIL MEMBER
 - COUNCIL MEMBER
 - COUNCIL MEMBER
 - CITY MANAGER
 - PUBLIC WORKS DIRECTOR
 - UTILITY SYSTEMS DIRECTOR

ENGINEER

STEVEN F. BARQUART, P.E.
 FLORIDA P.E. #34679
 CAPTEC ENGINEERING, INC.
 301 NW FLAGLER AVENUE
 PORT ST. LUCIE, FLORIDA 34954
 PHONE: (772) 882-4341
 FAX: (772) 882-4341
 E-MAIL: sfb@capteceng.com

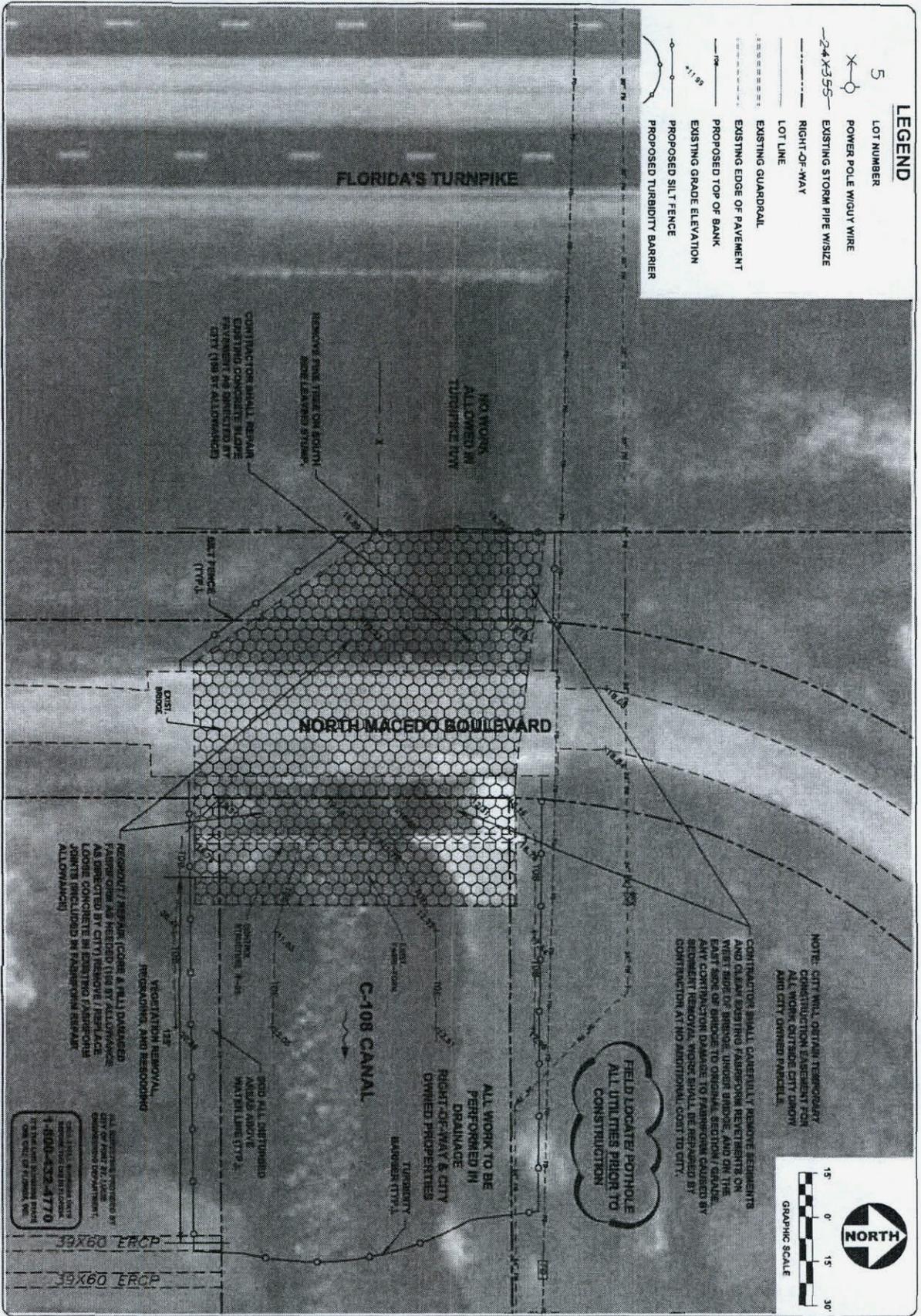


Civil Engineering Professionals

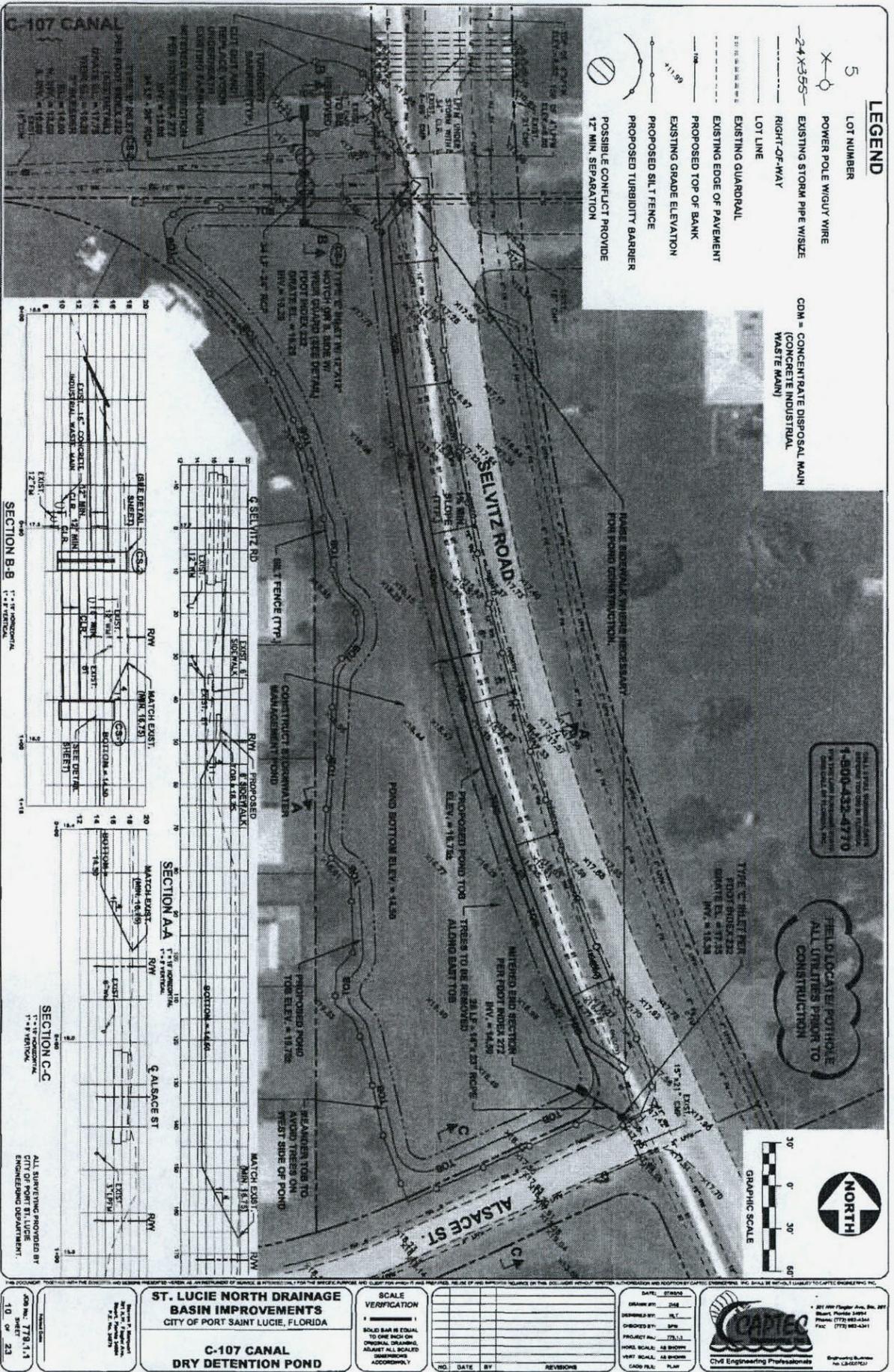


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<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-108 CANAL CONTROL STRUCTURE 8-02</p>	<p>SCALE VERIFICATION</p> <p>1" = 100'</p> <p>AS SHOWN ON ORIGINAL DRAWINGS, ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.</p>	<p>NO. DATE BY REVISIONS</p>	<p>DATE: 01/20/11 DRAWN BY: JSM CHECKED BY: JSM PROJECT NO.: 778-1.1 HORIZ. SCALE: AS SHOWN VERT. SCALE: 1" = 10' CADD FILE: PL-01</p>	<p>C&E C&E Engineering Professionals</p> <p>301 Lake Taylor Ave., Ste. 201 Port Saint Lucie, Florida 34954 Phone: (772) 883-2344 Fax: (772) 883-2341</p> <p>Professional Engineer No. 134027697</p>
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<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-108 CANAL CONTROL STRUCTURE 8-06</p>	<p>SCALE VERIFICATION</p> <p>1" = 40'-0" IN FIELD TO ONE INCH ON SHEET. DIMENSIONS SHOWN ON SHEET ALL SCALED TO ACCURACILY.</p>	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY	REVISIONS					<p>DATE: 01/28/2016</p> <p>DRAWN BY: JDE</p> <p>CHECKED BY: BFB</p> <p>PROJECT NO: 778-1.1</p> <p>SHEET SCALE: AS SHOWN</p> <p>VERT. SCALE: N/A</p> <p>CAD FILE: PLAN</p>	<p>Civil Engineering Professionals</p> <p>301 NW Flagler Ave., Ste. 301 Boca Raton, Florida 33486 Phone: (772) 862-6344 Fax: (772) 862-6344</p> <p>Engineering & Survey No. 18-000101</p>
			NO.	DATE	BY	REVISIONS						
<p>39x60 ERCP</p> <p>39x60 ERCP</p>	<p>NO. DATE BY</p>	<p>DATE: 01/28/2016</p> <p>DRAWN BY: JDE</p> <p>CHECKED BY: BFB</p> <p>PROJECT NO: 778-1.1</p> <p>SHEET SCALE: AS SHOWN</p> <p>VERT. SCALE: N/A</p> <p>CAD FILE: PLAN</p>	<p>Civil Engineering Professionals</p> <p>301 NW Flagler Ave., Ste. 301 Boca Raton, Florida 33486 Phone: (772) 862-6344 Fax: (772) 862-6344</p> <p>Engineering & Survey No. 18-000101</p>									



LEGEND

- 5 LOT NUMBER
- POWER POLE WIGWAG WIRE
- EXISTING STORM PIPE WISZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER
- POSSIBLE CONFLICT PROVIDE 12 MIN. SEPARATION

CDM = CONCENTRATE DISPOSAL MAIN
(CONCRETE INDUSTRIAL WASTE MAIN)

1-800-432-4770
Professional Seal of Engineer

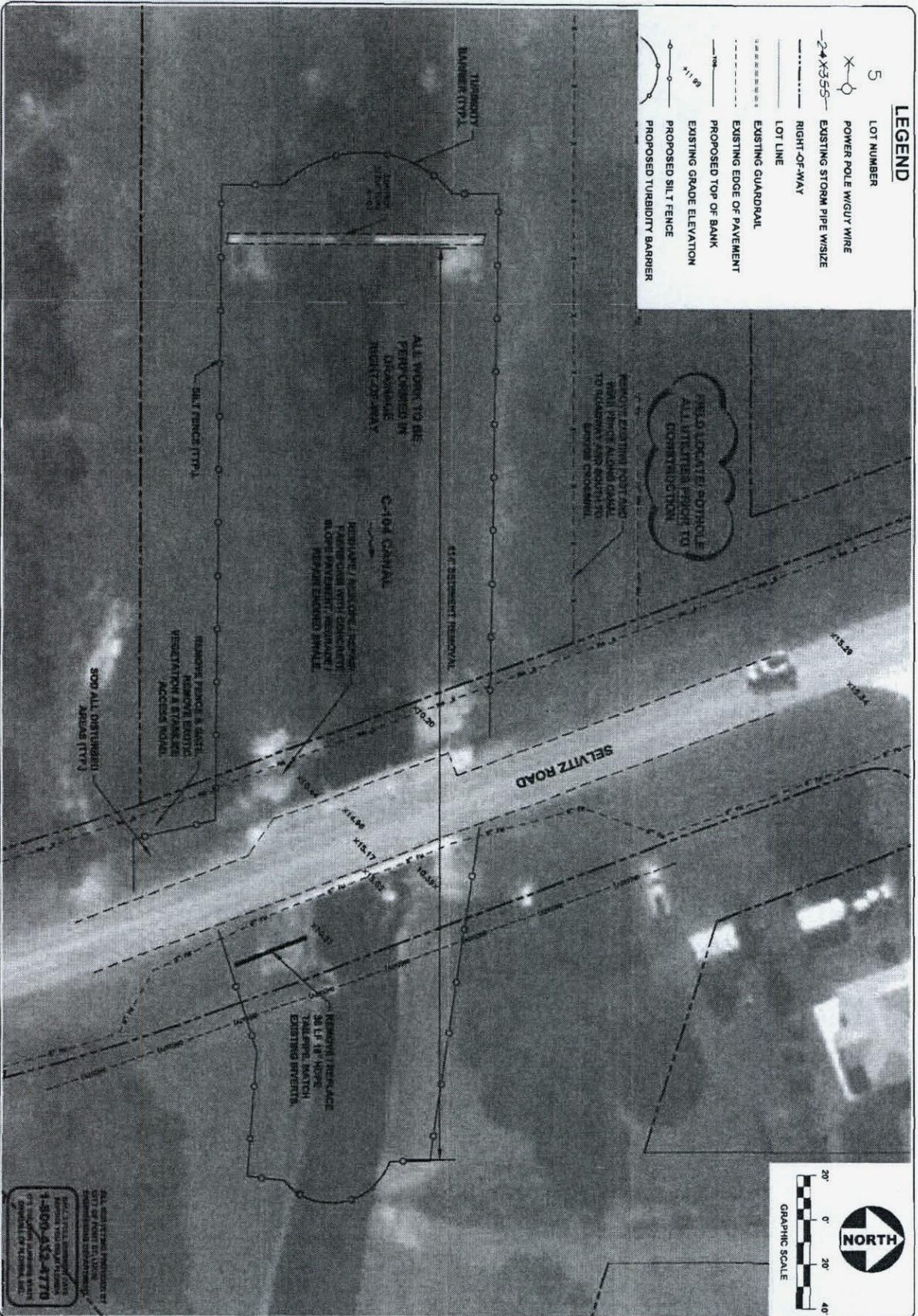
FIELD LOCATE/POTHOLE
ALL UTILITIES PRIOR TO
CONSTRUCTION



<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-107 CANAL DRY DETENTION POND</p>	<p>SCALE VERIFICATION</p> <p>SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ALWAYS ALL SCALED DIMENSIONS ACCORDINGLY.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	BY	REVISIONS					<p>DATE: 07/20/08 DRAWN BY: JML CHECKED BY: SPS PROJECT NO.: 778.1.1 SHEET NO.: 48 BROWN CADD FILE: PLAN</p>	<p>CADPEC Civil Engineering Professionals</p> <p>201 West Flagler Ave., Ste. 407 Port St. Lucie, Florida 34987 Phone: (772) 883-4344 Fax: (772) 883-4341</p>
NO.	DATE	BY	REVISIONS									

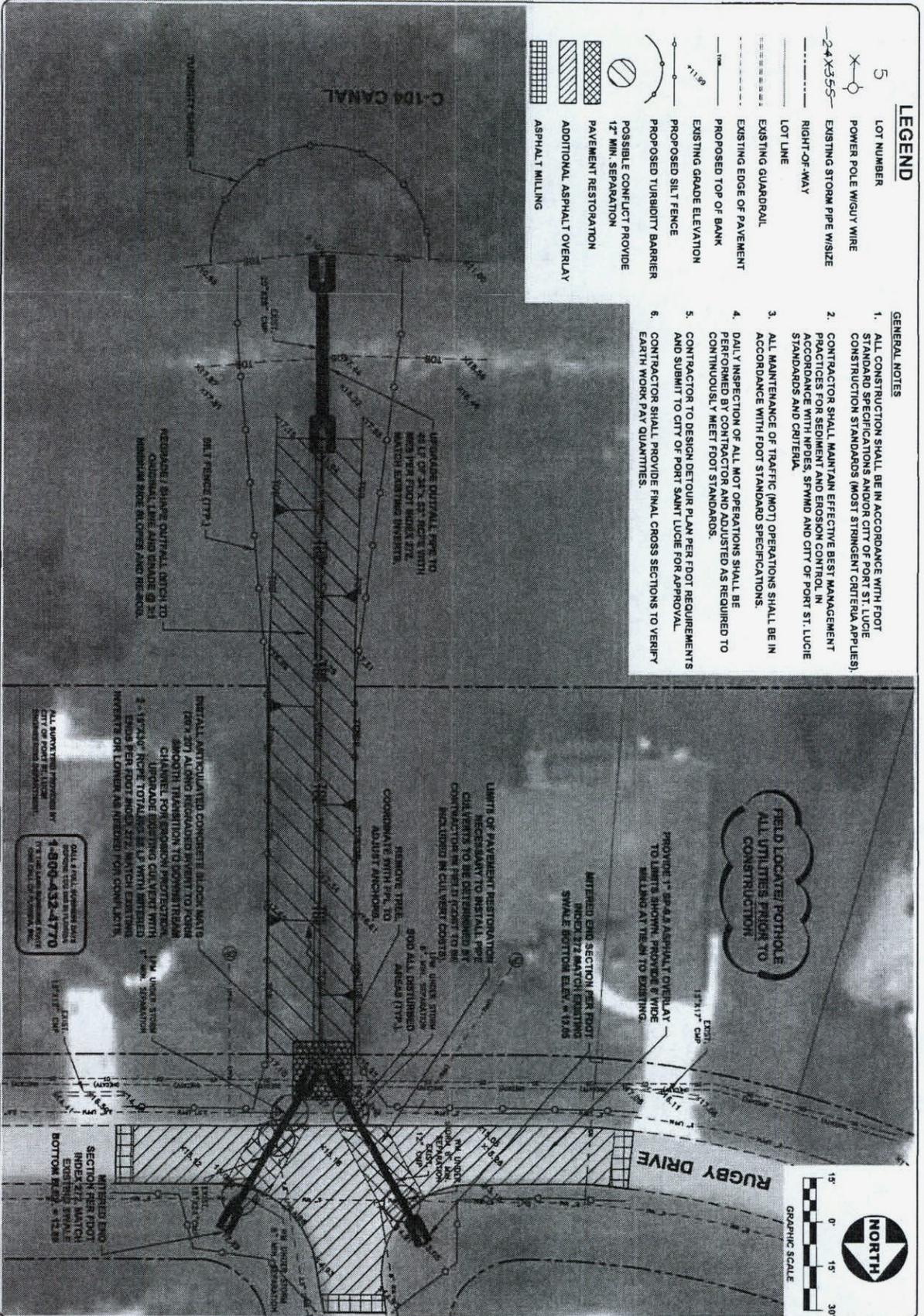
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ATTACHMENT D
SB 20120008



<p>1-800-455-4778 787-778-1111 12 of 23</p>	<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-104 CANAL CONTROL STRUCTURE 4-03</p>	<p>SCALE VERIFICATION 1" = 20'-0"</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	BY	REVISIONS																																									<p>DRAWN BY: [] DATE: 01/20/11 CHECKED BY: [] PROJECT NO.: 778-111 SHEET NO.: 12 OF 23 CADD FILE: PLAN</p>	<p>COPIED Civil Engineering Professionals</p> <p>183 1st Floor Ave. SW, 8th Fl. Miami, Florida 33134 Phone: (772) 862-2544 Fax: (772) 862-0311</p> <p>Engineering & Survey No. L34020047</p>
NO.	DATE	BY	REVISIONS																																														

SCANNED 01026111
01026111



LEGEND

- 5 LOT NUMBER
- POWER POLE W/IGUY WIRE
- EXISTING STORM PIPE W/SIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER
- POSSIBLE CONFLICT PROVIDE 12" MIN. SEPARATION
- PAVEMENT RESTORATION
- ADDITIONAL ASPHALT OVERLAY
- ASPHALT MILLING

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS AND/OR CITY OF PORT ST. LUCIE CONSTRUCTION STANDARDS (MOST STRINGENT CRITERIA APPLIES).
2. CONTRACTOR SHALL MAINTAIN EFFECTIVE BEST MANAGEMENT PRACTICES FOR SEDIMENT AND EROSION CONTROL IN ACCORDANCE WITH NPDES, SFVMD AND CITY OF PORT ST. LUCIE STANDARDS AND CRITERIA.
3. ALL MAINTENANCE OF TRAFFIC (MOT) OPERATIONS SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS.
4. DAILY INSPECTION OF ALL MOT OPERATIONS SHALL BE CONTINUOUSLY MEET FOOT STANDARDS.
5. CONTRACTOR TO DESIGN DETOUR PLAN PER FOOT REQUIREMENTS AND SUBMIT TO CITY OF PORT SAINT LUCIE FOR APPROVAL.
6. CONTRACTOR SHALL PROVIDE FINAL CROSS SECTIONS TO VERIFY EARTH WORK PAY QUANTITIES.

FIELD LOCATE/POTHOLE ALL UTILITIES PRIOR TO CONSTRUCTION

PROVIDE 1" SP-4S ASPHALT OVERLAY TO LIMITS SHOWN, PROVIDE 6" WIDE BILLING AT TEAR TO EXISTING.

INSTALLED END SECTION PER FOOT INDEX 272 MATCH EXISTING SWALE BOTTOM ELEV. @ 13.46

LIMITS OF PAVEMENT RESTORATION:
NECESSARY TO INSTALL PER CONTRACTOR'S FIELD TO FOOT TO BE INCLUDED IN CALL VEST COORDS.

REMOVE TREE, COORDINATE WITH EPA TO ADJUST ANCHORS.

300' ALL DISTURBED AREAS (17P.1)

1" MIN. UNDER STORM PIPE SEPARATION

15" MIN. CHAP

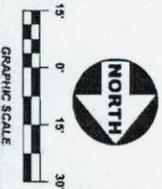
DETAIL: ARTICULATED CONCRETE BLOCK MATS (20" x 20") ALONG RIGIDIZED INVERT TO FORM SMOOTH TRANSITION TO DOWNSTREAM CHANNEL FOR EROSION PROTECTION.

UPGRADE EXISTING CULVERT WITH 24" 157210" PIPE TOTALING 84.1' WITH BIFFERED ENDS PER FOOT INDEX 272. MATCH EXISTING INVERTS OR LOWER AS NEEDED FOR CONFLICTS.

ALL SURVEYING PROVIDED BY CITY OF PORT ST. LUCIE. THE USER ASSUMES ALL LIABILITY FOR ANY ERRORS OR OMISSIONS.

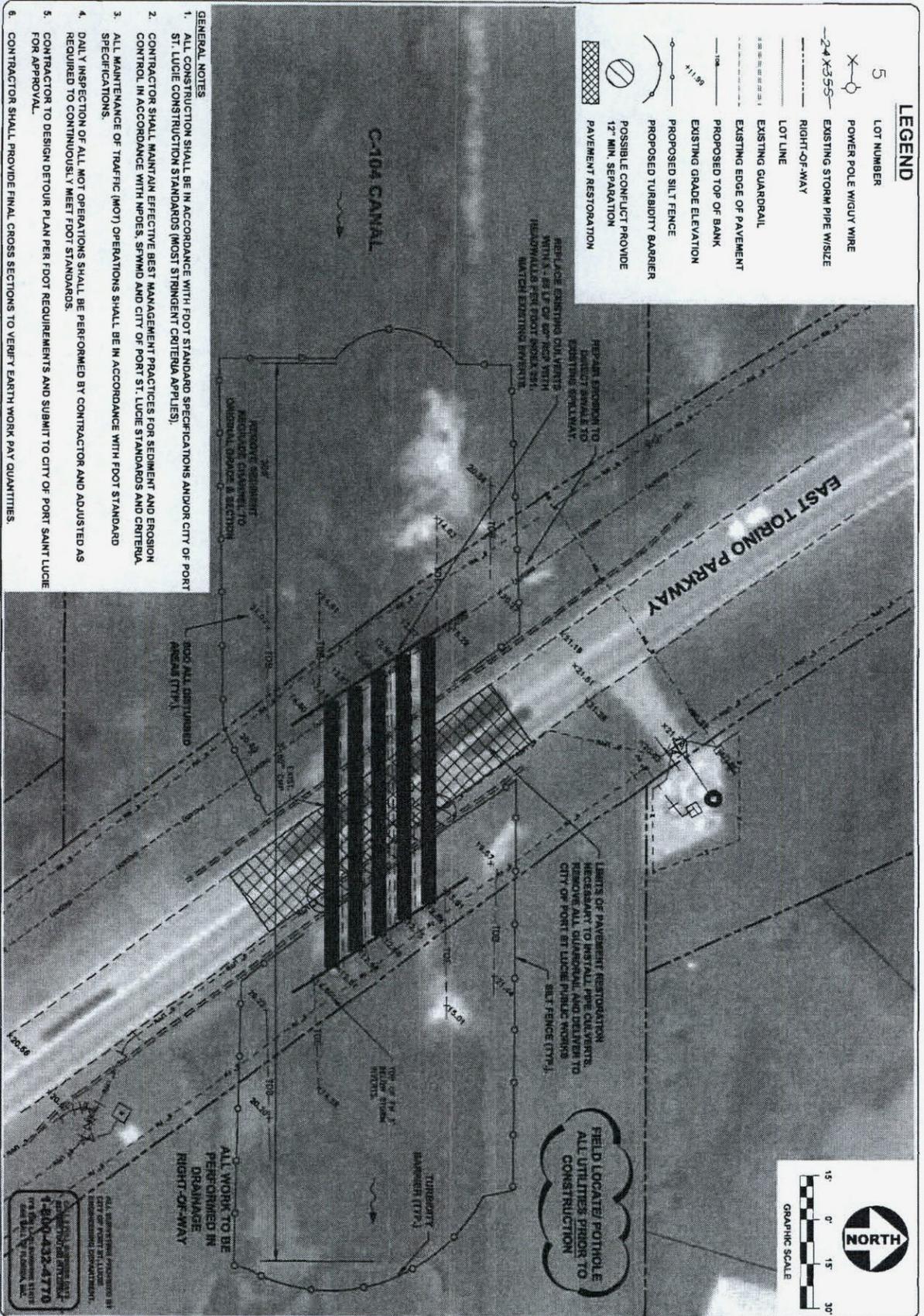
CALL & FIELD VERIFIED DATE: 11/15/11

4-800-433-4770



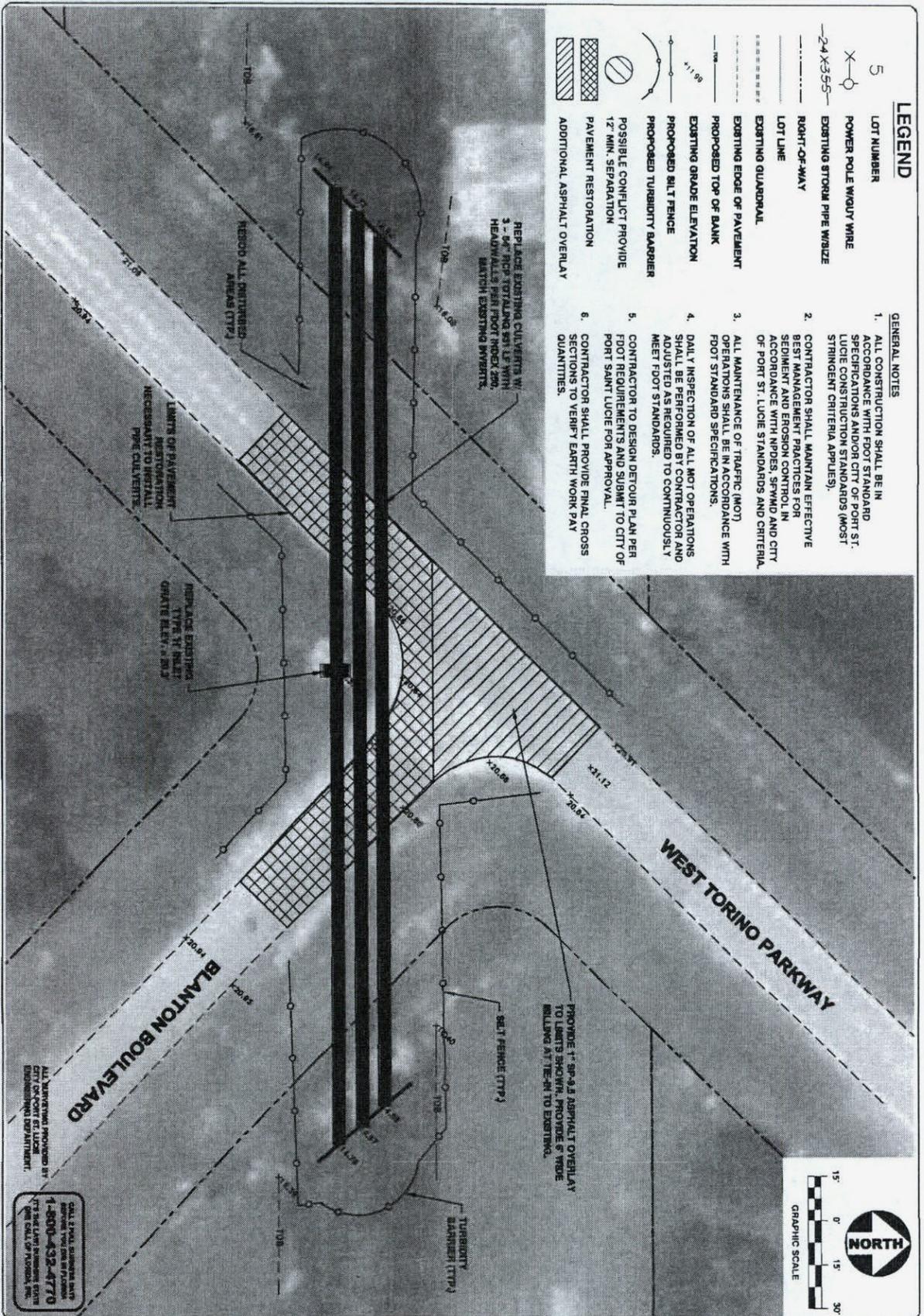
<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-104 CANAL 4R06B PIPE IMPROVEMENTS</p>	<p>SCALE VERIFICATION</p> <p>1" = 10' TO ONE FOOT ON ORIGINAL DRAWING</p> <p>ADJUST ALL RELATED DIMENSIONS ACCORDINGLY</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	REVISIONS													<p>DATE: 07/20/11</p> <p>DRAWN BY: JPS</p> <p>CHECKED BY: JPS</p> <p>PROJECT NO: 778.1.1</p> <p>FILE NO: 44</p> <p>VERT. SCALE: AS SHOWN</p> <p>CAD FILE: PLAN</p>
NO.	DATE	BY	REVISIONS																

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<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-104 CANAL 4-05 PIPE IMPROVEMENTS</p>	<p>SCALE VERIFICATION</p> <p>1 SOLID BAR IS BEHALF TO ONE INCH ON ORIGINAL DRAWING, ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.</p>	<p>NO. DATE BY</p> <p>REVISIONS</p>	<p>DATE: 11/20/11 DRAWN BY: JMS CHECKED BY: JMS PROJECT NO.: 779.1.1 HORIZ. SCALE: AS SHOWN VERT. SCALE: 8X CADD FILE: PL001</p>	<p>1-888-432-4770 1-888-432-4770 1-888-432-4770 1-888-432-4770</p>	<p>CAPEC Civil Engineering Professionals</p> <p>361 660 Tugler Ave., Ste. 801 Miami, Florida 33134 Phone: (772) 983-0344 Fax: (772) 983-0344</p> <p>Draw using AutoCAD Rev. 1.00/00/00</p>
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ATTACHMENT D
SB 20120008



LEGEND

- 5 LOT NUMBER
- POWER POLE W/OUT WIRE
- 24X355 EXISTING STORM PIPE W/PIPE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED BILT FENCE
- PROPOSED TURBIDITY BARRIER
- POSSIBLE CONFLICT PROVIDE 12' MIN. SEPARATION
- PAVEMENT RESTORATION
- ADDITIONAL ASPHALT OVERLAY

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS AND/OR CITY OF PORT ST. LUCIE CONSTRUCTION STANDARDS (MOST STRINGENT CRITERIA APPLIES).
2. CONTRACTOR SHALL MAINTAIN EFFECTIVE BEST MANAGEMENT PRACTICES FOR SEDIMENTATION CONTROL IN ACCORDANCE WITH FDOT AND CITY OF PORT ST. LUCIE STANDARDS AND CRITERIA.
3. ALL MAINTENANCE OF TRAFFIC (MOT) OPERATIONS SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS.
4. DAILY INSPECTION OF ALL MOT OPERATIONS SHALL BE PERFORMED BY CONTRACTOR AND ADJUSTED AS REQUIRED TO CONTINUOUSLY MEET FDOT STANDARDS.
5. CONTRACTOR TO DESIGN DETOUR PLAN PER FDOT REQUIREMENTS AND SUBMIT TO CITY OF PORT SAINT LUCIE FOR APPROVAL.
6. CONTRACTOR SHALL PROVIDE FINAL CROSS SECTIONS TO VERIFY EARTH WORK PAQUANTITIES.

REPLACE EXISTING CULVERTS WITH 3-60" RCP TOTALING 891 LF WITH HEADWALLS PER FDOT BOX 200. MATCH EXISTING INVERTS.

LIMITS OF PAVEMENT RESTORATION NECESSARY TO INSTALL PIPE CULVERTS.

REPLACE EXISTING TYPE 'X' BILT CHUTE BILT "B" BILT

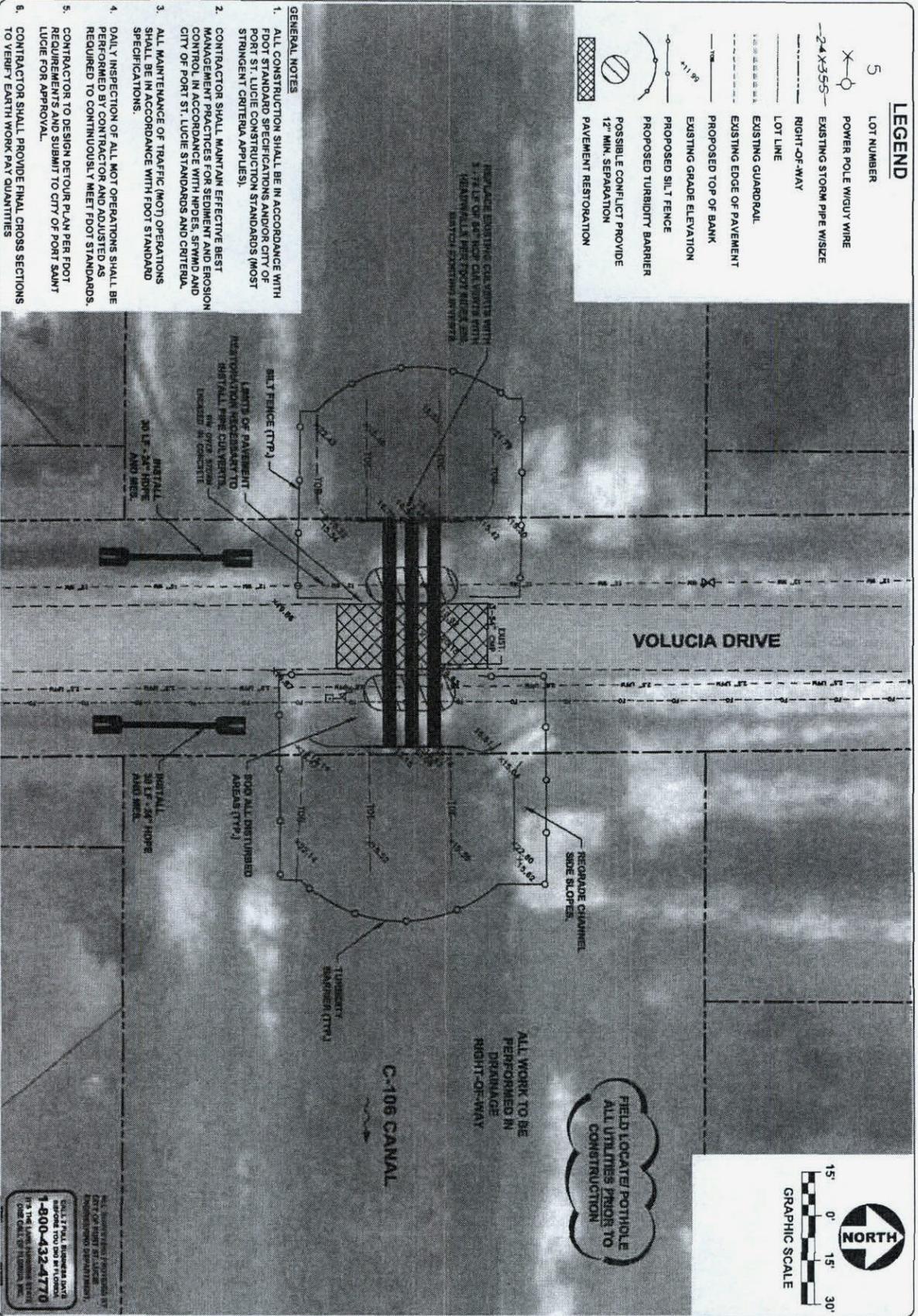
PROVIDE 1" SP-9.5 ASPHALT OVERLAY TO LIMITS SHOWN. PROVIDE 8" W/BE MILLING AT THE IN TO EXISTING.



CALL 2 HOUR, 24 HOUR AND 7 DAY EMERGENCY SERVICE AT 1-800-432-4770. CITY OF PORT SAINT LUCIE, FLORIDA. ALL DIMENSIONS SHOWN UNLESS OTHERWISE NOTED.

<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-105 CANAL 5-09 PIPE IMPROVEMENTS</p>	<p>SCALE VERIFICATION</p> <p>1" = 100'</p> <p>SOLID BARS IN SCALE TO ONE INCH ON ORIGINAL DRAWING, MEASUREMENT SHALL BE ACCORDINGLY.</p>	<p>DATE: 2/20/20</p> <p>DESIGNED BY: [Blank]</p> <p>CHECKED BY: [Blank]</p> <p>PROJECT NO.: 778.1.1</p> <p>FILE NO.: 2019-000000</p> <p>SCALE: AS SHOWN</p> <p>DATE: 2/20/20</p>	<p>CADTEC Civil Engineering Professionals</p> <p>100 West Rieger Ave., Ste. 100 Port Saint Lucie, Florida 34956 Phone: (772) 862-4344 Fax: (772) 862-4344</p> <p>Exp. No. 1000000000</p>
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17 01026111 DENNVC05
 17 01026111 DENNVC05



- GENERAL NOTES**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS AND/OR CITY OF PORT ST. LUCIE CONSTRUCTION STANDARDS (MOST STRINGENT CRITERIA APPLIES).
 2. CONTRACTOR SHALL MAINTAIN EFFECTIVE BEST MANAGEMENT PRACTICES FOR SEDIMENT AND EROSION CONTROL IN ACCORDANCE WITH NPDES, SFVWMD AND CITY OF PORT ST. LUCIE STANDARDS AND CRITERIA.
 3. ALL MAINTENANCE OF TRAFFIC (MOT) OPERATIONS SHALL BE IN ACCORDANCE WITH FOOT STANDARD SPECIFICATIONS.
 4. DAILY INSPECTION OF ALL MOT OPERATIONS SHALL BE REQUIRED BY CONTRACTOR AND ADJUSTED AS REQUIRED TO CONTINUOUSLY MEET FOOT STANDARDS.
 5. CONTRACTOR TO DESIGN DETOUR PLAN PER FOOT REQUIREMENTS AND SUBMIT TO CITY OF PORT SAINT LUCIE FOR APPROVAL.
 6. CONTRACTOR SHALL PROVIDE FINAL CROSS SECTIONS TO VERIFY EARTH WORK PAY QUANTITIES

LEGEND

- 5 LOT NUMBER
- POWER POLE WIGWAG WIRE
- EXISTING STORM PIPE WISIZE
- RIGHT-OF-WAY
- LOT LINE
- EXISTING GUARDRAIL
- EXISTING EDGE OF PAVEMENT
- PROPOSED TOP OF BANK
- EXISTING GRADE ELEVATION
- PROPOSED SILT FENCE
- PROPOSED TURBIDITY BARRIER
- POSSIBLE CONFLICT PROVIDE 12' MIN. SEPARATION
- PAVEMENT RESTORATION

NORTH

15' 0' 15' 30'

GRAPHIC SCALE

FIELD LOCATE/POTHOLE ALL UTILITIES PRIOR TO CONSTRUCTION

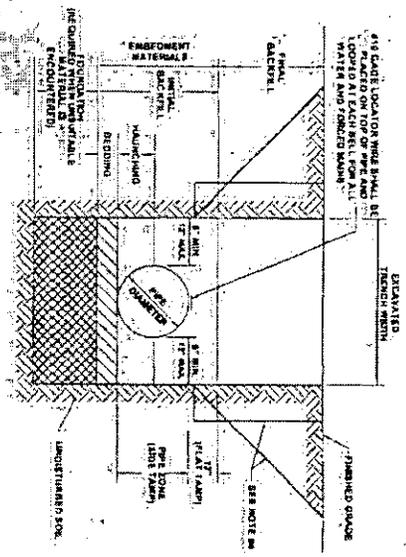
ALL WORK TO BE PERFORMED IN DRAINAGE RIGHT-OF-WAY

CALL SURVEYING PROVIDED BY CITY OF PORT ST. LUCIE ENGINEERING DEPARTMENT. 1-800-432-4770 FOR THE LATEST REVISIONS TO THE LATEST EDITION OF THE CITY OF PORT SAINT LUCIE, FLORIDA.

<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>C-106 CANAL 6-09 PIPE IMPROVEMENTS</p>	<p>SCALE VERIFICATION</p> <p>1" = 40'</p> <p>SOLID BAR IS EQUAL TO ONE INCH ON ORIGINAL DRAWING. ADJUST ALL SCALED DIMENSIONS ACCORDINGLY.</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	REVISIONS																					<p>DATE: 05/20/2012</p> <p>DRAWN BY: JSE</p> <p>CHECKED BY: JSE</p> <p>PROJECT NO: 778.1.1</p> <p>HOUS. SCALE: AS SHOWN</p> <p>VERT. SCALE: AS SHOWN</p> <p>CADD FILE: PLAN</p>	<p>COPIES</p> <p>Civil Engineering Professionals</p> <p>1101 West Flagler Ave., Ste. 301 Stuart, Florida 34994 Phone: (772) 882-4344 Fax: (772) 882-3541</p> <p>1-800-432-4770</p>
	NO.	DATE	BY	REVISIONS																								
<p>Author: J. J. Anderson Project No. 778.1.1 Date: 05/20/12</p>	<p>Scale: 1" = 40'</p> <p>Sheet No. 17 of 23</p>	<p>DATE: 05/20/2012</p> <p>DRAWN BY: JSE</p> <p>CHECKED BY: JSE</p> <p>PROJECT NO: 778.1.1</p> <p>HOUS. SCALE: AS SHOWN</p> <p>VERT. SCALE: AS SHOWN</p> <p>CADD FILE: PLAN</p>	<p>COPIES</p> <p>Civil Engineering Professionals</p> <p>1101 West Flagler Ave., Ste. 301 Stuart, Florida 34994 Phone: (772) 882-4344 Fax: (772) 882-3541</p> <p>1-800-432-4770</p>																									

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ATTACHMENT D
SB 20120008

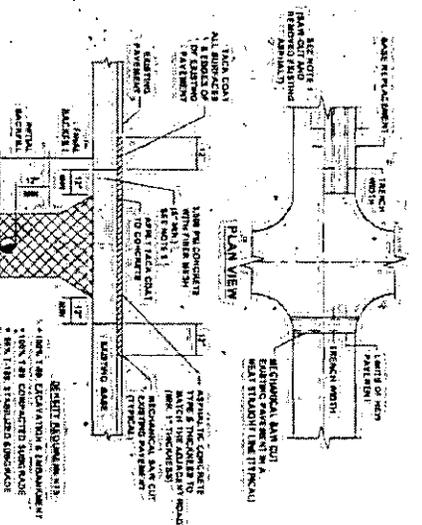


FOR THE WORKER REMOVING SHTETING, SHORING, STAY BRACING, TRENCH PROTECTION, AND OTHER TEMPORARY STRUCTURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES TO REMAIN.

TYPICAL PIPE TRENCH DETAIL

UTILITIES	LOCATION OF PUBLIC UTILITY SYSTEM FACILITIES IN ACCORDANCE WITH PUBLIC SPECIFICATIONS
SEWER	Diagram showing sewer pipe in trench with bedding and manhole structure.
WATER	Diagram showing water pipe in trench with bedding and valve structure.
TELEPHONE	Diagram showing telephone pipe in trench with bedding and manhole structure.
STORM SEWER	Diagram showing storm sewer pipe in trench with bedding and manhole structure.

STANDARD SEPARATION REQUIREMENTS

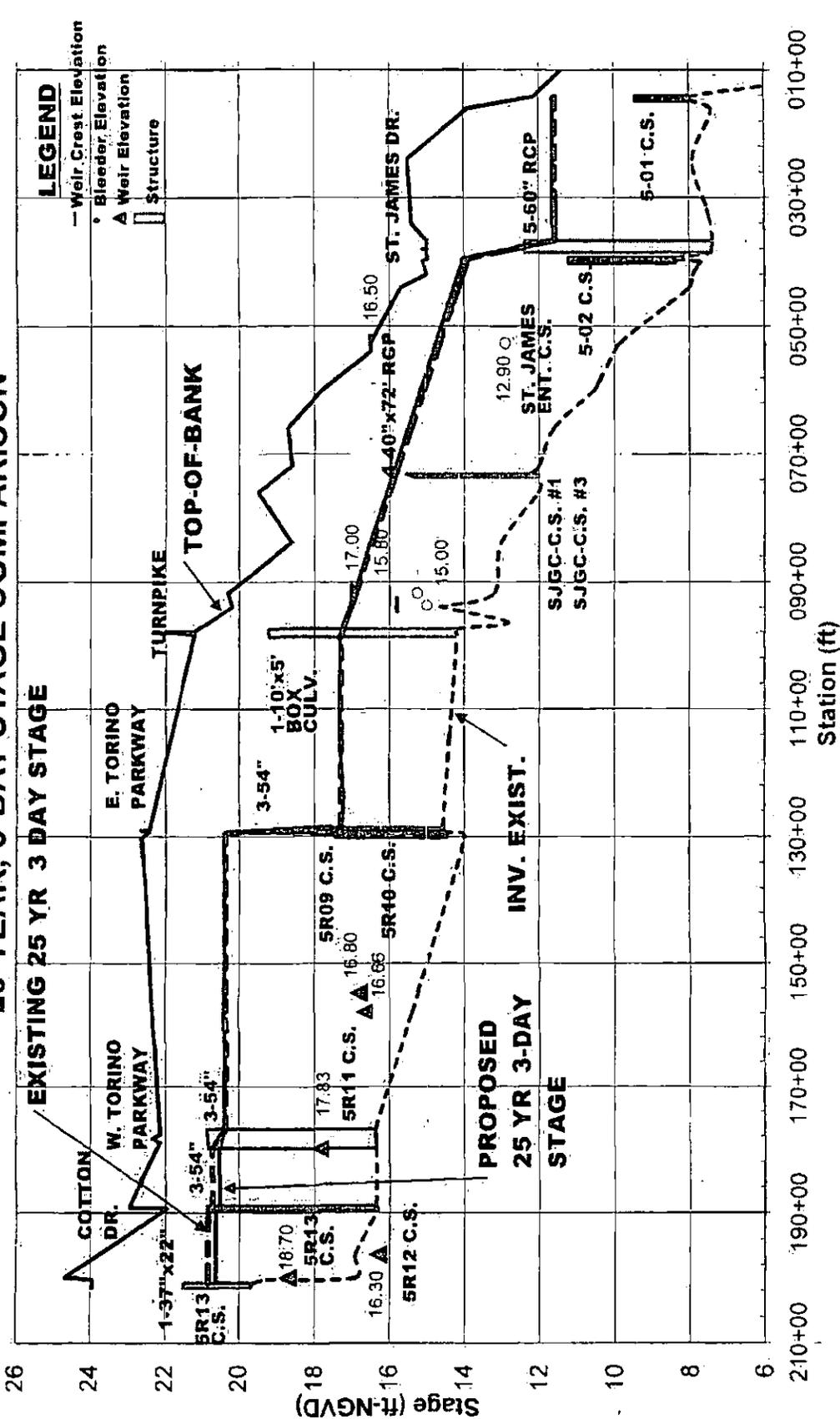


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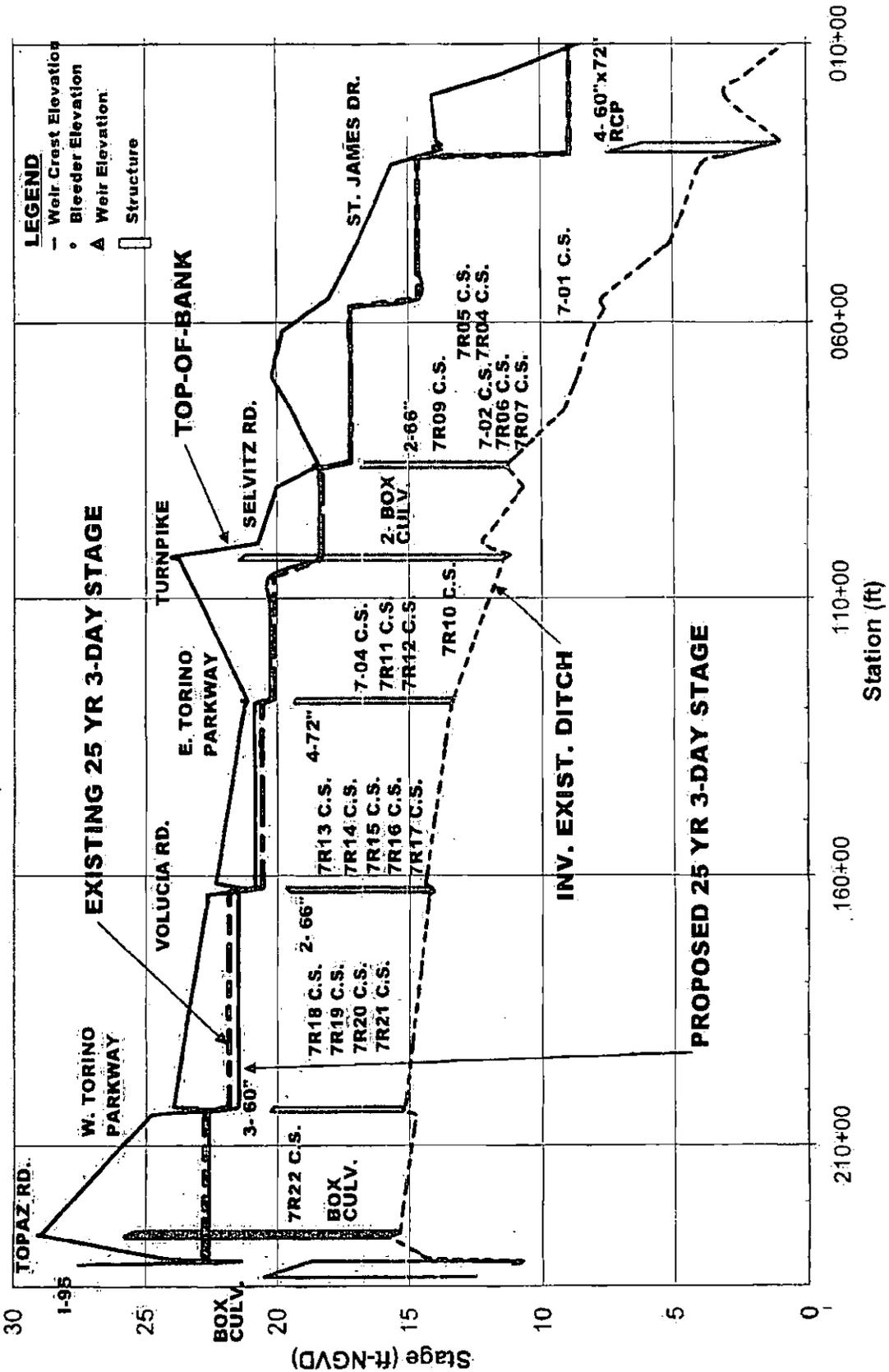
PAVEMENT RESTORATION DETAIL

ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS
CITY OF PORT SAINT LUCIE, FLORIDA
UTILITY DETAILS

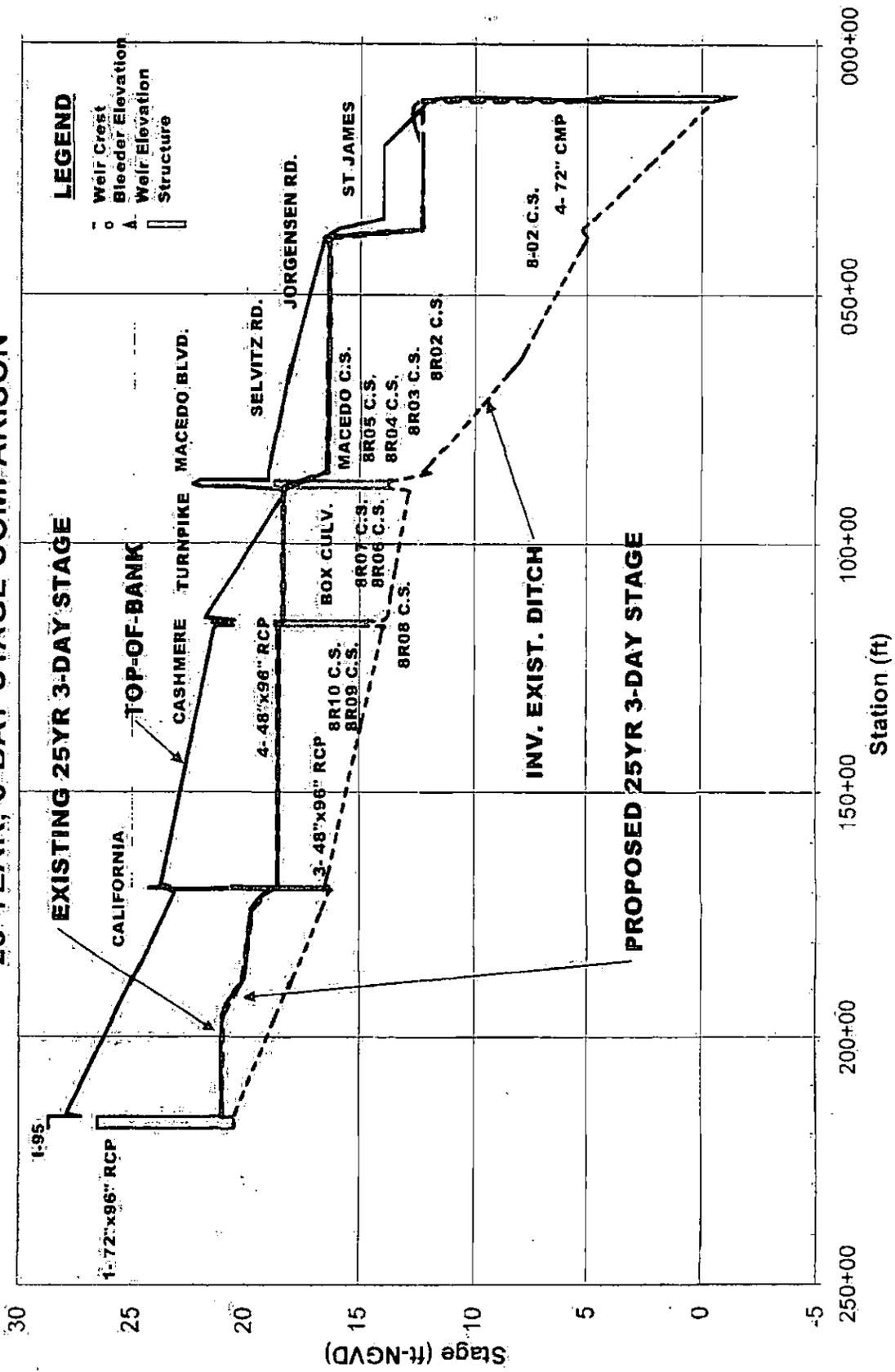
C-105 CANAL 25-YEAR, 3-DAY STAGE COMPARISON



C-107 CANAL 25-YEAR, 3-DAY STAGE COMPARISON



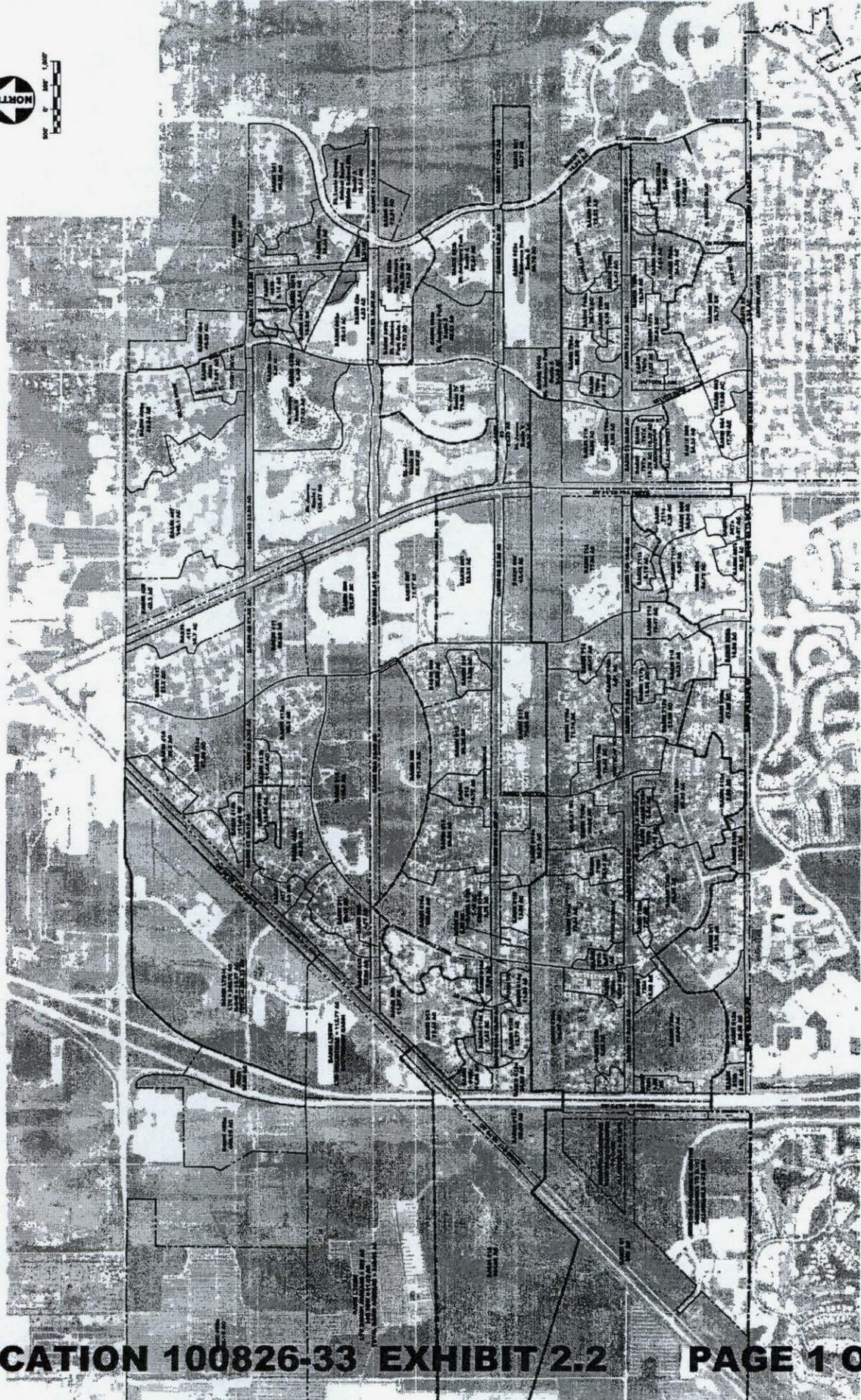
C-108 CANAL 25-YEAR, 3-DAY STAGE COMPARISON



UNCLASSIFIED

ATTACHMENT D
SB 20120008

 <p>1101 West Highway 90A, Suite 200 Port St. Lucie, Florida 34986 Tel: 888-888-8888 Fax: 888-888-8888</p>	<p>DATE: 10/20/11</p> <p>DRAWN BY: JAR</p> <p>CHECKED BY: JMS</p> <p>PROJECT NO.: 1101</p> <p>PROJECT NAME: TYPICAL</p> <p>WEST SCALE: 1" = 100'</p> <p>EAST SCALE: 1" = 100'</p> <p>GRID FILE: 1101.DWG</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	BY	REVISIONS																	<p>SCALE</p> <p>VERIFICATION</p> <p>1. ACCURACY</p> <p>2. NO. OF DATA POINTS</p> <p>3. ORIGINAL SURVEY</p> <p>4. ADJUSTED SURVEY</p> <p>5. ADJUSTMENT METHOD</p> <p>6. ADJUSTMENT SOFTWARE</p> <p>7. ADJUSTMENT CONTROL POINTS</p> <p>8. ADJUSTMENT CONTROL POINT ELEVATIONS</p> <p>9. ADJUSTMENT CONTROL POINT COORDINATES</p> <p>10. ADJUSTMENT CONTROL POINT IDENTIFICATION</p>	<p>ST. LUCIE NORTH DRAINAGE BASIN IMPROVEMENTS</p> <p>CITY OF PORT SAINT LUCIE, FLORIDA</p> <p>BASIN MAP</p>	<p>DATE: 10/20/11</p> <p>PROJECT NO.: 1101</p> <p>PROJECT NAME: TYPICAL</p> <p>WEST SCALE: 1" = 100'</p> <p>EAST SCALE: 1" = 100'</p> <p>GRID FILE: 1101.DWG</p>	<p>JOB NO. 7781.1</p> <p>SHEET 1 OF 1</p>
	NO.	DATE	BY	REVISIONS																						



STAFF REPORT DISTRIBUTION LIST

PORT ST. LUCIE NORTH BASIN IMPROVEMENTS

Application No: 100826-33

Permit No: 56-00466-S

INTERNAL DISTRIBUTION

- X Glen J. Gareau, P.E.
- X Jose Vega
- X Hugo A. Carter, P.E.
- X Melinda Parrott
- X ERC/Martin/St. Lucie
- X Permit File

EXTERNAL DISTRIBUTION

- X Permittee - City Of Port St. Lucie
- X Engr Consultant - Captec Engineering, Inc.

GOVERNMENT AGENCIES

- X City Engineer, City of Port Saint Lucie
- X City of Port St Lucie - Planning Div
- X St. Lucie County Engineer

OTHER INTERESTED PARTIES

- X Sierra Club - Central Florida Group

SCANNED
SCANNED
11/10/2019
11:26:11 AM

ATTACHMENT D
SB 20120008

STAFF REPORT DISTRIBUTION LIST

ADDRESSES

City Of Port St. Lucie
121 Sw Port St. Lucie Blvd
Port St Lucie FL 34984

Captec Engineering, Inc.
301 Nw Flagler Avenue
Stuart FL 34994

City Engineer, City of Port Saint Lucie
121 Sw Port St Lucie Blvd
Port Saint Lucie FL 34984

City of Port St Lucie - Planning Div
121 Sw Port St Lucie Blvd
Port St Lucie FL 34984-5099

St. Lucie County Engineer
2300 Virginia Avenue
Fort Pierce FL 34982

Sierra Club - Central Florida Group
P.O. Box 941692
Maitland FL 32794

ATTACHMENT D
SB 20120008

SCANNED
SCANNED
11192914
11192914
11192914

Port St. Lucie North Basin
Improvements

100826-33

5699 9196 5000 06E0 5007

U.S. Postal Service		CERTIFIED MAIL RECEIPT	
<i>(Domestic Mail Only, No Insurance Coverage Provided)</i>			
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OFFICIAL USE			
Postage	\$	Postmark Here	
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$		
CITY OF PORT ST. LUCIE			
MS. PATRICIA ROEBLING, P.E.			
121 SW PORT ST. LUCIE BLVD.			
PORT ST. LUCIE, FL 34984			
PS Form 3800, June 2002		Reverse for Instructions	



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
4400 PGA BOULEVARD, SUITE 500
PALM BEACH GARDENS, FLORIDA 33410

ATTACHMENT E
SB #20120008

December 1, 2010

REPLY TO
ATTENTION OF

Regulatory Division
Palm Beach Gardens Section
SAJ-2010-02589 (NW-SLR)

City of Port St. Lucie
c/o Patricia Roebing
121 SW Port St. Lucie Boulevard
Port St. Lucie, Florida 34984

Dear Ms. Roebing:

Your application for a Department of the Army permit received on October 4, 2010, has been assigned number SAJ-2010-02589. A review of the information and drawings provided shows the proposed work is for improvements to the St. Lucie North Drainage Basin resulting in the placement of fill within 0.03 acre of waters of the U.S. The project is located within the C-104, C-105, C-106, C-107, and C-108 Canals, in Sections 1, 5-8, 11-15, and 17-18, Township 38 south, Ranges 39 and 40 east, Port St. Lucie, St. Lucie County, Florida.

Your project, as depicted on the received drawings, is authorized by Nationwide Permit (NWP) Number 31. In addition, project specific conditions have been enclosed. This verification is valid until the NWP is modified, reissued, or revoked prior to March 18, 2012. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are issued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory webpage to access web links to view the Final Nationwide Permits, Federal Register Vol. 72, dated March 12, 2007, the Corrections to the Final Nationwide Permits, Federal Register 72, May 8, 2007, and the List of Regional Conditions. The website address is as follows:

<http://www.saj.usace.army.mil/Divisions/Regulatory/sourcebook.htm>.

Please be aware this web address is case sensitive and should be entered as it appears above. Once there you will need to click

-2-

on "Nationwide Permits:". These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 13. Additionally, enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following special conditions are included with this verification:

1. Within 60 days of completion of the work authorized, the attached "Self-Certification Statement of Compliance" must be completed and submitted to the U.S. Army Corps of Engineers. Mail the completed form to the Regulatory Division, Special Projects and Enforcement Branch, Jose Rivera, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410.

2. The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

3. No structure or work shall adversely affect or disturb properties listed in the National Register of Historic Places or those eligible for inclusion in the National Register. Prior to the start of work, the Permittee or other party on the Permittee's behalf, shall conduct a search in the National Register Information System (NRIS). Information can be found at; <http://www.cr.nps.gov/nr/research/nris.htm>. Information on properties eligible for inclusion in the National Register can be identified by contacting the Florida Master File Office by email at fmsfile@dos.state.fl.us or by telephone at 850-245-6440.

-3-

If unexpected cultural resources are encountered at any time within the project area that was not the subject of a previous cultural resource assessment survey, work should cease in the immediate vicinity of such discoveries. The permittee, or other party, should notify the SHPO immediately, as well as the appropriate Army Corps of Engineers office. After such notifications, project activities should not resume without verbal and/or written authorization from the SHPO.

If unmarked human remains are encountered, all work shall stop immediately, and the proper authorities notified in accordance with Section 872.05, Florida Statutes, unless on Federal lands. After such notifications, project activities on non-Federal lands shall not resume without verbal and/or written authorization from the Florida State Archaeologist for finds under his or her jurisdiction.

4. This permit does not authorize the placement of fill within any adjacent wetlands depicted on the provided drawings.

5. The applicant shall abide by the attached construction conditions for the Eastern Indigo Snake.

This letter of authorization does not obviate the necessity to obtain any other Federal, State, or local permits, which may be required. In Florida, projects qualifying for this NWP must be authorized under Part IV of Chapter 373 by the Department of Environmental Protection, a water management district under S. 373.069, F.S., or a local government with delegated authority under S. 373.441, F.S., and receive Water Quality Certification (WQC) and Coastal Zone Consistency Concurrence (CZCC) (or a waiver), as well as any authorizations required by the State for the use of sovereign submerged lands. You should check State-permitting requirements with the Florida Department of Environmental Protection or the appropriate water management district.

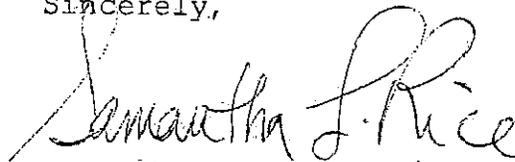
This letter does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

-4-

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact Samantha L. Rice by telephone at 561-472-3530.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit <http://per2.nwp.usace.army.mil/survey.html> and complete our automated Customer Service Survey. Your input is appreciated - favorable or otherwise. Again, please be aware this web address is case sensitive and should be entered as it appears above.

Sincerely,



Samantha L. Rice
Project Manager

Enclosures

Copies Furnished:

CAPTEC Engineering, Inc., Steve Marquart (smarquart@gocaptec.com)

CESAJ-RD-PE, Jose.J.Rivera@usace.army.mil

GENERAL CONDITIONS
33 CFR PART 320-330

PUBLISHED FEDERAL REGISTER DATED 13 NOVEMBER 1986

1. The time limit for completing the work authorized ends on date identified in the letter. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: NW-31
Application Number: SAJ-2010-02589

Permittee's Name & Address (please print or type): _____

Telephone Number: _____

Location of the Work: _____

Date Work Started: _____ Date Work Completed: _____

Description of the Work (e.g., bank stabilization, residential or commercial filling, docks, dredging, etc.): _____

Acreage or Square Feet of Impacts to Waters of the United States: _____

Describe Mitigation completed (if applicable): _____

Describe any Deviations from Permit (attach drawing(s) depicting the deviations): _____

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

Signature of Permittee

Date

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2010-02589 (NW-SLR)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFEEE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

Eastern Indigo Snake
Drymarchon corais couperi
(Holbrook)

The eastern indigo snake is a non-poisonous, federally protected snake and is also known as gopher snake, blue indigo snake or blue bull snake. The eastern indigo snake is state and federally protected. It may occur in any habitat traversed within the construction area. They may not be captured, harmed, harassed, wounded, hunted, etc. The U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission need your cooperation to help protect this threatened species.

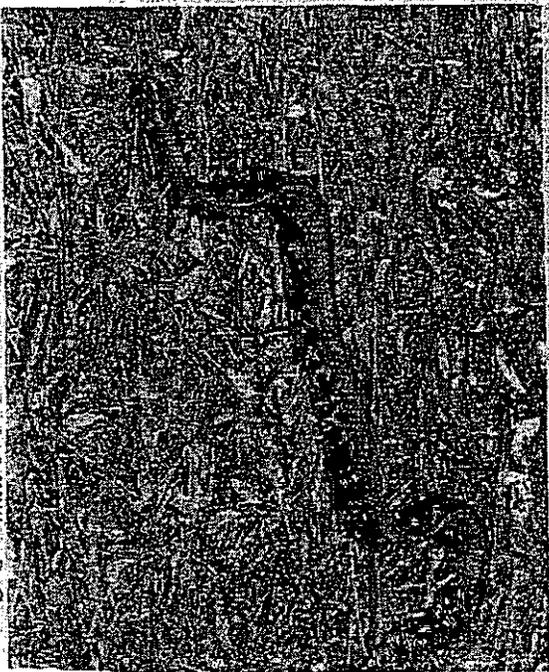
DESCRIPTION

The eastern indigo snake is shiny, blue-black in color, with white, coral or rust reddish color around the chin, throat and cheeks. It is a thick-bodied snake that averages 6 feet in length and can grow to 8.6 feet. Young are similar to adults but some are lighter and show a blotched dorsal pattern.

LIFE HISTORY AND ECOLOGY

Within the construction area, the indigo snake is most likely to be found along the edges of swamps and marshes where food is abundant. This snake is also found in pine flatwoods and hardwood communities. It feeds on fish, frogs, toads, lizards, snakes, small turtles, birds and small mammals. It is diurnal, i.e., active during the day. Eggs are laid in May or June (5-10 eggs), and hatchlings are 18-24 inches long. Hatchlings may appear as late as August and September. State law prohibits the taking, attempting to take, pursuing, hunting, molesting, capturing or killing, possessing, transporting, or selling of this species or parts thereof or their nests or eggs (Wildlife Code of the State of Florida, Chapter 39, F.A.C. Rule 39-27-002). Similarly, federal law prohibits "harassing, harming, pursuing, hunting, shooting, wounding, killing, trapping, capturing or collecting, or attempting to engage in any such conduct (collectively defined as taking), or possessing, selling, delivering, carrying, transporting, or shipping, protected species" (Endangered Species Act of 1973, as amended, 16 U.S.C. 1531(a)).

If You Should See an Eastern Indigo Snake...



© William R. Cox

If the snake is observed, do not disturb it. Any disturbance of this snake's activity is prohibited. If an eastern indigo snake is sighted, construction shall cease and a qualified biologist at Kevin L. Erwin Consulting Ecologist, Inc. will immediately be contacted (see Kevin L. Erwin Consulting Ecologist, Inc. address and phone number). The eastern indigo snake will be allowed sufficient time to move away from the site or be relocated by a qualified biologist before construction or clearing is resumed. Only a qualified biologist will be permitted to come in contact with the eastern indigo snake. Construction can resume after the eastern indigo snake has moved from the area or has been relocated.

Please report any sighting of this snake. If a dead eastern indigo snake is found, the specimen should be thoroughly soaked in water, frozen immediately and the South Florida Ecosystem office contacted within 24 hours at (561) 562-3909. Sightings of eastern indigo snakes should be reported immediately to the following:

Additional Information

Jay Slack
South Florida Ecosystem Office
U.S. Fish and Wildlife Service
1339 20th Street
Vero Beach, Florida 32960
(561) 562-3909

William R. Cox
Kevin L. Erwin Consulting Ecologist, Inc.
2077 Bayside Parkway
Fort Myers, Florida 33901
(941) 337-1505

James Beever
Florida Fish and Wildlife Conservation Commission
Office of Environmental Services
29200 Tuckers Grade
Punta Gorda, Florida 33955
(941) 575-5765

References

Ashton, R. E., Jr. and P. S. Ashton. 1988. Handbook of Reptiles and Amphibians of Florida, Part One, The Snakes. Windward Publishing, Inc., Miami, Florida.

Logan, T.H. 1997. Florida's Endangered Species, Threatened Species, and Species of Special Concern. Florida Game and Fresh Water Fish Commission, Tallahassee, FL.

Moler, P. E. 1992. Rare and Endangered Biota of Florida. Amphibians and Reptiles. Volume III. University Press of Florida, Tallahassee, Florida.

Smith, H. M. and E. D. Brodie, Jr. 1982. A Guide to Field Identification, Reptiles of North America. Golden Press, New York.

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A. - The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

B. - If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

C. - In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

D. - The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(3) Fringe Benefit Information:

A. - Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics equivalent thereof.

(4) Fringe Benefit Costs:

A. - If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

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B. - Withholding: The (write in name of Federal Agency or the loan or grant-recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

C. - Payrolls and basic records. (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(5) Payroll Information:

A. - The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency). The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired.

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Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency), the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

B. - Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

- (1) That the payroll for the payroll period contains the information required to be provided under Sec. 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under Sec. 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;
- (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
- (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

C. - The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

D. - The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the (write the name of the agency) or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the

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required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees--(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for

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apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity: The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) Compliance with Copeland Act requirements: The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) Subcontracts: The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the (write in the name of the Federal agency) may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) Certification of eligibility: (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

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(b) Contract Work Hours and Safety Standards Act. The Agency Head shall cause or require the contracting officer to insert the following clauses set forth in paragraphs (b)(1), (2), (3), and (4) of this section in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by Sec. 5.5(a) or 4.6 of part 4 of this title. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

(c) In addition to the clauses contained in paragraph (b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in Sec. 5.1, the Agency Head shall cause or require the contracting officer to insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall

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contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Agency Head shall cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

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U.S. DEPARTMENT OF TRANSPORTATION OFFICE OF INSPECTOR GENERAL

WHISTLEBLOWERS KNOW YOUR RIGHTS

On February 17, 2009 the American Recovery and Reinvestment Act (ARRA) was signed into law by President Obama to improve public welfare. If you protect America's interests by reporting fraud, abuse, or mismanagement of ARRA funds at your workplace, and are retaliated against as a result, know that America is here for you.

American Recovery and Reinvestment Act of 2009, Pub. L. No. 111-5, Title XV, Subtitle D, Section 1553

A

ADMINISTRATIVE REVIEW:

You have the right to file a complaint with the Office of Inspector General and receive a timely investigation and response.

R

REPRISAL-FREE

You have the right to be free from discharge, demotion, or discrimination as a result of disclosing:

- *Gross mismanagement of a stimulus-funded project.*
- *Gross waste of stimulus funds.*
- *Danger to public health and safety related to a stimulus-funded project.*
- *Violation of the law relating to stimulus funds or a stimulus-funded project.*
- *Abuse of authority related to the implementation of stimulus funds.*

R

REMEDIES:

You have the right to receive remedies if the Office of Inspector General determines you were subjected to an unlawful reprisal. Your employer may be ordered to abate the reprisal, reinstate your employment, and you may receive compensation to reimburse you for your attorney fees and other financial suffering experienced as a result of the reprisal.

A

ALTERNATIVES:

You have the right to take action against your employer in civil district court if the Office of Inspector General does not respond within 210 days or determines that there was not an unlawful reprisal.

... **OIG HOTLINE** ...

www.oig.dot.gov/recovery/whistleblower_protections.jsp

Phone: 1-800-424-9071

Email: hotline@oig.dot.gov



**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A**

Contractor is to fully understand that the Lump Sum or Unit Price for all items shall include a sufficient allowance for the completion of all work for this project, including but not limited to, all profit and overhead, incidentals, bonding, all labor, supervision, testing, machinery, equipment, tools, materials, dewatering, (incidental dewatering trenches / temporary ditch), services, utility restraints, glands, straps, coordination with utility companies; clean up and other means of construction necessary to complete the described work. An electronic copy of this bid reply should be included in bid response.

COMPANY NAME:

SCHEDULE 1: STRUCTURE 8-01

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	55		\$ -
4	104-13-1	STAKED SILT FENCE	LF	395		\$ -
5	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
<i>Total for General Items</i>			-	-	-	\$ -
ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL)	CY	125		\$ -
8	400-1-2	CLASS 1 CONCRETE (ENDWALLS)	CY	25		\$ -
9	430-94-5	DESILTING PIPE (61" OR GREATER)	LF	464		\$ -
10	530-78	RIPRAP - ARTICULATING BLOCK	SY	183		\$ -
11	550-10-220	FENCING (TYPE 'B') (5.1'-6.0') (STANDARD)	LF	106		\$ -
12	999-99-998	MANATEE GRATE (ALUMINUM) (72" DIA OPENING)	EA	4		\$ -
13	999-99-999	MANATEE PROTECTION ACTIVITIES & SIGNAGE	LS	1		\$ -
<i>Total for Roadway and Drainage</i>			-	-	-	\$ -
PLANTING & GRASSING						
14	575-1	SODDING	SY	600		\$ -
15	599-999	IRRIGATION REPAIR ALLOWANCE	ALLOW	1	\$ 500.00	\$ 500.00
<i>Total for Planting and Grassing</i>			-	-	-	\$ 500.00
SCHEDULE 1 SUB-TOTAL						\$ 500.00

SCHEDULE 2: C-108 CANAL CLEARING & REGRADING

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	104-13-1	STAKED SILT FENCE	LF	4,250		\$ -
3	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
<i>Total for General Items</i>			-	-	-	\$ -
PLANTING & GRASSING						
4	575-1	SODDING	SY	7,000		\$ -
<i>Total for Planting and Grassing</i>			-	-	-	\$ -
SCHEDULE 2 SUB-TOTAL						\$ -

SCHEDULE 3: C-108 CANAL DETENTION AREA 1A

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	104-13-1	STAKED SILT FENCE	LF	1,255		\$ -
3	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
<i>Total for General Items</i>			-	-	-	\$ -
PLANTING & GRASSING						
4	575-1	SODDING	SY	150		\$ -
<i>Total for Planting and Grassing</i>			-	-	-	\$ -
SCHEDULE 3 SUB-TOTAL						\$ -

SCHEDULE 4: C-108 CANAL STRUCTURE 8-02

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	95		\$ -
4	104-13-1	STAKED SILT FENCE	LF	410		\$ -
5	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
<i>Total for General Items</i>			-	-	-	\$ -

**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A**

Contractor is to fully understand that the Lump Sum or Unit Price for all items shall include a sufficient allowance for the completion of all work for this project, including but not limited to, all profit and overhead, incidentals, bonding, all labor, supervision, testing, machinery, equipment, tools, materials, dewatering, (incidental dewatering trenches / temporary ditch), services, utility restraints, glands, straps, coordination with utility companies, clean up and other means of construction necessary to complete the described work. An electronic copy of this bid reply should be included in bid response.

ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL)	CY	100		\$
8	530-78	RIPRAP - ARTICULATING BLOCK	SY	1,281		\$
Total for Roadway and Drainage						\$

PLANTING & GRASSING						
9	575-1	SODDING	SY	400		\$
Total for Planting and Grassing						\$
SCHEDULE 4 SUB-TOTAL						

SCHEDULE 5: C-108 CANAL DETENTION AREA 2

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$
2	104-11	FLOATING TURBIDITY BARRIER	LF	280		\$
3	104-13-1	STAKED SILT FENCE	LF	1,380		\$
4	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$
Total for General Items						\$
PLANTING & GRASSING						
5	575-1	SODDING	SY	150		\$
Total for Planting and Grassing						\$
SCHEDULE 5 SUB-TOTAL						

SCHEDULE 6: C-108 CANAL DETENTION AREA 3

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$
2	104-11	FLOATING TURBIDITY BARRIER	LF	200		\$
3	104-13-1	STAKED SILT FENCE	LF	1,235		\$
4	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$
Total for General Items						\$
PLANTING & GRASSING						
5	575-1	SODDING	SY	150		\$
Total for Planting and Grassing						\$
SCHEDULE 6 SUB-TOTAL						

SCHEDULE 7: C-108 CANAL STRUCTURE B-06

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$
3	104-11	FLOATING TURBIDITY BARRIER	LF	120		\$
4	104-13-1	STAKED SILT FENCE	LF	475		\$
5	110-1-1	CLEARING & GRUBBING	LS	1		\$
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$
Total for General Items						\$
ROADWAY AND DRAINAGE						
7	120-5	CHANNEL EXCAVATION (ALLOWANCE)	CY	750		\$
8	524-2	CONCRETE SLOPE PAVEMENT (FABRIFORM REPAIR ALLOWANCE)	SY	100		\$
9	524-2-3	CONC. SLOPE PAVEMENT, NON-REINF. (5") (REPLACEMENT ALLOWANCE)	SY	150		\$
Total for Roadway and Drainage						\$
PLANTING & GRASSING						
10	575-1	SODDING	SY	280		\$
Total for Planting and Grassing						\$
SCHEDULE 7 SUB-TOTAL						

SCHEDULE 8: C-107 CANAL DRY DETENTION POND

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$
3	104-11	FLOATING TURBIDITY BARRIER	LF	105		\$
4	104-13-1	STAKED SILT FENCE	LF	1,850		\$

**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A**

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5	110-1-1	CLEARING & GRUBBING	LS	1		\$	-
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$	-
Total for General Items						\$	-

ROADWAY AND DRAINAGE							
7	120-1	EXCAVATION (CUT)					
8	425-1-521	TYPE 'C' INLET (=< 10')	CY	7,260		\$	-
9	425-1-551	TYPE 'E' INLET (=< 10') (INCLUDES WEIRS, WEIR GUARD, BAFFLE, ETC.)	EA	1		\$	-
10	430-175-124	24" REINFORCED CONCRETE PIPE	EA	2		\$	-
11	430-175-218	14"x 23" ELLIPTICAL REINFORCED CONCRETE PIPE	LF	68		\$	-
12	430-982-129	MITERED END SECTION (24")	LF	26		\$	-
13	430-982-625	MITERED END SECTION (14"x 23")	EA	1		\$	-
14	522-1	CONCRETE SIDEWALK, 6" THICK	EA	1		\$	-
15	524-2-3	CONCRETE SLOPE PAVEMENT, NON-REINFORCED (5")	SY	450		\$	-
Total for Roadway and Drainage						\$	-

PLANTING & GRASSING							
16	575-1	SODDING	SY	9,900		\$	-
Total for Planting and Grassing						\$	-

SCHEDULE 8 SUB-TOTAL

SCHEDULE 9 C-107 CANAL STRUCTURE 7-01

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL	
GENERAL ITEMS							
1	101-1	MOBILIZATION					
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$	
3	104-11	FLOATING TURBIDITY BARRIER	LS	1		\$	
4	104-13-1	STAKED SILT FENCE	LF	155		\$	
5	110-1-1	CLEARING & GRUBBING	LF	1,310		\$	
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$	
Total for General Items						\$	

ROADWAY AND DRAINAGE							
7	120-5	CHANNEL EXCAVATION					
8	430-175-118	18" HIGH DENSITY POLYETHYLENE PIPE	CY	2,500		\$	-
9	430-982-125	MITERED END SECTION (18")	LF	60		\$	-
10	430-94-3	DESILTING PIPE (37"- 48")	EA	4		\$	-
11	530-78	RIPRAP - ARTICULATING BLOCK	LF	688		\$	-
Total for Roadway and Drainage						\$	-

PLANTING & GRASSING							
12	575-1	SODDING	SY	200		\$	-
13	599-999	IRRIGATION REPAIR ALLOWANCE	ALLOW	1		\$	-
Total for Planting and Grassing						\$	-

SCHEDULE 9 SUB-TOTAL

SCHEDULE 10 C-104 CANAL STRUCTURE 4-03

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL	
GENERAL ITEMS							
1	101-1	MOBILIZATION					
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$	
3	104-11	FLOATING TURBIDITY BARRIER	LS	1		\$	
4	104-13-1	STAKED SILT FENCE	LF	145		\$	
5	110-1-1	CLEARING & GRUBBING	LF	950		\$	
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$	
Total for General Items						\$	

ROADWAY AND DRAINAGE							
7	120-5	CHANNEL EXCAVATION (ALLOWANCE)					
8	430-175-118	18" HIGH DENSITY POLYETHYLENE PIPE	CY	650		\$	-
9	430-982-125	MITERED END SECTION (18")	LF	20		\$	-
10	524-2-3	CONCRETE SLOPE PAVEMENT, NON-REINFORCED (5")	EA	.2		\$	-
Total for Roadway and Drainage						\$	-

PLANTING & GRASSING							
11	575-1	SODDING	SY	200		\$	-
Total for Planting and Grassing						\$	-

SCHEDULE 10 SUB-TOTAL

SCHEDULE 11 C-104 CANAL STRUCTURE 4-06B

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ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A.**

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LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	120		\$ -
4	104-13-1	STAKED SILT FENCE	LF	900		\$ -
5	110-1-1	CLEARING & GRUBBING (INCLUDES REGRADING)	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
<i>Total for General Items</i>						\$ -
ROADWAY AND DRAINAGE						
7	334-1-13A	SUPERPAVE ASPHALTIC CONCRETE (SP-9.5) (1" THICK) (ADDITIONAL OVERLAY)	SY	448		\$ -
8	327-70-1	MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)	SY	40		\$ -
9	430-175-224	19" X30" ELLIPTICAL REINFORCED CONCRETE PIPE (INCL PAVT RESTORATION)	LF	92		\$ -
10	430-175-242	34" X 53" ELLIPTICAL REINFORCED CONCRETE PIPE	LF	32		\$ -
11	430-982-627	MITERED END SECTION (19" X30")	EA	4		\$ -
12	430-982-640	MITERED END SECTION (34" X 53")	EA	2		\$ -
13	530-78	RIPRAP - ARTICULATING BLOCK	SY	64		\$ -
<i>Total for Roadway and Drainage</i>						\$ -
PLANTING & GRASSING						
14	575-1	SODDING	SY	825		\$ -
<i>Total for Planting and Grassing</i>						\$ -
SCHEDULE 11 SUB-TOTAL						\$ -

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
SCHEDULE 12: C-104 CANAL PIPE 4'-05"						
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	143		\$ -
4	104-13-1	STAKED SILT FENCE	LF	662		\$ -
5	110-1-1	CLEARING & GRUBBING	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
<i>Total for General Items</i>						\$ -
ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL) (ALLOWANCE)	CY	100		\$ -
8	400-2-2	CLASS II CONCRETE (ENDWALLS)	CY	50		\$ -
9	415-1-1	REINFORCING STEEL (ENDWALLS)	LB	2,900		\$ -
10	430-175-160	60" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	460		\$ -
11	536-73	GUARDRAIL REMOVAL (INCLUDES SALVAGE & DELIVERY TO CITY)	LF	428		\$ -
<i>Total for Roadway and Drainage</i>						\$ -
PLANTING & GRASSING						
12	575-1	SODDING	SY	820		\$ -
<i>Total for Planting and Grassing</i>						\$ -
SCHEDULE 12 SUB-TOTAL						\$ -

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
SCHEDULE 13: C-105 CANAL PIPE 5'-09"						
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	112		\$ -
4	104-13-1	STAKED SILT FENCE	LF	558		\$ -
5	110-1-1	CLEARING & GRUBBING	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
<i>Total for General Items</i>						\$ -
ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL)	CY	200		\$ -
8	334-1-13A	SUPERPAVE ASPHALTIC CONC. (TRAFFIC C) (1" THICK) (ADDITIONAL OVERLAY)	SY	250		\$ -
9	400-1-2	CLASS I CONCRETE (ENDWALLS)	CY	42.0		\$ -
10	425-1-581	INLET (DITCH BOTTOM TYPE H) (<=10')	EA	1		\$ -
11	430-175-154	54" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	931		\$ -
<i>Total for Roadway and Drainage</i>						\$ -
PLANTING & GRASSING						

**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A**

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12	575-1	SODDING							
			Total for Planting and Grassing	SY	1,000			\$	-

SCHEDULE 13 SUB-TOTAL

SCHEDULE 14 C-106 CANAL PIPE 6-13

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
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GENERAL ITEMS

1	101-1	MOBILIZATION				
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LS	1		\$ -
4	104-13-1	STAKED SILT FENCE	LF	135		\$ -
5	110-1-1	CLEARING & GRUBBING	LF	375		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
			LS	1		\$ -
			Total for General Items			\$ -

ROADWAY AND DRAINAGE

7	120-6	EMBANKMENT (FILL)				
8	400-1-2	CLASS I CONCRETE (ENDWALLS)	CY	100		\$ -
9	430-175-154	54" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	CY	32		\$ -
			LF	132		\$ -
			Total for Roadway and Drainage			\$ -

PLANTING & GRASSING

10	575-1	SODDING					
			Total for Planting and Grassing	SY	230		\$ -

SCHEDULE 14 SUB-TOTAL

SCHEDULE 15 C-106 CANAL PIPE 6-09

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
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GENERAL ITEMS

1	101-1	MOBILIZATION				
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LS	1		\$ -
4	104-13-1	STAKED SILT FENCE	LF	135		\$ -
5	110-1-1	CLEARING & GRUBBING	LF	375		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
			LS	1		\$ -
			Total for General Items			\$ -

ROADWAY AND DRAINAGE

7	120-6	EMBANKMENT (FILL)				
8	400-1-2	CLASS I CONCRETE (ENDWALLS)	CY	150		\$ -
9	430-175-124	24" HIGH DENSITY POLYETHYLENE PIPE	CY	38		\$ -
10	430-175-154	54" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	60		\$ -
11	430-982-129	MITERED END SECTION (24")	LF	234		\$ -
			EA	4		\$ -
			Total for Roadway and Drainage			\$ -

PLANTING & GRASSING

12	575-1	SODDING					
			Total for Planting and Grassing	SY	640		\$ -

SCHEDULE 15 SUB-TOTAL

SCHEDULE 16 C-107 CANAL PIPE 7-06

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
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GENERAL ITEMS

1	101-1	MOBILIZATION				
2	102-1	MAINTENANCE OF TRAFFIC	LS	.1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LS	1		\$ -
4	104-13-1	STAKED SILT FENCE	LF	130		\$ -
5	110-1-1	CLEARING & GRUBBING	LF	400		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
			LS	1		\$ -
			Total for General Items			\$ -

ROADWAY AND DRAINAGE

7	120-6	EMBANKMENT (FILL)				
8	400-2-2	CLASS II CONCRETE (ENDWALLS)	CY	100		\$ -
9	415-1-1	REINFORCING STEEL (ENDWALLS)	CY	38		\$ -
10	430-175-166	66" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LB	3,284		\$ -
11	536-73	GUARDRAIL REMOVAL (INCLUDES SALVAGE & DELIVERY TO CITY)	LF	258		\$ -
			LF	277		\$ -
			Total for Roadway and Drainage			\$ -

PLANTING & GRASSING

**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A**

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11	575-1	SODDING						
			<i>Total for Planting and Grassing</i>	SY	370		\$	-
			SCHEDULE 16 SUB-TOTAL				\$	-
			SUMMARY					
BID SCHEDULE								
SCHEDULE 1 SUB-TOTAL								
SCHEDULE 2 SUB-TOTAL							\$	500.00
SCHEDULE 3 SUB-TOTAL							\$	-
SCHEDULE 4 SUB-TOTAL							\$	-
SCHEDULE 5 SUB-TOTAL							\$	-
SCHEDULE 6 SUB-TOTAL							\$	-
SCHEDULE 7 SUB-TOTAL							\$	-
SCHEDULE 8 SUB-TOTAL							\$	-
SCHEDULE 9 SUB-TOTAL							\$	-
SCHEDULE 10 SUB-TOTAL							\$	-
SCHEDULE 11 SUB-TOTAL							\$	-
SCHEDULE 12 SUB-TOTAL							\$	-
SCHEDULE 13 SUB-TOTAL							\$	-
SCHEDULE 14 SUB-TOTAL							\$	-
SCHEDULE 15 SUB-TOTAL							\$	-
SCHEDULE 16 SUB-TOTAL							\$	-
Indemnification Fee							\$	-
							\$	10.00

BID TOTAL Schedule A \$ 510.00

(Amount to be entered on Schedule A Line in Bid Reply)

BID ADDENDUM # 1

BID # 20120008

Addendum Date: January 9, 2012

St. Lucie North Drainage Basin Improvements

Please make the following **changes/modifications** to the subject bid:

1. The second paragraph, page 28 of the Bid document, Section V, Indemnification/Insurance in the "Sample Contract" has been revised and is to read as follows in this bid document as well as final contract after award:

Except as to Workers' Compensation and Employers' Liability, said Certificate(s) and policies shall clearly state that coverage required by the Contract has been endorsed to include the City of Port St. Lucie, a political subdivision of the State of Florida, its officers, agents and employees as Additional Insured with a CG 2026-Designated Person or Organization endorsement, or similar endorsement, added to its Commercial General Liability policy and Business Auto policy. The name for the Additional Insured endorsement issued by the insurer shall read "**City of Port St. Lucie, political subdivision of the State of Florida, its officers, employees and agents, and Contract #20120008 for the St. Lucie North Drainage Basin Improvements**" shall be listed as additionally insured. ~~Said policies shall be specifically endorsed to provide thirty (30) days written notice to the City prior to any adverse changes, cancellation, or non-renewal of coverage thereunder.~~ Said liability insurance must be acceptable by and approved by the City as to form and types of coverage. In the event that the statutory liability of the City is amended during the term of this Contract to exceed the above limits, the Contractor shall be required, upon thirty - (30) days written notice by the City, to provide coverage at least equal to the amended statutory limit of liability of the City. Copies of the Additional Insured endorsements including Completed Operations coverage should be attached to the Certificate of Insurance. All independent contractors and subcontractors utilized in this project must furnish a Certificate of Insurance to the City in accordance with the same requirements set forth herein.

2. Page 5 of 54, Overview, first paragraph and Page 13 of 54, Sec. 3.3, calendar days have been revised as follows:

OVERVIEW

The City of Port St. Lucie desires to obtain quotations from qualified contractors, individuals, firms, and legal entities relative to the construction of the St. Lucie North Drainage Basin Improvements in the City of Port St. Lucie. The Contract period will be based on the approved and accepted Contractor's proposal, within 240 calendar days, without any renewal options. This project is funded partially by a FEMA grant with the City sharing in the cost.

AND

3.3 Scope of Work - This project involves drainage improvements to the C-104, C-105, C-106, C-107, C-108 canals and associated tributaries. Upgrades include, but not limited to, cross-street pipe replacements, associated drainage structure replacement, clearing and grubbing of canal slopes, restoration and sodding of slopes, nuisance and exotic vegetation

removal, building of a storm water treatment pond, placement of articulated concrete mats and rip-rap, water control structure upgrades, canal cleaning and sidewalk installation. All work will be performed in accordance with NPDES, SFWMD, FDOT, and City of Port St. Lucie standards and criteria. The Contract period will be ~~240~~ calendar days (*or adjusted to awarded bid if less*) with no option for renewal.

3. Correction/deletion on Page 52 of 54, removal of EWIP reference in Attachment E information:

***EWIP Stormwater Retrofit
City of Port St. Lucie, Florida***

4. Changes in Exhibit A: General Requirements

Pg. 25, first paragraph reference to "Department" should be "City"

Pg. 28, #13 "Department" should be "City"

Pg. 45, #8.9, Salvageable Items, delete "(including fill)" from sentence.

NOTE: The bid opening date is **unchanged**.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her/their bid accepted.

BID ADDENDUM # 2
BID # 20120008
Addendum Date: January 13, 2012
St. Lucie North Drainage Basin Improvements

Please make the following **changes/modifications** to the subject bid:

1. ALL REFERENCE TO THE DAVIS BACON ACT, WAGES, REQUIREMENTS ARE BEING REMOVED FROM THIS BID DOCUMENT AND PROJECT. This includes Attachment "C" and Attachment "F" as well as all verbiage within the Bid document, specifications, sample contract, and any other reference or stated requirement of DBA.

2. Quantities of materials are listed in the Excel Bid Reply Sheet, Schedule "A".

NOTE: The bid opening date is **unchanged**.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her/their bid accepted.

BID ADDENDUM #3

BID # 20120008

Addendum Date: January 20, 2012

St. Lucie North Drainage Basin Improvements

Pre-Bid Conference information:

AGENDA for Pre-Bid Conference

SBid #20120008 St. Lucie North Drainage Basin Improvements January 17, 2012 at 10:00 A.M.

1. Sign-In Sheet
2. This meeting is being recorded for record purposes. Information from this pre-bid meeting will be put on DemandStar in the form of a Bid Addendum for all interested bidders to have the same information.
3. Introduction of key personnel:
Robyn Holder for Barb Moquin, OMB Contract Specialist
Larry Nadeau, Project Manager, Grant Administration (that is grant not great although he has been referred to as great).
James Angstadt, PE Engineering Department
Joseph Capra, PE Captec Engineering
3. **Reminder:** Bid opening date is FEBRUARY 2, 2012 AT 3:00 PM.
No Bid will be accepted after that date and time. Any Bid received late will be returned unopened.
4. Highlights of Bid Document and Project:
 - This is a grant funded project so be sure to read all of special requirements within the bid document.
 - There are currently two Bid Addenda: #1 revises insurance language, edited number of calendar days allowed for project (240); delete reference to wrong project in Attachment E and, referenced change from Département to City in General Requirements. #2 is the removal of the Davis Bacon Act requirements and all references to DBA in documents.
 - Bidders are required to read and accept the City's Standard Contract.
 - Bidders are to understand the insurance requirements for this project.
 - Bonding: **Bid Bond** -- A bid bond is required when submitting a bid response. This will be in certified funds or from a surety -- no company or personal checks will be accepted. **Payment & Performance Bond** -- Payment & Performance bonding will be expected from the awarded Contractor so please be sure this cost is taken into account when completing the Excel Bid Reply Sheet, Schedule "A".
 - This is NOT an e-bid. One original bid packet and three (3) hard copies are to be submitted along with one electronic copy of the Excel Bid Reply spreadsheet.
 - Include five (5) reference sheets with proper contact information (fax & phone numbers).
 - The last day for questions will be January 26, 2012 due to the time needed to present all information to all potential bidders. Questions are to be directed to Barb Moquin in writing by this date.
5. Turn over to: Larry Nadeau for details of this project.
6. Questions from Prospective Bidders.
7. Adjourn.

MINUTES OF ACTUAL PRE-BID MEETING

St. Lucie North Drainage Improvements, SB 20120008-BM January 17, 2012, 10:00 a.m.

Attendees:

Robyn Holder, OMB

Vickie Smith, OMB

Larry Nadeau, City of PSL

Joe Capra, CAPTEC

Steve Marquart, CAPTEC

Mel Bush, Mel Bush, Construction

Márcelo Dimitriou, C&T

Brian Wimberly, Gibbs & Register

Pat Sumneral Woods and Wetlands, INC

Chrissy Hensel, Earth Balance

Larry Roof, Ranger Construction

Chris Brown, Harddrives of Delray

Eric McKendree, MWI Pumps

John Pluswick, Dickerson FL

Kristina Berryman, Nutting Engineers of Florida

Joe Guttuso, Arbor Tree and Land (aka ATL Diversified)

James Tilli, Lanzo Construction Industries

Larry E. Emig, Blazer

Robyn Holder standing in at this meeting for Barb Moquin who is the contract specialist assigned to this project.

- Larry Nadeau is the project manager and the meeting will be turned over to him.
- Bid opening is February 2 at 3:00pm. No bids will be accepted after that.
- It is a grant funded project so please make sure you are aware of all the requirements associated with the grant. There has already been two bid addendums issued, one revising the insurance language and editing the number of calendar days for the project, which is now at 240 calendar days.
- Bidders are required to read and accept the City standard contract. We are requesting a bid bond on this project. So please make sure that you are aware of that and we will not accept your bid if we do not have a bid bond. It will be deemed non responsive.
- A Payment and Performance Bond will be required for this project from the awarded contractor. Please make sure that you are aware of the bonding requirements.

- This is not an E-bid, so we will be requiring one original bid package with three hard copies of bid package and one electronic copy of the Excel Spreadsheet, Schedule A, on a disc.
- We are asking for five (5) references for the project.
- The last day for questions is January 26, 2012. Make sure you have all your questions submitted in writing to Barb Moquin, and if she is still out, then address them to me. I will provide you with my email address whenever you call in.

Turned meeting over to Larry Nadeau - he went over the standards/specifications of the project.

Larry Nadeau, City: With us we have CAPTEC staff, the design engineers. They're here to answer any technical questions you may have. But, for the most part, we have several projects within this project, as you can tell, within a large area that are pretty well identified and scattered. They involve C104, 105, 106, 107, 108. There will be some canal cleaning, some selective clearing, slope stabilization, hardening of slopes, cross street culvert replacement, ACB (articulated concrete block) mats to be placed, shoveling, removal as well as some concrete work. Concrete work is pretty much around the C108 where we're elevating the head wall to allow better stabilization for the road, for the sidewalk, at some later point. Pretty much it's kind of a clear type of work. I believe everybody that's here has done this type of work in the past, but we are looking to make sure that the ACB mats have the proper installation. I think, Joe, I'll let you allude to the fabric requirement, you want to touch upon that?

Joe Capra-CAPTEC: Well, there are notes on the plans - we just want to make sure that everybody recognizes there is a soils recommendation, soils that you'll have to take and your guys will actually make a recommendation on the fabric and everything to us. Somewhat like a design/build but basically we just want you to note that if it's not in the plans it will be in the addendum - but it's basically right around the installation of the articulating concrete block mats, notes, and so forth. We want to make sure that you recognize that there is some research you have to do, in the specific area where these mats go, to get the right fabric to put under the blocks. So that is in the specs that you'll see. I think it's important, a couple of items. There are comments on here that Public Works Staff will quote on access agreements for pipe replacement. Obviously, those things you'll be working with the City - with that, and obviously as restoration is concerned, about fences and things like that, you'll be working with PW staff on that. I just wanted you to note that the project narrows there. One other item was that the surveying was done by the City, so you have to do your own survey, and so forth. But the existing survey was provided by the City on the plans. Everything is NABD, make sure you recognize that. I think everything is pretty clear relative to the work that we know that you're doing at the road crossings. Obviously there's always certain unknown's on utility crossing. You are required to go out there and pothole at least ten (10) days before you actually do the work, so that if there is a problem we can make some adjustments and get the project built in a timely manner. That's something that's also called on in the notes. Other than that, you're working around residential properties and, obviously, you have to be careful with making sure everything is safe, under control. On Macedo Blvd we are going to add an alternative to replacement of fiber form with 1500 square yards of ACB mats.

Steve Marquart-CAPTEC: There's an existing fiber form mat there and since we are doing the work and preparing things, they have gone in there with the bridge engineer and looked through it and we're not sure if the fiber forms are in great condition but just repair it, so we're also going to do a bid alternate to remove that fiber form and replace it with 1550 square yards of ACB Mats. Just as a contingency.

Larry Nadeau-City: Since the design, we've got a new bridge report which delineates some scouring between Piles 3.1 and 3.3. They identify a severe scour. However, there is a concrete grout repair to the fariform in that area, so it behooves us to clean real good. Once we've got it clean we'll make the evaluation on whether or not grout will suffice the repair or we have an alternative method, which would be ACB mats, to be determined. But that's why we're throwing that in as an alternate bid item.

Larry Nadeau - ACB - Articulated Concrete Block Mats. Selvitz Road - there is some minor sidewalk work alongside of the site, if you look at those sheets, there's a retention system being placed. We're rerouting some sidewalks - sidewalks are being used by children so we've got to make sure that you exercise care and always provide access for pedestrians. There will be neighborhood meetings being held in the next three or four weeks. Once we have our CEI Staff on board, we'll alert residents that this contract is being bid - and that there will be some activity. So that there won't be any surprises. However, it is your responsibility to make sure that you do not encroach on any private property without resident approval or consent. Most residents are fairly reasonable but always have a piece of paper to back yourself up. But, again, we'll try to broach that with the residents. There may be a point in time where the contractor may want to discuss vacant lot access or use or whatever, but, you are required to at least get some sort of clearance before you step foot onto private property. The pavement restoration - I think it's pretty much standard stuff, everybody's done it before. We're looking to have the pavement restored in time and equal to or better. I think we've got sections in the plans that delineate that. Water control structures - I think, Joe, do you want to talk about the wing wall extensions any?

Joe Capra - Just note that, first of all, on the sheet of the plans, I don't know if any of you've got the plans or not, but basically on Sheet 3, it shows that there's a wing wall extension, and eventually, you understand, that's on all four corners and there is a detail in the plans that talks about how to do that, and just make sure. It's on Sheet 21, typical section of head wall east side of St. James, but basically both sides of the wall, both ends of the wall get extensions and some of them get raised, so you need to make sure that you follow the detail that's shown on Sheet 21. The other item that I will point out to you as we kind of add into, probably another detail that'll come in on page 23 we talk about the ACB mats and the tie-in to adjacent concrete. You'll want to make sure you realize there's a concrete tie-in detail there. We'll probably give you another alternative to that just to consider, but, I want to make sure you

know about that tie-in, some considered Section 8A of that sheet 23, where the mat butts up against the head wall over. Anything else Steve?

Steve Marquart – On every one of the plan sheets it's noted to locate the utilities prior to starting work. I would recommend you plan to pothole ten (10) days prior to work starting, so if there's any issues we find something that's a different elevation, a little snafu, we can work with, and not slow you down, keep you moving. If we have to adjust something, we'll certainly help you.

Larry Nadeau – Going back to the C108, that's where the head wall or something we tap into it. Downstream of C108 is tidal so you have to comply with Manatee Zone requirements. That means having spotters out there, keeping an eye on things, making sure that you don't have any activity. If you do see any activity, you know the regs - you've got to stop and you've got to allow these creatures to do what they gotta do and, hopefully, they move out in short order. But, it's serious so keep an eye on that one outfall. Other than that, going around the room for your questions is the best, so, we'll open it up to you.

Q: Is it Federal Funding? A: Yes, it's FEMA funded, but we contract directly with the state.

Q: So you don't need to get certified payroll or anything? A: No. Davis Bacon is exempt because we have an agreement directly with the state. (this was previously stated in Bid Addendum 2)

Q: What is the engineer estimate? A: Two million, I believe.

Q: It sounds like we're doing the testing. Is the contractor doing the testing? We have to get the material, test the soil... Are we doing in house testing or is it also...? A: The Geotech is going to be covered through the CEI.

Q: The only testing that we have to do is the soil that goes in the Geo Mats? A: Just for selection of the filter fabric, make sure that the system you guys install, the manufacturers okay with it and you guys can stand behind it.

Q: You mention the surveying, is the contractor going to be doing the as-builts or is the City? A: Yes.

Q: The contractor? A: Then you do your construction later as well.

Note: The reason I brought that up is because it states on the drawings that the City basically provides survey. Just want you to know... Initially you have to provide surveys.

Q: Is it a unit price bid? A: There's lumps, there's variation, more unit then lump. Yes unit price bid.

Q: You said CEI is hiring the testing company? A: Correct.

Q: You've got a bunch of schedules, different locations on the bid form. Is it the intention to award all or are you looking, if we are above a number, are you looking to break out some of the schedules? Or is it all or nothing?

A: We have a specific amount of money that's been awarded to us and we can't really exceed that too much, if you know what I mean. So the schedule basically - if the bids come in exorbitantly high for whatever reason and there's one schedule that could bring it within budget, we might consider it, but we might consider dropping ACB mats or some clearing or whatever, based on what we have. But the intent is to do it all (one awarded contractor).

Joe Capra – I don't know if Larry brought this up, but obviously our intent is, when you go into an area you do all the work on that area, complete it. You don't want to expose, obviously, an erosion control issue and everything else along with that, complete the work on that area.

Larry Nadeau – Everybody knows there is some selective clearing, right? Everyone understands that? We do have some wetlands that we are going to walk very diligently through.

Q: Are those open to the public? Can we get in there? A: Yes. You can pretty much drive alongside most of those canals, without too much of a problem. Couple areas I'd be careful of, it's wet, so if you see some wetness come through the backside, plenty of ways to get in and out.

Note: Keep in mind any state and federal requirements pertaining to wetlands.

Robyn Holder – If no one else has any other questions, please make sure that you have signed in on the sign-in sheet before you leave. We will be posting that online at some point and if you do have any other questions that you think of after this meeting, please submit those in writing to us either Barb Moquin or myself, and I'll make sure she gets them, or I'll read them if she's not in. Then we can make sure we answer your questions. This meeting will be posted as a bid addendum so you will be required to acknowledge that as well as the other two bid addendums that have already been issued. No other questions? (none)

Meeting Adjourned.

NOTE: The bid opening date is unchanged.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her/their bid accepted.

BID ADDENDUM # 5
BID # 20120008 Addendum Date: January 27, 2012
St. Lucie North Drainage Basin Improvements

Please make the following **changes/modifications** to the subject bid:

BID OPENING HAS BEEN CHANGED TO THURSDAY, FEBRUARY 9, 2012 AT 3:00 P.M. – due to additional questions regarding specifications for this project.

QUESTIONS AND ANSWERS:

Regarding the above referenced project:

Q 1: Sheet 15 references Index 251 for the endwalls however there are 5 pipes and Index 251 is for one or two pipes and does not address the skew angle. Will the Engineer be providing design drawings? How was the quantity of 55 CY determined and is this quantity guaranteed for payment?

A 1: The contractor shall prepare and submit endwall shop drawings for approval. The Index is quoted as an example to provide the required spacing between adjacent pipes for two or more pipes on endwall installations. The provided quantity is an estimate and actual quantities will be based on the contractor's shop drawings.

Q 2: Sheet 19 references Index 252 for the endwalls however there are 3 pipes and Index 252 is for one or two pipes and does not address the skew angle. Will the Engineer be providing design drawings? How was the quantity of 45 CY determined and is this quantity guaranteed for payment?

A 2: The contractor shall prepare and submit endwall shop drawings for approval. The Index is quoted as an example to provide the required spacing between adjacent pipes for two or more pipes on endwall installations. The provided quantity is an estimate and actual quantities will be based on the contractor's shop drawings.

Q 3: Regarding the above referenced project, are there any canal flow rates available?

A 3: Available flow rates are provided in the SFWMD permit. Any additional information is not required to perform the work. Hydraulic capacity will be restored once the exotic vegetation and MINOR shoaling has been removed. The CITY can approve use of line items from other schedules if needed for additional work.

Q 4: There is a detail on Sheet 21 for a baffle, however it is unclear if and where baffles are required. Can you please clarify if baffles are required, and if so, on which structures?

A 4: The baffle detail is for Control Structure CS-1 (only) that is part of the C-107 Canal Dry Detention Pond improvement as shown on sheet 11 of the plans.

Q 5: Can the multiple pipe endwalls be precast in pieces or do they have to be poured in place?

A 5: Each endwall must be a single unit whether it is poured in place or precast. Multiple castings (pieces) for one endwall will not be allowed.

Q 6: Schedule 1, line item 11, Fencing (Type B)(5.1-6.0')(Standard). Can you clarify galvanized or green/black vinyl coated?

A 6: Galvanized.

Q 7: Schedule 1, line item 8, Class I Concrete (Endwalls) is on the bid tab, however the Sheet 3 of the plans reference Index 253 which requires Class II. Please advise which is correct.

A 7: Index 253 and Class II is correct, however the reinforcing steel costs shall be included in the CY price for this item.

Q 8: Several of the sheets reference regrading of the canal to original cross section and grade, however the original cross sections and grades are not shown. Will these be provided so we can calculate the earthwork (export) quantities and in order to perform the work?

A 8: No, original sections are not available. The contractor's pre-work and post-work surveys will be used to calculate the earthwork volumes. The pre-work survey will be performed after clearing & grubbing and exotic vegetation removal is complete so that regrading areas can be identified.

Q 9: On Sheet 5 there is a section of the C-108 Canal that crosses the southern section of the wetland on Sheet 6. The plans state to restore hydraulic capacity to an area that appears to be part of the wetland and never graded to a particular canal cross-section. Additionally there is no Excavation pay item in this Schedule. Should this area be excavated and graded, cleared of exotics and left as is or hand cleared as if part of the wetland and left as is? Please clarify.

A 9: The work for this improvement entails exotic vegetation removal and minor side slope regrading where needed to repair exotic removal damage. No sodding will be performed within wetland limits. The CITY can approve use of line items from other schedules if needed for additional work.

Q 10: During a site visit it was observed that the existing spillway shown on Sheet 6 has significant undermining and settlement. Is this to be repaired?

A 10: No; this work can be added during construction if directed by CITY. The CITY can approve use of line items from other schedules if needed for additional work.

Q 11: Schedule 4 - C-108 Canal Structure 8-02 (Sheet 7) there is existing revetment under the bridge which is not shown or referenced in the plans. Is this to be left in place and tied into, or removed and replaced?

A 11: The Bidder shall prepare his proposal to consider that the existing revetment shall be left in place and tied into. CITY and CEI Engineer will review the existing conditions during construction (after this area is uncovered) and an adjustment will be made if warranted. The adjustment may require removal of the existing revetment and installation of the ACB mats to form a continuous revetment under the bridge using the specified mat quantities.

Q 12: On sheet 24 of the plans, under "Paving Restoration Detail", on note 5. It indicates the use of 3000psi concrete and #5 rebars, where clearance between bottom of slab and TOP is less than 7-inches:

- a) Do you know if this condition already exist on any of the locations?*
- b) Could you please provide existing invert elevations, so we can determine if this note will be applied on any of the locations? If not, could you add line item to cover for this expence, in the event it is needed?*

A 12: The contractor is required to pothole all utilities at least 10 days prior to construction due to the fact that exact invert elevations and locations of existing utilities are unknown. A utility adjustment allowance has been added for each improvement where this condition may exist in the revised bid reply form provided in **Addendum #4**.

Q 13: Regarding the above referenced project, under Schedule 9, Line item 13 there is a line item for Irrigation Repair Allowance with no dollar value provided as in Schedule 1, Line item 15. Will the Engineer be providing a dollar value for this allowance?

A 13: NOTE: ALL ALLOWANCES FOR THIS PROJECT HAVE BEEN ENTERED IN THE REVISED BID REPLY SHEET, SCHEDULE A AMOUNTS, AS ADDENDUM #4 TO THIS BID DOCUMENT.

NOTE: The bid opening date has changed to Thursday, February 9, 2012 at 3:00 P.M.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her/their bid accepted.

BID ADDENDUM #6

BID # 20120008 Addendum Date: February 6, 2012
St. Lucie North Drainage Basin Improvements

Please make the following **changes/modifications** to the subject bid:

QUESTIONS AND ANSWERS:

Regarding the above referenced project:

Q1. On several plan sheets, the City is requesting to remove exotic vegetation. We assume this are the exotic vegetation you are referring to: Air Potato (*Dioscorea bulbifera*), Australian Pine (*Casurina* spp.), Brazilian Pepper (*Schinus terebinthifolius*), Catclaw Mimosa (*Mimosa pigra*), Carrotwood (*Cupaniopsis Anacardioides*), Climbing Fern (*Lygodium* spp.), Downey Rosemyrtle (*Rhodomyrtus tomentosus*), Earleaf Acacia (*Acacia auriculiformis*), Java Plum (*Syzygium cumini*), Lather Leaf (*Colubrina asiatica*), Melaleuca (*Melaleuca quinquenervia*), Woman's Tongue (*Albizia lebbek*). All of these species requires the roots to be removed, thus some stumps are to be grinder. How would you propose the stumps to be removed by hand?

A1. All areas must be selective cleared by hand where noted (per the SFWMD and/or ACOE permit requirements). The City desires the vegetation to be cut very close to existing ground level and the stumps treated with approved herbicide.

Q2. What would it be consider a good procedure to repair fabri-forms? We assume that cutting the existing fabri-form, and "tuck-in" under the existing is an acceptable practice.

A2. The City will allow coring of the existing Fabriform and filling the voids with grout; or removing the broken, collapsed areas, back filling with grout (or concrete) and installing a Fabriform patch or concrete slope pavement according to FDOT standard specs. The unit prices are requested for allowance bid items and the City will authorize installation based on the requirements of the bid documents.

Q3. On many of the plan sheets, it is require to re-grade the canal to its original cross section. Could you please provide original cross section?

A3. Original sections are not available. The contractor's pre-work and post-work surveys will be used to calculate the earthwork volumes. The pre-work survey will be performed after clearing & grubbing and exotic vegetation removal is complete so that regrading areas can be identified.

Q4. On sheet 13 of the plans. Could you please provide dimensions and/or limits of the fabri-form repair?

A4. The Fabriform repair area limits will be determined in the field by the City, CEI Engineer and Contractor. The required quantities will be adjusted to the actual need and based on the Contractor's unit bid price for the respective items. The CITY can approve use of line items from other schedules if needed for additional work.

Q5. On sheet 13 of the plans. "Remove and replace 20LF of HDPE..." We measure the distance from the headwall to the end of pipe and it was approximately 45 feet. Is your intention to reshape the swale and install only 20LF of pipe?

A5. Mitered End Sections (MES) must be installed according to the FDOT standard specs and a specific length of pipe is to be included in the bid price according to the design standards (typically 7 or 8 feet at each MES). The pipe-length callout is in addition to the MES pipe lengths.

Q6. On sheet 14 of the plans. We found from our site visit that the existing outfall pipe is undermined and probably collapsing, which indicates inadequate conditions for the proposed metered end section. How will you propose the new structure be supported. Is there any provisions on soil under this particular structure?

A6. *The City, CEI Engineer and Contractor will review this in the field and the quantities will be adjusted as needed to complete the work. The CITY can approve use of line items from other schedules if needed for additional work.*

Q7. On sheet 15 of the plans. It indicates that the guardrail needs to be removed. We assume that no replacement will be necessary. Please confirm.

A7. *Correct, the replacement culverts have been sized to place the headwalls outside of the clear zone and the guardrails must be removed and delivered to the City as noted in the bid docs.*

Q8. On sheet 5 of the plans. It indicates to clear selective exotic vegetation on the south side of the C-108 Canal. How would you propose to do such removal without accessing private property?

A8. *Some Contractors have used a barge to provide access for this type of work, while others have used pedestrian access to cut and haul/drag the vegetation to the nearest staging area (to be determined by the Contractor) within a public or drainage right of way.*

NOTE: The bid opening date is Thursday, February 9, 2012 at 3:00 P.M.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her/their bid accepted.

BID ADDENDUM #7
SEALED BID # 20120008 Addendum Date: February 9, 2012
St. Lucie North Drainage Basin Improvements

Please make the following **changes/modifications** to the subject bid:

The bid opening date for this Sealed Bid #20120008 has been changed to Tuesday, February 14, 2012 at 3:00 p.m. due to error in bid reply sheet calculations. A second revision will be issued for this bid.

Instructions to Bidder:

Each bidder must acknowledge receipt of any addenda on the Bid Reply Sheet in order to have his/her/their bid accepted.

**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet Schedule A**

Contractor is to fully understand that the Lump Sum or Unit Price for all items shall include a sufficient allowance for the completion of all work for this project, including but not limited to, all profit and overhead, incidentals, bonding, all labor, supervision, testing, machinery, equipment, tools, materials, dewatering, (incidental dewatering, trenches / temporary ditch), services, utility restraints, glands, straps, coordination with utility companies, clean up and other means of construction necessary to complete the described work. An electronic copy of this bid reply should be included in bid response.

COMPANY NAME: _____

SCHEDULE 1: STRUCTURE 8-01

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	55		\$ -
4	104-13-1	STAKED SILT FENCE	LF	395		\$ -
5	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
		<i>Total for General Items</i>				\$ -
ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL)	CY	400		\$ -
8	400-1-2	CLASS 1 CONCRETE (ENDWALLS)	CY	33		\$ -
9	430-94-5	DESILTING PIPE (61" OR GREATER)	LF	464		\$ -
10	530-78	RIPRAP - ARTICULATING BLOCK	SY	200		\$ -
11	550-10-220	FENCING (TYPE "B") (5'-6.0") (STANDARD) (Remove/Replace)	LF	81		\$ -
12	999-99-998	MANATEE GRATE (ALUMINUM) (72" DIA OPENING)	EA	4		\$ -
13	999-99-999	MANATEE PROTECTION ACTIVITIES & SIGNAGE	LS	1		\$ -
		<i>Total for Roadway and Drainage</i>				\$ -
PLANTING & GRASSING						
14	575-1	SODDING	SY	600		\$ -
15	599-999	IRRIGATION REPAIR ALLOWANCE	ALLOW	1	\$ 1,500.00	\$ 1,500.00
		<i>Total for Planting and Grassing</i>				\$ 1,500.00
		SCHEDULE 1 SUB-TOTAL				\$ 1,500.00

SCHEDULE 2: C-108 CANAL CLEARING & REGRADING

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	104-13-1	STAKED SILT FENCE	LF	4,250		\$ -
3	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
		<i>Total for General Items</i>				\$ -
PLANTING & GRASSING						
4	575-1	SODDING	SY	7,000		\$ -
		<i>Total for Planting and Grassing</i>				\$ -
		SCHEDULE 2 SUB-TOTAL				\$ -

SCHEDULE 3: C-108 CANAL DETENTION AREA 1

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	104-13-1	STAKED SILT FENCE	LF	1,195		\$ -
3	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
		<i>Total for General Items</i>				\$ -
PLANTING & GRASSING						
4	120-6	EMBANKMENT (FILL)	CY	50		\$ -
5	575-1	SODDING	SY	500		\$ -
		<i>Total for Planting and Grassing</i>				\$ -
		SCHEDULE 3 SUB-TOTAL				\$ -

SCHEDULE 4: C-108 CANAL STRUCTURE 8-02

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	95		\$ -
4	104-13-1	STAKED SILT FENCE	LF	410		\$ -
5	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -

CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A

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6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$	-
<i>Total for General Items</i>			--	--	--	\$	-

ROADWAY AND DRAINAGE

7	120-6	EMBANKMENT (FILL)	CY	100		\$	-
8	530-78	RIPRAP - ARTICULATING BLOCK (INCLUDES FIBRIFORM REMOVAL)	SY	1,300		\$	-
<i>Total for Roadway and Drainage</i>			--	--	--	\$	-

PLANTING & GRASSING

9	575-1	SODDING	SY	400		\$	-
<i>Total for Planting and Grassing</i>			--	--	--	\$	-

SCHEDULE 4 SUB-TOTAL

SCHEDULE 5: C-108 CANAL DETENTION AREA 2

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	104-11	FLOATING TURBIDITY BARRIER	LF	300		\$ -
3	104-13-1	STAKED SILT FENCE	LF	1,400		\$ -
4	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G)	LS	1		\$ -
<i>Total for General Items</i>			--	--	--	\$ -
PLANTING & GRASSING						
5	575-1	SODDING	SY	500		\$ -
<i>Total for Planting and Grassing</i>			--	--	--	\$ -
SCHEDULE 5 SUB-TOTAL						

SCHEDULE 6: C-108 CANAL DETENTION AREA 3

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	104-11	FLOATING TURBIDITY BARRIER	LF	200		\$ -
3	104-13-1	STAKED SILT FENCE	LF	1,250		\$ -
4	110-1-1	CLEARING & GRUBBING (INCLUDES SELECTIVE C&G/HAND CLEARING)	LS	1		\$ -
<i>Total for General Items</i>			--	--	--	\$ -
PLANTING & GRASSING						
5	575-1	SODDING	SY	500		\$ -
<i>Total for Planting and Grassing</i>			--	--	--	\$ -
SCHEDULE 6 SUB-TOTAL						

SCHEDULE 7: C-108 CANAL STRUCTURE 8-06

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	120		\$ -
4	104-13-1	STAKED SILT FENCE	LF	500		\$ -
5	110-1-1	CLEARING & GRUBBING (INCLUDES PINE TREE REMOVAL)	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
<i>Total for General Items</i>			--	--	--	\$ -
ROADWAY AND DRAINAGE						
7	120-5	CHANNEL EXCAVATION (ALLOWANCE)	CY	1000		\$ -
8	524-2	CONCRETE SLOPE PAVEMENT (FABRIFORM REPAIR ALLOWANCE)	SY	1,000		\$ -
9	524-2-3	CONC. SLOPE PAVEMENT, NON-REINF. (5") (REPLACEMENT ALLOWANCE)	SY	750		\$ -
<i>Total for Roadway and Drainage</i>			--	--	--	\$ -
PLANTING & GRASSING						
10	575-1	SODDING	SY	350		\$ -
<i>Total for Planting and Grassing</i>			--	--	--	\$ -
SCHEDULE 7 SUB-TOTAL						

SCHEDULE 8: C-107 CANAL DRY DETENTION POND

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -

**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A**

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2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$	-
3	104-11	FLOATING TURBIDITY BARRIER	LF	105		\$	-
4	104-13-1	STAKED SILT FENCE	LF	1,850		\$	-
5	110-1-1	CLEARING & GRUBBING INCLUDES SIDEWALK REMOVAL	LS	1		\$	-
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$	-
Total for General Items						\$	-

ROADWAY AND DRAINAGE

7	120-1	EXCAVATION (CUT)	CY	10,000		\$	-
8	425-1-521	TYPE 'C' INLET (≦ < 10')	EA	1		\$	-
9	425-1-551	TYPE 'E' INLET (≦ < 10') (INCLUDES WEIRS, WEIR GUARD, BAFFLE, ETC.)	EA	2		\$	-
10	430-175-124	24" REINFORCED CONCRETE PIPE	LF	68		\$	-
11	430-175-218	14"x 23" ELLIPTICAL REINFORCED CONCRETE PIPE	LF	26		\$	-
12	430-982-129	MITERED END SECTION (24")	EA	1		\$	-
13	430-982-625	MITERED END SECTION (14"x 23")	EA	1		\$	-
14	522-1	CONCRETE SIDEWALK, 4" THICK	SY	450		\$	-
15	524-2-3	CONCRETE SLOPE PAVEMENT, NON-REINFORCED (5")	SY	9		\$	-
16	9999	UTILITY ADJUSTMENT (ALLOWANCE)	ALLOW	1	\$ 15,000.00	\$	15,000.00
Total for Roadway and Drainage						\$	15,000.00

PLANTING & GRASSING

17	575-1	SODDING	SY	14,000		\$	-
Total for Planting and Grassing						\$	-
SCHEDULE 8 SUB-TOTAL						\$	15,000.00

SCHEDULE 9 C:107 CANAL STRUCTURE 7-01

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	155		\$ -
4	104-13-1	STAKED SILT FENCE	LF	1,310		\$ -
5	110-1-1	CLEARING & GRUBBING	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
Total for General Items						\$ -
ROADWAY AND DRAINAGE						
7	120-5	CHANNEL EXCAVATION (REMOVE SHOULDER/REGRADE)	CY	2,500		\$ -
8	430-175-118	18" HIGH DENSITY POLYETHYLENE PIPE	LF	60		\$ -
9	430-982-125	MITERED END SECTION (18")	EA	4		\$ -
10	430-94-3	DESILTING PIPE (37" - 48")	LF	688		\$ -
11	530-78	RIPRAP - ARTICULATING BLOCK	SY	1,200		\$ -
Total for Roadway and Drainage						\$ -

PLANTING & GRASSING

12	575-1	SODDING	SY	6,000		\$	-
13	599-999	IRRIGATION REPAIR ALLOWANCE	ALLOW	1	\$ 5,000.00	\$	5,000.00
14	9999	UTILITY ADJUSTMENT (ALLOWANCE)	ALLOW	1	\$ 20,000.00	\$	20,000.00
Total for Planting and Grassing						\$	25,000.00
SCHEDULE 9 SUB-TOTAL						\$	25,000.00

SCHEDULE 10 C:104 CANAL STRUCTURE 4-03

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	145		\$ -
4	104-13-1	STAKED SILT FENCE	LF	950		\$ -
5	110-1-1	CLEARING & GRUBBING (INCLUDES EXOTIC VEG., GATE & ALL FENCE REMOVAL)	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
Total for General Items						\$ -
ROADWAY AND DRAINAGE						
7	120-5	CHANNEL EXCAVATION (SEDIMENT REMOVAL ALLOWANCE)	CY	650		\$ -
8	430-175-118	18" HIGH DENSITY POLYETHYLENE PIPE	LF	20		\$ -
9	430-982-125	MITERED END SECTION (18")	EA	2		\$ -
10	524-2-3	CONCRETE SLOPE PAVEMENT, NON-REINFORCED (5") (RESHAPE/REPAIR)	SY	60		\$ -
11	9999	STABILIZE/REGRADE ACCESS ROAD	LS	1		\$ -
Total for Roadway and Drainage						\$ -

PLANTING & GRASSING

CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A

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12	575-1	SODDING	SY	4,000		
<i>Total for Planting and Grassing</i>			--	--	--	\$ --
SCHEDULE 10 SUB-TOTAL			--	--	--	\$ --

SCHEDULE 11: C-104 CANAL STRUCTURE 4R06B

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ --
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ --
3	104-11	FLOATING TURBIDITY BARRIER	LF	120		\$ --
4	104-13-1	STAKED SILT FENCE	LF	905		\$ --
5	110-1-1	CLEARING & GRUBBING (INCLUDES REGRADING)	LS	1		\$ --
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ --
<i>Total for General Items</i>			--	--	--	\$ --
ROADWAY AND DRAINAGE						
7	334-1-13A	SUPERPAVE ASPHALTIC CONCRETE (SP-9.5) (1" THICK) (ADDITIONAL OVERLAY)	SY	600		\$ --
8	327-70-1	MILE EXISTING ASPHALT PAVEMENT (1" DEPTH)	SY	40		\$ --
9	430-175-224	19" X30" ELLIPTICAL REINFORCED CONCRETE PIPE (INCL. PAVT RESTORATION)	LF	92		\$ --
10	430-175-242	34" X 53" ELLIPTICAL REINFORCED CONCRETE PIPE	LF	32		\$ --
11	430-982-627	MITERED END SECTION (19" X30")	EA	4		\$ --
12	430-982-640	MITERED END SECTION (34" X 53")	EA	2		\$ --
13	530-78	RIPRAP - ARTICULATING BLOCK	SY	95		\$ --
14	9999	UTILITY ADJUSTMENT (ALLOWANCE)	ALLOW	1	\$ 20,000.00	\$ 20,000.00
<i>Total for Roadway and Drainage</i>			--	--	--	\$ 20,000.00
PLANTING & GRASSING						
15	575-1	SODDING	SY	945		\$ --
<i>Total for Planting and Grassing</i>			--	--	--	\$ --
SCHEDULE 11 SUB-TOTAL			--	--	--	\$ 20,000.00

SCHEDULE 12: C-104 CANAL PIPE 4'05"

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ --
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ --
3	104-11	FLOATING TURBIDITY BARRIER	LF	143		\$ --
4	104-13-1	STAKED SILT FENCE	LF	662		\$ --
5	110-1-1	CLEARING & GRUBBING INCLUDES PIPE/FABRIFORM REMOVAL	LS	1		\$ --
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ --
<i>Total for General Items</i>			--	--	--	\$ --
ROADWAY AND DRAINAGE						
7	1205-5	CHANNEL EXCAVATION (REGRADE/SEDTMENT REMOVAL) ALLOWANCE	CY	500		\$ --
8	120-6	EMBANKMENT (FILL) (ALLOWANCE)	CY	100		\$ --
9	400-2-2	CLASS II CONCRETE (ENDWALLS) INCLUDES REINFORCING STEEL	CY	55		\$ --
10	430-175-160	60" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	460		\$ --
11	536-73	GUARDRAIL REMOVAL (INCLUDES SALVAGE & DELIVERY TO CITY)	LF	428		\$ --
12	9999	UTILITY ADJUSTMENT (ALLOWANCE)	LS	1	\$ 15,000.00	\$ 15,000.00
<i>Total for Roadway and Drainage</i>			--	--	--	\$ 15,000.00
PLANTING & GRASSING						
13	575-1	SODDING	SY	2,200		\$ --
<i>Total for Planting and Grassing</i>			--	--	--	\$ --
SCHEDULE 12 SUB-TOTAL			--	--	--	\$ 15,000.00

SCHEDULE 13: C-105 CANAL PIPE 5'09"

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ --
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ --
3	104-11	FLOATING TURBIDITY BARRIER	LF	112		\$ --
4	104-13-1	STAKED SILT FENCE	LF	558		\$ --
5	110-1-1	CLEARING & GRUBBING	LS	1		\$ --
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ --
<i>Total for General Items</i>			--	--	--	\$ --
ROADWAY AND DRAINAGE						

**CITY OF PORT ST. LUCIE
ST. LUCIE NORTH
DRAINAGE BASIN IMPROVEMENTS
SB #20120008 Bid Reply Sheet-Schedule A**

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7	120-6	EMBANKMENT (FILL)	CY	200		\$	-
8	334-1-13A	SUPERPAVE ASPHALTIC CONC. (TRAFFIC C) (1" THICK) (ADDITIONAL OVERLAY)	SY	708		\$	-
9	400-1-2	CLASS I CONCRETE (ENDWALLS) INCLUDES REINFORCING STEEL	CY	45		\$	-
10	425-1-581	INLET (DITCH BOTTOM TYPE H) (<=10')	EA	1		\$	-
11	430-175-154	54" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	931		\$	-
12	9999	UTILITY ADJUSTMENT (ALLOWANCE)	ALLOW	1	\$ 20,000.00	\$	20,000.00
Total for Roadway and Drainage						\$	20,000.00

PLANTING & GRASSING							
13	575-1	SODDING	SY	1,000		\$	-
Total for Planting and Grassing						\$	-
SCHEDULE 13 SUB-TOTAL						\$	20,000.00

SCHEDULE 14: C-106 CANAL PIPE 6-13

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	135		\$ -
4	104-13-1	STAKED SILT FENCE	LF	375		\$ -
5	110-1-1	CLEARING & GRUBBING	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
Total for General Items						\$ -
ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL)	CY	100		\$ -
8	400-1-2	CLASS I CONCRETE (ENDWALLS) INCLUDES REINFORCING STEEL	CY	32		\$ -
9	430-175-154	54" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	132		\$ -
10	9999	UTILITY ADJUSTMENT (ALLOWANCE)	ALLOW	1	15,000.00	\$ 15,000.00
Total for Roadway and Drainage						\$ 15,000.00
PLANTING & GRASSING						
11	575-1	SODDING	SY	500		\$ -
Total for Planting and Grassing						\$ -
SCHEDULE 14 SUB-TOTAL						\$ 15,000.00

SCHEDULE 15: C-106 CANAL PIPE 6-09

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	145		\$ -
4	104-13-1	STAKED SILT FENCE	LF	442		\$ -
5	110-1-1	CLEARING & GRUBBING	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
Total for General Items						\$ -
ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL)	CY	150		\$ -
8	400-1-2	CLASS I CONCRETE (ENDWALLS) INCLUDES REINFORCING STEEL	CY	38		\$ -
9	430-175-124	24" HIGH DENSITY POLYETHYLENE PIPE (INCLUDES FILL/STABILIZED ACCESS)	LF	60		\$ -
10	430-175-154	54" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	234		\$ -
11	430-982-129	MITERED END SECTION (24")	EA	4		\$ -
12	9999	UTILITY ADJUSTMENT (ALLOWANCE)	ALLOW	1	\$ 15,000.00	\$ 15,000.00
Total for Roadway and Drainage						\$ 15,000.00
PLANTING & GRASSING						
13	575-1	SODDING	SY	750		\$ -
Total for Planting and Grassing						\$ -
SCHEDULE 15 SUB-TOTAL						\$ 15,000.00

SCHEDULE 16: C-107 CANAL PIPE 7-06

LINE NO.	PAY ITEM NO.	DESCRIPTION	UNIT	EST QTY	UNIT PRICE	BID TOTAL
GENERAL ITEMS						
1	101-1	MOBILIZATION	LS	1		\$ -
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		\$ -
3	104-11	FLOATING TURBIDITY BARRIER	LF	130		\$ -
4	104-13-1	STAKED SILT FENCE	LF	316		\$ -

CITY OF PORT ST. LUCIE						
ST. LUCIE NORTH						
DRAINAGE BASIN IMPROVEMENTS						
SB #20120008 Bid Reply Sheet-Schedule A						
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5	110-1-1	CLEARING & GRUBBING	LS	1		\$ -
6	199-1	SURVEY WORK & PREPARATION OF AS-BUILT DRAWINGS	LS	1		\$ -
Total for General Items						\$ -
ROADWAY AND DRAINAGE						
7	120-6	EMBANKMENT (FILL)	CY	100		\$ -
8	400-2-2	CLASS II CONCRETE (ENDWALLS) INCLUDES REINFORCING STEEL	CY	45		\$ -
9	430-175-166	66" REINFORCED CONCRETE PIPE (INCLUDES PAVEMENT RESTORATION)	LF	258		\$ -
10	536-73	GUARDRAIL REMOVAL (INCLUDES SALVAGE & DELIVERY TO CITY)	LF	277		\$ -
11	9999	UTILITY ADJUSTMENT (ALLOWANCE)	ALLOW	1	\$ 15,000.00	\$ 15,000.00
Total for Roadway and Drainage						\$ 15,000.00
PLANTING & GRASSING						
12	575-1	SODDING	SY	750		\$ -
Total for Planting and Grassing						\$ -
SCHEDULE 16 SUB TOTAL						\$ 15,000.00
SCHEDULE 17: ALTERNATE BID ITEMS FOR ADDITIONAL AREA(S)						
1	530-78-1	RIPRAP - ARTICULATING BLOCK (BID ALTERNATE Schd.#4-Structure 8-02)	SY	1,550		\$ -
2	530-78	RIPRAP-ARTICULATING BLOCK (BID ALTERNATE Schd #7-Structure 8-06)	SY	1,650		\$ -
These items will be used if alternate work is needed at various locations.						
SUMMARY OF BASE PROJECT AMOUNTS						
BID SCHEDULE						
SCHEDULE 1 SUB TOTAL						\$ 1,500.00
SCHEDULE 2 SUB TOTAL						\$ -
SCHEDULE 3 SUB TOTAL						\$ -
SCHEDULE 4 SUB TOTAL						\$ -
SCHEDULE 5 SUB TOTAL						\$ -
SCHEDULE 6 SUB TOTAL						\$ -
SCHEDULE 7 SUB TOTAL						\$ -
SCHEDULE 8 SUB TOTAL						\$ 15,000.00
SCHEDULE 9 SUB TOTAL						\$ 25,000.00
SCHEDULE 10 SUB TOTAL						\$ -
SCHEDULE 11 SUB TOTAL						\$ 20,000.00
SCHEDULE 12 SUB TOTAL						\$ 15,000.00
SCHEDULE 13 SUB TOTAL						\$ 20,000.00
SCHEDULE 14 SUB TOTAL						\$ 15,000.00
SCHEDULE 15 SUB TOTAL						\$ 15,000.00
SCHEDULE 16 SUB TOTAL						\$ 15,000.00
Indemnification Fee						\$ 10.00
BID TOTAL Schedule A						\$ 141,510.00
(Amount to be entered on Schedule A Line in Bid Reply)						

**CITY OF PORT ST. LUCIE
OFFICE OF MANAGEMENT & BUDGET
BID TABULATION REPORT**

BID # 20120008-BM
OPENED: February 14, 2012
TIME: 3:00 P.M.

BID TITLE: St. Lucie North Drainage Basin Improvements

The following Vendor(s) submitted proposals:

Item	Respondent/Company Name	Amount (Schd.A)
1	ASL Diversified Industries	\$ 2,137,432.35
2	Melvin Bush Construction	\$ 1,817,095.91
3	Felix Assoc. of FL Inc.	\$ 1,961,633.10
4	Ric-Man International, Inc.	\$ 2,308,947.70
5	Gibbs & Register, Inc.	\$ 2,525,104.00
6	Close Construction, LLC	\$ 2,373,034.78
7	Underwater Engineering Services, Inc.	\$ 2,324,430.90
8	Mancil Tractor Service, Inc.	\$ 1,755,194.75
9		
10		
11		
12		
13		
14		

The following vendor's submitted a "No Bid":

Number of Companies Notified: 3109
Number of Bid Documents Distributed: 106
Number of Bids Received:

NOTE: Offers from vendors listed herein are the only offers received timely as of the above opening date and time. All other offers submitted in response to this solicitation, if any, are hereby rejected as late.

User: Moquin, CPPB, Barb

Organization: City of Port St. Lucie - Office of Management and Budget

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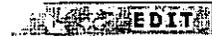
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Bid Details

Bid Information



Agency	City of Port St. Lucie - Office of Management and Budget
Bid Type	Request for Sealed Bid
Bid Number	SB-20120008-0-2012/BM
Fiscal Year	2012
Bid Writer	Barb Moquin, CPPB
Bid Name	St. Lucie North Drainage Basin Improvements
Bid Status	Active
Bid Status Text	FEMA Funded Project with special requirements.
Due Date/Time	2/14/2012 3:00 PM Eastern
Broadcast Date	12/30/2011
Bid Bond	5% certified/bond
Project Estimated Budget	\$2,467,253.00
Plan (blueprint) Distribution Options	None
Distribution Method	Download and Mail
Distributed By	Onvia DemandStar
Distribution Notes	None
Scope of Work	Project involves drainage improvements to the C-104, C-105, C-106, C-107, C-108, City canals and associated tributaries. Upgrades to include but limited to cross-street pipe replacements, associated drainage structure replacement, clearing and grubbing of canal slopes, restoration and sodding of slopes, nuisance and exotic vegetation removal, building of stormwater treatment pond, placement of articulated concrete mats and rip-rap, water control structure upgrades, canal cleaning and sidewalk installation.
E-Bidding	No

Legal Ad



Please select either the View or Edit button to manage legal ad.

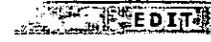
Pre-Bid Conference

NON-MANDATORY
 January 17, 2012
 10:00 A.M.
 City Complex, Bldg. A, Ste. 390
 Office of Management & Budget
 121 SW Port St. Lucie Blvd.
 Port St. Lucie, FL 34984

Publications

St. Lucie News-Tribune 1/4/2012
 St. Lucie News Tribune 1/11/2012

Documents



Bid Package There are 20 Documents Associated with this Bid.

Commodity Codes

- AGR-515-83 - Tree Trimming and Pruning Equipment (Portable, Power-Operated - Not Saws)
- ARC-906-54 - Irrigation, Drainage, Flood Control - Architectural
- ARC-909-76 - Site Work (Incl. Site Clean-Up)
- ARC-910-08 - Concrete Raising and Undersealing Services
- ARC-910-51 - Masonry, Concrete, and Stucco Maintenance and Repair (Includes Inside Concrete Sawing and Grouting Work)
- ARC-910-63 - Public Utilities: Water, Sewer and Gas Maintenance and Repair
- ARC-910-71 - Shoring and Reinforcement Services
- ARC-912-16 - Boring, Drilling, Testing, and Soundings
- ARC-912-19 - Clearing and Grubbing Services
- ARC-912-23 - Construction, General (Backfill Services, Digging, Ditching, Road Grading, Rock Stabilization, etc.)
- ARC-913-15 - Construction, Canal or Aqueduct
- ARC-913-19 - Construction, Curb and Gutter (Includes Maintenance, Repair, and Removal)
- ARC-913-27 - Construction, Highway and Road
- ARC-913-39 - Construction, Pipe Culvert
- ARC-913-40 - Construction, Pipeline
- ARC-913-45 - Construction, Sewer and Storm Drain
- ARC-913-47 - Construction, Sidewalk and Driveway (Includes Pedestrian and Handicap Ramps)
- ARC-913-56 - Construction, Utility/Underground Projects
- ARC-913-60 - Construction, Water System, Main and Service Line
- ARC-913-68 - Maintenance and Repair, Canal
- ARC-913-77 - Maintenance and Repair, Pipe Culvert
- ARC-913-78 - Maintenance and Repair, Pipeline (Includes Removal and Relocation)
- ARC-913-81 - Maintenance and Repair, Sewer and Storm Drain (Including Removal)
- ARC-913-89 - Maintenance and Repair, Utility/Underground Projects
- ARC-914-30 - Concrete
- SRV-918-43 - Environmental Consulting
- SRV-918-73 - Landscaping Consulting
- SRV-925-35 - Environmental Engineering
- SRV-925-56 - Irrigation, Drainage, Flood Control/Engineering
- SRV-926-41 - Ecosystems Development, Management and Protection Services
- SRV-926-96 - Wetland Delineations (Incl. Assessments)
- SRV-947-84 - Tree Farm Operation and Management Services
- SRV-962-73 - Restoration/Reclamation Services of Land and Other Properties
- SRV-968-39 - EXCAVATING AND TUNNELING
- SRV-968-42 - GENERAL CONSTRUCTION
- SRV-968-73 - Storm Drain Cleaning, Repair, and Sludge Removal Services
- SRV-968-88 - Tree and Shrub Removal Services
- SRV-988-02 - Arborist Services
- SRV-988-14 - Erosion Control Services
- SRV-988-27 - Flora Protection Services
- SRV-988-88 - Tree Trimming and Pruning Services
- SRV-988-89 - Weed and Vegetation Control (Including Aquatic Weed Control)

Statistics

Planholders There are 106 planholders for this bid

Broadcast List 3109 suppliers have been notified

Supplemental Suppliers 0 Supplemental Suppliers

Filtered No

Post-Bid Viewers 0 viewer(s)

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AGENDA

Pre-Bid Conference

Bid #20120008

NAME: St. Lucie North Drainage Basin Improvements

DATE: January 17, 2012 at 10:00 A.M.

1. Sign-In Sheet
2. This meeting is being recorded for record purposes. Information from this pre-bid meeting will be put on DemandStar in the form of a Bid Addendum for all interested bidders to have the same information.

3. Introduction of key personnel:

Robyn Holder for Barb Moquin, OMB Contract Specialist

Larry Nadeau, Project Manager, Grant Administration (that is grant not great although he has been referred to as great).

James Angstadt, PE Engineering Department

Johseph Capra, PE Captec Engineering

3. **Reminder:** Bid opening date is FEBRUARY 2, 2012 AT 3:00 PM.

No Bid will be accepted after that date and time.

Any Bid received late will be returned unopened.

4. Highlights of Bid Document and Project:

- This is a grant funded project so be sure to read all of special requirements within the bid document.
- There are currently two Bid Addenda: #1 revises insurance language, edited number of calendar days allowed for project (240), delete reference to wrong project in Attachment E and, referenced change from Department to City in General Requirements. #2 is the removal of the Davis Bacon Act requirements and all references to DBA in documents.
- Bidders are required to read and accept the City's Standard Contract.
- Bidders are to understand the insurance requirements for this project.
- Bonding: **Bid Bond** - A bid bond is required when submitting a bid response. This will be in certified funds or from a surety - no company or personal checks will be accepted. **Payment & Performance Bond** - Payment & Performance bonding will be expected from the awarded Contractor so please be sure this cost is taken into account when completing the Excel Bid Reply Sheet, Schedule "A".

- This is NOT an e-bid. One original bid packet and three (3) hard copies are to be submitted along with one electronic copy of the Excel Bid Reply spreadsheet.
- Include five (5) reference sheets with proper contact information (fax & phone numbers).
- The last day for questions will be January 26, 2012 due to the time needed to present all information to all potential bidders. Questions are to be directed to Barb Moquin in writing by this date.

5. Turn over to: Larry Nadeau for details of this project.

6. Questions from Prospective Bidders.

7. Adjourn

PRE-BID CONFERENCE ATTENDANCE
 SEALED BID-20120008-BM
 St. Lucie North Drainage Basin Improvements
 January 17, 2012 at 10:00 a.m.

Name (Please PRINT legibly)	Agency	E-Mail Address	Telephone # & FAX #
1. Robyn Holder	City of PSL.com	holder@cityofpsl.com	T 344-4293 F 871-7337
2. Brian Wimberly	Gibbs & Register	estimating@gibbsandregister.com	T 407-654-6133 F 407-905-2941
3. AT Summerville	Woods and Wetlands inc	AT.Summerville@woodsandwetlandsinc.com	T 239-567-1857 F 239-567-0932
4. Chrissy Hensel	EarthBalance	chensel@earthbalance.com	T 407-518-5592 F 407-518-9131
5. Larry Roof	Ranger Construction	Larry.Roof@RangerConstruction.com	T 561-793-9406 F 561-790-4332
6. CHRIS DIMITRIOU MARCELO	CAT	mdimitriou@cat-ey.com	T (772) 979-0082 F
7. CHRIS BROWN	HANDWAYS OF DELRAY	ckb@handwayspaning.com	T 561.218.0456 F 561.218.2147

PRE-BID CONFERENCE ATTENDANCE

SEALED BID-20120008-BM

St. Lucie North Drainage Basin Improvements

January 17, 2012 at 10:00 a.m.

8.	LARRY NADDEAN	City of SL	lnaddean@cityofsl.com	T 871-5104 F
9.	MEL BOOTH	Mel Booth Const.		T 772-336-0623 F 772-336-0488
10.	ERIC MC KENDRICK	MWI Pumps	Eric.M@MWI Corp.com	T 772-321-0493 F 772-770-1096
11.	STEVE MARQUART	CAPTEC	smarquart@gocaptec.com	T (772) 692-4344 F (772) 692-4341
12.	JOHN PLUSWICK	DICKERSON FL	jpluswick@dfi.fl.com	T 772-429-4444
	KRISTINA BERNARDEN	WILKING ENGINEERS & ARCHITECTS	Kristina@wilkings.com	T 772-429-4445

PRE-BID CONFERENCE ATTENDANCE
 SEALED BID-20120008-BM
 St. Lucie North Drainage Basin Improvements
 January 17, 2012 at 10:00 a.m.

13.	Name (Please PRINT legibly)	Company Name	E-Mail Address	Telephone # & FAX #
	Kristina Berryman	Nutting Engineers of Florida	Kristina.b@nutting. biz	T 772-408-1050 F 772-408-1049
	Joe Guttuso	Arbor Tree and Land Care ATL Diversified Industries)	jguttuso@atldiversified .com	T 561-965-2198 F 561-965-9777
	James Tilli	Star Lanzo Construction	James.T@Lanzo.org	T 954 979 0802 F 954 979 9897
	LARRY E EMLER	BLAZER	BlazerLwry@comcast.net	T 1-561-719-6080 F 561-575-6499
				T
				F
				T
				F
				T
				F

Pre-Bid Meeting
St. Lucie North Drainage Improvements
20120008-BM
January 17, 2012

Attendees:

Robyn Holder, OMB
Vickie Smith, OMB
Larry Nadeau, City of PSL
Joe Capra, CAPTEC
Steve Marquart, CAPTEC
Mel Bush, Mel Bush Construction
Marcelo Dimitriou, C&T
Brian Wimberly, Gibbs & Register
Pat Summeral Woods and Wetlands, INC
Chrissy Hensel, Earth Balance
Larry Roof, Ranger Construction
Chris Brown, Harddrives of Delray
Eric McKendrec, MWI Pumps
John Pluswick, Dickerson FL
Kristina Berryman, Nutting Engineers of Florida
Joe Guttuso, Arbor Tree and Land (aka ATL Diversified Industries)
James Tilli, Lanzo Construction
Larry E. Emig, Blazer

Robyn Holder standing in for Barb Moquin who is the contract specialist assigned to the project.

Larry Nadeau is the project manager and the meeting will be turned over to him. Bid opening is February 2 at 3:00pm. No bids will be accepted after that. Robyn goes over a few of the highlights before turning over the meeting to Larry.

It is a grant funded project so please make sure you are aware of all the requirements associated with the grant. There have already been two (2) bid addendums issued, one revising the insurance language and editing the number of calendar days for the project, which is now at 240 calendar days. Bidders are required to read and accept the City standard contract. We are requesting a bid bond on this project. So please make sure that you are aware of that and we will not accept your bid if we do not have a bid bond. It will be deemed non responsive. A payment and performance bond will also be required for this project, so please make sure that you are aware of that. This is not an E-bid, so we will be requiring one (1) original bid package with three (3) hard copies associated with that and also one electronic copy of the Excel Spreadsheet on a disc. We are asking for five (5) references for the project and also the last day for questions is January 26, 2012. So please make sure you have all your questions submitted in writing to Barb Moquin, and if she is possibly still out, then address them to me, which I will provide you with my email address whenever you call in. Without further ado, I'm going to turn this over to Larry and he can go over the standards/specifications of the project.

Larry Nadeau: With us we have CAPTEC the design engineers. They're here to answer any technical questions you may have. But, for the most part, we have several projects as you can tell within a large area that are pretty well identified and scattered. They involve C104, 105, 106, 107, 108. There will be some canal cleaning, some selective clearing, slope stabilization, hardening of slopes, cross street culvert replacement, ACB Mats to be placed, shoaveling, removal as well as some concrete work. Concrete work is pretty much around the C108 where we're elevating the head wall to allow better stabilization for the road for the sidewalk, at some later point. Pretty much it's kind of an idiot proof type of work. I believe everybody that's here has done it in the past, but, we are looking to make sure that the ACB Mats have the proper installation ~~because ultimately~~ I think Joe I'll let you allude to the fabric requirement; you want to touch ~~base on that~~ upon?

Joe Capra – CAPTEC: Well there's notes on the plan, we just want to make sure that everybody recognizes there is a soils recommendation, soils that you'll have to take and your guys will actually make a recommendation on the fabric and everything to us, somewhat like a design/build but basically we just want you to note that if it's not in the plan it will be in the addendum, but it's basically right around the installation of the articulating concrete mat blocks, notes and so forth. So we want to make sure that you recognize that there is some research you have to do in the specific area where these mats go to get the right fabric to put under the blocks. So that's in the specs that you'll see. I think it's important, a couple of items. There are comments on here that Public Works Staff will quote on access agreements for garbled pipe replacement. Obviously those things you'll be working with the City with that, and obviously as restoration is concerned about fences and things like that, you'll be working with them on that so I just wanted you to note that the project narrows there. One other item was that the surveying was done by the City, so you have to do your own survey and so forth. But the existing survey was provided by the City on the plan. Everything is NAVBD, make sure you recognize that. Garbled sentence in this area... I think everything is pretty clear relative to the work that we know that you're doing at the road crossings. Obviously there's always certain unknown's on utility crossing. You are required to go out there and pothole at least ten (10) days before you actually do the work, so that if there is a problem we can make some adjustments and get the project built in a timely manner. So that's something that's also called on in the notes. Other than that you're working around residential properties and obviously you have to be careful with making sure everything is safe, no more garbled control. On Macedo Blvd we are going to add an alternative to replace but 1550 square yards.

Steve Marquart – There's an existing fiber form mats there and since we are doing the work and preparing things they have gone in there with the bridge engineer and looked through it and we're not sure if the fiber forms in great condition but just repair it, so we're also going to do a bid alternate to remove that fiber form and replace it with 1550 square yards of ACB Mats. Just as a contingency.

Larry Nadeau – Since the design, we've got a new bridge report which delineates some scouring between ~~Vent Piles 3.1 and 3.3~~. They identify a severe scour however, there is a concrete grout repair to the type of formed fabriform grout in that area, so it behooves us to clean real good... Once we've got it clean we'll make the evaluation on whether or not grout will suffice the repair

or we have an alternative method, which would be ACB Mats, to be determined. But that's why we're throwing that in as an alternate.

Robyn Holder – ACB?

Larry Nadeau – Articulated Concrete Block Mats. Selvitz Road. There is some minor sidewalk work alongside of the site, if you look at those sheets, there's a retention system being placed, we're rerouting some sidewalks, ~~so as forth some~~ Sidewalks are being used by children so we've got to make sure that you exercise care and always provide access for pedestrians. There will be neighborhood meetings being held in the next three or four weeks. Once we have our CEI Staff on board, ~~so we'll~~ alert residents that this contract is being bid and that, there will be some activity, so that there won't be any surprises, However, it is your responsibility to make sure that you do not encroach on any private property without resident approval or consent. Most residents are fairly reasonable but always have a piece of paper to back yourself up but. But again we'll try to broach that with the residents. There that may be a point in time where the contractor may want to discuss vacant lot access or use or whatever, but, you are required to at least get some sort of clearance before you step foot onto private property. Pavement restoration, I think it's pretty much standard stuff, everybody's done it before. We're looking to have the pavement restored in time and equal to or better. I think we've got sections in the plans that delineate that. Water control structures, I think... Do, Joe do you want to talk about the wWing wWall extensions any?

Joe Capra – Just note that, first of all, on the sheet of the plan, I don't know if any of you've got the plan or not, but basically on Sheet 3, it shows the garbled there's a wing wall extensions, and eventually you understand that's on all four corners and there is a detail in the plan that talks about how to do that, and just make sure... It's on Sheet 21, typical section of head wall east side of St. James, but basically both sides of the wall, both ends of the wall get extensions and some of them get raised, so you need to make sure that you follow the detail that's shown on Sheet 21. The other item that I will point out to you as we kind of add into, probably another detail that'll come in on page 23 we talk about the ACB Mats and the tie-in to adjacent concrete. You'll want to make sure you realize there's a concrete tie-in detail there. We'll probably give you another alternative to that just to kind of consider, but, I want to make sure you know about that tie-in, some considered Section 8A of that sheet 23, where the mat butts up against the head wall over garbled. Anything else Steve?

Steve Marquart – On every one of the plan sheets it's noted to locate the utilities prior to starting work. I would recommend you plan to pothole ten (10) days prior to work starting, so if there's any issues we find something that's a different elevation, a little snafu we can work with, and not slow you down, keep you moving, if we have to adjust something, we'll certainly help you.

Larry Nadeau – Going back to the C108, that's where the head wall or something we tap into it, downstream of C108 is tidal so you have to comply with Manatee Zone requirements. That means having spotters out there, keeping an eye on things, making sure that you don't have any activity. If you do see an activity, you know the regs, you've got to stop and you've got to allow these creatures to do what they gotta do and hopefully they move out in short order. But, it's serious, so keep an eye on that one outfall. Other than that, sometimes going around the that room for your questions is the best, so, we'll open it up to you.

Q: Is it Federal Funding?

A: Yes, it's FEMA funded, but we contract directly with the state.

Q: So you don't need to get certified payroll or anything?

A: No. Davis Bacon is exempt because we have an agreement directly with the state.

Q: What is the engineer estimate?

A: Two million, I believe.

Q: It sounds like we're doing the testing, is the contractor doing the testing? We have to get the material, test the soil... Are we doing in-house testing or is it also...?

A: The Geotech is going to be covered through the CEI.

Q: The only testing that we have to do is the soil that goes in the Geo Mats?

A: Just for selection of the filter fabric, make sure that the system you guys install, the manufacturer's okay with it and you guys can stand behind it.

Q: You mention the surveying, is the contractor going to be doing the as-built's or is the City?

A: Yes.

Q: The contractor?

A: Then you do your construction later as well.

The reason I brought that up is because it states on the drawings that the City basically provides survey. Just want you to know... Initially you have to provide surveys.

Q: Is it a unit-price bid?

A: There's lumps, there's variation, more units than lump.

Q: You said CEI is hiring the testing company?

A: Correct.

Q: You've got a bunch of schedules, different locations on the bid form. Is it the intention to award all or are you looking, if we are above a number, are you looking to break out some of the schedules? Or is it all or nothing?

A: We have a specific amount of money, that's been awarded to us and we can't really exceed that too much, if you know what I mean. So the schedule basically, if the bids come in exorbitantly high for whatever reason and there's one schedule that could bring it within budget, we might consider it, but we might consider dropping ACB Mats or some clearing or whatever, based on what we have. But, the intent is to do it all.

Joe Capra – I don't know if Larry brought this up, but obviously our intent is, when you go into an area you do all the work on that area, complete it. You don't want to expose obviously an erosion control issues and everything else along with that, so...

Larry Nadeau – Everybody knows there is some selective clearing, right? Everyone understands that? We do have some wetlands that we are going to walk very diligently through.

Q: Are those open to the public? Can we get in there?

A: Yes. You can pretty much drive alongside most of those canals, without too much of a problem. Couple areas I'd be careful of, it's wet, so if you see some wetness come through the backside; plenty of ways to get in and out.

Robyn Holder – Okay, if nobody else has any other questions, please make sure that you do sign in on the sign in sheet before you leave. We will be posting that online at some point and if you do have any other questions that you think of after this meeting, please submit those in writing to us either Barb Moquin or myself, and I'll make sure she gets them, or I'll read them if she's not in. Then we can make sure we answer your questions. This meeting will be posted as a bid addendum so you will be required to acknowledge that as well as the other two addendums that have already been issued. So, no other questions...

Meeting Adjourned.

Foreign Account Number : 11515278

Ad # : 2352144

Ad Net Cost : \$83.79

Name (Primary) : CITY OF PORT ST. LUCIE

Company (Primary) : CITY OF PORT ST. LUCIE

Street 1 (Primary) : 121 SW PORT ST. LUCIE BLVD

City (Primary) : PORT ST LUCIE

State (Primary) : FL

ZIP (Primary) : 34984

Phone (Primary) : (772) 344-4390

Class Code : 9418SC - Request for Bid

Start Date : 1/4/2012

Stop Date : 1/11/2012

Prepayment Amount : \$0.00

Ad Sales Rep. : 190 - Barbara Wentzel

Width : 1

Depth : 57

REQUEST FOR
SEALED BID

est for Sealed #20120008 will be received by the City of Port St. Lucie, the Office of Management & Budget, 3rd Floor, Suite 390, "A" of the Municipal Complex, at SW Port St. Lucie Blvd., Port St. Lucie, FL 34984 5099, at 3:00:00 p.m. on January 2, 2012, for St. Lucie North Range Basin Improvements to City Parks and associated tributaries. There will be a one-time Bid Conference Wednesday, January 2, 2012 at 10:00 AM in Room 390 of City Hall Complex. Project is funded by Federal dollars and requires special reporting requirements. Specifications may be obtained from DesignStar by Onvia, DesignStar.com or phone (800).711.1111, or from the Office of Management & Budget. A Bid Package received in any other manner is at the vendor's risk.

Effective January 4, 11,

Barbara Moquin

From: Wentzel, Barbara [Barbara.Wentzel@scripps.com]
Sent: Thursday, December 29, 2011 9:37 AM
To: Barbara Moquin
Subject: AD #2352144
Attachments: Classified Ad _ 2352144.pdf

Your ad will appear in the ST. LUCIE NEWS TRIBUNE for St. Lucie County on 1/4 and 1/11/12.

Please review this proof prior to publication and e-mail or fax me any changes/corrections immediately.

When referring to this ad, please always use the ad number. Thank you.

Barbara Wentzel
Classified Legal Advertising St. Lucie County
1939 South Federal Highway
Stuart, FL 34994

E-mail: barbara.wentzel@scripps.com
stlucielegals@scripps.com

772-692-8966 (Direct) 772-600-1450 (Fax)

www.tcpalm.com/legalinfo

PLEASE NOTE: Deadline to place a legal notice is

3:00 PM - 4 BUSINESS DAYS (Monday - Friday) prior to publication.

DEADLINES WILL CHANGE DURING HOLIDAYS. PLEASE CHECK NEWSPAPER FOR DEADLINES.

REQUEST FOR SEALED BID

Request for Sealed Bid #20120008 will be received by the City of Port St. Lucie, in the Office of Management & Budget, 3rd Floor, Suite 390, Bldg "A" of the Municipal Complex, at 121 SW Port St. Lucie Blvd., Port St. Lucie, FL 34984-5099, until 3:00:00 p.m. on February 2, 2012. for the St. Lucie North Drainage Basin Improvements to City canals and associated tributaries, There will be a one-time Pre Bid Conference on Tuesday, January 17, 2012 at 10:00 A.M. in Room 390 of the City Hall Complex. Project is funded by Federal Funds and requires special reporting requirements. Specifications may be obtained from DemandStar by Onvia, DemandStar.com or telephone (800) 711-1712, or from the Office of Management and Budget. A Bid package received from any other source is at the vendor's risk.

Billing for this advertisement must be sent to:

City of Port St. Lucie
Office of Management & Budget
121 SW Port St. Lucie Boulevard
Port St. Lucie, FL 34984-5099

This advertisement is to run on:

January 4, 2012 and January 11, 2012

This section for Office of Management & Budget use only.

Advertisement placed by: Barbara Moquin, CPPB

Telephone Number: 772-871-5224 Fax Number: 772-871-7337

(place an 'X' in the box below for the appropriate newspaper)

Tribune	Date:	1st Ad	2nd Ad
Post	Date:	1st Ad	2nd Ad

Fax to 600-1450 or

E-mail to: stlucilegals@scripps.com

BID REQUEST / RFP REQUEST

Department: Engineering Department Technical Specialist: Larry Nadeau Extension: 5104

Item/Description of Work Summary: St. Lucie North Drainage Basin Improvements will involve drainage improvements to the C-104, C-105, C-106, C-107, C-108 Canals and associated tributaries. Upgrades will include cross-street pipe replacements, associated drainage structure replacement, clearing and grubbing of canal slopes, restoration and sodding of slopes, nuisance and exotic vegetation removal, building of a storm water treatment pond, placement of articulated concrete mats and rip-rap, water control structure upgrades, canal cleaning, and sidewalk installation.

Technical Specifications Attached: Yes No (must be submitted electronically in word or excel)

Technical documents must be in word in one file, no logos

Bid Reply, must be in excel and a separate file, no logos

Plans may be PDF but must be in one file, dated and numbered consecutively.

Date plans received approval by City Building Department N/A

Replacement: Yes No Budgeted Amount: \$2,467,253 Any grant funds being used Yes (75%/25%)

If not budgeted, authorization from Director of OMB is required.

Account Number	Fund	Cost Center	Object Code	Project
	401	4126	534000	Y1123

Suggested Bidders (Use separate sheet if necessary): These will be added to DemandStar broadcast list.

Bidder Name	Address	Fax Number	Contact Person

Reason for purchase of service: Drainage Improvements

If digging or trenching is required what is the depth? 7 feet

If work is in water, what is the depth? 3 feet Is the water navigable? No

If this is a building, how many stories? N/A

Department Head Approval

Date