7

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

BID #: CDB-0132-21 **OPEN DATE:** 8/4/2021

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 increase the award to J.B. Coxwell Contracting, Inc. (contract #71754-22) by $137,628.64, which includes $13,358.80 in contingency, to incorporate the attached Scope and Fee Summary (Exhibit P-2), known as Amendment 14B, to provide Phase 2 Construction Services for temporary Fire Station 76, allowing for completion of the work within ninety (90) days from the Notice to Proceed. The guaranteed maximum price (GMP) will be increased to $670,264.78.

This award will be funded from account 32111.127001.565051.010336.00000000.00000.0000000, executed by formal contract amendment #14B through the Office of General Counsel, and processed via change order to PO-658465-23.

ATTACHMENTS: Recommendation Memo, Exhibit P-2, Previous Award

ANALYST: _____
DAVID KLAGES

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 _____

City of Jacksonville, Florida

Donna Deegan, Mayor

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

ONE CITY ONE JACKSONVILLE

August 10, 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

Keith Powers
Director, Fire & Rescue

SUBJECT: CDB- 0132-21 –Design Build Services Horizontal/Civil (Horizontal) Design-Build Projects
Contract 71754-22 Temporary Fire Station 76 AMENDMENT 14B

In accordance with Design/Build CDB-0132-21, Contract 71754-22/PO 658465-23, Temporary Fire Station 76 was awarded by Amendment 14A in the amount of $532,636.14 for Phase 1 construction services. Amendment 14B is to provide Phase 2 Construction Services for temporary Fire Station 76. Negotiations have resulted in the attached Scope and Fee, Exhibit P-2 for $137,628.64, which includes $13,358.80 in contingency and allowing for the completion of the work within 90 days from the notice to proceed.

Accordingly, this is to recommend that Amendment 14A to Contract No. 71754-22 executed May 30, 2023, between the City and J. B. Coxwell Contracting, Inc. for Temporary Fire Station 76 be amended to incorporate the attached Scope and Fee Summary, Exhibit P-2 to increase the GMP by $137,628.64 to a new GMP amount of $670,264.78, known as Amendment 14B.

Funding for this project should be encumbered as follows:

ACCOUNTS:	TOTAL
32111.127001.565051.010336.00000000.00000.0000000	
010336	
FRCP Fire Stations Capt'l Proj-Fire Control	
565051	
1	
32111-384020	$137,628.64

RGS/lw

Attachment: Exhibit P-2

cc: Lori West, Engineering and Construction Management
Maria Williams, P.E., Engineering and Construction Management

EXHIBIT P-2

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

August 9, 2023

Maria C. Williams, 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 Temporary Fire Station 76 – Phase 2
Design-Build Construction Delivery for City of Jacksonville
City Contract No. 71754-22

Dear Maria:

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 Construction services for the above referenced project. The general scope of this project includes Phase 2 of the proposed fire station 76 improvements of the DCP. Phase 2 of the temporary Fire Station 76 includes design services, geotechnical testing, a 40 ft x 40 ft metal building (millings floor and 12" x 12" spread footer) and restoration. After the building is installed the temporary Connex storage building will be removed.

Design, site permitting and post design services for Phase 2 were included in Phase 1 with the exception that a 10-set approval was waived by COJ staff because a SJWMD permit was not required (email attached). Any fees required by COJ for the metal building to be paid by COJ outside of permit costs.

The proposed total lump sum for this project is $137,628.64, which includes a 10% 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 ninety days (90) calendar days from notice-to-proceed with the understanding that COJ wants the metal building complete (Temporary Certificate of Occupancy) by October 31, 2023.

This lump sum amount is inclusive of only those services noted on the attached proposal(s) and which are anticipated at this time. No services or work other than those noted in the proposals are included. In addition, any unknown condition(s) which may surface during design or any other increase in scope of services may result in a request for additional services. No work will proceed; however, without first obtaining approval from the City for additional services. This proposal is valid for thirty (30) days unless otherwise agreed upon.

JBCCI is very appreciative of the opportunity to provide you with our design-build services. Should you have any questions or need any further information, please don't hesitate to contact us. We are also available to review and discuss this proposal with you and/or others at your convenience.

Regards,
J.B. Coxwell Contracting, Inc.

Josh Sowards

Josh Sowards
Director of Design Build Services

JBCCI FEE SUMMARY

EXHIBIT P-2

Date: 08/09/2023

Project: Temporary Fire Station 76 (Cedar Point Road & Bony Road) Phase 2
Design-Build Construction Delivery for City of Jacksonville
City Contract No.: 71754-22

Item	Quantity	U/M	Unit Price	Amount
Temporary Fire Station 76 Metal Building				
COJ Permits (Allowance)	1.00	LS	$ 1,211.85	$ 1,211.85
JBCCI Supervision and Administration	1.00	LS	$ 20,257.20	$ 20,257.20
Heath & Safety	1.00	LS	$ 3,999.09	$ 3,999.09
Equipment Mobilization/Demobilization	1.00	LS	$ 2,044.82	$ 2,044.82
Quality Control / Geotech Allowance	1.00	LS	$ 1,500.00	$ 1,500.00
Maintenance of Traffic	1.00	LS	$ 4,123.70	$ 4,123.70
Erosion Control	1.00	LS	$ 4,605.17	$ 4,605.17
Fine Grade - Millings	1.00	LS	$ 4,154.91	$ 4,154.91
Grassing - Seed & Mulch	1,000.00	SY	$ 5.33	$ 5,330.00
End of Job Cleanup	1.00	LS	$ 3,357.71	$ 3,357.71
40 ft x 40 ft Metal Building	1.00	LS	$ 64,083.39	$ 64,083.39
Temporary Fire Station 76 - Phase 2 Subtotal				**$ 114,667.84**
Contractor's Contingency	10%			$ 11,466.78
Bond				$ 1,892.02
Design Builders Fee	7.5%			$ 9,602.00
Temporary Fire Station 76 - Phase 2 Grand Total				**$ 137,628.64**

Josh Sowards

From: Cavin, Ellyn <ECavin@coj.net>
Sent: Thursday, June 8, 2023 12:34 PM
To: Rebecca Bray
Cc: Jennifer C. Klich; Lesniak, Michael; Williams, Maria; Weinstein, Daryl; Josh Sowards; Mike Spence
Subject: RE: Temporary Fire Station 76
Attachments: TEMP FIRE STATION 76.pdf

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.

Hi Rebecca,

Provided that you receive an exemption from the district, this scope of work can be reviewed through a site work permit and not 10-set.

Hope this helps,
Ellyn

Ellyn Cavin, P.E.
Chief, Development Services Division
City of Jacksonville | Planning and Development Department
214 North Hogan Street, Suite 2100
Jacksonville, Florida 32202
904-255-8205

ONE CITY. ONE JACKSONVILLE.

From: Rebecca Bray <R.Bray@gaiconsultants.com>
Sent: Thursday, June 8, 2023 10:27 AM
To: Cavin, Ellyn <ECavin@coj.net>
Cc: Jennifer C. Klich <J.Klich@gaiconsultants.com>; Lesniak, Michael <MLesniak@coj.net>; Williams, Maria <MariaCW@coj.net>; Weinstein, Daryl <DWeinstein@coj.net>; Josh Sowards <joshs@JBCoxwell.com>; Mike Spence <mikes@JBCoxwell.com>
Subject: Temporary Fire Station 76

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.

Ellyn,

Attached are the Temporary Fire Station 76 plans for your reference. The overall impervious area, including the temporary building and the trailer is 6,632 square feet, with the vehicle use impervious area being 2,396 sf. We are currently seeking an exemption for the SJRWMD.

Can you please point us in the right direction for next steps, given the overall impervious has been reduced as much as possible?

Please advise so that we can expedite this to the greatest extent possible.

Thank you,
Becky

Rebecca K. Hiers-Bray, P.E.
Senior Engineering Manager

GAI Consultants, 12574 Flagler Center Blvd., Suite 202, Jacksonville, FL 32258
T 904.363.1110 **D** 904.903.2848

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GAI Consultants
ENGINEERING, PLANNING, AND **ENVIRONMENTAL** CONSULTING SINCE 1958

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EXHIBIT P-2

REQUEST FOR PROPOSAL

FOR

DESIGN & CONSTRUCTION OF

TEMPORARY FIRE STATION # 76

(RE #: 159845 0000)

DESIGN – BUILD SERVICES FOR HORIZONTAL/CIVIL ENGINEERING PROJECTS

RFQ: CDB-0132-21

DESIGN CRITERIA PACKAGE

PROCUREMENT DIVISION
PUBLIC WORKS DEPARTMENT

INITIAL DOCUMENTS RELEASE DATE: Oct 11, 2022

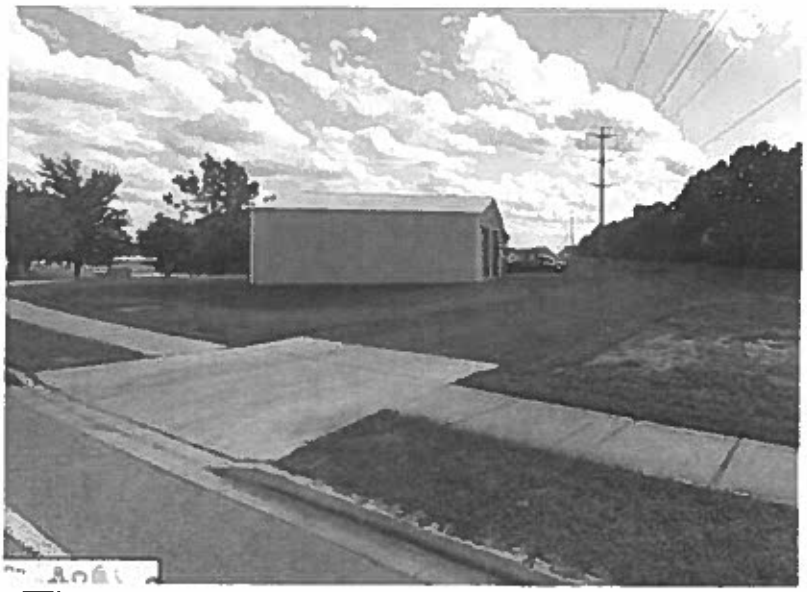
REVISED DCP ISSUED: March 23, 2023

PREPARED BY ENGINEERING & CONSTRUCTION MANAGEMENT DIVISION

CITY OF JACKSONVILLE, FLORIDA
TEMPORARY FIRE STATION # 76
RE #: 159845 0000

1. INTRODUCTION AND LOCATION:

This Design Criteria Package (DCP) specifies performance-based criteria for design completion and relocation of the temporary Fire Station # 63 (completed by JB Coxwell in 2019) to a new location for temporary FS # 76. JB Coxwell acquired the 40′ x 40′ metal building and the trailer for the temporary Fire Station 63 and constructed the site (driveways, sidewalk, utilities…) as shown below:



TEMPORARY FS 63 TO BE RELOCATED TO TEMPORARY FS 76

The purpose of this DCP is to furnish sufficient information to allow a Design Build Firm to enter a negotiated design build contract.

The city acquired the parcel below to be used for the relocation of the temporary Fire Station # 76 and for the construction of the new Fire Station No. 76 (Figure 1). The Real Estate number is 159845 0000 and the property is located at Cedar Point Road and Bonney Road.

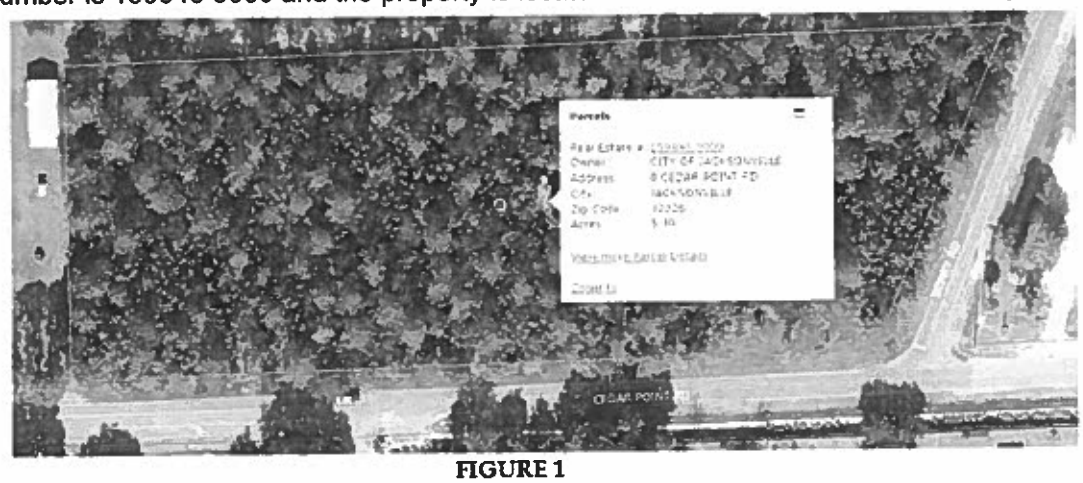


FIGURE 1

GENERAL:
The Design-Build firm is responsible for the design completion (including permits) and the relocation of the T FS # 63 trailer and rap material to the T FS # 76 site. The plans and specifications included in this DCP are provided for the purpose of allowing the Design Build Firm to prepare the fee proposal for the relocation and permits for the T FS 76.

A GMP for this project was provided by JB Coxwell on 12/16/2022 (see **Exhibit 1** – JBCCI Fee Summary). This GMP requires modifications as discussed at the city's meetings with Josh Sowards. The Design-Build Firm shall revise and submit a Fee Proposal for the completion of the Design, the required Permitting and the construction within eight (8) calendar days from the release date of the DCP (March 23, 2023). **Therefore, the fee proposal shall be submitted no later than 5:00 P.M. on March 31, 2023 to Maria Williams, P.E., at 214 N. Hogan Street, Ed Ball Building, 10th Floor, Jacksonville, Florida 32202.**

With the Guaranteed Maximum Price ("The GMP"), please provide the Guaranteed Completion Date ("The GCD") which is July 1, 2023. With the 12/16/2023 GMP, the City commenced negotiations to reach an agreement on terms of the GMP & GCD for the 100% design, permitting and construction of the Temporary Fire Station # 76.

The provisions of the DCP represent the technical, material, and quality requirements for the aforementioned project. The Design Build Firm is bound by these requirements during the completion of the design/permitting and construction of the temporary Fire Station No. 76. The site plan developed by the city is included in **Exhibit 2** and shown in Figure 2. Also, all the other plans provided to JB Coxwell on February 7, 2023, and the grading plan emailed to GAI and JB Coxwell on March 13, 2023, are included in this exhibit.

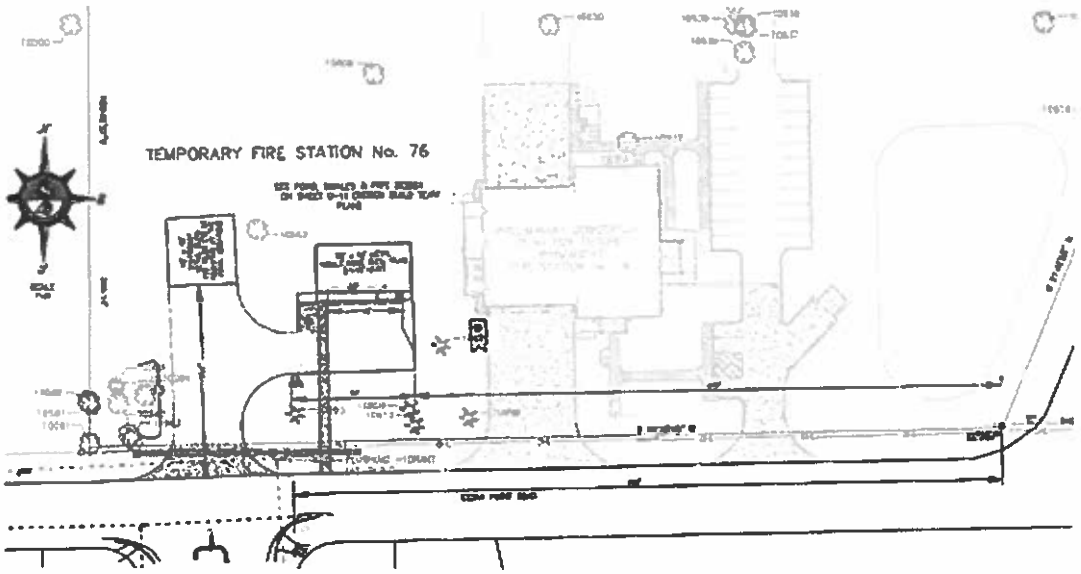


FIGURE 2

The Design Criteria Professional (Maria Williams, P.E.) may amend the provisions of the Design Criteria Package after it has been released to the Design Build Firm, but before the expiration of the additional 8-day period designated for submittal of the Fee Proposal.

2. PROCEDURES FOR THE ADOPTION OF ANOTHER'S WORK:

The plans for the temporary fire station # 76 were prepared by the city. The utility and the stormwater management plans are to be completed by the DB Firm. The City is the Sole Owner of these design documents. Therefore, the City is giving the DB Team the right to utilize these plans for the required permits for the Temporary Fire Station No. 76. All the plans. Each Designer of Record preparing the contract documents for The DB Firm shall comply with the applicable provisions of the Florida Administrative Code pertaining to a successor engineer adopting as his / her own, the work of another engineer as follows: Chapter 61G15-27 for Engineers.

All the plans prepared by the city are available in AutoCAD and PDF.

3. SCOPE OF WORK:

The temporary Fire Station # 76 plans and specifications are already in possession of the DB firm. All the plans are ready to be submitted for the 10-set review, with exception of the grading plan and the utility plan. Stormwater swales or drainage system components need to be added to the grading plan and permitted by SJRWMD. The plans provided to JB Coxwell include NPDES stormwater program. The TFS 76 shall have appropriate stormwater management system to comply with the soil and groundwater conditions at the proposed location.

The work consists of the relocation of the existing trailer (2.5' above ground elevation), sidewalks, parking, ADA concrete parking with stripping, concrete driveway on the right of way (8" 3,500 psi), wheel stops, graded aggregate base and rap material (on-site driveways and parking), fill material, see & mulch, sod, storm water management, traffic signs, project sign, utility connections, protected trees fence protection, removal/clearing and grubbing of un-protected trees in the T FS 76 area (see **Exhibit 3**), wood ADA ramps, wood steps in the front and back doors, sediment and erosion control, MOT, side drain RCP, MES, signs, electrical work, mechanical, telecommunication, plumbing and all other work required to complete the work in accordance with the plans (including permits).

The Design Build Firm shall be responsible to comply with the changes and modifications to the most recent Florida Building Code and Supplement. The following site elements shall be designed, permitted, and constructed in accordance with site development conditions in compliance with applicable design criteria, standards, codes and specifications promulgated by but not limited to the following: The City, the State of Florida, ACI, ANSI, ASCE, ASTM, AWPA, EPA, FDEP, NFPA, OSHA, UL, NEC and NEMA:

a. **Environmental Site Assessment (Phase I and Phase II ESA):** See **Exhibit 4** Environmental Site assessment Phase I prepared during the property acquisition. No further assessment was warranted.

b. **Drainage and Stormwater Management Systems:** The Temporary Fire Station # 76 shall have appropriate stormwater management system to comply with the soil and groundwater conditions at the proposed location. The stormwater management design shall be, permitted, and constructed in compliance with the City Land Development Manual and regulations promulgated by the St Johns River Water Management District. Also, compliance with FEMA publication 543, Design Guide for improving critical facility safety from flooding and high winds shall be considered. The GMP shall include the SJRWM permit. The site must provide positive drainage to not cause any water to pool.

c. **Concrete driveway and ADA parking space:** An 8" 3,500 psi concrete driveway (from the e/p to the property line) and an ADA parking space with a 5' island shall be placed on 8" crush-crete base. The ADA concrete parking space slopes are 2% max. The entrance driveway shall be 24' wide minimum.

d. **Side Drainpipe:** 128 LF of 15" diameter RCP side drainpipe with MES shall be installed on the ditch at the TFS 76 driveway fronting Cedar Point Road. The 15" diameter RCP can be replaced for an equivalent 12" x 18" reinforced elliptical pipe.

e. **On-site driveways and parking spaces:** A minimum of 2% slope was designed from the edge of the pavement to the slab for the 40' x 40' building. Also, on all the parking and, parking and drive through islands. Use the Rap & Graded Aggregate Base or the full Graded Aggregate Base detail shown on Sheet C-2.0 (details) for the inside driveway and parking areas.

f. **Garage metal building slab:** A concrete slab and connections shall be as recommended by the vendor and as approved by the City's building department. The

g. **Geotechnical Exploration:** The City previously offered obtaining soil borings from Meskel (annual vendor). At this time, is the DB Firm's responsibility to obtain/interpret the Geotechnical exploration report. . The report of the Geo-technical Exploration, including recommendations shall be submitted by the DBF as soon as received. An allowance for the Geotechnical Report is included in the GMP provided JB Coxwell on 12/16/2022.

h. **Traffic Pre-emption**: is not required for the temporary fire station (see **Exhibit 5**).

i. **Sidewalks:** 6-foot wide and 5" thick plain concrete f'_c =3,000 psi sidewalks are required. It is required the main public entrance to the Fire Station building to be accessible via a sidewalk from the public right of way (public sidewalks). Expansion and control joints shall be provided as recommended by ACI and shall meet City standards. Sidewalks shall meet the ADA accessibility requirements. Sidewalk intersections shall have a 5' radii. See Sample in **Exhibit 6.**

j. **Building Address Number:** The address will be provided by the city during the 10 set review.

k. **Utilities.** There are 3 shifts (8 hour each) with 6 firefighters in each shift.

The Design Build Firm is required to coordinate and secure approvals from the public utility companies and pay all required connection and permit / approval fees as required by the said public utility companies. The topographical survey shows the locations of the water, sewer and electrical lines provided by JEA. The utility plan needs to be finalized by the DBF and the JEA permits obtained. The JEA Availability letter and the JEA As-Built Plans are included in **Exhibit 7**.

1. **Water Service:** The Design Build Firm shall provide domestic water service for the mobile home and pay all development and permit / approval fees as required by JEA. The DB Firm may use the existing water meter fronting the Fire Station property or install a new water meter if required by JEA. The DBF will be responsible for water meters and payments (if applicable). In addition to the Availability letter, JEA provided As Built plans for all existing JEA utilities.

2. **Sanitary Sewer Service:** The Design Build Firm shall design and provide sanitary sewer service adequate for six (6) firefighters per shift and the number of fixtures connections as required for the Mobile Home. A lift / pump station was originally requested for the temporary and permanent fire stations and pump station standard details and the specifications for the permanent fire station were provided to the DB Firm. It's my understanding the DB firm was re-directed to install a sewer holding tank to meet the project deadline.

3. **Telephone and Cable Services:** Cable and fiber optic lines are shown on the topographical survey. The Design Build Firm shall obtain a T-1 Service from AT&T. In addition, a cable TV service is required. Contact the telephone and cable companies to arrange these services (these service connections may be free of charge due to a settlement agreement with the City).

4. **Electrical and telecommunication:** The temporary Fire Station # 76 shall comply with the electrical and telecommunications similar to the services installed by Coxwell for the temporary fire Station # 63.

5. **Electrical Site Lighting:** Provide site illumination like the lighting specified for temporary Fire Stations # 63. The site illumination shall include flood lights. All site illumination shall be LED.

6. **Fire Hydrants:** Fire hydrants flow tests (2 fire hydrants minimum) shall be requested from JEA by the DB Firm.

7. **Metal Building Lighting:** Exterior Metal building lighting should include wall pack lights on the entrance side and wall pack lights on the exit side (similar exterior lighting as the temporary Fire Station # 63).

I. **Mechanical, fire alarm, plumbing and other building systems:** The temporary Fire Station # 76 shall be fully equipped/connected in mechanical, fire protection, fire alarm. plumbing and other building systems to the same extent than the T FS 63 connection completed by Coxwell. Unless otherwise specifically modified in this Design Criteria Package, exterior components of building system shall be constructed to withstand 140 mph, 3 second wind gust.

4. ZONING:

The land use category is RR. The property needs to be rezoned to PBF-1. **Exhibit 8** includes the rezoning process dates and status.

5. PERMITS:

The DB Firm will be responsible for all required permits. Design Build Firm shall secure site permits.

In addition, the Design Build Firm shall coordinate with all applicable utility companies as required and pay all applicable fees.

The Design Build Firm shall apply on behalf of the City, pay required application, and permit fees and secure all approvals and permits from the City and the State regulatory agencies as required by law. Specifically, permits and approvals are required, from but not limited to, the St Johns River Water Management District, the Florida Department of Environmental Protection / the City Environment Resources Management Department, JEA, AT&T, Comcast, the City – Development Management Group, the Building Inspection Division and any others as may be required for this project.

The Design Build Firm shall provide the City's Project Engineer the plans, and engineering calculations used for the permits. In addition, at the same time the Design Build Firm shall provide the Engineer with two (2) copies of CDs with the electronic version of all contract documents (drawings, specifications, engineering calculations, permits and approvals).

6. SIGN FOR THE DURATION OF THE PROJECT ONLY:

The Design Build Firm shall provide an on-site construction sign for the project. The construction sign included in Section 20 shall be modified as shown in **Exhibit 9** and below:

- 4'x4' instead of 4'x8'
- Two 2"x4" brace posts instead of three brace posts.
- All wood and plywood shall be pressure treated for in ground and weather exposure as applicable.

All logos for this sign are available on the City's website: http://www.coj.net/departments/administration+and+finance/public+information/graphic%20archive.htm.

7. TOPOGRAPHICAL AND TREE SURVEY MAP:

The City completed the Topographical and Tree Survey Map included in **Exhibit 10**. This survey will be an integral part of the Design Criteria Package ("the DCP").

8. COMPLETION AND DEDICATION OF IMPROVEMENTS WITHIN THE TEMPORARY FIRE STATION # 76 PROPERTY LINE:

The DB Firm will construct all improvements included in the GMP and dedicate them to the City and public utility companies before completion of construction of the Temporary Fire Station # 76.

9. FLOODPLAIN CONDITIONS:

The property is not in the Flood Zone (see **Exhibit 11**).

10. CONTROL OF THE WORK AND OF MATERIALS:

Provisions of Division III, Section 20, Subsection 20.29 – General Conditions, Tests and Inspections, City Standard Contract Documents are fully applicable to this Project.

11. MEASUREMENT AND PAYMENT:

Provisions of Division III, Section 20, Subsection 20.39 – General Conditions, Progress Payments, City Standard Contract Documents shall be applicable in establishing provisions of the Contract for measuring work progress and making progress payments to Auld & White.

12. AS-BUILT PLANS:

The text of Section 20.62 "As-built" Drawings in Section 20, General Conditions shall be modified as follows:

20.62.5 The Design-Builder shall maintain, daily, a complete set of plans with "as-built" information noted in red ink. This "as-built" information shall include but not be

limited to the location of all utilities installed and/or encountered all changes in design and/or layout of the project, all dimensional changes, and all changes in equipment and/or materials. This set of drawings shall be maintained on the job site and shall be available for review by the City. The Contractor shall transfer the "as-built" information contained in the drawings to a permanent record set of "as-built" drawings.

The permanent record set of "as-built" drawings shall become the property of the CITY prior to final payment and after the review and acceptance by the ENGINEER.

In addition, the Design-Builder shall provide the City with the electronic version (AutoCAD) of all As-Built plans on a CD. The AutoCAD files shall comply with the following requirements: (1) All drawings shall be 100% AutoCAD files, 2011 Version or newer; (2) Use standard layer system; (3) All AutoCAD files shall be transferred to CD including all the references (4) Use standard AutoCAD fonts/text files only, no third-party application.

13. **40' x 40' METAL BUILDING:** The 40' x 40' garage metal building will be addressed with a Change Order or an amendment to the contract. The information provided to JB Coswell for the metal building (including the permit and the shop drawings) is included in Exhibit 12. Also, the following elements will be part of the metal building scope:
    - Interior lighting in bays including operating switches.
    - Power for each of the 4 bay door operators
    - Wall receptacles
    - Ceiling receptacles for apparatus shore power (2)
    - Electrical sub panel placement.

NOTE: The DCP includes minimum requirements. All the items must be included in the GMP. Notes added by the DB Firm (i.e., excluding meters, utility company fees... or tree mitigation) will not be accepted by the City.

END OF THE DESIGN CRITERIA PACKAGE

LIST OF EXHIBITS

Exhibit 1.. ..... JBCCI Fee Summary dated 12/16/2022

Exhibit 2.. ..... Plans Prepared by the City of Jacksonville

Exhibit 3... ..... Tree Survey

Exhibit 4 ..... Environmental Site Assessment

Exhibit 5 ..... Traffic Pre-emption Information

Exhibit 6..... Sidewalk Intersections

Exhibit 7 .....Utility Companies Information

Exhibit 8 ..... Rezoning Information

Exhibit 9 ..... Sign for the Duration of the Project Only

Exhibit 10..... Topographical Survey

Exhibit 11 ..... Floodplain Conditions

Exhibit 12 ..... 40' x 40' Metal Building

EXHIBIT 1

JBCCI Fee Summary (dated 12/16/2022)

EXHIBIT P-2

JBCCI FEE SUMMARY

Date: 12/16/2022
Project: Temporary Fire Station 76 (Cedar Point Road & Bony Road)
Design-Build Construction Delivery for City of Jacksonville
Agreement: POA-71754-22

Item	Quantity	U/M	Unit Price	Amount
Temporary Fire Station 63 & Temporary Fire Station 76				
Utility Disconnects	1.00	LS	$ 3,000.00	$ 3,000.00
Building Demolition	1.00	LS	$ 10,000.00	$ 10,000.00
Site Demolition	1.00	LS	$ 5,167.72	$ 5,167.72
Grassing - Seed & Mulch	2,500.00	SY	$ 2.19	$ 5,475.00
Temporary Fire Station 63 Subtotal				**$ 23,642.72**
COJ Permits (ROW, Site Work/Clearing, NPDES)	1.00	LS	$ 2,717.41	$ 2,717.41
JBCCI Supervision and Administration	1.00	LS	$ 57,605.14	$ 57,605.14
Heath & Safety	1.00	LS	$ 4,782.64	$ 4,782.64
Construction Survey & Asbuilts	1.00	LS	$ 17,102.79	$ 17,102.79
Equipment Mobilization/Demobilization	1.00	LS	$ 7,658.51	$ 7,658.51
Preconstruction Video/ Aerials/ Projject Sign	1.00	LS	$ 3,695.68	$ 3,695.68
Quality Control / Geotech Allowance	1.00	LS	$ 3,500.00	$ 3,500.00
Site Preparation / Clearing (1 AC Max)	[illegible]	[illegible]	[illegible]	$ 37,162.61
Maintenance of Traffic	1.00	LS	$ 8,233.09	$ 8,233.09
Erosion Control	1.00	LS	$ 10,502.53	$ 10,502.53
General Site Grading & Imported Fill	1.00	LS	$ 26,378.06	$ 26,378.06
Fine Grade for Concrete Work	1.00	LS	$ 1,301.45	$ 1,301.45
Fine Grade - Site	1.00	LS	$ 6,327.09	$ 6,327.09
Stabilized Subgrade	1,250.00	SY	$ 13.33	$ 16,662.50
12" Rock Base	885.00	SY	$ 28.76	$ 25,452.60
06" Conc. Driveway (Nonreinf.) - 4000 psi (Plain)	130.00	SY	$ 145.41	$ 18,903.30
04" Concrete Sidewalk (Plain)	80.00	SY	$ 126.16	$ 10,092.80
Driveway Culvert (15" RCP w/ MES)	1.00	LS	$ 15,128.80	$ 15,128.80
02" Water Service on Exist. Main	1.00	LS	$ 14,045.86	$ 14,045.86
Gravity Sewer	1.00	LS	$ 15,344.20	$ 15,344.20
Grassing - Seed & Mulch	3,000.00	SY	$ 4.46	$ 13,380.00
Grassing - Sod (ROW)	200.00	SY	$ 9.33	$ 1,866.00
End of Job Cleanup	1.00	LS	$ 3,062.28	$ 3,062.28
40 ft x 40 ft Metal Building	1.00	LS	$ 57,328.50	$ 57,328.50
Electrical Services	1.00	LS	$ 21,200.00	$ 21,200.00
Mobile Home - Relocation from FS 63	1.00	LS	$ 25,100.00	$ 25,100.00
Door Operators - Relocation from FS 63	1.00	LS	$ 5,177.47	$ 5,177.47
Plumbing Connection - Allowance	1.00	LS	$ 2,500.00	$ 2,500.00
JEA Fees - Contingency	1.00	LS	$ 9,000.00	$ 9,000.00
Temporary Fire Station 76 Subtotal				**$ 441,211.31**
Private Pump Station	1.00	LS	$ 124,997.90	$ 124,997.90
4" Force Main & Connection	1.00	LS	$ 43,131.67	$ 43,131.67
Permanent Fire Station 76 Subtotal				**$ 168,129.57**
Subtotal				**$ 632,983.60**
Contingency	10%			$ 63,298.36
Bond				$ 10,444.23
JBCCI Markup	7.5%			$ 53,004.46
Temporary Fire Station 76 - Grand Total				**$ 759,730.65**

NOT APPROVED

Exhibit 1

EXHIBIT 2

Plans Prepared by the City of Jacksonville

Exhibit 2- Plans prepared by the City. AutoCAD PDF and signed and sealed Plans are Available

CITY OF JACKSONVILLE NOTES

GENERAL

UTILITY WORK

WORK WITHIN THE RIGHT-OF-WAY

STORMWATER

FIRE MARSHALL

LANDSCAPE

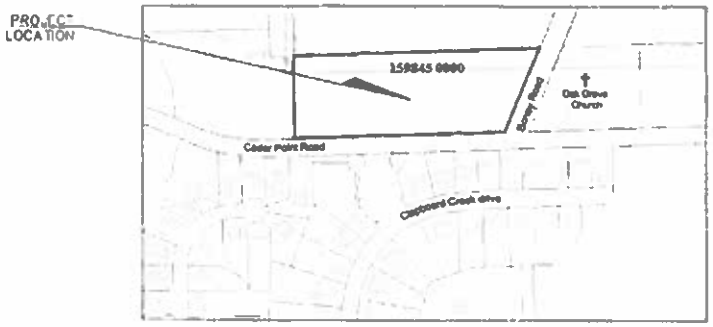
TRAFFIC ENGINEERING

TRAFFIC SIGNS

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

TEMPORARY FIRE STATION NO. 76

PROJECT Nº 2022-0055



LOCATION MAP
SCALE NTS

PREPARED BY
ENGINEERING AND CONSTRUCTION MANAGEMENT DIVISION
CITY OF JACKSONVILLE
214 N. HOGAN ST. 10TH FLOOR
JACKSONVILLE, FL 32202

ENGINEER OF RECORD
MARIA C. WILLIAMS
PROJECT MANAGER, P.E. NO. 50118
ENGINEERING AND CONSTRUCTION MANAGEMENT DIVISION
CITY OF JACKSONVILLE

DRAWING INDEX	
CS	COVER SHEET
C.0.0	SURVEY
C-1.0	GENERAL NOTES
C-2.0	DETAILS
C-3.0	SITE GEOMETRY PLAN
C-4.0	SITE GRADING PLAN
C-4.1	MOBILE HOME AND METAL BLDG.
C-5.0 to C-5.3	DEMOLITION PLAN AND SEDIMENT CONTROL
C-6.0	MAINTENANCE OF TRAFFIC
C-7.0	LIFE SAFETY PLAN
C-8.0	SWPPP PLAN
C-9.0 to C-9.5	SITE UTILITY PLAN & DETAILS
C-10.0	NPDES PLAN

PREPARED FOR
FIRE & RESCUE DEPARTMENT
CITY OF JACKSONVILLE
KEITH POWERS
DIRECTOR OF FIRE & RESCUE

MAYOR- LENNY CURRY
DIRECTOR OF PUBLIC WORKS- STEVE D. LONG, JR., P.E.
JANUARY 2023

PLAN APPROVAL

Development Services Division (Date)

Date — Water Dept (Reviewed)

Plan approval is 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

GENERAL PROJECT INFORMATION

GENERAL
City Development Number
Concurrency Application Number
Property Appraiser Number (RE #) 159845 0000
Zoning Designation
Zoning Application(s) (if any)

PUD Ordinance Number
FIRM – Community – Panel
Flood Zones (Show on Plans) ZONE X
Base Flood Elev. (Show on Plans)
Vertical Datum Used for Project NAVD-1988
JEA Availability Number

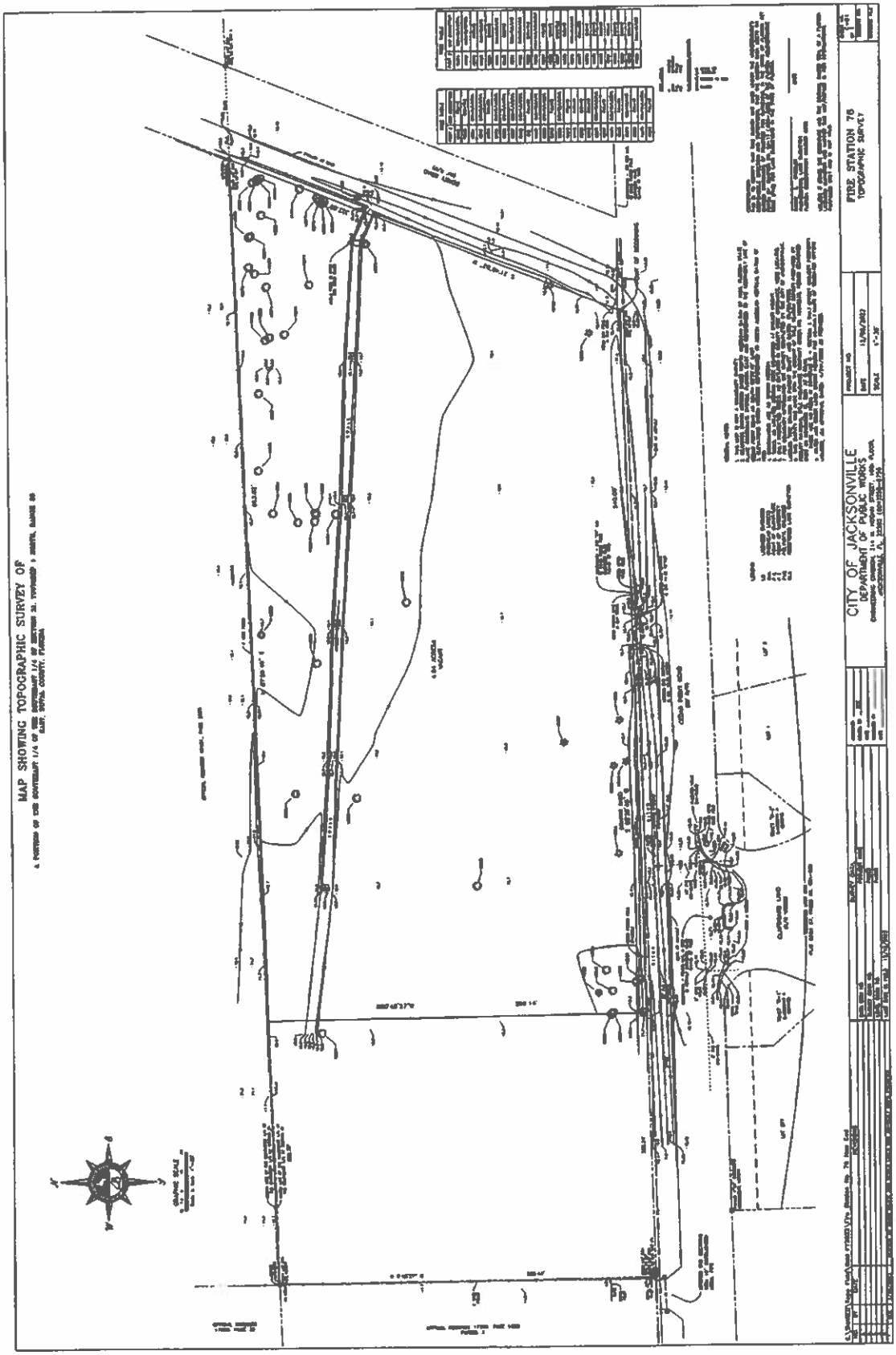
SUBDIVISION
PSD Number
City or Private Inspection
Public or Private Roads
Subdivision ("911") Data Provided?

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

NOTICE: THE ORIGINAL RECORD OF THIS SHEET IS THE AUTHENTIC SEALED AND SIGNED PLAN MADE BY C.A.

EXHIBIT P-2

EXHIBIT P-2


MAP SHOWING TOPOGRAPHIC SURVEY OF
FIRE STATION 76
TOPOGRAPHIC SURVEY
CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES

1) PRIOR TO BEGINNING EXCAVATION CONTRACTOR SHALL PROVIDE & MAINTAIN ADEQUATE EROSION & TURBIDITY CONTROLS DURING & FOLLOWING CONSTRUCTION UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO AVOID ADVERSE ENVIRONMENTAL IMPACTS TO OFF SITE PROPERTY DRAINAGE SYSTEM AND WETLANDS

2) ELEVATIONS BASED ON N G V D

3) THE CONTRACTOR SHALL OBTAINING ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT THE CITY WILL OBTAIN THE SITE CLEARING PERMIT

4) ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH THE CITY OF JACKSONVILLE STANDARD SPECIFICATIONS AND THE J E A WATER AND SEWER STANDARDS, DETAILS AND MATERIALS MANUAL (LATEST EDITIONS)

5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM HIS OPERATION AND FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACK FILL MATERIAL

6) THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AS-BUILT DRAWINGS, TEST REPORTS AND OTHER INFORMATION AS REQUIRED TO VERIFY AND CERTIFY COMPLETION OF THE PROJECT AND OBTAIN PROJECT APPROVAL & ACCEPTANCE BY GOVERNMENTAL AGENCIES

7) REFER TO THE SPECIFICATION BOOK AND TO DRAWING C-03 FOR SITE SODDING REQUIREMENTS

8) THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PAVING AND ALL OTHER STRUCTURES WITH ALL OTHER UTILITIES

9) THE CONTRACTOR SHALL LOCATE, VERIFY AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY EXCAVATING ACTIVITIES

10) THE CONTRACTORS SHALL NOTIFY ALL APPLICABLE UTILITIES COMPANIES 48 HOURS PRIOR TO INITIATING AN EXCAVATION WITHIN STREET R O W OR AS REQUIRED BY THE UTILITIES COMPANIES

11) IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO CONFIRM IN THE FIELD THE LOCATION OF THE EXISTING UTILITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS

12) UTILITY CONTACTS THE FOLLOWING UTILITY CONTACT IS PROVIDED

CITY OF JACKSONVILLE TRAFFIC ENGINEERING	Chris LeDew 904-255-7533
CITY TRAFFIC SUPERVISOR	Ronald Treppen, 904-255-8704
	P K. Patel, 904-859-4976
AT&T/ DISTRIBUTION	James Graham 904-509-6472
COMCAST CABLE COMMUNICATIONS INC	
JACKSONVILLE ELECTRIC AUTHORITY JEA-WS&DU WATER & SEWER	
	William Haywood C 904-873-6134
	O 904-296-7754
JEA DISTRIBUTION AND TRANSMISSION	Ryan Hasten, 904-665-6171

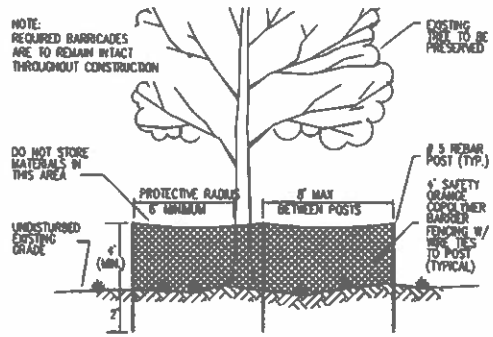
13) THE CITY PLACED A SUNSHINE STATE ONE CALL DESIGN TICKET (No 312804373-000) AND CONTACTED THE UTILITY COMPANIES INDICATED IN GENERAL NOTE No 12 TO UPDATE THEIR INFORMATION THE CONTRACTOR IS RESPONSIBLE FOR PLACING A CONSTRUCTION TICKET AND FOR NOTIFYING THE RIGHT OF WAY USERS AS INDICATED IN THE GENERAL NOTES No 8 9, 10 11 AND 12

ADDITIONAL NOTES

1 CODES REGULATING DEMOLITION WORK SHALL BE COMPLIED WITH - THE CONTRACTOR SHALL PUT UP AND MAINTAIN SUCH BARRIERS AND WARNING LIGHTS, AS MAY BE NECESSARY OR REQUIRED BY CODE, TO PROTECT AND PREVENT UNAUTHORIZED PERSONNEL FROM ENTERING THE DEMOLITION WORK AREA. ALL DEMOLITION OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OSHA) INSOFAR AS THEY APPLY TO DEMOLITION WORK TO BE PERFORMED UNDER THIS CONTRACT

2 DISPOSAL OF EXISTING EQUIPMENT AND DEBRIS - ALL DEBRIS AND EXISTING MATERIALS AND EQUIPMENT SHALL BE HAULED AWAY AND DISPOSED OF BY THE CONTRACTOR THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR OBTAINING DISPOSAL AREAS THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT SPILLAGE OF MATERIALS BEING HAULED IN PUBLIC STREETS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY CLEAN UP ANY SPILLAGE WHICH MAY ACCIDENTALLY OCCUR

3 CLEANUP THE CONTRACTOR SHALL MAINTAIN AN ORDER OF NEATNESS AND GOOD HOUSEKEEPING TOOLS, SCAFFOLDING AND OTHER DEMOLITION EQUIPMENT MUST AT ALL TIMES BE KEPT IN A NEAT AND ORDERLY ARRANGEMENT AT THE CONCLUSION OF THE DEMOLITION OPERATIONS, THE ENTIRE WORK AREA SHALL BE LEFT IN A CLEAN CONDITION AS REQUIRED FOR SUBSEQUENT NEW WORK.



TREE PROTECTION FENCE

a A temporary barrier shall be constructed to prevent disturbance of the soil a minimum of six (6) feet from the trunk at any point or an area equal to fifty (50) percent of the area within the drip line The barriers shall remain in place throughout construction

b The developer shall not cause or allow the cleaning of equipment, storage or disposal of materials or waste materials such as paint, solvents, asphalt, concrete, mortar, or any other material that may endanger the health of trees or vegetation within the drip line of protected trees

c The protected area shall be maintained at its original grade with no trenching or cutting of any roots and there shall be no storage of fill or compaction of soil In no event shall motorized vehicles or equipment be allowed to park on or traverse that area within the drip line of protected trees nor shall any dirt or other materials be stored within the barriers

d No attachment, wires (other than protective guy wires) signs or permits shall be fastened to a tree

e All cleaning and grubbing within protected tree area will be done with hand tools only

f All root systems outside the protective radius which occur in areas of proposed improvements shall be pruned by a qualified tree surgeon prior to excavation

g Developers shall post signs governing tree removal The sign shall be not less than two (2) feet by two (2) feet in size and shall contain the following

PROTECTED TREES
ALL TREES MARKED TO BE SAVED ARE PROTECTED BY THE APPLICABLE LAND DEVELOPMENT CODES ANY PERSON DAMAGING ANY MARKED TREES WILL BE SUBJECT TO A FINE OF UP TO $250 00 PER DAY AND A STOP WORK ORDER

h Standards for protection of trees on disturbed sites are contained in the publication "Tree Protection Manual for Builders and Developers" published by the Florida Department of Agriculture and Consumer Services latest edition, and available through the Florida Department of Agriculture Division of Forestry

TREE PROTECTION NOTES

General During construction, protect from damage all existing trees designated to remain by erecting and maintaining tree protection barricades where shown and as required by the City Site Clearing Permit

Storage of Materials and Storage Keep stored materials equipment and vehicles at least 20 feet from the drip-line of existing trees shown to remain

Site Clearing Permit, Tree Protection Comply with the tree protection requirements of the City Building Inspection Division and the contract documents Prior to land clearing or demolition operations, complete the following (1) obtain site clearing permit from the City, (2) erect tree protection barricades where shown and as required by the site clearing permit and (3) request and pass tree barricade inspection required by the City Maintain tree barricades in good condition Remove barricades when landscaping begins

Protect tree roots within the tree drip-line from spills or runoff of noxious material such as paint petroleum products and chemicals in solution that can be harmful to plants Burning of construction debris within the site limits is prohibited

Tree Removal and Clearing Remove trees as designated and legally dispose of debris Remove trees in a manner that will not damage preserved trees DO NOT BURY TREE REMOVAL DEBRIS ON THE SITE Obtain approval from the Engineer before disturbing or removing any preserved tree

Tree Pruning Engage a tree surgeon who is licensed and insured to perform tree pruning Comply with recognized pruning standards of the industry Prune branches to the branch collar - do not leave branch stubs Cut branches with sharp pruning instruments-do not tear or chop Before beginning other site work, including demolition prune preserved trees to clear for construction and for vehicular or pedestrian circulation Provide the following branch clearance above the ground
a 12 feet above vehicular areas
b 5 feet above building roof elevations,
8 feet above other site areas
Extend tree pruning operation to restore the natural shape of the tree If preserved trees are damaged during construction, repair promptly and as directed by the Engineer

Trenching Where trenching is required within the drip-line of a preserved tree, hand-dig under the major lateral roots Cut minor roots with sharp pruning tools - do not break or chop

Excavating for Structures and Pavement If tree roots are encountered when excavating for new structures saw cut roots approximately 6" back from the edge of the structure-do not break or chop

Replacement of Damaged or Removed Preserved Trees Unless previously approved by the Engineer, replace preserved trees that have been removed or that, in the Engineer's opinion, have been significantly damaged by construction Significant damage shall be when any one of the following conditions occur

extensive soil compaction or soil contamination within the preserved portions of the tree drip-line,
over 4" of fill covering over 25% of the root zone within the preserved portions of the tree drip-line,
excavation that removes over 25% of the root zone within the preserved portions of the tree drip-line,
damage to major tree branches,
a trunk wound with a width that exceeds 10% of the trunk circumference, or
a tree displaying signs of poor health after the beginning of construction and during the one year warranty period of the building

If the Engineer determines that a preserved tree has been significantly damaged by construction or removed without approval, then the contractor shall provide replacement trees for preserved trees that have been damaged or removed Replacement trees shall be 4" caliper and of the species approved by the Engineer The total number of new replacement 4" trees shall be determined by dividing the DBH of the each tree being replaced by 4, rounded off to the nearest whole number Remove damaged or declining trees at no additional cost to the City

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

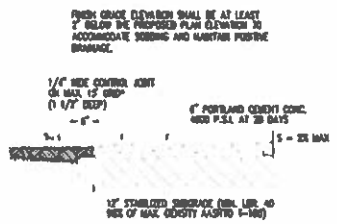
CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
10/17/2022	MCW	2022-0055

TEMPORARY FIRE STATION Nº 76
GENERAL NOTES

SHEET NO. C-1.0

EXHIBIT P-2



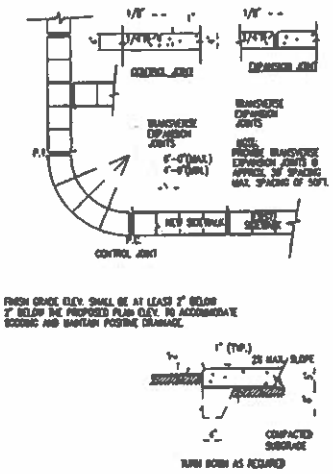
NOTE:

1. SAW CUT CONTROL JOINTS AS SOON AS POSSIBLE

NOTES:

1. ALL ½" JOINTS SHALL BE CONSTRUCTED WITH PREFORMED JOINT FILLER. ½" OPEN JOINTS PLACED AT EQUAL (20' MAX) INTERVALS FOR DRIVEWAYS OVER 20' WIDE. JOINTS IN CURB AND GUTTER TO MATCH JOINTS IN DRIVEWAYS.
2. SEE CITY STANDARD DETAILS (PLATE P-100), FDOT STANDARD INDEX 305 AND 515 FOR JOINT DETAILS.

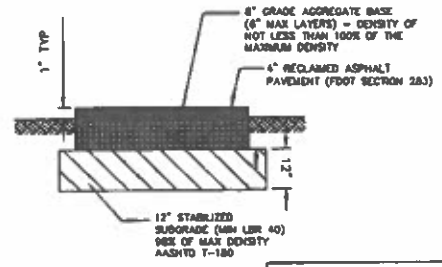
PARTIAL CONCRETE DRIVEWAY & ADA PARKING TYPICAL SECTION
NOT TO SCALE



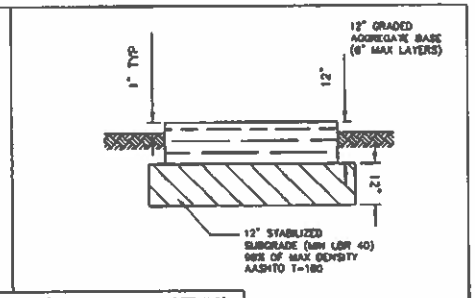
NOTES:

1) SIDEWALK TO BE 5" THICK.
2) EXPANSION JOINT TO BE PLACED EVERY 18', SAWCUT EVERY 6'.

TYPICAL SIDEWALK DETAILS
NOT TO SCALE

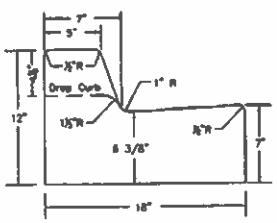


RAP & GRADED AGGREGATE BASE
NOT TO SCALE

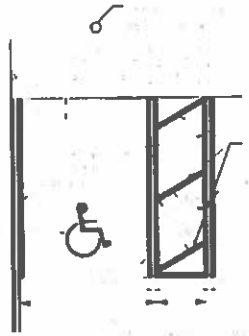


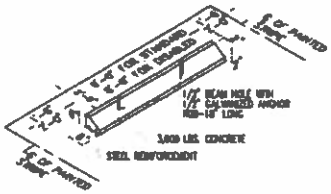
DRIVEWAY & PARKING AREAS (ONE OF THESE 2 DETAILS)

GRADED AGGREGATE BASE (DRIVEWAYS)
NOT TO SCALE

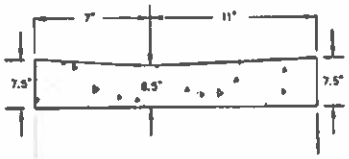


CITY STANDARD CURB DETAIL
NOT TO SCALE



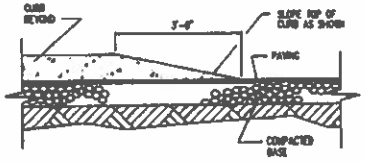


PRECAST CONCRETE WHEEL STOP
NOT TO SCALE

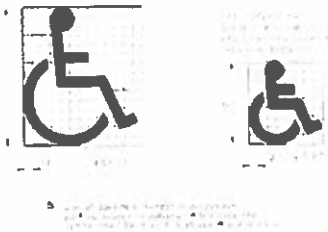


(MIN. 3500 PSI CONC.)

TYPICAL VALLEY CURB DETAIL
NOT TO SCALE



CURB TAPER DETAIL
NOT TO SCALE



ADA PARKING & SYMBOL OF ACCESSIBILITY
NOT TO SCALE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
10/17/2022	MCW	2022-0055

TEMPORARY FIRE STATION № 76
DETAILS

SHEET NO. C-2.0

EXHIBIT P-2

EXHIBIT P-2

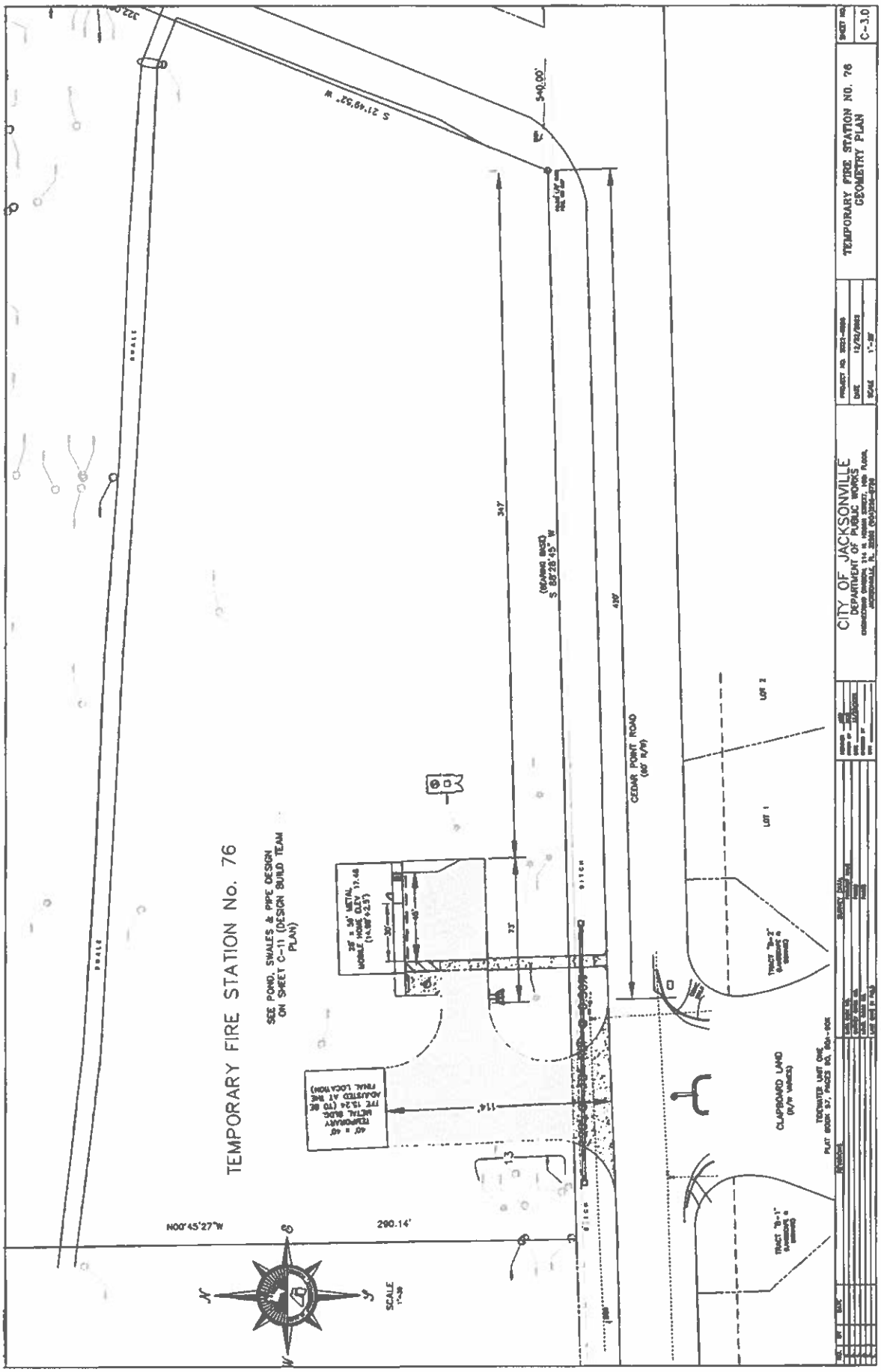
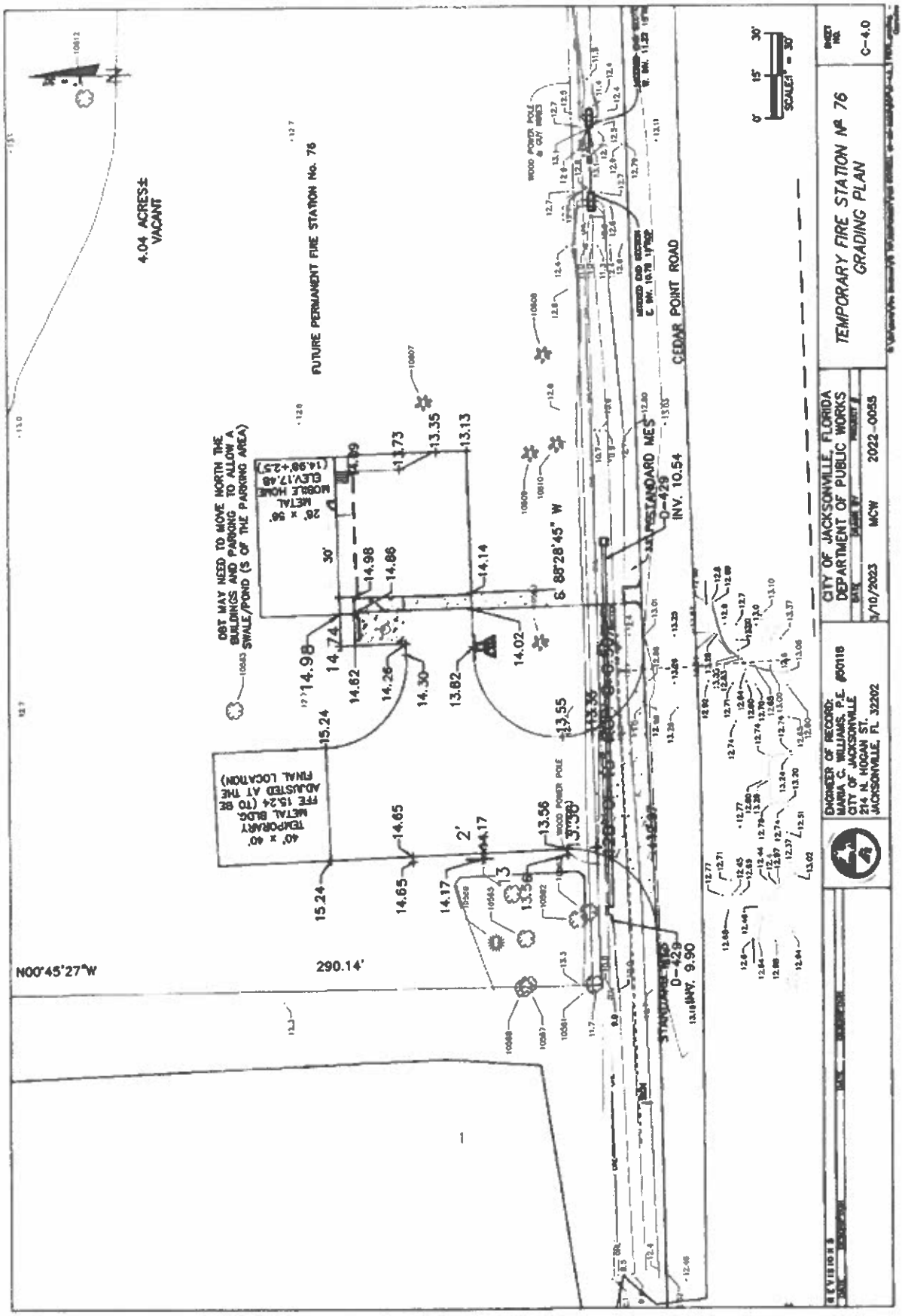
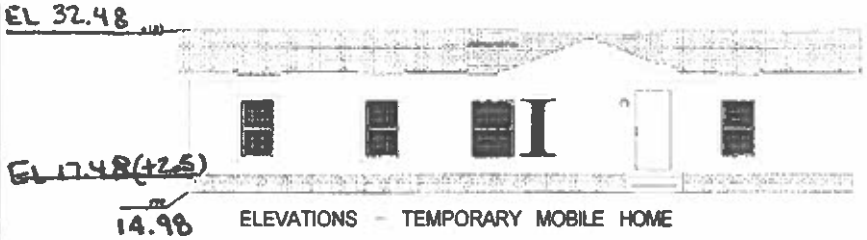
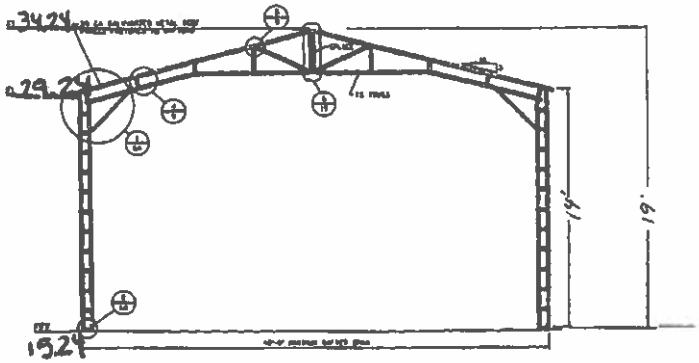

TEMPORARY FIRE STATION No. 76
SEE POND, SWALES & PIPE DESIGN ON SHEET C-11 (DESIGN BUILD TEAM PLAN)
N00°45'27"W
290.14'
114'
347'
430'
540.00'
S 21°49'32" W
(BEARING BASIS) S 88°28'45" W
CEDAR POINT ROAD (80' R/W)
LOT 1
LOT 2
CLAPBOARD LAND (R/W VARIES)
TEMPORARY FIRE STATION NO. 76
GEOMETRY PLAN
C-3.0
CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS
SCALE
1"=30'

EXHIBIT P-2

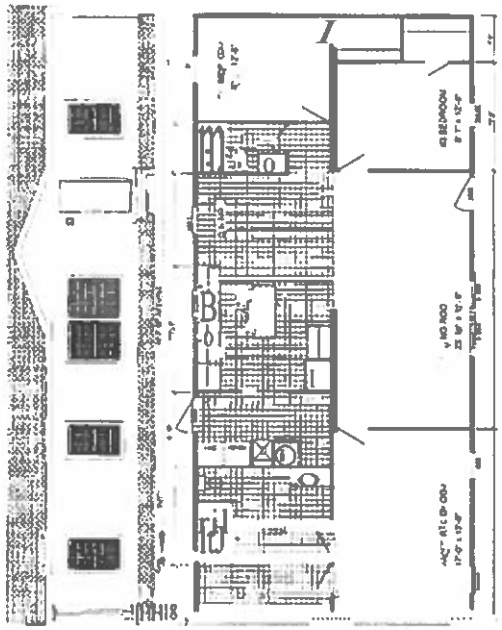

4.04 ACRES±
VACANT
FUTURE PERMANENT FIRE STATION No. 76
DBT MAY NEED TO MOVE NORTH THE BUILDINGS AND PARKING TO ALLOW A SWALE/POND (S OF THE PARKING AREA)
26' x 56'
METAL
MOBILE HOME
ELEV.17.48
(14.98'+2.5')
40' x 40'
TEMPORARY
METAL BLDG.
FFE 15.24 (TO BE
ADJUSTED AT THE
FINAL LOCATION)
WOOD POWER POLE
& GUY WIRES
WOOD POWER POLE
STANDARD MES
INV. 10.54
S 88°28'45" W
CEDAR POINT ROAD
N00°45'27"W
290.14'
SCALE: 1" = 30'
0' 15' 30'
TEMPORARY FIRE STATION № 76
GRADING PLAN
C-4.0
CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS
9/10/2023
MCW
2022-0055
ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202



ELEVATIONS - TEMPORARY MOBILE HOME



ELEVATIONS - TEMPORARY METAL BUILDING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MARIA C WILLIAMS, P.E #50118
CITY OF JACKSONVILLE
214 N HOGAN ST
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT
2-5-2023	MCW	2022-0055

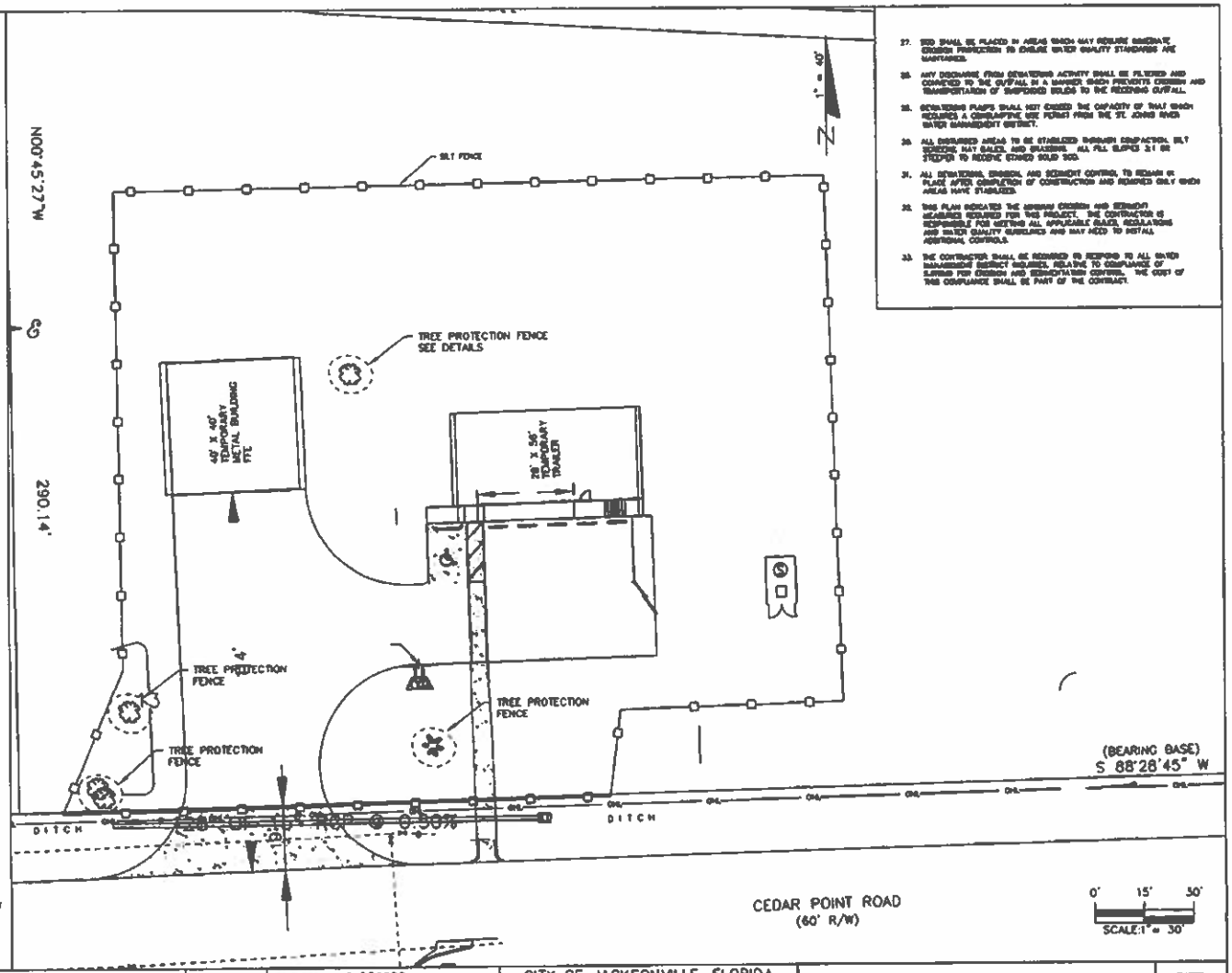
TEMPORARY FIRE STATION NO 76
MOBILE HOME & METAL BUILDING
DETAILS & ELEVATIONS

SHEET NO C-4.1

EXHIBIT P-2

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REMOVABLE ON-SITE AND ASSURING PLAN HARMONY AND GRADE ON ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL PROTECTION – ON-SITE PROVISION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNDER DIMENSIONS OR ACCIDENTS.
4. CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
6. FOOT NO. 1 GRADE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED IN D-903. 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 WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BALES SHALL BE EITHER WIRE-BOUND OR STRAW-TIED WITH THE BINDING ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE EXTENSIVELY AND SADDLED. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 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 REBARS DRIVEN THROUGH THE BALE.
12. LOOSE STRAW SHOULD BE WEDGED BETWEEN BALES TO PREVENT WATER FROM DITCHING BETWEEN BALES.
13. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
14. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
16. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
17. 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.
18. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
19. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSIT IS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
20. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
21. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
22. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
23. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT SPECIFICATIONS AND CRITERIA.
24. 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.
25. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.
26. ALL DISTURBED AREAS SHALL BE GRADED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
27. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
28. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONNECTED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
29. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A DEWATERING USE PERMIT FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
30. ALL DISTURBED AREAS TO BE STABILIZED THROUGH COMPACTION, SILT FENCING, HAY BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
31. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND REMOVED ONLY WHEN AREAS HAVE STABILIZED.
32. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE CODES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
33. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO COMPLIANCE OF PERMITS FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

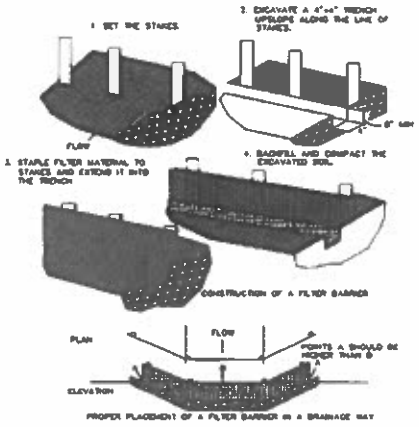
CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
2/7/2023	AMT	2018-0118

TEMPORARY FIRE STATION № 76
DEMOLITION &
SEDIMENT CONTROL PLAN

SHEET NO. C-5.0

EXHIBIT P-2



FILTER BARRIER CONSTRUCTION DETAIL

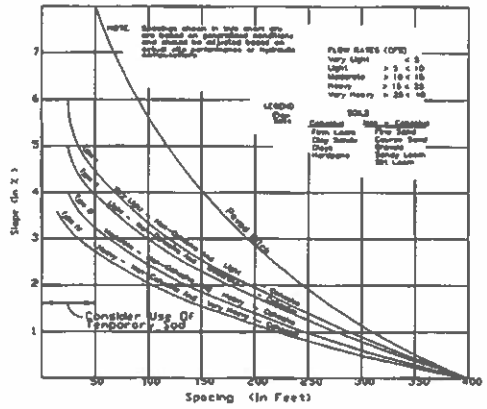


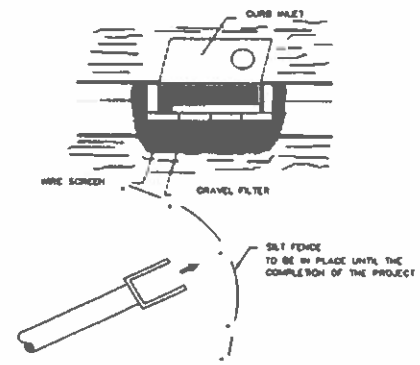
CHART 1
RECOMMENDED SPACING FOR TYPE I, TYPE II, TYPE III AND TYPE IV SILT FENCES

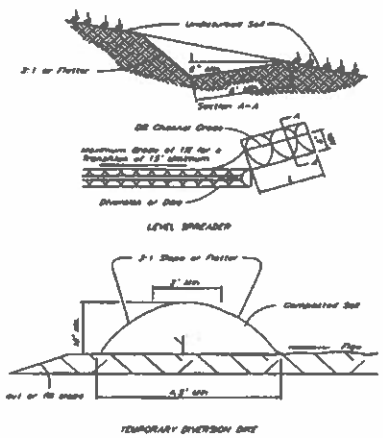
SPACING RECOMMENDATION FOR SILT FENCES

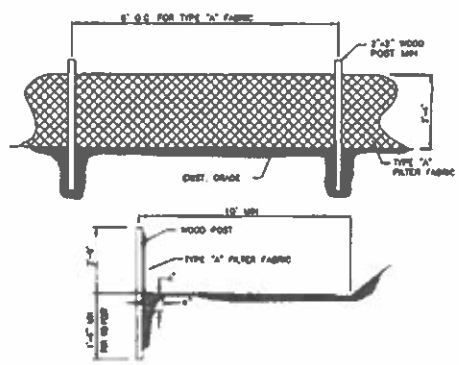
N.T.S.

OUTLET PROTECTION

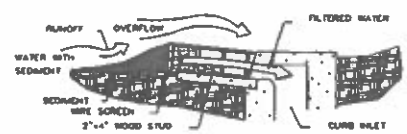
N.T.S.







TEMPORARY SILT FENCE



SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

BLOCK + GRAVEL CURB INLET SEDIMENT FILTER

N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N HOGAN ST
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

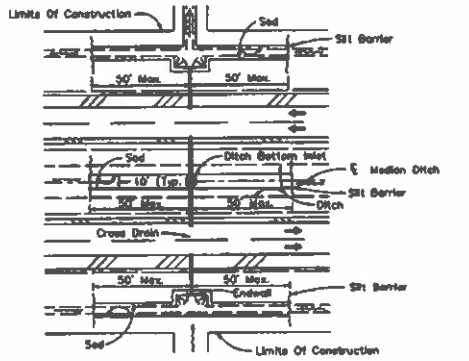
DATE	DRAWN BY	PROJECT #
/31/2023	RKG	

TEMPORARY FIRE STATION Nº 76
SEDIMENT & EROSION CONTROL

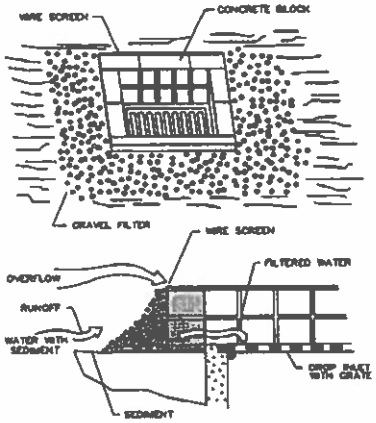
SHEET NO
C-5.2

Grant Rajnder 7/1/2023 8:09:30 AM

EXHIBIT P-2



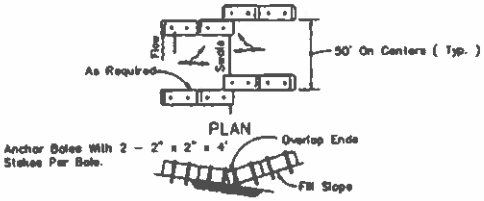
DITCH INSTALLATIONS AT DRAINAGE STRUCTURES



SPECIFIC APPLICATION

BLOCK + GRAVEL DROP INLET SEDIMENT FILTER

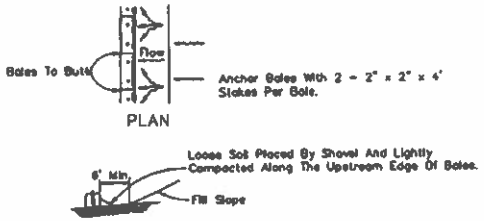
N.T.S.



PLAN

ELEVATION

TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



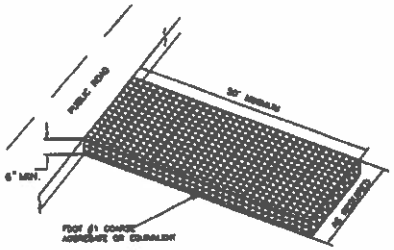
PLAN

ELEVATION

TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

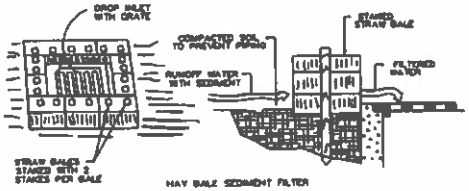
BARRIERS FOR FILL SLOPES

NOTE: SEE HAY BALE LOC. (D-801)
N.T.S.



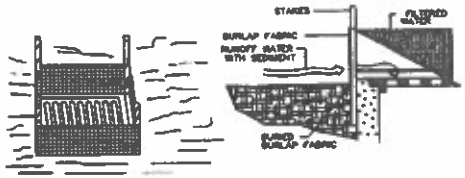
STABILIZED CONSTRUCTION ENTRANCE

N.T.S.



HAY BALE SEDIMENT FILTER

SPECIFIC APPLICATION



FABRIC SEDIMENT FILTER

SPECIFIC APPLICATION

DROP INLET SEDIMENT TRAP

N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N. HOGAN ST
JACKSONVILLE, FL 32202

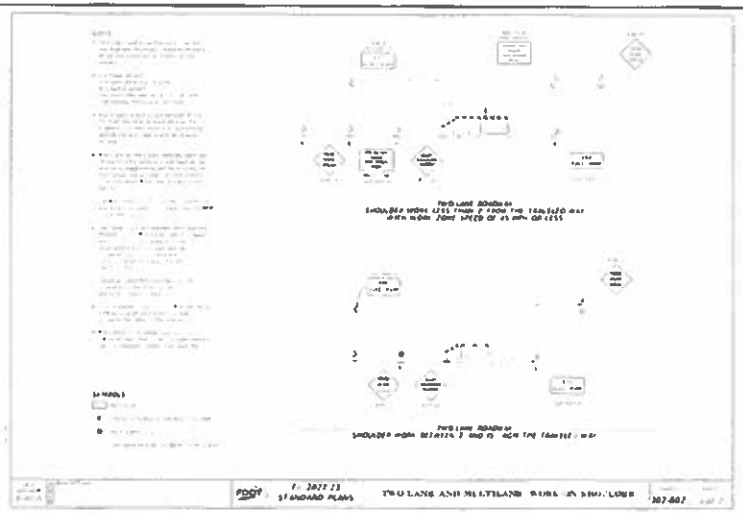
CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

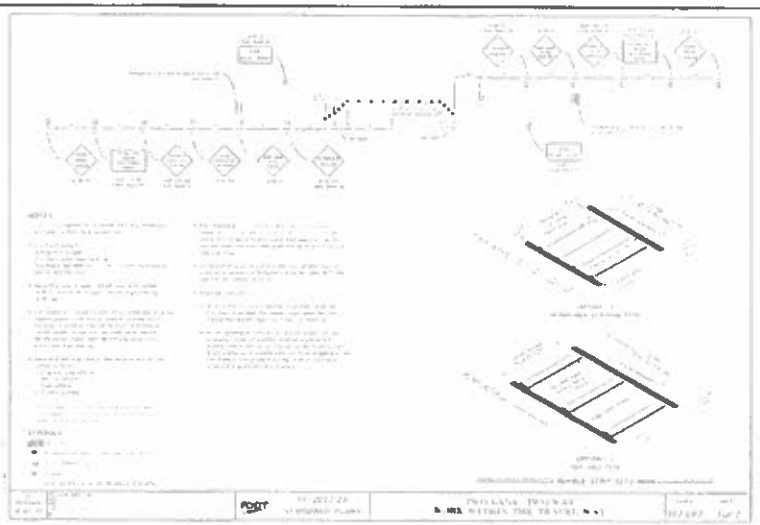
DATE	DRAWN BY	PROJECT #
1/31/2023	RKG	

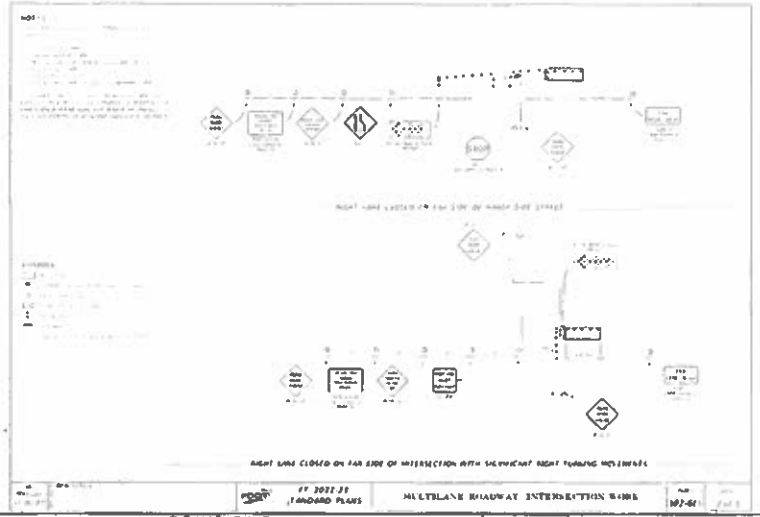
TEMPORARY FIRE STATION № 76
SEDIMENT & EROSION CONTROL

SHEET NO. C-53

EXHIBIT P-2







MAINTENANCE OF TRAFFIC NOTES:

1. THE CONTRACTOR SHALL SUBMIT A PHASING PLAN WITH A PROPOSED CONSTRUCTION SCHEDULE TO COJ TRAFFIC ENGINEERING AND TO JTRO PRIOR TO BEGINNING CONSTRUCTION.
2. ANY MODIFICATION TO THE TEMPORARY TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE CITY TRAFFIC ENGINEERING DIVISION FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
3. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEERING DIVISION (904-630-7533) A MINIMUM OF 5 WORKING DAYS PRIOR TO THE IMPLEMENTATION OF MOT. THIS SHALL BE THE CASE AT EACH OF THE PROJECT WORK SITES.
4. THE PROJECT WORK HOURS SHALL BE BETWEEN 7:00 AM AND 7:00 PM ON RESIDENTIAL STREETS AND BETWEEN 9:00 AM AND 4:00 PM ON COLLECTOR OR ARTERIAL STREETS.
5. NO LANE CLOSURES ARE ALLOWED FROM 7:00 AM TO 9:00 AM OR FROM 4:00 PM TO 7:00 PM MONDAY THROUGH FRIDAY
6. ACCESS TO SIDE STREETS, PRIVATE DRIVEWAYS, AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
7. THE CONTRACTOR SHALL CONFIRM THAT EXISTING SIGNAGE WILL NOT POSE A CONFLICT FOR WORK ZONE TRAFFIC CONTROL. THE CONTRACTOR SHALL COVER OR REMOVE ALL SIGNS IN CONFLICT WITH THE TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS.
8. IF SIGNS ARE DAMAGED DURING CONSTRUCTION ACTIVITY, THE CONTRACTOR IS REQUIRED TO REPLACE THEM IMMEDIATELY IN ACCORDANCE WITH CURRENT CITY STANDARD SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
9. THE CITY OF JACKSONVILLE PROHIBITS MID-BLOCK CROSSINGS OF PEDESTRIANS. WHEN AN ALTERNATE PAVED PEDESTRIAN ROUTE IS NOT FEASIBLE, THE CONTRACTOR SHALL MAINTAIN A 4-FT. WIDE STABLE PEDESTRIAN PATHWAY IN ACCORDANCE WITH FDOT INDEX 102-660.
10. DUST CONTROL MEASURES SHALL BE IMPLEMENTED ON ALL UNPAVED SURFACES UNTIL PAVED.
11. THIS REVIEW APPROVAL IS FOR CITY OF JACKSONVILLE MAINTAINED RIGHT-OF-WAY ONLY.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

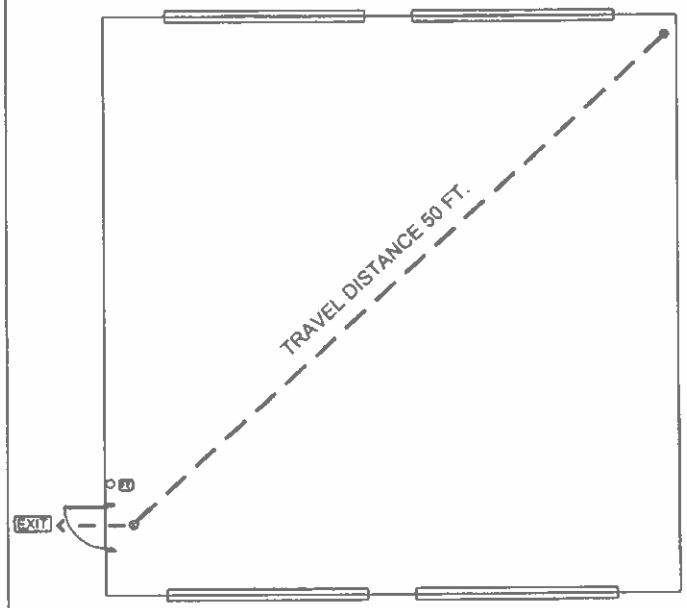
ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE PUBLIC WORKS DEPARTMENT		
DATE	DRAWN BY	PROJECT NO.
1/27/23	MCW	PW2022-0065

TEMPORARY FIRE STATION # 76
TRAFFIC CONTROL PLAN

SHEET NO. C-60

EXHIBIT P-2



LIFE SAFETY PLAN

7th EDITION FLORIDA FIRE CODE BASED ON NFPA, FIRE CODE 2020 EDITION & NFPA 101 LIFE SAFETY - CODE 2020 EDITION

CLASSIFICATION BY OCCUPANCY STORAGE UNIT GROUP S-2

MIXED OCCUPANCY NO SEPARATION OCCUPANCY NONE

TYPE OF CONSTRUCTION
PROTECTED UNPROTECTED X

SPRINKLED YES NO X

BUILDING VARIABLES	REQUIRED & ALLOWED	PROVIDED
BUILDING HEIGHT & NUMBER OF STORIES		14
NUMBER OF STORIES		1
BUILDING AREA / FLOOR AREA PER STORY		640
OCCUPANCY LOAD / FLOOR AREA PER PERSON		0 [illegible]
ASSEMBLY TOTAL SEATING / PERSON		N/A
EGRESS WIDTH / PERSON		3" 18 x 0.30
LENGTH OF DEAD END		0
MAXIMUM DISTANCE TO EXIT		50'
MINIMUM NUMBER OF EXITS		1
FIRE PROTECTION REQUIREMENTS STRUCTURAL FRAME - INCLUDING COLUMNS, GIRDERS, TRUSSES		0
BEARING WALLS - EXTERIOR INTERIOR		0
NONBEARING WALLS AND PARTITIONS - EXTERIOR - INT		0
NONBEARING WALLS AND PARTITIONS - EXTERIOR		0
FLOOR CONSTRUCTION - INCLUDING SUPPORTING BEAMS & JOISTS		0
ROOF CONSTRUCTION - INCLUDING SUPPORTING BEAMS & JOISTS		0

LIFE SAFETY PLAN GENERAL NOTES

A IN ACCORDANCE WITH FFPC-LSC 7.2.1.5, ALL EXIT DOOR LEAVES SHALL BE ARRANGED TO BE OPENED READILY FROM THE EGRESS SIDE WHENEVER THE BUILDING IS OCCUPIED

B IN ACCORDANCE WITH FFPC-LSC 7.2.1.5.3, LOCKS (INCLUDING ELECTRONIC LOCKSETS WITH ACCESS CONTROL) SHALL NOT REQUIRE THE USE OF A KEY, A T[illegible] OR SPECIAL KNOWLEDGE OR EFFORT

C ALL DOORS AND FINISH HARDWARE SHALL BE COMPLIANT WITH THE REQUIREMENT OF THE FLORIDA BUILDING CODE 7TH EDITION (2020

LIFE SAFETY PLAN LEGEND

- MAXIMUM TRAVEL DISTANCE
- EXIT — EXIT DOOR
- FE — FIRE EXTINGUISHER W/ BRACKET (MULTI-PURPOSE CHEMICAL TYPE, UL 4A-80BC, 10-LB)

REVISIONS				
NO	BY	DATE	DESCRIPTION	STAMP

ENGINEER OF RECORD
MARIA C. WILLIAMS, P.E. #5[illegible]8
CITY OF JACKSONVILLE
214 N. HOGAN ST
JACKSONVILLE, FL 32202

TEMPORARY FIRE STATION 76
LIFE SAFETY & FIRE CODE

C-7.0

EXHIBIT P-2

PROJECT: TEMPORARY FIRE STATION #76

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
TO BE COMPLETED EVERY 7 DAYS AND WITHIN 24 HOURS OF
A RAINFALL EVENT OF 0.50 INCHES OR MORE

INSPECTOR _____ DATE: _____

INSPECTOR'S COMMENTS:

DATE SINCE LAST RAINFALL _____ AMOUNT OF LAST RAINFALL _____ INCHES

STABILIZATION MEASURES

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

STABILIZATION REQUIRED:

TO BE REPORTED BY _____ ON OR BEFORE: _____

PAGE 1 OF 4

PROJECT: TEMPORARY FIRE STATION #76

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

STRUCTURAL CONTROLS

DATE: _____

EARTH DIKES/BERMS

DIKE OR BERM	FROM	TO	IS DIKE/BERM STABILIZED ?	IS THERE EVIDENCE OF RUNOFF OR OVERTOPPING

MAINTENANCE REQUIRED FOR EARTH DIKE/BERM:

TO BE PERFORMED BY: _____ ON OR BEFORE: _____

CATCH BASIN/BURIED INLET/OUTFALL PROTECTIVE CONTROLS

STRUCTURE / OUTFALL	ARE PROTECTIVE CONTROLS IN PLACE	ANY EVIDENCE OF CLOGGING/WASHOUT OR DISPLACEMENT ?	ARE PROTECTIVE CONTROLS IN NEED OF REPLACING	DOES SILT HAVE TO BE REMOVED FROM AROUND CONTROL

MAINTENANCE REQUIRED FOR CATCH BASIN/BURIED INLETS/OUTFALLS PROTECTIVE CONTROLS:

TO BE PERFORMED BY: _____ ON OR BEFORE: _____

PAGE 2 OF 4

PROJECT: TEMPORARY FIRE STATION #76

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
SEDIMENT BASIN

DEPTH OF SEDIMENT IN BASIN	DEPTH OF SEDIMENT SINCE BASIN	ANY EVIDENCE OF OVERTOPPING OF THE SEDIMENT ?	DIMENSION 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 BEY 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 SEDIMENT BEHIND THE ENTRANCE DRAINING (IF APPLICABLE)

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE:

TO BE PERFORMED BY _____ ON OR BEFORE: _____

PAGE 3 OF 4

PROJECT: TEMPORARY FIRE STATION #76

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 GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNATURE: _____

DATE: _____

PAGE 4 OF 4

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E #50118
CITY OF JACKSONVILLE
214 N HOGAN ST
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
	MCW	

TEMPORARY FIRE STATION Nº 76
STORM WATER POLLUTION
PREVENTION PLAN

SHEET NO
C-8.0

EXHIBIT P-2

EXHIBIT P-2

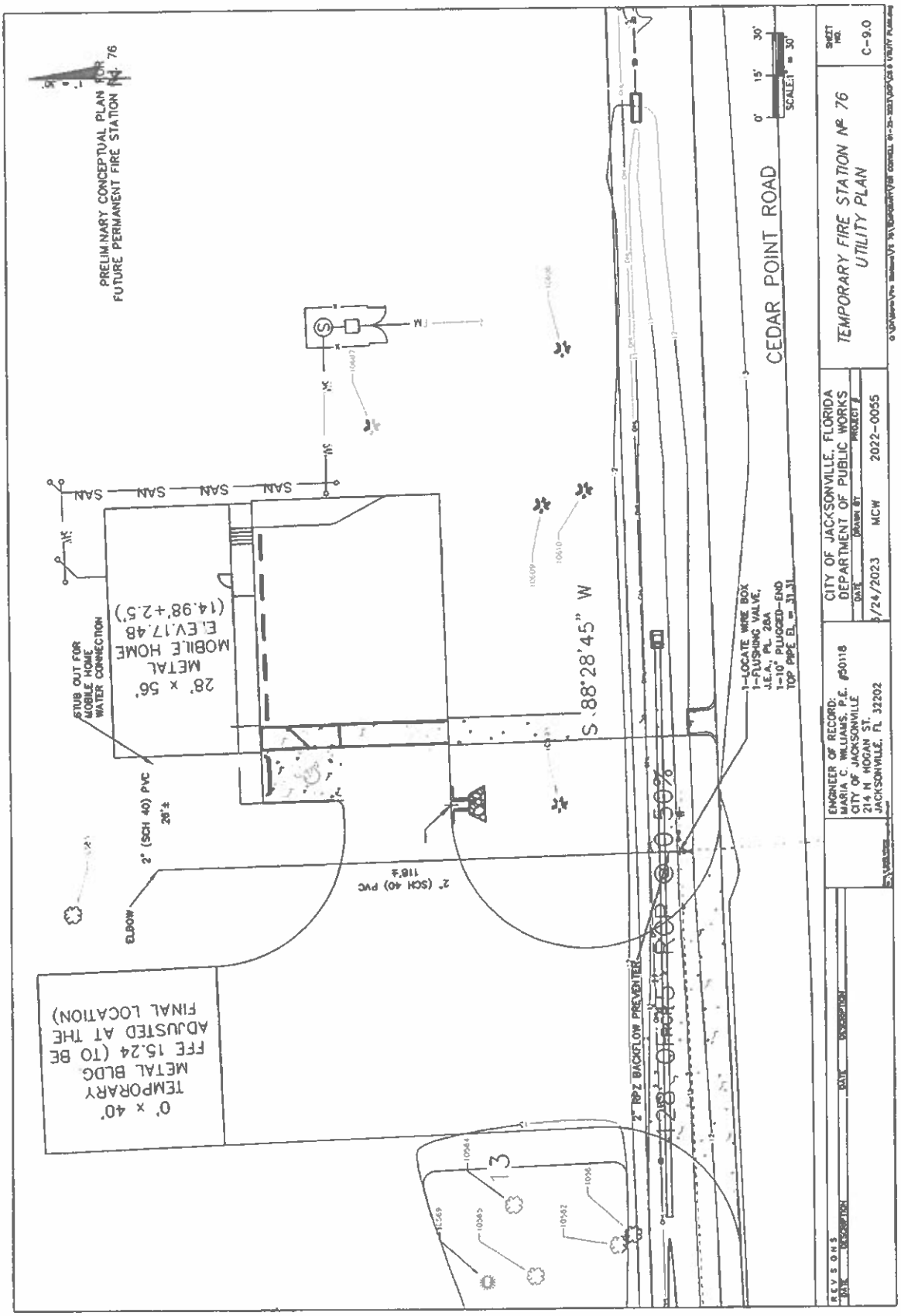
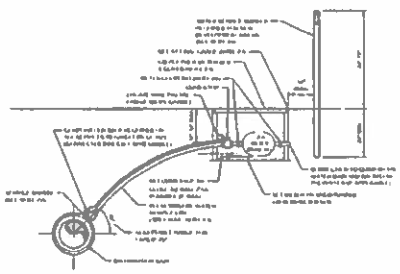

PRELIMINARY CONCEPTUAL PLAN
FUTURE PERMANENT FIRE STATION № 76
CEDAR POINT ROAD
SCALE: 1" = 30'
0' 15' 30'
S 88°28'45" W
0.50%
28' x 56'
METAL
MOBILE HOME
EL.EV.17.48
(14.98'+2.5')
STUB OUT FOR
MOBILE HOME
WATER CONNECTION
2" (SCH 40) PVC
26'±
ELBOW
2" (SCH 40) PVC
118'±
0' x 40'
TEMPORARY
METAL BLDG
FFE 15.24 (TO BE
ADJUSTED AT THE
FINAL LOCATION)
2" RPZ BACKFLOW PREVENTER
1-LOCATE WIRE BOX
1-FLUSHING VALVE,
J.E.A., PL 28A
1-10" PLUGGED-END
TOP PIPE EL. = 31.31
SAN
W
S
TEMPORARY FIRE STATION № 76
UTILITY PLAN
SHEET NO.
C-9.0
CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS
DATE
DRAWN BY
PROJECT #
/24/2023
MCW
2022-0055
ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N HOGAN ST.
JACKSONVILLE, FL 32202
REVISIONS
DATE
DESCRIPTION

EXHIBIT P-2



WATER SERVICE DETAIL - 2" AND SMALLER METER

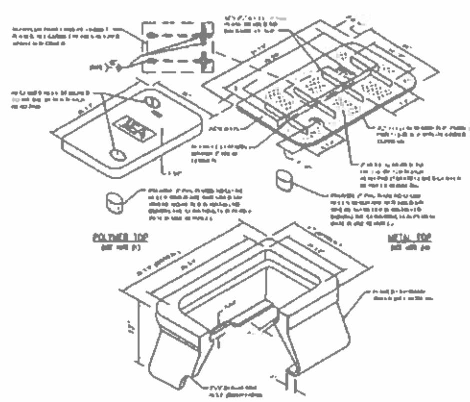
JANUARY 2021 PLATE W-3

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

PROPOSED UTILITY

SEPARATION REQUIREMENTS FOR
WATER, WASTEWATER AND RECLAIMED WATER MAINS

JANUARY 2021



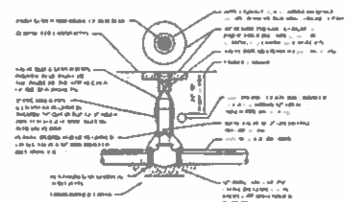
POLYMER TOP

METAL TOP

POLYMER BOX

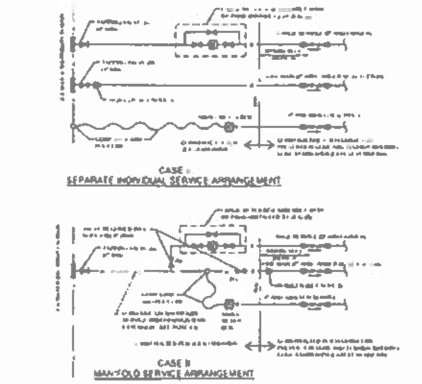
WATER METER BOX & COVER FOR
1-1/2" AND 2" METERS

JANUARY 2021 PLATE W-4



WATER VALVE INSTALLATION DETAIL

JANUARY 2021



CASE I
SEPARATE INDIVIDUAL SERVICE ARRANGEMENT

CASE II
MANIFOLD SERVICE ARRANGEMENT

KEY

WATER SERVICE MANIFOLD ARRANGEMENT

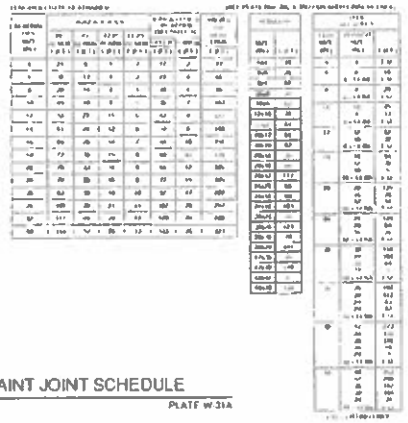
JANUARY 2021

NOTES ON UTILITY SEPARATION REQUIREMENTS

JANUARY 2021

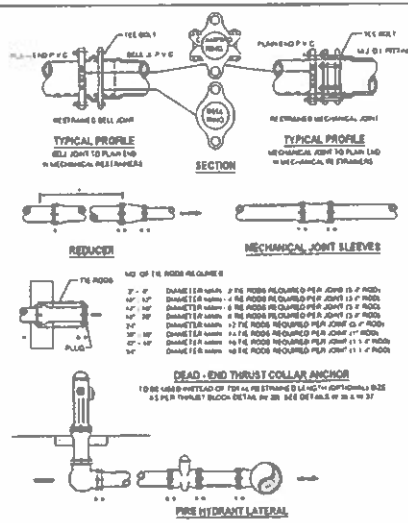
JEA 2021 STANDARD DETAILS

SCALE N.T.S.	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS	DATE 11/18/22	TEMPORARY FIRE STATION # 76 SITE UTILITY DETAILS	C9.1



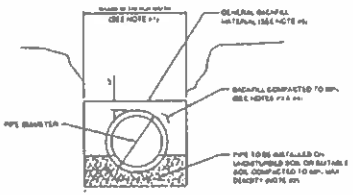
PVC PIPE RESTRAINT JOINT SCHEDULE

JANUARY 2021 PLATE W-31A



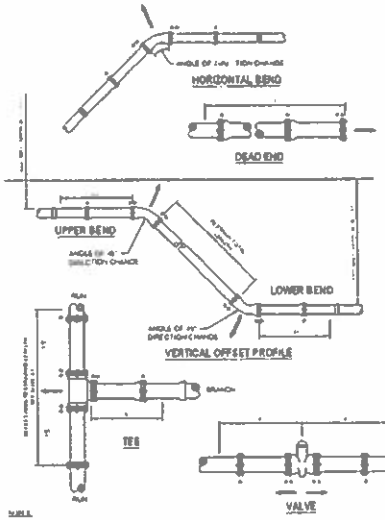
MECHANICAL RESTRAINT DETAILS - I

JANUARY 2021 PLATE W-31C



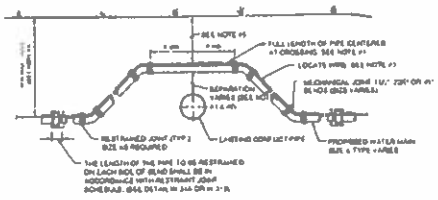
OPEN CUT TRENCH FOR PRESSURE PIPE

JANUARY 2021 IN CITY RIGHT -OF-WAY PLATE W-42



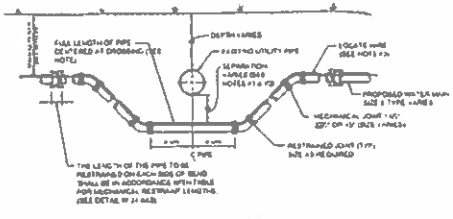
MECHANICAL RESTRAINT DETAILS - II

JANUARY 2021 PLATE W-31D



ADJUSTMENT OVER EXISTING UTILITIES
MECHANICAL RESTRAINTS

JANUARY 2021 PLATE W-32



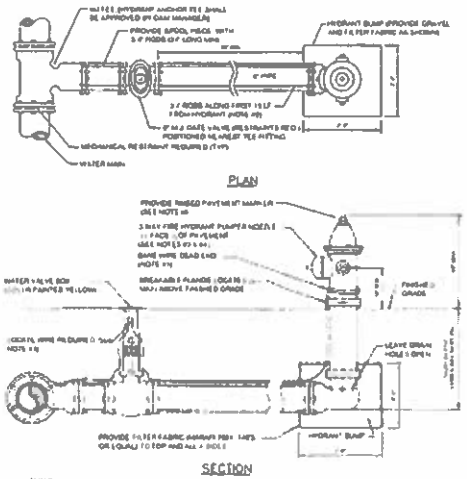
ADJUSTMENT UNDER EXISTING UTILITIES
MECHANICAL RESTRAINTS

JANUARY 2021 PLATE W-34

JEA 2021 STANDARD DETAILS

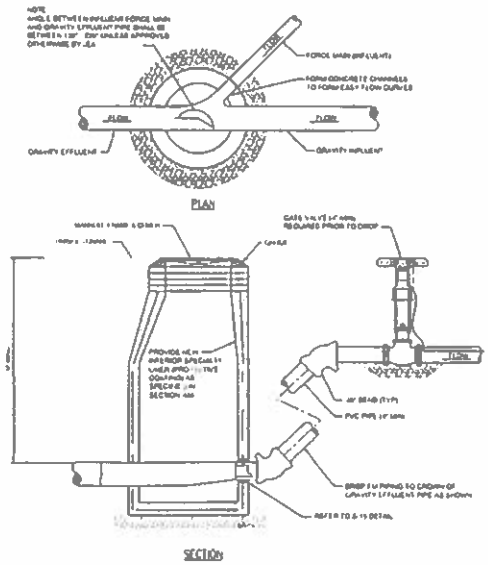
SCALE: NTS	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS	TEMPORARY FIRE STATION # 76 SITE UTILITY DETAILS	SHEET NO. C9.2

EXHIBIT P-2



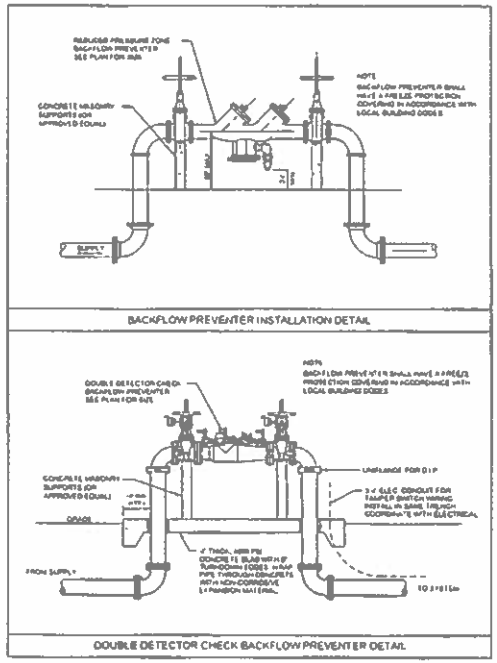
FIRE HYDRANT INSTALLATION
USING MECHANICAL JOINT TEE

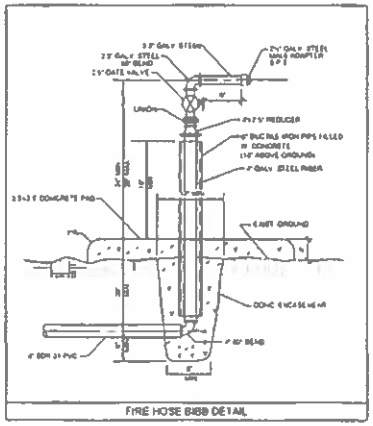
JANUARY 2021 PLATE W-13



TYPICAL FORCE MAIN CONNECTION TO MANHOLE

JANUARY 2021 PLATE S-18

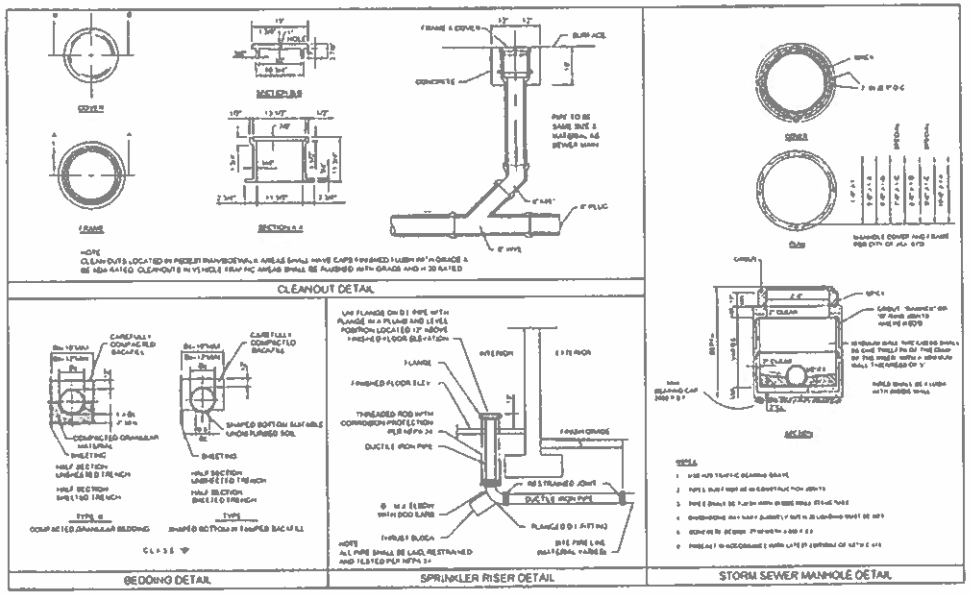




JEA 2021 STANDARD DETAILS

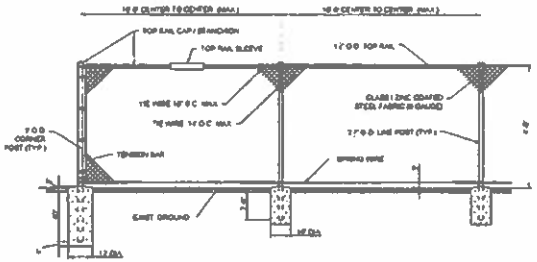
NTS	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS	TEMPORARY FIRE STATION # 76 SITE UTILITY DETAILS	C-9.3

EXHIBIT P-2



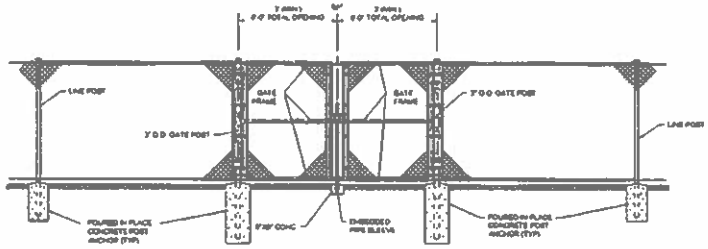
SCALE: NTS	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS	TEMPORARY FIRE STATION # 76 SITE UTILITY DETAILS	SHEET NO C9.4

EXHIBIT P-2



CHAIN LINK FENCE & CORNER POST DETAIL

POLYETHYLENE LINED PRECAST CONCRETE TOP SLAB TO BE OF 4,000 P.S.I. CONCRETE WITH MATCH OPENING CENTERED IN VENTWELL WALLS



GATE DETAIL

SCALE: NTS

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE | DRAWN BY | PROJECT #

TEMPORARY FIRE STATION # 76

PUMP STATION FENCING

SHEET NO. C-9.5

EXHIBIT P-2

OWNER'S REQUIREMENTS

Site Description

Project name and location
[illegible]
[illegible] ROAD
JACKSONVILLE FL 32216

Owner name and address
CITY OF JACKSONVILLE
214 N HOGAN ST 10TH
JACKSONVILLE, FL 32202

Description
[illegible]

Latitude & Longitude
Lat 30 22 20.67 N
Long 81 43 51.76 W

Site existing site-use will include
[illegible]

Expect Cycle Numbers
- Pre-Construction = 1
- During-Construction = 2
- Post-Construction = 3

Soils
Soil Group: Low Soil study

Site Maps
1. See Cover and Planing & Drainage Plans for [illegible]
2. See attached SWPPP for location of temp. [illegible]
3. See [illegible] details and notes for [illegible]

Site Area
1. Total area of site [illegible]
2. Total area to be disturbed = [illegible]

Name of receiving water
[illegible]

1. Anticipated start date of [illegible]
2. Anticipated end of construction [illegible]

Contacts

[illegible]

Timing of Controls / Measures

[illegible]

Certification of Compliance with Federal, State and Local Regulations

[illegible]

C.E.E. Designed Permit: _____

C.O.E. Designed Permit: _____

S.J.R.W.M.D. Permit: _____

N.P.D.E.S. Permit: _____

Pollution Prevention Plan Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____ Owner/Operator

Date: _____

CONTRACTOR'S REQUIREMENTS

General

The contractor shall at a minimum implement the best water [illegible] Pollution Control Plan. In addition the contractor shall undertake additional control measures as is appropriate with applicable permit conditions and good water quality standards. Depending on the nature of materials and methods of construction the contractor may be required to add features to the erosion system prior to placing the system into operation.

Sequence of Major Activities

The order of activities will be as follows:

1. Install stabilized access entrance [illegible]
2. Install silt fences and hay bales as required
3. Clear and grub for [illegible]
4. Construct [illegible]
5. Construct [illegible]
6. Open and [illegible]
7. Perform [illegible]
8. Install [illegible]
9. Install [illegible]
10. Install [illegible]
11. Complete [illegible]
12. Complete final [illegible]
13. Remove [illegible]
14. When all [illegible]

Timing of Controls / Measures

As indicated in the Sequence of Major Activities, the [illegible] Pollution Control Plan.

Controls

[illegible]

Controls (Cont.)

[illegible]

Inventory for Pollution Prevention Plan

The materials or substance listed below are expected to be present onsite during construction:

☐ Concrete	☐ Petroleum	☐ Paints
☐ Asphalt	☐ Petroleum Based Products	☐ Masonry Blocks
☐ Lime	☐ Curing Compounds	☐ Roofing Materials
☐ Detergents	☐ Fuels	☐ Wood Stakes
☐ [illegible]	☐ _____	☐ _____

Spill Prevention

[illegible]

Spill Prevention (Cont.)

[illegible]

Maintenance / Inspection Procedures

[illegible]

Contractor's Certification

"I certify under penalty of law that I understand and agree with the terms and conditions of the State of Florida General Permit for Stormwater Discharge to large and small construction activities and the stormwater pollution prevention plan prepared thereunder."

Name of Contractor	Signature of Contractor	Date	Title	Company	Telephone	Signature of Subcontractor	Date

REVISIONS							
NO.	DATE	DESCRIPTION	APPR.	NO.	DATE	DESCRIPTION	
1				5			
2				6			
3				7			
4				8			

SCALE: NTS

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE: 11/30/23

TEMPORARY FIRE STATION # 76

NPDES

SHEET NO. C10.0

EXHIBIT P-2

EXHIBIT 3

Tree Survey

EXHIBIT P-2

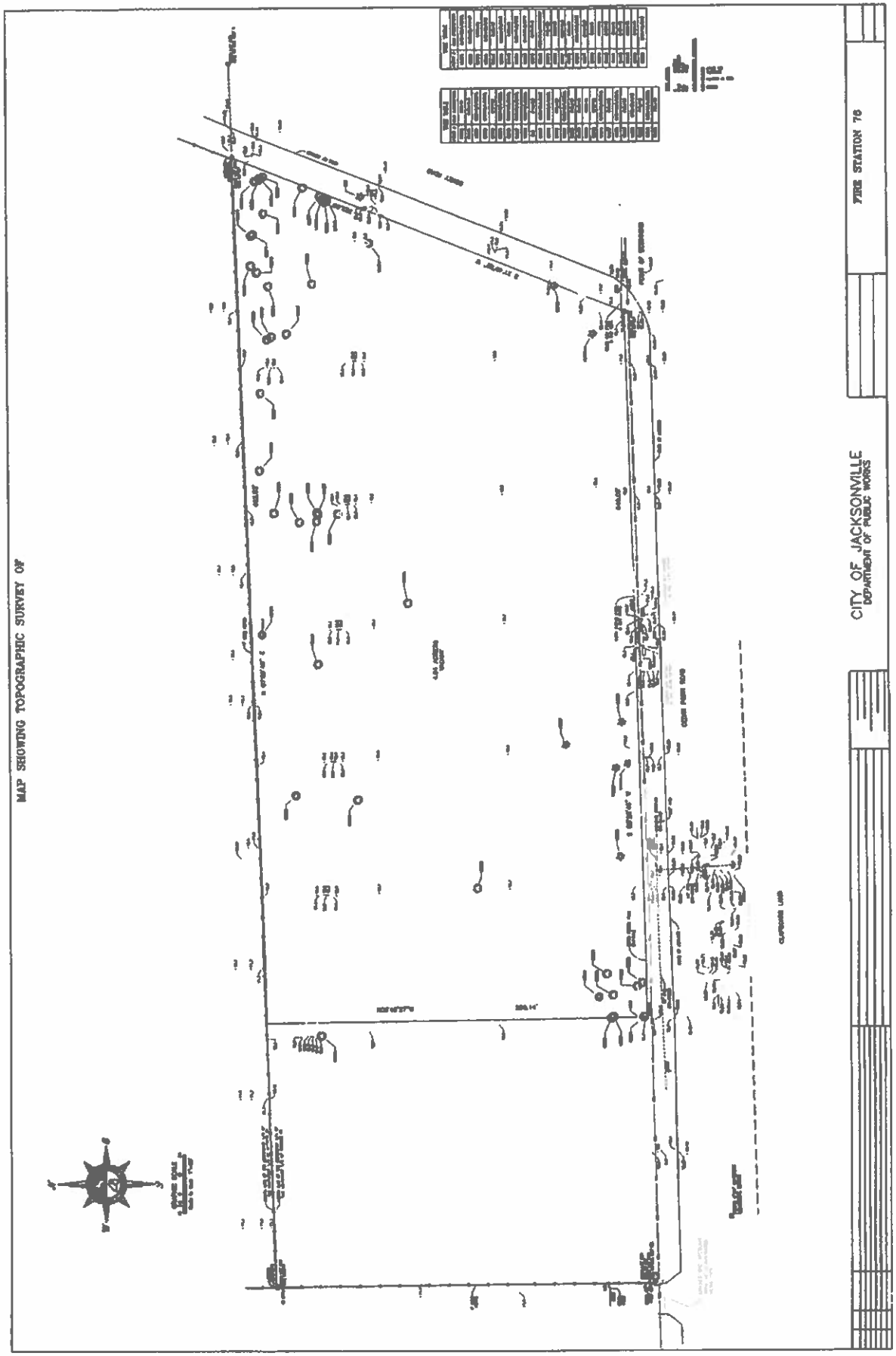

MAP SHOWING TOPOGRAPHIC SURVEY OF
CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS
FIRE STATION 76

EXHIBIT 4

Environmental Site Assessment

EXHIBIT P-2

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FIRE STATION #76
CEDAR POINT ROAD
JACKSONVILLE, DUVAL COUNTY, FLORIDA

PREPARED BY:

Aerostar SES LLC
3550 St. Johns Bluff Road South
Jacksonville, Florida 32224
904-565-2820

PREPARED FOR:

Ms. Renee Hunter
City of Jacksonville
214 North Hogan Street
Jacksonville, Florida 32202

ASL Project Number: M3010.1835.0022.0002

June 8, 2022

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APPENDIX G	Qualifications of Assessors

LIST OF ACRONYMS AND ABBREVIATIONS

--	Not Observed
amsl	Above Mean Sea Level
APLUS	Florida Department of Transportation Aerial Photo Look Up System
ASL	Aerostar SES LLC
AST	Aboveground Storage Tank
ASTM	ASTM International
AUL	Activity and Use Limitation
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
CERCLIS	Comprehensive Environmental Response Compensation and Liability Information System
CORRACTS	RCRA Corrective Action
DCPAO	Duval County Property Appraiser's Office
DRO	Diesel Range Organics
EDI	Early Detection Incentive
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
ERIS	Environmental Risk Information Services
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FDEP	Florida Department of Environmental Protection
GRO	Gasoline Range Organics
IC/EC	Institutional Controls/Engineering Controls
LUST	Leaking Underground Storage Tank
NA	Not Applicable
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
OCULUS	FDEP's Document Management System
ORO	Oil Range Organics
PAH	Polycyclic Aromatic Hydrocarbons
PALMM	Publication of Archival, Library & Museum Materials
PCB	Polychlorinated Biphenyl
PCPP	Petroleum Cleanup Participation Program
PRC	Property Record Card
RCRA	Resource Conservation and Recovery Act
RE#	Real Estate Number
REC	Recognized Environmental Condition
SEMS	Superfund Enterprise Management System
SVOC	Semi-volatile Organic Compounds
SWF/LF	Solid Waste Facilities/Landfills
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSD	Treatment, Storage and Disposal
USGS	United States Geological Survey
UST	Underground Storage Tank
VOA	Volatile Organic Aromatics
VOC	Volatile Organic Compounds

GENERAL INFORMATION

Project / Site Information:
Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida
Lat/Long: 30.459480/-81.531015
Site Access Contact: Renee Hunter

Client Information:
City of Jacksonville
214 North Hogan Street
Jacksonville, Florida 32202
Ms. Renee Hunter

Consultant Information:
Aerostar SES LLC
3550 St. Johns Bluff Road South
Jacksonville, Florida 32224
904-565-2820
Email: fredway@aerostar.net
Inspection Date: 05/12/2022

User Information:
Not Applicable, the Client is the User

Site Assessor: _____
Julio Silva
Scientist

Project Manager: _____
Frank Redway
Senior Program Manager

Environmental Professional Certification

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

_____
Paul M. Fitch, P.E.
Senior Engineer

1.0 EXECUTIVE SUMMARY

ASL has performed a Phase I ESA in conformance with the scope and limitations of ASTM Standard E 1527-13 of Fire Station #76, located on Cedar Point Road, Jacksonville, Duval County, Florida; hereafter referred to as the site. Any exceptions to, or deletions from, this practice are described in Section 9 of this report. The Executive Summary serves as a summary of this report and presents the significant findings and conclusions of this assessment. The Executive Summary should not be considered a stand-alone document and must be evaluated in conjunction with the discussions, supporting documentation, and limitations within this ESA report.

ASL conducted the site reconnaissance on May 25, 2022. The site consisted of approximately 5.3 acres of primarily wooded land. Access to the site is available via Cedar Point Road to the south and Boney Road to the east. During the site inspection, no evidence of the use, storage, disposal, or generation of hazardous substances and petroleum products was observed. *De minimis* solid waste litter was observed at several locations along the southern site boundary.

Historical resources were available from 1943 until the present. In summary, the site appears to have been undeveloped wooded and/or grassy land since at least 1943. The site appeared to be used for silviculture from at least 1969 to at least 1988.

The site was not listed in the EDR report for any of the ASTM-specified databases. A SWF/LF facility was identified in the EDR report on the western adjoining property. No concerns were noted from the facility. No other facilities of potential concern were listed in the EDR report.

1.1 Findings and Opinions

This assessment has revealed no evidence of recognized environmental conditions associated with the site.

1.2 Conclusions

This assessment has revealed no evidence of recognized environmental conditions associated with the site.

1.3 Recommendations

Based on the information reviewed as part of this investigation, no additional assessment is recommended at this time.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location

The site is located on Cedar Point Road, Jacksonville, Duval County, Florida. The Property Appraiser tax parcel identification numbers for the parcel comprising the site is 159845-0000. Photographs of the site are presented in Appendix A.

A Street Site Location map is presented as Figure 1. A Site Plan is presented as Figure 2. The figures are included in Appendix B. County property record information for the site is included in Appendix C.

2.2 Environmental Liens and Activity and Use Limitations

An environmental lien search was not provided by the User.

2.3 Physical Setting

USGS topographic quadrangle maps, database information, and regulatory files available regarding properties of environmental concern in the site vicinity were reviewed as sources for obtaining information regarding the physical setting of the site and surrounding vicinity.

Topography	
Site Elevation (amsl)	~10-20 feet
Surface Runoff Direction	Varies across the site
Regional Topography	Varies
Closest Surface Water Body/Direction	Unnamed creek to the West
Regional Hydraulic Gradient*	South-southeast
Other:	None
Source of Information	Site Inspection and the 1994 Eastport, Florida, Topographic Quadrangle Map

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

2.4 Site and Vicinity Characteristics

At the time of the investigation, the site consisted of primarily wooded land totaling approximately 5.3 acres. The immediate vicinity surrounding the site is primarily characterized by undeveloped and residential land and a church.

2.5 Description of Site Structures and Improvements

The site consisted of primarily wooded land. Access to the site is available via Cedar Point Road to the south and Boney Road to the east.

Electricity, sanitary sewer, and potable water are provided to the site vicinity by JEA. Natural gas is not currently provided to the site.

2.6 Current Uses of the Site

The site consisted of primarily wooded land.

3.0 HISTORICAL USE INFORMATION

3.1 Historical Background

Historical resources were available from 1943 until the present. In summary, the site appears to have been undeveloped wooded and/or grassy land since at least 1943. The site appeared to be used for silviculture from at least 1969 to at least 1988.

The historical sources reviewed are summarized in the following table:

Historical Source	Source Location	Dates Reviewed
Aerial Photographs	APLUS/PALMM	1943 to 2020
Topographic Maps	USGS	1994
City Directories	Jacksonville Main Library	1955-2018
Property Record Information	DCPAO	2022

3.1.1 Aerial Photographs

To evaluate the previous land uses of the property and surrounding area, a series of aerial photographs were reviewed. The aerial photographs provide a progressive overview of parcels pertaining to this assessment.

ASL personnel reviewed aerial photographs from 1943, 1952, 1960, 1969, 1975, 1982, 1988, 1993, 2000, 2005, 2010, 2016, and 2020. Copies of the aerial photographs are provided in Appendix D. Descriptions of ASL's observations are outlined in the following table:

Aerial Photograph Summary			
Source	**Photograph Year**	**Site**	**Adjoining Properties**
PALMM	1943	Primarily grassy land	North: Primarily wooded and grassy land East: Present Day Boney Road, followed by primarily wooded and grassy land with a structure located on the southwestern portion South: Cedar Point Road, followed by primarily wooded and grassy land West: Primarily wooded and grassy land; a creek is visible on the western portion
PALMM	1952	No significant changes visible	North: No significant changes visible East: No significant changes visible South: No significant changes visible West: No significant changes visible
PALMM	1960	Cleared land; no other significant changes visible	North: No significant changes visible East: An additional structure is visible; no other significant changes visible South: Primarily cleared land; no other significant changes visible West: No significant changes visible

Aerial Photograph Summary			
Source	**Photograph Year**	**Site**	**Adjoining Properties**
APLUS	1969	Primarily wooded land for silviculture (rows of trees); no other significant changes visible	North: More trees are visible East: The original structure is no longer visible, and a new present-day structure is seen attached to the most recent structure; no other significant changes visible South: A trail road bearing south is visible; no other significant changes visible West: Eastern portion has been cleared of trees; no other significant changes visible
APLUS	1975	No significant changes visible	North: A trail is visible on the western portion; no other significant changes visible East: A mobile-home type structure is visible on the western portion, no other significant changes visible South: No significant changes visible West: Trees have been cleared on the northern and western portions, a small structure is visible on the northern portion, a creek is more prominently visible; no other significant changes visible
APLUS	1982	No significant changes visible	North: No significant changes visible East: Structure on western portion no longer visible; no other significant changes visible South: No significant changes visible West: No significant changes visible
APLUS	1988	No significant changes visible	North: No significant changes visible East: No significant changes visible South: No significant changes visible West: No significant changes visible
APLUS	1993	Primarily cleared land with few trees, a trail is visible crossing horizontally; no other significant changes visible	North: No significant changes visible East: Several small structures and/or trailers are visible on the eastern portion South: A trail road diagonally crosses one of the southern parcels; no other significant changes visible West: No significant changes visible
APLUS	2000	Primarily wooded land; no other significant changes visible	North: Trail is no longer visible on the eastern portion; no other significant changes visible East: Several small structures and/or trailers no longer visible on the eastern portion; an addition has been added to the original structure; no other significant changes visible South: No significant changes visible West: The present-day residence and an associated structure are visible; no other significant changes visible

Aerial Photograph Summary			
Source	**Photograph Year**	**Site**	**Adjoining Properties**
APLUS	2005	No significant changes visible	North: No significant changes visible East: No significant changes visible South: Land cleared for development; staged materials visible; no other significant changes visible West: Structure on the northern portion has been expanded; associated structures are visible on the western portion; no other significant changes visible
APLUS	2010	No significant changes visible	North: No significant changes visible East: An addition to the present-day structure has been added on the western portion; no other significant changes visible South: Present-day residences and streets are visible; no other significant changes visible West: One of the associated structures is no longer visible on the western portion; several small structures and staged materials are visible on the eastern portion; no other significant changes visible
APLUS	2016	No significant changes visible	North: No significant changes visible East: A parking lot is visible on the western portion; no other significant changes visible South: Additional residential homes are visible on the western portion; no other significant changes visible West: Some of the staged materials are no longer visible on the eastern portion; additional present-day structures are visible
APLUS	2020	No significant changes visible	North: No significant changes visible East: Trailer-type structures are visible adjacent to the east of the present-day structure; no other significant changes visible South: Additional residential homes are visible; no other significant changes visible West: No significant changes visible

3.1.2 Topographic Map

ASL performed a review of a topographic map provided in the database report as part of this investigation. A copy of the topographic map reviewed is included in Appendix D. A summary of ASL's observations is provided in the following table.

Topographic Map Summary			
Quad	**Year(s)**	**Site**	**Adjoining Properties**
Eastport, Florida	1994	Undeveloped	North: Undeveloped East: Church South: Undeveloped West: Structure depicted

3.1.3 Sanborn Maps

Sanborn Fire Insurance Maps did not provide coverage of the site vicinity.

3.1.4 City Directories

ASL personnel attempted to perform a review of historical city directories for the City of Jacksonville at a maximum of five-year intervals back to 1940 to determine if the past occupants/operations of the site and any adjoining properties are a potential concern. City directories for the City of Jacksonville did not provide coverage of the investigation area prior to 1955. Detailed listings for the years which ASL reviewed are outlined in the following table:

City Directories Summary			
Direction	**Address(es)**	**Year(s)**	**Listing(s)**
Site	NA	1955-2019	Not Listed
North	NA	1955-2019	Not Listed
East	5201 Cedar Point Road	1955-1987	Not Listed
	Historically listed as: 5200 Cedar Point Road	1989-2018	Church
South	12210 Ridge Crossing Way	1955-2016	Not Listed
		2017-2018	Residential
	12216 Ridge Crossing Way	1955-2013	Not Listed
		2013-2018	Residential
	5341 Clapboard Creek Drive	1955-2013	Not Listed
		2014-2018	Residential
	5347 Clapboard Creek Drive	1955-2008	Not Listed
		2009-2018	Residential
	5353 Clapboard Creek Drive	1955-2008	Not Listed
		2009-2018	Residential
	5359 Clapboard Creek Drive	1955-2008	Not Listed
		2009-2018	Residential
	5365 Clapboard Creek Drive	1955-2016	Not Listed
		2017-2018	Residential
	5371 Clapboard Creek Drive	1955-2013	Not Listed
		2014-2018	Residential
West	5191 Cedar Point Road	1955-1998	Not Listed
		1999-2003	Residential
		2004-2013	Asphalt Repair Business/Residential
		2014-2018	Residential

3.1.5 Review of Environmental Reports or Investigations

No prior environmental reports or investigations were provided to ASL for review as part of this investigation.

4.0 REGULATORY DATABASE LISTINGS

4.1 Standard Environmental Record Sources

As a part of this assessment, ASL reviewed information sources to obtain existing information pertaining to hazardous substances or petroleum products on or near the site. ASL obtained an ASTM regulatory database search through EDR. A copy of the database report is included in Appendix E. ASL also reviewed other available standard environmental record sources at the FDEP OCULUS website, as needed. The following table presents the summary of the regulatory database report:

Regulatory Database Summary				
Source	**Search Distance**	**Site**	**Adjoining Property**	**Number Within ASTM's Minimum Search Distances**
Federal NPL Facility	1.0 mile	0	0	0
Federal Delisted NPL	0.5 mile	0	0	0
Federal SEMS (former CERCLIS List)	0.5 mile	0	0	0
Federal SEMS-ARCHIVE (former CERCLIS NFRAP Facilities List)	0.5 mile	0	0	0
Federal RCRA CORRACTS and TSD Facilities	1.0 mile	0	0	0
Federal RCRA Non-CORRACTS TSD Facilities	0.5 mile	0	0	0
Federal RCRA Generators Lists	Site and adjoining properties	0	0	0
Federal IC/EC Registries	Site Only	0	NA	0
Federal ERNS	Site Only	0	NA	0
State- and Tribal-equivalent NPL Facilities	1.0 mile	0	0	0
State- and Tribal-equivalent CERCLIS Facilities	0.5 mile	0	0	0
State and Tribal Landfill and/or Solid Waste Disposal site Lists	0.5 mile	0	1	0
State and Tribal LUST Lists	0.5 mile	0	0	0
State and Tribal Registered UST Lists	Site and adjoining properties	0	0	0
State and Tribal IC/EC	Site Only	0	NA	0
State and Tribal Voluntary Cleanup Facilities	0.5 mile	0	0	0
State and Tribal Brownfield Facilities	0.5 mile	0	0	0

4.2 Summary of Database Hits

Regulatory information reviewed concerning the nearest identified facility in each cardinal direction is detailed below.

Facility's Name(s):	Kevin Wrentmore Property
Facility ID:	107134
Database(s):	SWF/LF
Address(es):	5191 Cedar Point Road
Distance (ft):	Western Adjoining Property
Direction:	NA
Comments:	According to the database report, the facility is classified as an unauthorized disposal/processing complaint. According to an FDEP Inspection Report, dated August 2021, reviewed on OCULUS, the FDEP received a complaint that vegetative waste was being dumped onto the St. Johns River Water Management District property (northern adjoining property) by a tenant located on the western adjoining property. The tenant indicated that they had received permission to do so. The FDEP inspector noted that the vegetative waste was being dumped over a fence onto private property and not onto the St. Johns River Water Management District property. A review of the photos in the inspection report suggests that the "private property" may be the northwestern corner of the site. The FDEP closed the complaint since the private property owner did not issue the complaint. Based on the information available for review, this facility is not suspected of negatively impacting the site at this time.

4.3 Area Reconnaissance/Unmapped Facilities

In addition to reviewing the database report, ASL performed reconnaissance of the site vicinity to identify any sites not mapped by EDR due to inadequate or inaccurate address information and to look for unregistered facilities. No additional facilities of potential concern were observed within the vicinity of the site during the field reconnaissance performed by ASL.

4.4 Other Databases

ASL reviewed the FDEP Map Direct website to identify any sites not mapped by EDR due to inadequate or inaccurate address information. No additional facilities of potential concern were noted in the site vicinity.

5.0 LOCAL AGENCY RECORDS

ASL contacted the following agencies to obtain information concerning the site and, if applicable, other properties of concern.

Agency	Contact Name / Phone Number	Date	Findings
DCPAO	NA/Internet	5/26/2022	Obtained PRC.
FDEP	NA/OCULUS	5/26/2022	Obtained regulatory information.
FDEP	NA/Map Direct	5/26/2022	Obtained regulatory information.

6.0 SITE RECONNAISSANCE

6.1 Methodology

Visual and physical inspections conducted as part of this investigation included walking the interior of the site and the site perimeter, where accessible. Additionally, observations of access to and egress from the site were noted, as well as the interior and exterior conditions of any on-site buildings or other improvements. This visual and physical inspection of the property focused primarily on its surface features. Any limitations to the site reconnaissance are detailed in Section 9.4.

6.2 On-site Reconnaissance

6.2.1 Site Operations, Processes and Equipment

Item or Feature	Observed	REC
Emergency Generators	--	
Air Compressors	--	
Hydraulic Lifts	--	
Drycleaning	--	
Photo Processing	--	
Laboratory Hoods and/or Incinerators	--	
Solid Waste and/or Water Treatment Systems	--	
Heating and/or Cooling Systems	--	
Other:	--	

No operations, processes, or equipment were observed during the site inspection.

6.2.2 Aboveground Chemical or Waste Storage

Item or Feature	Observed	REC
ASTs	--	
Drums, Barrels and/or Containers Exceeding 5 Gallons (Individually or Aggregate)	--	
Safety Data Sheet (SDS) Review	--	
Parts Washer	--	
Other:	--	

No aboveground chemical or waste storage devices were observed during the site inspection.

6.2.3 Underground Chemical or Waste Storage, Drainage or Collection Systems

Item or Feature	Observed	REC
UST or Ancillary UST Equipment	--	
Sumps, Cisterns, Catch Basins, and/or Dry Wells	--	
Grease Traps	--	
Septic Tanks and/or Leach Fields	--	
Oil/Water Separators	--	
Pipeline Markers	--	
Interior Floor Drains	--	
Other:	--	

No underground chemical or waste storage devices were observed during the site inspection.

6.2.4 Electrical Transformers/PCBs

Item or Feature	Observed	REC
Pole- or Pad-Mounted Transformers/Capacitors	--	
Other:	--	

No electrical transformers or evidence of PCB-containing equipment were observed during the site inspection.

6.2.5 Releases or Potential Releases

Item or Feature	Observed	REC
Stressed Vegetation	--	
Stained Soil	--	
Stained Pavement or Similar Surfaces	--	
Leachate and/or Waste Seeps	--	
Trash, Debris, and/or Waste Materials	X	No
Dumping	--	
Disposal Areas	--	
Construction/Demolition Debris	--	
Fill Dirt	--	
Surface Water Discoloration, Sheen, and/or Free Floating Product	--	
Strong, Pungent, and/or Noxious Odor(s)	--	
Exterior Pipe Discharges and/or Other Effluent Discharges	--	
Other:	--	

De minimis solid waste litter was observed at several locations along the southern site boundary.

No releases or evidence of a potential release were noted during the site inspection.

6.2.6 Other Notable Site Features

Item or Feature	Observed	REC
Surface Water Bodies	--	
Quarries and/or Pits	--	
Wells (Irrigation, Potable, Industrial, Etc.)	--	
Stormwater Discharges to the Site	--	
Other:	--	

No notable site features were observed during the site inspection.

7.0 INTERVIEWS

Reasonable attempts were made to interview the site owner, available key site manager, and occupants. ASL also conducted interviews with other individuals familiar with the site, as well as local, state, tribal, or federal agency representatives, where available, regarding issues which could have an adverse effect on the environmental status of the site. The people interviewed by ASL are summarized in the following table:

Interviewee	Date Interviewed	Relationship to the Investigation	Contact Number
Ms. Joan Rawles	6/06/2022	Representative, Rawles Ranch, Inc. - Owner	904-631-1026
Ms. Renee Hunter	06/07/2022	User	904-255-8234
Ms. Susan Stephens	06/08/2022	FDEP	904-429-9965

7.1 Interview with Site Owner

ASL interviewed Ms. Joan Rawles, Rawles Ranch, Inc, regarding the past and present uses of the site. According to Ms. Rawles, the site has been in her family since the 1950s. There is not currently, nor has there been, any structures on the site. The site has been periodically used for silvaculture. There are no wells, ASTs/USTs, illegal dumping, cattle dip vats, AULs, or environmental liens on the site. She is not aware of any issues of environmental concern at the site.

7.2 Interview with Site Manager

See Section 7.1.

7.3 Interviews with Occupants

The site is currently unoccupied.

7.4 Interviews with Government Officials

ASL interviewed Ms. Susan Stephens, FDEP, regarding the site. Ms. Stephens did not have any additional information of concern for the site.

7.5 Interviews with Others

ASL provided the User, Ms. Renee Hunter, COJ, the User Questionnaire to complete. According. A copy of the User Questionnaire is included in Appendix F.

8.0 OFF-SITE RECONNAISSANCE

The current uses of the adjoining properties are as follows:

Description of Adjoining Parcels			
Direction From Site	**Address**	**Description of Current Use**	**Potential Concerns**
North	NA	Undeveloped wooded land	None
	NA	Undeveloped wooded land	None
	NA	Undeveloped wooded land	None
East	5201 Cedar Point Road	Church	None
South	12210 Ridge Crossing Way	Residential	None
	12216 Ridge Crossing Way	Residential	None
	5341 Clapboard Creek Drive	Residential	None
	5347 Clapboard Creek Drive	Residential	None
	5353 Clapboard Creek Drive	Residential	None
	5359 Clapboard Creek Drive	Residential	None
	5365 Clapboard Creek Drive	Residential	None
	5371 Clapboard Creek Drive	Residential	None
West	5191 Cedar Point Road	Residential	None

9.0 PRODUCT INFORMATION

9.1 Purpose

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to ASTM Standard E 1527-13, recognized environmental conditions in connection with the site. Per the ASTM standard, the term recognized environmental conditions is defined as, "the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to release to the environment; (2) under conditions indicative of a *release* to the *environment*; or (3) under conditions that pose a *material threat* of a future *release* to the *environment*. *De minimis conditions* are not *recognized environmental conditions*."

Although performance of this investigation in a manner that is generally consistent with the ASTM Standard E 1527-13 is of benefit, it should be recognized that the Standard of "All Appropriate Inquiry" or "good commercial or customary practice" can only be made on a case-by-case basis and is subject to judicial interpretation.

9.2 Scope of Work

This Phase I ESA was conducted in general accordance with ASTM Standard E 1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." The assessment consisted of four components: records review, site reconnaissance, interviews, and report preparation.

The scope of work does not include an evaluation of asbestos-containing building materials, lead-based paint, lead in drinking water, regulatory compliance, soil or groundwater sampling and analysis, cultural and historical resources, industrial hygiene, health and safety, ecological resources, indoor air quality, radon, site geotechnics (soils, foundations, site retention, etc.), wetlands, endangered species, or construction materials testing. ASL can provide these additional services, if requested.

9.2.1 Records Review

Historical Research: Sources such as historical aerial photographs, city directories, and fire insurance maps were reviewed, if reasonably ascertainable, to evaluate the historical usage of the site and surrounding properties. Additionally, a chain-of-title and an environmental lien search were reviewed if provided by the Users.

Physical Setting Sources: Various maps, reports, and technical publications were reviewed, and observations of site conditions were made to evaluate the hydrogeological/geological conditions associated with the site and surrounding properties. This data can provide pertinent information about the site, including soil classification, surface water flow directions, and possibly, an indication of the local directions of surficial aquifer groundwater flow.

Environmental Public Records Review: Reasonably ascertainable local, state, tribal, and federal environmental records and the regulatory database search were reviewed to help assess the likelihood of problems from migrating hazardous substance or petroleum products. Public records identifying these facilities can provide indications of the potential for recognized environmental conditions to be present at the site.

ASL obtained, reviewed, and evaluated reasonably ascertainable information from the Client, Users, site owner; local, state, tribal, or federal entities; and the environmental regulatory database search. The conclusions and recommendations of this report are based, in part, on this information. The data reviewed

during this investigation appeared to be accurate; however, the provided services do not include the verification of the accuracy or authenticity of information provided by others.

9.2.2 Site Reconnaissance

On-site Reconnaissance: Visual and physical inspections conducted as part of this investigation included walking the interior of the site and the site perimeter, where accessible. Additionally, observations of access to and egress from the site were noted, as well as the presence and condition of any on-site buildings, utilities, or other improvements. This visual and physical inspection of the property focused primarily on its surface features.

Off-site Reconnaissance: Off-site reconnaissance conducted as part of this investigation included visual and physical inspections of the adjoining properties from the site boundary and from publicly accessible areas. Additionally, a vehicular reconnaissance of the surrounding properties was conducted. During these inspections, an emphasis was placed on observing the operations or conditions exhibiting the potential for recognized environmental conditions. If any sources were identified, the inspector would document the name and location of the facility.

9.2.3 Interviews

ASL conducted interviews with available individuals familiar with the site, as well as local, state, tribal, or federal agency representatives, regarding issues which could have an adverse effect on the environmental status of the subject site.

ASL depends on the Client, tenant, and other site personnel to provide data pertinent to determining the environmental status of the site, which may or may not exist within public records. The conclusions and recommendations of this report are based, in part, on this information. The data obtained during this investigation appeared to be accurate; however, the provided services do not include the verification of the accuracy or authenticity of information provided by others.

9.2.4 Report Preparation

This report was prepared based upon the information provided by the Client and the User, the observations made during the site reconnaissance, and the information obtained from a review of readily available records. Given the inherent limitations of environmental assessment work, ASL will not guarantee that any site is free of hazardous or potentially hazardous materials or that latent or undiscovered conditions will not become evident in the future. This report was prepared within the professional conduct of the industry and in accordance with the proposal and the standard terms and conditions presented in the contract. No other warranties, representations, or certifications are made.

9.3 Vapor Intrusion

ASL evaluated the potential for vapor intrusion conditions as part of this investigation. A Phase I ESA with recognized environmental conditions associated with volatizing chemicals of concern (such as, but not limited to, VOCs, SVOC, and TPH and the associated subsets of these analyte lists like BTEX/VOAs, PAHs, and TRPH/TPH [GRO]/TPH [DRO]/TPH [ORO]) being or possibly being present in the site's subsurface has the potential for vapor intrusion to occur in the current and/or future site structure(s).

9.4 Limitations

ASL has prepared this assessment for the Client and User. ASL's assessment represents a review of certain information relating to the site that was obtained by methods described above and does not include sampling or other monitoring activities at the property. While ASL has used reasonable care to avoid reliance upon data and information that is inaccurate, ASL is not able to verify the accuracy or completeness of all data and information available during the investigation. Some of the conclusions in this report would be different if the information upon which they are based is determined to be false, inaccurate, or incomplete.

ASL makes no legal representations whatsoever concerning any matter including, but not limited to, ownership of any property or the interpretation of any law. ASL further disclaims any obligations to update the report for events taking place after the time during which the assessment was conducted.

This report is not a comprehensive site characterization and should not be construed as such. The opinions presented in this report are based upon the findings derived from a site reconnaissance, a limited review of specified regulatory records and historical sources, and comments made by the interviewees.

Phase I ESAs, by their very nature, are limited. ASL has endeavored to meet what it believes is the applicable standard of care, and, in doing so, is obliged to advise the Client and User of Phase I ESA limitations. ASL believes that providing information about limitations is essential to help the Client and User identify and thereby manage its risks. Through additional research, these risks can be mitigated, but they cannot be eliminated. ASL will, upon request, advise the Client and User of the additional research opportunities available, their impact, and their cost.

As noted above, the Phase I ESA was conducted at the referenced site, and this report was prepared for the sole use of the Client and User. This report shall not be relied upon by or transferred to any other party without the express written authorization of ASL.

Along with all of the limitations set forth in various sections of the ASTM Standard E 1527-13 protocol, the accuracy and completeness of this report is necessarily limited by the following:

- Heavy vegetative groundcover prevented a thorough inspection of the site.

9.4.1 Data Gaps

Data gaps are the lack or inability to obtain information required by ASTM Standard E 1527-13 despite good faith efforts to gather such information, such as, but not limited to, the inability to conduct a site visit, inability to conduct interviews, and the inability to establish historical uses of the site or surrounding properties. Not all data gaps are significant, and a data gap will only be discussed in this section if: 1) a data gap occurs during investigation; and 2) the data gap impairs ASL's ability to meet the objectives of ASTM Standard E 1527-13.

Historical Data Source Failures: Aerial photographs were not available for review prior to 1943. City directories for the City of Jacksonville did not provide coverage of the investigation area prior to 1955. Sanborn Fire Insurance Maps were not available for the site. An environmental lien search was not provided by the User(s). The historical records readily available for review did not allow the property's history to be traced back to 1940 or to the property's first developed use (whichever is earlier), which constitutes historical data failure per ASTM Standard E 1527-13 § 8.3.2.3.

No apparent significant data gaps were noted during the investigation of the site.

9.5 Special Terms and Conditions

This report, and the information contained herein, shall be the sole property of ASL until payment of any unpaid balance is made in full. The Client and User agree that until payment is made in full, the Client and User shall not have a proprietary interest in this report, or the information contained herein. ASL shall have the absolute right to request the return of any and all copies of this report submitted to other parties, public or private, on behalf of the Client and User in the event of nonpayment of outstanding fees by the Client pursuant to ASL's proposal.

9.6 User Reliance

This report is intended for the sole use of Client and User. Its contents may not be relied upon by other parties without the explicit written consent of ASL. This is not a statement of suitability of the property for any use or purpose.

10.0 USER PROVIDED INFORMATION

10.1 Title Records

A chain-of-title report for the site was not provided to ASL by the User or Client.

10.2 Environmental Liens or Activity and Use Limitations

An environmental lien search was not provided by the User or Client.

10.3 Specialized Knowledge

No information was provided to ASL by the User with respect to any specialized knowledge or experience that may pertain to recognized environmental conditions in connection with the site.

10.4 Commonly Known or Reasonably Ascertainable Information

The User was not aware of any commonly known or reasonably ascertainable information about the site that would indicate the presence of recognized environmental conditions associated with the property.

10.5 Valuation Reduction for Environmental Issues

The User indicated the property value reflected the fair market value of the site.

10.6 Owner, Property Manager, and Occupant Information

According to the PRC, the property is owned by Rawls Ranch Inc. The site is currently unoccupied.

10.7 Reason for Performing Phase I ESA

The User indicated that the Phase I ESA is being performed as due diligence prior to a potential real estate transaction.

10.8 Degree of Obviousness

The User indicated that there were not any obvious indicators that contamination is present or likely present at the site.

10.9 Other

No other information was provided by the User.

11.0 NON-ASTM SCOPE ITEMS

Under the terms of the agreement between the Client and ASL, no additional services were provided in association with the Phase I ESA. There may be environmental issues or conditions at a site that the Client may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). No implication is intended as to the relative importance of inquiry into such non-scope considerations, and this list of non-scope considerations is not intended to be all inclusive: asbestos-containing materials; radon; lead-based paint; lead in drinking water; wetlands; regulatory compliance; cultural and historical resources; industrial hygiene; health and safety; ecological resources; endangered species; indoor air quality; and high voltage power lines.

APPENDICES

APPENDIX A

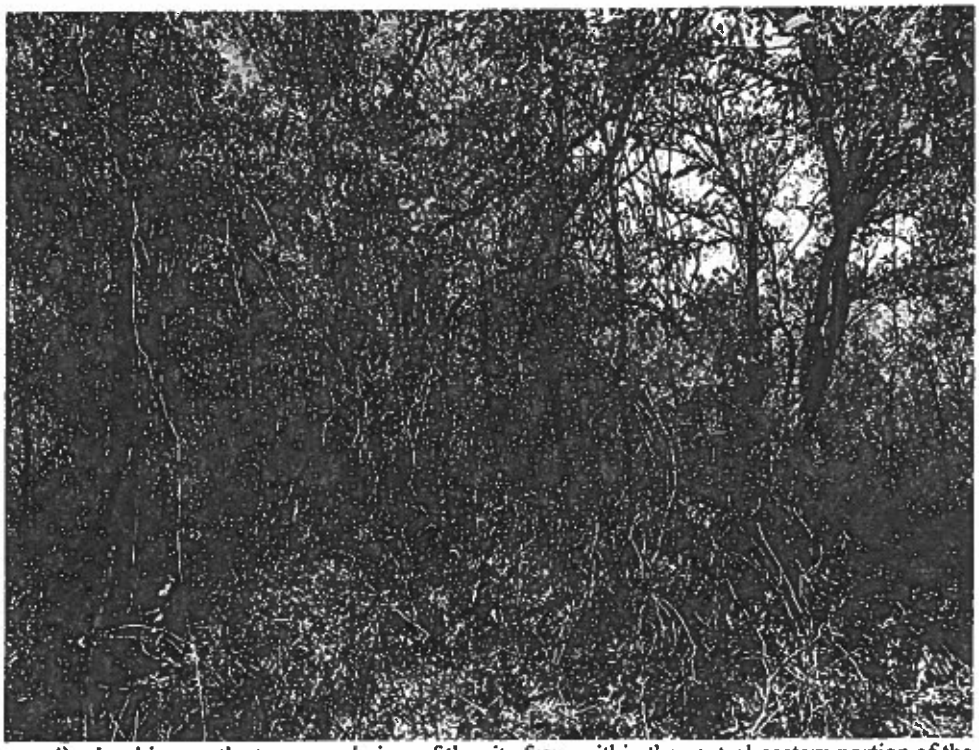
SITE PHOTOGRAPHS

1) Looking northwest across Cedar Point Road at a general view of the site.

2) Looking northeast across Cedar Point Road at a general view of the site.

Photos Taken 5/25/2022

3) Looking southwest across Boney Road at a general view of the site.



4) Looking north at a general view of the site from within the central-eastern portion of the site.

Photos Taken 5/25/2022

5) Looking south at a general view of the site from within the central-eastern portion of the site.

6) Looking north at a general view of the site from within the central-western portion of the site.

Photos Taken 5/25/2022

7) Looking south at a general view of the site from within the central-western portion of the site.

8) Looking southwest at a general view of the site from the northern-central boundary.

Photos Taken 5/25/2022

9) Looking southeast at a general view of the site from the northeastern boundary.

10) Looking northeast across Cedar Point Road at the eastern adjoining property, Oak Grove Baptist Church.

Photos Taken 5/25/2022

11) Looking southwest across Cedar Point Road at the southern adjoining residential properties.

12) Looking north across Cedar Point Road at the western adjoining residential property.

Photos Taken 5/25/2022

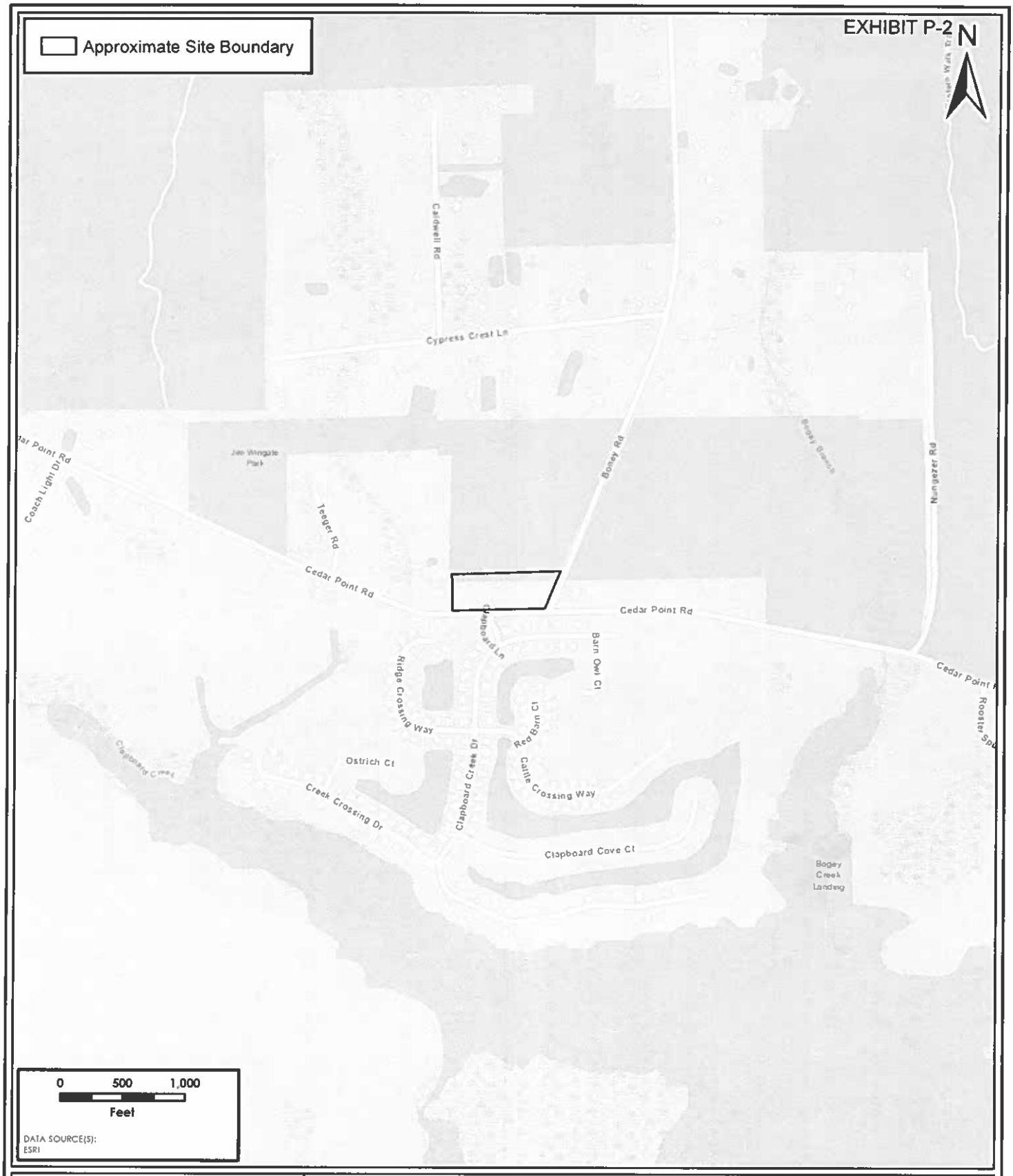
13) Looking northwest at a general view of the northern adjoining wooded land.

14) Looking at *de minimis* trash found on the southern boundary along Cedar Point Road.

Photos Taken 5/25/2022

APPENDIX B

SITE MAPS



Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.ses-grp.com

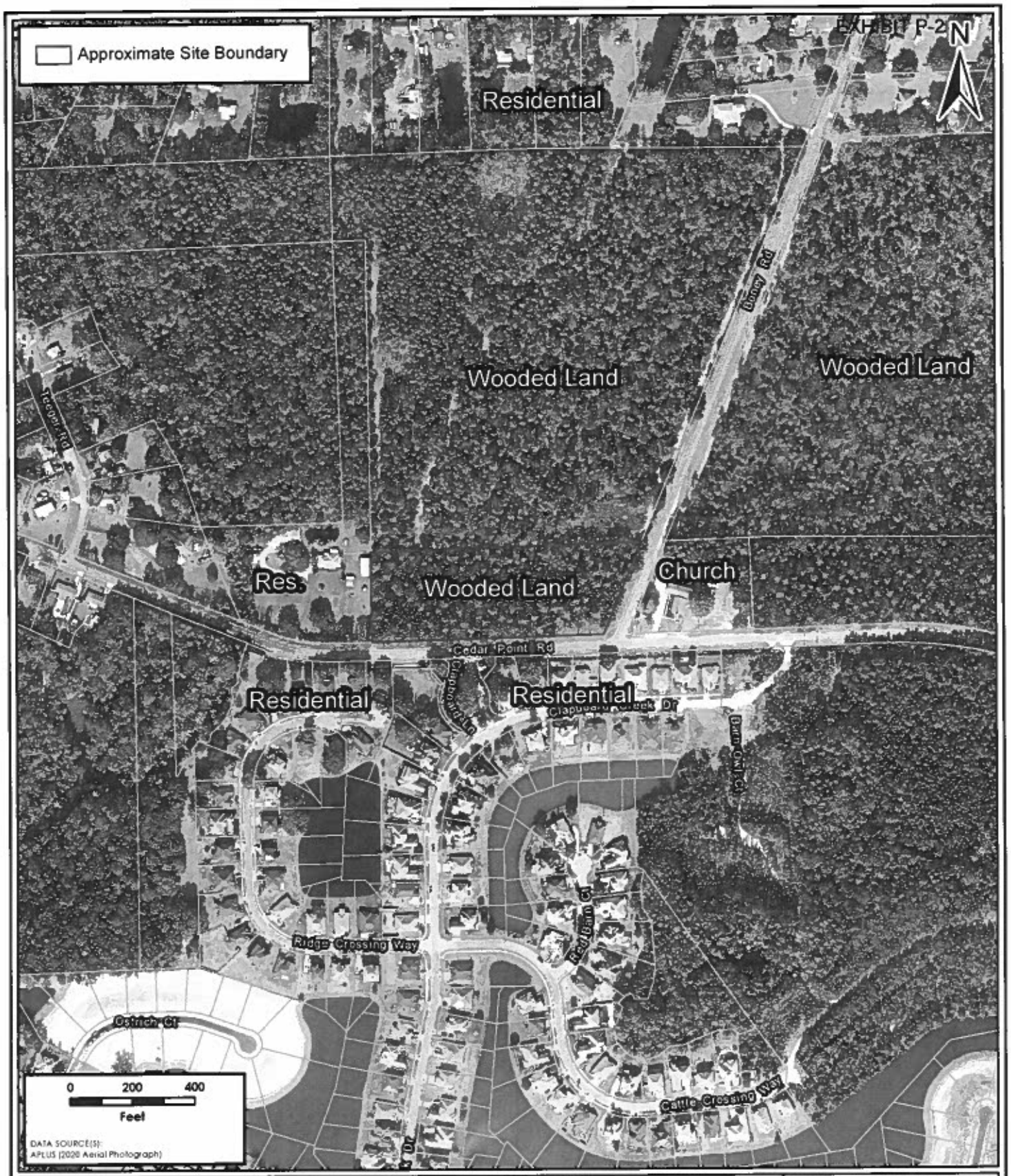
Street Site Location

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	May 2022

FIGURE NUMBER **1**

J:\Proj_21-25\2021\M3010.1835.0022.02\GIS\Fig 1 Street Site Location.mxd



Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.ses-grp.com

Site Plan

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

FIGURE NUMBER **2**

J:\Proj_21-25\2021\M3010.1835.0022.02\GIS\Fig 2 Site Plan.mxd

APPENDIX C

PROPERTY RECORD INFORMATION

EXHIBIT P-2

File # 8231

RAWLS RANCH INC
13876 PLEASANT VALLEY DR
JACKSONVILLE, FL 32225

Primary Site Address
0 CEDAR POINT RD
Jacksonville FL 32226

Official Record Book/Page
05607-02229

0 CEDAR POINT RD

Property Detail

RE #	159845-0000
Tax District	GS
Property Use	5600 Timber SI 70-79
# of Buildings	0
Legal Desc.	For full legal description see Land & Legal section below
Subdivision	00000 SECTION LAND
Total Area	234695

The sale of this property may result in higher property taxes. For more information go to Save Our Homes and our Property Tax Estimator . 'In Progress' property values, exemptions and other supporting information on this page are part of the working tax roll and are subject to change. Certified values listed in the Value Summary are those certified in October, but may include any official changes made after certification Learn how the Property Appraiser's Office values property.

Value Summary

Value Description	2021 Certified	2022 In Progress
Value Method	CAMA	CAMA
Total Building Value	$0.00	$0.00
Extra Feature Value	$0.00	$0.00
Land Value (Market)	$134,750.00	$134,750.00
Land Value (Agric.)	$1,940.00	$1,940.00
Just (Market) Value	$134,750.00	$134,750.00
Assessed Value	$1,940.00	$1,940.00
Cap Diff/Portability Amt	$132,810.00 / $0.00	$0.00 / $0.00
Exemptions	$0.00	See below
Taxable Value	$1,940.00	See below

Taxable Values and Exemptions – In Progress

If there are no exemptions applicable to a taxing authority, the Taxable Value is the same as the Assessed Value listed above in the Value Summary box.

County/Municipal Taxable Value
No applicable exemptions

SJRWMD/FIND Taxable Value
No applicable exemptions

`School Taxable Value
No applicable exemptions

Sales History

Book/Page	Sale Date	Sale Price	Deed Instrument Type Code	Qualified/Unqualified	Vacant/Improved
05607-02229	1/17/1983	$710,000.00	MS - Miscellaneous	Unqualified	Improved
07022-00578	11/8/1990	$100.00	QC - Quit Claim	Unqualified	Improved

Extra Features

No data found for this section

Land & Legal

Land

LN	Code	Use Description	Zoning Assessment	Front	Depth	Category	Land Units	Land Type	Land Value
1	5610	TNP/Natural	RR	0.00	0.00	Agriculture	5.39	Acreage	$1,940.00
1	0103	RES RURAL 2 OR LESS UNITS PER AC	RR	0.00	0.00	Market	5.39	Acreage	$134,750.00

Legal

LN	Legal Description
1	31-1N-28E 5.39
2	SE1/4 OF SE1/4 LYING N
3	OF CEDAR POINT RD, W OF
4	BONEY RD

Buildings

No data found for this section

2021 Notice of Proposed Property Taxes Notice (TRIM Notice)

Taxing District	Assessed Value	Exemptions	Taxable Value	Last Year	Proposed	Rolled-back
Gen Govt Ex B & B	$1,940.00	$0.00	$1,940.00	$17.51	$22.20	$21.24
Public Schools: By State Law	$1,940.00	$0.00	$1,940.00	$5.60	$6.91	$6.79
By Local Board	$1,940.00	$0.00	$1,940.00	$3.44	$4.36	$4.17
FL Inland Navigation Dist.	$1,940.00	$0.00	$1,940.00	$0.05	$0.06	$0.06
Water Mgmt Dist. SJRWMD	$1,940.00	$0.00	$1,940.00	$0.35	$0.44	$0.42
			Totals	$26.95	$33.97	$32.68

Description	Just Value	Assessed Value	Exemptions	Taxable Value
Last Year	$109,250.00	$1,530.00	$0.00	$1,530.00
Current Year	$134,750.00	$1,940.00	$0.00	$1,940.00

2021 TRIM Property Record Card (PRC)

This PRC reflects property details and values at the time of the original mailing of the Notices of Proposed Property Taxes (TRIM Notices) in August.

Property Record Card (PRC)

The PRC accessed below reflects property details and values at the time of Tax Roll Certification in October of the year listed.

2021

2020

2019

EXHIBIT P-2

2018

2017

2016

2015

2014

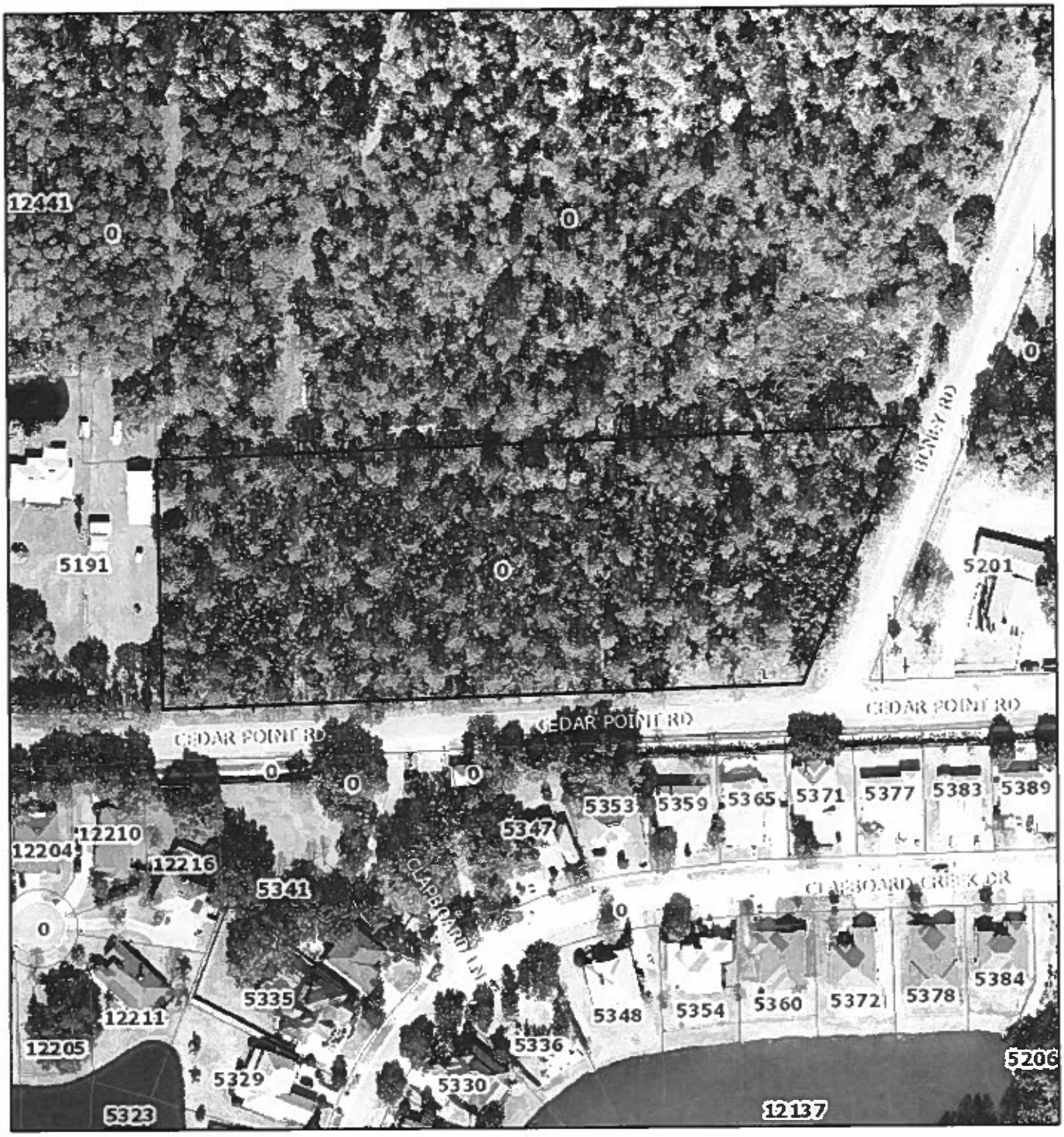
• To obtain a historic Property Record Card (PRC) from the Property Appraiser's Office, submit your request here:

More Information

ontact Us | Parcel Tax Record | GIS Map | Map this property on Google Maps | City Fees Record

Duval Map

EXHIBIT P-2



June 1, 2022

1:2,257

0 0.01 0.03 0.06 mi

0 0.03 0.05 0.1 km

31-1N-28E 5.39
SE1/4 OF SE1/4 LYING N
OF CEDAR POINT RD, W OF
BONEY RD

RAWLS RANCH INC
13876 PLEASANT VALLEY DR
JACKSONVILLE, FL 32225

2021 R-159845-0000

EXHIBIT P-2

PRINTED 09/29/2021
BY: pao

Map Id: 8231 610102.20 1.05 1.00 1.00 RES CENSUS TRACT 101.02

5600 Timber SI 70-79

" VALUE SUBJECT TO CHANGE "

Duval County Property Appraisers Office — Tax Dist GS

VALUE SUMMARY	
PRIMARY VALUATION METHOD	CAMA
BUILDING VALUE	0
EXTRA FEATURE VALUE	0
TOTAL MARKET LAND VALUE	134,750
MARKET VALUE OF AG LAND	134,750
TOTAL LAND VALUE AG + COMMON	1,940
MARKET VALUE	1,940
ASSESSED VALUE	1,940
CAP BASE YEAR	0
TAXABLE VALUE	1,940
EXEMPTIONS	None
TOTAL EXEMPTIONS VALUE	0
SENIOR EXEMPTION VALUE	0
SR/HISTORIC TAXABLE VALUE	N/A

PERMIT NO.	TP	ST.	DESCRIPTION	EST VALUE	ISSUE DATE

BUILDING DIMENSIONS

BUILDING NOTES

BUILDING CHARACTERISTICS			
CATEGORY	TYPE	%	PTS

CATEGORY	UNITS	ADJ

BASE RATE ADJ	ADJ
TOTAL ADJUSTED POINTS	0

DEPRECIATION ADJ	ADJ

TYPE	STYLE	CLS	QUA	HX %	NHX %	LOC	% COMP
				0.00	0.00	0.00	0

REPL. COST NEW	AYB	EYB	DT	NORM	% GOOD
0		0		0.00	0.00%

SAR	AREA	B	H	P.of B.	EFF. AREA	DPR VALUE
	0			0	0	$0

ACREAGE 5.39 PRICE/SF 0.00

BUILDING: 0 AKA:

SITE ADDRESS: CEDAR POINT RD, JACKSONVILLE 32226

LN	VOLUME / YEAR	PAGE / CLERK	DATE OF SALE	IN	QU	VI	RE	SALES PRICE	NOTE AMOUNT	MAC	MAC AMOUNT	GRANTOR	GRANTEE	SALES NOTE
1	07022	00578	11/08/1990	QC	U	I	11	100	0	N	0			A/C-RMB-12-19-97
2	05607	02229	01/17/1983	MS	U	I	11	710000	0	N	0			

LN	OB/XF CODE	DESCRIPTION	BLD	HX %	NHX %	LENGTH	WIDTH	UNITS	GRADE	FACTOR	UNIT PRICE	ADJ UNIT PRICE	ORIG COND	ACTUAL YEAR	EFF YEAR	YEAR ON ROLL	% COND	OB/XF MKT VALUE

APPRAISAL DATES	DATE	APPRAISED BY
BUILDING		
LAND LINES	04/13/2021	RDC
VALUE REVIEW	06/16/2021	FTJ
TRIENNIAL		
INCOME		

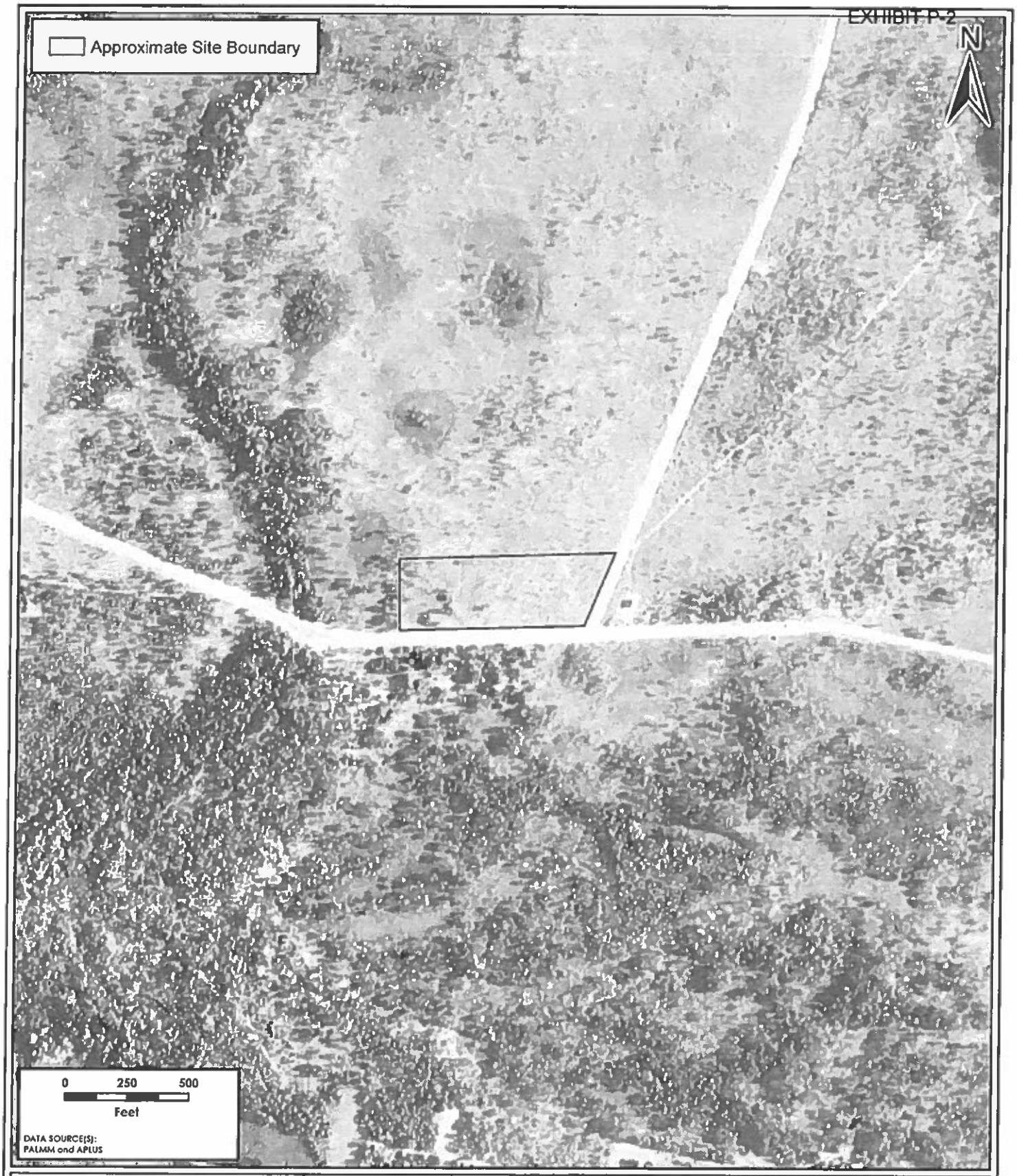
LT	LN	USE CODE	LAND USE DESCRIPTION	HX %	NHX %	RD	LOC ZONE	FRONT	DEPTH	SIZE FACTOR	UNITS	UNIT TYPE	DT	DPTH FACT	COND FACTOR	UNIT PRICE	ADJ UNIT PRICE	LAND VALUE
A	1	5610	TNP/Natural	0.00	100.00		RR	0.00	0.00	100.00	5.39	A	0	1.00	1.00	360.00	360.00	1,940
M	1	0103	RES RURAL 2 OR LESS UNITS	0.00	100.00		RR	0.00	0.00	100.00	5.39	A	0	1.00	1.00	25,000.00	25,000.00	134,750

LN	DATE	BLD	USER ID	CD	PARCEL NOTES

APPENDIX D

HISTORICAL REFERENCES DOCUMENTATION

EXHIBIT P-2



Aerostar SES LLC

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(904) 565-2820 • www.ses-grp.com

1943 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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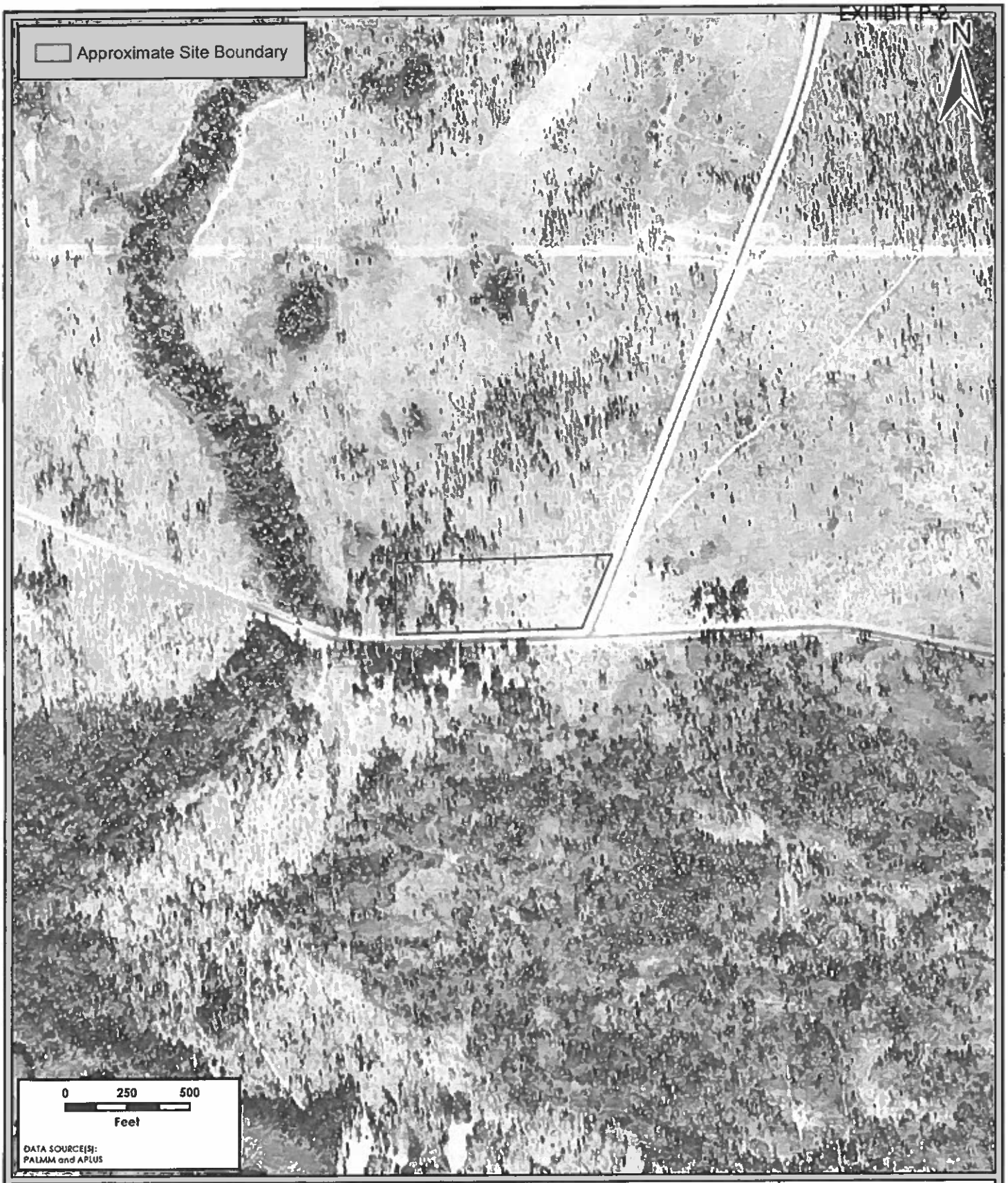

Aerostar SES LLC

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(904) 565-2820 • www.ses-grp.com

1952 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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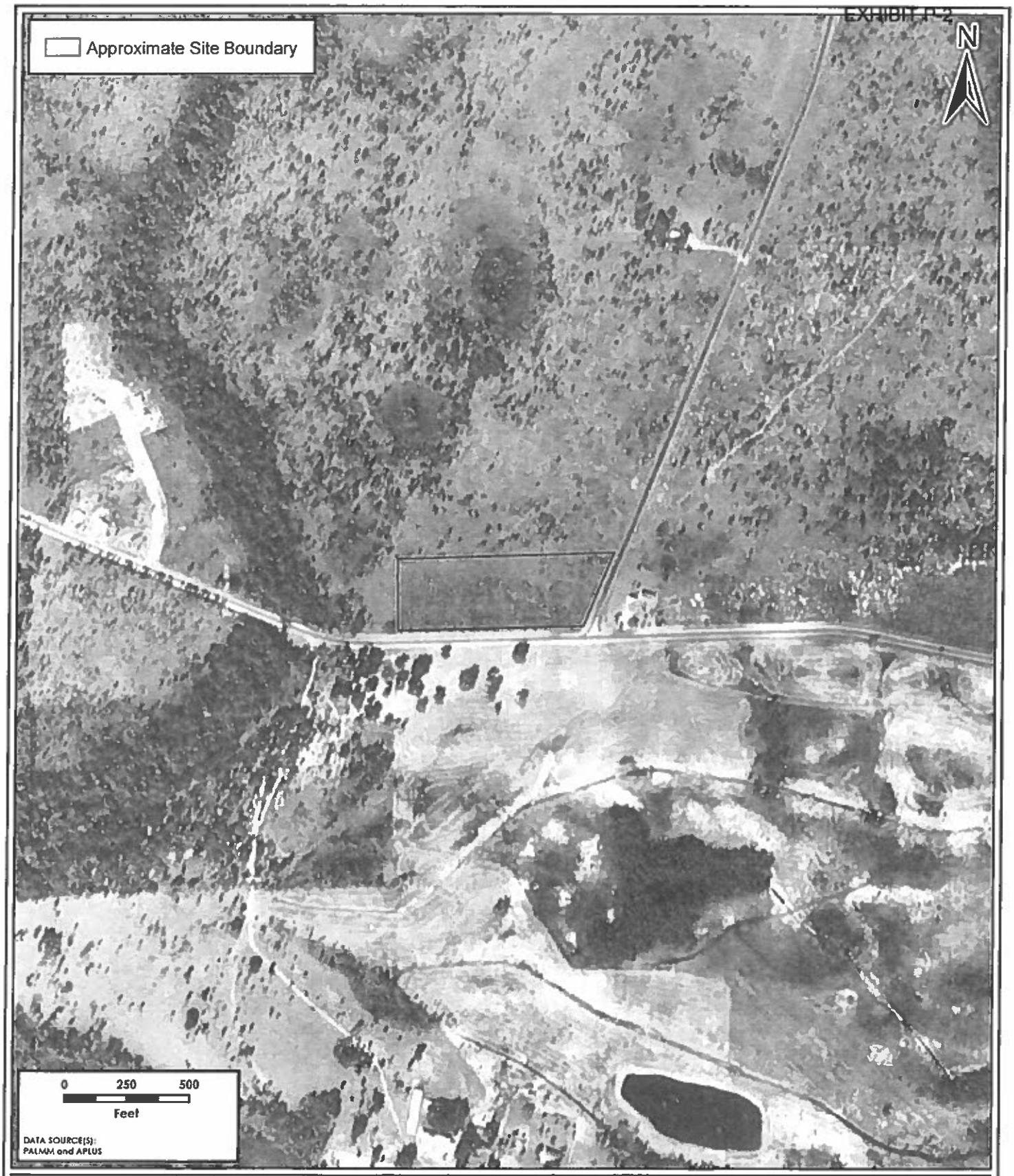

Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
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1960 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

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Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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EXHIBIT B-3

Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
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1969 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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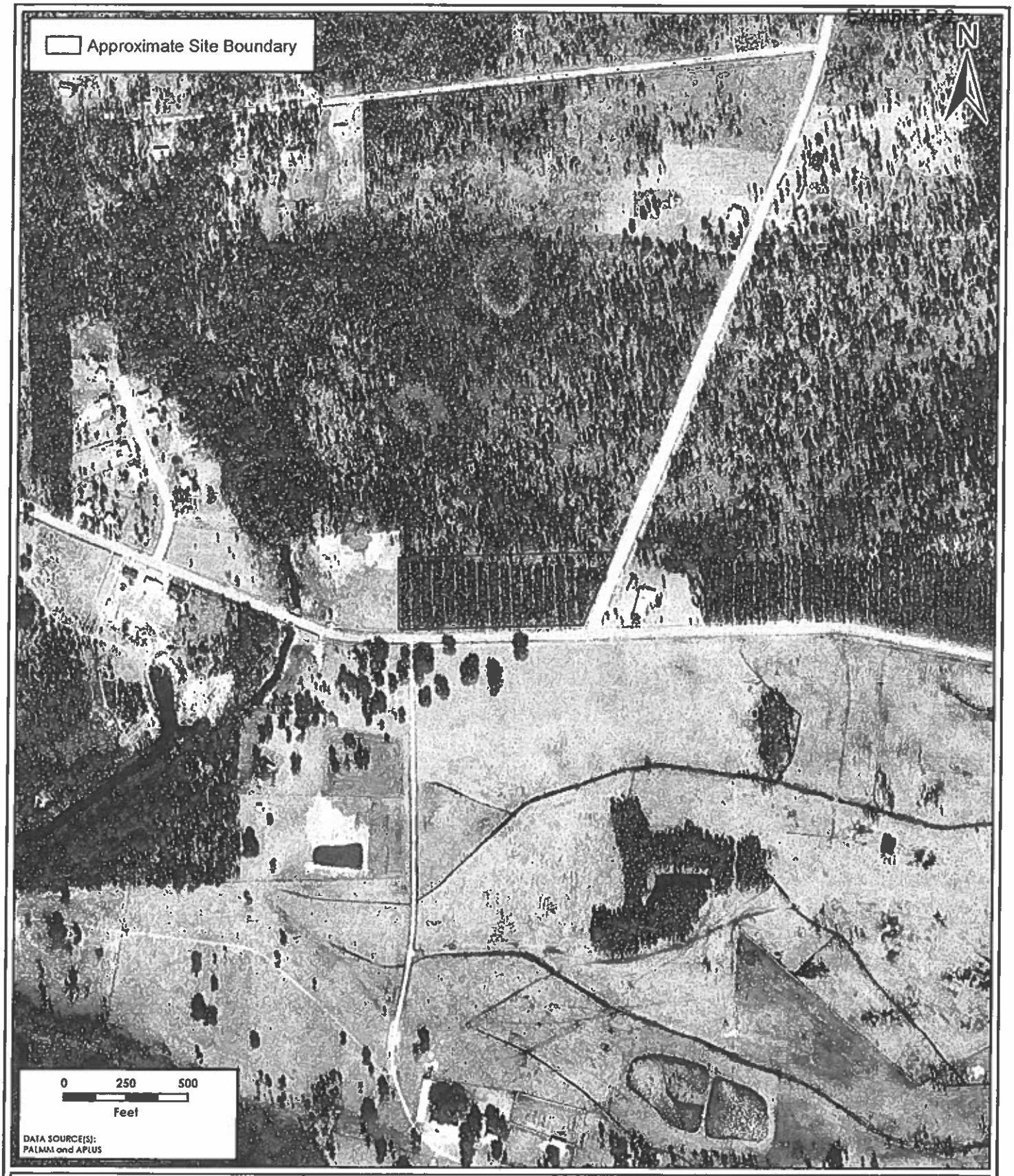

Aerostar SES LLC

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1975 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
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1982 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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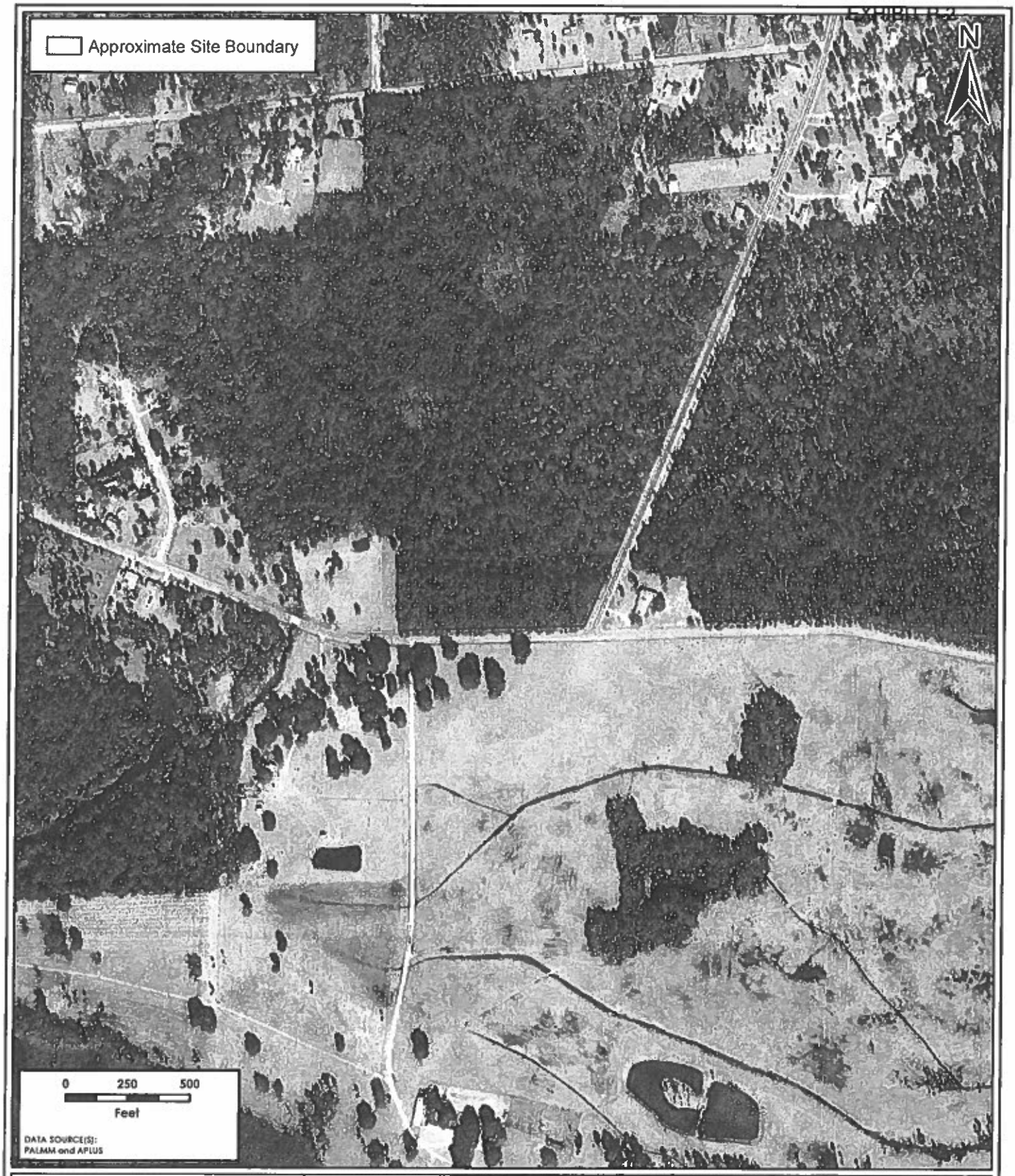

Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.ses-grp.com

1988 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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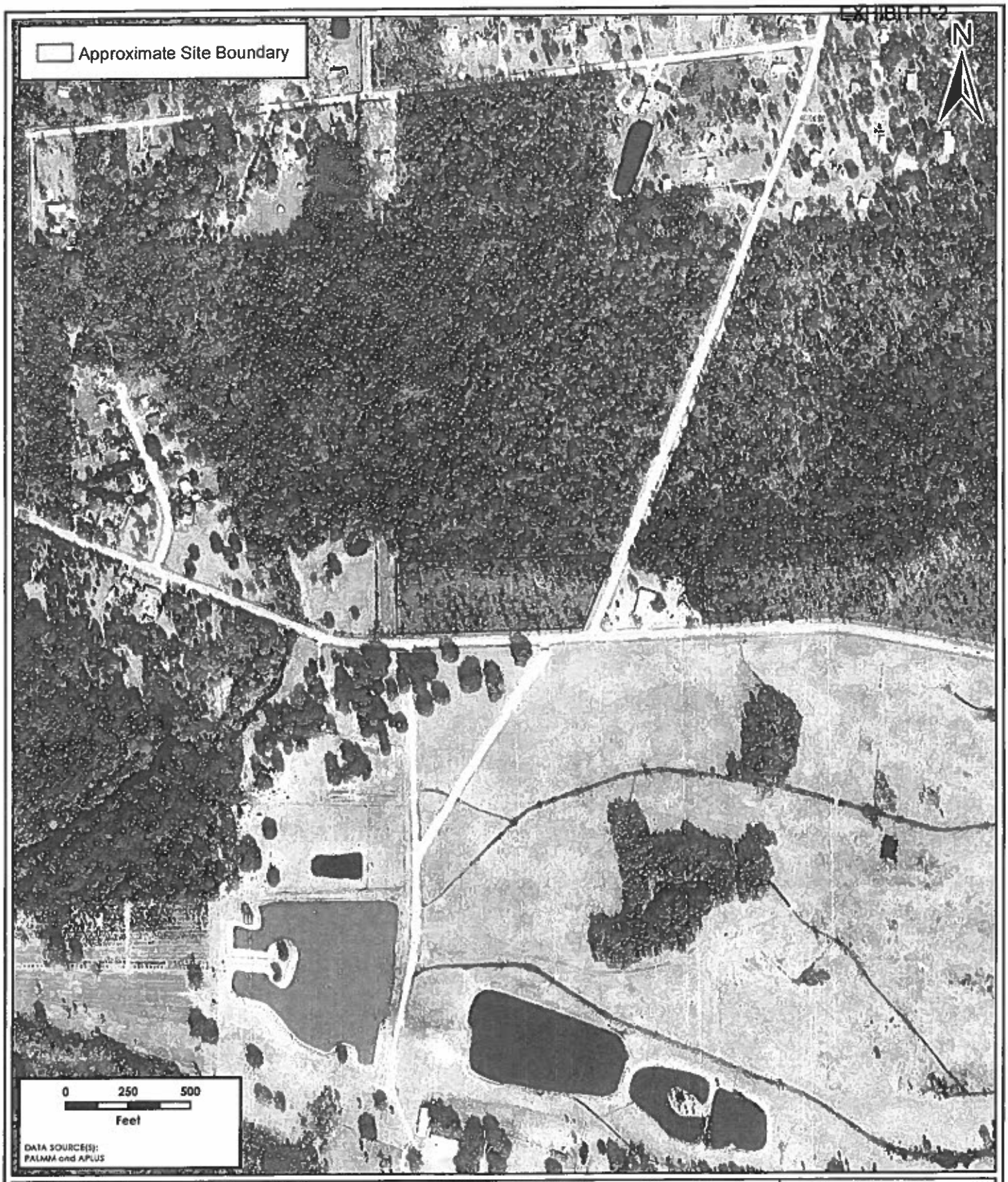

Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.ses-grp.com

1993 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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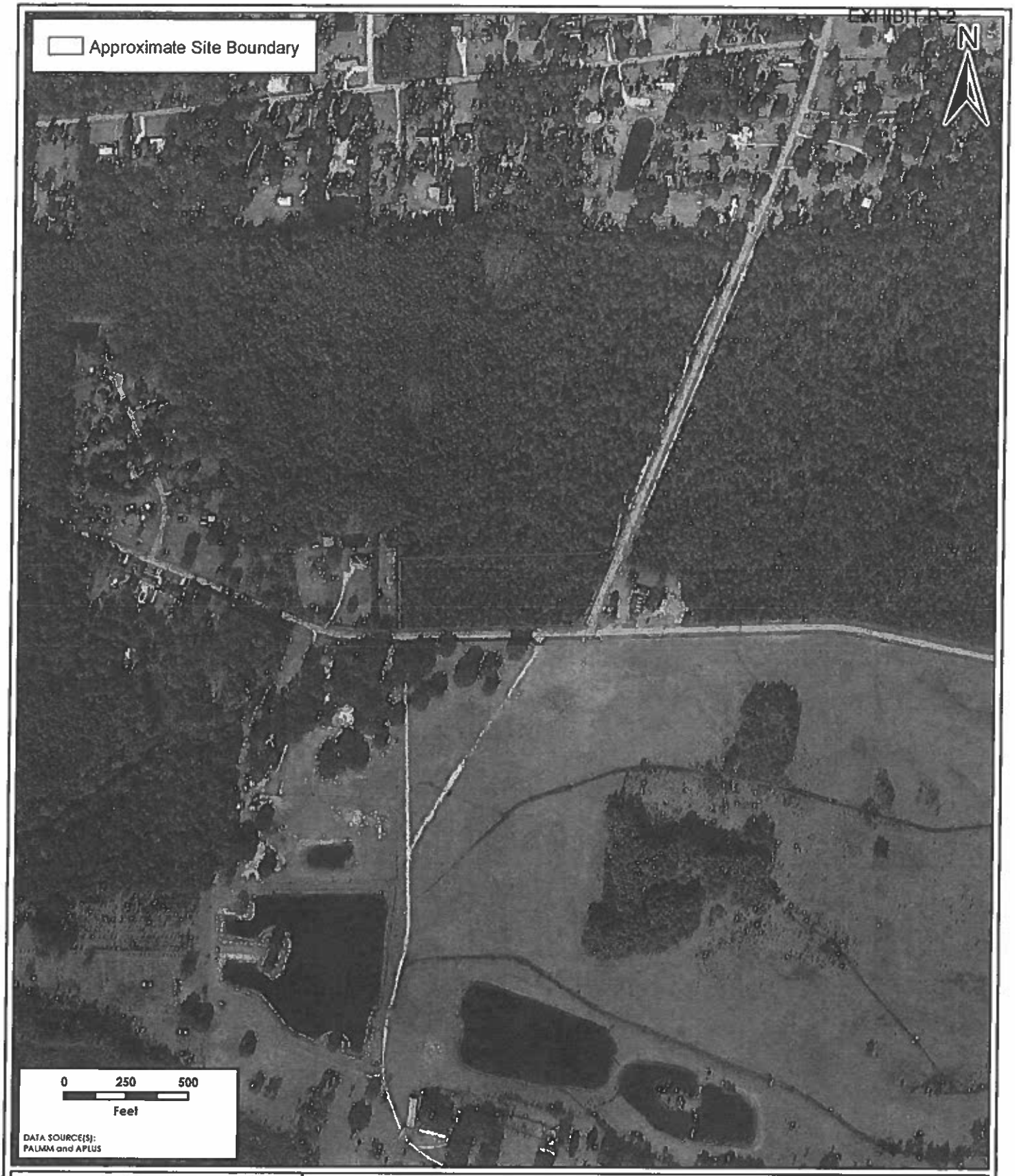

Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.ses-grp.com

2000 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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Aerostar SES LLC

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2005 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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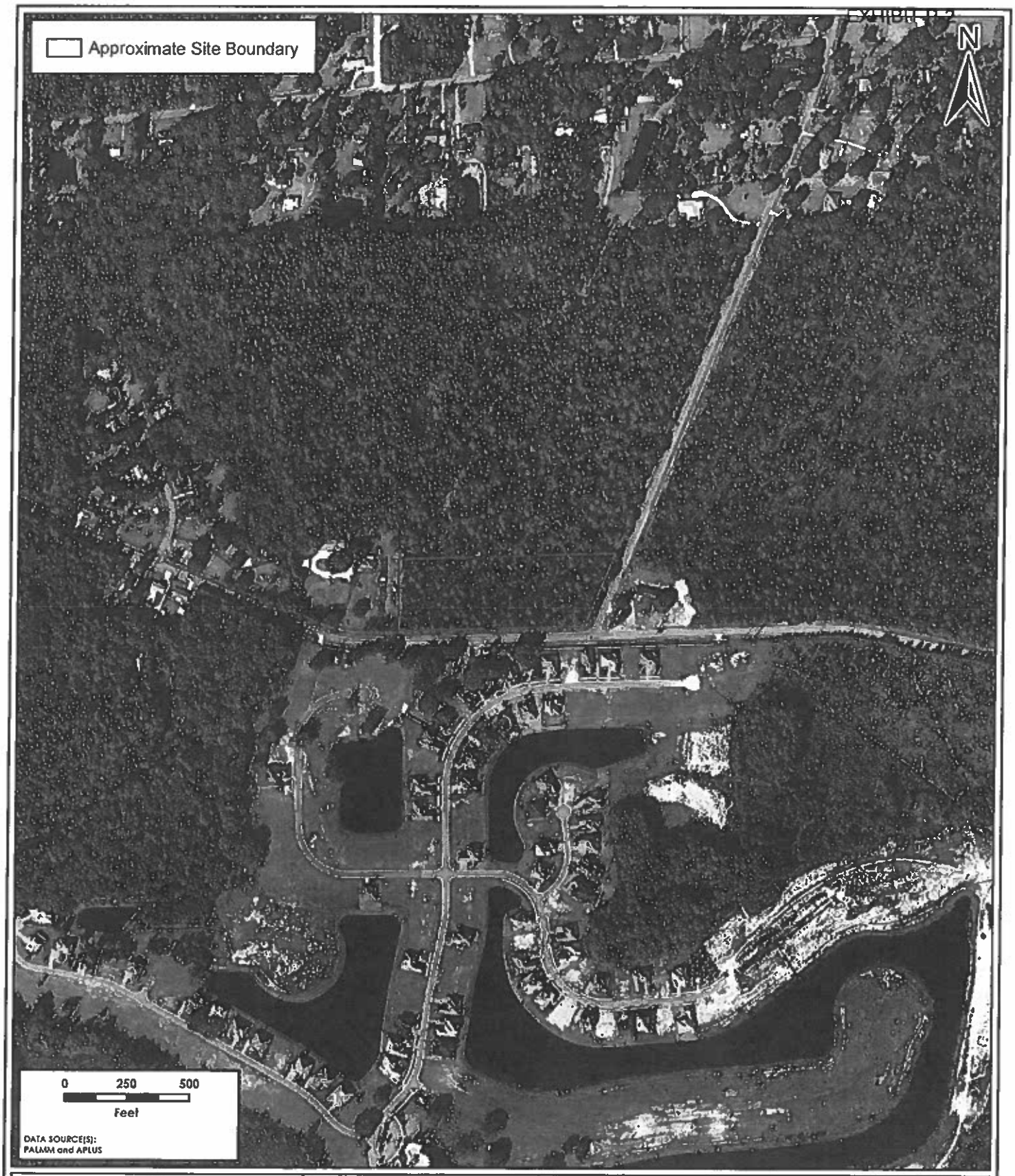

Aerostar SES LLC

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(904) 565-2820 • www.ses-grp.com

2010 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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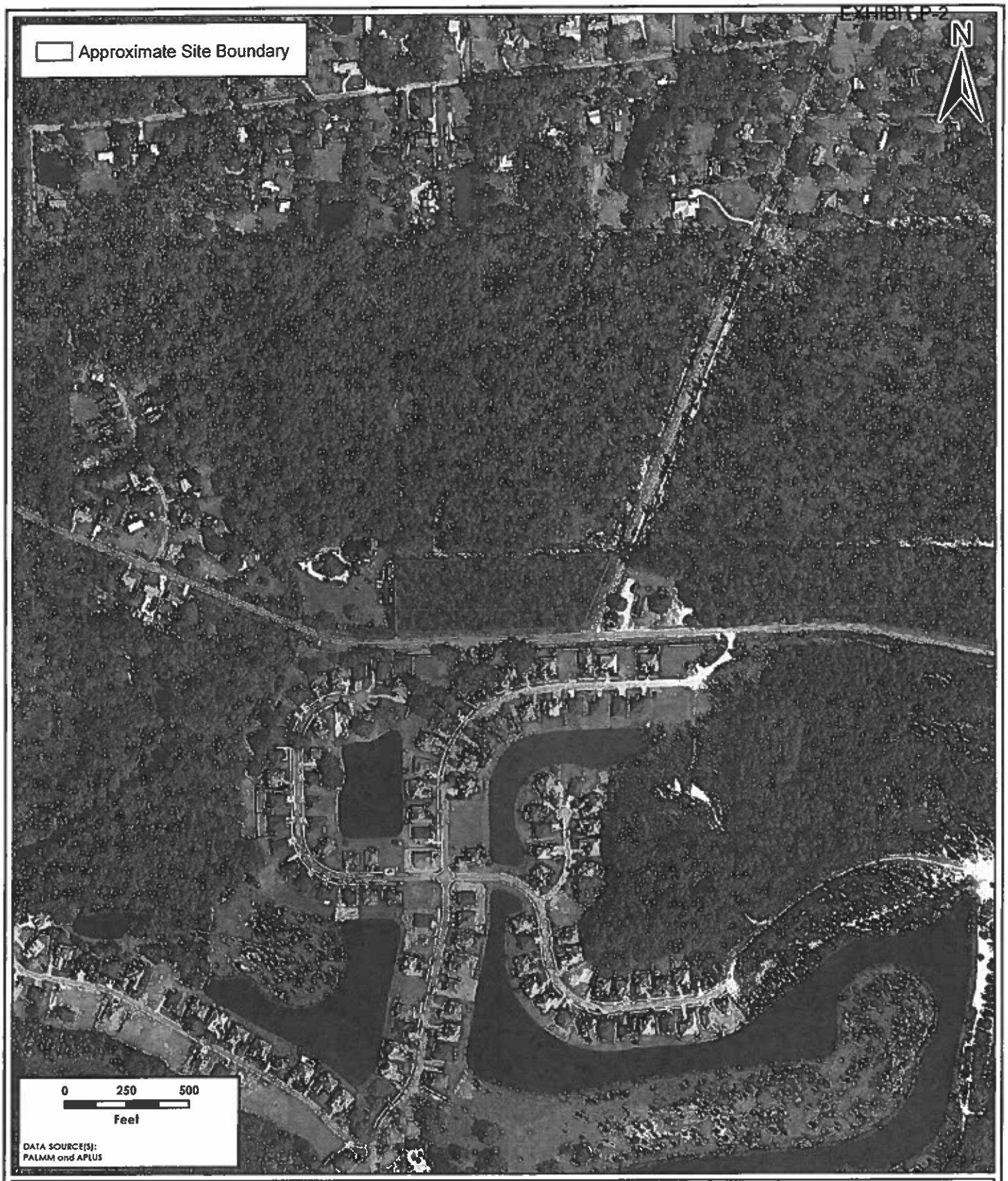

Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.ses-grp.com

2016 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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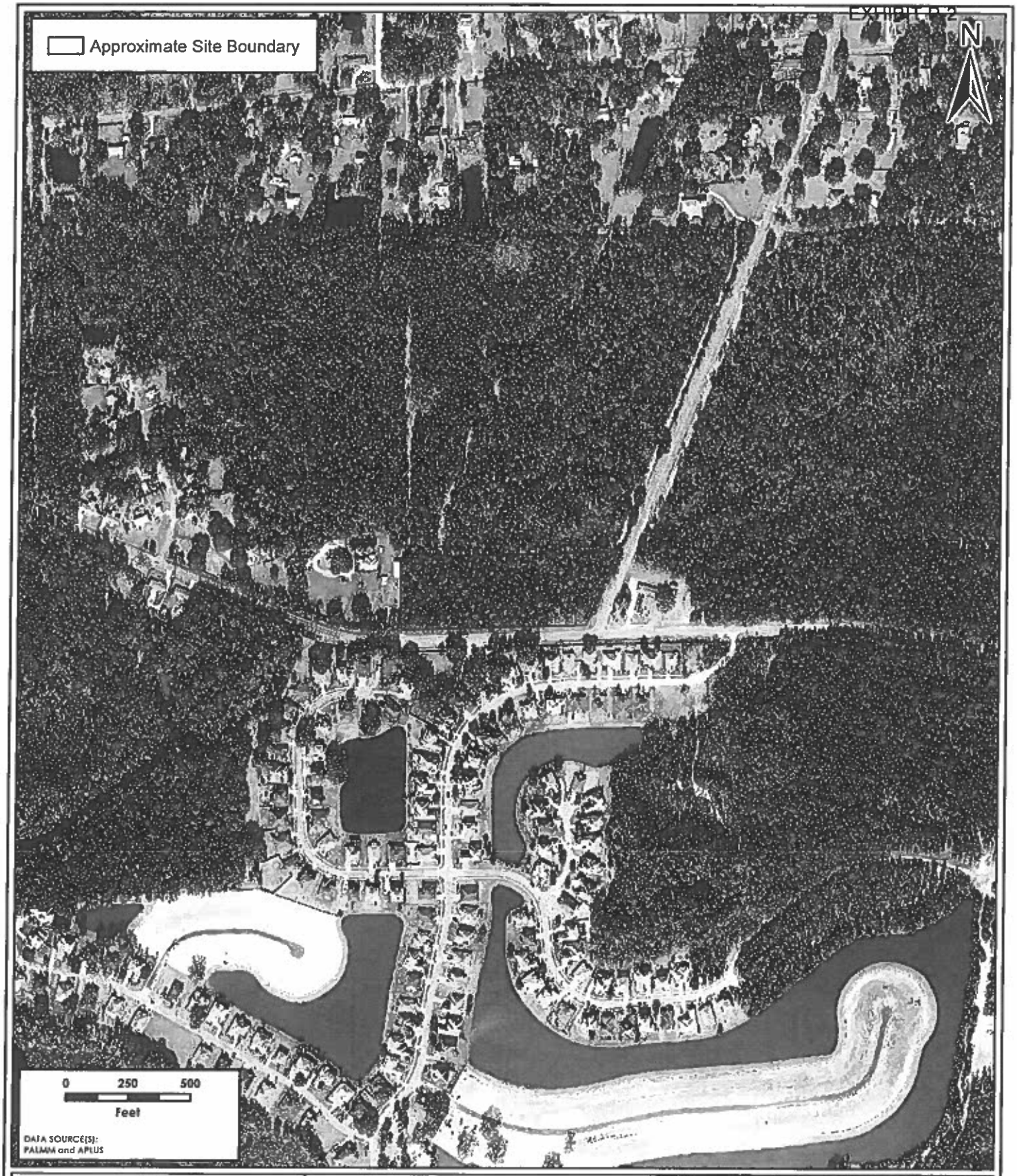
EXHIBIT D-2



Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
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2020 Aerial Photograph

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	Jun 2022

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EXHIBIT P-2

M3010.1835.0022.02
CEDAR POINT RD
JACKSONVILLE, FL 32226

Inquiry Number: 6996648.5
May 27, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/27/22

Site Name:	Client Name:
M3010.1835.0022.02	Aerostar SES LLC
CEDAR POINT RD	3550 St. Johns Bluff Road South
JACKSONVILLE, FL 32226	Jacksonville, FL 32703
EDR Inquiry # 6996648.5	Contact: Julio Silva

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Aerostar SES LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 5A02-4847-8D51

PO # NA

Project M3010.18355.0022.02

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 5A02-4847-8D51

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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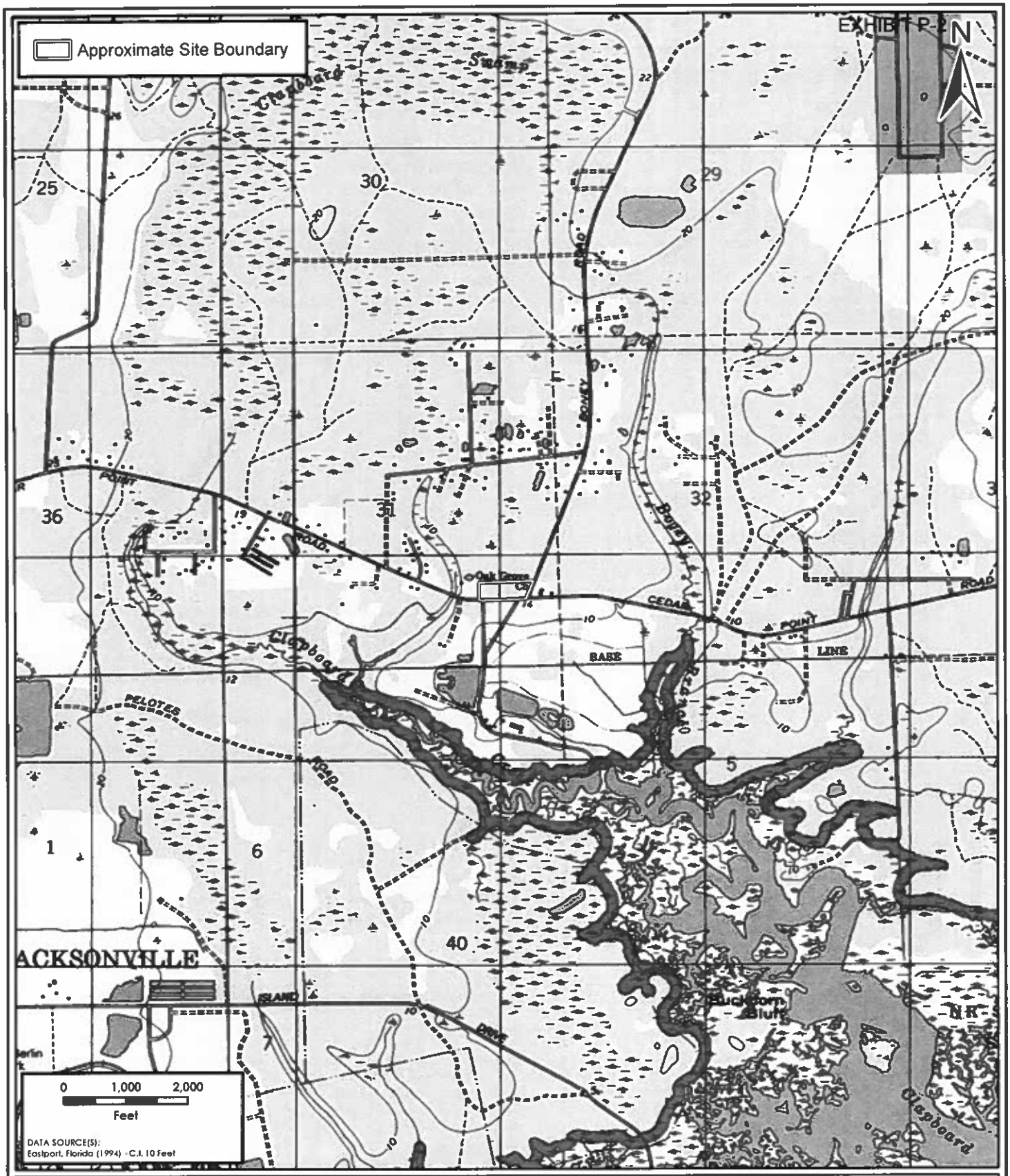

Aerostar SES LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224
(904) 565-2820 • www.ses-grp.com

Topographic Site Location

Fire Station #76
Cedar Point Road
Jacksonville, Duval County, Florida

Project No.:	M3010.1835.0022.02
Drawn By:	JS
Reviewed By:	FR
Approved By:	FR
Date:	May 2022

J:\Proj 21-25\2021\M3010.1835.0022.02\GIS\Topo.mxd

APPENDIX E

REGULATORY DATABASE REPORT AND REGULATORY RECORDS

EXHIBIT P-2

M3010.1835.0022.02
CEDAR POINT RD
JACKSONVILLE, FL 32226

Inquiry Number: 6996648.2s
May 26, 2022

FirstSearch Area/Linear Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Search Summary Report

TARGET SITE **CEDAR POINT RD**
JACKSONVILLE, FL 32226

Category	Sel	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
NPL	Y	0	0	0	0	0	0	0
NPL Delisted	Y	0	0	0	0	0	0	0
CERCLIS	Y	0	0	0	0	-	0	0
NFRAP	Y	0	0	0	0	-	0	0
RCRA COR ACT	Y	0	0	0	0	0	0	0
RCRA TSD	Y	0	0	0	0	-	0	0
RCRA GEN	Y	0	0	0	-	-	0	0
Federal IC / EC	Y	0	0	0	0	-	0	0
ERNS	Y	0	-	-	-	-	0	0
State/Tribal CERCLIS	Y	0	0	0	0	0	0	0
State/Tribal SWL	Y	0	1	0	0	-	0	1
State/Tribal LTANKS	Y	0	0	0	0	-	0	0
State/Tribal Tanks	Y	0	0	0	-	-	0	0
State/Tribal IC / EC	Y	0	0	0	0	-	0	0
State/Tribal VCP	Y	0	0	0	0	-	0	0
ST/Tribal Brownfields	Y	0	0	0	0	-	0	0
US Brownfields	Y	0	0	0	0	-	0	0
Other Haz Sites	Y	0	0	0	0	-	0	0
Spills	Y	0	-	-	-	-	0	0
Other	Y	0	0	0	-	-	0	0
	- Totals --	0	1	0	0	0	0	1

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Search Summary Report

TARGET SITE: **CEDAR POINT RD**
JACKSONVILLE, FL 32226

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
NPL	NPL	01/25/2022	1.000	0	0	0	0	0	0	0
	Proposed NPL	01/25/2022	1.000	0	0	0	0	0	0	0
NPL Delisted	Delisted NPL	01/25/2022	1.000	0	0	0	0	0	0	0
CERCLIS	SEMS	01/25/2022	0.500	0	0	0	0	-	0	0
NFRAP	SEMS-ARCHIVE	01/25/2022	0.500	0	0	0	0	-	0	0
RCRA COR ACT	CORRACTS	02/28/2022	1.000	0	0	0	0	0	0	0
RCRA TSD	RCRA-TSDF	02/28/2022	0.500	0	0	0	0	-	0	0
RCRA GEN	RCRA-LQG	02/28/2022	0.250	0	0	0	-	-	0	0
	RCRA-SQG	02/28/2022	0.250	0	0	0	-	-	0	0
	RCRA-VSQG	02/28/2022	0.250	0	0	0	-	-	0	0
Federal IC / EC	US ENG CONTROLS	02/21/2022	0.500	0	0	0	0	-	0	0
	US INST CONTROLS	02/21/2022	0.500	0	0	0	0	-	0	0
ERNS	ERNS	12/31/2021	TP	0	-	-	-	-	0	0
State/Tribal CERCLIS	SHWS	02/16/2022	1.000	0	0	0	0	0	0	0
State/Tribal SWL	SWF/LF	01/10/2022	0.500	0	1	0	0	-	0	1
State/Tribal LTANKS	LAST	01/24/2022	0.500	0	0	0	0	-	0	0
	LUST	01/24/2022	0.500	0	0	0	0	-	0	0
	INDIAN LUST	04/28/2021	0.500	0	0	0	0	-	0	0
State/Tribal Tanks	UST	02/04/2022	0.250	0	0	0	-	-	0	0
	AST	02/04/2022	0.250	0	0	0	-	-	0	0
	INDIAN UST	10/14/2021	0.250	0	0	0	-	-	0	0
State/Tribal IC / EC	ENG CONTROLS	12/08/2021	0.500	0	0	0	0	-	0	0
	INST CONTROL	12/08/2021	0.500	0	0	0	0	-	0	0
State/Tribal VCP	VCP	04/27/2021	0.500	0	0	0	0	-	0	0
ST/Tribal Brownfields	BROWNFIELDS	10/27/2021	0.500	0	0	0	0	-	0	0

Search Summary Report

TARGET SITE: **CEDAR POINT RD**
JACKSONVILLE, FL 32226

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
US Brownfields	US BROWNFIELDS	02/23/2022	0.500	0	0	0	0	-	0	0
Other Haz Sites	PRIORITYCLEANERS	01/31/2022	0.500	0	0	0	0	-	0	0
	FI Sites	12/31/1989	1.000	0	0	0	0	0	0	0
	US CDL	02/22/2022	TP	0	-	-	-	-	0	0
Spills	HMIRS	12/15/2021	TP	0	-	-	-	-	0	0
Other	RCRA NonGen / NLR	02/28/2022	0.250	0	0	0	-	-	0	0
	TSCA	12/31/2016	TP	0	-	-	-	-	0	0
	TRIS	12/31/2018	TP	0	-	-	-	-	0	0
	SSTS	01/19/2022	TP	0	-	-	-	-	0	0
	RAATS	04/17/1995	TP	0	-	-	-	-	0	0
	PRP	01/25/2022	TP	0	-	-	-	-	0	0
	PADS	01/20/2022	TP	0	-	-	-	-	0	0
	ICIS	11/18/2016	TP	0	-	-	-	-	0	0
	FTTS	04/09/2009	TP	0	-	-	-	-	0	0
	MLTS	07/29/2021	TP	0	-	-	-	-	0	0
	RADINFO	07/01/2019	TP	0	-	-	-	-	0	0
	INDIAN RESERV	12/31/2014	1.000	0	0	0	0	0	0	0
	LEAD SMELTERS	01/25/2022	TP	0	-	-	-	-	0	0
	DRYCLEANERS	01/18/2022	0.250	0	0	0	-	-	0	0
	FL Cattle Dip. Vats	09/27/2019	0.250	0	0	0	-	-	0	0
	- Totals --			0	1	0	0	0	0	1

EXHIBIT P-2

Site Information Report

Request Date: MAY 26, 2022
Request Name: JULIO SILVA

Search Type: COORD
Job Number: NA

Target Site: CEDAR POINT RD
JACKSONVILLE, FL 32226

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	81.531015	81.5310150 - 81^ 31' 51.65"	Easting:	449021.0
Latitude:	30.459480	30.4594800 - 30^ 27' 34.12"	Northing:	3369639.2
Elevation:	10 ft. above sea level		Zone:	Zone 17

Demographics

Sites: 1 **Non-Geocoded:** 0 **Population:** N/A

RADON

Federal EPA Radon Zone for DUVAL County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for DUVAL COUNTY, FL

Number of sites tested: 102

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.480 pCi/L	100%	0%	0%
Basement	0.380 pCi/L	100%	0%	0%

State Database: FL Radon

Radon Test Results

Zip	Total Buildings	% of sites>4pCi/L	Data Source

Site Information Report

RADON

32226	13	0.0	Certified Residential Database
32226	7	0.0	Mandatory Non-Residential Database

EXHIBIT P-2

Target Site Summary Report

Target Property: CEDAR POINT RD
JACKSONVILLE, FL 32226

JOB: NA

TOTAL: 1 GEOCODED: 1 NON GEOCODED: 0

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.

No sites found for target address

EXHIBIT P-2

Sites Summary Report

Target Property: CEDAR POINT RD
JACKSONVILLE, FL 32226

JOB: NA

TOTAL: 1 GEOCODED: 1 NON GEOCODED: 0

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
1	SWF/LF --107134 --NOT YET DETERMINED (D)	KEVIN WRENTMORE PROPERTY	5191 CEDAR POINT ROAD JACKSONVILLE, FL 32226	0.04 West	- 1	1

Site Detail Report

Target Property: CEDAR POINT RD
JACKSONVILLE, FL 32226

JOB: NA

SWF/LF

EDR ID: S127984689 **DIST/DIR:** 0.045 West **ELEVATION:** 9 **MAP ID:** 1

NAME: KEVIN WRENTMORE PROPERTY
ADDRESS: 5191 CEDAR POINT ROAD
JACKSONVILLE, FL 32226
DUVAL
SOURCE: FL Department of Environmental Protection

Rev: 01/10/2022
ID/Status: 107134
ID/Status: NOT YET DETERMINED (D)

SWF/LF:
Name: KEVIN WRENTMORE PROPERTY
Address: 5191 CEDAR POINT ROAD
City,State,Zip: JACKSONVILLE, FL 32226
Facility ID: 107134
District: NED
Lat/Long: 30:27:34.8014 / 81:31:55.8556
Class Type: 595
Classification: UNAUTHORIZED DISPOSAL/PROCESSING-COMPLAINT
Class Status: NOT YET DETERMINED (D)
Section: Not reported
Township: Not reported
Range: Not reported
Responsible Authority Name: Not reported
Responsible Authority Address: Not reported
Responsible Authority City,St,Zip: Not reported
Responsible Authority Phone: Not reported
EMail Address1: Not reported
EMail Address2: Not reported
Site Supervisor Name: Not reported
Site Supervisor Addr: Not reported
Site Supervisor City/State/Zip: Not reported
Site Supervisor Telephone: Not reported
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City/State/Zip: Not reported
Land Owner Telephone: Not reported

Click here for Florida Oculus:

Database Descriptions

NPL: NPL National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices. NPL - National Priority List Proposed NPL - Proposed National Priority List Sites.

NPL Delisted: Delisted NPL The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Delisted NPL - National Priority List Deletions

CERCLIS: SEMS SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL. SEMS - Superfund Enterprise Management System

NFRAP: SEMS-ARCHIVE SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site. SEMS-ARCHIVE - Superfund Enterprise Management System Archive

RCRA COR ACT: CORRACTS CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. CORRACTS - Corrective Action Report

RCRA TSD: RCRA-TSDF RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste. RCRA-TSDF - RCRA - Treatment, Storage and Disposal

RCRA GEN: RCRA-LQG RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. RCRA-LQG - RCRA - Large Quantity Generators RCRA-SQG - RCRA - Small Quantity Generators. RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators).

Federal IC / EC: US ENG CONTROLS A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. US ENG CONTROLS - Engineering Controls Sites List US INST CONTROLS - Institutional Controls Sites List.

Database Descriptions

ERNS: ERNS Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances. ERNS - Emergency Response Notification System

State/Tribal CERCLIS: SHWS State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state. SHWS - Florida's State-Funded Action Sites

State/Tribal SWL: SWF/LF Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites. SWF/LF - Solid Waste Facility Database DADE CO. LF - Miami Dade County Landfill Solid Waste Sites listing..

State/Tribal LTANKS: LUST LAST - Leaking Aboveground Storage Tank Listing. The file for Leaking Aboveground Storage Tanks. Please remember STCM does not track the source of the discharge so the agency provides a list of facilities with an aboveground tank and an open discharge split by facilities with aboveground tanks only and facilities with aboveground and underground tanks. LAST - Leaking Aboveground Storage Tank Listing INDIAN LUST R7 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R5 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R6 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R1 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R9 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R8 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R4 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R10 - Leaking Underground Storage Tanks on Indian Land.

State/Tribal Tanks: UST Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program. UST - Storage Tank Facility Information AST - Storage Tank Facility Information. BROWARD CO AST - Aboveground Storage Tanks. INDIAN UST R10 - Underground Storage Tanks on Indian Land. INDIAN UST R7 - Underground Storage Tanks on Indian Land. INDIAN UST R4 - Underground Storage Tanks on Indian Land. INDIAN UST R1 - Underground Storage Tanks on Indian Land. INDIAN UST R5 - Underground Storage Tanks on Indian Land. INDIAN UST R9 - Underground Storage Tanks on Indian Land. INDIAN UST R8 - Underground Storage Tanks on Indian Land. INDIAN UST R6 - Underground Storage Tanks on Indian Land.

State/Tribal IC / EC: ENG CONTROLS The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems. ENG CONTROLS - Institutional Controls Registry Inst Control - Institutional Controls Registry.

State/Tribal VCP: VCP Listing of closed and active voluntary cleanup sites. VCP - Voluntary Cleanup Sites

ST/Tribal Brownfields: BROWNFIELDS AREAS BSRA - Brownfield Site Rehabilitation Agreements Listing. BROWNFIELDS - Brownfields Sites Database. The BSRA provides DEP and the public assurance that site rehabilitation will be conducted in accordance with Florida Statutes and DEP's Contaminated Site Cleanup Criteria rule. In addition, the BSRA provides limited liability protection for the voluntary responsible party. The BSRA contains various commitments by the voluntary responsible party, including milestones for completion of site rehabilitation tasks and submittal of technical reports and plans. It also contains a commitment by DEP to review technical reports according to an agreed upon schedule. Only those brownfield sites with an executed BSRA are eligible to apply for a voluntary cleanup tax credit incentive pursuant to Section 376.30781, Florida Statutes. BROWNFIELDS - Brownfield Site Rehabilitation Agreements Listing

Database Descriptions

US Brownfields: US BROWNFIELDS Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs. US BROWNFIELDS - A Listing of Brownfields Sites

Other SWF: LF PALM BEACH LF HILLSBOROUGH - Hillsborough County LF. Hillsborough county landfill sites. LF HILLSBOROUGH - Hillsborough County LF

Other Haz Sites: PRIORITYCLEANERS The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility. PRIORITYCLEANERS - Priority Ranking List FL SITES - Sites List. US CDL - Clandestine Drug Labs. PFAS - PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid. AQUEOUS FOAM - Former Fire Training Facility Assessments Listing.

Other Tanks: Broward Co. UST All known regulated storage tanks within Broward County, including those tanks that have been closed Broward Co. UST - Underground Storage Tanks Miami-Dade Co. Tanks - Storage Tanks.

Spills: HMIRS Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT. HMIRS - Hazardous Materials Information Reporting System Miami-Dade Co. SPILL - Fuel Spills Cases.

Other: RCRA NonGen / NLR RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. RCRA NonGen / NLR - RCRA - Non Generators / No Longer Regulated FEDLAND - Federal and Indian Lands. TSCA - Toxic Substances Control Act. TRIS - Toxic Chemical Release Inventory System. SSTS - Section 7 Tracking Systems. RAATS - RCRA Administrative Action Tracking System. PRP - Potentially Responsible Parties. PADS - PCB Activity Database System. ICIS - Integrated Compliance Information System. FTTS - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). FTTS INSP - FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act). MLTS - Material Licensing Tracking System. RADINFO - Radiation Information Database. BRS - Biennial Reporting System. INDIAN RESERV - Indian Reservations. LEAD SMELTER 1 - Lead Smelter Sites. LEAD SMELTER 2 - Lead Smelter Sites. US AIRS (AFS) - Aerometric Information Retrieval System Facility Subsystem (AFS). US AIRS MINOR - Air Facility System Data. DRYCLEANERS - Drycleaning Facilities. Enforcement Miami-Dade - Enforcement Case Tracking System Sites. FL Cattle Dip. Vats - Cattle Dipping Vats. DADE CO AW - Agricultural Waste Listing. PCS ENF - Enforcement data. PCS INACTIVE - Listing of Inactive PCS Permits. PCS - Permit Compliance System. MINES MRDS - Mineral Resources Data System.

EXHIBIT P-2

Database Sources

NPL: EPA

Updated Quarterly

NPL Delisted: EPA

Updated Quarterly

CERCLIS: EPA

Updated Quarterly

NFRAP: EPA

Updated Quarterly

RCRA COR ACT: EPA

Updated Quarterly

RCRA TSD: Environmental Protection Agency

Updated Quarterly

RCRA GEN: Environmental Protection Agency

Updated Quarterly

Federal IC / EC: Environmental Protection Agency

Varies

ERNS: National Response Center, United States Coast Guard

Updated Quarterly

State/Tribal CERCLIS: Department of Environmental Protection

Updated Semi-Annually

State/Tribal SWL: Department of Environmental Protection

Updated Quarterly

State/Tribal LTANKS: Department of Environmental Protection

Varies

State/Tribal Tanks: Department of Environmental Protection

Updated Quarterly

Database Sources

State/Tribal IC / EC: Department of Environmental Protection

Updated Semi-Annually

State/Tribal VCP: Department of Environmental Protection

Varies

ST/Tribal Brownfields: Department of Environmental Protection

Varies

US Brownfields: Environmental Protection Agency

Updated Semi-Annually

Other SWF: Palm Beach County Solid Waste Authority

Varies

Other Haz Sites: Department of Environmental Protection

Varies

Other Tanks: Broward County Environmental Protection Department

Varies

Spills: U.S. Department of Transportation

Updated Quarterly

Other: Environmental Protection Agency

Updated Quarterly

EXHIBIT P-2

Street Name Report for Streets near the Target Property

Target Property: CEDAR POINT RD
JACKSONVILLE, FL 32226

JOB: NA

Street Name	Dist/Dir	Street Name	Dist/Dir
Boney Rd	0.08 ESE		
Cattle Crossing Way	0.21 South		
Cedar Point Rd	0.03 South		
Clapboard Creek Dr	0.03 SSW		
Red Barn Ct	0.16 SSE		
Ridge Crossing Way	0.12 SW		

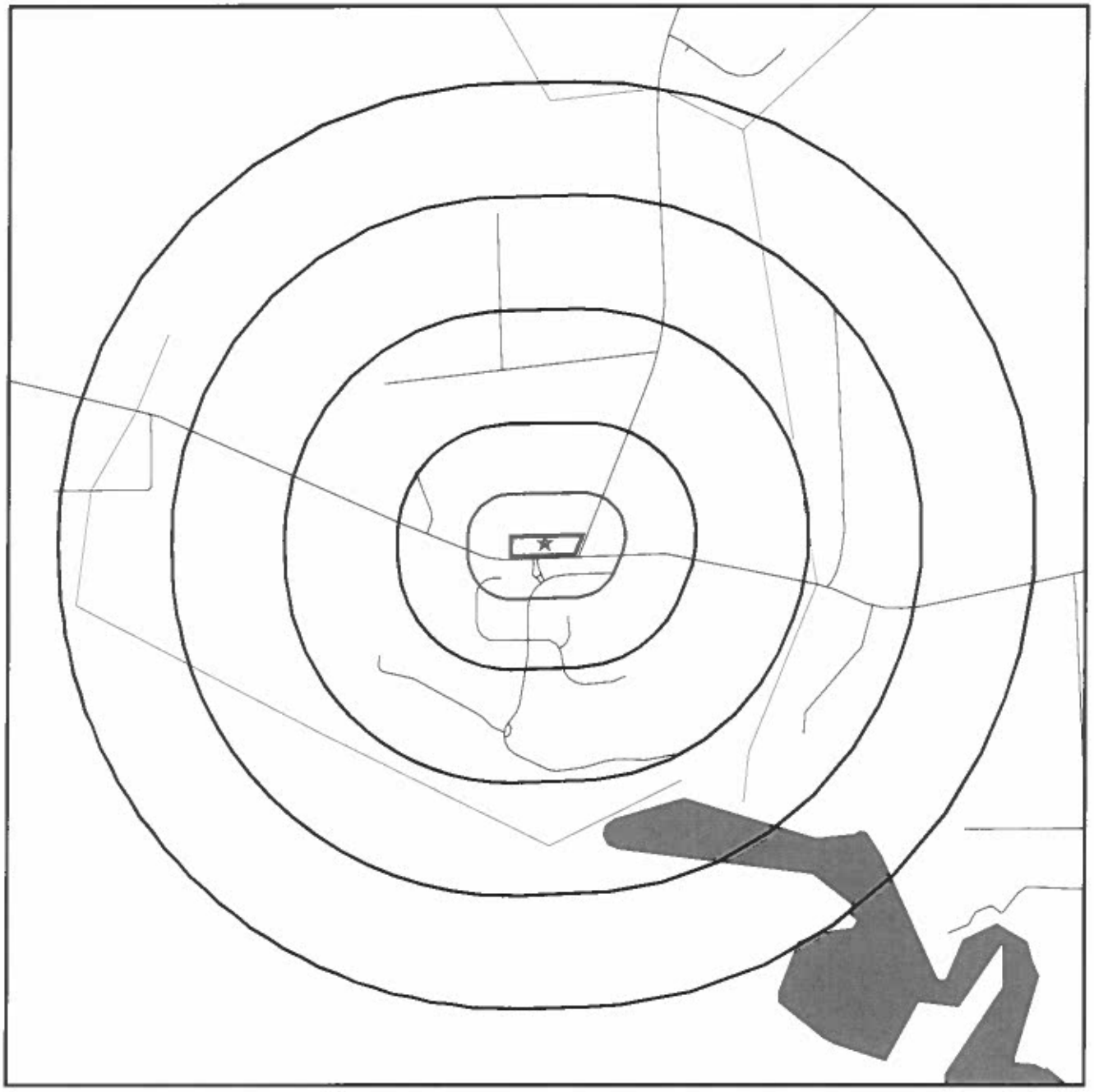
Environmental FirstSearch

1.000 Mile Radius

ASTM MAP: NPL, RCRACOR, STATES Sites

EXHIBIT P-2

CEDAR POINT RD JACKSONVILLE, FL 32226



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

★ Target Property (Latitude: 30.45948 Longitude: 81.531015)

▲ Identified Sites

Indian Reservations BIA

FL Brownfield

National Priority List Sites

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22-05-26,14:30:24,Thu

Environmental FirstSearch

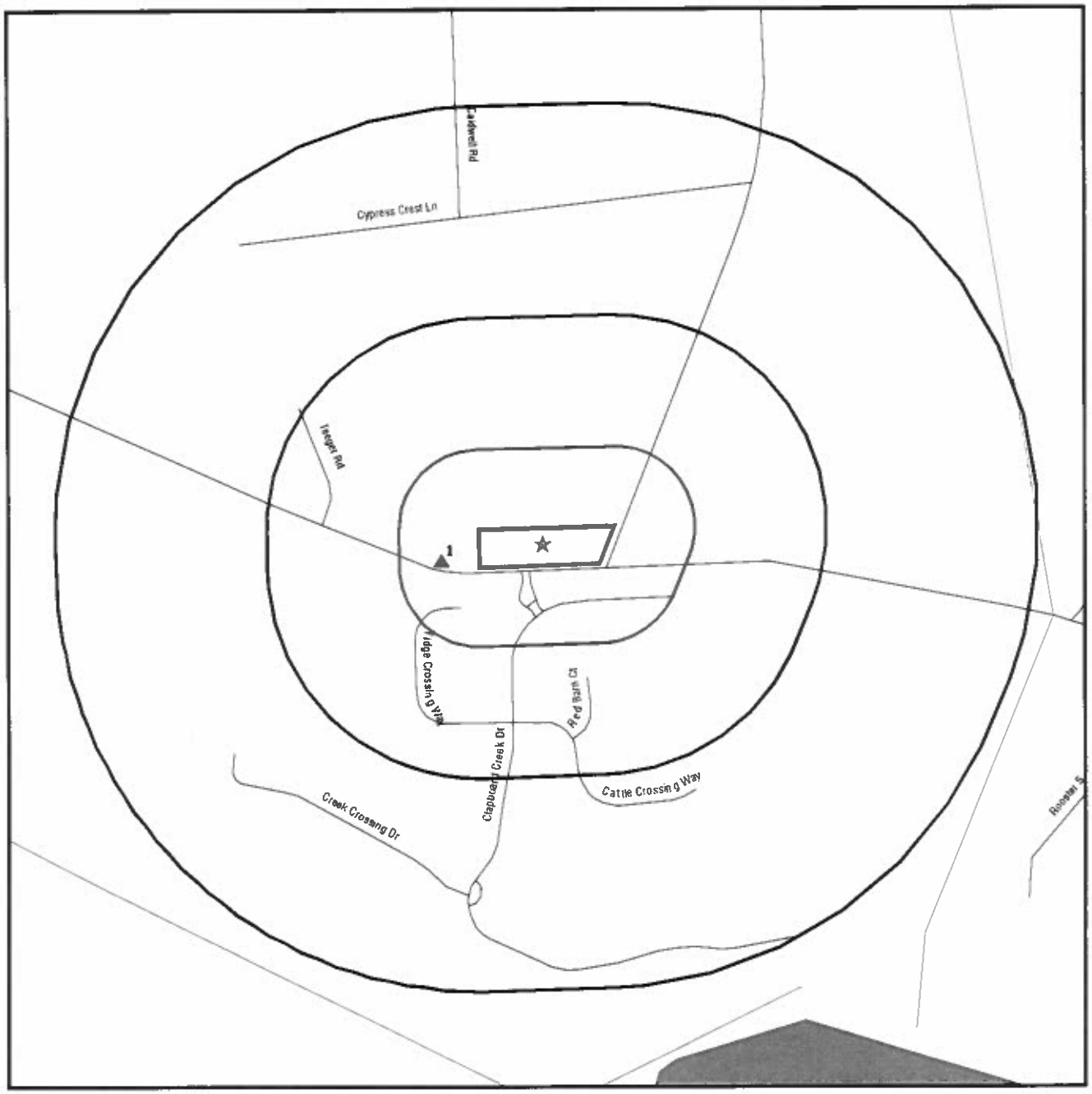
0.500 Mile Radius

ASTM MAP: CERCLIS, RCRATSD, LUST, SWL

EXHIBIT P-2

EDR®

CEDAR POINT RD JACKSONVILLE, FL 32226



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

★ Target Property (Latitude: 30.45948 Longitude: 81.531015)

▲ Identified Sites

National Priority List Sites

Indian Reservations BIA

FL Brownfield

EDR Reference Code (EDR internal use only): 6996648.2s
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22-05-26.14:30:31.Thu

Environmental FirstSearch

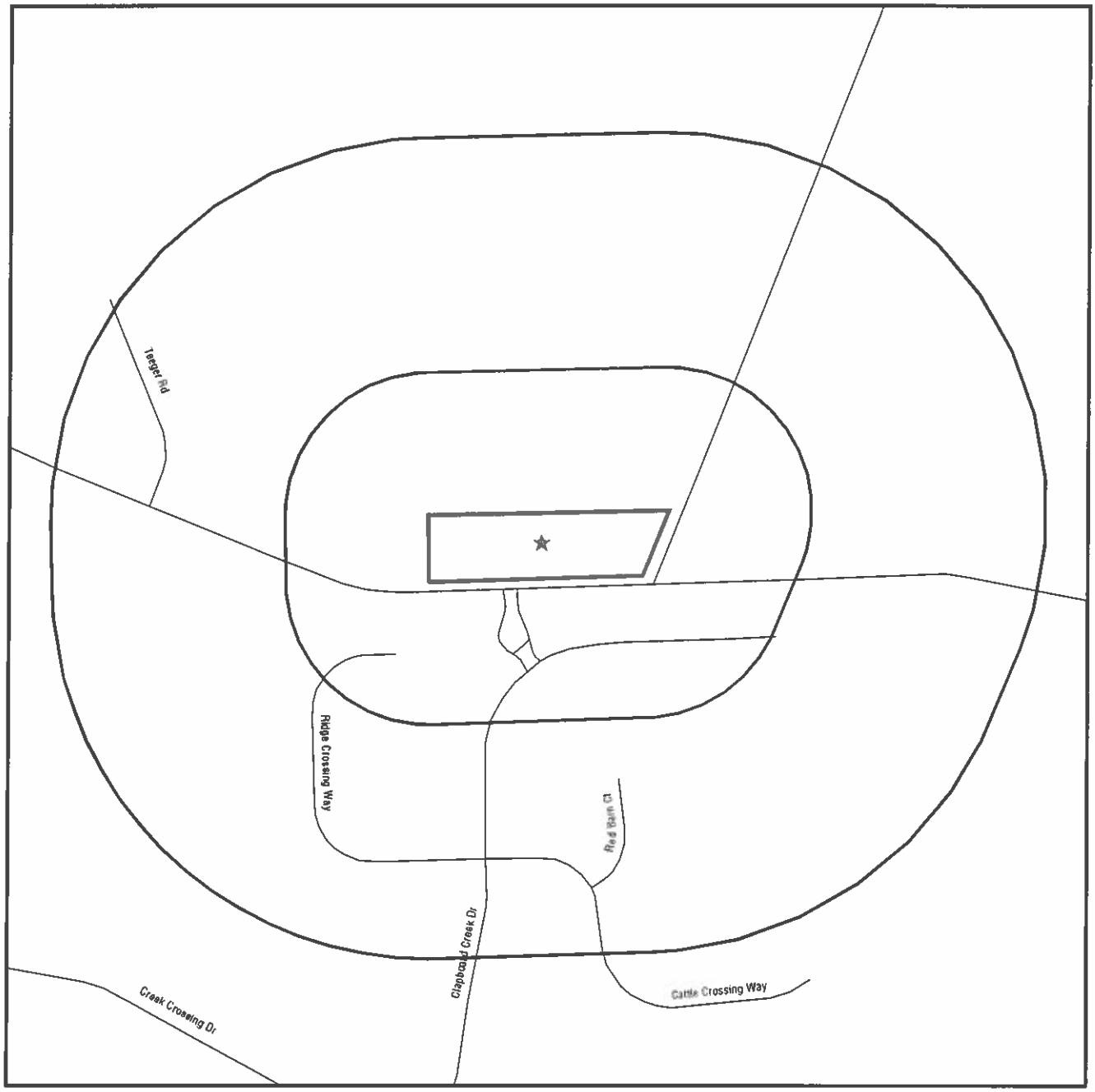
0.25 Mile Radius

ASTM MAP: RCRAGEN, ERNS, UST, FED IC/EC, METH LABS

EXHIBIT P-2

EDR®

CEDAR POINT RD JACKSONVILLE, FL 32226



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

★ **Target Property (Latitude: 30.45948 Longitude: 81.531015)**

▲ **Identified Sites**

Indian Reservations BIA

FL Brownfield

National Priority List Sites

EDR Reference Code (EDR internal use only): 6996648.2s
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22-05-26.14:30:37.Thu

Environmental FirstSearch

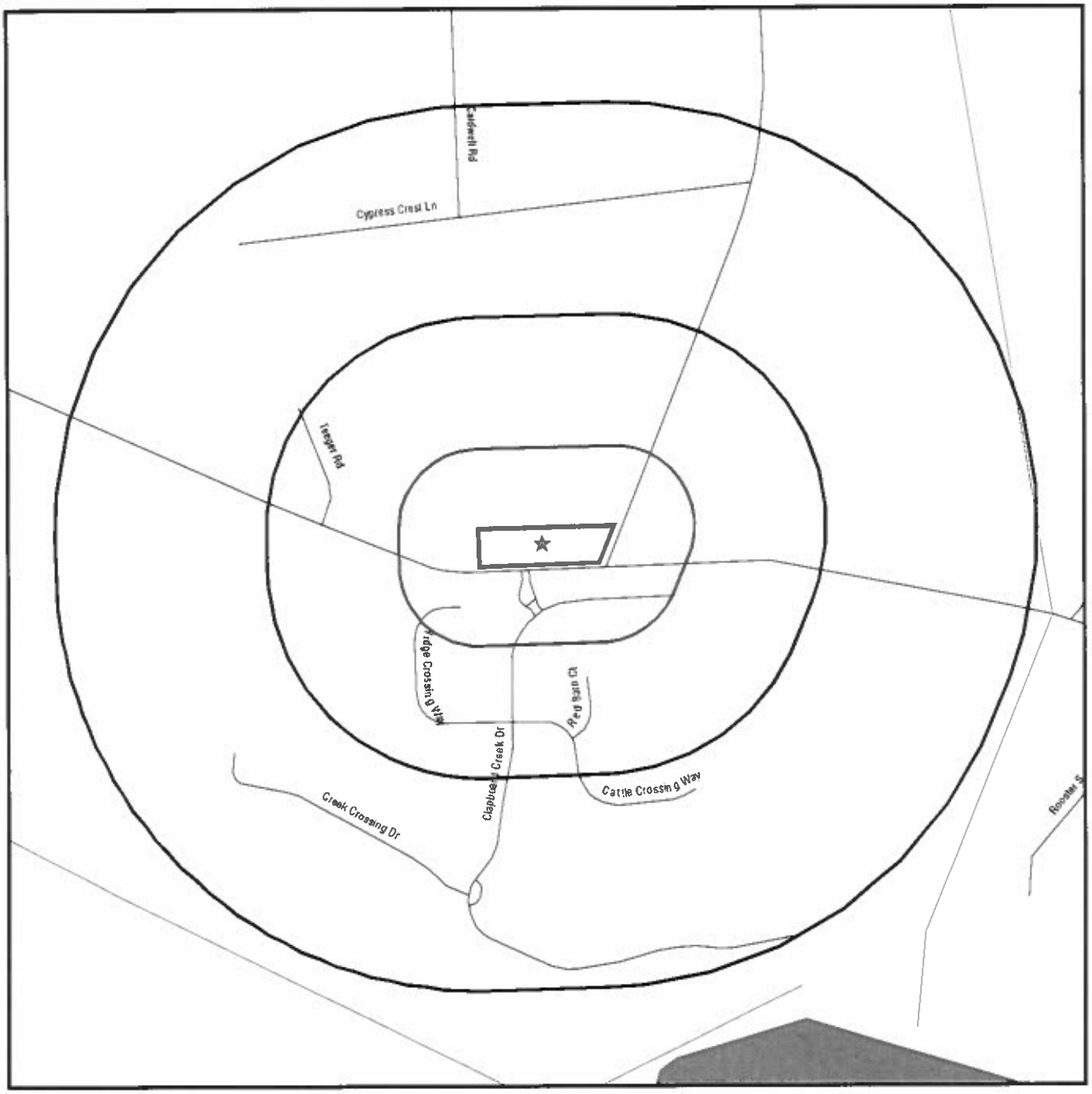
0.500 Mile Radius

Non ASTM Map, Spills, FINDS

EXHIBIT P-2

EDR®

CEDAR POINT RD JACKSONVILLE, FL 32226



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

★ **Target Property (Latitude: 30.45948 Longitude: 81.531015)**

▲ **Identified Sites**

Sensitive Receptors

National Priority List Sites

Indian Reservations BIA

FL Brownfield

EDR Reference Code (EDR internal use only): 6996646.2s
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22-05-26.14:30:46.Thu

Site location Map

Topo: 0.75 Mile Radius

EXHIBIT P-2

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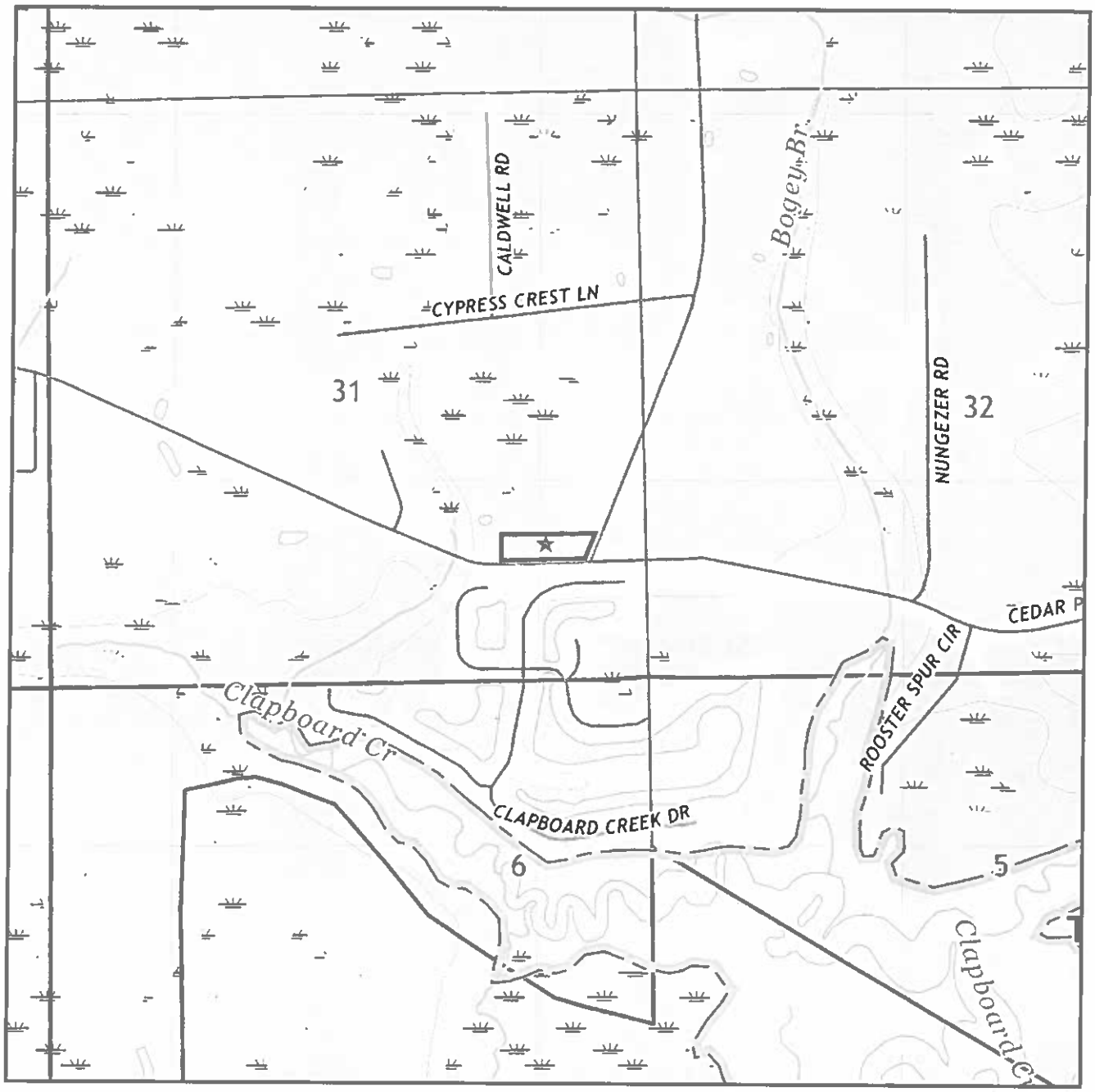
CEDAR POINT RD JACKSONVILLE, FL 32226



Map Image Position: TP
Map Reference Code & Name: 11574523 Eastport
Map State(s): FL
Version Date: 2018

APPENDIX F

SUPPORTING DOCUMENTATION

APPENDIX G

QUALIFICATIONS OF ASSESSORS

Paul Fitch, PE, LAC, Sr. Engineer

Aerostar SES LLC

YEARS WITH COMPANY
19 Years

TOTAL YEARS OF EXPERIENCE
25 Years

OFFICE
Jacksonville, FL

ACADEMIC BACKGROUND
- BS, Electrical Engineering, University of Central Florida, 1992

REGISTRATIONS/CERTIFICATIONS
- Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA)-Certified Asbestos Inspector
- EPA AHERA Certified Contractor Supervisor for Asbestos Abatement
- EPA AHERA-Certified Management Planner
- EPA AHERA-Certified Project Designer
- Licensed Asbestos Consultant (LAC) #AX64
- Qualified Stormwater Erosion and Sedimentation Control Inspector #41350
- Registered Professional Engineer:
  Alabama #25490
  Alaska #13715
  Florida #57447
  Georgia #029107
  Illinois #062.061557
  Louisiana #33197
  Maine #12743
  Mississippi #17340
  N. Carolina #34671
  S. Carolina #26699
  Texas #103209
  Virginia #0402060668

PROFESSIONAL TRAINING
- Occupational Safety and Health Administration (OSHA) 40-hr. Hazardous Waste Operations and Emergency Response (HAZWOPER) and 8-hr. HAZWOPER Site Supervisor
- OSHA 30-hr. Construction Safety and Health
- United States Army Corps of Engineers (USACE)/Naval Facilities Engineering Command (NAVFAC) Construction Quality Management
- Movement and Fate of Contaminates in Surface Water
- University of Anchorage Alaska – Fundamentals of Arctic Engineering
- OSHA Permit-Required Confined Spaces
- Substation Entry Permit
- Cardiopulmonary Resuscitation (CPR)/First Aid/Automated External Defibrillators (AED)
- Bloodborne Pathogens

Mr. Fitch has over 25 years of experience providing environmental engineering projects. Mr. Fitch brings a wealth of knowledge in compliance with environmental regulations and preparation of Physical Condition Assessments and Environmental Baseline Survey (EBS) documents. He has performed over 500 Environmental Site Assessments (ESA)/EBS projects over the past 25 years for private, state, and federal clients. He has also prepared Phase I/II ESA Reports, Spill Prevention Control and Countermeasure (SPCC) Plans, Stormwater Pollution Prevention Plans (SWPPP), and Baseline Environmental Assessments for various federal facilities including Naval Construction Battalion Center (NCBC) Gulfport, Naval Air Station (NAS) Meridian, Naval Support Activity (NSA) New Orleans, and the John C. Stennis Space Center. Assessment and audit experience includes compliance audits for the Fernandina Beach Municipal Airport, the Jacksonville Transportation Authority (JTA), local commercial businesses, and apartment complexes.

Experience Highlights

Industrial Hygiene and Environmental Consulting Services, Master Service Agreement Duval County School Board, Jacksonville, FL – Project Engineer for projects including comprehensive LBP surveys of all of the county's existing elementary, middle, and high schools; preparation of ESAs and Remediation for new school facilities; and assessment and development of a comprehensive soil and groundwater sampling plan at a proposed new school facility formerly used as a golf course.

Phase I ESAs, Regions Financial Corporation – Senior Engineer and Technical Reviewer for numerous Phase I ESAs involving hazardous waste and petroleum sites throughout the southeastern United States. Due diligence work is performed in accordance with ASTM standards and Regions Bank specifications for additional non-scope items. In addition to the Phase I ESA, preliminary evaluation for ACMs, lead-based

paint, and mold are conducted at various sites. Activities performed included conducting a site inspection, evaluating current/historical uses of the subject site and surrounding properties, reviewing an Environmental Data Resources (EDR) Report, interviewing the site owner and occupant, and determining recommendations for further investigation activities.

Multiple Phase I and II ESAs, USACE New Orleans District, New Orleans, LA – Senior Engineer and Technical Reviewer to multiple Phase I and II ESAs for the USACE New Orleans District. Tasks included site surveying, historical review, sampling, and interviews for report preparation. All site assessments were performed in accordance with ASTM 1527-05 standards.

State Cleanup and Pre-Approval Site, Florida Department of Environmental Protection (FDEP), FL – Senior Engineer and Technical Reviewer for various tasks under the FDEP State Cleanup and Pre-Approval Sites. Tasks included groundwater and soil sampling for a variety of petroleum pre-approval sites throughout Florida.

12 SPCC Updates for Five Sites, JEA, Jacksonville, FL – Senior Project Engineer responsible for SPCC plans at 12 JEA electric and water/sewer facilities and prepared new SPCC plans for five JEA electric and water/sewer facilities in Jacksonville, Florida.

Bryant Paint and Drywall, Tallahassee, FL – Project Manager and Site Safety and Health Manager for restoration of an FDEP petroleum site. Prepared Site Safety and Health Plan (SSHP), provided oversight of drilling operations, monitored well installation and sampling of the wells. Daily site activities included site-specific safety briefing covering the known hazards at the site to include traffic, power lines, operation of heavy equipment, and use of required safety gear (hard hats, boots, etc.).

Asbestos, Lead-based Paint (LBP), and Hazardous Material Consulting Services, Repair Ambulatory Surgery, 10th Medical Group, Air Force Academy, Colorado Springs, CO – Responsible for the review of asbestos survey reports and preparation of an abatement and demolition work plan based on the findings of the survey. Prohibited demolition work practices, local, state and federal notification requirements, clearance criteria, and disposal practices and permits were addressed. Project was completed on time and within budget.

Former Richmond Naval Air Station (NAS) Groundwater Remediation, Miami, FL – Professional Engineer for remedial action to reduce hydrocarbons detected in groundwater at a former underground storage tank (UST) and pipeline site at Area 3 at the Former Richmond NAS near Miami, Florida.

Engineering Services associated with the Navy's Pollution Prevention Program and Navy Hazardous Waste Management Program, Southeastern US – Senior Design Engineer for a five-year, $5 million NAVFAC Southeast indefinite delivery/indefinite quantity (ID/IQ) contract providing engineering services in support of the Navy's Pollution Prevention (P2), Emergency Planning and Community Right-to-Know Act (EPCRA), Hazardous Materials (HM), and Environmental Management Systems (EMS) program. Secondary support services are provided for their Military Range and Resource Conservation and Recovery Act (RCRA) management programs.

Continuing Contract for Consulting Services, Jacksonville Transportation Authority (JTA), Jacksonville, FL – Senior Design Engineer for environmental compliance, site engineering, consulting with regulatory officials, quality assurance, assessment, oversight, and implementation for multiple projects at JTA owned/operated facilities. Updated facility SPCC Plan, SWPPP, and UST/aboveground storage tank (AST) compliance documentation for multiple JTA facilities. Prepared structural, electrical, and fire protection design for $1.5 million AST upgrade project.

LBP and Asbestos Surveys for 16 Buildings at Tyndall Air Force Base (AFB), FL – Licensed Asbestos Consultant for LBP and asbestos surveys for 16 buildings at Tyndall AFB in Florida.

Southside Incinerator Site, Jacksonville, FL – Provided safety oversight for the supplemental site assessment of contamination associated with the presence of incinerator ash in and around the former Southside Incinerator municipal ash disposal site. The investigation determined exposure to incinerator ash and

contaminants of concern including lead, arsenic, polynuclear aromatic hydrocarbons (PAHs), and dioxins within the ash and soil. Conducted daily safety briefings, verified and documented safe work practices.

Neighborhood Stabilization Program, City of Jacksonville, FL – Senior Engineer and Technical Reviewer for Phase I ESAs, asbestos, LBP, and mold survey report for the City of Jacksonville's Neighborhood Stabilization Program.

SPCC Update, Fort Irwin, CA – Senior Engineer for SPCC Update. Conducted pre-inspection meetings with site personnel, completed visual inspections of all petroleum storage tanks/facilities located on base, completed a visual inspection of all petroleum storage tanks/facilities located on the Barstow-Daggett Airport, revised the existing spill plan to include new facilities, removed old facilities, and incorporated new language to show compliance with the most recent changes to the SPCC regulations. Developed Annual Required SPCC Training Presentation and Test of Knowledge designed to be engaging and include audio, animations, and humorous elements. The training presentation was a menu-driven program designed to be used with Microsoft PowerPoint. A separate SPCC awareness video was included.

Asbestos Consulting Services, Building 2080, Naval Hospital, NAVFAC Southeast, NAS Jacksonville, FL – Project included survey of select areas within the hospital prior to planned renovation activities. Asbestos-containing materials within the planned renovation areas were identified and prescribed OSHA work practices were identified for each material. Project was completed on time and within budget.

Former Richmond NAS Groundwater Remediation, Miami, FL – Professional Engineer for remedial action to reduce hydrocarbons detected in groundwater at a former UST and pipeline site at Area 3 at the Former Richmond NAS near Miami, Florida.

Asbestos and LBP Assessment, Building 1892 and Seven Additional Structures, USACE Charleston, Fort Jackson, Columbia, SC – Responsible for hazardous material survey services for building demolitions/renovations for eight buildings totaling 54,900 square feet in area. The survey included the assessment of suspect asbestos-containing and LBP materials in administration, barracks, and training support buildings located at Fort Jackson. Cost estimates for the removal and handling of identified hazardous materials were also prepared.

Mold Remediation, Naval Submarine Base Kings Bay, Kings Bay, GA – Professional Engineer and provided safety oversight for mold remediation in seven buildings at Kings Bay. Conducted daily safety briefings, verified and documented safe work practices.

Diesel Spill Cleanup, NAS Joint Reserve Base (JRB) New Orleans, LA – Senior Engineer for the removal of approximately 250 cubic yards of diesel-impacted soil from Building 40 and Building 512, until no signs of soil staining or odors were present. Thirty-three soil samples were collected and analyzed to confirm that all contaminated soil had been removed.

Level 1 Contamination Screening, State Road 9B Extension, St. Johns County, FL – Senior Engineer for a Contamination Screening Evaluation (CSE) of the State Road (SR) 9B Extension, located in northern St. Johns County, FL. Work included a Level 1 assessment for potentially contaminated sites located along the subject corridor that had the potential to adversely impact construction.

Environmental Condition of Property Reports and Hazmat Surveys at Multiple Marine Corps Reserve Locations – Senior Engineer for Environmental Condition of Property (ECP) surveys for Marine Corps Reserve Centers (MCRCs) in Newport News, Virginia; Wyoming, Pennsylvania; and Grand Rapids, Michigan; and Hazardous Material Surveys for MCRCs in Newport News, Virginia; Wyoming, Pennsylvania; Grand Rapids, Michigan; Brooklyn, New York; and Oklahoma City, Oklahoma.

United States Coast Guard (USCG) Miscellaneous Environmental Services, Various Facilities, Southeastern US – Environmental Engineer for site surveys and assessments, consulted with regulatory officials, and prepared final reports for multiple environmental design projects. This included preparing SWPPP updates,

spill plan updates, hydrological surveys, and Hazardous, Toxic, and Radioactive Waste (HTRW) - LBP surveys. These projects involved use of Geographic Information System Mapping Technology (GIS) and Computer Aided Design and Drafting (CADD) tools, and ground and aerial surveys.

Environmental Surveying Services, 27 Buildings, Antilles Elementary School, Fort Buchanan, PR – Responsible for asbestos-containing materials (ACM), LBP, and Toxicity Characteristic Leaching Procedure (TCLP) Waste Characterization for Lead for 27 buildings and associated outbuildings totaling 72,000 square feet, located at Fort Buchanan in Puerto Rico.

Monitoring Report Sites 5 and 6, NAS Meridian, Meridian, MS – Senior Engineer for Semi-Annual Long-term Groundwater Monitoring Report for Site 5 and 6, Former Pesticide Mixing Area, NAS Meridian, Meridian, Mississippi. Activities included field investigations and groundwater sampling.

Old Jennings Road Widening Project, Private Client, Jacksonville, FL – Senior Technical Reviewer for a Phase I ESA for the Old Jennings Road Widening Project. The purpose of this assessment was to identify recognized environmental conditions along the subject corridor. Tasks included visiting the subject corridor, noting observations, and obtaining photographic documentation of the sites. A review was performed on readily available aerial photographs and city directories to identify past uses of the sites, and of federal, state, and local environmental agency databases to identify potential on-site and off-site environmental concerns from registered facilities.

RCRA Part B Permit Application, NAS Jacksonville, FL – Environmental Engineer for a review of the existing permit, consulted with Navy personnel concerning required changes and additions to the new permit application, consulted with state regulatory officials, prepared draft copies of the permit application for review and final copies for submission. The new permit also included closure, post-closure, and groundwater monitoring plans for the Subpart X Miscellaneous Unit being added to the permit.

SWPPP, Langley AFB, VA – Senior Design Engineer that conducted a visual walking inspection of the facility's stormwater features and structures, reviewed historical stormwater monitoring reports, prepared the current stormwater monitoring report for submittal to the State of Virginia, and prepared the updated SWPPP.

APAC-Southeast, Inc. Stormwater Inspections – Senior Design Engineer for quarterly stormwater inspections at five asphalt plants in the southeast. Samples were collected as required by the Multi-Sector General Permit (MSGP) during or just following a qualified rain event and submitted for laboratory analyses. Aerostar inspected the facilities and ensured that the completed Discharge Monitoring Reports (DMRs) were submitted as required by the permit and stored on-site to document the results of the stormwater sampling event.

LBP and Hazardous Waste Management and Program Development, Buckman Lock, Palatka, FL – Senior Project Manager/Compliance for a comprehensive asbestos and LBP survey at the Buckman Lock Facility located in the former Cross-Florida Barge Canal. These services were provided to assess and quantify ACM and LBP-containing materials throughout the facility and to assist the owner in developing a strategy for their removal. Developed a LBP abatement specification designed to protect the client and allow the bidding contractor the flexibility to design an appropriate work plan for the removal processes.

Former Firing Range LBP Abatement, Army National Guard (ANG), Department of Military Affairs, St. Augustine, FL – Conducted LBP abatement of a former indoor firing range at the ANG Headquarters. Project included pre-abatement sampling, construction of a containment area, application of U.S. Department of Housing and Urban Development (HUD) approved LBP encapsulate, post abatement sampling, cleanup, and return to service. The abatement was performed following ANG requirements.

Julio Silva, Environmental Scientist

Aerostar SES LLC

YEARS WITH COMPANY
1 Year

TOTAL YEARS OF EXPERIENCE
1 Year

OFFICE
Jacksonville, FL

ACADEMIC BACKGROUND
- BS, Biomedical Science, Florida State College at Jacksonville, 2017

PROFESSIONAL TRAINING
- Cardiopulmonary Resuscitation (CPR)/First Aid/Automated External Defibrillator (AED)

Mr. Silva has participated in a wide range of environmental applications, including Phase I Environmental Site Assessments (ESAs). His responsibilities have included site inspections, field sampling and report writing as part of environmental due diligence projects. Mr. Siva also has experience in collecting, analyzing, and compiling field data and has prepared technical reports.

Experience Highlights

Tier II Site-Specific Environmental Reviews for the Community Development Block Grant Disaster Recovery (CDBG-DR) Restore St. Johns Housing Program, St. Johns County, Florida – Project Scientist for the Tier II Site-Specific Environmental Review of multiple residential properties damaged by Hurricane Matthew in St. Johns County, Florida. Screening of each site included correspondence with the Florida Master Site File and SHPO, FEMA flood risk identification, wetland identification, noise evaluation, explosive and flammable hazard identification, hazard and toxics identification, lead-based paint risk identification, asbestos risk identification, accident potential zone (APZ) and runway protection zone/clear zone (RPZ/CZ) identification, endangered species identification, and coastal barrier resource system identification. A Florida Department of Equal Opportunity (DEO) Site-Specific Environmental Review Checklist was completed for each site.

Miscellaneous Phase I and II ESAs, Southeastern U.S. – Project Manager for multiple Phase I/II ESAs on vacant land, managed forests, residential developments, and commercial and industrial properties as part of real estate transactions in Florida.

EXHIBIT 5

Traffic Pre-emption Information

Williams, Maria

From: Copeland, Carlton
Sent: Friday, March 10, 2023 9:53 AM
To: Williams, Maria
Cc: Reed, Nikita; Smith, Robin; Nick E. Mousa (n.mousa@gaiconsultants.com)
Subject: Re: RE# 159845-0000 - Temporary Fire Station # 76

Maria - Good morning. I agree. The temporary fire station does not need a preemptive signal. Please note the permanent fire station will need a preemption conductor connected to the traffic signal nearest location.

Carlton P. Copeland
Traffic Signal Supervisor/ITS Manager
Traffic Engineering Division
1007 Superior St
Jacksonville, FL 32254

> On Mar 9, 2023, at 6:16 PM, Williams, Maria <MariaCW@coj.net> wrote:
>
> Cope,
>
> Could you please let us know your thoughts on the email below.
>
> Thanks, Maria
>
> Maria C. Williams, P.E.
> City of Jacksonville I Department of Public Works
> 214 N. Hogan Street - 10th Floor
> Jacksonville, FL 32202
> Office Phone: (904) 255-8789
> www.coj.net<http://www.coj.net/>
>
>
> From: Williams, Maria
> Sent: Tuesday, November 8, 2022 5:48 PM
> To: Copeland, Carlton <Copeland@coj.net>
> Cc: Lesniak, Michael <MLesniak@coj.net>; Riska, Steven <SRiska@coj.net>
> Subject: RE# 159845-0000 - Temporary Fire Station # 76
>
> Cope,
>
> We are going to construct a temporary Fire Station on Cedar Point Road (RE # 159845 0000). The site is considered agricultural. We are going to relocate the previous temporary facility we built on Gate Parkway for Fire Station #63 that included a 40 ft. x 40 ft. metal building and a trailer. We expect the temporary FS to be at this location until the new permanent Fire Station 76 is completed.
>
> The DB team is asking if a temporary signalization is needed for the temporary fire station. I don't see a need for a traffic signal at this location. Below are the responses (in red) to the EVP considerations you provided today:
>

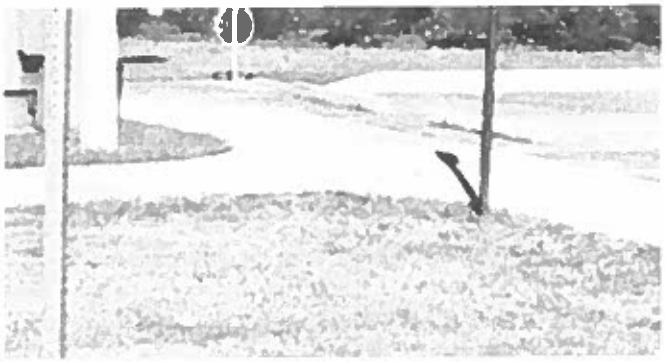
EXHIBIT 6

Sidewalk Intersections

A 5' radius is required at the sidewalk intersections. Below are pictures of previous fire stations sidewalk intersections.

FS 24:

FS 26:



JOINT DETAILS:

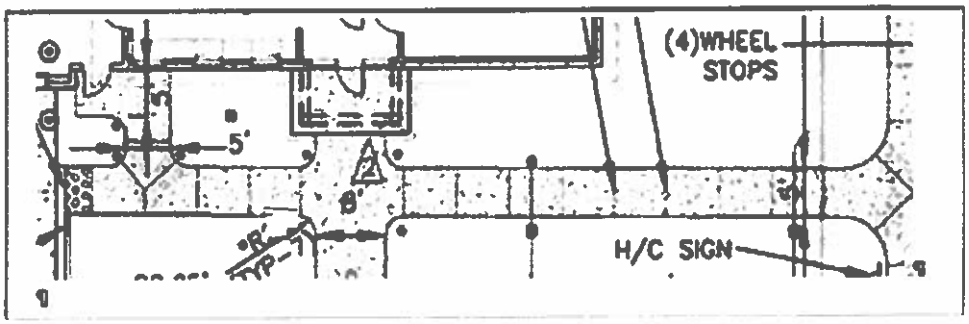


EXHIBIT 7

Utility Companies Information

EXHIBIT P-2

Availability Letter

Maria Williams

City of Jacksonville

214 N Hogan Street

Jacksonville, Florida 32202

8/1/2022

Project Name: Temporary Fire Station # 76

Availability #: 2022-2876

Attn: Maria Williams

Thank you for your inquiry regarding the availability of Electric,Sewer,Water. The above referenced number in this letter will be the number JEA uses to track your project. Please reference this number when making inquiries and submitting related documents.

Point of Connection:

A summary of connection points for requested services are identified on the following page. JEA recognizes Connection Point #1 as the primary point of connection (POC); however, a secondary, conditional POC will be listed if available. JEA assumes no responsibility for the inaccuracy of any service connection portrayed on a JEA utility system record drawing. JEA requires field verification in the form of a Level A SUE of all POCs prior to any plan approval to ensure connection availability. Please note the Special Conditions stated in each section contain pertinent information and additional requirements as well as further instructions. In the event the point of connection is located within a JEA easement located on private property not owned by applicant, applicant shall be responsible to obtain a temporary construction easement (TCE) from the third party owner providing applicant with the right to construct the utilities. **The TCE will need to be provided by JEA prior to setting up a pre-construction meeting.**

Main Extensions and/or Offsite Improvements:

For all utilities located in the public Right of Way or JEA easement, the new WS&R utilities shall be dedicated to JEA upon completion and final inspection, unless otherwise noted. **It shall be the applicant's responsibility to engage the services of a professional engineer, licensed in the State of Florida**. All WS&R construction shall conform to current JEA Water, Sewer & Reuse Design Guidelines which may be found at:

https://www.jea.com/engineering_and_construction/water_and_wastewater_development/reference_materials/

Reservation of Capacity:

This availability response does not represent JEA's commitment for or reservation of WS&R capacity. In accordance with JEA's policies and procedures, commitment to serve is made only upon JEA's approval of your application for service and receipt of your payment of all applicable fees.

A detailed overview of the process can be found at JEA.com. This document along with other important forms and submittal processes can be found at

https://www.jea.com/water_and_wastewater_development

Sincerely,

Sigrid Baker
duncsg2@jea.com
(904) 544-0371

Availability Number: 2022-2876
Request Received On: 7/25/2022
Availability Response: 8/1/2022
Prepared by: Sigrid Baker
Expiration Date: 07/31/2024

Project Information

Name: Temporary Fire Station # 76
Address:
County: Duval County
Type: Electric,Sewer,Water
Requested Flow: 520
Parcel Number: 159845 0000
Location:
Description: Temporary Fire Station Mobile home (29' x 56') and temporary metal garage (40' x 40')

Potable Water Connection

Water Treatment Grid: North Grid
Connection Point #1: Existing 12-inch water main within Cedar Point Rd ROW.
Connection Point #2:
Water Special Conditions: Connection point not reviewed for site fire protection requirements. Private fire protection analysis is required.

Sewer Connection

Sewer Grid: District 2/Cedar Bay
Connection Point #1: Existing 8-inch sewer force main within Cedar Point Rd ROW.
Connection Point #2:
Sewer Special Conditions: Connection to the JEA-owned sewer system for your project will require the design and construction of an onsite, privately owned and maintained pump station, and a JEA dedicated force main (min. 4'' dia.). Request a force main connection pressure letter through the JEA Sages program, Step 2, and select Force Main Connection Pressure Letter Request. If needed, a development meeting can be scheduled prior to submitting a plan set. Request development meeting through the JEA Sages program, Step 2, and select Development Meeting.

Reclaimed Water Connection

Reclaim Grid:	
Connection Point #1:	
Connection Point #2:	
Reclaim Special Conditions:	
Electric Availability:	
Electric Special Conditions:	The subject property lies within the geographic area legally served by JEA. JEA will provide electric service as per JEA's most current Rules and Regulations.
General Conditions:	
Subsequent steps you need to take to get service	**Request As-Built drawings and/or GIS maps by going to Step 1 in Sages. Submit your request for a Force Main Connection Pressure letter by accessing Step 2 in Sages. Submit your plans for water/waste water review by Step 2 in Sages. After your plans are approved, you can submit your permit applications by access Step 3 in Sages, select Permit Determination. After your plans, permits and shop drawings have been approved, as applicable, you can request a Pre-Construction Meeting by accessing Step 4 in Sages. Any required inspections you need for your project can be requested by accessing Step 4 in Sages. Project As-Builts can be submitted by accessing Step 4 in Sages. After your as-builts are approved you can submit your Permit COC applications by accessing Step 4 in Sages. After your permits are cleared, you can submit your project Acceptance Package by accessing Step 5 in Sages. After your project has been accepted you can submit your Commercial New Service Application by accessing Step 2 in Sages.**

EXHIBIT P-2

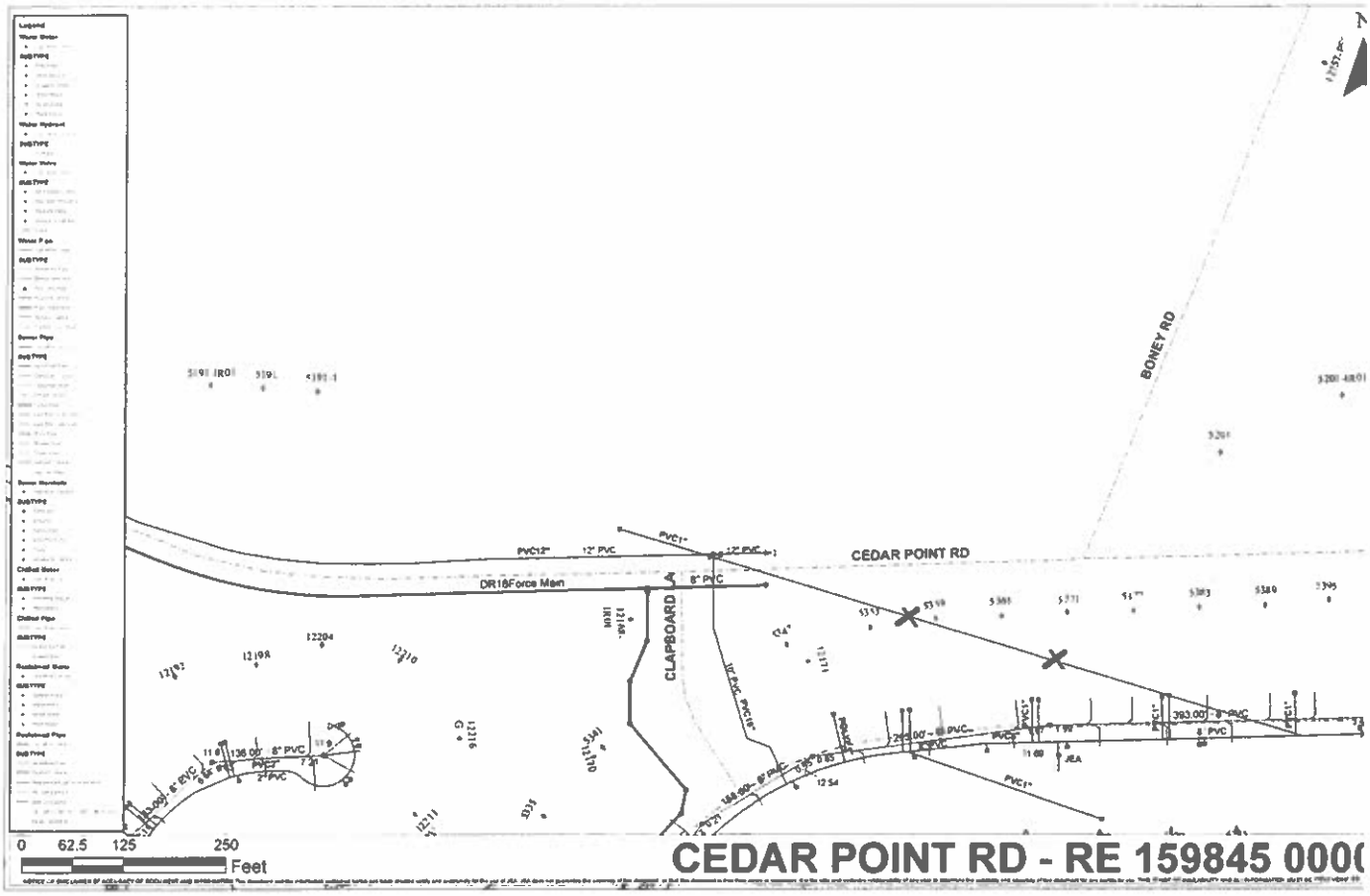
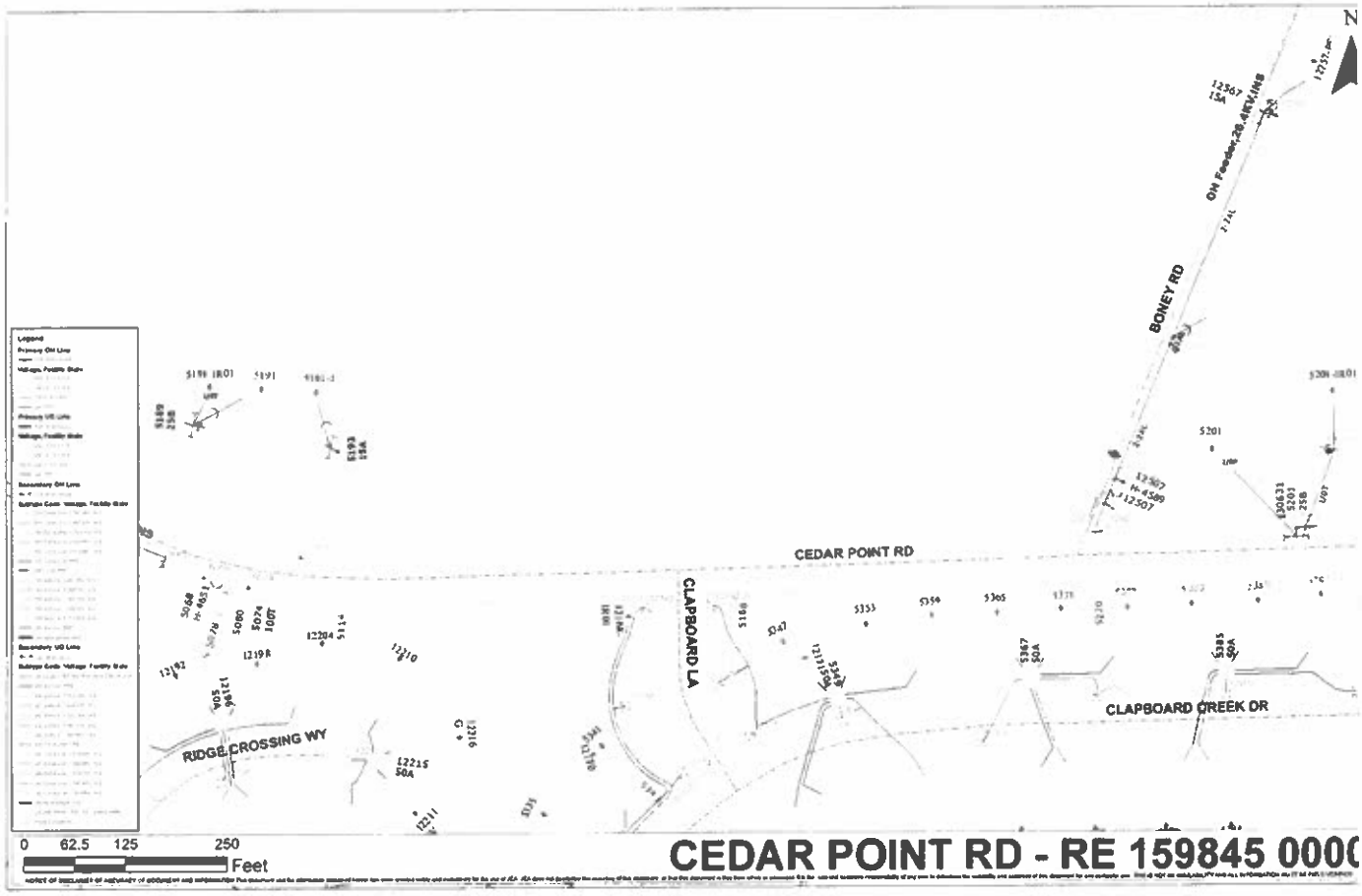

BONEY RD
CEDAR POINT RD
CLAPBOARD
DR18Force Main
PVC12"
12" PVC
8" PVC
0 62.5 125 250
Feet
CEDAR POINT RD - RE 159845 000(

EXHIBIT P-2


N
BONEY RD
CEDAR POINT RD
CLAPBOARD LA
CLAPBOARD CREEK DR
RIDGE CROSSING WY
0 62.5 125 250
Feet
CEDAR POINT RD - RE 159845 0000

AS BUILT

TIDEWATER
OFFSITE UTILITIES

AS-BUILT APPROVED
APR 21 2006
SZA

PROJECT OWNER AND CONSULTANTS

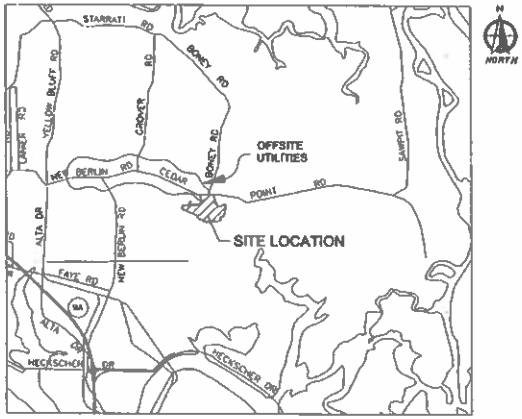
OWNER: INTERVEST CONSTRUCTION OF JAX, INC.
100 PLANTATION BAY DRIVE
ORMOND BEACH, FLORIDA 32174
CONTACT: MARK AMBACH
PH: (904) 437-4164
FAX: (904) 437-0100

ENGINEER: GREENHORNE & O'MARA, INC.
4417 BEACH BLVD. SUITE 101
JACKSONVILLE, FLORIDA 32207
TEL: (904) 348-1777 FAX: (904) 346-0087

SURVEYOR: A & J LAND SURVEYORS, INC.
7950 BELFORT PARKWAY, SUITE. 1600
JACKSONVILLE, FLORIDA 32256
TEL: (904) 296-1868 FAX: (904) 296-4583

ENVIRONMENTALIST: ENVIROMENTAL RESOURCE SOLUTIONS, INC
1597 THE GREENS WAY
JACKSONVILLE BEACH, FLORIDA 32250
TEL: (904) 285-1397 FAX: (904) 285-1929

LANDSCAPE: GODARD DESIGN ASSOCIATES, INC.
528 NORTH FIRST STREET
JACKSONVILLE, FLORIDA 32250
TEL: (904) 247-7729



LOCATION MAP
NTS

GENERAL CIVIL
TRANSPORTATION
ENVIRONMENTAL
GEOGRAPHIC SCIENCES

INDEX OF DRAWINGS

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C4	PRE DEVELOPMENT PLAN
C5	OVERALL POST DEVELOPMENT PLAN
C6-C12	PAVING,GRADING & DRAINAGE PLAN
C13-C19	UTILITY PLAN
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C31	EROSION & SEDIMENT CONTROL PLAN
C32	EROSION & SEDIMENT CONTROL DETAILS
C33	SWPPP-CONTRACTORS REQUIREMENTS
C34	SWPPP-CONTRACTORS CERTIFICATIONS
C35-C37	PAVING AND DRAINAGE DETAILS
C38	GENERAL NOTES
C39-C40	PUMP STATION SITE PLAN
C41	PUMP STATION PLAN & PROFILE
C42-C43	PUMP STATION ELECTRICAL DETAILS
C44-C48	PUMP STATION MISCELLANEOUS DETAILS
C49	PUMP STATION LANDSCAPING PLAN
C50-C55	WATER AND GRAVITY SEWER DETAILS
C56-C58	FORCEMAIN DETAILS
C59	MAINTENANCE OF TRAFFIC PLAN
TP1-TP2	TREE PROTECTION/REMOVAL PLAN
TP3	MITIGATION CALCS.
TP4	REPLACEMENT PLANS

AS BUILT

INFORMATION PROVIDED BY:
DATE: MARCH 1, 2005
NAME: A & J LAND SURVEYORS, INC.
ADDRESS: 9647 LUELLA STREET
JACKSONVILLE, FLORIDA 32207
PHONE NUMBER: (904) 296-1868

I HEREBY CERTIFY THAT THE:
PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERDRAIN CONNECTIONS
X WATER MAIN
X FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM

ARE IN ACCORDANCE WITH THE APPROVED PLANS AND ON-SITE INSPECTIONS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER

4-6-05
SIGNATURE:
NAME: GEORGE A. LAND
STATE OF FLORIDA P.L.S. NO. 3130

AS BUILT

INFORMATION PROVIDED BY:
DATE: MARCH 1, 2005
NAME: JAX UTILITIES MANAGEMENT
ADDRESS: P.O. BOX 41139 (MAILING ADDRESS)
6215 WILSON BLVD. (PHYSICAL ADDRESS) JACKSONVILLE, FL 32322-0139
PHONE NUMBER: (904) 779-4263

CONTRACTOR:
I HEREBY CERTIFY THAT THE MATERIALS AND QUANTITIES USED IN THE CONSTRUCTION OF

PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERDRAIN CONNECTIONS
X WATER MAIN
X FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM

ARE IN ACCORDANCE WITH THE APPROVED PLANS AND ON-SITE INSPECTIONS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER

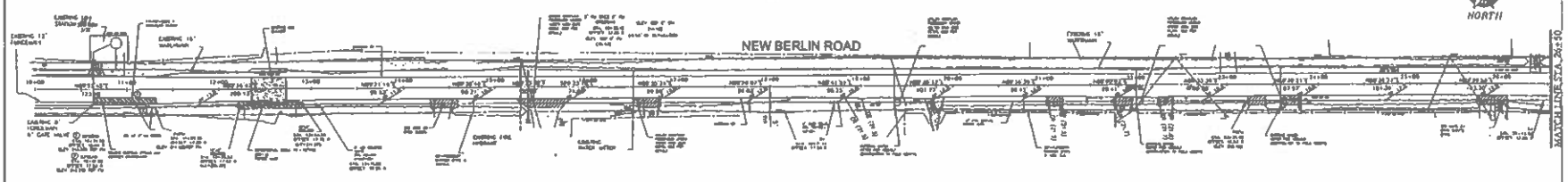
SIGNATURE:
NAME: RICK KIRBY
CONTRACTORS STATE LICENSE NUMBER: CGC 06 57273

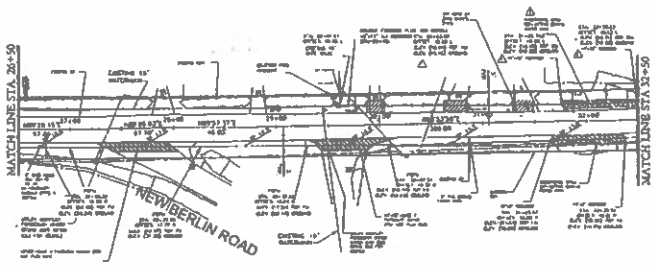
EXHIBIT P-2

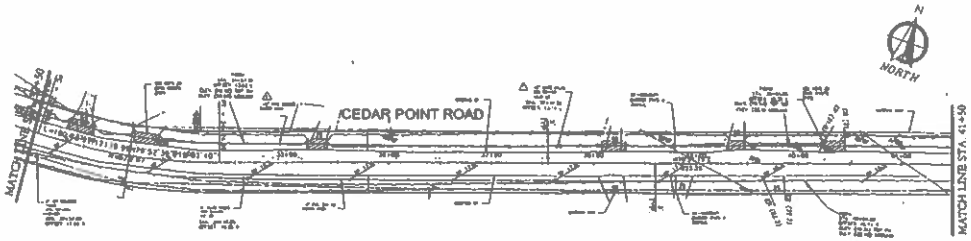
AB - 154

AS BUILT

MAP SHOWING AS-BUILT SURVEY OF
TIDEWATER SUBDIVISION OFFSITE UTILITIES



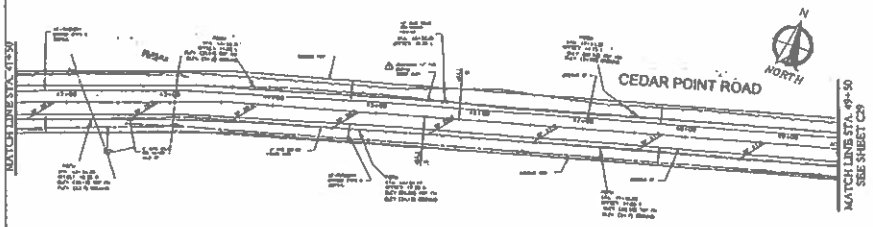




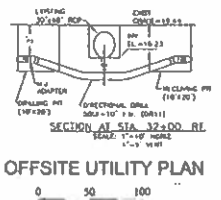
NOTE:

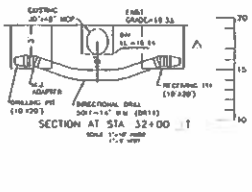
1. FOR MAINTENANCE OF TRAFFIC PLAN SEE SHEET C59.
2. ALL CONCRETE AND ASPHALTIC EXISTING DRIVEWAYS DISTURBED IN CONSTRUCTION OF OFFSITE UTILITIES SHALL BE RESTORED TO CITY OF JACKSONVILLE MINIMUM STANDARDS.
3. ALL TREES WITHIN CITY RIGHT OF WAY SHALL BE PROTECTED PER CITY OF JACKSONVILLE LANDSCAPE STANDARDS

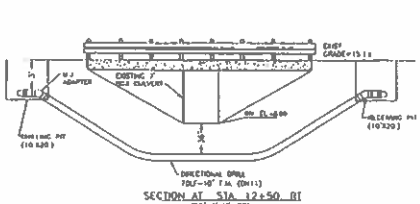
AS-BUILT APPROVED
APR 21 2005
JEA



CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW
1-800-432 4770







OFFSITE UTILITY PLAN

0 50 100
1"=50'

C28

AS BUILT

INFORMATION PROVIDED BY:
DATE: MARCH 2, 2005
NAME: JEA UTILITIES MANAGEMENT
ADDRESS: P.O. BOX 41149 (MAILING ADDRESS)
6315 WILSON BLVD (PHYSICAL ADDRESS) JACKSONVILLE, FL 32223-0001
PHONE NUMBER: (904) 273-6133

CONTRACTOR:
I HEREBY CERTIFY THAT THE MATERIALS AND QUANTITIES USED IN THE CONSTRUCTION OF

___	PAVEMENT	X	WATER MAIN
___	CURB AND GUTTER	X	FORCE MAIN
___	STORM AND DRAINAGE SYSTEM	X	LIFT STATION
___	UNDERDRAIN CONNECTIONS	___	SANITARY SEWER GRAVITY SYSTEM

ARE IN ACCORDANCE WITH THE APPROVED PLANS AND CITY SPECIFICATIONS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

SIGNATURE: [signature]
NAME: MICK JONES
CONTRACTORS STATE LICENSE NUMBER: CU CO 52273

THIS CAN BE VERIFIED BY THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

AS BUILT

INFORMATION PROVIDED BY:
DATE: MARCH 1, 2005
NAME: A & J LAND SURVEYORS INC
ADDRESS: 5847 LUELLA STREET
JACKSONVILLE, FLORIDA 32207
PHONE NUMBER: (904) 396 4666

I HEREBY CERTIFY THAT THE

___	PAVEMENT	X	WATER MAIN
___	CURB AND GUTTER	X	FORCE MAIN
___	STORM AND DRAINAGE SYSTEM	X	LIFT STATION
___	UNDERDRAIN CONNECTIONS	___	SANITARY SEWER GRAVITY SYSTEM

ARE AS THE ORIGINAL AND ACTUAL LOCATION AS SHOWN ON THESE "AS BUILT" DRAWINGS AND THAT THE MAPPING REPORTS, FINDINGS AS SHOWN AND BY THEM IN THE PROFESSIONAL SURVEYOR AND MAPPER IN CHARGE SUCH AS DIMENSIONS, DURING THE ALL PLATTED DIMENSIONS, TIES PURSUANT TO SECTION 177.091 FLORIDA STATUTES AND THERE ARE NO ENCROACHMENTS TOWARD THE EASEMENTS OR RIGHT OF WAY

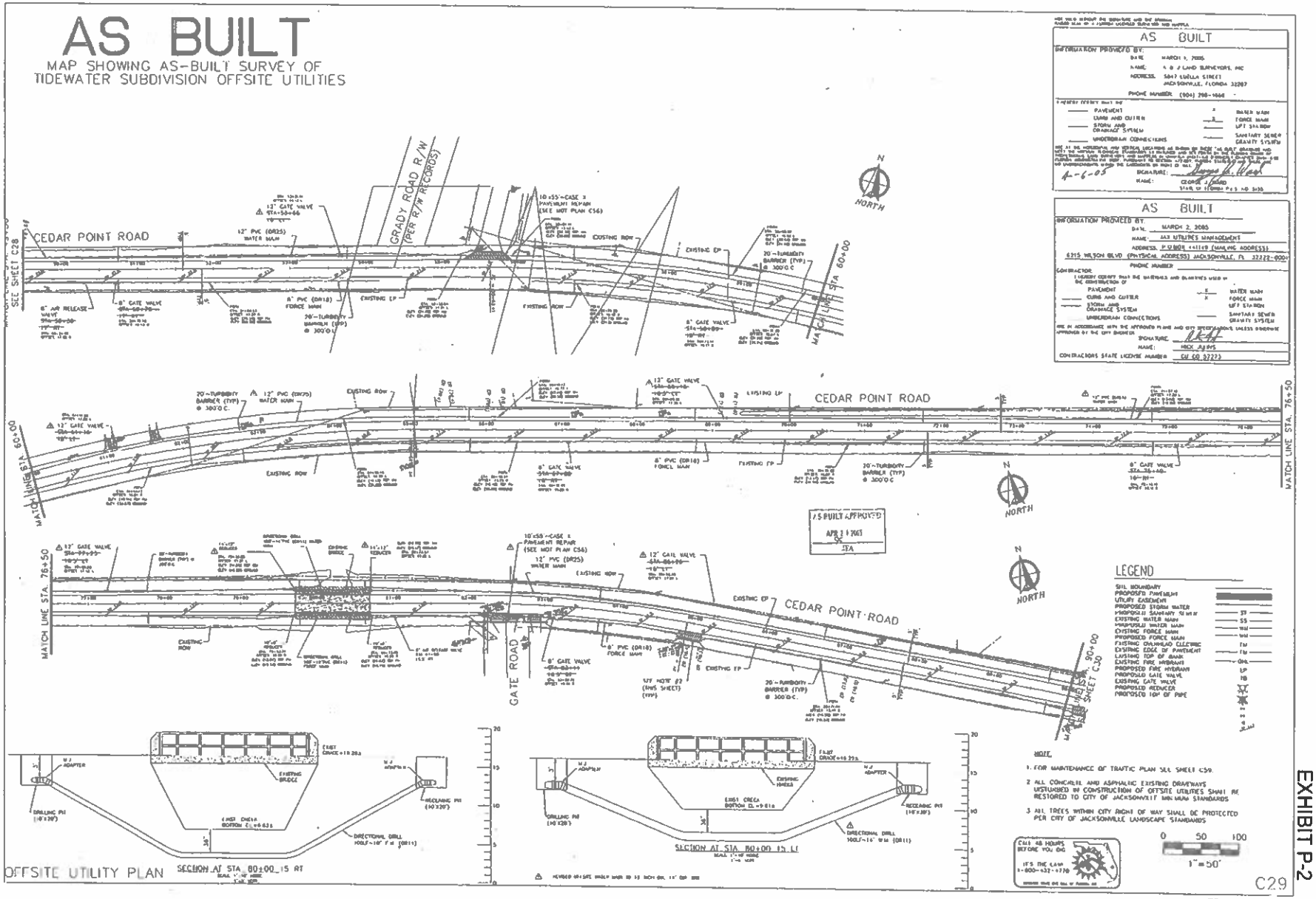
SIGNATURE: [signature]
4-6-05
NAME: GEORGE W. ALLAND
STATE OF FLORIDA P.L.S. NO. 3455

AB-154

EXHIBIT P-2

AS BUILT

MAP SHOWING AS-BUILT SURVEY OF
TIDEWATER SUBDIVISION OFFSITE UTILITIES



AS BUILT

INFORMATION PROVIDED BY:
DATE: MARCH 1, 2005
NAME: G. O. J LAND SURVEYORS, INC
ADDRESS: 5047 SUELLA STREET JACKSONVILLE, FLORIDA 32207
PHONE NUMBER: (904) 398-1666

PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERDRAIN CONNECTIONS
WATER MAIN
FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM

4-6-05
SIGNATURE:
NAME: GEORGE J. GUARD
STATE OF FLORIDA P.S.M. NO 3130

AS BUILT

INFORMATION PROVIDED BY:
DATE: MARCH 2, 2005
NAME: JEA UTILITIES MANAGEMENT
ADDRESS: P.O. BOX 41119 (MAILING ADDRESS)
6215 WILSON BLVD (PHYSICAL ADDRESS) JACKSONVILLE, FL 32222-0001
PHONE NUMBER:

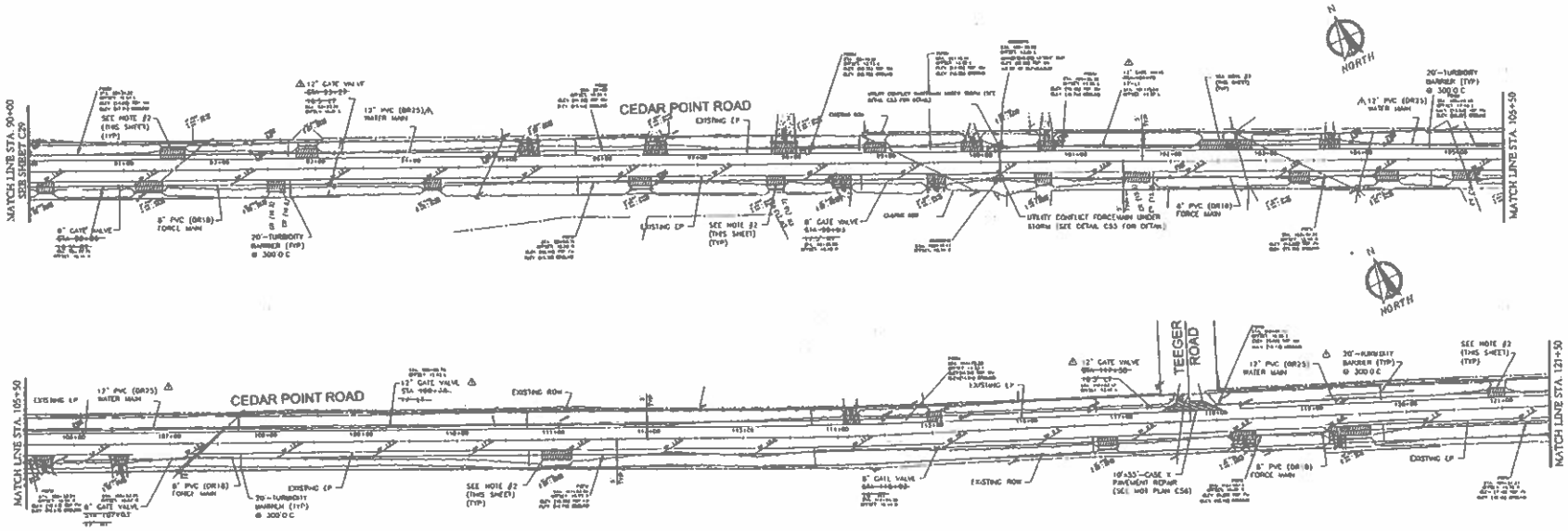
CONTRACTOR:
I HEREBY CERTIFY THAT THE MATERIALS AND QUANTITIES USED IN THE CONSTRUCTION OF
PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERDRAIN CONNECTIONS
WATER MAIN
FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM
ARE IN ACCORDANCE WITH THE APPROVED PLANS AND CITY SPECIFICATIONS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
SIGNATURE:
NAME: MICK AYERS
CONTRACTORS STATE LICENSE NUMBER: CU CG 37223

AS BUILT APPROVED
APR 1 1 2005
JEA

EXHIBIT P-2

AS BUILT

MAP SHOWING AS-BUILT SURVEY OF
TIDEWATER SUBDIVISION OFFSITE UTILITIES



NOTE

1. FOR MAINTENANCE OF TRAFFIC PLAN SEE SHEET C59
2. ALL CONCRETE AND ASPHALTIC EXISTING DRIVEWAYS DISTURBED IN CONSTRUCTION OF OFFSITE UTILITIES SHALL BE RESTORED TO CITY OF JACKSONVILLE MINIMUM STANDARDS.
3. ALL TREES WITHIN CITY RIGHT OF WAY SHALL BE PROTECTED PER CITY OF JACKSONVILLE LANDSCAPE STANDARDS.

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW
1-800-432-4770

0 50 100
1"=50'

AS BUILT

INFORMATION PROVIDED BY
DATE: MARCH 1, 2005
NAME: J & J LAND SURVEYORS INC
ADDRESS: 3041 HARLA STREET JACKSONVILLE, FLORIDA 32207
PHONE NUMBER (904) 398-1886

I HEREBY CLEARY THAT THE
PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERDRAIN CONNECTIONS
WATER MAIN
FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM

4-6-05
SIGNATURE
NAME: GEORGE J. WARD
STATE OF FLORIDA PLS NO 3153

AS BUILT

INFORMATION PROVIDED BY
DATE: MARCH 2, 2005
NAME: JAX UTILITIES MANAGEMENT
ADDRESS: P.O. BOX 441149 (MAILING ADDRESS)
6215 OLD KOLB BLVD (PHYSICAL ADDRESS) JACKSONVILLE, FL 32222-0001
PHONE NUMBER (904) 779-3322

CON FRACTOR
I HEREBY CERTIFY THAT THE MATERIALS AND SERVICES USED BY THE CONTRACTOR OF
PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERDRAIN CONNECTIONS
WATER MAIN
FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM

ARE IN ACCORDANCE WITH THE APPROVED PLANS AND CITY SPECIFICATIONS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER
SIGNATURE:
NAME: RICH JOHNS
CONTRACTORS STATE LICENSE NUMBER: CU CO 37273

AS-BUILT APPROVED
APR 21 2005
JEA

OFFSITE UTILITY PLAN

C30

EXHIBIT P-2

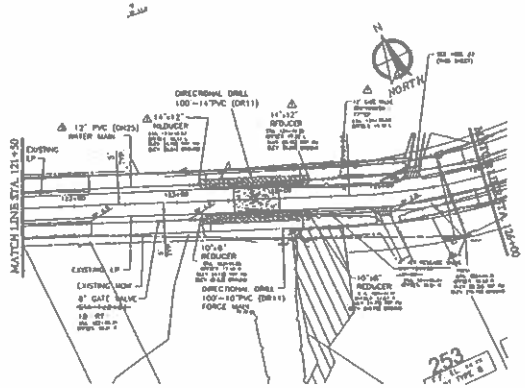
AB-154

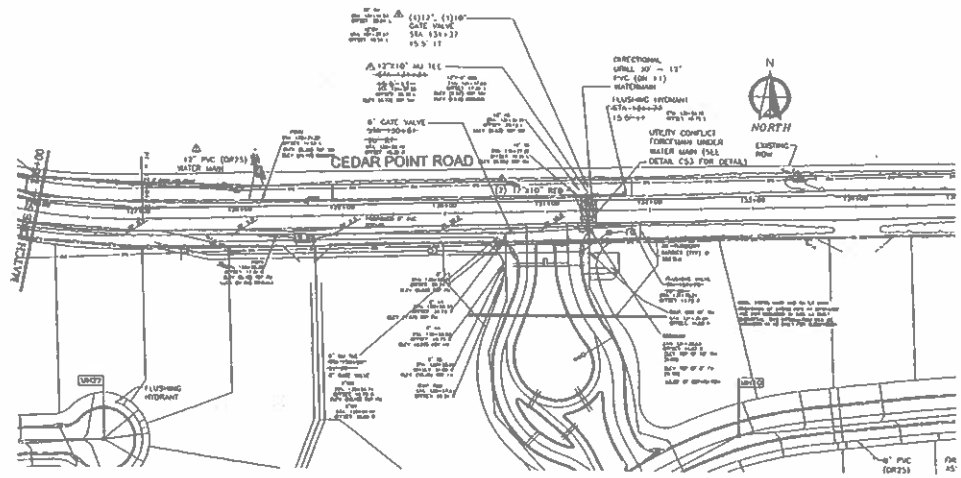
AS BUILT

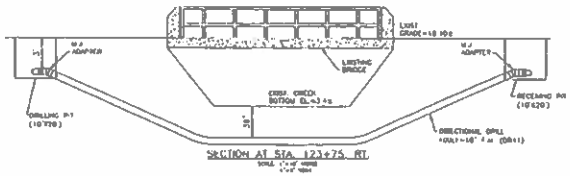
MAP SHOWING AS-BUILT SURVEY OF
TIDEWATER SUBDIVISION OFFSITE UTILITIES

LEGEND

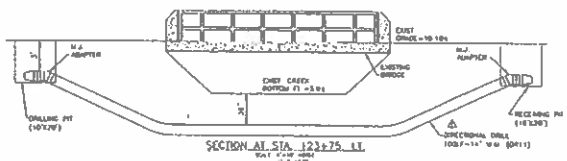
SITE BOUNDARY
PROPOSED PAVEMENT
UTILITY EASEMENT
PROPOSED STORM WATER
PROPOSED SANITARY SEWER — ST —
EXISTING MAIN MAIN — SS —
EXISTING WATER MAIN — WM —
EXISTING FORCE MAIN — FM —
PROPOSED FORCE MAIN — PM —
EXISTING OVERHEAD ELECTRIC — FM —
EXISTING EDGE OF PAVEMENT — FM —
EXISTING TOP OF BANK — OPE —
EXISTING FIRE HYDRANT — LP —
PROPOSED FIRE HYDRANT — TB —
PROPOSED GATE VALVE
EXISTING GATE VALVE
PROPOSED REDUCER
PROPOSED TOP OF PIPE







SECTION AT STA. 123+75, RT.



SECTION AT STA. 123+75, LT.

NOTE:

1. FOR MAINTENANCE OF TRAFFIC PLAN SEE SHEET C59.
2. ALL CONCRETE AND ASPHALTIC EXISTING DRIVEWAYS DISTURBED IN CONSTRUCTION OF OFFSITE UTILITIES SHALL BE RESTORED TO CITY OF JACKSONVILLE MINIMUM STANDARDS.
3. ALL TREES WITHIN CITY RIGHT OF WAY SHALL BE PROTECTED PER CITY OF JACKSONVILLE LANDSCAPE STANDARDS

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW
1-800-432 4770

C30A

OFFSITE UTILITY PLAN

0 50 100
1"=50'

AS BUILT APPROVED
APR 21 2005
JEA

AS BUILT

INFORMATION PROVIDED BY
DATE MARCH 2, 2005
NAME JEA UTILITIES MANAGEMENT
ADDRESS P.O. BOX 41318 (MAILING ADDRESS)
8215 WILSON BLVD. (PHYSICAL ADDRESS) JACKSONVILLE, FL 32211-0001
PHONE NUMBER (904) 379-5352

CONTRACTOR
I HEREBY CERTIFY THAT THE MATERIALS AND CHANGES WERE IN THE CONSTRUCTION OF
PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERGROUND CONNECTIONS
WATER MAIN
FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM
AND IN ACCORDANCE WITH THE APPROVED PLANS AND CITY SPECIFICATIONS WHICH WERE APPROVED BY THE CITY ENGINEER
SIGNATURE
NAME RICK BOWNS
CONTRACTORS STATE LICENSE NUMBER CU CO 27273

AS BUILT

INFORMATION PROVIDED BY
DATE MARCH 1, 2005
NAME A & J LAND SURVEYORS, INC.
ADDRESS 3847 LUELLA STREET JACKSONVILLE, FLORIDA 32207
PHONE NUMBER (904) 398-1066

I HEREBY CERTIFY THAT THE
PAVEMENT
CURB AND GUTTER
STORM AND DRAINAGE SYSTEM
UNDERGROUND CONNECTIONS
WATER MAIN
FORCE MAIN
LIFT STATION
SANITARY SEWER GRAVITY SYSTEM
4-6-05
SIGNATURE
NAME GEORGE E. [illegible]
STATE OF FLORIDA PLS NO 3453

EXHIBIT P-2

AB-154

EXHIBIT P-2

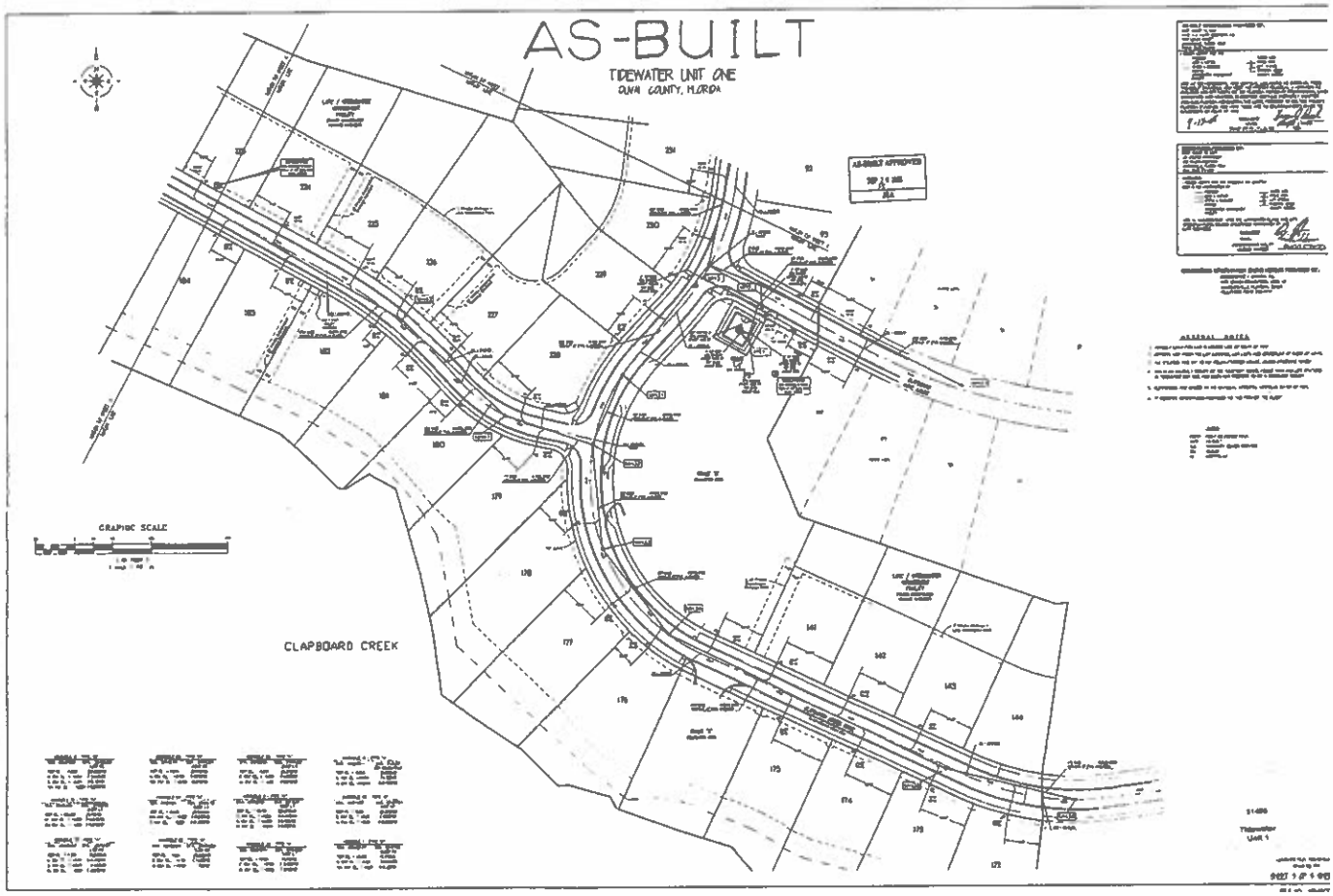


EXHIBIT P-2

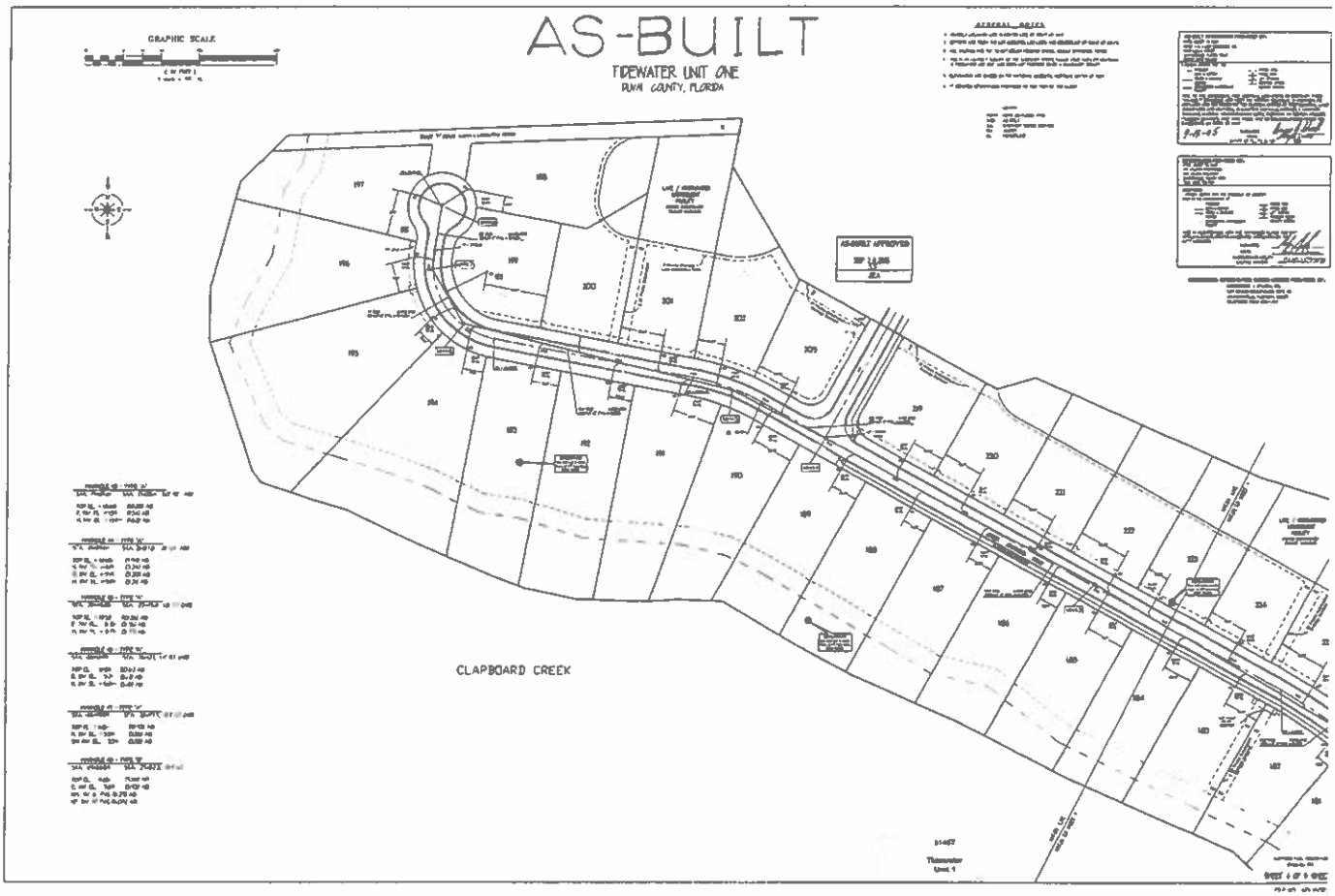
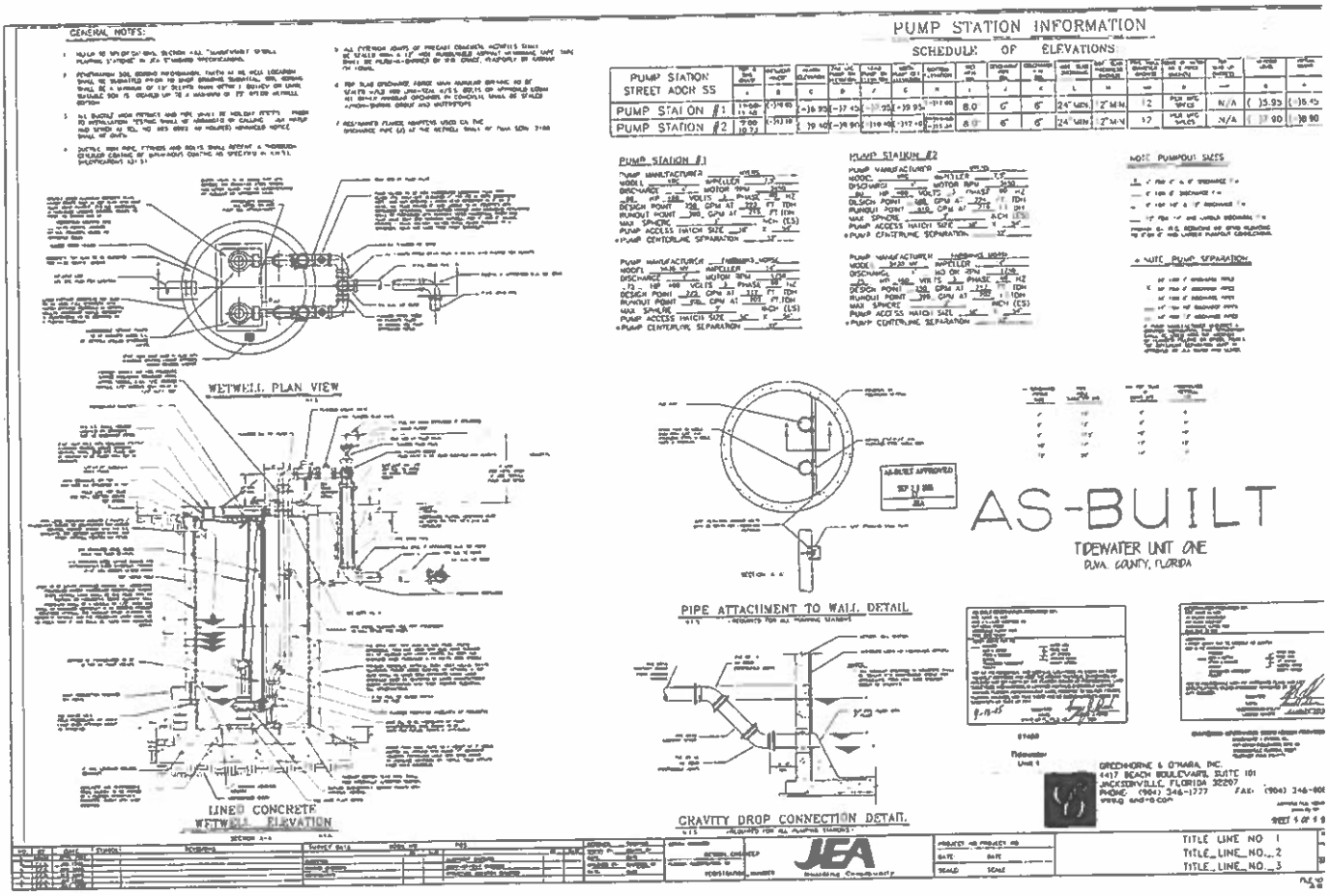

AS-BUILT
TIDEWATER UNIT ONE
PUTNAM COUNTY, FLORIDA
GRAPHIC SCALE
CLAPBOARD CREEK

EXHIBIT P-2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PUMP STATION INFORMATION
SCHEDULE OF ELEVATIONS
PUMP STATION #1
PUMP STATION #2
WETWELL PLAN VIEW
LINED CONCRETE WETWELL ELEVATION
PIPE ATTACHMENT TO WALL DETAIL
GRAVITY DROP CONNECTION DETAIL
AS-BUILT
TIDEWATER UNIT ONE
DUVAL COUNTY, FLORIDA
GREENHORNE & O'MARA, INC.
JEA

EXHIBIT P-2

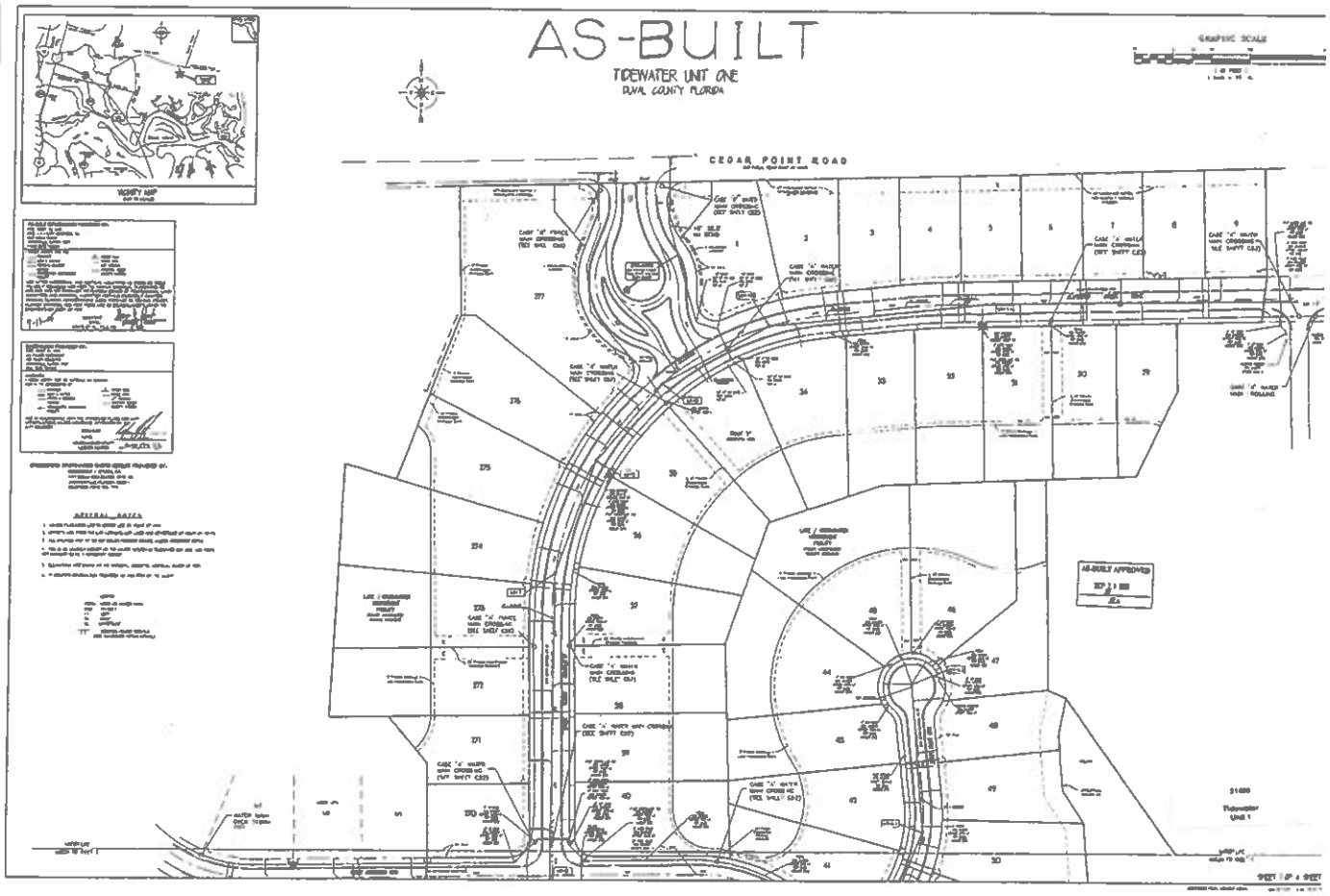
AS-BUILT
TIDEWATER UNIT ONE
DUVAL COUNTY FLORIDA
CEDAR POINT ROAD
GRAPHIC SCALE
VICINITY MAP
AS-BUILT APPROVED

EXHIBIT P-2

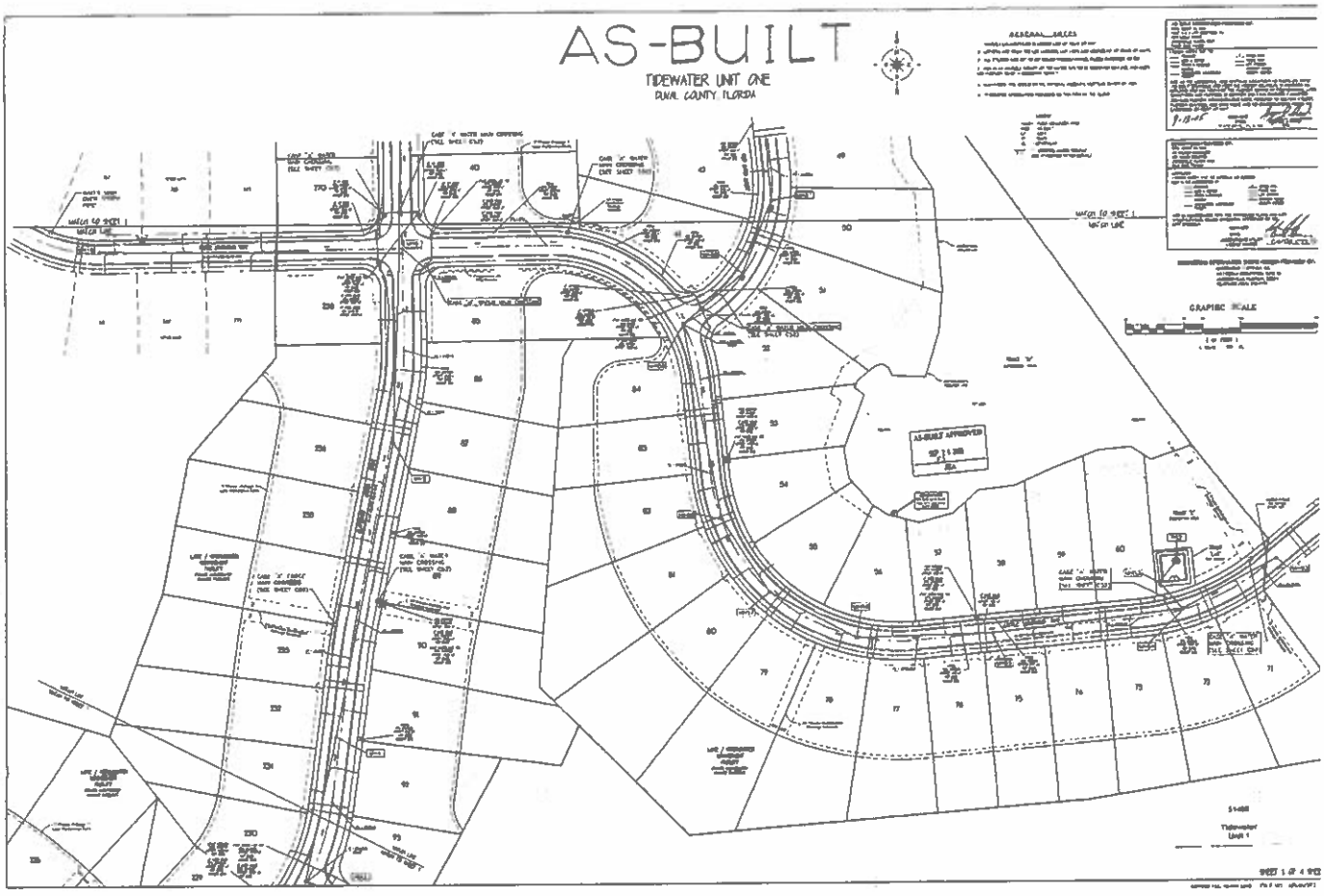
AS-BUILT
TIDEWATER UNIT ONE
DUVAL COUNTY, FLORIDA
GENERAL NOTES
GRAPHIC SCALE
AS-BUILT APPROVED

EXHIBIT P-2

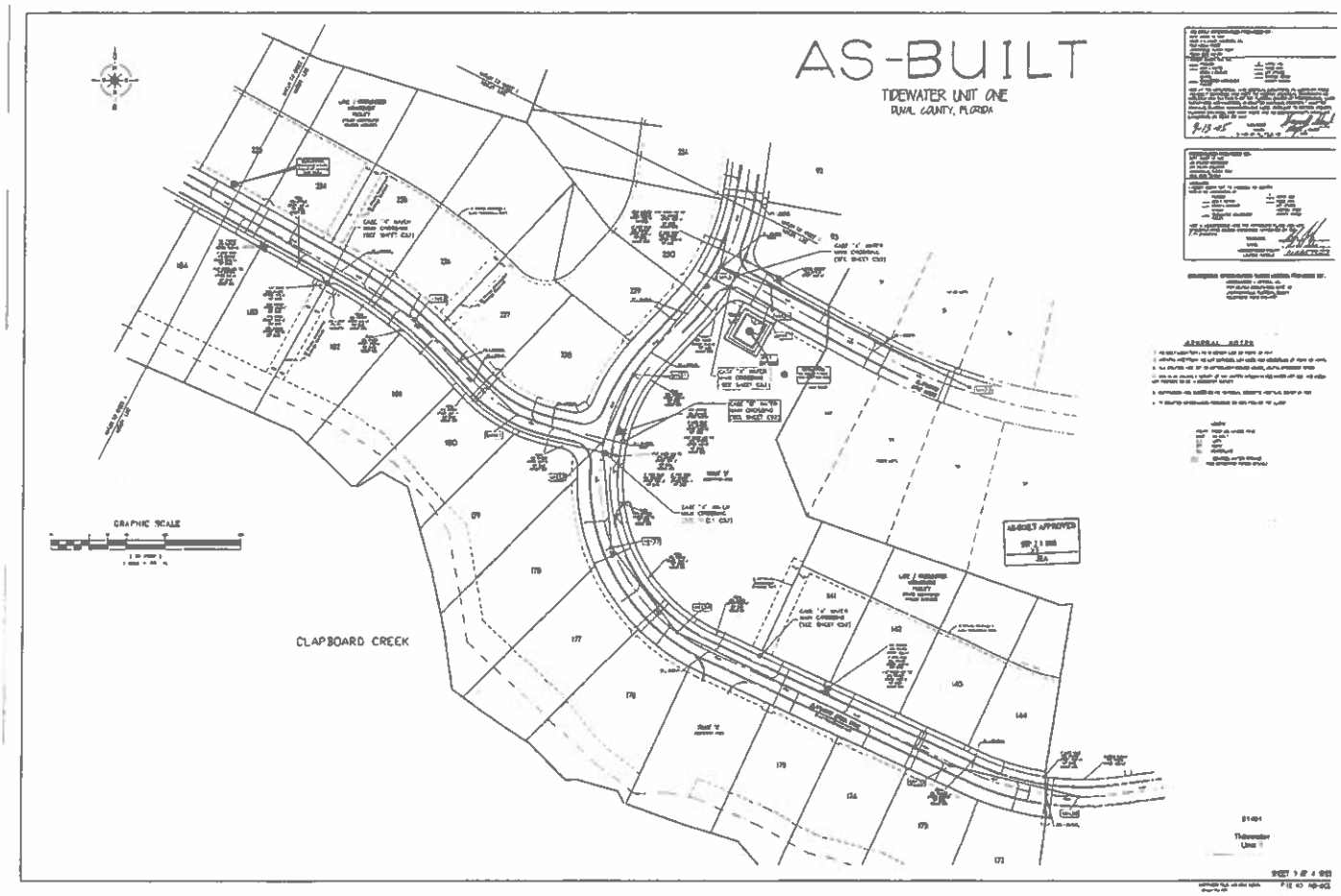
AS-BUILT
TIDEWATER UNIT ONE
DUVAL COUNTY, FLORIDA
GRAPHIC SCALE
CLAPBOARD CREEK

EXHIBIT P-2

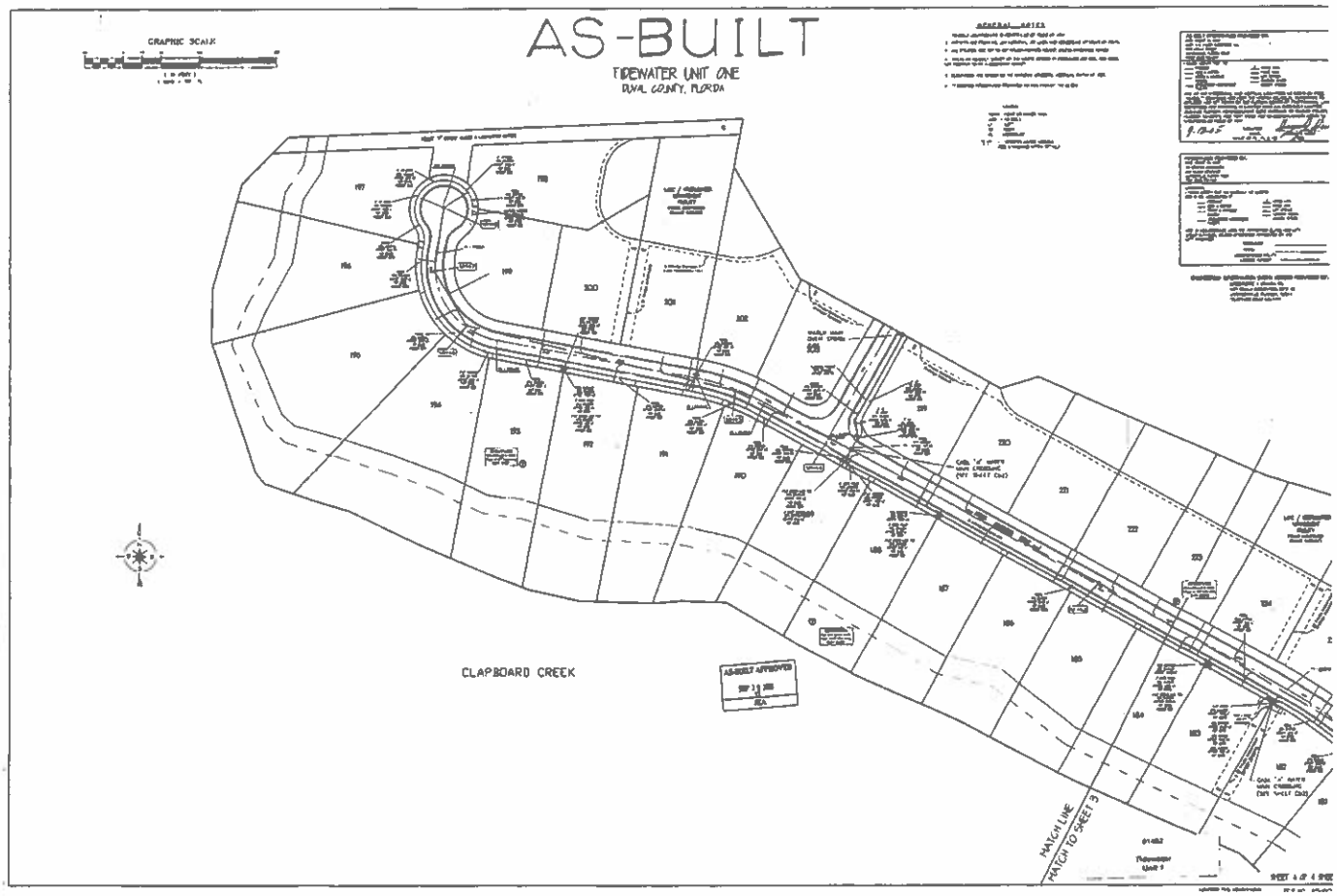
AS-BUILT
TIDEWATER UNIT ONE
DUVAL COUNTY, FLORIDA
GRAPHIC SCALE
CLAPBOARD CREEK
MATCH LINE
MATCH TO SHEET 3

EXHIBIT P-2

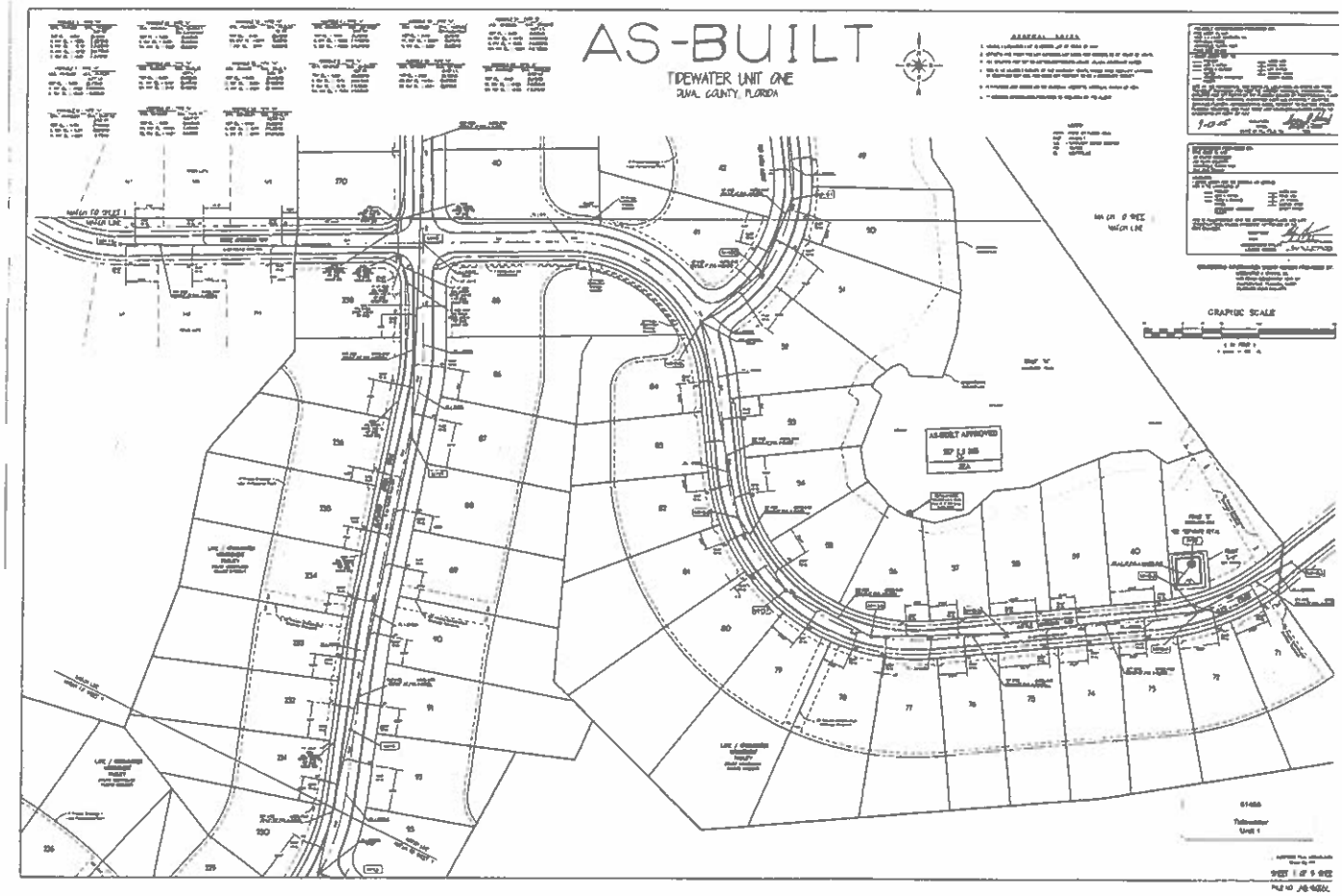
AS-BUILT
TIDEWATER UNIT ONE
DUVAL COUNTY, FLORIDA
GENERAL NOTES
GRAPHIC SCALE
AS-BUILT APPROVED

Exhibit 8

Rezoning Information

Williams, Maria

From: Lewis, Bruce
Sent: Wednesday, March 22, 2023 8:44 AM
To: Williams, Maria
Cc: Huxford, Folks; Hetzel, Andrew; Riska, Steven; Lesniak, Michael
Subject: RE: Fire Station 76 -- REZONING - RE # 159845 0000

This is Ordinance 2023-128. The hearing schedule is Planning Commission - 3/23, City Council – 3/28, Land Use & Zoning – 4/4, City Council final vote – 4/11.
You are welcome to attend the meetings and speak.

Bruce E. Lewis
City Planner Supervisor | Current Planning Division
City of Jacksonville | Planning & Development Department
214 North Hogan Street, Suite 300
Jacksonville, Florida 32202
(904) 255-7820
www.COJ.net

From: Williams, Maria <MariaCW@coj.net>
Sent: Wednesday, March 22, 2023 8:29 AM
To: Lewis, Bruce <BLewis@coj.net>
Cc: Huxford, Folks <FHUXFORD@coj.net>; Hetzel, Andrew <AHetzel@coj.net>; Riska, Steven <SRiska@coj.net>; Lesniak, Michael <MLesniak@coj.net>
Subject: RE: Fire Station 76 -- REZONING - RE # 159845 0000

Bruce,

Could you please let me know the FS 76 rezoning status?

Thanks so much, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Williams, Maria
Sent: Monday, January 30, 2023 5:41 PM
To: Lewis, Bruce <BLewis@coj.net>
Cc: Huxford, Folks (FHUXFORD@coj.net) <FHUXFORD@coj.net>; Hetzel, Andrew <AHetzel@coj.net>; Riska, Steven <SRiska@coj.net>
Subject: Fire Station 76 -- REZONING - RE # 159845 0000

EXHIBIT 9

Sign for the Duration of the Project Only

The DBF shall provide one (1) on-site construction sign, which shall be displayed for the duration of the project. The construction sign shall use the following template:

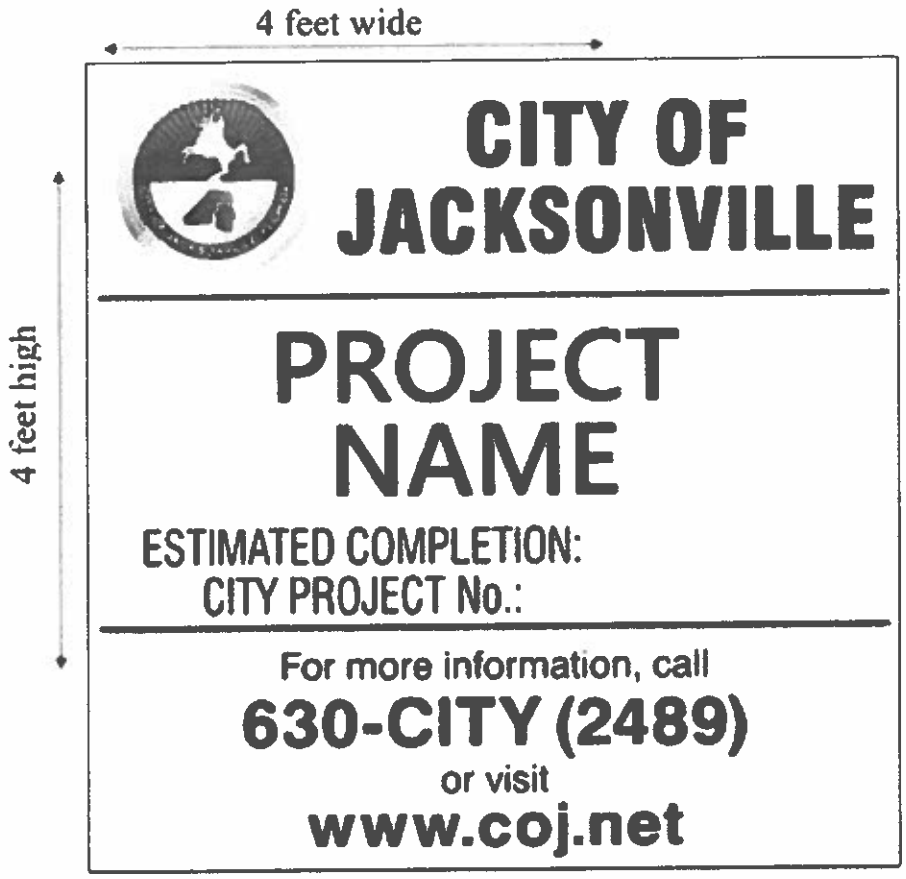

EXHIBIT 10

Topographical Survey

EXHIBIT P-2

Williams, Maria

From: Williams, Maria
Sent: Wednesday, December 21, 2022 6:50 PM
To: Lesniak, Michael; Riska, Steven
Cc: Josh Sowards
Subject: FS 76 Survey
Attachments: FS 76; Survey 122122-Layout1.pdf

We received the survey plan today. Please see attachment. Thanks, Maria

Williams, Maria

From: Williams, Maria
Sent: Wednesday, January 25, 2023 4:59 PM
To: Josh Sowards
Cc: Lesniak, Michael; Smith, Robin; Chris Blank; Riska, Steven
Subject: RE: COJ DB - Temporary Fire Station 76 - Design
Attachments: FS 76 Survey; FS76 REVISED.dwg

Josh,

Attached is the topographical and tree survey. The tree survey plan shows only protected trees. My conceptual design doesn't impact any protected tree. Therefore, tree mitigation is not required for the temporary fire station # 76.

I don't see any wetlands within this site. There is a ditch that will not be impacted by the temporary fire station. I'll send you on Friday the design plans we have so far.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Josh Sowards <joshs@JBCoxwell.com>
Sent: Wednesday, January 25, 2023 2:09 PM
To: Williams, Maria <MariaCW@coj.net>
Cc: Lesniak, Michael <MLesniak@coj.net>; Smith, Robin <RobinSmith@coj.net>; Chris Blank <ChrisB@jbcoxwell.com>
Subject: RE: COJ DB - Temporary Fire Station 76 - Design

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.

Maria,

A few more questions regarding design:
Do you have a full survey including tree survey?
Is there going to be tree mitigation for the temporary fire station? If so, fees by COJ.
Please provide small package pump station design criteria for permanent fire station.
Do we need to design electrical service?

Once again where do you stand with wetland delineation and SJRWMD permit for temporary fire station. This is the longest lead time item that could take up to 90 days all in itself between delineation of wetland and actual permit after delineation.

Williams, Maria

From: Cooler, Samuel
Sent: Friday, March 10, 2023 6:59 AM
To: Williams, Maria; Nick E. Mousa (n.mousa@gaiconsultants.com)
Cc: Reed, Nikita; Smith, Robin
Subject: RE: COJ DB - Temporary Fire Station 76 - Design

Yes, we only located protected trees measured at breast height per code.

Sincerely,

Samuel C. Cooler, PSM
City of Jacksonville
Engineering Division
(904)255-8732

From: Williams, Maria <MariaCW@coj.net>
Sent: Thursday, March 9, 2023 6:36 PM
To: Nick E. Mousa (n.mousa@gaiconsultants.com) <n.mousa@gaiconsultants.com>
Cc: Reed, Nikita <NReed@coj.net>; Smith, Robin <RobinSmith@coj.net>; Cooler, Samuel <SCooler@coj.net>
Subject: FW: COJ DB - Temporary Fire Station 76 - Design

Nick, attached is the tree survey. There are no protected trees to be mitigated for the temporary Fire Station.

Sam, Could you please confirm that the trees show are the only protected trees for this parcel.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Williams, Maria
Sent: Wednesday, January 25, 2023 4:22 PM
To: Josh Sowards <joshs@JBCoxwell.com>
Cc: Lesniak, Michael <MLesniak@coj.net>; Smith, Robin <RobinSmith@coj.net>; Chris Blank <ChrisB@jbcoxwell.com>; Riska, Steven <SRiska@coj.net>
Subject: RE: COJ DB - Temporary Fire Station 76 - Design

Josh,

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Thanks, Maria

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Jacksonville, FL 32202
Office Phone: (904) 255-8789
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Sent: Wednesday, January 25, 2023 2:09 PM
To: Williams, Maria <MariaCW@coj.net>
Cc: Lesniak, Michael <MLesniak@coj.net>; Smith, Robin <RobinSmith@coj.net>; Chris Blank <ChrisB@jbcoxwell.com>
Subject: RE: COJ DB - Temporary Fire Station 76 - Design

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Maria,

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Is there going to be tree mitigation for the temporary fire station? If so, fees by COJ.
Please provide small package pump station design criteria for permanent fire station.
Do we need to design electrical service?

Once again where do you stand with wetland delineation and SJRWMD permit for temporary fire station. This is the longest lead time item that could take up to 90 days all in itself between delineation of wetland and actual permit after delineation.

Thanks,

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

EXHIBIT 12

General information

(including Permit B19-211960: 40' x 40' Metal Building)

Williams, Maria

From: Williams, Maria
Sent: Tuesday, February 7, 2023 5:35 PM
To: Josh Sowards
Cc: Riska, Steven; Lesniak, Michael; Smith, Robin; Reed, Nikita; Williams, Will
Subject: RE: Temp FS76
Attachments: 02-06-23 SET.pdf; ON SITE SEWER LINES_Specification.pdf; PRIVATE PUMP STATION STANDARD DETAILS.pdf

Josh,

Attached are the latest plans. All the plans are ready to be submitted for the 10-set review, with exception of the grading plan and the utility plan. I started the utility plan to help to minimize time needed to complete this plan. The utility plan needs to be finalized by the DBT and the JEA permits obtained. The same applies to the pond and the SJRWMD permit. I already talked about this project with SJRWMD. The pond permit submittal needs to be sent to Pierre Alexandre. Also, I have the contact person for wetland information. I called him today and he was out of the office. I'll contact him again tomorrow, and we don't have a prompt response we'll proceed with the officially investigation by an environmental engineer as you requested.

The pump station standard details and the specifications for the permanent fire station are also attached. I'll like to talk with you tomorrow about pond/swales location to finalize the grading plan.

Please let me know if you need additional information.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Josh Sowards <joshs@JBCoxwell.com>
Sent: Thursday, February 2, 2023 3:34 PM
To: Williams, Maria <MariaCW@coj.net>
Cc: Riska, Steven <SRiska@coj.net>; Lesniak, Michael <MLesniak@coj.net>; Smith, Robin <RobinSmith@coj.net>; Reed, Nikita <NReed@coj.net>; Williams, Will <WillW@coj.net>
Subject: RE: Temp FS76

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.

Previous Questions submitted that would help the process:

Williams, Maria

From: Williams, Maria
Sent: Tuesday, February 28, 2023 6:11 PM
To: Josh Sowards
Cc: Lesniak, Michael; Smith, Robin
Subject: RE: Temporary Fire Station # 76
Attachments: RE: Temp FS76

Josh,

My understandings from our phone conversation this morning, is that GAI will obtain the environmental report stating the presence and location of wetlands and they'll submit the stormwater plans/calculations to SJRWMD for their permit. Also, all other permits will be submitted by your Design Build team. I can send you all of any of the attached plans, signed & sealed or AutoCAD files if you need them. Let me know if you want the city to request the soil borings from our annual vendor (Meskel).

On another issue, as you are aware we have funding for the design completion. Please submit the design completion GMP or what was your final conversation with Robin related to some of the issues stated.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Williams, Maria
Sent: Thursday, February 23, 2023 11:08 AM
To: Josh Sowards <joshs@JBCoxwell.com>
Cc: Lesniak, Michael <MLesniak@coj.net>
Subject: RE: Temporary Fire Station # 76

Josh, Please include it as part of the design build contract.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

Has SJRWMD been contacted about this project regarding a permit for the temporary fire station? Has the site been officially investigated by an environmental engineer for wetlands. It is my understanding that this is a requirement for this project. Please advise if this is not the case.
Do you have the small package pump station design criteria for the permanent fire station you can provide?

Can you send your latest plans?

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

From: Williams, Maria <MariaCW@coj.net>
Sent: Tuesday, January 31, 2023 9:30 AM
To: Lesniak, Michael <MLesniak@coj.net>; Josh Sowards <joshs@JBCoxwell.com>; Williams, Will <WillW@coj.net>; Smith, Robin <RobinSmith@coj.net>; Reed, Nikita <NReed@coj.net>
Cc: Riska, Steven <SRiska@coj.net>
Subject: RE: Temp FS76

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.

Chief Lesniak,

Robin and Will asked me to send the plans to Coxwell, so they can complete the design. I was cleaning up the plans a little last Friday and yesterday, and I'll send the plans to Coxwell today. They have the 30% plans provided to them last October.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

EXHIBIT P-2

From: Lesniak, Michael <MLesniak@coj.net>
Sent: Tuesday, January 31, 2023 9:05 AM
To: Josh Sowards <joshs@jbcoxwell.com>; Williams, Maria <MariaCW@coj.net>; Williams, Will <WillW@coj.net>; Smith, Robin <RobinSmith@coj.net>; Reed, Nikita <NReed@coj.net>
Cc: Riska, Steven <SRiska@coj.net>
Subject: Temp FS76

To all concerned,
In an effort to expedite and maintain fiscal responsibility can you please advise what can be done to facilitate the process for temporary fire station 76? I have been tasked with making every effort to have this temp station opened by July 1st. (2023)

Mrs. Maria has agreed to start the rezoning process. We still need to make accommodations for tree removal, any associated permitting paperwork prior to the start of sitework and finalization of contract/contractor.

I look forward to everyone's response on this matter. Your assistance is greatly appreciated.

Sincerely,
Michael Lesniak
Deputy Operations Chief
Jacksonville Fire Rescue Department
515 Julia St.
Jacksonville., FL 32202
mlesniak@coj.net
work (904) 255-3311
cell (904) 237-7790

Williams, Maria

From: Williams, Maria
Sent: Wednesday, November 30, 2022 1:43 PM
To: Lesniak, Michael; Josh Sowards
Cc: Riska, Steven
Subject: RE: Temporary Fire Station 76 (Cedar Point Road) - Request for Information

Josh,

Please advise if the manufacturer of the metal building marked on the temporary FS 63 plans all items that changed from the 2017 code to the 2020 FBC 7th edition. As indicated in the email below, based on the changes indicated, the building permit department will know what needs to be submitted for the temporary FS 76 permit.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Lesniak, Michael <MLesniak@coj.net>
Sent: Wednesday, November 30, 2022 10:49 AM
To: Josh Sowards <joshs@jbcoxwell.com>; Williams, Maria <MariaCW@coj.net>
Subject: FW: Temporary Fire Station 76 (Cedar Point Road) - Request for Information

Is there an update on these plans?
Mike Lesniak

From: Riska, Steven <SRiska@coj.net>
Sent: Wednesday, November 30, 2022 10:41 AM
To: Lesniak, Michael <MLesniak@coj.net>
Subject: FW: Temporary Fire Station 76 (Cedar Point Road) - Request for Information

From: Williams, Maria <MariaCW@coj.net>
Sent: Tuesday, November 15, 2022 1:40 PM
To: Josh Sowards <joshs@JBCoxwell.com>
Cc: Lesniak, Michael <MLesniak@coj.net>; Chris Blank <ChrisB@jbcoxwell.com>; Mike Spence <mikes@JBCoxwell.com>; Riska, Steven <SRiska@coj.net>; Rosenblatt, Sandy <SRosen@coj.net>
Subject: RE: Temporary Fire Station 76 (Cedar Point Road) - Request for Information

Josh,

Attached are the permitted plans for the 40' x 40' Temporary Fire Station # 63 building. In addition to the note referring to the 2017 FBC, 6th Edition, instead of 2020 FBC, 7th Edition, could you please ask the manufacturer of the metal

building to mark on the plans (in red if possible) all items that changed from the 2017 code to the 2020 FBC 7th edition. Based in his response, the building permit department will know what needs to be submitted for the permit.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Josh Sowards <joshs@JBCoxwell.com>
Sent: Tuesday, November 8, 2022 10:56 AM
To: Groff, James <JGroff@coj.net>
Cc: Williams, Maria <MariaCW@coj.net>; Lesniak, Michael <MLesniak@coj.net>; Chris Blank <ChrisB@jbcoxwell.com>; Mike Spence <mikes@JBCoxwell.com>
Subject: Temporary Fire Station 76 (Cedar Point Road) - Request for Information

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.

Mr. Groff,

We have a Design Build Contract for the City of Jacksonville with the Public Works Department, and we were recently approached regarding building a Temporary Fire Station on Cedar Point Road for proposed Fire Station #76. The question that was asked was if we could relocate a previous temporary facility we built on Gate Parkway for Fire Station #63. We installed a trailer and a 40 ft. x 40 ft. metal building.

The question I have for you is can we relocate the metal building for a temporary use while the new one is being built? Unfortunately, the 40 ft. x 40 ft. building was built several years ago per 2014 FBC 5th Edition and the current building Code is 2020 FBC 7th Edition.

Is there any scenario where this can be relocated and used temporarily while the new one is being built? It is being used to store the Fire Engines. I have attached the structural drawings from the previous installation if it helps. From what I understand after speaking to the manufacturer of the metal building it would not meet current standards, but I have not yet looked into the full details.

If for some reason these questions should be sent to someone else, please advise me who that may be. Your help in this matter is greatly appreciated in advance.

Thanks,

Josh Sowards
J. B. Coxwell Contracting, Inc.
6741 Lloyd Road
Jacksonville, FL 32254
904-495-3903 (Cell)
904-421-4535 (Office)

904-783-2970 (Fax)
joshs@jbcoxwell.com

J.B. COXWELL CONTRACTING
INCORPORATED

Williams, Maria

From: Williams, Maria
Sent: Tuesday, November 15, 2022 1:40 PM
To: Josh Sowards
Cc: Lesniak, Michael; Chris Blank; Mike Spence; Riska, Steven; Rosenblatt, Sandy
Subject: RE: Temporary Fire Station 76 (Cedar Point Road) - Request for Information
Attachments: BUILDING PLANS-SMALL - 8-5-2019 - B19211960.000.pdf

Josh,

Attached are the permitted plans for the 40' x 40' Temporary Fire Station # 63 building. In addition to the note referring to the 2017 FBC, 6th Edition, instead of 2020 FBC, 7th Edition, could you please ask the manufacturer of the metal building to mark on the plans (in red if possible) all items that changed from the 2017 code to the 2020 FBC 7th edition. Based in his response, the building permit department will know what needs to be submitted for the permit.

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2017 FBC, 6th Edition

★ Permit obtained on 2019 ★

Williams, Maria

From:	Williams, Maria
Sent:	Tuesday, February 7, 2023 5:35 PM
To:	Josh Sowards
Cc:	Riska, Steven; Lesniak, Michael; Smith, Robin; Reed, Nikita; Williams, Will
Subject:	RE: Temp FS76
Attachments:	02-06-23 SET.pdf; ON SITE SEWER LINES_Specification.pdf; PRIVATE PUMP STATION STANDARD DETAILS.pdf

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Please let me know if you need additional information.

Thanks, Maria

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Sent: Thursday, February 2, 2023 3:34 PM
To: Williams, Maria <MariaCW@coj.net>
Cc: Riska, Steven <SRiska@coj.net>; Lesniak, Michael <MLesniak@coj.net>; Smith, Robin <RobinSmith@coj.net>; Reed, Nikita <NReed@coj.net>; Williams, Will <WillW@coj.net>
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To: Josh Sowards
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Attachments: RE: Temp FS76

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From: Williams, Maria
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To: Josh Sowards <joshs@JBCoxwell.com>
Cc: Lesniak, Michael <MLesniak@coj.net>
Subject: RE: Temporary Fire Station # 76

Josh, Please include it as part of the design build contract.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

New Fire Station 47
4727 Lannie Road, Jacksonville, FL 32218

ENB Project No. 21047

SECTION 02970 - ON SITE SEWER LINES

PART I - GENERAL

1.01 DESCRIPTION

A. The General Requirements, Section 100, are hereby made a part of this section as if fully repeated herein.

B. The City Standard Specifications are hereby made a part of this section and are fully repeated herein. If there are any discrepancies, the more stringent specification shall take precedence.

C. Work Included:

1. The sewer line extension beginning at a point 5 feet outside the buildings to the point of connection at the pump station (dosing tank) and as shown on the plans.
2. Trenching and backfilling.
3. Cleanouts.
4. Flushing of sewer lines.

D. Related Work Specified Elsewhere:

1. Site clearing: Site Clearing & Earthwork - 02210
2. Water lines: On Site Water Lines – 02960
3. Pump Station: Submersible Wastewater Pumping Station - 02440

1.02 JOB CONDITIONS AND QUALITY ASSURANCE

A. Unusual Conditions: Should any unusual conditions arise, the Engineer shall be contacted for instructions prior to continuation of the construction work.

B. General: All work included in this section shall be in accordance with the appropriate standards of the County of Duval.

C. Permits, Fees and Other Charges: The subcontractor shall obtain the permit for his work. He shall prepare all documents and obtain required certificates of inspection for his work and deliver same to the Engineer. (General Contractor shall pay sewage tap fee and other related connection charges). Any pollution charges shall be paid by General Contractor.

1.03 GUARANTEE

A. This Subcontractor shall guarantee the work included in this section for a period of one (1) year from date of final acceptance.

PART II - PRODUCTS

A. Pipe: Shall comply with the requirements of local ordinances.

1. Polyvinyl Chloride (PVC) Pipe: PVC pipe and fittings 2 to 5 inches in diameter, shall conform to the requirements of ASTM Specifications D 3034. Solvent joint cement shall comply with ASTM Specification D-2564.

2. PVC pipe and fittings, 6 to 12 inches, PVC pipe SDR35 and fittings shall conform to the requirements of ASTM Specification D 3034.
3. Cement for solvent cement joints shall meet the requirements of ASTM Specification D-2564.

PART III - EXECUTION

3.01 PREPARATION

A. Establishment of Grades and Alignment: Grades and alignment shall be established by the Subcontractor. Allowance shall be made for existing improvements proper drainage, adjoining property rights, good appearance and other pertinent considerations.

3.02 PROCEDURE

A. Sewer Lines: All sewer lines shall be constructed to the dimensions and elevations indicated on the drawings. Trenches shall be excavated to a width of two times the outside diameter of the pipe. Machine excavation shall be to a depth of 1/3 of each pipe. Each section of pipe shall be inspected for defects prior to being lowered into the trench.

1. The inside of each bell and the outside of each spigot shall be thoroughly cleaned of all matter of every description prior to lowering pipe into the trench and prior to making the joint. All sewer lines shall be constructed with the spigot ends pointing the direction of flow. Both the bell and the spigot of each joint shall be lubricated with the lubricant-adhesive recommended by the pipe manufacturer. All sewer lines shall be cleaned of all foreign matter as construction progresses, and shall be left in a clean condition upon completion of all construction operations.

B. Service Lines: Wye branches and 1/8 bends shall be provided as shown on the drawings.

3.03 INSPECTIONS

A. Each section of the completed sewer system shall be inspected for proper alignment. Upon completion, each section of sewer line shall show a full circle of light when lamped between manholes. Inspection shall consist of "lamping" from manhole to manhole. Any section of the sewer system that does not display true, concentric alignment shall be re-laid at no additional expense.

3.04 TESTS

A. Each section of the completed force main system shall be tested for infiltration. Infiltration between any 2 adjacent manholes or lift stations shall not exceed 300 gallons per inch diameter per mile of sewer per 24 hours. Test shall be conducted by plugging the outlet of the lower manhole and the inlet of the upper manhole, and by filling with water the section to a level 2 feet above the highest elevation of the force main or to a level 2 feet above the existing ground water table, whichever is higher. Measurement of the amount of water necessary to maintain the level during the test period will be utilized to determine compliance with this specification. Unsatisfactory sections shall be repaired or rebuilt as directed at the expense of the Subcontractor.

3.05 CERTIFICATION

A. Following installation and testing, the sewer main shall be pressure flushed. Flushing certification shall be submitted to the Engineer prior to request for final payment.

B. Results of the pressure test shall be submitted to the Engineer prior to request for final payment.

(END OF SECTION 02970)

EXHIBIT P-2

Williams, Maria

From: Williams, Maria
Sent: Tuesday, January 31, 2023 9:30 AM
To: Lesniak, Michael; Josh Sowards; Williams, Will; Smith, Robin; Reed, Nikita
Cc: Riska, Steven
Subject: RE: Temp FS76

Chief Lesniak,

Robin and Will asked me to send the plans to Coxwell, so they can complete the design. I was cleaning up the plans a little last Friday and yesterday, and I'll send the plans to Coxwell today. They have the 30% plans provided to them last October.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Lesniak, Michael <MLesniak@coj.net>
Sent: Tuesday, January 31, 2023 9:05 AM
To: Josh Sowards <joshs@jbcoxwell.com>; Williams, Maria <MariaCW@coj.net>; Williams, Will <WillW@coj.net>; Smith, Robin <RobinSmith@coj.net>; Reed, Nikita <NReed@coj.net>
Cc: Riska, Steven <SRiska@coj.net>
Subject: Temp FS76

To all concerned,
In an effort to expedite and maintain fiscal responsibility can you please advise what can be done to facilitate the process for temporary fire station 76? I have been tasked with making every effort to have this temp station opened by July 1st. (2023)

Mrs. Maria has agreed to start the rezoning process. We still need to make accommodations for tree removal, any associated permitting paperwork prior to the start of sitework and finalization of contract/contractor.

I look forward to everyone's response on this matter. Your assistance is greatly appreciated.

Sincerely,
Michael Lesniak
Deputy Operations Chief
Jacksonville Fire Rescue Department
515 Julia St.
Jacksonville., FL 32202
mlesniak@coj.net

Williams, Maria

From: Williams, Maria
Sent: Friday, March 3, 2023 12:36 PM
To: Josh Sowards
Cc: Riska, Steven; Lesniak, Michael
Subject: RE: Temp FS76

Josh,

What is the status of the design GMP to complete the design? Please advise.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Williams, Maria
Sent: Tuesday, January 31, 2023 9:30 AM
To: Lesniak, Michael <MLesniak@coj.net>; Josh Sowards <joshs@jbcoxwell.com>; Williams, Will <WillW@coj.net>; Smith, Robin <RobinSmith@coj.net>; Reed, Nikita <NReed@coj.net>
Cc: Riska, Steven <SRiska@coj.net>
Subject: RE: Temp FS76

Chief Lesniak,

Robin and Will asked me to send the plans to Coxwell, so they can complete the design. I was cleaning up the plans a little last Friday and yesterday, and I'll send the plans to Coxwell today. They have the 30% plans provided to them last October.

Thanks, Maria

Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street - 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

From: Lesniak, Michael <MLesniak@coj.net>
Sent: Tuesday, January 31, 2023 9:05 AM

To: Josh Sowards <joshs@jbcoxwell.com>; Williams, Maria <MariaCW@coj.net>; Williams, Will <WillW@coj.net>; Smith, Robin <RobinSmith@coj.net>; Reed, Nikita <NReed@coj.net>
Cc: Riska, Steven <SRiska@coj.net>
Subject: Temp FS76

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Sincerely,
Michael Lesniak
Deputy Operations Chief
Jacksonville Fire Rescue Department
515 Julia St.
Jacksonville., FL 32202
mlesniak@coj.net
work (904) 255-3311
cell (904) 237-7790

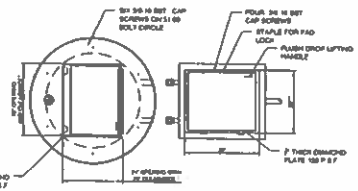
EXHIBIT P-2

PUMP INFORMATION

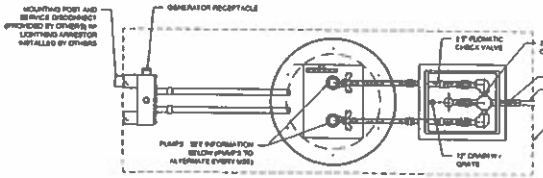
PUMP MANUFACTURER CHAMPION
PUMP MODEL CP6006
IMPELLER DIAMETER 5.5"
HP 3
VOLTAGE 240V 3 PHASE

* PUMP STATION SUPPLIER MAY CHANGE HATCH DIMENSIONS TO ACCOMMODATE PUMP SELECTION AS NEEDED FOR PUMP INSTALLATION/EXTRACTION

* PUMP STATION SUPPLIER MAY CHANGE VALVE BOX DIMENSIONS TO ACCOMMODATE PIPE AND FITTINGS



WET WELL AND VALVE BOX PLAN
NOT TO SCALE



WET WELL AND VALVE BOX PLAN
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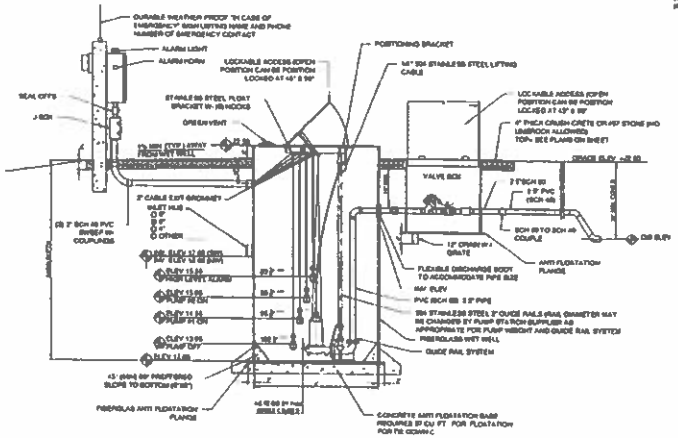


WET WELL AND VALVE BOX SECTION
NOT TO SCALE

— FLOAT ADJUSTMENT MEASUREMENT IN INCHES MEASURED FROM TOP OF WETWELL

CONTROL PANEL NOTES

THE CONTROL PANEL SHALL HAVE ALL OF THE FOLLOWING PROVISIONS AT A MINIMUM AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED APPLICATION AND TESTED FOR CORRECT PERFORMANCE AS REQUIRED

1 (1) VISIBLE AND AUDIBLE ALARM WITH MANUAL SILENCE BUTTON
2 (1) EA. GENERATOR RECEPTACLE FOR EMERGENCY POWER
3 SURGE PROTECTION ADEQUATE TO PROTECT CONTROL PANEL, PUMP AND FLOAT CIRCUITRY AND WIRING
4 LIGHTNING ARREST SYSTEM WITH PROPER GROUNDING AND MEGGAR TESTED INSTALLED AND CERTIFIED BY A LICENSED ELECTRICIAN IN THE STATE OF FLORIDA
5 LOCKABLE AND WEATHER PROOF CABINETRY SHALL BE PAINTED AND INSTALLED TO HOUSE THE CONTROL PANEL
6 AN UNDERSTANDABLE SIGN MADE OF DURABLE WEATHER RESISTANT MATERIAL AT A LOCATION VISIBLE TO THE PUBLIC
a. THE SIGN SHALL BE POSTED AT ALL PUMPING STATIONS AND LIFT STATIONS WITH THE FOLLOWING, CURRENT, INFORMATION
(1) THE PUMP STATION IDENTIFIER ON A SEPARATE LINE PREFIXED IN THE UPPER LEFT CORNER OF THE SIGN
(2) THE PUMP STATION ADDRESS
(3) THE NAME OF THE PUMP STATION OWNER
(4) THE TELEPHONE NUMBER OF THE PUMP STATION OWNER
(5) THE NAME OF THE PROPERTY MANAGER FOR PUMP STATION OWNER IF APPLICABLE
(6) THE TELEPHONE NUMBER OF THE PROPERTY MANAGER
(7) THE NAME OF THE PUMP STATION OPERATOR, AND
(8) A 24 HOUR TELEPHONE NUMBER FOR OPERATOR NOTIFICATION

PLEASE VERIFY THE SIGN WILL MEET THESE STANDARDS

b. ALL PRINT SHALL BE IN A BLACK BLOCK FONT WITH A MINIMUM ONE INCH LETTER SIZE ON A WHITE BACKGROUND WITH A MINIMUM OF ONE INCH SPACING BETWEEN EACH OF THE FOLLOWING
(1) THE PUMP STATION IDENTIFIER AND THE PUMP STATION ADDRESS
(2) THE PUMP STATION ADDRESS AND THE PUMP STATION OWNER INFORMATION
(3) THE PROPERTY MANAGER ADDRESS AND THE PROPERTY MANAGER INFORMATION AND
(4) THE PUMP STATION OWNER INFORMATION AND THE PUMP STATION OPERATOR INFORMATION

7 CONTROL PANEL TO ALTERNATE PUMPS USE PER PDEP REQUIREMENTS. EACH PUMP SHALL BE A STANDBY FOR THE OTHER AND SHALL BE OF THE SAME CAPACITY AND CAPABLE OF HANDLING FLOWS IN EXCESS OF THE DESIGN PEAK FLOW. THE CONTROL SYSTEM SHALL AUTOMATICALLY ALTERNATE PUMPING STARTS. SHOULD THE LEAD PUMP FAIL, THE STATION SHALL ACTIVATE AN ALARM PRIOR TO ALTERNATION AND START OF THE LAG PUMP

8 ALL PUMP STATION CONTROL SYSTEMS SHALL BE EQUIPPED WITH BOTH AUDIBLE AND VISUAL ALARMS, GENERATOR RECEPTACLE, LIGHTNING PROTECTION, SURGE PROTECTION, PHASE PROTECTION, AND ESTIMATED TIME METERS FOR EACH PUMP
a. ALL PUMP STATIONS APPLYING FOR A PERMIT AS OF THE EFFECTIVE DATE OF THIS RULE, AND ALL PUMP STATIONS REPAIRED OR MODIFIED FOLLOWING A DOCUMENTED VIOLATION BY THE DIVISION SHALL CONNECT TELEMETRY THAT INCLUDES THE FOLLOWING MINIMUM REQUIREMENTS
(1) MUST BE CELLULAR BASED WITH A SERVICE PROVIDER,
(2) MUST HAVE BATTERY BACK UP WITH A MINIMUM OF TWO HOURS RESERVE AND ABLE TO REMAIN FUNCTIONING ON THEIR OF ELECTRICAL SERVICE FAILURE
(3) MUST BE ABLE TO NOTIFY BY CALL OR TEXT MESSAGE AT LEAST
(a) THE PUMP STATION OWNER,
(b) ANY PROPERTY MANAGER AND
(c) THE CONTRACTED PUMP STATION OPERATOR,
(4) MUST SEND NOTIFICATIONS FOR
(a) POWER FAILURE AT THE PUMP STATION,
(b) WET WELL HIGH WATER, AND
(c) PUMP FAILURE TO START PURSUANT TO RULE 3 (a) & (b) BELOW
(5) CANNOT BE A TELEMETRY UNIT THAT IS CENTRALLY MONITORED ONLY AND
(6) MUST BE OWNED BY THE PUMP STATION OWNER, NOT LEASED OR LEASED
PLEASE VERIFY THAT THE PROPOSED PUMP STATION WILL MEET THE RULE REQUIREMENTS

CONTROL PANEL SPECIFICATION DUPLEX FLOAT CONTROL SEE SERIES

1.01 GENERAL
The control panel shall meet all requirements of State of Florida, Department of Environmental Protection publication 17 (Ed)
1.02 All components used to meet NEC requirements for these controls. The workmanship and design shall conform to all national state and local electrical codes
1.03 All components and in panel furnished by the system shall be of high quality, by well known manufacturer and shall readily available from local channel
1.04 These specifications describe control panels as manufactured by Power Pump Sales Company, or approved equal
1.05 A wiring and circuit diagram and parts list will be permanently mounted on inside of door. 1.06 All wiring will be color coded & all be marked/tagged

2.01 ELECTRICAL SERVICE
The incoming power shall be as shown on the attached pump data. Contractor will provide incoming power before releasing equipment for manufacture
An individual equipment ground shall be provided in control panel

3.01 Control voltage shall be 120 VAC and may be appropriated by Panel or a transformer or produce the voltage

3.01 CONTROL LOGIC
DUPLEX Upon rise and level rise, the "#1 pump off" float will energize, then the "lead pump start" will energize and start lead pump. With lead pump operating, rise and level shut lower to "#1 pump off" float de-energizes and lead pump shut stop. Alternating relay shall make as stepping of pump starting pumps to switch lead-lag position.
If rise and level continues to rise when lead pump is operating, the "lag pump" float will energize and start lag pump. Both pumps shall operate together until "all pumps off" float de-energizes and stops both pumps.
If level continues to rise with both pumps operating, the "alarm" float will energize and alarms will actuate and stay on until high water condition is corrected (pump only. Horn can be silenced by switch on exterior of panel) If one pump should fail for any reason, the second pump shall operate on the example control
All level floats shall be adjustable from the surface for level setting.

CONTROL LOGIC TO MEET FOLLOWING

DUPLEX. Upon rise and level rise, the "#1 pump off" float will energize, then the "lead pump start" will energize and start lead pump. With lead pump operating, rise and level shut lower to "#1 pump off" float de-energizes and lead pump shut stop. Alternating relay shall make as stepping of pump starting pumps to switch lead-lag position
If rise and level continues to rise when lead pump is operating, the "alarm" float will energize and alarms will actuate and stay on until high water condition is corrected (pump only. Horn can be silenced by switch on exterior of panel)
If rise and level continues to rise, the "lag pump" float will energize and start lag pump. Both pumps shall operate together until "all pumps off" float de-energizes and stops both pumps
If one pump should fail for any reason, the second pump shall operate on the example control. All level floats shall be adjustable from the surface for level setting.
Should the lead pump fail, the station shall activate an alarm prior to alternation and start of the lag pump

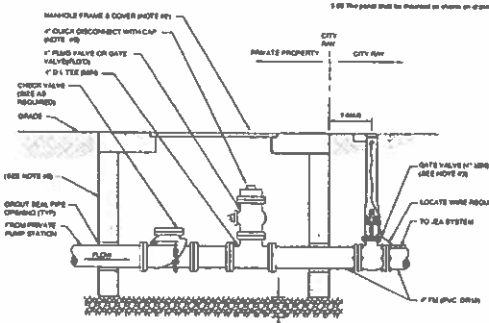
4.01 COMPONENTS
1 Enclosure NEMA Type Material of construction 316 (as Stainless Steel)
2 Dead Front Inner Door
3 Main and Emergency Circuit Breakers
4 Pump Circuit Breakers
5 Control Circuit Fuse
6 High Water Alarm Light
7 High Water Alarm horn or siren (mounted on exterior)
8 Run Light
9 H.O.A. Switches
10 Elapsed Time Meters
11 Alternator
12 Contactor w/ Contactors
13 Phase/Voltage Monitor
14 Lightning Arrestor (Surge Capacitor (to be mounted on exterior of enclosure)
15 Generator Receptacle

4.02 PROTECTIVE DEVICES
Provisions shall be made for high temperature shut down. It shall be wired into the control circuit so as to interrupt power to the contactor coil, for the affected pump. It will automatically reset on detection of fault. I pump does not have provisions for high temperature shutdown a jumper will be installed on terminals

5.01 INSTALLATION Pump will be installed and tested by qualified contractors. Sealing will be by either of the following methods
1 Contact will be sealed on both ends by use of Duct Seal, or equivalent product, + clamp pipe both ends is acceptable
2 Use of a NEMA 4x junction box at end wall being all wiring into box by means of compression equipment cable clamps and bushings. At all times the NEMA 4x rating will be maintained. Any other approved method of sealing we will guess and contract work control panel may be used, by Engineer's approval by contractor

5.02 Installation shall be inspected by vendor at start-up for proper wiring, installation etc.

5.03 The panel shall be mounted as shown on drawings and/or recommended by owner and engineer



NOTES

1 SEWER PUMP-OUT SEE SHALL BE CONSTRUCTED ON PRIVATE PROPERTY AND LOCATED AT THE RIM LINE. THE PRESSURE D CONNECTION LAYOUT IS SHOWN ABOVE
2 ASSEMBLY TO BE ENCLOSED WITHIN A CITY-WIDE (MIN) PRECAST CONCRETE BOX WITH OPEN BOTTOM TO AN INSPECTION CONNECTION TYPE "C" MANHOLE, OPEN BOTTOM WITH FRAME AND COVER (NOM-JEA LOCO TYPE COVER)
3 A JEA APPROVED GATE VALVE 4" (MIN) SHALL BE PROVIDED AT THE RIM LINE FOR JEA FORCE MAIN PIPING WHICH EXCEEDS 50 LINEAR FEET WITHIN THE CITY ROW AREA. THE GATE VALVE AT THE RIM LINE IS NOT REQUIRED WHERE THE CONNECTION CONNECTION AT JEA WHICH IS LOCATED ON THE SAME SIDE OF THE STREET AS THE PUMP-OUT SEE SHOWN ABOVE SERVICE AND CONSIST OF VALVE WITHIN THE CITY ROW AREA
4 NO CONNECTIONS PERMITTED INTO JEA FORCE MAINS WHICH ARE CREATED WITHIN 10' WITHIN PRIOR JEA APPROVAL
5 QUICK DISCONNECT WITH CAP SHALL BE AT MINIMUM AND BE POSITIONED DIRECTLY UNDER MANHOLE FOR EASY ACCESS

PRIVATE PUMP OUT ASSEMBLY

JANUARY 2022 PLATE S-46

NOTES

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GBA
Goodson Bergen and Associates
CONSULTING ENGINEERS
Engineering License Number: C-23287
11160 CENTRAL PARKWAY SUITE 100
JACKSONVILLE, FLORIDA 32224
Phone: (904) 543-7770
Fax: (904) 543-7772
FL. PE #53080
JEFFREY E. BERGEN, PE
6/21/2022

AULD & WHITE CONSTRUCTORS

AW ENGINEERS

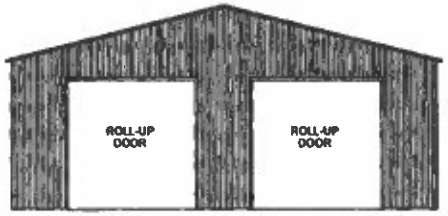
PERMIT SET
NOT PREPARED WITHOUT GEOTECH REPORT, AND UTILITY CONNECTION DATA
08/19/22

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

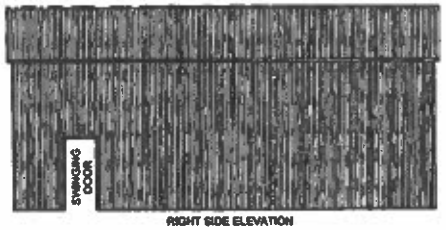
SCALE	DATE	DRAWN BY	PROJECT #
NTS	08/18/22	DM	-

FIRE STATION # 47
4737 LANNIE RD. JACKSONVILLE FL 32218
PRIVATE PUMP STATION STANDARD DETAILS

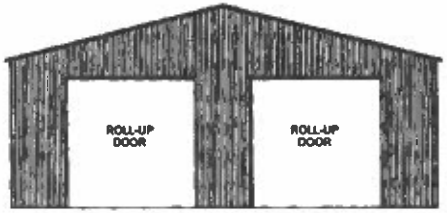
SHEET NO. C12.0



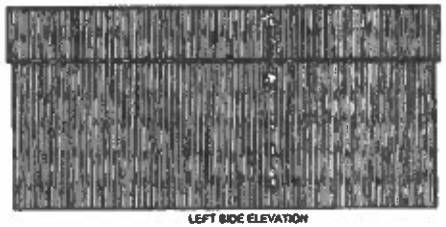
FRONT ELEVATION



RIGHT SIDE ELEVATION



REAR ELEVATION



LEFT SIDE ELEVATION

19-211960

PLAN REVIEW AND ISSUING OF PERMIT DOES NOT RELIEVE CONTRACTOR OF CONFORMING WITH ALL CODES

BUILDING PLANS EXAMINER REVIEWED FOR CODE COMPLIANCE REF: THIS PLAN ON JOB

JUL 3 1 2019

CITY SET

RISK CATEGORY:	II
ULTIMATE WIND SPEED (MPH):	150
NOMINAL DESIGN WIND SPEED (MPH)	101
WIND EXPOSURE CATEGORY:	C
BUILDING ENCLOSURE TYPE:	ENCLOSED
ROOF ANGLE (DEGREES):	14.0
MEAN ROOF HEIGHT (FEET):	18.5
DESIGN PRESSURES (PSF):	
ROOF:	
ZONE 1:	+13.5 / -21.4
ZONE 2:	+13.5 / -37.3
ZONE 3:	+13.5 / -55.2
DESIGN ROOF PRESSURES:	+13.5 / -30.9
WALLS:	
ZONE 4:	+23.4 / -25.4
ZONE 5:	+23.4 / -31.4
DESIGN WALL PRESSURES	+23.4 / -28.8
SWINGING DOOR:	+23.4 / -25.4
ROLL-UP DOOR	+18.4 / -21.2

REVIEWED
Jacksonville Fire Prevention Div

JUL 3 0 2019

☐ NO EXCEPTIONS
☐ EXCEPTIONS AS NOTED
SHEET #_____

BUILDING PLANS EXAMINER REVIEWED FOR CODE COMPLIANCE REF: THIS PLAN ON JOB

JUL 1 9 2019

BUILDING INSPECTION DIVISION

GENERAL NOTES

0. APPLICABLE CODES, REGULATIONS, & STANDARDS
   A. THE 2017 FLORIDA BUILDING CODE, 6TH EDITION
   B. ASCE 7-10 & SEI 7
   C. ACI 318 CONCRETE REFRENCE MANUAL
1. THESE PLANS BELONG EXCLUSIVELY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MWFRS), COMPONENTS AND CLADDING (C&C), AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PROPERTY SET-BACKS, ELECTRICAL, PLUMBING, INGRESS/EGRESS, FINISH FLOOR SLOPES AND ELEVATIONS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE LIABILITY OF OTHERS.
2. THESE STRUCTURES ARE ENGINEERED AS (RISK CATEGORY 2) CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND LIVE AND WIND LOADS. UPGRADES NOT SPECIFICALLY ADDRESSED HEREIN, SUCH AS WINDOWS, DOORS, OR ANOTHER COMPONENT NOT LISTED IN THE FLORIDA BUILDING CODE APPROVED PRODUCT LIST, AND NOT PROVIDED AND INSTALLED BY CARPORTS ANYWHERE, INC., WHICH CAUSE ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. FLORIDA ENGINEERING LLC. SHALL NOT BE RESPONSIBLE FOR FAILURE OR STRUCTURAL DAMAGE DUE TO THE EXTRA LOAD.
3. LOW ULTIMATE WIND SPEED 106 TO 140 MPH (NOMINAL WIND SPEED 81 TO 108 MPH): MAXIMUM RAFTER/POST AND END POST SPACING = 8.0 FEET.
4. HIGH ULTIMATE WIND SPEED 141 TO 170 MPH (NOMINAL WIND SPEED 109 TO 132 MPH): MAXIMUM RAFTER/POST AND END POST SPACING = 4.0 FEET.
5. ALL STEEL TUBING SHALL BE 39 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE ZINC COATED HARDWARE.
6. SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/8" x 2 1/8" - 14 GAUGE TUBE STEEL (TS) FRAMING MEMBERS FOR VERTICAL PANELS. 29 GAUGE METAL PANELS SHALL BE FASTENED TO 18 GAUGE HAT CHANNELS (UNLESS OTHERWISE NOTED).
7. FASTENERS CONSIST OF #12-14 x 3/4" SELF DRILLING FASTENER (SDF), USE CONTROL SEAL WASHER WITH EXTERIOR FASTENERS SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 30 FEET OR LESS, AND ROOF SLOPES OF 14° (3:12 PITCH) OR LESS SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY.
8. AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS, INTERIOR = 6" OR END = 4", (MAX.).
9. WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE:
   SOIL SITE CLASS = D
   RISK CATEGORY II/III
   $R = 3.25$ $\Omega_0 = 1.3$
   $S_{ds} = 0.267$ g $V = C_sW$
   $S_{d1} = 0.204$ g

CONCRETE NOTE

ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED STRUCTURE SHALL BE DESIGNED TO SLOPE AWAY FROM THE STRUCTURE

NOTE: All work performed within an easement or a Public Right-of-Way requires a separate permit by the Division of Development Services. Provide a min. 3' clearance from the edge of driveways to any structure such as inlets, transformers, poles, etc., in the right-of-way easement. RCM 7/18/19

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE
STRUCTURAL COMPONENTS	ROOF DECK	CAPITAL METAL SUPPLY, INC. 29 GA. CAPITAL RIB ROOF PANEL	FL20147.1-R1 12/12/17
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAPITAL METAL SUPPLY, INC. 29 GA. CAPITAL RIB WALL PANEL	FL20148.1-R1 12/12/17
EXTERIOR DOORS	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC. SERIES 3662	FL14425.1-R4 06/15/18
EXTERIOR DOORS	SWINGING	ELDUR DOOR AND METAL COMPANY SERIES 407	FL17988.5-R1 01/26/18

CRAIG E. GUNDERSON LICENSE No. 60102 STATE OF FLORIDA PROFESSIONAL ENGINEER

Craig E. Gunderson, P.E. #60102
DATE: 07/11/2019

FLORIDA ENGINEERING LLC
4456 TAMIAMI TRAIL, UNIT B14
PORT CHARLOTTE, FLORIDA 33980
(941) 391-5980
www.flengineeringllc.com
CA CERT. #30762

PROJECT NO. 1917908

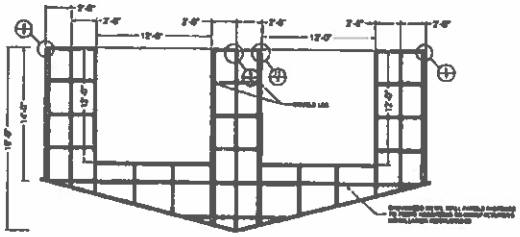
CONTRACTOR: TUBULAR BUILDING SYSTEMS

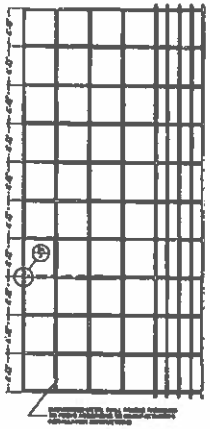
PROJECT ADDRESS: JFRD STATION 63
5850 GATE PARKWAY
JACKSONVILLE, FL

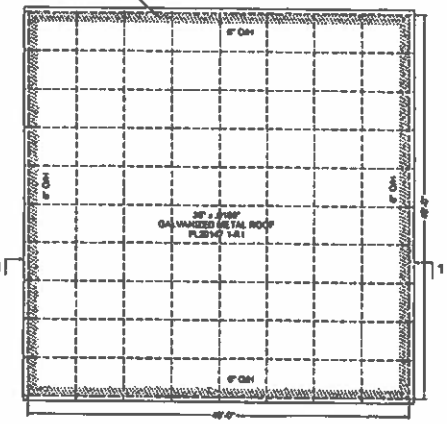
DESIGN DATE:	07/02/2019	
REVISION 1:	DATE	PAGE:
REVISION 2:	DATE	
SCALE:	NTS	

EXHIBIT P-2

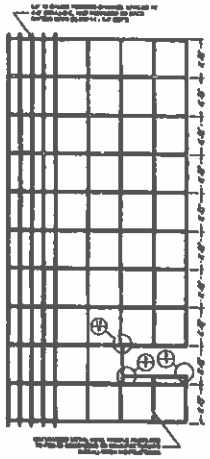
19-211960#

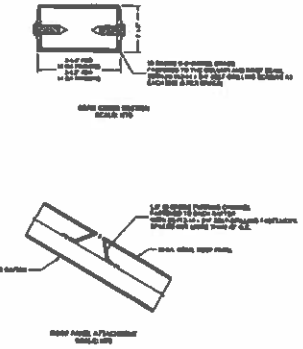


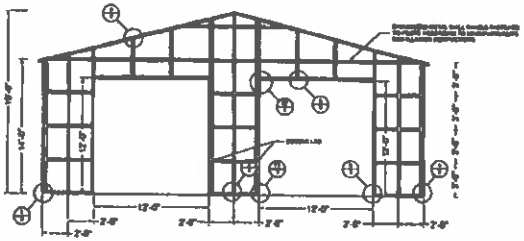


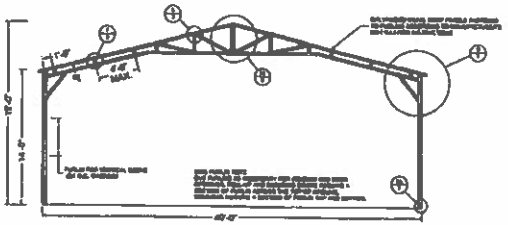


B - 2.SCS.3









SECTION 1 - 1

CONCRETE NOTE

ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED STRUCTURE SHALL BE REMOVED TO SLOPE AWAY FROM THE STRUCTURE

CRAIG E. GUNDERSON
LICENSE
No. 80102
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Craig E. Gunderson, P.E. #80102
DATE: 07/11/2019

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4456 TAMIAMI TRAIL, UNIT B14
PORT CHARLOTTE, FLORIDA 33980
(941) 391-5980
www.flengineeringllc.com

CA CERT. #30782

PROJECT NO. 1917908

CONTRACTOR: TUBULAR BUILDING SYSTEMS

PROJECT ADDRESS: JFRD STATION 63
5850 GATE PARKWAY
JACKSONVILLE, FL

DESIGN DATE:	07/02/2019
REVISION 1:	DATE
REVISION 2:	DATE
SCALE:	NTS

PAGE 2

EXHIBIT R2

19-211960#

GENERAL NOTES

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

COVERAGE OF THE REINFORCED STEEL:

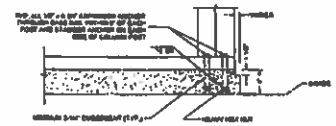
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:
3 INCHES WHERE THE CONCRETE IS POURED AGAINST AND TEMPORARY IN CONTACT WITH THE EARTH OR EXPOSED TO EITHER FROM THE EARTH OR WEATHER. OTHERWISE 1-1/2 INCHES.

REINFORCING STEEL:

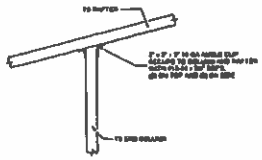
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60
THE SLAB REINFORCING I SHALL BE WELDED WIRE FABRIC
MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT

REINFORCEMENT MAY BE BENT IN THE FIELD OR SHOP AS LONG AS

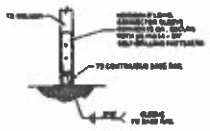
1. IT IS BENT COLD.
2. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.
3. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.



1 CONCRETE SPREAD FOOTING SLAB BASE PAD, ANCHORAGE
SCALE: NTS



2 END PERLINS/TOP CONNECTION DETAIL
SCALE: NTS



3 RAFTER PERPENDICULAR CONNECTION DETAIL
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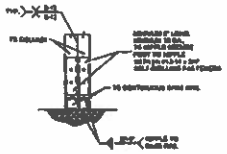

3A RAFTER PERPENDICULAR CONNECTION DETAIL
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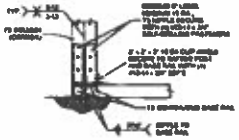
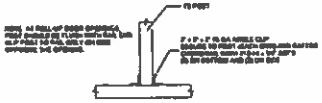


4 END PERPENDICULAR CONNECTION DETAIL
SCALE: NTS



5 POST TO BASE/STRUCTURAL HEADER, BASE PLATE, OR FOUNDATION, CONNECTION DETAIL
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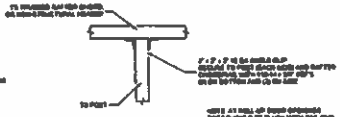

6 POST TO BASE/STRUCTURAL HEADER, BASE PLATE, OR FOUNDATION, CONNECTION DETAIL
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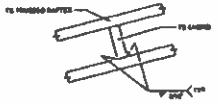

7 CANOPY/RAFTER CONNECTION DETAIL
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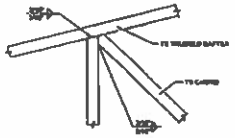

8 BASE POST AND CORE TO RAFTER CONNECTION DETAIL
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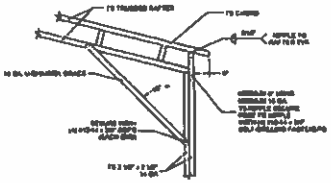

9 RAFTER ASSEMBLY CONNECTION DETAIL
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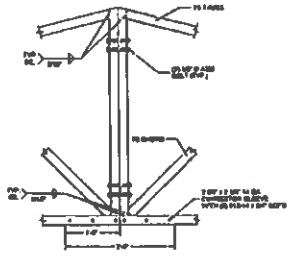
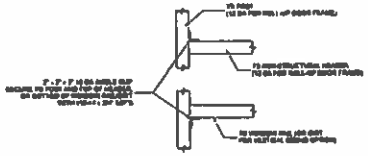
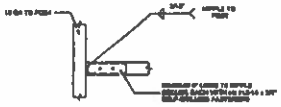


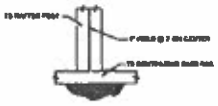
10 BRACE
CONNECTION DETAIL
SCALE: NTS



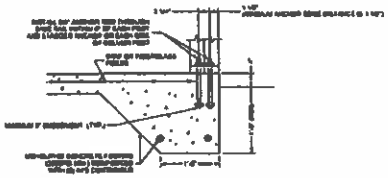
11 HORIZONTAL HEADER OR CANOPY BAR TO POST CONNECTION DETAIL
SCALE: NTS



12 HEADERPOST
CONNECTION DETAIL
SCALE: NTS



13 RAFTER PERPENDICULAR CONNECTION DETAIL
SCALE: NTS



14 CONCRETE SPREAD FOOTING SLAB BASE PAD, ANCHORAGE
SCALE: NTS

CRAIG E. GUNDERSON
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No. 60102
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PROFESSIONAL ENGINEER

Craig E. Gunderson, P.E. #60102
DATE: 07/11/2019

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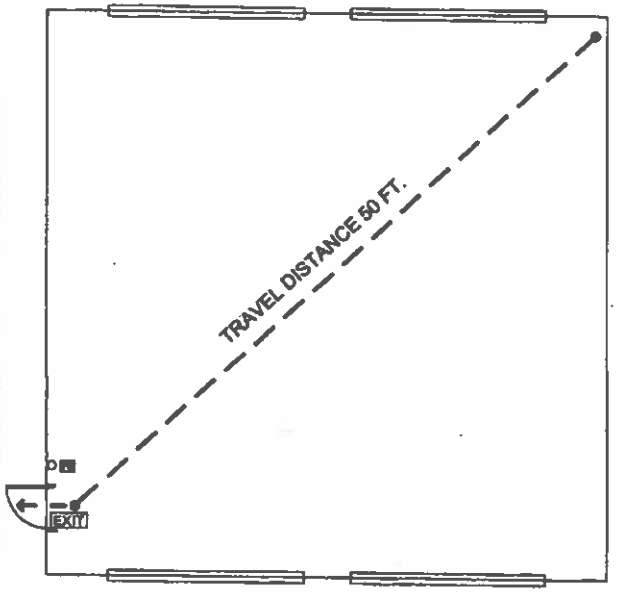
PROJECT NO. 1917908

CONTRACTOR: TUBULAR BUILDING SYSTEMS

PROJECT ADDRESS: JFRD STATION 63
5850 GATE PARKWAY
JACKSONVILLE, FL

DESIGN DATE:	07/02/2019	
REVISION 1	DATE	PAGE#
REVISION 2	DATE	3
SCALE:	NTS	

EXHIBIT P-2



LIFE SAFETY PLAN

6th EDITION FLORIDA FIRE CODE BASED ON NFPA, FIRE CODE 2015 EDITION & NFPA 101 LIFE SAFETY - CODE 2015 EDITION

CLASSIFICATION OF OCCUPANCY ____ GROUP ____

MIXED OCCUPANCY ____ SEPARATION OCCUPANCY ____

TYPE OF CONSTRUCTION PROTECTED ____ UNPROTECTED ____

SPRINKLED YES ____ NO ____

BUILDING VARIABLES	REQUIRED & ALLOWED	PROVIDED
BUILDING HEIGHT & HEIGHT INCHES	24'	24'
NUMBER OF STORIES	1	1
BUILDING AREA / FLOOR AREA INCLUDED	1,000 SQ	1,000 SQ
OCCUPANCY LOAD / FLOOR AREA /PERSON		5	6 Per Fighter per Shift
ASSEMBLY TOTAL SEATING / PERSON	N/A	N/A
EGRESS WIDTH / PERSON		1" PER PER
LENGTH OF DEAD END	0	0
MAXIMUM DISTANCE TO AN EXIT	50'	50'
MINIMUM NUMBER OF EXITS		1
FIRE PROTECTION REQUIREMENTS STRUCTURAL FRAME - INCLUDING COLUMNS, GIRDERS, TRUSSES	0	0
BEARING WALLS - EXTERIOR WITHIN	0	0
NONBEARING WALLS AND PARTITIONS - EXTERIOR WALLS	0	0
NONBEARING WALLS AND PARTITIONS - INTERIOR	0	0
FLOOR CONSTRUCTION - INCLUDING SUPPORTING BEAMS & JOISTS	0	0
ROOF CONSTRUCTION - INCLUDING SUPPORTING BEAMS & JOISTS	0	0

LIFE SAFETY PLAN GENERAL NOTES

A. SEE ELECTRICAL DRAWINGS SHEET E2.1 FOR LOCATIONS OF ALL APPLICABLE FIRE ALARM DEVICES (E.G. PULL STATIONS, AUDIOVISUAL ALARMS, VISUAL STROBE ALARMS, AND SMOKE DETECTORS).

B. IN ACCORDANCE WITH FFPC-LSC 7.2.1.5, ALL EXIT DOOR LEAVES SHALL BE ARRANGED TO BE OPENED READILY FROM THE EGRESS SIDE WHENEVER THE BUILDING IS OCCUPIED.

C. IN ACCORDANCE WITH FFPC-LSC 7.2.1.5.3, LOCKS (INCLUDING ELECTRONIC LOCKSETS WITH ACCESS CONTROL) SHALL NOT REQUIRE THE USE OF A KEY, A TOOL OR SPECIAL KNOWLEDGE OR EFFORT.

D. WHERE EXIT DOOR HARDWARE IS INDICATED ON THE LIFE SAFETY PLAN, THE HARDWARE TYPE AND OPERATION SHALL BE AS FOLLOWS:

D.1. PANIC EXIT DEVICE: DEPRESSING EXIT DEVICE PUSH PAD ON EGRESS SIDE MECHANICALLY RETRACTS LATCHBOLT (FREE EGRESS).

D.2. LOCKSET: TURNING INSIDE LEVER MECHANICALLY RETRACTS LATCH AND DEADBOLT (IF PROVIDED) SIMULTANEOUSLY (FREE EGRESS).

E. PER NFPA 20.3.5.5, DOORS LOCATED IN A SMOKE PARTITION SEPARATING A SLEEPING ROOM FROM AN EMERGENCY ESCAPE CORRIDOR SHALL BE PROVIDED WITH A LATCH OR OTHER MECHANISM SUITABLE FOR KEEPING THE DOOR CLOSED.

F. ALL DOORS AND FINISH HARDWARE SHALL BE COMPLIANT WITH THE REQUIREMENT OF THE FLORIDA BUILDING CODE 6TH EDITION (2017)

G. SEE DETAIL 1/A12.1 FOR TYPICAL FIRE EXTINGUISHER CABINET ELEVATION.

H. SEE DETAIL 3/A12.1 FOR TYPICAL FIRE EXTINGUISHER & MOUNTING BRACKET ELEVATION.

I. TWO "DOMESTIC" 30-INCH ELECTRIC RANGES (BY OWNER) WITH A "DOMESTIC" RANGE HOOD (BY CONTRACTOR) WILL BE PROVIDED. IN ACCORDANCE WITH FBC-MECHANICAL, 6TH EDITION (2017) SECTION 508.1, THE DOMESTIC RANGE HOOD WILL DISCHARGE TO THE OUTDOORS THROUGH SHEET METAL DUCTS CONSTRUCTED OF GALVANIZED STEEL. SEE MECHANICAL DRAWINGS.

LIFE SAFETY PLAN LEGEND

← →	MAXIMUM TRAVEL DISTANCE
EXIT	EXIT DOOR
FE	FIRE EXTINGUISHER W BRACKET (MULTI-PURPOSE CHEMICAL TYPE: UL 4A-60BC, 10-LB)

REVISIONS

NO.	BY	DATE	DESCRIPTION	REVISED

ENGINEER OF RECORD:
MARIA C. WILLIAMS, P.E. #50118
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
7/26/19	RKG	

TEMPORARY FIRE STATION 73
LIFE SAFTY & FIRE CODE

SHEET NO. 01

EXHIBIT P-2

EXHIBIT P-2

TUBULAR BUILDING SYSTEMS

STRUCTURAL DESIGN

ENCLOSED BUILDING

MAXIMUM 40'-0" WIDE X 16'-0" EAVE HEIGHT- BOX EAVE FRAME

18 May 2016
Revision 2
M&A Project No. 16022S/16072S/16073S

Prepared for:

Tubular Building Systems, LLC
631 SE Industrial Circle
Lake City, Florida 32025

Prepared by:

Moore and Associates Engineering and Consulting, Inc.
1009 East Avenue
North Augusta, SC 29841

MOORE AND ASSOCIATES
ENGINEERING AND CONSULTING

EXHIBIT P-2

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PROFESSIONAL ENGINEER

GEORGIA
REGISTERED
No. 24069
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ENGINEER
WAYNE S. MOORE

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
No. 18604
5/16/16
WAYNE S. MOORE

SOUTH CAROLINA
MOORE
AND
ASSOCIATES, INC.
No. C02988
CERTIFICATE OF AUTHORIZATION

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BY: JRS	TUBULAR BUILDING SYSTEMS PE COVER SHEET 40'x16' ENCLOSED BUILDING	
	CHECKED BY: PSN		
	PROJECT MGR: WSM	DATE: 5-18-16	SCALE: NTS	JOB NO. M0225
	CLIENT: TBS	SHT. 1	DWG. NO. SK-2	REV. 2

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DRAWING INDEX

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SHEET 2	DRAWING INDEX
SHEET 3	INSTALLATION NOTES AND SPECIFICATIONS
SHEET 4	TYPICAL SIDE AND END ELEVATIONS
SHEET 5	TYPICAL RAFTER/POST FRAME AND SIDE FRAMING SECTION
SHEET 6	TYPICAL RAFTER/POST CONNECTION DETAILS
SHEET 7	BASE RAIL ANCHORAGE OPTIONS
SHEET 8	TYPICAL ENDWALL FRAMING SECTIONS
SHEET 9	TYPICAL SIDEWALL FRAMING SECTIONS
SHEET 10	WALL OPENING DETAILS
SHEET 11	WALL OPENING DETAILS
SHEET 12	LEAN-TO OPTIONS AND DETAILS
SHEET 13	VERTICAL ROOF OPTION END ELEVATION AND SECTION
SHEET 14	VERTICAL ROOF OPTION SIDE ELEVATION AND SECTION
SHEET 15	OPTIONAL FOUNDATION CAST-IN-PLACE ANCHOR SIDE ELEVATION AND SECTION
SHEET 16	OPTIONAL HEADER SIDE ELEVATION

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CHECKED BY: PDH			
PROJECT MGR: WSM	DATE: 5-18-16	SCALE: NTS	JOB NO. 160225
CLIENT: TBS	SHT. 2	DWG. NO. SK-2	REV.: 2

INSTALLATION NOTES AND SPECIFICATIONS

1 DESIGN IS FOR A MAXIMUM 40' WIDE x 16' EAVE HEIGHT STRUCTURES

2 DESIGN WAS DONE IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE (FBC) 5TH EDITION AND 2012 INTERNATIONAL BUILDING CODE IBC

3 DESIGN LOADS ARE AS FOLLOWS:

A) DEAD LOAD = 1.5 PSF
B) LIVE LOAD = 12 PSF
C) GROUND SNOW LOAD = 10 PSF

4 LOW ULTIMATE WIND SPEED 105 TO 140 MPH (NOMINAL WIND SPEED 81 TO 108 MPH) MAXIMUM RAFTER/POST AND END POST SPACING = 5.0 FEET

5 HIGH ULTIMATE WIND SPEED 141 TO 170 MPH (NOMINAL WIND SPEED 109 TO 132 MPH) MAXIMUM RAFTER/POST AND END POST SPACING = 4.0 FEET

6 LOW HAZARD RISK CATEGORY I (WIND).

7 WIND EXPOSURE CATEGORY B.

8 SPECIFICATIONS APPLICABLE TO 29 GAUGE METAL PANELS FASTENED DIRECTLY TO 2 1/2" x 2 1/2" - 14 GAUGE STEEL TUBE FRAMING MEMBERS. FOR VERTICAL PANELS 29 GAUGE METAL PANELS SHALL BE FASTENED TO 18 GAUGE HAT CHANNELS.

9 AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS, INTERIOR = 9" AND END = 6", (MAX)

10 FASTENERS CONSIST OF 1/4"-14x3/4" SELF-DRILLING FASTENER (SDF) USE CONTROL SEAL WASHER WITH EXTERIOR FASTENERS SPECIFICATIONS APPLICABLE ONLY FOR MEAN ROOF HEIGHT OF 20 FEET OR LESS AND ROOF SLOPES OF 14° (3:12 PITCH) OR LESS SPACING REQUIREMENTS FOR OTHER ROOF HEIGHTS AND/OR SLOPES MAY VARY

11 GROUND ANCHORS CONSISTING OF #4 REBAR W/WELDED NUT x 24" LONG MAY BE USED FOR LOW WIND SPEEDS ONLY

12 GROUND ANCHORS SHALL BE INSTALLED THROUGH BASE RAIL WITHIN 6" OF EACH POST

13 OPTIONAL BASE RAIL ANCHORAGE MAY BE USED FOR LOW AND HIGH WIND SPEEDS

14 WIND FORCES GOVERN OVER SEISMIC FORCES. SEISMIC PARAMETERS ANALYZED ARE
SOIL SITE CLASS = D
RISK CATEGORY I/II/III
$R = 3.25$ $I_E = 1.0$
$S_{DS} = 1.522$ $V = C_S W$
$S_{D1} = 0.839$

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	CHECKED BY: PDH			
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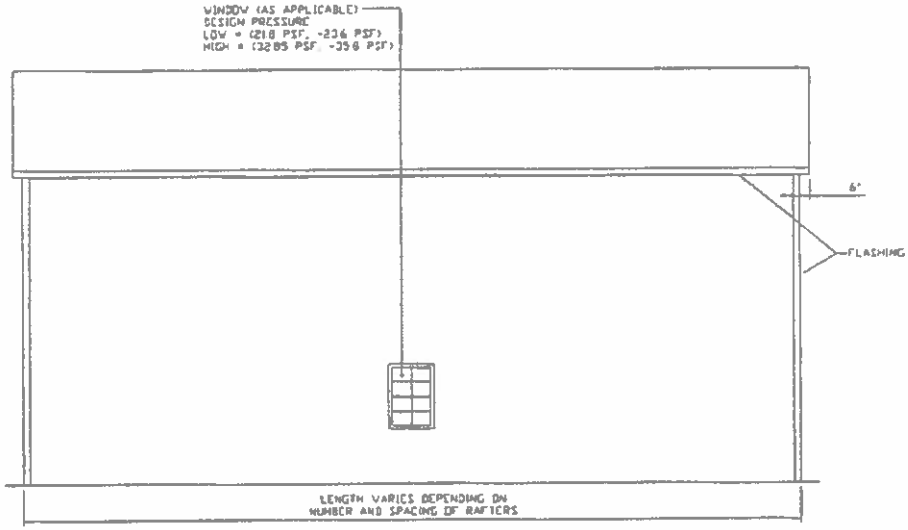
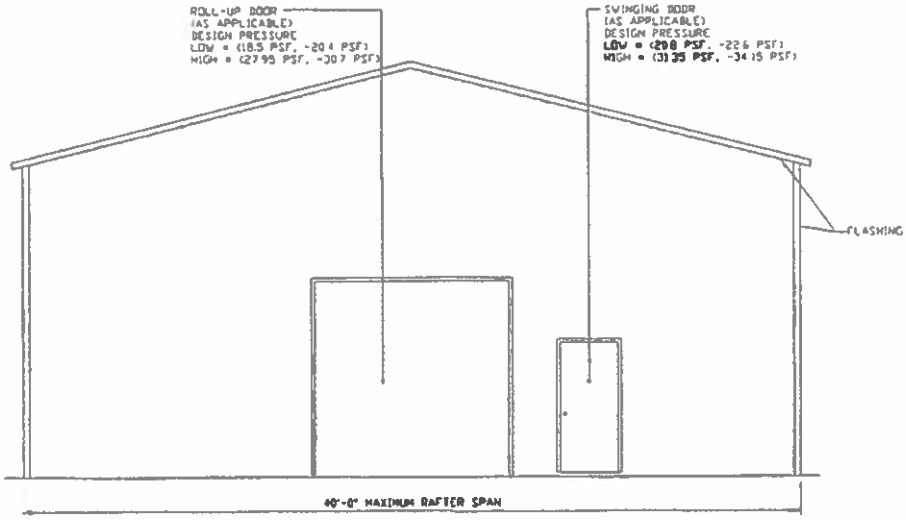
	CLIENT: TBS	SHT. 3	DWG. NO: SK-2	REV.: 2

☐ BOX EAVE FRAME RAFTER ENCLOSED BUILDING



TYPICAL SIDE ELEVATION-HORIZONTAL ROOF

SCALE 1/8" = 1'-0"



TYPICAL END ELEVATION-HORIZONTAL ROOF

SCALE 1/8" = 1'-0"

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	CHECKED BY: PDN			
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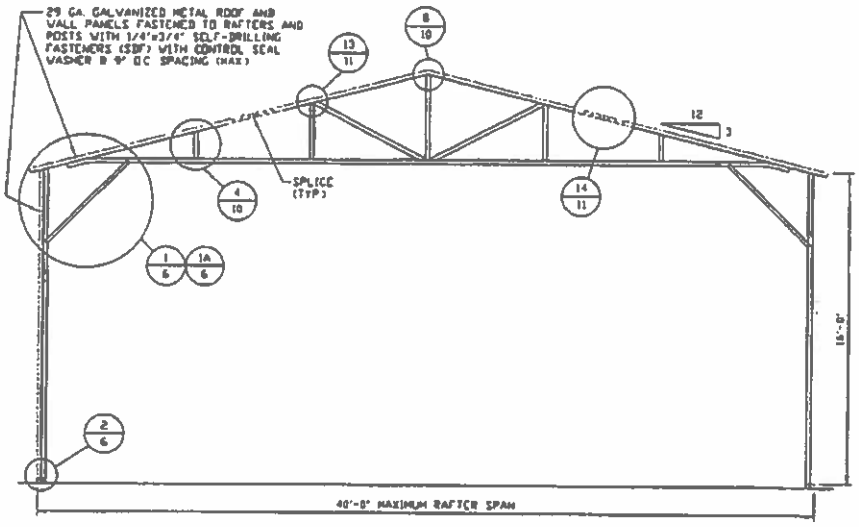
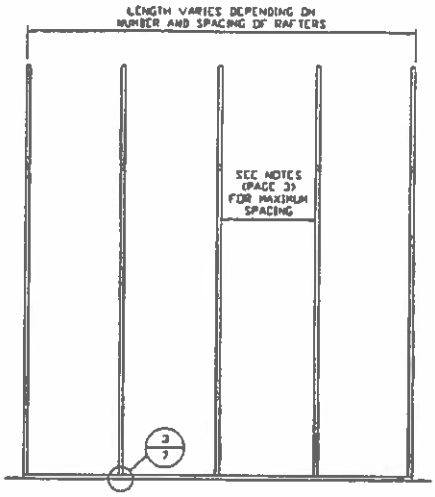
	CLIENT: TBS	SHT. 4	DWG. NO: SK-2	REV.: 2

EXHIBIT P-2



TYPICAL RAFTER/POST FRAME SECTION

SCALE: 1/8" = 1'-0"



TYPICAL RAFTER/POST SIDE FRAMING SECTION

SCALE: 1/8" = 1'-0"

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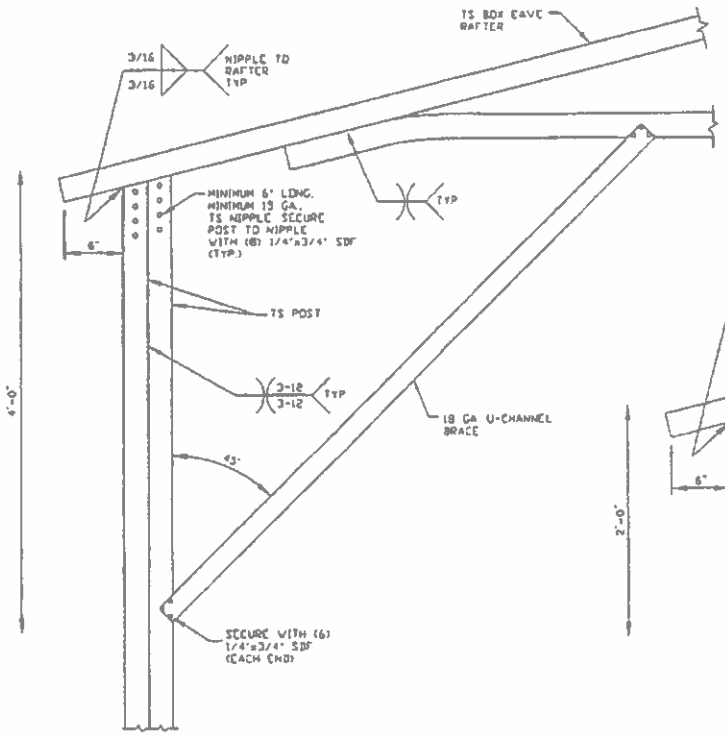
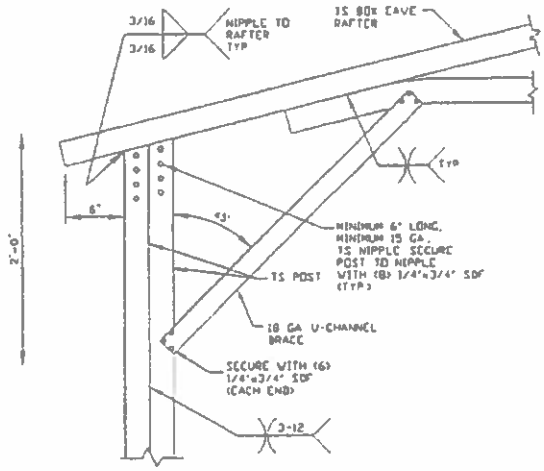
	CLIENT: TBS	SHT. 5	DWG. NO: SK-2	REV.: 2



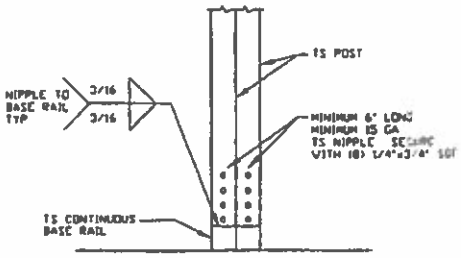
1 BOX EAVE RAFTER/CORNER POST CONNECTION DETAIL FOR HEIGHTS 8' < TO ≤ 16'

SCALE NTS



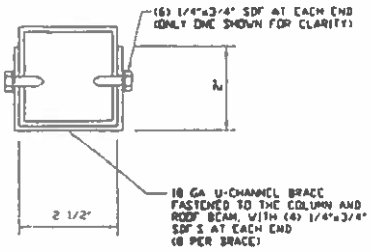
1A BOX EAVE RAFTER COLUMN CONNECTION DETAIL FOR HEIGHTS ≤ 8'

SCALE NTS



2 POST/BASE RAIL CONNECTION DETAIL

SCALE NTS



BRACE SECTION

SCALE NTS

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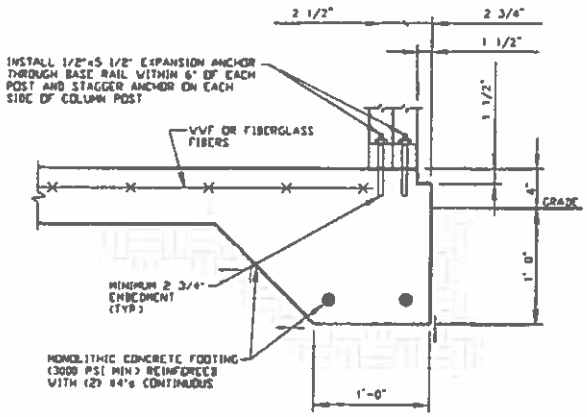
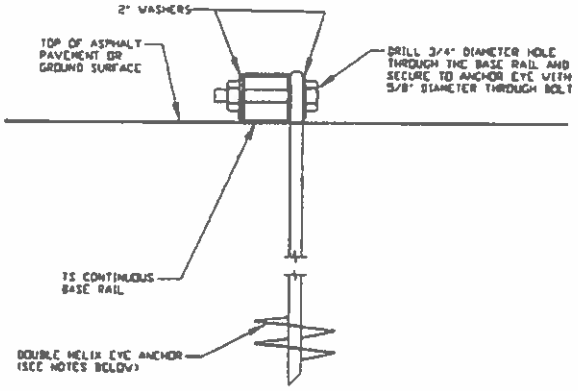
	CLIENT: TBS	SHT. 6	DWG NO: SK-2	REV.: 2

BASE RAIL ANCHORAGE OPTIONS FOR HIGH AND LOW WIND SPEED



3A CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE
SCALE NTS
(MINIMUM ANCHOR EDGE DISTANCE IS 2 1/2")



3B GROUND BASE HELIX ANCHORAGE
SCALE NTS (CAN BE USED FOR ASPHALT)

GENERAL NOTES

CONCRETE:

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS

COVER OVER REINFORCING STEEL:

FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318
3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER, AND 1 1/2 INCHES ELSEWHERE

REINFORCING STEEL:

THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT

REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:

1 REINFORCEMENT IS BENT COLD
2 THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS
3 REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT

HELIX ANCHOR NOTES:

1 FOR VERY DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL AND COBBLES, CALICHE PRELOADED SILTS AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT

2 FOR CORAL USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT

3 FOR MEDIUM DENSE COARSE SANDS, SANDY GRAVELS VERY STIFF SILTS AND CLAYS USE MINIMUM (2) 4" HELICES WITH MINIMUM 30 INCH EMBEDMENT

4 FOR LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL USE MINIMUM (2) 6" HELICES WITH MINIMUM 50 INCH EMBEDMENT

5 FOR VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFFER CLAYS AND SILTS ALLUVIAL FILL USE MINIMUM (2) 8" HELICES WITH MINIMUM 60 INCH EMBEDMENT

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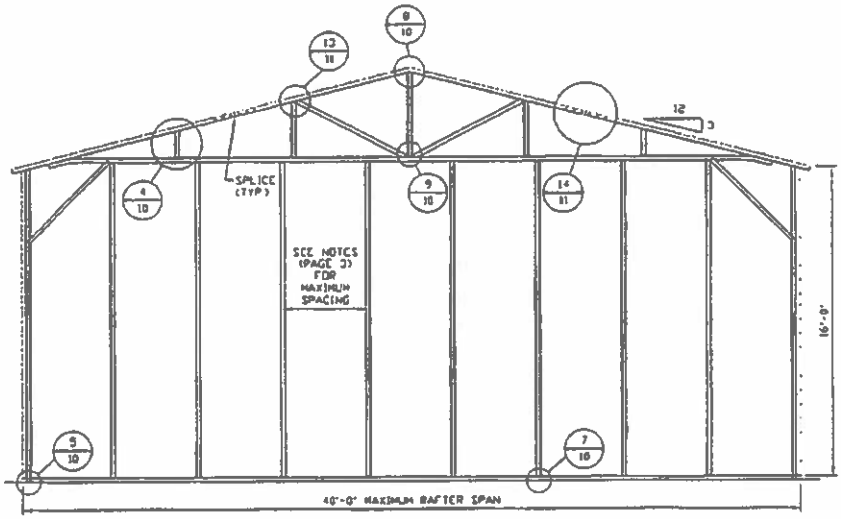
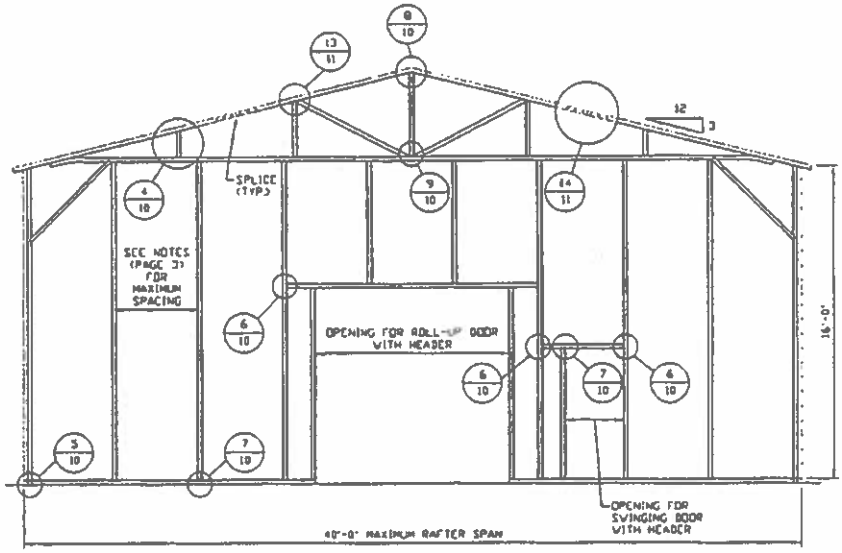
	CLIENT: TBS	SHT. 7	DWG. NO. SK-2	REV.: 2

BOX EAVE RAFTER END WALL AND WALL OPENINGS



TYPICAL BOX EAVE RAFTER END WALL FRAMING SECTION

SCALE 1/8" = 1'-0"



TYPICAL BOX EAVE RAFTER END WALL OPENINGS FRAMING SECTION

SCALE: 1/8" = 1'-0"

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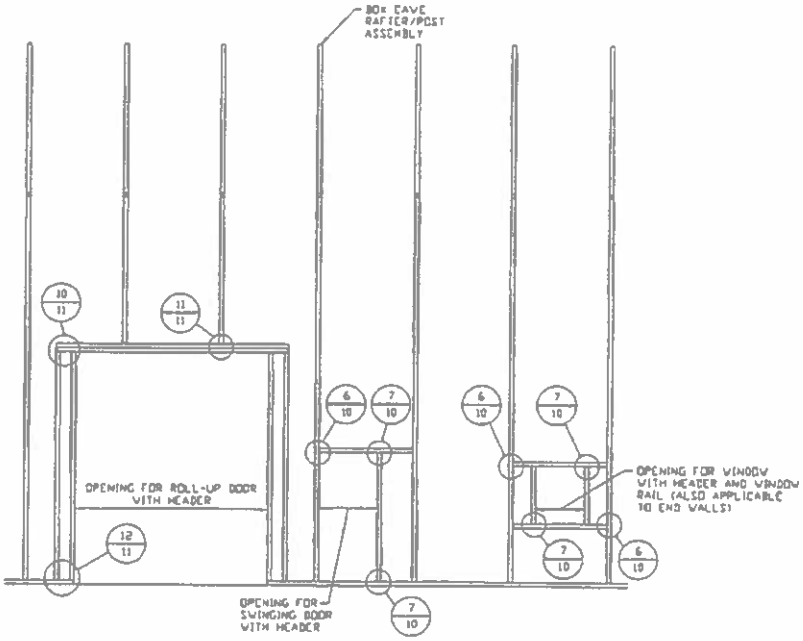
	CLIENT: TBS	SHT. 8	DWG. NO. SK-2	REV.: 2

BOX EAVE RAFTER SIDE WALL AND WALL OPENINGS



TYPICAL BOX EAVE RAFTER SIDE WALL OPENINGS FRAMING SECTION

SCALE: 1/8" = 1'-0"

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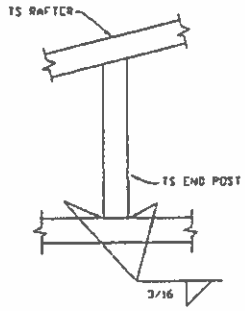
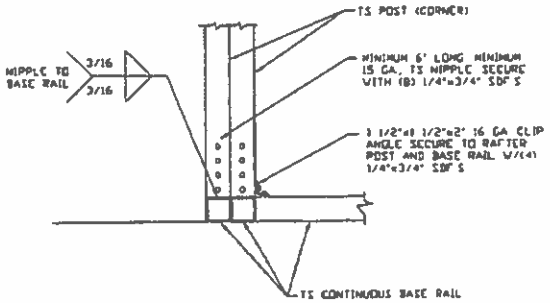
BOX EAVE RAFTER WALL OPENING DETAILS



4 END POST/RAFTER CONNECTION DETAIL
SCALE NTS



5 END POST/BASE RAIL CONNECTION DETAIL
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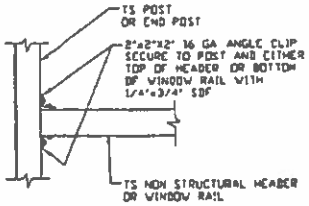
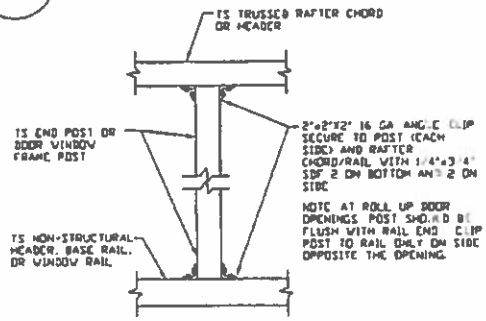
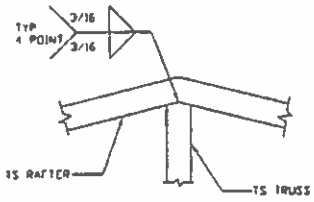


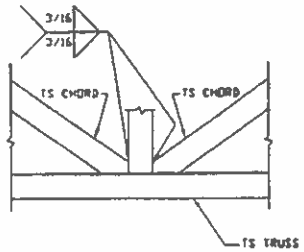
6 HEADER OR WINDOW RAIL TO POST CONNECTION DETAIL
SCALE NTS



7 POST TO HEADER, BASE RAIL, OR WINDOW RAIL CONNECTION DETAIL
SCALE NTS



8 CENTER POST TO RAFTER CONNECTION DETAIL
SCALE NTS



9 CENTER POST TO TRUSS BASE CONNECTION DETAIL
SCALE NTS

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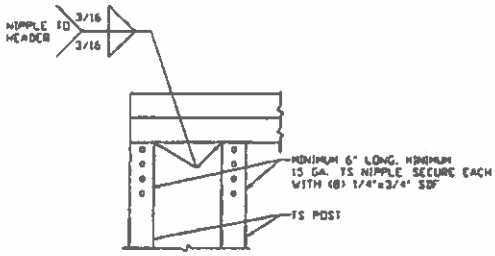
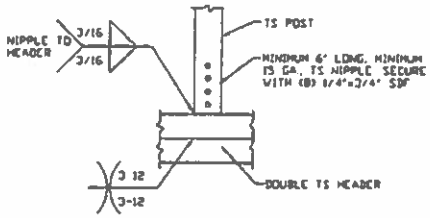
BOX EAVE RAFTER WALL OPENING DETAILS



10 DOUBLE HEADER/POST CONNECTION DETAIL
SCALE NTS



11 POST/DOUBLE HEADER CONNECTION DETAIL
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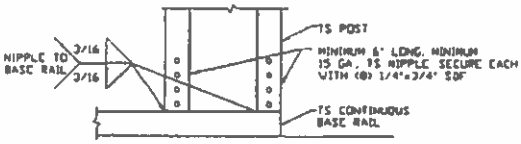

12 POST/BASE RAIL CONNECTION DETAIL
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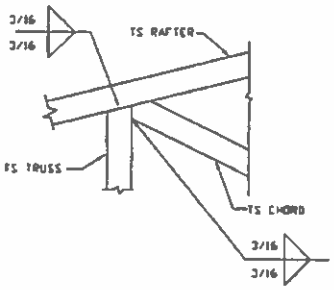
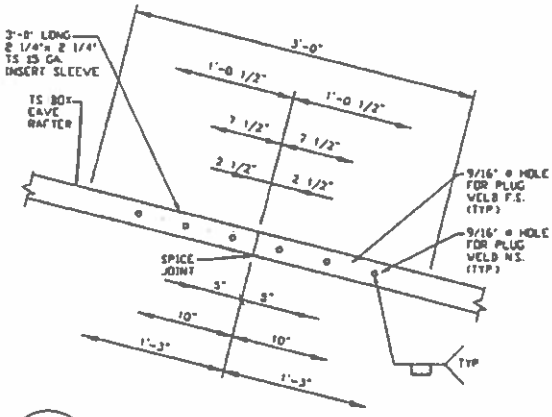


13 TRUSS POST AND CORD TO RAFTER CONNECTION DETAIL
SCALE NTS



14 SPLICE CONNECTION DETAIL
SCALE NTS

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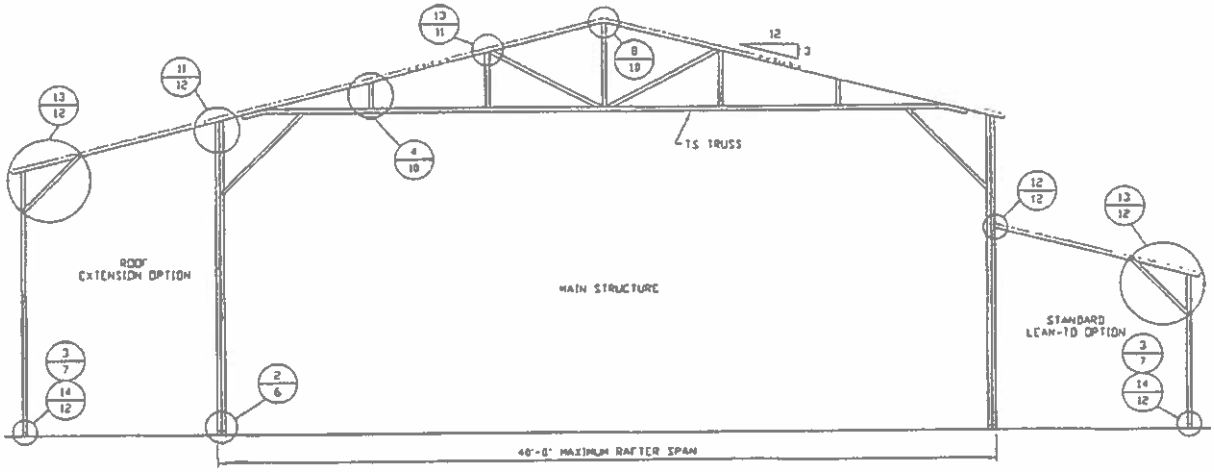
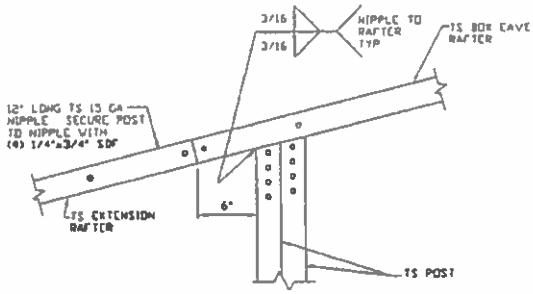
	CLIENT: TBS	SHT. 11	DWG. NO: SK-2	REV: 2

BOX EAVE RAFTER LEAN-TO OPTIONS



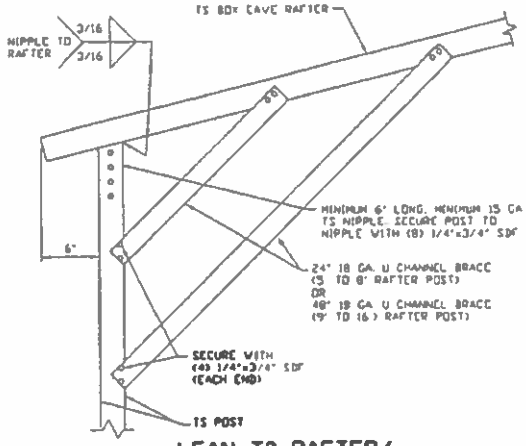
TYPICAL BOX EAVE RAFTER LEAN-TO OPTIONS FRAMING SECTION (BOTH OPTIONS SHOWN)

SCALE NTS



11 SIDE EXTENSION RAFTER/ CORNER POST DETAIL

SCALE NTS



13 LEAN-TO RAFTER/ CORNER POST DETAIL

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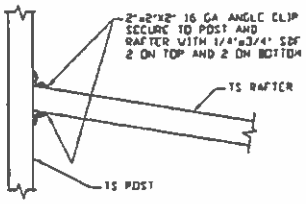

12 LEAN-TO RAFTER TO RAFTER POST CONNECTION DETAIL

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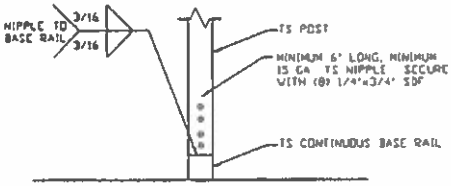

14 LEAN-TO POST CONNECTION DETAIL

SCALE NTS

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	PROJECT MGR: WSN	DATE: 5-18-16	SCALE: NTS	JOB NO. 166225
	CLIENT: TBS	SHT. 12	DWG. NO. SK-2	REV.: 2

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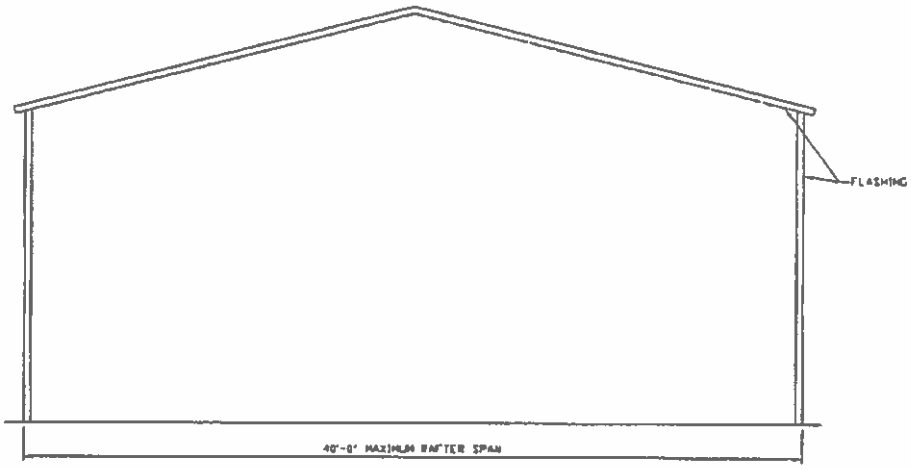
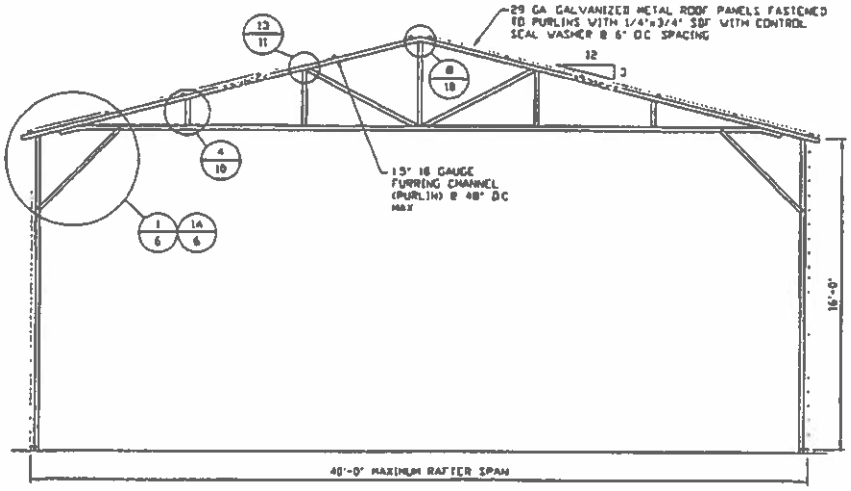
BOX EAVE RAFTER VERTICAL ROOF OPTION



TYPICAL END ELEVATION VERTICAL ROOF
SCALE 1/8" = 1'-0"



TYPICAL SECTION VERTICAL ROOF OPTION
SCALE 1/8" = 1'-0"

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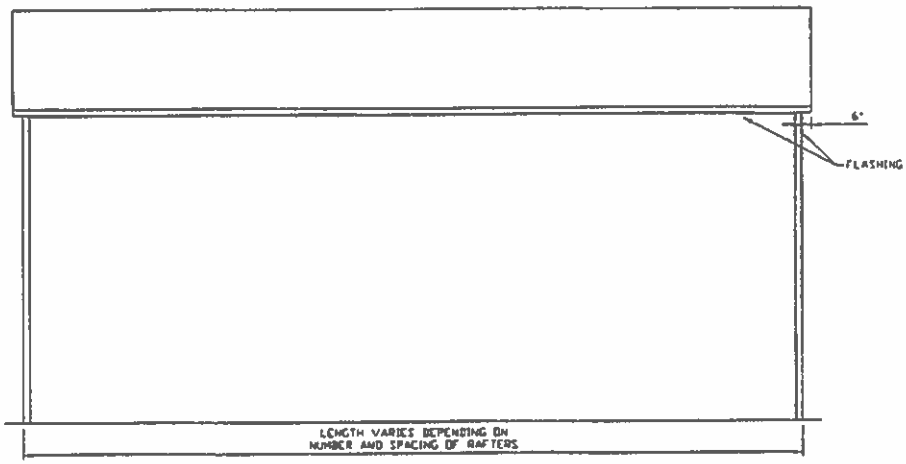
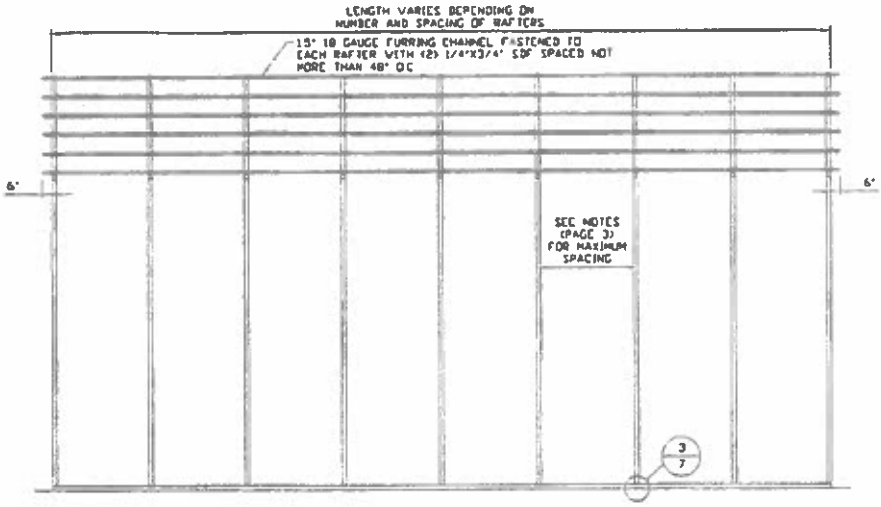
	CLIENT: TBS	SHT. 13	DWG. NO: SK-2	REV: 2

BOX EAVE RAFTER VERTICAL ROOF OPTION



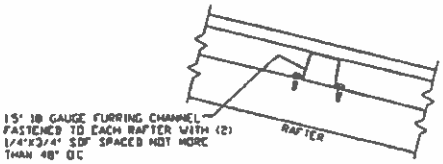
TYPICAL SIDE ELEVATION VERTICAL ROOF

SCALE 1/8" = 1'-0"



TYPICAL FRAMING SECTION VERTICAL ROOF OPTION

SCALE 1/8" = 1'-0"



ROOF PANEL ATTACHMENT

(ALTERNATE FOR VERTICAL ROOF PANELS)

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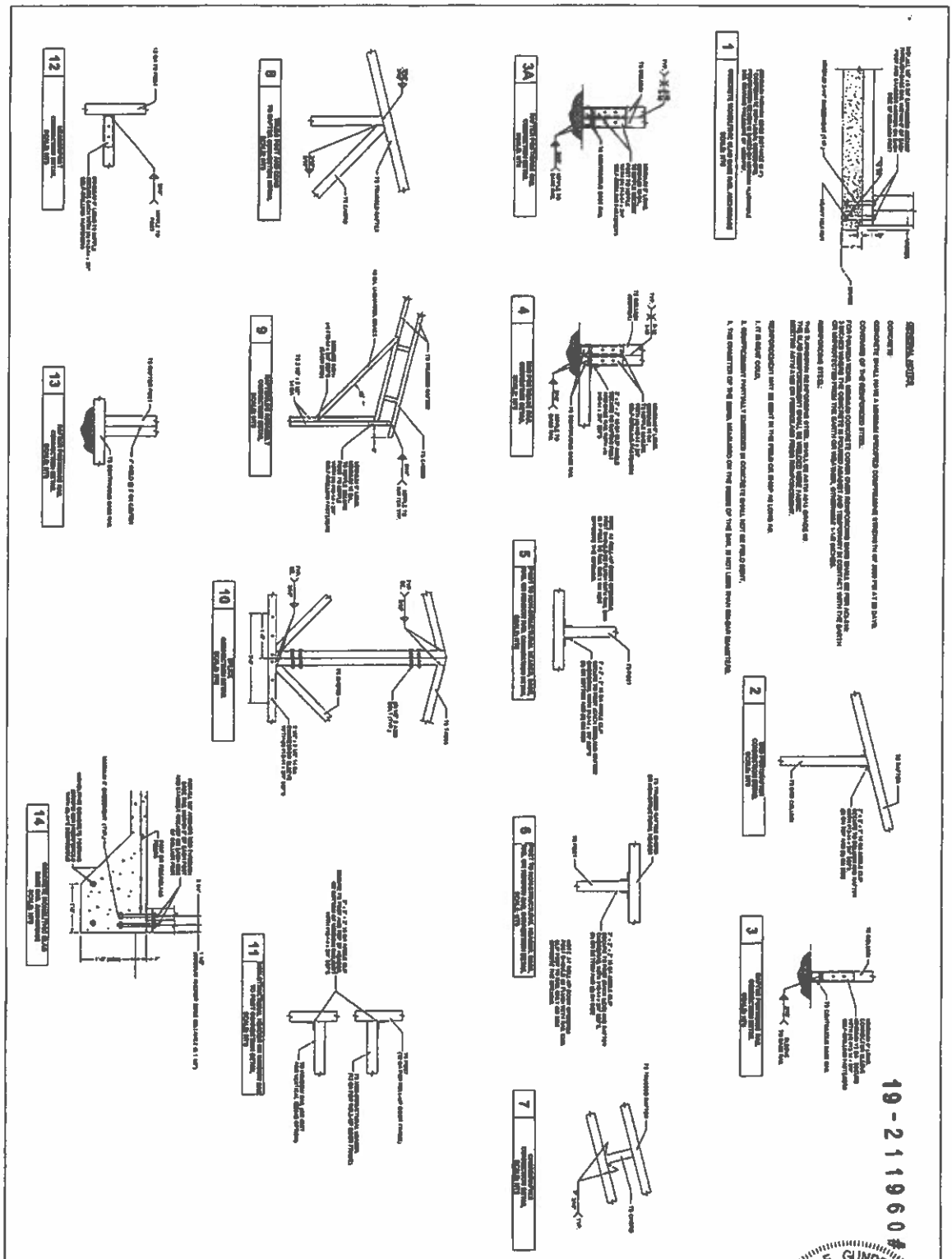
	CLIENT: TBS	SHT. 14	DWG. NO: SK-2	REV.: 2

EXHIBIT P-2



19-211960#

CONTRACTOR:
TUBULAR BUILDING SYSTEMS

PROJECT ADDRESS:
JFRD STATION 63
5850 GATE PARKWAY
JACKSONVILLE, FL

FLORIDA ENGINEERING LLC
4456 TAMIAMI TRAIL, UNIT B14
PORT CHARLOTTE, FLORIDA 33980
(941) 391-5980
www.flengineeringllc.com

PROJECT NO. 1917908

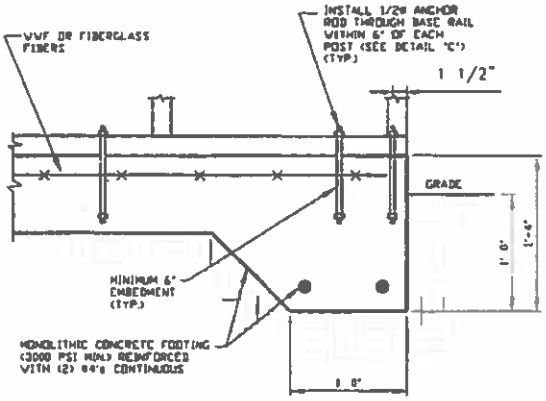
CA CERT. #30782

CRAIG E. GUNDERSON
LICENSE
No. 60102
STATE OF FLORIDA
PROFESSIONAL ENGINEER

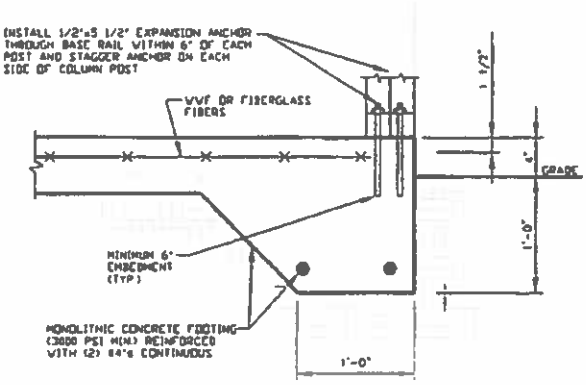
Craig E. Gunderson, P.E. #60102
DATE: 07/11/2019

DESIGN DATE: 07/02/2019
REVISION 1: DATE
REVISION 2: DATE
SCALE: NTS
PAGE: 3

OPTIONAL FOUNDATION ANCHORAGE FOR HIGH & LOW WIND SPEED



1A CONCRETE MONOLITHIC SLAB BASE RAIL ANCHORAGE
SCALE NTS
(MINIMUM ANCHOR EDGE DISTANCE IS 1 1/2")



1B CONCRETE SLAB BASE RAIL ANCHORAGE
SCALE NTS
(MINIMUM ANCHOR EDGE DISTANCE IS 1 1/2")

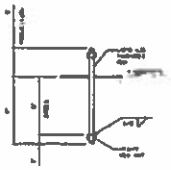
GENERAL NOTES

CONCRETE:
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS

COVER OVER REINFORCING STEEL:
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318
3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER, AND 1 1/2 INCHES ELSEWHERE

REINFORCING STEEL:
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT

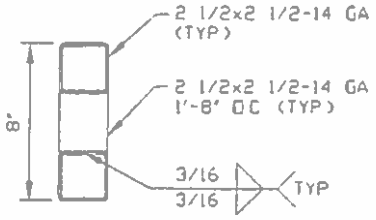
REINFORCEMENT MAY BE BENT IN THE SHOP OR THE FIELD PROVIDED:
1 REINFORCEMENT IS BENT COLD
2 THE DIAMETER OF THE BEND MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS
3 REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT



1C ANCHOR ROD THROUGH BASE RAIL DETAIL
SCALE NTS

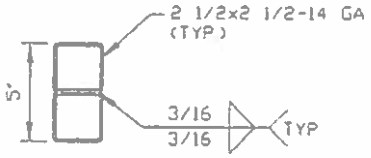
MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BY: JN	TUBULAR BUILDING SYSTEMS 40'x16' ENCLOSED BUILDING		
	CHECKED BY: PDM			
THIS DOCUMENT IS THE PROPERTY OF MOORE AND ASSOCIATES, INC. THE UNAUTHORIZED REPRODUCTION, COPYING, OR OTHERWISE USE OF THIS DOCUMENT IS STRICTLY PROHIBITED AND ANY INFRINGEMENT THEREUPON MAY BE SUBJECT TO LEGAL ACTION.	PROJECT MGR: VSN	DATE: 5-18-16	SCALE: NTS	JOB NO: 160225
	CLIENT: TBS	SHT. 19	DWG. NO: SK-2	REV.: 2

OPTIONAL DOOR HEADER



HEADER DETAIL FOR DOOR OPENINGS 10'< LENGTH <15'

SCALE NTS



HEADER DETAIL FOR DOOR OPENINGS LENGTH <10'

SCALE NTS

MOORE AND ASSOCIATES ENGINEERING AND CONSULTING, INC.	DRAWN BY: JM	TUBULAR BUILDING SYSTEMS 40'x16' ENCLOSED BUILDING	
	CHECKED BY: PDH		
	PROJECT MGR: VSH	DATE: 5-18-16	SCALE: NTS	JOB NO. 16022S
	CLIENT: TBS	SHT. 16	DWG. NO SK-2	REV: 2

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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 P-1, known as Amendment 14A to provide Phase 1 Construction Services for a temporary Fire Station #76 in the amount $532,636.14 which includes $89,832.11 in contingency and bonds, allowing for the completion of the work within 90 days from the notice to proceed.

FUNDING SOURCE: 32111.127001.565050.010336.00000000.00000.0000000 - To be executed by formal contract amendment through the Office of General Counsel and encumbered by purchase order.

ATTACHMENTS: Recommendation Memo, Exhibit P-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

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

MEMBERS APPROVING 5 MEMBERS DISAPPROVING 0 DATE: 4/20/2023

OTHER: _____

ACTION OF AWARDING AUTHORITY DATE 4/21/23

APPROVED ✓ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

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