SUBJECT: RFQ- FOR DESIGN-BUILD SERVICES FOR HORIZONTAL/CIVIL (HORIZONTAL) DESIGN BUILD PROJECTS

BID #: CDB-0132-21 **OPEN DATE: 2021 AUG 04**

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT: CONSTRUCTION- DESIGN/BUILD

AGENCY: PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 **NUMBER RECEIVED: 4** **OTHER: 0**

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval to amend the award with J.B. Coxwell Contracting, Inc. (contract number 71754-22), to incorporate the attached Scope and Fee Summary, Exhibit Q-1, known as Amendment 15A, to provide 100% design and construction of wetland mitigation at the Project Raptor site located at Cecil Field in the amount $5,528,398.76, which includes $239,229.75 in contingency and bonds, allowing for the completion of the work within 180 days from the notice to proceed.

FUNDING SOURCE: 32124.105325.561011.010674.00000000.00000.0000000 - To be executed by formal contract amendment through the Office of General Counsel and encumbered by purchase order.

ATTACHMENTS: Recommendation Memo, Exhibit Q-1, Previous Award(s)

ANALYST: _____
JACLYN STAMOS

RESPECTFULLY SUBMITTED: _____
DUSTIN FREEMAN, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: Robin G. Smith, P.E., Chief, Engineering and Construction Management

---

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

ONE CITY. ONE JACKSONVILLE.

City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
www.coj.net

May 30, 2023

TO: Dustin Freeman
Chief of Procurement

THRU: Steven D. Long, Jr., P.E.
Director of Public Works

FROM: Robin G. Smith, P.E.
Chief, Engineering and Construction Management

Paul Crawford
Director of Business Development

SUBJECT: CDB- 0132-21 –Design Build Services Horizontal/Civil (Horizontal) Design-Build Projects
Contract 71754-22 Cecil Wetland Mitigation (Project Raptor Site) AMENDMENT 15A

Based on the Design Criteria Package (DCP) developed by City Engineers, the Department of Public Works, in accordance with Design/Build CDB-0132-21, Contract No. 71754-22, has completed negotiations with J. B. Coxwell Contracting, Inc., to provide 100% design and construction of wetland mitigation at the Project Raptor site located at Cecil Field. Negotiations have resulted in the attached Scope and Fee, Exhibit Q-1 for total lump sum of $5,528,398.76, which includes bonds and $239,229.75 in contingency, allowing for the completion of the work within 180 days from the notice to proceed. J. B. Coxwell Contracting is committed to meeting the 20% JSEB participation goals established for this contract.

Accordingly, this is to recommend that Contract No. 71754-22, executed May 23, 2022, for CDB-0132-21 between the City and J. B. Coxwell Contracting, Inc. for Design-Build Services- Horizontal/Civil (Horizontal) Design-Build Projects, be amended to incorporate the attached Scope and Fee Summary, Exhibit Q-1 for Cecil Wetland Mitigation (Project Raptor Site) in the amount of $5,528,398.76, known as Amendment 15A.

Funding for this project should be encumbered as follows:

ACCOUNTS:	TOTAL
32124.105325.561011.010674.00.00.00	
010674	
EDCP economic Development Capital Project-Industry Dev.	
561011	
1	
32124-384020	$5,528,398.76

RGS/lw

Attachment: Exhibit Q-1

cc: Lori West, Engineering and Construction Management

EXHIBIT Q-1

J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254
Office (904) 786-1120 Fax (904) 783-2970

May 22, 2023 (Rev. 2)

Robin Smith, P.E.
City of Jacksonville Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, Florida 32202

Re: Fee Proposal for Project Raptor – Wetland Mitigation
Design-Build Construction Delivery for City of Jacksonville
City Contract No. 71754-22

Dear Mr. Smith, P.E.:

J.B. Coxwell Contracting, Inc. (JBCCI) is pleased to submit for your review and consideration the following design-build scope of services and attached lump sum fee proposal for the above referenced project. The scope of work in the attached Fee proposal includes design and construction of wetland mitigation at the Project Raptor site based on the attached DCP with email clarification from Paul Crawford, plan sheets and the existing topography elevations as provided by ETM.

The proposed lump sum amount for the blue areas on this project is $3,700,298.90. The proposed lump sum amount for the orange areas on this project is $1,808,325.89. The proposed lump sum amount for the design & permitting on this project is $19,677.91. The grand total for the mitigation of the blue areas, orange areas and design & permitting is $5,528,398.76. Each area includes a 5% project contingency. The project contingency is for the Design-Builder's benefit and not for changed field conditions, unknown field conditions or added scope of work. The work related to this project will be completed within one hundred eighty calendar days (180) from notice-to-proceed with the understanding that the filling of the wetlands needs to be complete by the end of September 2023.

This lump sum proposal is inclusive of only those services noted on the attached fee summary and which are anticipated at this time. No services or work other than those noted in the fee proposal are included. In addition, any unknown condition(s) which may surface during construction or any other increase in scope of services may result in a request for applicable fees. No work will proceed however, without first obtaining approval from the City for any applicable services.

This proposal includes the following approach as clarified via email:

- Fill the blue and orange wetland areas to adjacent grades starting from the east moving towards the west with the existing stockpiles onsite until said stockpiles are depleted.
- The blue and orange mitigation areas that will be filled with existing stockpiles will be cleared, grubbed and stripped of topsoil.
- Once stockpiled materials onsite are exhausted, all remaining blue and orange mitigation areas will be cleared, grubbed and filled with existing soils removed from the previous blue and orange mitigation areas to adjacent grades or higher to not leave any stockpiles. These areas

will not be stripped of topsoil and the fill placed in these areas will be strippings/topsoil.

- It is understood that not all blue and orange areas will be stripped and backfilled with on-site stockpiled materials.

Design and permitting is limited to the scope in GAI's letter. If Ten-set approval is required, assistance will be required to get approvals by the end of May 2023. This proposal assumes the stockpiled materials onsite will be utilized as suitable fill. No densities or CMT services is included in this proposal. It is JBCCI's understanding that the purpose of this work is to clear, fill and stabilize the wetlands for mitigation purposes with SJRWMD. This proposal assumes the unsuitable / muck / strippings average is less than two feet thick. If the quantity of unsuitables encountered is greater than the quantity in the fee summary, a change order shall be required. This proposal is based on existing conditions and weather could cause additional dewatering that is not anticipated in this proposal.

Due to the volatility of materials and the constant fluctuations in material pricing/availability, this proposal is valid for 30 days and assumes Construction can commence 45 days from NTP.

We are again very appreciative of the opportunity to provide you with our design-build services. Should you have any questions or need any further information, please do not hesitate to contact us.

Regards,
J.B. Coxwell Contracting, Inc.

Josh Sowards

Josh Sowards
Director of Design Build Services

EXHIBIT Q-1

Date: 05/22/2023
Project: Project Raptor
Design-Build Construction Delivery for City of Jacksonville
City Contract No. : 71754-22

Item	Quantity	U/M	Unit Price	Amount
WETLAND MITIGATION - BLUE AREAS				
General Conditions	1.00	LS	$ 165,194.73	$ 165,194.73
Clearing & Grubbing	41.00	AC	$ 6,719.51	$ 275,499.91
Erosion Control	1.00	LS	$ 110,428.95	$ 110,428.95
Site Strippings (Stockpiled Onsite)	130,458.00	CY	$ 7.11	$ 927,556.38
Stockpile - Load/Haul	155,944.00	CY	$ 5.62	$ 876,405.28
Stockpile - Place & Compact	155,944.00	CY	$ 2.25	$ 350,874.00
Stripping Stockpile - Load/Haul	27,445.00	CY	$ 5.62	$ 154,240.90
Stripping Stockpile - Place & Compact	27,445.00	CY	$ 2.25	$ 61,751.25
Site Grading	195,971.00	SY	$ 0.99	$ 194,011.29
Grassing (Seed & Mulch)	195,971.00	SY	$ 0.50	$ 97,985.50
Subtotal - Wetland Mitigation				**$ 3,213,948.19**
Contingency	5.0%			$ 160,697.41
Bond				$ 67,492.91
Design Builder Fee	7.5%			$ 258,160.39
Wetland Mitigation - Blue Areas Total				**$ 3,700,298.90**
WETLAND MITIGATION - ORANGE AREAS				
General Conditions	1.00	LS	$ 110,129.83	$ 110,129.83
Clearing & Grubbing	27.00	AC	$ 7,833.33	$ 211,499.91
Erosion Control	1.00	LS	$ 50,647.64	$ 50,647.64
Site Strippings (Stockpiled Onsite)	4,853.00	CY	$ 7.11	$ 34,504.83
Stockpile - Load/Haul	4,452.00	CY	$ 5.62	$ 25,020.24
Stockpile - Place & Compact	4,452.00	CY	$ 2.25	$ 10,017.00
Stripping Stockpile - Load/Haul	107,866.00	CY	$ 5.62	$ 606,206.92
Stripping Stockpile - Place & Compact	107,866.00	CY	$ 2.25	$ 242,698.50
Site Grading	127,344.00	SY	$ 0.99	$ 126,070.56
Grassing (Seed & Mulch)	127,344.00	SY	$ 0.50	$ 63,672.00
Site Prep - Stripping Stockpile Area & Road	1.00	LS	$ 90,179.46	$ 90,179.46
Subtotal - Wetland Mitigation				**$ 1,570,646.89**
Contingency	5.0%			$ 78,532.34
Bond				$ 32,983.58

Date: 05/22/2023
Project: Project Raptor
Design-Build Construction Delivery for City of Jacksonville
City Contract No. : 71754-22

Item	Quantity	U/M	Unit Price	Amount
Design Builder Fee	7.5%			$ 126,162.21
Wetland Mitigation - Orange Areas Total				**$ 1,808,325.02**
WETLAND MITIGATION - DESIGN & PERMITTING				
GAI Design & Permitting Services	1.00	LS	$ 15,784.51	$ 15,784.51
JBCCI Preconstruction Assistance	1.00	LS	$ 2,250.00	$ 2,250.00
Subtotal - Wetland Mitigation				**$ 18,034.51**
Contingency	0.0%			$ -
Bond				$ 360.69
Design Builder Fee	7.5%			$ 1,379.64
Wetland Mitigation - Design & Permitting Total				**$ 19,774.84**
WETLAND MITIGATION (BLUE and Orange, Design & Permitting) GRAND TOTAL				**$ 5,528,398.76**

EXHIBIT Q-1

gai consultants
transforming ideas into reality

May 8, 2023

Josh Sowards
Project Manager
J. B. Coxwell Contracting, Inc.
6741 Lloyd Road
Jacksonville, FL 32254

Subject: RFQ: CDB-0132-21: Cecil Megasite Wetland Mitigation

Dear Mr. Sowards,

GAI Consultants, Inc. (GAI) respectfully submits the following Scope of Services and Design Fee Proposal to complete wetland mitigation for the subject project, in accordance with the Design Criteria Package (DCP) issued on May 1, 2023 which is attached hereto for reference.

To issue construction documents for the proposed wetland impacts referenced in the DCP, GAI will provide for the following scope of work.

- Review the documents provided with the DCP
- Develop clearing and adjacent elevation grading plans for the proposed wetland impacts, consistent with the requirements of the DCP
- Develop erosion and sediment control plans in accordance with the DCP
- Provide the plans to City Staff and JB Coxwell Contracting, Inc (JBCCI) for review and feedback. GAI will revise the drawings up to one (1) time as part of this review.
- Provide for Post-Design/Construction Administration Support Services to JBCCI. Ass
- Assist the City and JBCCI with permit close out services

GAI understands that JBCCI will pursue a site clearing permit with the documents developed by GAI, and therefore, no 10-set permitting is anticipated or included in this scope of work. No permitting with any other agencies is included as the St Johns River Water Management District permits for the proposed wetland impacts have been issued or are in the process of being issued already under the signed and sealed plans by others. It is assumed that the CAD files for those plans will be provided for GAI and that GAI will not be required to survey the subject site, nor develop these drawings from scratch.

Thank you for the opportunity to submit this proposal. I trust that this proposal meets with your expectations. If you have any questions, please feel free to contact us for further discussion.

Sincerely,

Nick Mousa, AICP
Assistant Vice President

Attachments: Fee Summary
DCP dated May 1, 2023

Exhibit A - Page 1 of 1
CONTRACT FEE SUMMARY FOR
Cecil Megasite Wetland Mitigation

PART I - GENERAL	
1. Project - D/B Construction Delivery for COJ Cecil Megasite Wetland Mitigation	**2. Project Number**
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal** 5/8/2023

PART II - LABOR RELATED COSTS

5. DIRECT LABOR	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 111.33	2	$ 222.66	
Project Manager (Responsible Prof.)	$ 105.88	8	$ 847.04	
Senior Project Engineer	$ 78.98	5	$ 394.90	
Project Engineer	$ 63.07	16	$ 1,009.12	
Engineer Intern	$ 37.70	28	$ 1,055.60	
Senior Designer	$ 46.78	32	$ 1,496.96	
Designer/Sr. CADD Technician	$ 35.84	0	$ 0.00	
CADD Technician	$ 29.37	0	$ 0.00	
Clerical	$ 26.93	2	$ 53.86	
Survey Manager (PSM)	$ 69.29	0	$ 0.00	
Three Man Survey Crew	$ 100.21	0	$ 0.00	
			TOTAL DIRECT LABOR	**$ 5,080.14**

6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 177.99%		$ 9,042.14
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)		**$ 14,122.28**
8. PROFIT: Labor Related Costs (Item 7)	x 10%	$ 1,412.23
SUB-TOTAL SALARY RELATED COSTS		**$ 15,534.51**

PART III - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS (Lump Sum) Misc. Direct Expenses (Lump Sum)	$ 250.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ 250.00**
10. SUBCONTRACTS	$ -
SUB-CONTRACT SUB-TOTAL	**$ -**

PART IV - SUMMARY

TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)	**$ 15,784.51**

EXHIBIT Q-1

ONE CITY ONE JACKSONVILLE

CITY OF JACKSONVILLE, FLORIDA
PUBLIC WORKS DEPARTMENT

DESIGN CRITERIA PACKAGE

ISSUED TO:

J.B. COXWELL CONTRACTING, INC.

FOR

Cecil Megasite Wetland Mitigation

RELEASE DATE: 5/1/2023

PREPARED BY:

PUBLIC WORKS DEPARTMENT

ENGINEERING AND CONSTRUCTION MANGEMENT DIVISION

May 2023

RICHARD N. WESTHEMIER
LICENSE
No 84657
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

EXHIBIT Q-1

CECIL MEGASITE WETLAND MITIGATION

DESIGN CRITERIA PACKAGE

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CITY OF JACKSONVILLE, FLORIDA

CECIL MEGASITE WETLAND

DESIGN CRITERIA PACKAGE

RELEASE DATE: 5/1/2023

INTRODUCTION

A **"Design Criteria Package"** provides concise, performance-oriented drawings and/or specifications for a public construction project. The purpose of the design criteria package is to furnish sufficient information to allow a Design Build Firm to prepare a proposal consisting of the Technical Proposal, the Guaranteed Maximum Price and the Guaranteed Completion Date and to permit the City to conduct legitimate, arms-length discussions and conferences to reach an agreement with the Design Build Firm on terms of the Guaranteed Maximum Price and the Guaranteed Completion Date.

The City of Jacksonville has selected a design build contract for this project. The following Design Criteria Package specifies performance-based criteria for the design, permitting, and mass grading of N1/N2 Parcel just North of POW/MIA Parkway.

The following are legal authorities governing this solicitation:

1. Section 287.055, Florida Statutes – Consultants' Competitive Negotiation Act
2. Chapter 126, Part 7 Design-Build Contracts, Ordinance Code, City of Jacksonville, Florida
3. Chapters 471 and 489, Florida Statutes.

When awarded the Project, the Design Build Firm shall be responsible for the complete design, permitting, and construction of the Project in compliance with the provisions of this Design Criteria Package and the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

The Design Criteria Package shall become an integral part of a Purchase Order issued as provided in the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects with J.B. Coxwell Contracting, Inc.

SECTION 1

DEFINITIONS AND TERMS

1-1 GENERAL.

The City of Jacksonville ("The City"), Public Works Department put together and approved the following Plans and Specifications called "The Design Criteria Package (DCP)" for the purpose of allowing the selected Design Build Firm to prepare the Technical Proposal (TP), proposed Guaranteed Maximum Price (GMP), and proposed Guaranteed Completion Date (GCD) within **7 calendar days from the release date of the DCP.**

The Design Build Firm shall submit its proposal to perform a constructability review / value engineering analysis, construction plans and construct wetland mitigation on a site just north of POW/MIA Parkway identified as a approximately a 250 acre portion of a parcel identified as N1/N2. Submit the proposal, consisting of the Technical Proposal, the Guaranteed Maximum Price and the Guaranteed Completion Date, to the City's Project Manager, Robin Smith, P.E., Engineering and Construction Management Division, 10th floor at 214 N Hogan Street, Jacksonville, FL 32202 no later than 3:00 P.M. on May 8, 2023.

The City intends to commence project negotiations within 1 week after the proposal is received.

The provisions of this DCP represent the technical, material, and quality requirements for the foregoing project. The Design Build Firm is bound by these requirements during the design, permitting and construction of the site.

The Design Criteria Professional may amend the provisions of the DCP after it has been released to the Design Build Firm but prior to the expiration of the 7-day period designated for submitting the TP, the GMP, and the GCD to the City.

A DCP amendment may be issued at the City's initiative or at the request of the Design Build Firm, if the amendment is in the best interest of the City.

Sentences that direct the Design Build Firm to perform work are written in the active voice-imperative mode in the form of commands. The subject of these commands is clearly understood as the "Design Build Firm".

1-2 ABBREVIATIONS.

The following abbreviations, when used in the DCP, represent the full text as shown:

ANSI	American National Standard Institute, Inc.
ASCE	American Society of Civil Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
AWWA	American Water Works Association
CRSI	Concrete Reinforcing Steel Institute
EPA	Environmental Protection Agency of the United States Government
FBC	2007 Florida Building Code System
FDEP	Florida Department of Environmental Protection
ICC	International Code Council
JEA	JEA aka Jacksonville Electric Authority
MSTCSD	Minimum Specifications for Traffic Control Signals and Devices
MUTCD	Manual on Uniform Traffic Control Devices
NEC	National Electrical Code (NFPA No. 70, 2005 Edition)
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
UL	Underwriters' Laboratories

1-3 APPLICABLE STANDARDS, SPECIFICATIONS, TEST METHODS, AND CODES.

The Design Build Firm shall use standards, specifications, test methods, or other codes as specified in the Standard Specifications for the City of Jacksonville, Public Works Department. Use the most current editions of standards, specifications, test methods, or codes at the time of submitting the bid.

1-4 DEFINITIONS.

The following terms, when used in the DCP, have the meaning as described:

Calendar Day: Every day shown on the calendar, ending and beginning at midnight.

City: The City of Jacksonville, Florida, including its Procurement Division, and the Public Works Department.

Change Order: A written order issued by the City and accepted by the Design Build Firm as provided in the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

Consultant: The Professional Engineer or Engineering Firm registered in the State of Florida. The consultant may be the Engineer of Record or may provide services to the Engineer of Record.

Contract Bond: The security furnished by the Design Build Firm for the purpose of the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

Contract Claim (Claim): A written demand submitted to the City (Chief of the Engineering and Construction Management Division or his Designee) by the Design Build Firm seeking additional monetary compensation, time, or other adjustments to the Contract, the City disputes the entitlement or impact of which. Refer to Executive Order NO. 98-01 issued by the Mayor of the City of Jacksonville. Refer to 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

Contractor: For the purpose of this solicitation, the term "Contractor" is deemed to mean a Design Build Firm submitting the TP, the GMP and the GCD.

Design Build Firm (DBF) or Design-Builder: Design Build Firm means J.B. Coxwell Contracting, Inc. being under a City Contract to perform design build services.

Design Build Contract: Design Build Contract means the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

Engineer: The Chief of the Engineering & Construction Management Division, Public Works Department, City of Jacksonville ("City Engineer"), acting directly or through his duly authorized representatives; such representatives acting within the scope of the duties and authority assigned to them. In order to avoid cumbersome and confusing repetition of expressions in this Design Criteria Package, it is provided that whenever anything is, or is to be done, if, as, or, when, or where "acceptable, accepted, approval, approved, authorized, condemned, considered necessary, contemplated, deemed necessary, designated, directed, disapproved, established, given, indicated, insufficient, ordered, permitted, rejected, required, reserved, satisfactory, specified, sufficient, suitable, suspended, unacceptable, or unsatisfactory," it shall be understood as if the expression were followed by the words "by the Engineer", "to the Engineer", or "of the Engineer".

Engineer of Record (EOR): The Professional Engineer or Engineering Firm registered in the State of Florida that performs services for the Design Build Firm.

Equipment: The machinery and equipment, together with the necessary supplies for upkeep and maintenance thereof, and all other tools and apparatus necessary for the construction and acceptable completion of the work.

Extra Work: Any work which is required by the Engineer to be performed and which is not otherwise covered or included in the project by the existing Contract Documents, whether it is in the natural of additional work, altered work, deleted work, work due to different site conditions, or otherwise. This term does not include a "delay".

Guaranteed Completion Date (GCD): This means the date by which the Design Build Firm shall receive substantial completion of the project as provided in the Purchase Order issued based on 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

Guaranteed Maximum Price (GMP): The total maximum cost to be paid by the City for Design Build Firm's complete performance under the Design Build Contract Documents, including, without limitations, final completion of all work, all services of the Design Build Firm under the Contract, and all fees, compensation, and reimbursements to the Design Build Firm as provided in the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

Holidays: Days designated by the City as holidays, which include, but are not limited to New Year's Day, Martin Luther King's Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day and the following Friday, Christmas Eve, and Christmas Day.

Inspector: An authorized representative of the Engineer, assigned to make official inspections of the materials furnished and of the work performed by the Design Build Firm.

Laboratory: The official testing laboratory used by the City.

Materials: Any substances to be incorporated in the work under the Contract.

Plans: The signed, sealed, and dated plans, drawings and specifications prepared by the Engineer of Record and accepted by the Engineer, including reproductions thereof, showing location, character, dimensions, technical requirements, and details of the work to be performed under the Contract. Upon review by the

Engineer, the plans will be stamped "Released for Construction", dated, and initialed by the Engineer.

Project: Describes all activities and work necessary for the design, permitting, and construction of the Times Union Center bulkhead segment together with other work listed in this DCP.

Project Manager: Means a licensed design professional appropriate to the project employed by the City, who serves as the City's representative and who is responsible for the administration of the design build project.

Project Site: Means the specific location of the bulkhead to be replaced under the Contract.

Special Provisions: Specific clauses adopted to the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

Superintendent: The Design Build Firm's authorized representative in responsible charge of the work under the Contract.

Technical Proposal (TP): Describes engineering plans, specifications, and calculations prepared by the Design Build Firm who is submitting the Guaranteed Maximum Price and the Guaranteed Completion Date during contract negotiation with the City. The design shall be sufficiently defined by drawings, a narrative, and outline specifications to enable the City to evaluate the level of quantity and quality of the proposed design and construction based on the DCP. The TP will also serve as the comprehensive documentation enabling the City to determine the reasonableness of the GMP and the GCD. The TP shall become an integral part of the Design Build Contract.

Working Day: Any calendar day on which the Design Build Firm works or is expected to work at the construction site in accordance with the approved work progress schedule.

SECTION 2

PROJECT CONDITIONS

2-1 GENERAL

This DCP is for the mass grading for specific wetland mitigation on a 250 acre portion of the Cecil Commerce N1/N2 Parcel just north of POW/MIA Parkway. It is anticipated that all work will take place within the existing City right of way and/or City owned property. There are no known utilities within this site.

The following documents are included in the appendices:

a. Permits – SJRWMD Phase Blue
b. Permits – SJRWMD Phase Orange (Pending)
c. ERS Wetland Mitigation Exhibit
d. Preliminary Mass Grading Plans and CADD (Not for Construction) Phase Blue and Orange

The Design Build Firm shall further inspect and examine the project site by such means as it may prefer before submitting its Technical Proposal.

2-2 SPECIAL CONDITIONS

a. A contractor's Office at the construction site shall not be required.

b. The Design Build Firm to complete wetland mitigation up unto September 22, 2023. Other site work may be completed after September 22, 2023.

c. The Design Build Firm shall be cognizant of wetland areas immediately adjacent to the project that cannot be disturbed. The City has limited "wetland credits" and budget to execute this project and scope additions outside the identified wetland mitigation areas will not be allowed.

d. The Design Build Firm shall inform itself concerning the location of existing utilities, pipelines, and structures of every type which may interfere with the work. J.B. Coxwell Contracting, Inc. shall at all times conduct his operation so as to interfere with existing utilities as little as possible. All existing utilities, pipes, wires, and other structures or items which must be preserved in place shall be protected from damage by the Design Build Firm. Should such items be damaged as a result of J.B. Coxwell Contracting, Inc.'s operations, they shall be restored by J.B. Coxwell Contracting, Inc. to at least as good condition as that in which they were found immediately before the work began, at no additional cost to the City.

e. Insurance, indemnification, and project bonds shall be as provided in the 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

SECTION 3

SCOPE OF WORK

3-1 GENERAL.

It is intended that the Design Build Firm's proposal shall include all labor, equipment, materials, and services necessary to complete the work. The designers are cautioned to familiarize themselves with existing site conditions and to include all incidental work that might occur. J.B. Coxwell Contracting., Inc. and all of his/her Subcontractors shall visit the site and become fully aware of and familiar with all existing conditions relating to this Project. The Design Build Firm shall prepare the proposal in full understanding of the conditions that may be encountered and the resultant responsibilities in connection therewith.

3-2 DESIGN AND PERMITTING

a. The City has secured SJRWMD permitting for Phase Blue and Pending Approval on Phase Orange.

b. The Design Build Firm will complete any necessary City permits required for construction (i.e. 10-Set Approval, Clearing Permits, Etc.).

3-3 CONSTRUCTION

a. For all construction requirements, conditions, and provisions that bind the Design Build Firm, refer to 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

b. The Design Build Firm shall be solely responsible for ensuring the safety of its crews, employees, and subcontractors, along with the safety of the public, as the work that is required by the Contract documents is performed.

c. Maintain safe access to private properties at all times.

d. Contact utility companies through Sunshine 811 via phone at 811 or (800) 432-4770 prior to commencing any excavation work.

f. The Design Build Firm is to fill wetland areas to adjacent grades to fulfill wetland mitigation criteria.

SECTION 4

SUBMITTAL OF TP, GMP AND GCD

4-1 GENERAL

The Design Build Firm shall submit its proposal consisting of the following elements:

a. Technical Proposal as defined in Sections 1 thru 3 of this DCP and in 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

b. Separate Cost of the Work consisting of the cost as defined in 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

c. Proposed Design Build Firm's Contingency as provided in 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

d. Proposed Design Build Firm's Fees as provided in 2022 City Contract for Design Build Services for Horizontal/Civil Engineering (Horizontal) Design-Build Projects.

e. Proposed construction time upon which the proposed GMP is based together with the schedule upon which the GCD is based.

f. A statement of additional services.

g. The time limit for acceptance of the GMP Proposal.

END OF THE DESIGN CRITERIA PACKAGE.

APPENDIX A

PERMITS

> SJRWMD Permit Letter for Phase Blue - Attached

(The remainder of this page intentionally left blank).

APPENDIX B

ERS Wetland Mitigation Exhibit

> Exhibit - Attached

(The remainder of this page intentionally left blank).

APPENDIX C

PLANS

> Preliminary Mass Grading Plans and CADD (Not for Construction) Phase Blue

> Preliminary Mass Grading Plans and CADD (Not for Construction) Phase Orange

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N
LEGEND

EXHIBIT D-1

CITY OF JACKSONVILLE NOTES

GENERAL

[illegible]

UTILITY WORK

[illegible]

WORK WITHIN THE RIGHT-OF-WAY

CITY [illegible]

Development Services Customer Service Center
Edward Ball Building 2nd Floor
214 N. Hogan St.
Jacksonville, FL 32202
(904) 255-8572
http://www.jacksonville.com/

STATE [illegible]

Adjacent State Roads

RAILROAD [illegible]

STORMWATER

[illegible]

Engineering and Construction Management
Ed Ball Building 10th Floor
214 N. Hogan St.
Jacksonville, FL 32202
http://www.coj.net/departments/public-works/engineering-and-construction-management.aspx

[illegible]

Florida Department of Environmental Protection
NPDES Stormwater Notice Center http://www.dep.state.fl.us/water/stormwater/npdes/
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
1-866-336-0091
http://www.dep.state.fl.us/water/stormwater/npdes/

[illegible]

Northeast District Office
159 North Lewis Street, Third Floor
Jacksonville, FL 32202
(904) 256-1700

FIRE MARSHALL

[illegible]

Underground mains and hydrants shall be installed completed and in service prior to construction work.

Underground contractor shall submit to the Fire Marshal for approval complete specs for all underground pipe and fittings relating to fire protection PRIOR to installation and inspection. Contractor shall include manufacturer's name and pipe ID along with distribution & date tracker number.

LANDSCAPE

A Site Work Permit is required for this project.

☐ Tree Fund payment is due _____ multiplied by $ _____ = $ _____

☐ Article 25 funds are due _____ multiplied by $ _____ = $ _____

TRAFFIC ENGINEERING

TRAFFIC SIGNS

Motor Marine (each)

Standard (each)

Sign/Pole only (each)

Design (per plan) _____ per plan

Installation (per hour) _____ (per 2 signs installed up)

Sandblasting Required

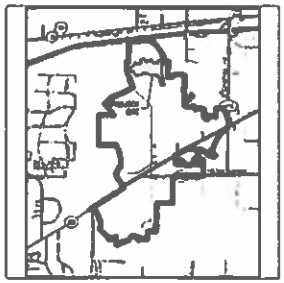
NOTE: Traffic sign costs change from time to time. Consult Attachment E of the Land Development Procedures Manual (http://www.coj.net/) for the current rates before paying for any sign installations.

No lane closures allowed from 7 a.m. 000 a.m. and from 4 p.m. 00 p.m.

[illegible]

N1 / N2 EXPANSION REAUTHORIZATION

CITY OF JACKSONVILLE



LOCATION MAP
N.T.S.

PREPARED FOR CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

England-Thims & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, FL 32258
TEL: (904) 642-8990
FAX: (904) 646-9485
CA - 0000 2584 LC - 0000310

DRAWING INDEX			
PDF SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	REVISION
1	1	COVER SHEET	
2	2	SIGNATURE SHEET	
3	3	GENERAL NOTES & LEGEND	
4	4	MASTER LAND USE/ZONING PLAN	
5-14	01-10	MAIN ENGINE PLAN	
15	5	ERSION AND SEDIMENT CONTROL PLAN	
16	6	ERSION AND SEDIMENT CONTROL DETAILS	
17	7	STORMWATER POLLUTION PREVENTION PLAN	
18	8	STORMWATER POLLUTION PREVENTION CONTRACTORS CERTIFICATION	
19	1	COVER SHEET	
20	2	SIGNATURE SHEET	
21	3	GENERAL NOTES & LEGEND	
22	4	MASTER LAND USE/ZONING PLAN	
23-27	01-07	MAIN ENGINE PLAN	
28	5	ERSION AND SEDIMENT CONTROL PLAN	
29	6	ERSION AND SEDIMENT CONTROL DETAILS	
30	7	STORMWATER POLLUTION PREVENTION PLAN	
31	8	STORMWATER POLLUTION PREVENTION CONTRACTORS CERTIFICATION	

PLAN APPROVAL

_____ Date _____ Development Services Division (Chief)

_____ Date _____ Review Group (Reviewer)

Plan approval valid for five years after the initial approved date. Revisions made after the initial approved date do not extend this five year time frame.

PLAN APPROVAL IS SUBJECT TO THE FOLLOWING NOTES AND CONDITIONS:

_____

GENERAL PROJECT INFO.

GENERAL
City Development Number
Concurrency Application Number
Property Appraiser Number (RE #)
Zoning Designation
ZONING Application(s) (if any)

PUD Ordinance Number
Plan - Community - Plans
Road Zones (Close to Plans)
Road Zone Cor. (Close to Plans)
Vertical Datum Used for Project — NAVD 88
JEA Availability Number

SUBDIVISION
Plat Number
City or Private Inspection
Public or Private Roads
Subdivision ("Plat") Site Problem?

NON-SUBDIVISION
North American Industry Classification System (NAICS)
Impervious Area (Sq. Ft.)

VERTICAL DATUM USED FOR THIS PROJECT: NAVD 88

FOR AGENCY REVIEW ONLY

PLANS PREPARED UNDER THE DIRECTION OF:

SCOTT A. MILLER, P.E.
P.E. NUMBER 41630

REVISIONS

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

ETM
VISION • EXPERIENCE • RESULTS

England-Thims & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, FL 32258
TEL: (904) 642-8990
FAX: (904) 646-9485
WWW.ETM-INC.COM

COVER SHEET

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER 1

[illegible]

DRAWING INDEX

POF SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	REVISION
1	1	COVER SHEET	
2	2	SIGNATURE SHEET	
3	3	GENERAL NOTES & LEGEND	
4	4	WATER MAIN DRAWING PLAN	
5-13	5A-C	GAS DRAWING PLAN	
14	8	EROSION AND SEDIMENT CONTROL PLAN	
15	9	EROSION AND SEDIMENT CONTROL DETAILS	
16	7	STORMWATER POLLUTION PREVENTION PLAN	
17	8	STORMWATER POLLUTION PREVENTION CONSTRUCTION SPECIFICATIONS	

SIGNATURE SHEET

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER

2

ETM

Rudolph & Theis, L.P. Office, Inc.

VENDOR • EXPERIENCE • RESULTS

REV NO. PR-2A

DRAWN BY MJ

REVIEWED BY S.A.

CHECKED BY S.A.

DATE MARCH, 2003

REVISIONS

DATE PROPOSED UNDER P.M. DATED ON 0'.

SCP'T A HLP P.I. P.E. NUMBER 2.000

EXHIBIT G-1

GENERAL SITE NOTES:

GENERAL SITE NOTES:

PAVING AND DRAINAGE NOTES:

WATER, REUSE, & SEWER REQUIREMENTS

WATER, REUSE, & SEWER REQUIREMENTS

PAVING AND DRAINAGE LEGEND

EXISTING	PROPOSED	
	25.5	SPOT ELEVATION
	10	CONTOURS
		BOUNDARY
		DRAINAGE DIVIDE
		STORM SEWER AND SIZE
		STORM SEWER INLET
		STORM SEWER MANHOLE
		MITERED END SECTION
		DRAINAGE FLOW ARROWS

EXISTING	PROPOSED	
		DITCH FLOW ARROWS
		STRUCTURE NUMBERS
		DRAINAGE AREA
		SOIL BORING LOCATION
		UNDERDRAIN
		CONCRETE SIDEWALK
		CONCRETE CURB AND GUTTER
		JURISDICTIONAL WETLANDS
		SILT FENCE
		HAY BALES

WATER AND SEWER LEGEND

EXISTING	PROPOSED	
		SANITARY SEWER LINE
		SANITARY SEWER SERVICE
		SANITARY SEWER MANHOLE
		CLEANOUT
		FORCE MAIN
		WATER MAIN
		REUSE WATER MAIN
		FIRE PROTECTION MAIN

EXISTING	PROPOSED	
		FIRE HYDRANT
		FLUSHING HYDRANT
		GATE VALVE
		REDUCER
		TEE
		BEND
		WATER METER
		BACKFLOW PREVENTER

ETM

VISION • EXPERIENCE • RESULTS

GENERAL NOTES & LEGEND

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER

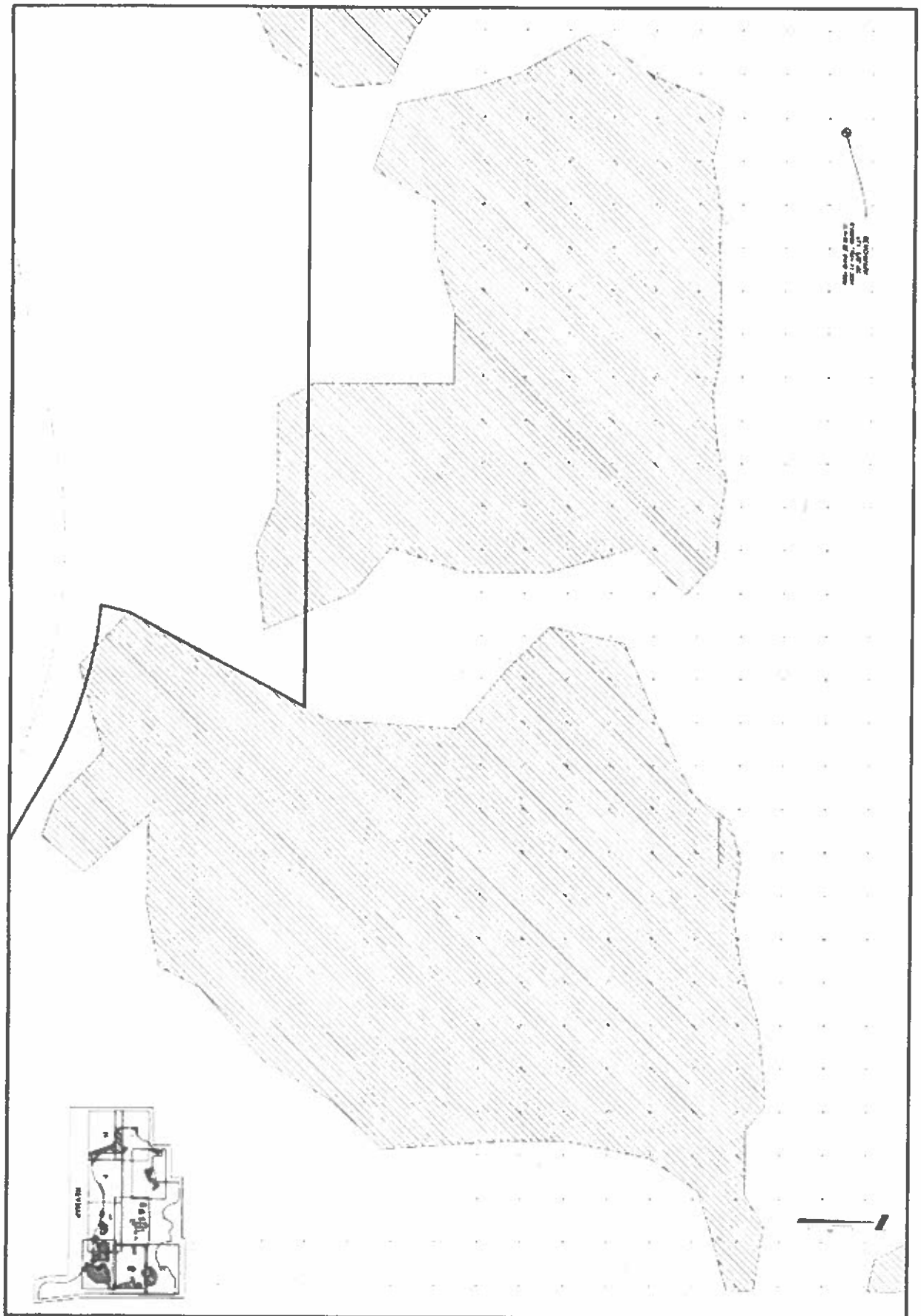
3

MASTER MASS GRADING PLAN

M1 / M2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

4

ETM
VISION • EXPERIENCE • RESULTS



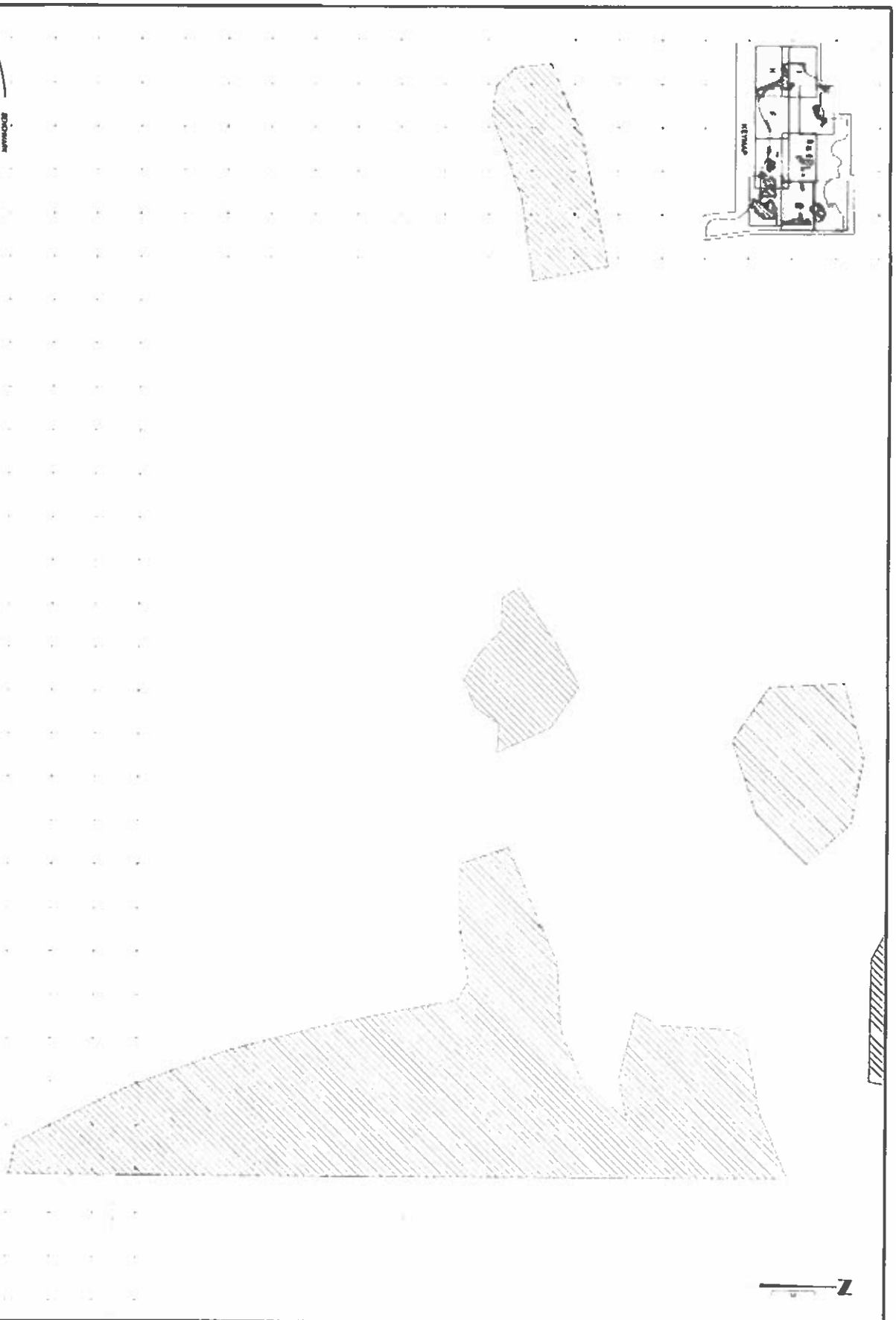
4A

MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM

VISION • EXPERIENCE • RESULTS



MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

ETM

VISION • EXPERIENCE • RESULTS

PLANS PREPARED UNDER THE DIRECTION OF

EXHIBIT C-1

4B

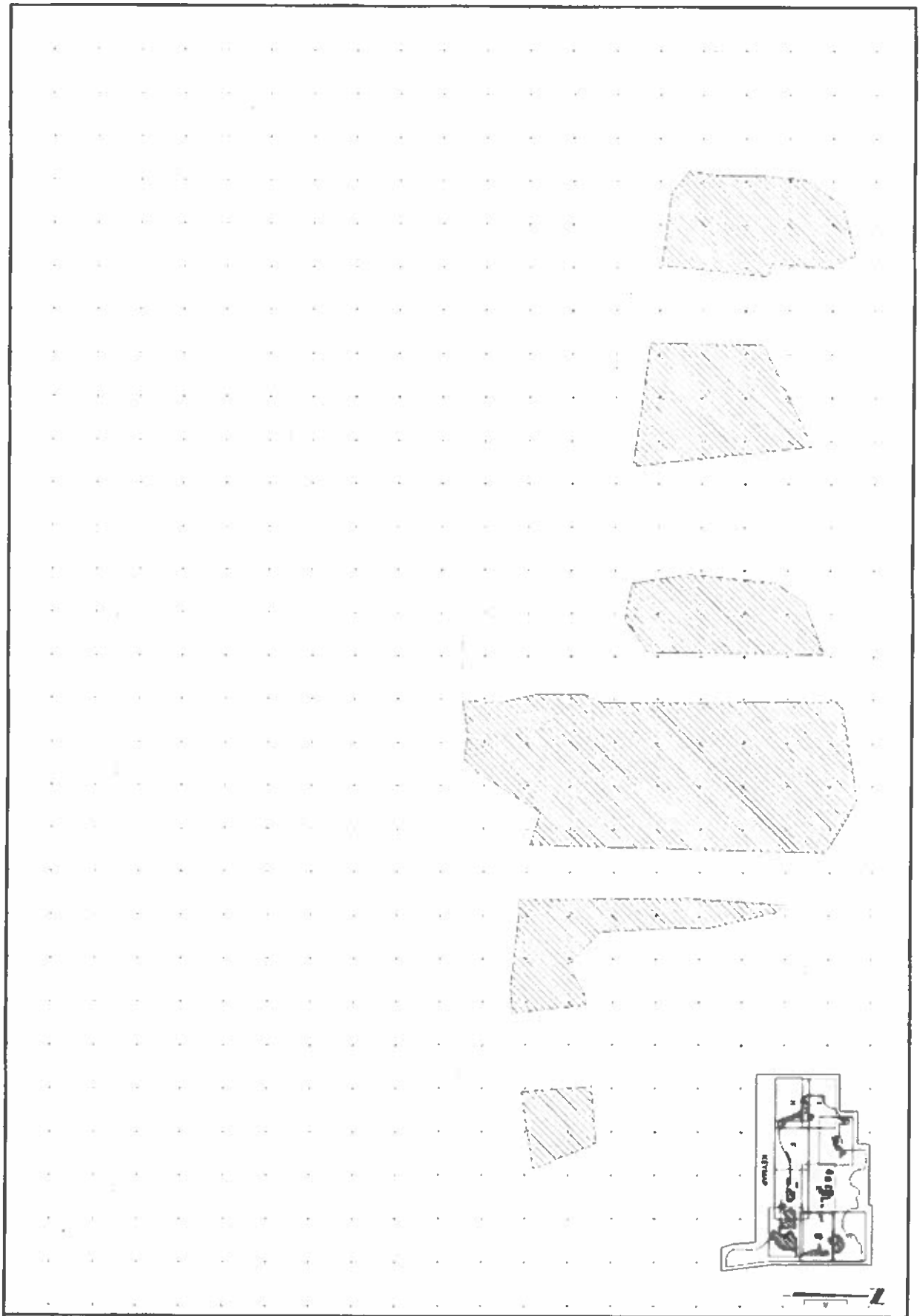
MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

4C

ETM

MASS GRADING PLAN
N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE
ETM
40



MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

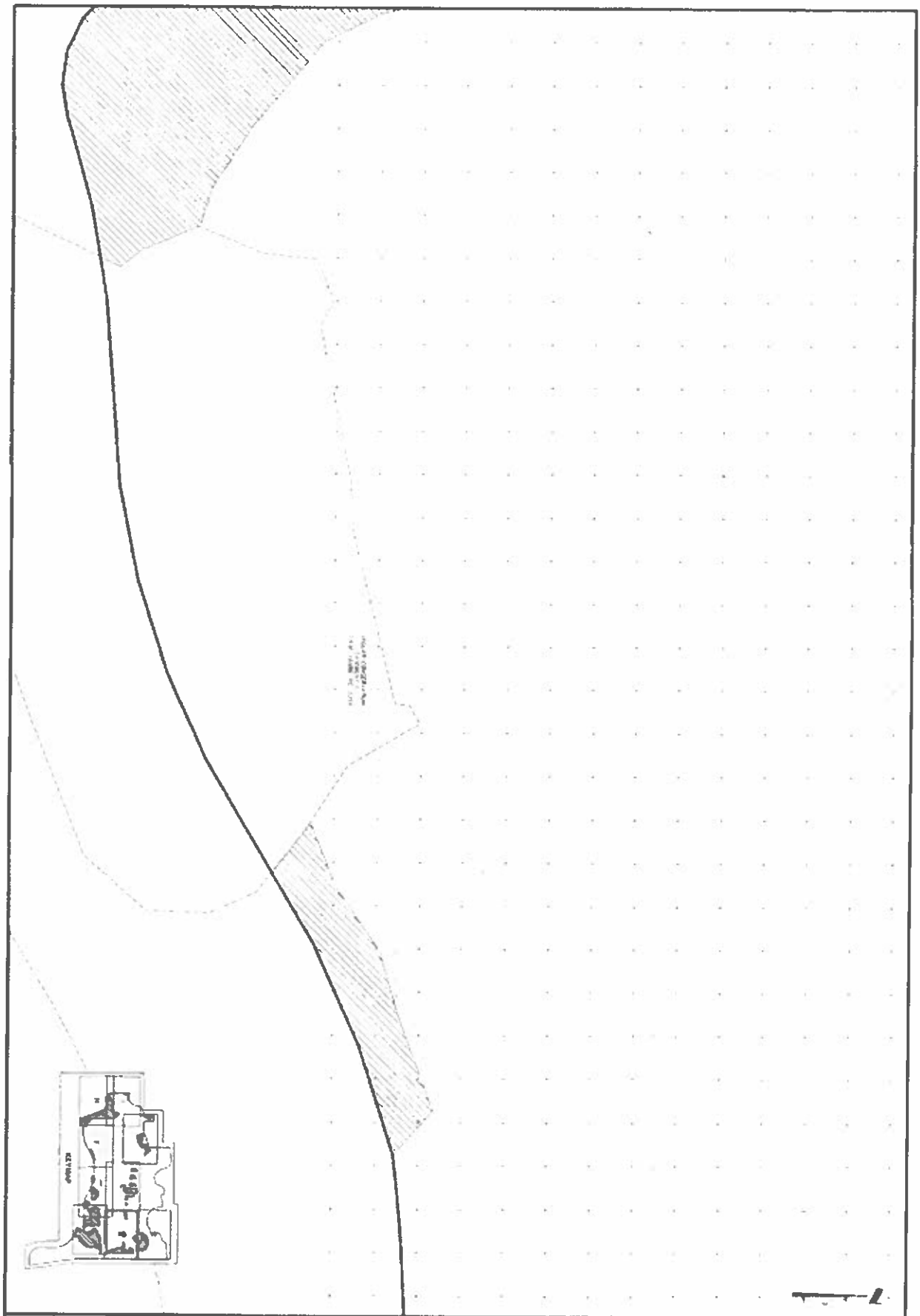
Stackhouse, Tilney & Miller, Inc.

REVISIONS

PLANS PREPARED UNDER THE DIRECTION OF

SCOTT A. WILD, P.E.
P.E. NUMBER 47030

14



MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

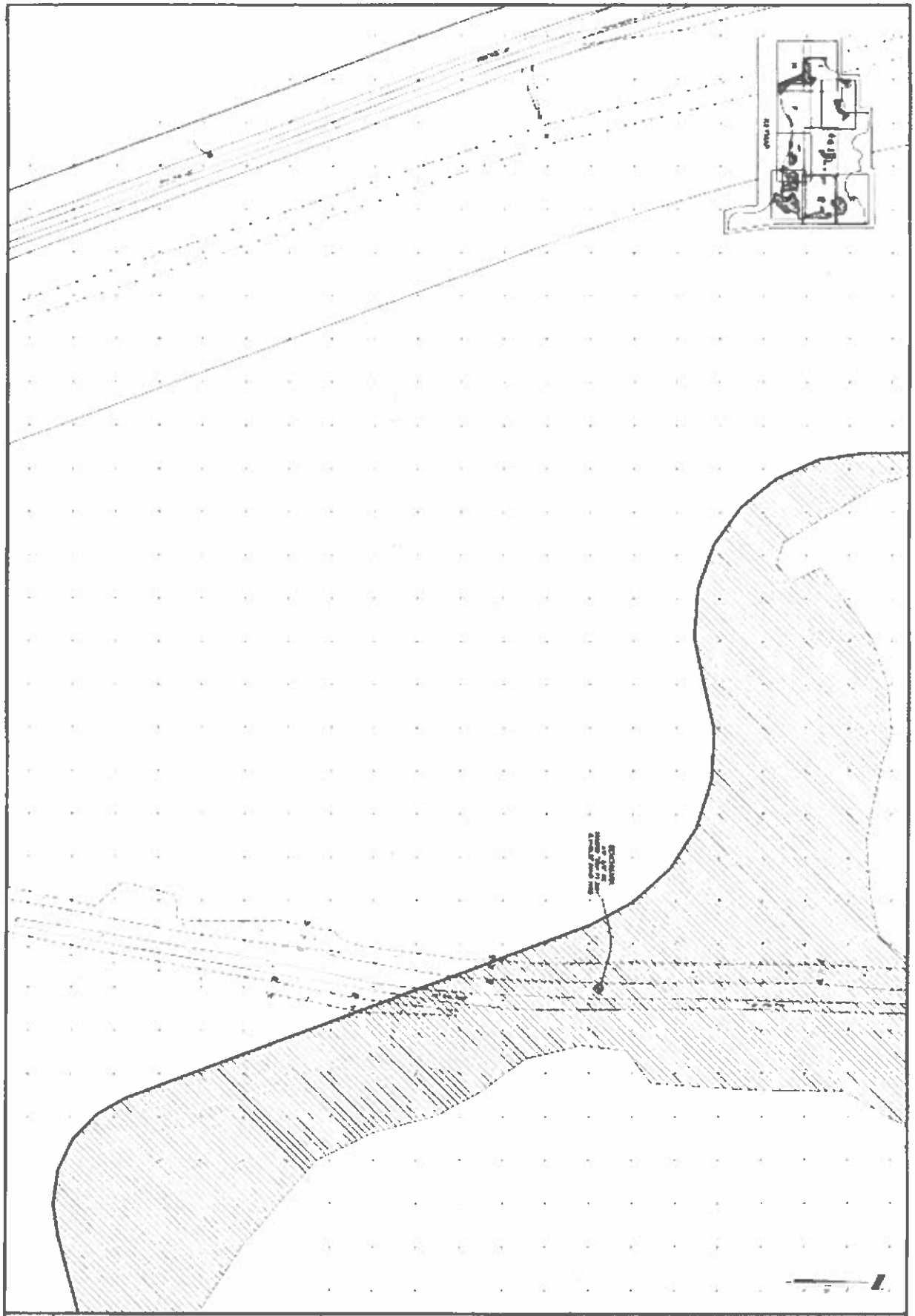
Environmental Technology & Matrix, Inc.

DATE	
DRAWN BY	
CHECKED BY	
DATE	

REVISIONS

PLANS PREPARED UNDER THE DIR. OF:

46

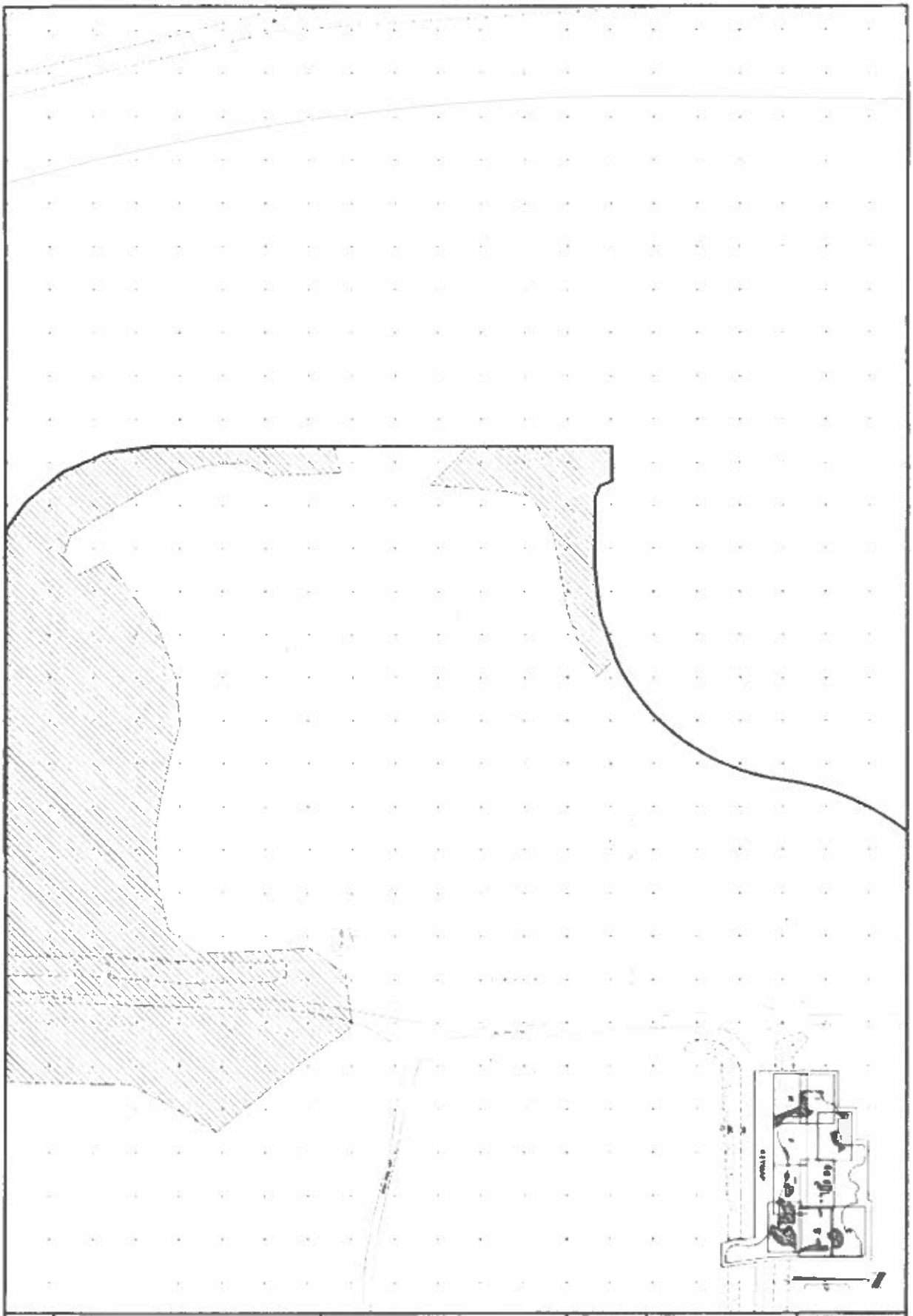


4H

MASS GRADING PLAN

H1 / H2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS



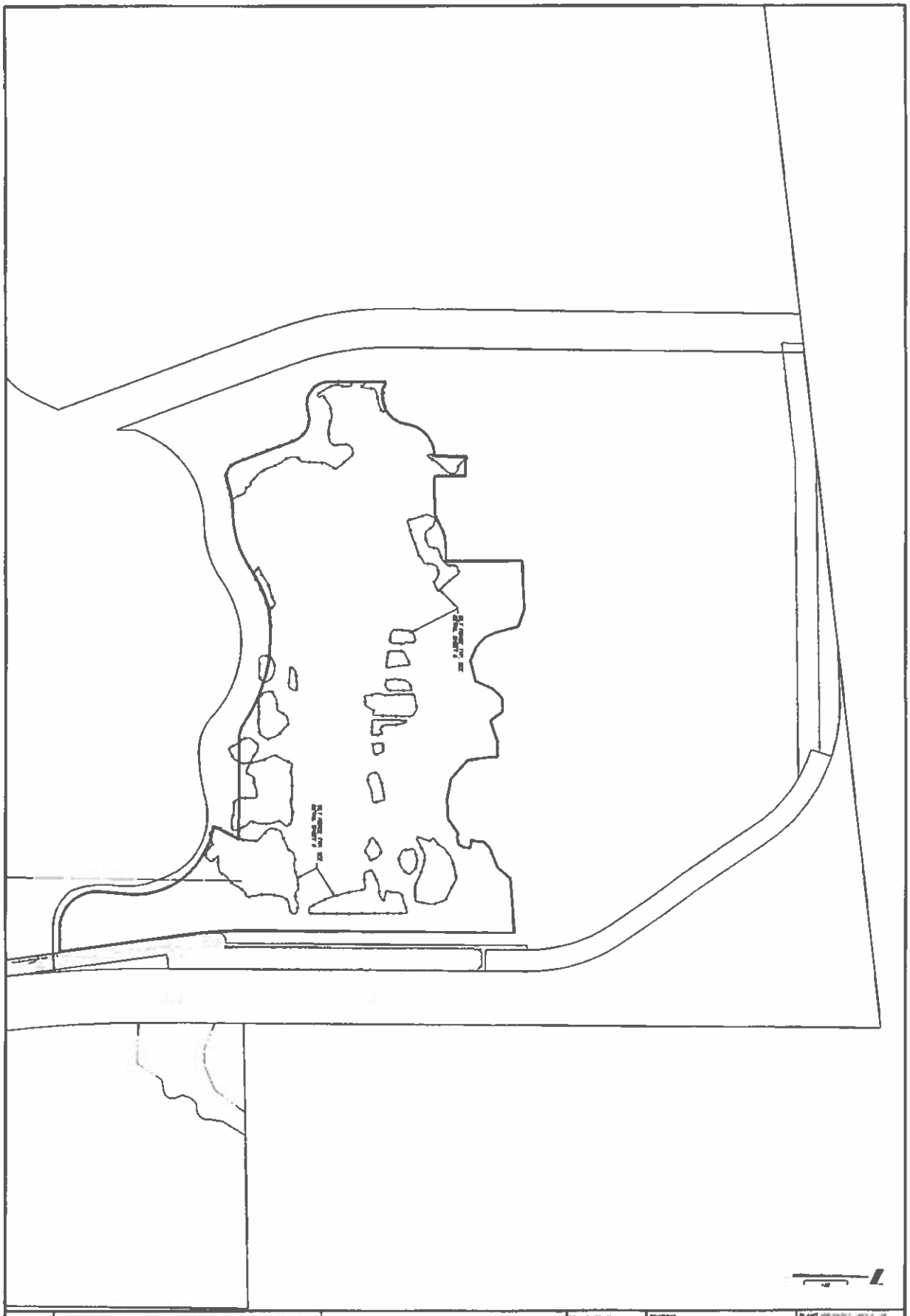
4

MASS GRADING PLAN

M1 / M2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

England-Thims & Miller, Inc.



5

EROSION AND SEDIMENT CONTROL PLAN

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

ETM

VISION • EXPERIENCE • RESULTS

REVISIONS

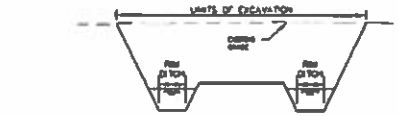
PLANS PREPARED UNDER THE DIRECTION OF:

SCOTT A. WILD, P.E.

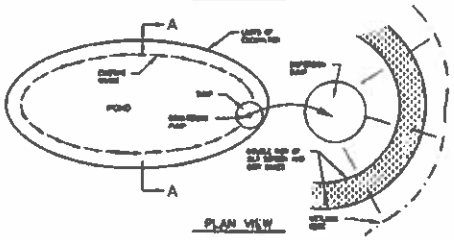
P.E. NUMBER 47030

EXHIBIT D-1

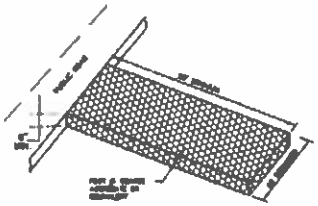
SEDIMENT AND EROSION CONTROL NOTES



SECTION A–A



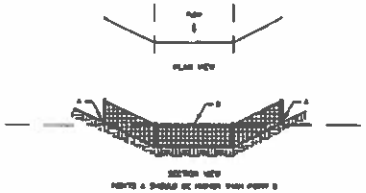
TEMPORARY DEWATERING DETAIL
N.T.S.



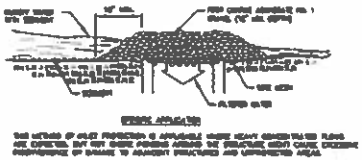
STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

COIR BALE DROP INLET SEDIMENT FILTER
N.T.S.

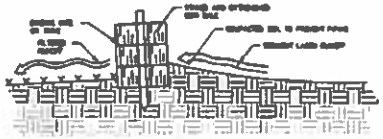
PROPER PLACEMENT OF COIR BALE IN A DRAINAGE WAY
N.T.S.



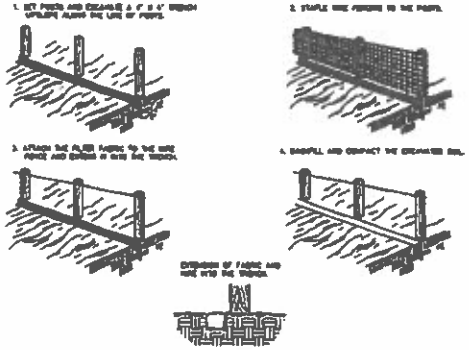
PROPER PLACEMENT OF A FILTER BARRIER IN DRAINAGE WAY
N.T.S.



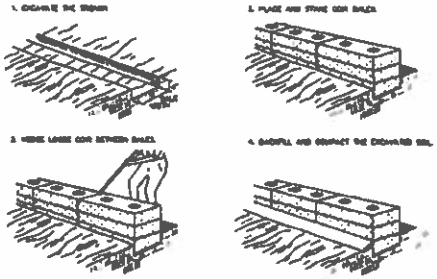
GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER
N.T.S.



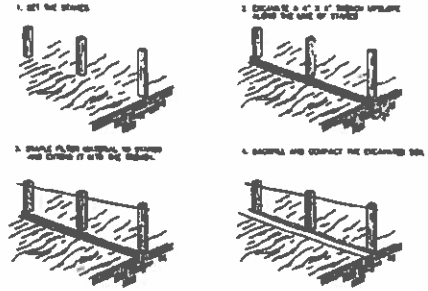
CROSS-SECTION OF A PROPERLY INSTALLED COIR BALE
N.T.S.



CONSTRUCTION OF SILT FENCE
N.T.S.



CONSTRUCTION OF A COIR BALE BARRIER
N.T.S.



CONSTRUCTION OF A FILTER BARRIER
N.T.S.

EXHIBIT O-1

PLANS PREPARED UNDER THE DIRECTION OF:

ETM

EROSION AND SEDIMENT CONTROL DETAILS

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER: 6

EXHIBIT G-1

OWNER'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION:
M1 / M2 EXPANSION REAUTHORIZATION
JACKSONVILLE, FLORIDA

OWNER/DEVELOPER NAME AND ADDRESS:
CITY OF JACKSONVILLE, FLORIDA

DESCRIPTION:

THIS PROJECT WILL CONSIST OF:
CONSTRUCTION WILL CONSIST OF CLEARING AND GRADING.

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING, INSTALLATION OF STORMWATER CONSTRUCTION, GRADING, PAVING, AND OTHER GRADING AND SEDIMENT CONTROLS, STOCKPILING OF TOPSOIL OR SPOILS, FINISHING OF SLOPES OR DITCHES, AND SEEDING PAVED AREAS AND PROVISIONS FOR FINAL PLANTING AND SEEDING.

ESTIMATED PEAKY QUANTITY (SEE ATTACHED DETAIL TO DETERMINE CALCULATIONS FOR ACTUAL QUANTITY NUMBER FOR EACH PHASE)

1. PRE-CONSTRUCTION = ___ ac
2. DURING CONSTRUCTION = ___ ac
3. POST-CONSTRUCTION = ___ ac

SOILS
* SEE ATTACHED FOR SOILS DATA

SITE MAPS
* SEE ATTACHED DWG. NO. C1 – C4 FOR POST DEVELOPMENT DRAINAGE AREAS OF SOILS, DISTURBANCE, LOCATION OF DRAINAGE FACILITIES, STABILIZED AREAS, WASTE STOCKPILES, AND CONSTRUCTION CONTROLS AND STORM WATER DISCHARGE POINTS.
* SEE ATTACHED DWG. NO. 5 FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES AND SEDIMENT BARRIERS.

SITE AREA
1. TOTAL AREA OF SITE = 267 AC
2. TOTAL AREA TO BE DISTURBED = 45 AC

NAME OF RECEIVING WATERS: HEADWATERS OF PENALLA CREEK AND SUBSITE CREEK

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND SEDIMENT CONTROLS BY STORM WATER RUN OFF. DWG. NO. 1 AND 2 HAVE BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS AS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS REFER TO "CONTRACTOR'S REQUIREMENTS" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT WILL BE IMPLEMENTED.

AREAS THAT ARE NOT DEVELOPED BUT WILL BE DISTURBED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE.

REFER TO " CONTRACTOR'S REQUIREMENTS" FOR THE TYPES OF CONTROL/MEASURES.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

IN AN EFFORT TO ENSURE COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS REGARDING EROSION AND SEDIMENT CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED:

E.R.P. EROSION/FILL PERMIT
C.U.D. EROSION/FILL PERMIT
S.J.R.W.M.D. WATER PERMIT

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THE STATEMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____

TITLE: _____
CORPORATE OFFICER, GENERAL PARTNER, PROPRIETOR, EXECUTIVE OFFICER, OR RANKING ELECTED OFFICIAL

DATE: _____

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM SUPERVISE THE CONTRACTOR'S RESPONSIBILITY: INSTALLED EROSION AND SEDIMENT CONTROLS SHOWN ON THE DRAWINGS AND SEDIMENT CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL MAINTAIN ADDITIONAL MATERIALS ONSITE TO BE IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL WATER QUALITY REGULATIONS. THE CONTRACTOR MAY BE REQUIRED TO ADD SUPPLEMENTS TO THE PROPOSED SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES

THE SEQUENCE OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND SEDIMENT BASINS AS REQUIRED
3. CLEAR AND GRUB FOR SEDIMENT BASINS/DIKES AND SEDIMENT BASIN
4. CONSTRUCT SEDIMENTATION BASIN
5. CONTINUE CLEARING AND GRUBBING
6. STRIP FILL TOP SOIL IF REQUIRED
7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED
8. STABILIZE EXPOSED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
9. INSTALL STRUCTURES, STORM SEWER, CURBS & GUTTER.
10. APPLY BASE TO PAVEMENT AREAS
11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING BASIN
12. COMPLETE FINAL PAVING
13. REMOVE INSTALLATION SEDIMENT FROM BASINS
14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION DIKES/DIKES AND REGRADE/SOD AS REQUIRED

NOTE: VERTICAL CONSTRUCTION OF THE BUILDING WILL BE TAKING PLACE DURING ALL THE SEDIMENT STEPS LISTED ABOVE

TYPES OF CONTROLS/MEASURES

AS DESCRIBED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCE AND DIKE BASIN, STABILIZED CONSTRUCTION ENTRANCE, AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRUBBING OF ANY OTHER PORTIONS OF THE SITE. STABILIZED CONSTRUCTION ENTRANCE SHALL BE EXTENDED AS SOON AS PRACTICAL. AS PORTIONS OF THE SITE UNDER CONSTRUCTION ACTIVITIES HAVE REACHED FINAL GRADE, THEY CONSTRUCTION ACTIVITY CEASES PERMANENTLY OR FOR A LONG TIME, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE PLANS HAVE BEEN FULLY STABILIZED, THE TEMPORARY SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN AND THE SILT FENCE/DIKES WILL BE REMOVED/REGRADED AND STABILIZED IN ACCORDANCE WITH THE SITE DRAWING NO. 5(C)

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND SEDIMENT CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND MAINTAINED PROPERLY TO PREVENT WORSE ON SEDIMENTS, WATER FROM LEAVING THE CONSTRUCTION SITE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL ADDITIONAL EROSION AND SEDIMENT CONTROL PLANS AND ADDITIONAL CONTROL MEASURES AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTOR'S REQUIREMENTS" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT WILL BE IMPLEMENTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF THE CONTROLS AS SHOWN ON THE PLAN AND AS DEEMED TO BE NECESSARY AND REQUIRED BY THE SEDIMENT AND EROSION CONTROL PLAN.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES

1. SODS OR SEEDS SURFACE: SODS OR SEEDS SURFACES CAN BE USED BELOW EXPOSED AREAS SUBJECT TO SHEET AND FILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE DIVIDER IS 20 PERCENT.
   B. IN SHORT SWALES OR OTHER LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
   C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
   D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF SOD BALE DAMMING CONTRIBUTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A SHORTCUT, NECESSARY, HEADWATER SHALL BE TAKEN TO PROPERLY MANAGE SWALES TO ENSURE ADEQUATE DRAINAGE.
2. FILTER FABRIC SURFACE: FILTER FABRIC SURFACES CAN BE USED BELOW EXPOSED AREAS SUBJECT TO SHEET AND FILL EROSION WITH THE FOLLOWING LIMITATIONS:
   A. WHERE THE MAXIMUM SLOPE BEHIND THE DIVIDER IS 20 PERCENT.
   B. IN SHORT SWALES OR OTHER LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
3. GRAVEL SURFACE WITH FILTER FABRIC: GRAVEL SURFACE MAY BE USED BELOW EXPOSED AREAS SUBJECT TO SHEET AND FILL EROSION WHERE GRAVEL RESERVE MATERIAL IS AVAILABLE ON SITE.
4. LOOSE STRAWBALE: A LOOSE STRAWBALE MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS OVERSHOTTED AND DIVERTED AWAY FROM THE GRADED AREAS OVER UNDISTURBED STABILIZED AREAS, AND PROVIDED APPLIED ONLY IN THOSE CIRCUMSTANCES THE STRAWBALE CAN BE CONTRIBUTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LOOSE, UP TO STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.
5. STOCKPILING MATERIALS: NO CONTAMINATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, BARE GROUND SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THE DEPARTMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT EXPOSING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.

CONTRACTOR'S REQUIREMENTS

7. DAILY PROTECTION: WATER AND EARTH BARRIER WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT WASHED STORM RUNOFF WITH THE DEPOSITION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE FACT.
8. PERMANENT SEEDING AREAS GRADED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-DISTURBED OR GRADED AND ERODED FINAL CONTROL TREATMENT WITHIN 7 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER INTERFERE WITH THE PERMANENT GRASSING.
9. TEMPORARY SEEDING AND MULCHING: SLOPES SEEDED WITH 0-1 DAY FOR WHICH THE CONTRACT COMMENCED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE HEADING OF MULCH MATERIAL CAN WITH THE USE OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
10. TEMPORARY GRASSING: THE SEEDED ON SLOPES AND MULCHED AREAS SHALL BE FILLED AND SUPPED OR FERTILIZED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
11. TEMPORARY GRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE RETREATED AND REPEATED, UNTIL ATTAINED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION OR AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHALL BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL AS A MINIMUM BE SEEDED. THE SEEDING WILL MEET PERMANENT WITH LONG-TERM VEGETATION AND PROVIDE EROSION REDUCTION VEGETATION. SLOPES STEEPER THAN 0.1 SHALL BE SEEDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES

1. TEMPORARY EROSION DIKE: TEMPORARY EROSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP IS USUALLY DEPLOYED IN AN IMPOUNDMENT AT A STORM DRAIN OUTLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA WITH THE FOLLOWING LIMITATIONS:
   A. THE SEDIMENT TRAP MAY BE CONSTRUCTED OTHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY EROSION DIKE.
3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE VELOCITY OF FLOW AT DESIGN CAPACITY OF THE OUTLET WILL EXCEED THE PERMISSIBLE VELOCITY OF THE RECEIVING CHANNEL OR AREA.
4. SEDIMENT BASIN: WILL BE DETERMINATED AT THE EROSION DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME. THE PROPOSED STORM WATER PIPES OR TEMPORARY PIPES WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE TEMPORARY BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM OFFSITE AREAS THAT ARE EITHER UNCONTAMINATED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE DISMANTLED AND CONTRACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR DEMOLITION FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT BASINS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS
ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND DISPOSED IN A SANITARY LANDFILL WITH SANITARY WASTE. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL WASTE DISPOSAL REGULATIONS. ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURE MANNER SO AS TO PREVENT THE WASTE FROM BEING DISPERSED BY WIND OR WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL AND DOCUMENTATION OF ALL WASTE MATERIALS.

HAZARDOUS WASTE
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. PER PRODUCT, WILL BE DISPOSED IN A MANNER CONSISTENT WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL AND DOCUMENTATION FOR HAZARDOUS WASTE THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT PROPERLY DISPOSED. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY WASTE OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING
A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PROJECT MANAGER OR THE SITE SUPERVISOR WILL BE SHORT DAILY TO REMOVE ANY SEDIMENT THAT MAY HAVE BEEN TRACKED ONTO THE SITE. DUST TRACKED ONTO PAVED AREAS FROM THE CONSTRUCTION SITE WILL BE SWEPT WITH A SWEEPER.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES WITHIN WHICH ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

Concrete	Fertilizers	Wood
Asphalt	Petroleum Based Products	Masonry Blocks
Tar	Cleaning Solvents	Roofing Materials
Detergents	Paints	Metal Studs

SPILL PREVENTION

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

GOOD HOUSEKEEPING
THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT:

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER COVERING.
* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
* EXCESSIVE PRODUCT WILL ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ARE BEING HANDLED PROPERLY AND DISPOSED.

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

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT REGULATED.
* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED. THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
* IF ONGOING PRODUCT USE IS REQUIRED BY MANUFACTURERS OR LOCAL AND STATE REGULATIONS METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS
ALL PETROLEUM PRODUCTS WILL BE STORED IN TANKS AND WHERE REQUIRED SECONDARY CONTAINMENT IS REQUIRED TO PREVENT ANY SPILLS. PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS UNDER COVER AND CLEARLY LABELED. ANY ANNUALLY CONTAINERS USED UNDER WILL BE STORED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS
FERTILIZERS WHICH WILL BE APPLIED ONLY IN THE MINIMUM QUANTITIES RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZERS WILL BE STORED UNDER COVER AND WILL BE KEPT CONTAINED TO PREVENT THEIR RELEASE. ANY ANNUALLY CONTAINERS USED UNDER WILL BE STORED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

PAINTS
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS
CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

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

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO: BROOMS, DUST PANS, DUMPS, RAKES, SHOVELS, BROOMS, LOAMS, SEDIMENT (i.e. KITTY LITTER OR SAWDUST), SAND, SANDBAGS, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE MODIFIED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR, HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE CHOICE OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER SHACK.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES
THE FOLLOWING SITE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

* NO MORE THAN 14 MILES OF THE SITE WILL BE DISTURBED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE OWNER.
* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR OTHERWISE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.
* ALL PERMANENT CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
* SILT OF SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE FENCE.
* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND SILT OF SEDIMENT WILL BE REMOVED WHEN IT REACHES 50 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.
* EROSION CONTROL/STRAW WILL BE INSPECTED AND ANY DEFICIENCIES PROMPTLY REPAIRED.
* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM SHALL BE COMPLETED BY THE INSPECTOR.
  THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, OWNERS OR ANY PERSONS ON SITE OR LOCAL AGENCY, APPROPRIATE SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS.
  THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED. THE REPORTS SHALL IDENTIFY ANY INSTANCES OF NON-COMPLIANCE.
* THE SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR MAKING REPAIRS AND WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS WORKING IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

* IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR DURING THE CONSTRUCTION PERIOD:
* WATER FROM WATER LINE FLUSHING
* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
* UNCONTAMINATED GROUNDWATER (FROM DEWATERING DRAINAGE).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE

PRIOR TO ANY COMMENCE OF GROUND CLEARING OPERATIONS FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT TO WATER OF THE STATE (INCLUDING BUT NOT LIMITED TO WETLANDS, SWALES AND WATERWAYS), STORM SEWERS, THE CONTRACTOR SHALL SIGN THE STATEMENT BELOW TO BE CONSIDERED A COMPONENT WITH THE NOI (E.R.P. FILE NO. 990-0000-0000). IF THE NOI REMAINS IN THE STATEMENT AND SIGNED THE REQUIRED COPIES OF THE NOI (E.R.P. FILE NO. 990-0000-0000) TO THE CONTRACTOR SHALL CONTINUE TO IMPLEMENT THE PROJECT AND COMPLY WITH ALL CONDITIONS OF THE NOI (E.R.P. FILE NO. 990-0000-0000). IF THE CONTRACTOR FAILS TO SIGN THE STATEMENT AND SUBMIT THE NOI (E.R.P. FILE NO. 990-0000-0000) TO THE CONTRACTOR SHALL CONTINUE TO IMPLEMENT THE PROJECT AND COMPLY WITH ALL CONDITIONS OF THE NOI (E.R.P. FILE NO. 990-0000-0000). IF THE CONTRACTOR FAILS TO SIGN THE STATEMENT AND SUBMIT THE NOI (E.R.P. FILE NO. 990-0000-0000) TO THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL CONSTRUCTION ACTIVITIES PRIOR TO COMMENCE OF THE STATEMENT (SEPARATE CLEARING TO WATERWAY CHANGES OF THE SITE).

SIGNATURE	PRINTED NAME AND ADDRESS OF CONTRACTOR & ALL SUBS	RESPONSIBLE PERSONNEL
		GENERAL CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR
		SUB-CONTRACTOR

ETM
Environmental Technology & Management, Inc.
Consultants in Water
Tel: 000-000-0000
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WEB: www.etm-inc.com
WATER • ENVIRONMENTAL • RESOURCES

FILE NO. 99-00	
DRAWN BY:	
CHECKED BY:	
DATE: MARCH 2002	

REVISIONS

ALL PROJECT REPORTS UNDER THE SECTION

SCALE: NONE
PE NUMBER: 0000

STORMWATER POLLUTION PREVENTION PLAN

M1 / M2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

SHEET NUMBER
7

N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

INSPECTOR ____________

INSPECTOR'S QUALIFICATIONS

DAYS SINCE LAST RAINFALL ______ AMOUNT OF LAST RAINFALL ______ INCHES

STABILIZATION MEASURES

INSPECTION AREA DESCRIPTION OF LOCATION	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED (YES/NO)	STABILIZED WITH	CONDITION

STABILIZATION REQUIRED

TO BE PERFORMED BY ______ ON OR BEFORE ______

PAGE 1 OF 4

N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

STRUCTURAL CONTROLS

DATE ______

EARTH DIKES/SWALES

TYPE OF SWALE	FROM	TO	IS DIKE/SWALE STABILIZED ?	IS THERE EVIDENCE OF WASHOUT OR OVERTOPPING

MAINTENANCE REQUIRED FOR EARTH DIKE/SWALE

TO BE PERFORMED BY ______ ON OR BEFORE ______

CATCH BASIN/CURB INLET/OUTFALL TURBIDITY CONTROLS

STRUCTURE/OUTFALL	ARE TURBIDITY CONTROLS IN PLACE	ANY EVIDENCE OF SLOUGHING/WASHOUT OR OVERTOPPING ?	ARE TURBIDITY CONTROLS IN NEED OF REPLACING	DOES SILT NEED TO BE REMOVED FROM AROUND CONTROL

MAINTENANCE REQUIRED FOR CATCH BASIN/CURB INLETS/OUTFALLS TURBIDITY CONTROLS

TO BE PERFORMED BY ______ ON OR BEFORE ______

PAGE 2 OF 4

N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

SEDIMENT BASIN

DEPTH OF SEDIMENT IN BASIN	DEPTH OF SEDIMENT TOP BASIN	ANY EVIDENCE OF OVERTOPPING OF THE EMBANKMENT ?	CONDITION OF OUTFALL FROM SEDIMENT BASIN

MAINTENANCE REQUIRED FOR SEDIMENT BASIN

TO BE PERFORMED BY ______ ON OR BEFORE ______

OTHER CONTROLS

STABILIZED CONSTRUCTION ENTRANCE

DOES MUCH SEDIMENT GET TRACKED ON TO ROAD ?	IS THE GRAVEL CLEAN OR IS IT FILLED WITH SEDIMENT	DOES ALL TRAFFIC USE THE STABILIZED ENTRANCE TO LEAVE THE SITE ?	IS THE CULVERT BENEATH THE ENTRANCE WORKING? (IF APPLICABLE)

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE

TO BE PERFORMED BY ______ ON OR BEFORE ______

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N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

CHANGES REQUIRED TO THE POLLUTION PREVENTION PLAN

REASONS FOR CHANGES

SIGNATURE ______

DATE ______

PAGE 4 OF 4

STORMWATER POLLUTION PREVENTION CONTRACTORS CERTIFICATION	ETM — VISION • EXPERIENCE • RESULTS	REVISIONS	PLANS PREPARED UNDER THE DIRECTION OF
N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE	England-Thims & Miller, Inc.		SCOTT A. WILD, P.E.

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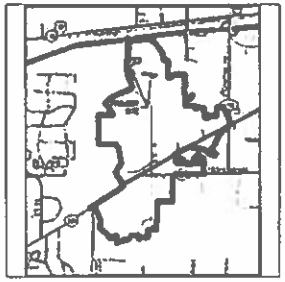
N1 / N2 EXPANSION REAUTHORIZATION

CITY OF JACKSONVILLE



LOCATION MAP
N.T.S.

PREPARED FOR
CITY OF JACKSONVILLE

CITY OF JACKSONVILLE NOTES

GENERAL

UTILITY WORK

WORK WITHIN THE RIGHT-OF-WAY

STORMWATER

FIRE MARSHAL

LANDSCAPE

TRAFFIC ENGINEERING

TRAFFIC SIGNS

PLAN APPROVAL

Date — Development Services Director (Chair)

Date — Review Group (Member)

Plan approval valid for five years after the initial approval date. Revisions made after the initial approval date do not extend this five year time frame.

PLAN APPROVAL IS SUBJECT TO THE FOLLOWING NOTES AND CONDITIONS:

FOR AGENCY REVIEW ONLY

ETM
VISION • EXPERIENCE • RESULTS

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DRAWING INDEX			
PLAN SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	REVISION
1	1	COVER SHEET	
2	2	SIGNature SHEET	
3	3	GENERAL NOTES & LEGEND	
4	4	MASTER GRAD GRADING PLAN	
5-10	05-10	MASS GRADING PLAN	
11	8	EROSION AND SEDIMENT CONTROL PLAN	
12	6	EROSION AND SEDIMENT CONTROL DETAILS	
13	7	TERMINATION POLLUTION PREVENTION PLAN	
14	8	TERMINATION POLLUTION PREVENTION DETAILS, DETAILS/DETAIL	

GENERAL PROJECT INFO.

GENERAL
City Development Number
Concurrency Application Number
Property Appraiser Number (R.E.#)
Zoning Designation
ZONING Application(s) (if any)

PUD Ordinance Number
PUD - Commercial - Retail
Road Zones (Thru to Plans)
Base Flood Elev. (Show in Plans)
Vertical Datum Used for Project — NAVD 88
JEA Availability Number

RESIDENTIAL
PSD Number
City or Private Inspection
Public or Private Roads
Subdivision ("Will" Site Provided?)

NON-RESIDENTIAL
North American Industry Classification System (NAICS)
Impervious Area (Sq. Ft.)

VERTICAL DATUM USED FOR THIS PROJECT: NAVD 88

COVER SHEET

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER 1

EXHIBIT Q-1

[illegible]

[illegible]

DRAWING INDEX

PW SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	REVISION
1	1	COVER SHEET	
2	2	SIGNATURE SHEET	
3	3	GENERAL NOTES & LEGEND	
4	4	WATER MAIN GENERAL PLAN	
5-10	A1-A7	MAIN GRADING PLAN	
11	5	EROSION AND SEDIMENT CONTROL PLAN	
12	6	EROSION AND SEDIMENT CONTROL DETAILS	
13	7	STORMWATER POLLUTION PREVENTION PLAN	
14	8	STORMWATER POLLUTION PREVENTION CONTINUATION SECTION 201	

ETM

Environmental Technology & Management, Inc.
[illegible]
TEL: (904) [illegible]
FAX: (904) [illegible]
[illegible]

J.O. NO.	20-30
DRAWN BY	[illegible]
DESIGNED BY	[illegible]
CHECKED BY	[illegible]
DATE	[illegible]

REVISIONS

PLANS PREPARED UNDER P.W. SECTION 0

SCALE: A. PER F.I.
F.I. NUMBER: A/N/O

SIGNATURE SHEET

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER
2

GENERAL SITE NOTES

[illegible]

GENERAL SITE NOTES

[illegible]

PAVING AND DRAINAGE NOTES

[illegible]

WATER, REUSE, & SEWER REQUIREMENTS

[illegible]

WATER, REUSE, & SEWER REQUIREMENTS

[illegible]

PAVING AND DRAINAGE LEGEND

EXISTING | PROPOSED

- SPOT ELEVATION
- CONTOURS
- BOUNDARY
- DRAINAGE DIVIDE
- STORM SEWER AND SIZE
- STORM SEWER INLET
- STORM SEWER MANHOLE
- MITERED END SECTION
- DRAINAGE FLOW ARROWS
- DITCH FLOW ARROWS
- STRUCTURE NUMBERS
- DRAINAGE AREA
- SOIL BORING LOCATION
- UNDERDRAIN
- CONCRETE SIDEWALK
- CONCRETE CURB AND GUTTER
- JURISDICTIONAL WETLANDS
- SILT FENCE
- HAY BALES

WATER AND SEWER LEGEND

EXISTING | PROPOSED

- SANITARY SEWER LINE
- SANITARY SEWER SERVICE
- SANITARY SEWER MANHOLE
- CLEANOUT
- FORCE MAIN
- WATER MAIN
- REUSE WATER MAIN
- FIRE PROTECTION MAIN
- FIRE HYDRANT
- FLUSHING HYDRANT
- GATE VALVE
- REDUCER
- TEE
- BEND
- WATER METER
- BACKFLOW PREVENTER

ETM

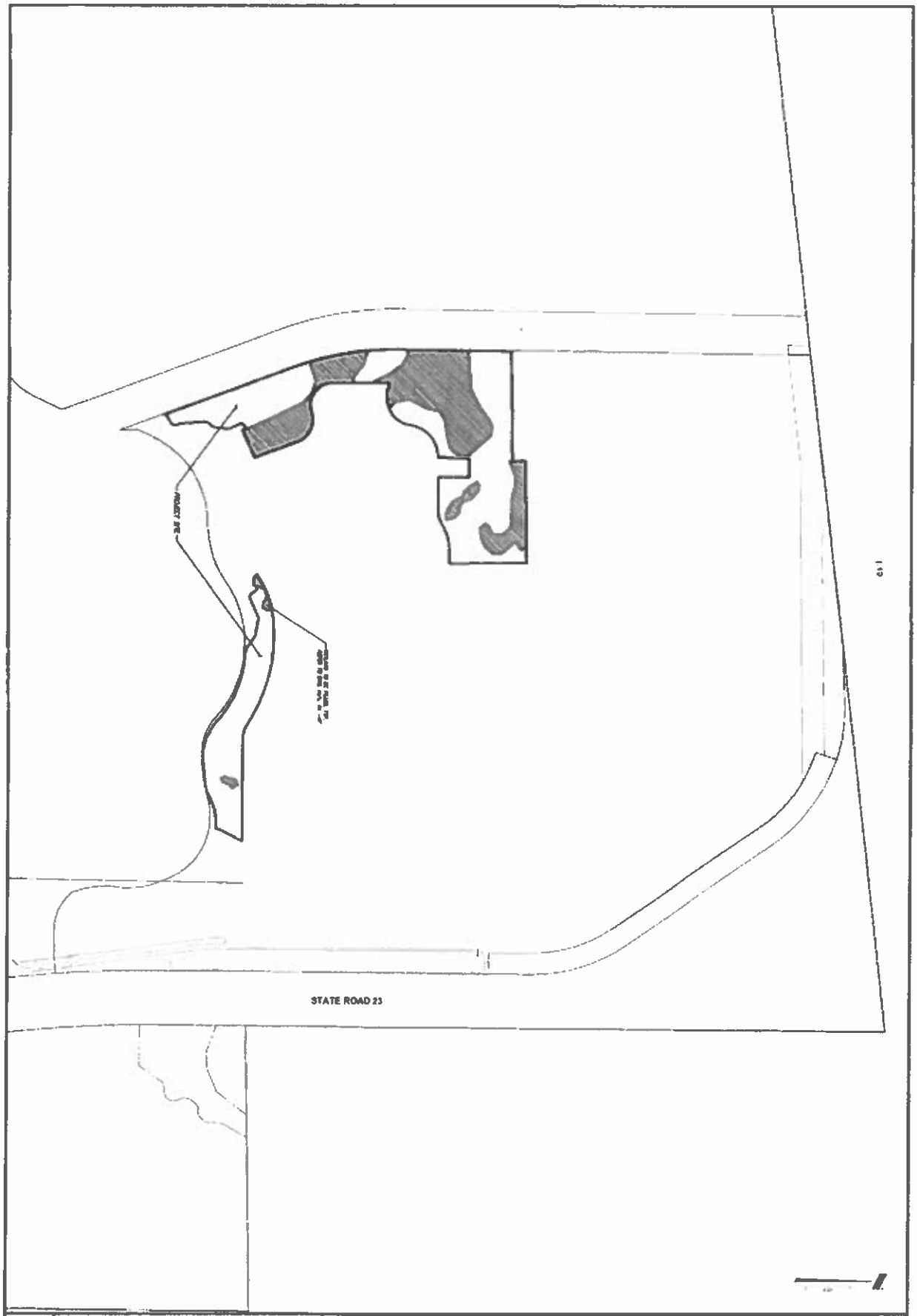
VISION · EXPERIENCE · RESULTS

GENERAL NOTES & LEGEND

H1 / H2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER 3

EXHIBIT D-1



MASTER MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

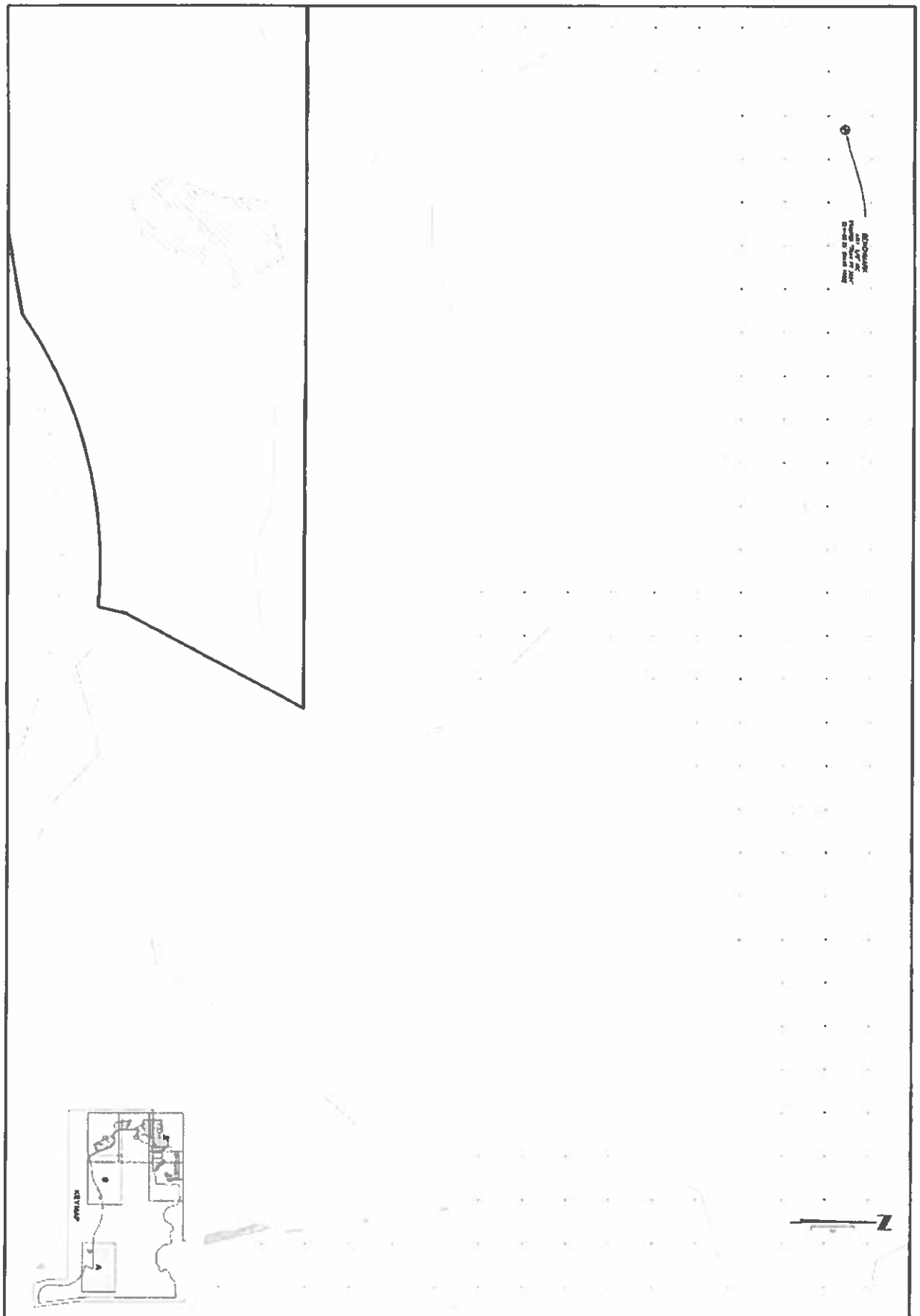
Greyhound-Tilney & Miller, Inc.

ETM NO. 20-204
DRAWN BY
SCALE
DESIGNED BY SAD
CHECKED BY SAD
DATE MARCH

REVISIONS

PLANS PREPARED UNDER THE DIRECTION OF

SCOTT A. WILD, P.E.
P.E. NUMBER 67030



4A

MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
TEAMWORK • EXPERIENCE • RESULTS

Greenland Thomas & Miller, Inc.

REVISIONS

PLANS PREPARED UNDER THE DIRECTION OF

SCOTT A. WILD, P.E.
P.E. NUMBER 47030

MASS GRADING PLAN

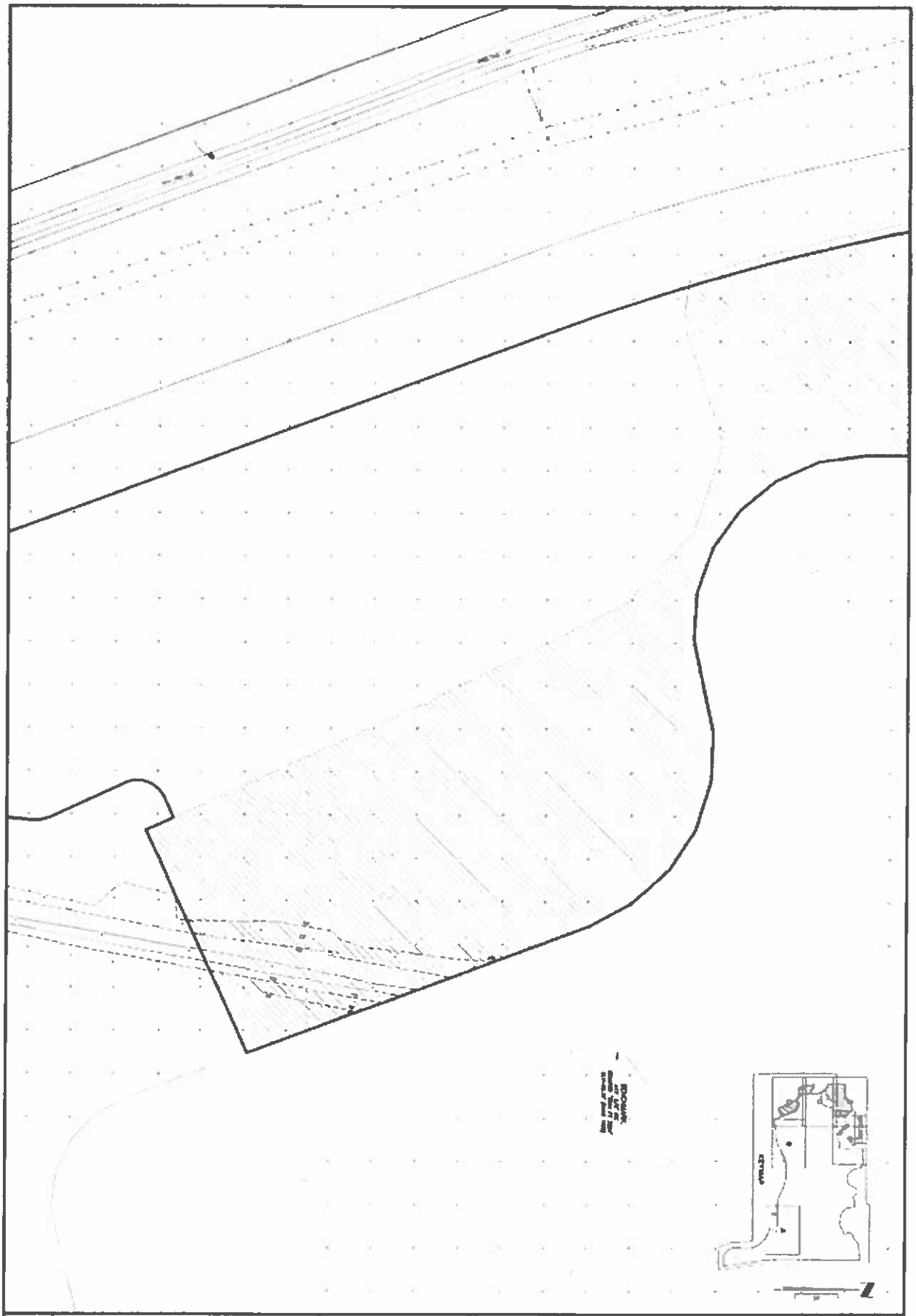
N1 / N2 EXPANSION REMEDIATION
POS
CITY OF JACKSONVILLE

DRAWING NUMBER
4B

ETM
VISIONS • EXPERIENCE • RESULTS

ANGLE DIRECTIONS
(LENGTH)
0 0 0 1 0 0 0 0 0 0 0 0

KEYMAP



4C

MASS GRADING PLAN

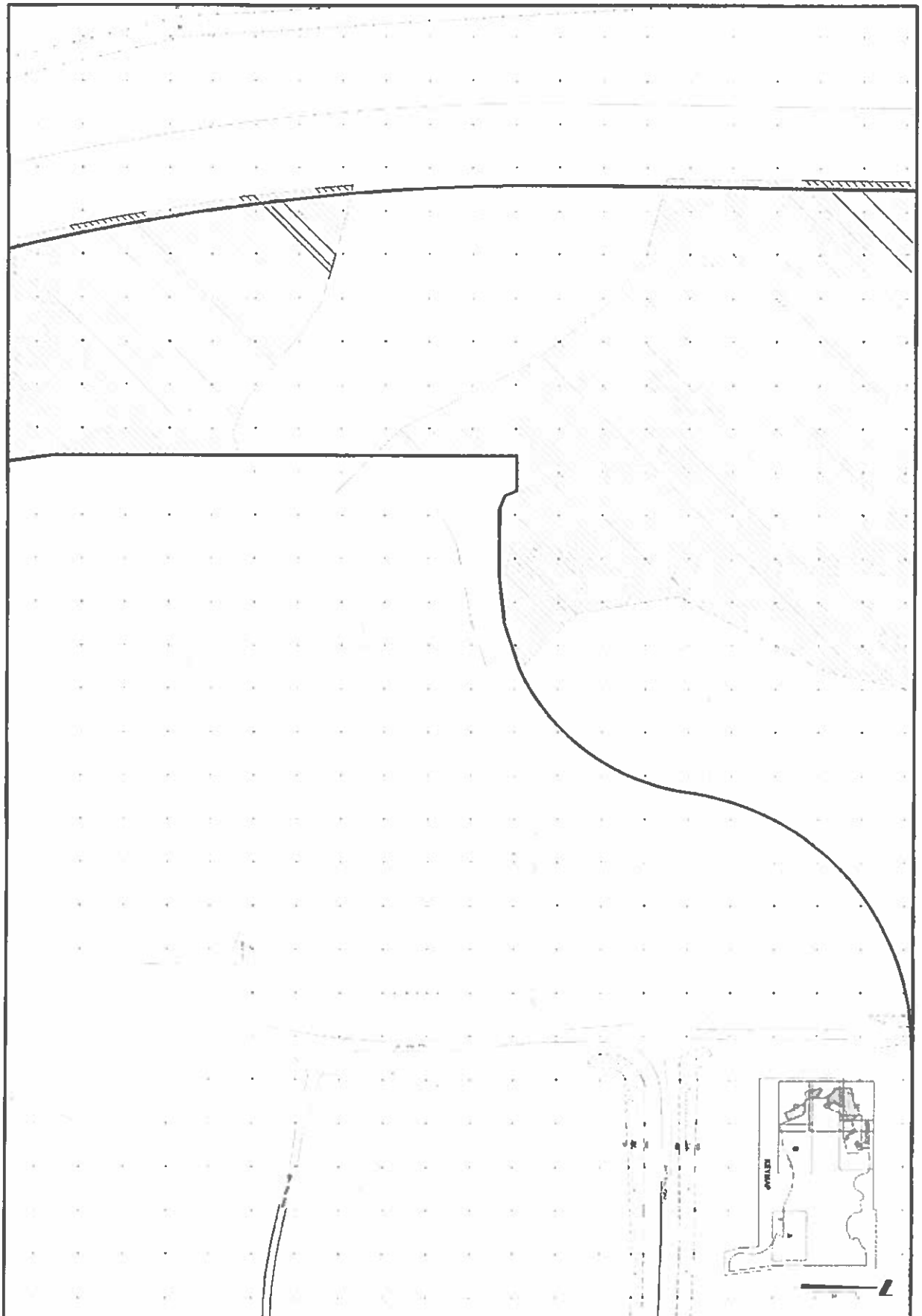
N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

REVISIONS

PLANS PREPARED UNDER THE DIRECTION OF

SCOTT A. WILD, P.E.
P.E. NUMBER 47830



4D

MASS GRADING PLAN

M1 / M2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

Stockton Thing & Miller, Inc.
[illegible]
Jacksonville, FL [illegible]
TEL: [illegible]
FAX: [illegible]
[illegible]

ETM NO.	[illegible]
DRAWN BY	[illegible]
DESIGNED BY	[illegible]
CHECKED BY	[illegible]
DATE	[illegible]

REVISIONS

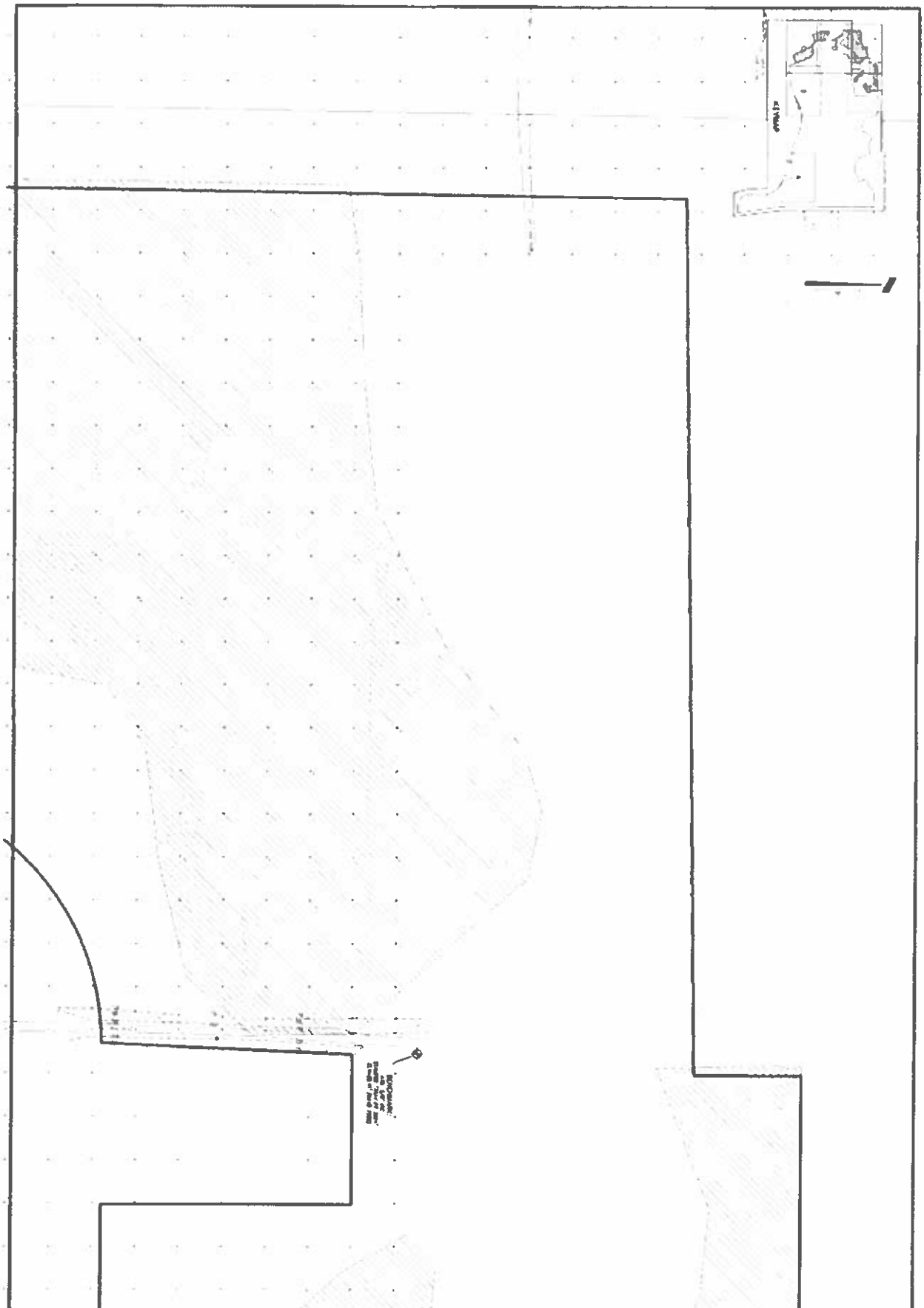
PLANS PREPARED UNDER THE DIRECTION OF:

[illegible]
P.E. NUMBER [illegible]

© [illegible]

T:\[illegible]

PLOTTED [illegible]



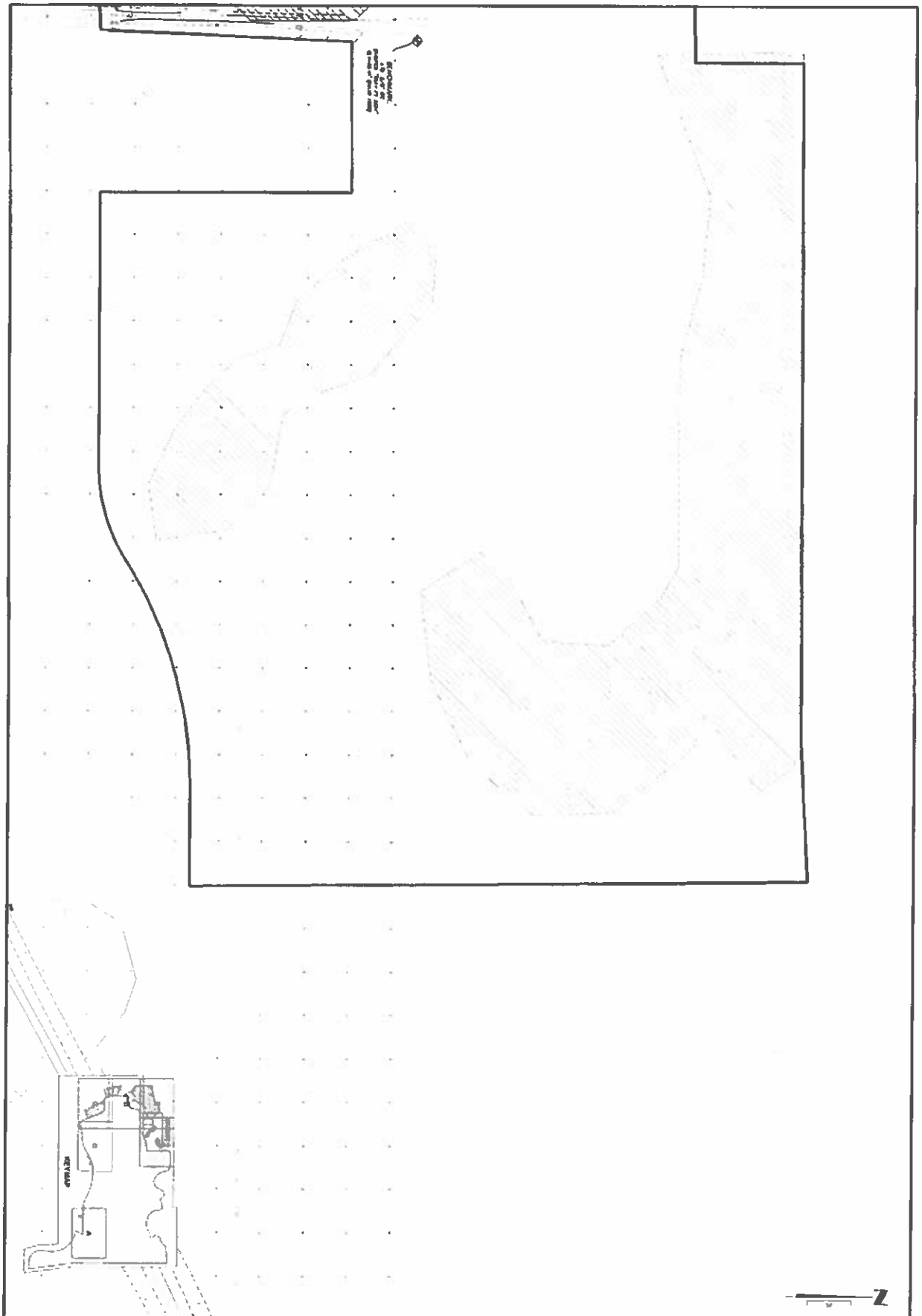
MASS GRADING PLAN

N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

PLANS PREPARED UNDER THE DIRECTION OF

SCOTT A. WILD, P.E.
FL LICENSE # 47033



45

MASS GRADING PLAN

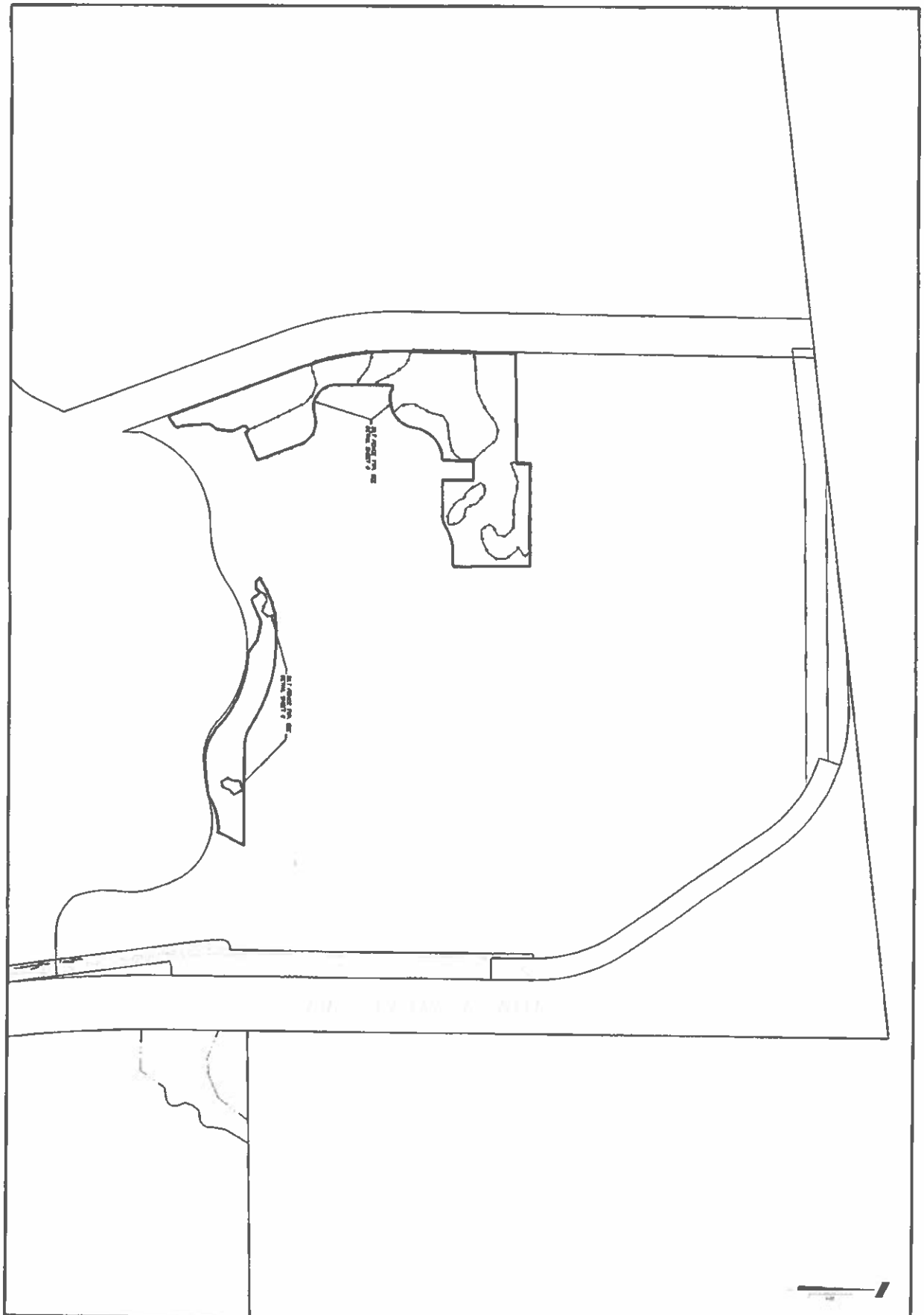
N1 / N2 EXPANSION REAUTHORIZATION
FOR
CITY OF JACKSONVILLE

ETM
VISION • EXPERIENCE • RESULTS

Glatfelter, Tilton & Miller, Inc.

PLANS PREPARED UNDER THE DIRECTION OF

SCOTT A. GILD P.E.
P.E. NUMBER 47030



EROSION AND SEDIMENT CONTROL PLAN

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

ETM

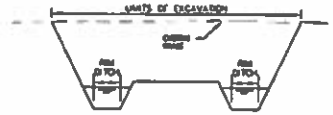
VISION • EXPERIENCE • RESULTS

PLANS PREPARED UNDER THE DIRECTION OF:

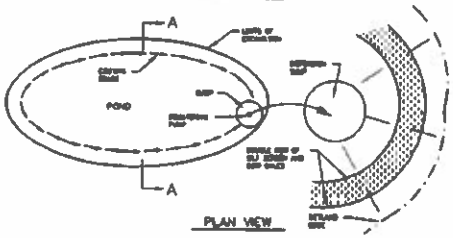
SCOTT A. WILD P.E.
P.E. NUMBER 47030

SEDIMENT AND EROSION CONTROL NOTES

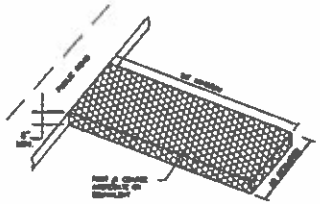
1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REMOVABLE ON-SITE AND ASSURING PLAN AGREEMENT AND CHANGE IN ALL REQUIRED AND SHALL AT CONTRACTOR OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY DRAINS AND REMOVE CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL [illegible] ON-SITE CONTRACTOR IS RESPONSIBLE TO REPORT TO THE ARCHITECT IF REQUIRED THAT WILL NOT HAVE DUE TO LEAVE THE PRESENT DRAINAGE DUE TO UNDER CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL REMOVE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND REMOVE REPORT AT THE END OF CONSTRUCTION.
5. [illegible] SHALL BE LAID OVER THE DRAIN PIPE SO THAT THE SITE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. [illegible] SHALL BE REMOVABLE [illegible] THE STRUTS SHALL BE REMOVABLE.
6. FIRST NO. 1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS [illegible] ON SEDIMENT FILTER DETAIL [illegible] THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
7. IF THE STONE FILTER BECOMES CLOGGED [illegible] IT SHALL BE NO LONGER [illegible] THE STONE MUST BE PLACED ABOUT FROM THE INLET, CLEANED AND REPLACED.
8. BALES SHALL BE STRAW WIRE-BOUND OR STRAW-FILLED WITH THE EXTERIOR [illegible] THE WIRE FROM THE BALE AND THROUGH THE BALE.
9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE LINE SURROUNDING THE INLET, WITH THE END OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE EXTENDED [illegible] A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBAR DRIVEN THROUGH THE BALE.
12. LARGE [illegible] SHALL BE REMOVED BETWEEN BALES TO PREVENT WATER FROM [illegible] BETWEEN BALES.
13. THE BALE BARRIER SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
14. BALES A FEATURE SHALL BE CLEAN TO THE REPAIR OF DAMAGED BALES AND REPLACEMENT BREAKAWAY BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE IMMEDIATELY PROMPTLY.
16. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL IT MUST BE REMOVED WHEN THE LEVEL OF DEPOSITS REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
17. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS PLANNED SHOULD BE FILLED AND SEEDED.
18. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
19. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE PERIOD THE BARRIER SHALL BE REPLACED. THE FABRIC SHOULD BE REPLACED IMMEDIATELY.
20. SEDIMENT SHALL BE REMOVED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
21. SEDIMENT SHALL BE REMOVED AND THE BALE REPAIRED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN HEIGHT OF THE BALE. SEDIMENT SHALL BE DISPOSED ON A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
22. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE SILT FENCES AND SEDIMENT ESSENTIAL MANAGEMENT AS FOLLOWS IN THE PLANS, PROVIDING [illegible] AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT RULES AND REGULATIONS.
23. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (F.D.E.R.) CHAPTER 6.
24. EROSION AND SEDIMENT CONTROL BARRIER SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR EROSION TO HAVE QUALITY DEGRADATION. SEE DETAILS (THIS SHEET) FOR TYPICAL CONSTRUCTION.
25. SOD SHALL BE PLACED IN AREAS WHICH MAY REMAIN MODERATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
26. ANY DISCHARGE OTHER THAN FISHING ACTIVITY SHALL BE FILTERED AND CONFINED TO THE INTRALL IN A MANNER THAT PREVENT [illegible] TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING INTRALL.
27. DEWATERING WORK SHALL NOT EXCEED THE CAPACITY OF THAT WHICH THE SITE AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
28. ALL DISTURBED AREAS SHALL BE GRADED, SEEDED AND MULCHED UNDER A PERMANENT VEGETATIVE COVER TO ESTABLISHED. CONTRACTOR SHALL USE ADDITIONAL MEASURES IF SUBSEQUENT DISTURBED AREAS THROUGH CONSTRUCTION, BY [illegible], SOD AND [illegible] FILL SLOPES 3:1 OR STEEPER TO ENSURE STABLE SOIL SOIL.
29. ALL DISTURBED, EROSION, AND SEDIMENT CONTROL SHALL REMAIN IN PLACE UNTIL AFTER COMPLETION OF CONSTRUCTION, AND REMOVED ONLY WHEN AREAS HAVE BEEN STABILIZED.
30. THE PLAN INDICATES THE EROSION CONTROL AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY STANDARDS AND MAY NEED TO REVISE PROPOSED CONTROLS.
31. THE CONTRACTOR SHALL BE REQUIRED TO REFERENCE TO ALL WATER MANAGEMENT DISTRICT RULES RELATING TO CONTROL OF EROSION FOR DRAINAGE AND SEDIMENTATION CONTROL. THE COST OF THE COMPLIANCE SHALL BE PART OF THE CONTRACT.
32. EROSION AND SEDIMENT CONTROL BARRIER SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS AND PROTECTION CONSIDERED WHERE THERE IS POTENTIAL FOR EROSION TO HAVE QUALITY DEGRADATION.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF THE AREAS GRADE FOR THE DEPARTMENT REQUIRED AND MEETING THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, CITY OF JACKSONVILLE AND OTHER FINAL STABILIZATION REQUIREMENTS.
34. REFER PLANS REGARDING THE PROPOSED PROCEDURES PLAN DETAILS, THE [illegible] EXISTING [illegible] DRAINAGE [illegible] THE PROJECT. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.) CHAPTER 6.
35. A PROJECT SEDIMENTATION PLAN SHALL BE PREPARED WHERE THE SILT GROW A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 3 DEGREES) WHERE SHEET OR OVERLAND FLOW MAY EXTENDED 50 FEET OR MORE. THE METHOD SHALL NOT APPLY TO SILTY TERRAIN DESIGNATED PLANS, SUCH AS IN BASIN OF PERMANENT DRAINAGE.



SECTION A–A

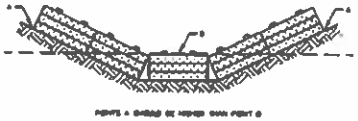


TEMPORARY DEWATERING DETAIL
N.T.S.

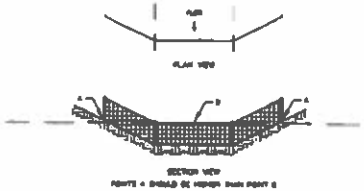


STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

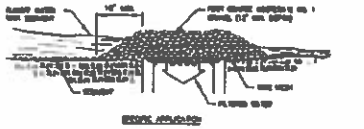
COIR BALE DROP INLET SEDIMENT FILTER
N.T.S.



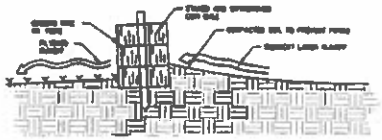
PROPER PLACEMENT OF COIR BALE IN A DRAINAGE WAY
N.T.S.



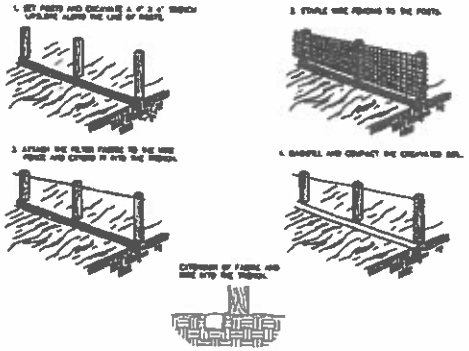
PROPER PLACEMENT OF A FILTER BARRIER IN DRAINAGE WAY
N.T.S.



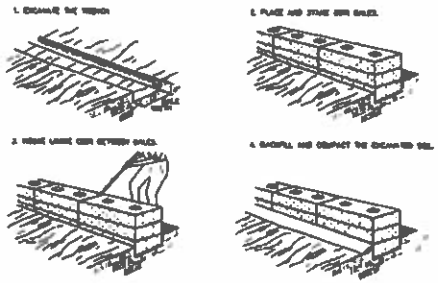
GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER
N.T.S.



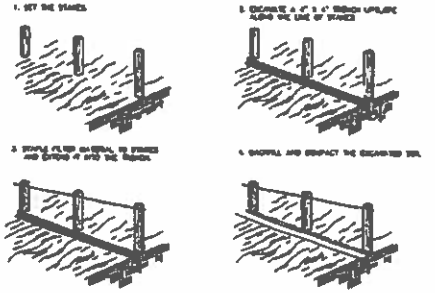
CROSS-SECTION OF A PROPERLY INSTALLED COIR BALE
N.T.S.



CONSTRUCTION OF SILT FENCE
N.T.S.



CONSTRUCTION OF A COIR BALE BARRIER
N.T.S.



CONSTRUCTION OF A FILTER BARRIER
N.T.S.

EXHIBIT G-1

PLANS PREPARED UNDER THE DIRECTION OF

JOSEPH A. PLO, P.E.
FL REGISTRATION NUMBER

No.	Date	By	Description
1	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]

ETM
ENGINEERING • ECONOMICS • REALTY
[illegible]

EROSION AND SEDIMENT CONTROL DETAILS

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

DRAWING NUMBER
6

EXHIBIT O-1

OWNER'S REQUIREMENTS

CONTRACTOR'S REQUIREMENTS

Concrete | Fertilizers | Wood
Asphalt | Petroleum Based Products | Masonry Blocks
Tar | Cleaning Solvents | Roofing Materials
Detergents | Paints | Metal Studs

ETM

VISION • EXPERIENCE • RESULTS

STORMWATER POLLUTION PREVENTION PLAN

N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE

7

N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

THIS IS THE CONTRACTOR'S CERTIFICATION REQUIRED BY THE EPA'S NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), STORM WATER POLLUTION PREVENTION PLAN FOR CONTINUING PROJECTS OVER 10 ACRES. THIS CERTIFICATION MUST BE COMPLETED WITHIN ONE WEEK OF THE EVENT THAT CAUSED THE DEFICIENCY OR VIOLATION.

INSPECTOR _____

INSPECTOR'S QUALIFICATIONS

_____

DATE SINCE LAST RAINFALL _____ AMOUNT OF LAST RAINFALL _____ INCHES

STABILIZATION INSPECTIONS

INSPECTION AREA DESCRIPTION OF LOCATION	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED * YES/NO	STABILIZED METHOD	COMMENTS

STABILIZATION REQUIRED

_____

TO BE PERFORMED BY _____ ON OR BEFORE _____

PAGE 1 OF 4

N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

STRUCTURAL CONTROLS

DATE _____

SILTATION BASINS/TRAPS

BASIN OR TRAPS	FROM	TO	IS BASIN/TRAPS STABILIZED *	IS THERE EVIDENCE OF BASIN OVERFLOWING

MAINTENANCE REQUIRED FOR SILTATION BASIN/TRAPS

_____

TO BE PERFORMED BY _____ ON OR BEFORE _____

CATCH BASIN/CURB INLET/OUTFALL PIPE/DITCH CONTROLS

STRUCTURE/ BUILT ALL	ARE SUBSIDIARY CONTROLS IN PLACE	ARE EVIDENCE OF SEDIMENT/MAINTENANCE ON OPPOSING *	ARE SUBSIDIARY CONTROLS IN NEED OF REPLACING	ARE SILT NEED TO BE REMOVED FROM AROUND CONTROL

MAINTENANCE REQUIRED FOR CATCH BASIN/CURB INLET/OUTFALL PIPE/DITCH CONTROLS

_____

TO BE PERFORMED BY _____ ON OR BEFORE _____

PAGE 2 OF 4

N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

SEDIMENT BASIN

DEPTH OF SEDIMENT IN BASIN	DEPTH OF SEDIMENT* BASIN	ANY EVIDENCE OF OVERFLOWING OF THE SEDIMENT?	CONDITION OF OUTFALL FROM SEDIMENT BASIN

MAINTENANCE REQUIRED FOR SEDIMENT BASIN

_____

TO BE PERFORMED BY _____ ON OR BEFORE _____

PIPE CONTROLS

STABILIZED CONSTRUCTION ENTRANCE

DOES SUCH SEDIMENT OR TRACKED ON THE ROAD *	IS THE GRAVEL CLEAN OF IT FREE FROM SEDIMENT*	DOES THE ENTRANCE USE THE STABILIZED ENTRANCE TO LEAVE THE SITE *	IS THE CURRENT GRAVEL THE ENTRANCE ADEQUATE (IF APPLICABLE)

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE

_____

TO BE PERFORMED BY _____ ON OR BEFORE _____

PAGE 3 OF 4

N1 / N2 EXPANSION REAUTHORIZATION

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

CHANGES REQUIRED TO THE POLLUTION PREVENTION PLAN

_____

REASONS FOR CHANGES

_____

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE _____

DATE _____

PAGE 4 OF 4

CO	STORMWATER POLLUTION PREVENTION CONTRACTORS CERTIFICATION N1 / N2 EXPANSION REAUTHORIZATION FOR CITY OF JACKSONVILLE	ETM VISION • EXPERIENCE • RESULTS England-Thims & Miller, Inc.	REVISIONS	PLANS PREPARED UNDER THE DIRECTION OF SCOTT A. ELD, P.E. P.E. NUMBER 67038

Josh Sowards

From: Crawford, Paul <PaulC@coj.net>
Sent: Friday, May 19, 2023 4:14 PM
To: Josh Sowards; Smith, Robin; Long, Steve
Cc: Chris Blank; Wendland, Kirk
Subject: RE: COJ DB - Project Raptor Mitigation Direction

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

That is correct. This is in order to ensure that all wetlands are mitigated and filled in accordance with the St. John's River Water Management Permit (existing for the Blue areas and applied for in the Orange areas). Furthermore, for clarity, the description of what was agreed upon at our meeting is in order to accomplish the filling of the wetlands for the budget not to exceed $5.6 million. And to assure that there is no onsite stockpile of stripped topsoil on site.

Paul R. Crawford
Office of Economic Development
Director of Business Development
117 W. Duval Street, Suite 275
Jacksonville, FL 32202
Office number – (904) 255-5446
Mobile number – (904) 838-2826
www.jaxdevelopment.org

CITY OF JACKSONVILLE
ONE CITY. ONE JACKSONVILLE.

From: Josh Sowards <joshs@JBCoxwell.com>
Sent: Friday, May 19, 2023 3:45 PM
To: Crawford, Paul <PaulC@coj.net>; Smith, Robin <RobinSmith@coj.net>; Long, Steve <SLong@coj.net>
Cc: Chris Blank <ChrisB@jbcoxwell.com>
Subject: COJ DB - Project Raptor Mitigation Direction

EXTERNAL EMAIL: This email originated from a non-COJ email address. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Paul/Robin/Steve,

Based on our conversation today on 5/19/2023 regarding Project Raptor, the City of Jacksonville (COJ) has instructed J. B. Coxwell Contracting, Inc. (JBCCI) to fill the blue and orange wetland areas to adjacent grades starting from the east moving towards the west with the existing stockpiles onsite until said stockpiles are depleted. The blue and orange mitigation areas that will be filled with existing stockpiles will be cleared, grubbed and stripped of topsoil. Once

stockpiled materials onsite are exhausted, all remaining blue and orange mitigation areas will be cleared, grubbed and filled with existing soils removed from the previous blue and orange mitigation areas to adjacent grades or higher to not leave any stockpiles. These areas will not be stripped of topsoil and the fill placed in these areas will be strippings/topsoil.

Please provide confirmation that the above statements are what COJ is providing as a clarification to the Design Criteria Package.

Thanks,

Josh Sowards
J. B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, FL 32254
904-495-3903 (Cell)
904-421-4535 (Office)
904-783-2970 (Fax)
joshs@jbcoxwell.com

J.B. COXWELL CONTRACTING
INCORPORATED

SUBJECT: DESIGN-BUILD SERVICES FOR HORIZONTAL/CIVIL ENGINEERING (HORIZONTAL) DESIGN-BUILD PROJECTS

BID # CDB-0132-21

OPEN DATE: 2021-08-04

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT: CONSTRUCTION – DESIGN/BUILD- PRE-QUALIFICATIONS

AGENCY: PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 4 OTHER: 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFQ and the evaluation committee has evaluated proposals. Subsequently, presentations were conducted and evaluated on November 17, 2021. Based upon the combination of proposal and presentation evaluations, scores and rankings are as follows (Listed in alphabetical order):

3) Baker Consulting and Engineering, LLC, d/b/a Baker Design Build – 119.00
1) J.B. Coxwell Contracting, Inc. – 127.25
2) Superior Construction Co., Inc. – 119.75

Recommend approval of award to J.B. Coxwell Contracting, Inc., as receiving the highest score in accordance with the evaluation and ranking above. The period of service will be five (5) years from the effective date of the contract with funding not-to-exceed $8,000,000.00 annually with carryover for any unused portion. To be executed by formal contract through the Office of General Counsel using the negotiated contract rate schedule.

ATTACHMENTS: Recommendation Memo, Scoring Matrix, Section 2.6, Attachment B- Evaluation Criteria, JSEB Memo, Previous Award

ANALYST: BRYAN MATUS

RESPECTFULLY SUBMITTED: GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Robin G. Smith, P.E., Chief, Engineering and Construction Management

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING 0 DATE: 4/21/2022

OTHER

ACTION OF AWARDING AUTHORITY DATE 4/21/2022

APPROVED ✓ DISAPPROVED:

OTHER:

SIGNATURE OF AUTHENTICATION

Brian Hughes
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of
Executive Order No. 2019-02

SUBJECT: DESIGN-BUILD SERVICES FOR HORIZONTAL/CIVIL ENGINEERING (HORIZONTAL) DESIGN-BUILD PROJECTS

BID # CDB-0132-21

OPEN DATE: 2021-08-04

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT: CONSTRUCTION – DESIGN/BUILD- PRE-QUALIFICATIONS

AGENCY: PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 4 OTHER: 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFQ and the evaluation committee has evaluated proposals. Subsequently, presentations were conducted and evaluated on November 4, 2021. Based upon the combination of proposal and presentation evaluations, scores and rankings are as follows (Listed in alphabetical order):

3) Baker Consulting and Engineering, LLC, d/b/a Baker Design Build – 119.00
1) J.B. Coxwell Contracting, Inc. – 127.25
2) Superior Construction Co., Inc. – 119.75

Recommend approval to enter negotiations with J.B. Coxwell Contracting, Inc., as receiving the highest score in accordance with the evaluation and raking above.

ATTACHMENTS: Recommendation Memo, Scoring Matrix, Section 2.6, Attachment B- Evaluation Criteria

ANALYST: BRYAN MATUS

RESPECTFULLY SUBMITTED: GREGORY PEASE CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Robin G. Smith, P.E., Chief, Engineering and Construction Management

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING 0 DATE 1/13/2022

OTHER

ACTION OF AWARDING AUTHORITY DATE 1-18-22

APPROVED ✓ DISAPPROVED:

OTHER:

SIGNATURE OF AUTHENTICATION

Brian Hughes
Chief Administrative Officer
For Mayor Lenny Curry
Under Authority of
Executive Order No. 2019-02

SUBJECT: DESIGN-BUILD SERVICES FOR HORIZONTAL/CIVIL ENGINEERING (HORIZONTAL) DESIGN-BUILD PROJECTS

BID # CDB-0132-21

OPEN DATE: 2021-08-04

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT: CONSTRUCTION – DESIGN/BUILD- PRE-QUALIFICATIONS

AGENCY: PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 4 OTHER: 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City of Jacksonville received four (4) proposals and all have been reviewed and ranked Based on the average score the following firms were determined to be the most qualified of those submitting qualifications The ranking of first, second and third designates the order of qualification of these firms to perform the required services Alphabetica y they are

3) Baker Consulting and Engineering LLC, d/b/a Baker Design Build – 89 00
1) J.B. Coxwell Contracting, Inc. – 97 25
2) Superior Construction Co , Inc – 90 75

Pursuant to Section 2.6- Award of Contract of RFP, recommend approval to move forward with presentation/interviews before CSPEC at a future scheduled meeting

ATTACHMENTS: Recommendation Memo, Scoring Matrix Section 2 6, Attachment B Evaluation Criteria

ANALYST: BRYAN MATUS

RESPECTFULLY SUBMITTED: GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Robin G. Smith, P.E., Chief, Engineering and Construction Management

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING 0 DATE: 10/14/2021

OTHER

ACTION OF AWARDING AUTHORITY

DATE 10-18-21

APPROVED ✓ DISAPPROVED:

OTHER:

SIGNATURE OF AUTHENTICATION

Brian Hughes
Chief Administrative Officer
For Mayor Lenny Curry
Under Authority of
Executive Order No 2019-02