SUBJECT: **RFQ FOR DESIGN-BUILD SVCS FOR VERTICAL/ARCHITECTURAL PROJECTS**

BID # **CDB-0007-16** OPEN DATE: **10/21/2015**

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: **DEPARTMENT OF PUBLIC WORKS**

BASIS OF AWARD: **QUALIFICATIONS BASED**

NUMBER OF BIDS INVITED: - NUMBER RECEIVED: - OTHER: -

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The Department of Public Works has completed negotiations with Auld & White Constructors, LLC, for the 911 Backup Call Center in accordance with subject bid.

Recommend approval of award to Auld & White Constructors, LLC, for the Guaranteed Maximum Price in the amount of $121,990.94 for 60% Design Development for the 911 Backup Call Center, per Scope & Fee Summary "Exhibit G-1" and allowing 115 days for completion from the Confirmation of Programming, Site and Buildings Layout after notice to proceed.

Funding for this project to be executed by Amendment 5A for contract # 9182-03 and encumbered by account:
FRCP32EFS-069505-PW0837-01

Attachments: Recommendation Memo, Exhibit "G-1", Previous Award(s)

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED Gregory Pease
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: **Tom Fallin, P.E., Chief, Engineering and Construction Management Division/ Kurtis Wilson, Director of Fire and Rescue**

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

MEMBERS APPROVING_____ MEMBERS DISAPPROVING_____ DATE:_____

_____ _____ OTHER_____

_____ _____

_____ _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED_____ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

ONE CITY. ONE JACKSONVILLE

City of Jacksonville, Florida

Lenny Curry, Mayor

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

February 20, 2018

TO: Gregory W. Pease
Chief of Procurement

THRU: John P. Pappas, P.E.
Director

FROM: Tom Fallin, PE
Chief, Engineering and Construction Management Division

Kurtis Wilson
Director of Fire and Rescue

SUBJECT: CDB-0007-16 – Design-Build Services –Vertical/Architectural Projects – 911 Backup Call Center 60% Design Proposal AMENDMENT 5A FRCP32EFS-069505-PW0837-01 $121,990.94

Based on the Design Criteria Package developed by City engineers, the Department of Public Works, in accordance with Design/Build CDB-0007-16, Contract 9182-03 has completed negotiations with Auld & White Constructors, LLC., for the 60% design of the 911 Backup Call Center. Negotiations have resulted in the GMP amount of $121,990.94 to provide the 60% Design Development and the Guarantee Maximum Price (GMP) for the 911 Backup Call Center, as indicated on the attached Scope & Fee Summary, Exhibit G-1. The work is to be completed 115 days from the Confirmation of Programming, Site and Building Layout (NTP).

Accordingly, this is to recommend that Contract No #9182-03, originally executed July 14, 2016, between the City and Auld & White Constructors, LLC. for Design-Build Services-Vertical/Architectural Projects, be amended to incorporate the attached Scope and Fee Summary, Exhibit G-1 for the 60% Design for the 911 Backup Call Center for the amount of $121,990.94 known as Amendment 5A.

TF/lw

Attachment: Exhibit G-1 - Scope & Fee Summary

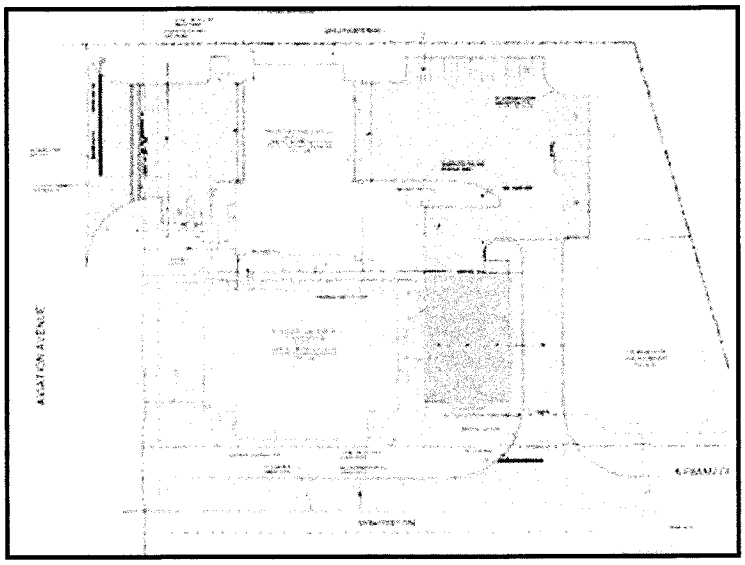
ab

REQUEST FOR PROPOSALS

FOR

DESIGN & CONSTRUCTION OF

911 BACKUP CALL CENTER
CECIL COMMERCE CENTER - 5847 AVIATION AVENUE
NE Corner of Aviation Avenue and Airman Drive - RE # 002249.0005



DESIGN – BUILD CONSTRUCTION DELIVERY METHOD

CITY / COUNTY WIDE CONSTRUCTION IMPROVEMENT PROJECTS

RFQ-CDB-0008-1
DESIGN CRITERIA PACKAGE

PROCUREMENT DIVISION

JACKSONVILLE FIRE & RESCUE DEPARTMENT

PUBLIC WORKS DEPARTMENT
RELEASE DATE: JANUARY 12th, 2018

PREPARED BY ENGINEERING & CONSTRUCTION MANAGEMENT DIVISION

CITY OF JACKSONVILLE, FLORIDA

AULD & WHITE
CONSTRUCTORS • LLC

February 12, 2018

Re: RFQ-CDB-0008-01
911 Backup Call Center
60% Design Fee Proposal

Ms. Maria Williams, PE.
City of Jacksonville Engineering Department
214 N. Hogan Street
Jacksonville, Florida 32202

Dear Ms. Williams:

Auld & White Constructors, LLC (AWC) is pleased to submit our proposal for 60% Design and Preconstruction Services for 911 Backup Call Center.

The project consists of a call center with supplementary rooms for infrastructure and employee use. The space will be utilized by both the Jacksonville Fire and Rescue Department and the Jacksonville Sheriff's Office. The 13,317-square foot tilt-up building will be designed and constructed to meet all local and state requirements along with achieving one of the approved Energy Efficiency Rating Systems outlined by the City of Jacksonville. Additional scope includes generator, sitework, fencing and landscape.

Deliverables include:

1. Civil and landscape design in the form of (60%) design development.
2. Architectural, structural, plumbing, fire protection, mechanical and electrical design in the form of (60%) design development.
3. A Guaranteed Maximum Price (GMP) at (60%) Design Development.
4. Preconstruction and Construction Schedule Development.

Your investment for these services is $121,990.94.

If you have any questions or need further clarification, please feel free to contact me at (904) 296-2555 or (904) 759-1048. Thank you for this opportunity and we look forward to working with the City of Jacksonville and the Jacksonville Fire & Rescue Department on another successful project.

Sincerely,

Nathaniel T. Marty
CEO & President

attachments

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project **City of Jacksonville 911 Back-Up Call Center** **Preconstruction & 60% Design Fees**	**2. Proposal Number** 1-16 CDB-0008-01
3. Name of Consultant **Auld & White Constructors, LLC.**	**4. Date of Proposal** **2/1/2018**

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Executive	$ 93.33	12	$ 1,119.96	
Project Manager	$ 83.33	56	$ 4,666.48	
Director of Preconstruction Services	$ 86.67	64	$ 5,546.88	
Constructability Review Specialist	$ 60.00	18	$ 1,080.00	
TOTAL DIRECT LABOR	**$ 82.75**	**150**		$ 12,413.00
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	150 % x Total Direct Labor			$ 18,620.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 31,033.00
8. PROFIT: Labor Related Costs (Item 7)			x 7.5%	$ 2,327.00
9. SUBCONSULTANT COORDINATION: Items 11			7.5%	$ 5,911.00

PART III - OTHER COSTS

10. Miscellaneous Direct Costs		
Original Media	$ 435.00	
Courier Fees	$ 225.00	
Parking Fees	$ 65.00	
Transportation	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$ 725.00
11. SUBCONTRACTS (Lump Sum)		
Goodson Nevin & Associates (Site Design Fee is with Fire Station No. 73)	$ 0.00	
Ebert Norman & Brady Architects	$ 78,809.94	
SUB-CONTRACT SUB-TOTAL		$ 78,809.94
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 118,805.00
12. Reimbursable Costs - Limiting Amount		
Reproduction	$ 3,185.00	
SUB-TOTAL REIMBURSABLES		3185.00

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, 11 and 12)	**$ 121,990.94**

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees**	**2. Proposal Number** 7-16 CDB-000~~6~~-01
3. Name of Consultant Ebert Norman Brady Architects	**4. Date of Proposal** **2/1/2018**

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 52.88	48	$ 2,538.24	
Project Manager	$ 43.27	128	$ 5,538.56	
Architect	$ 34.13	0	$ 0.00	
Architectural Technician	$ 27.00	120	$ 3,240.00	
Interior Designer	$ 34.13	28	$ 955.64	
Clerical	$ 17.00	8	136.00	
TOTAL DIRECT LABOR	**$ 37.37**	**332**		$ 12,408.44
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	165 % x Total Direct Labor			$ 20,474.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 32,882.44
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 3,288.00
9. SUBCONSULTANT COORDINATION: Items 11			0%	$ -

PART III - OTHER COSTS

10. Miscellaneous Direct Costs			
Original Media	$	0.00	
Reproduction	$	0.00	
Transportation	$	125.40	
Shipping	$	100.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$		$ 225.40
11. SUBCONTRACTS (Lump Sum)			
Civil Engineering / Landscape Architecture - Goodson-Nevin (Not Included)	$	0.00	
Structural Engineering - Atlantic Engineering Serv	$	14,201.00	
Mechanical & Plumbing Engineering - Simes & Ro	$	14,825.72	
Electrical Engineering - Ohmega Group	$	9,276.46	
Acoustic Design - RML Acoustics	$	1,801.00	
Fire Sprinkler Engineering - Neptune Fire Protection	$	2,309.92	
	$		
	$		
SUB-CONTRACT SUB-TOTAL	$		$ 42,414.10
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			$ 78,809.94
12. Reimbursable Costs - Limiting Amount			
	$	0.00	
	$		
	$		
SUB-TOTAL REIMBURSABLES			$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, 11 and 12)	**$ 78,809.94**

ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

Project Name: **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees**
Consultant: Ebert Norman Brady Architects
RFP NO.: CDB-~~0008~~-01 0007-16
Prepared by: Bill Ebert
Date: #######
AWC Job No.: E 09-019-01

No.	ACTIVITY	Principal Rate = $52.88		Project Manager Rate = $43.27		Architect Rate = $34.13		Cadd Technician Rate = $27.00		Interior Designer Rate = $34.13		Clerical / Admin Rate = $17.00	
		Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost
1	Conceptual design (30%)	32	$1,692.16	48	$2,076.96		$0.00	60	$1,620.00	12	$409.56	4	$68.00
2	Design Development (60%)	16	$846.08	80	$3,461.60		$0.00	60	$1,620.00	16	$546.08	4	$68.00
3	Construction Docs (100%)		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00
4	Bid/Permit		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00
5	Construction Administration		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00
	TOTAL	48	$2,538.24	128	$5,538.56	0	$0.00	120	$3,240.00	28	$955.64	8	$136.00

No.	ACTIVITY	Man Hours	Labor Cost	Man Hours	Labor Cost					Man Hours by Activity	Salary Cost by Activity	Avg. Hourly Cost	Salary Cost Dist. %
1	Conceptual design (30%)		$0.00		$0.00					156	$5,866.68	$37.61	47.3
2	Design Development (60%)		$0.00		$0.00					176	$6,541.76	$37.17	52.7
3	Construction Docs (100%)		$0.00		$0.00					0	$0.00	$0.00	0.0
4	Bid/Permit		$0.00		$0.00					0	$0.00	$0.00	0.0
5	Construction Administration		$0.00		$0.00					0	$0.00	$0.00	0.0
	TOTAL	0	$0.00	0	$0.00					332	$12,408.44	$37.37	100.0

MISCELLANEOUS DIRECT COST

Project Name: **City of Jacksonville BackUp Call Center** — **Preconstruction & 60% Design Fee**
Consultant: Ebert Norman Brady Architects
RFP NO.: CDB-~~0008~~-01 6057-15
Prepared by: Bill Ebert
Date: 02/01/18 — Job No. E 09-019-01

ITEM DESCRIPTION							ITEM TOTAL	COMMENTS
Original Mylar Reproducibles			Sheets @	$0.00	Per Sheet =			Not in scope
Project Electronic Files on CD		0	CD's @	$100 00	Per CD		$0 00	
Reproduction (Black Lines and Photocopies)								
		Black Line		Photocopy				
	Sets	22 x 34	11"x17"	8 1/2" x 11"				
30% Design Submittal						Sheets		
60% Design Submittal						Sheets		
	Total Sheets	0	0	0				
Cost	22 x 34	0	Sheets @	$ 0 72	=	$0.00		
	11"x17"	0	Sheets @	$ 0 20	=	$0.00		
	8 1/2" x 11"	0	Sheets @	$ 0 10	=	$0 00	$0.00	
Travel From: Consultant Office Location to Destination (Round Trip Miles)								
Destination	# Trips			Per Mile				
Project Site	1	x 76	miles x	$0 57	=	$43 32		
City of Jacksonville	2	x 44	miles x	$0 57	=	$50 16		
Coord Meetings	2	x 28	miles x	$0 57	=	$31 92		
							$125.40	
Shipping		4	Deliveries @	$ 25 00	Each		$100.00	
TOTAL COST							$225.40	

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees**	**2. Proposal Number** 7-16 CDB-0008-01
3. Name of Consultant **Atlantic Engineering Services**	**4. Date of Proposal** **12/15/2017**

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 65.00	8	$ 520.00	
Project Engineer	$ 55.00	28	$ 1,540.00	
Design Engineer	$ 48.00	28	$ 1,344.00	
BIM Technician	$ 36.00	44	$ 1,584.00	
Clerical	$ 22.00	8	$ 176.00	
TOTAL DIRECT LABOR	**$ 44.52**	**116**		**$ 5,164.00**
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	150 % x Total Direct Labor			$ 7,746.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 12,910.00
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 1,291.00
9. SUBCONSULTANT COORDINATION: Items 11			0%	$ -

PART III - OTHER COSTS

10. Miscellaneous Direct Costs			
Original Media	$	0.00	
Reproduction	$	0.00	
Transportation	$	0.00	
Shipping	$	0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$		$ -
11. SUBCONTRACTS (Lump Sum)			
	$	0.00	
	$	0.00	
	$	0.00	
	$		
	$		
	$		
	$		
	$		
SUB-CONTRACT SUB-TOTAL	$		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			$ 14,201.00
12. Reimbursable Costs - Limiting Amount			
	$	0.00	
	$		
	$		
SUB-TOTAL REIMBURSABLES			$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, 11 and 12)	**$ 14,201.00**

ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

Project Name: **City of Jacksonville BackUp Call Center** — **Preconstruction & 60% Design Fees**
Consultant: Atlantic Engineering Services
RFP NO.: CBD-~~0008~~-16 -0007-16
Prepared by: David Webb
Date: #######
AWC Job No. E 09-019-01

No.	ACTIVITY	Principal Rate = $65 00		Project Engineer Rate = $55 00		Design Engineer Rate = $48 00		BIM Technician Rate = $36 00		Clerical / Admin Rate = $22 00		Rate =	
		Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost
1	Concept Design (30%)	4	$260 00	16	$880 00	16	$768 00	20	$720 00	4	$88 00		$0 00
2	Design Develepment (60%)	4	$260 00	12	$660 00	12	$576.00	24	$864 00	4	$88 00		$0 00
3			$0 00		$0 00		$0 00		$0 00		$0 00		$0 00
4			$0.00		$0 00		$0 00		$0 00		$0 00		$0 00
5			$0 00		$0 00		$0.00		$0 00		$0 00		$0 00
6			$0 00		$0.00		$0.00		$0 00		$0 00		$0.00
	TOTAL	8	$520.00	28	$1,540 00	28	$1,344 00	44	$1,584 00	8	$176 00	0	$0.00

No.	ACTIVITY	Rate =		Rate =						Man Hours by Activity	Salary Cost by Activity	Avg. Hourly Cost	Salary Cost Dist %
		Man Hours	Labor Cost	Man Hours	Labor Cost								
1			$0 00		$0 00					60	$2,716 00	$45 27	52.6
2			$0 00		$0 00					56	$2,448.00	$43 71	47 4
3			$0 00		$0 00					0	$0 00	$0 00	0 0
4			$0 00		$0 00					0	$0 00	$0 00	0 0
5			$0 00		$0 00					0	$0 00	$0 00	0 0
6			$0 00		$0 00					0	$0.00	$0 00	0 0
	TOTAL	0	$0.00	0	$0 00					116	$5,164.00	$44 52	100 0

MISCELLANEOUS DIRECT COST

Project Name: **City of Jacksonville BackUp Call Center** — **Preconstruction & 60% Design Fee**
Consultant: Atlantic Engineering Services
RFP NO.: CDB-0008-01
Prepared by:
Date: Job No.

ITEM DESCRIPTION							ITEM TOTAL	COMMENTS
Original Mylar Reproducibles			Sheets @	$0 00	Per Sheet =			Not in scope
Project Electronic Files on CD		0	CD's @	$100 00	Per CD		$0 00	
Reproduction (Black Lines and Photocopies)								
	Sets	Black Line 24 x 36	Black Line 11"x17"	Photocopy 8 1/2" x 11"				
Conceptual Design						Sheets		
30% Submittal						Sheets		
SJRWMD 1st Review						Sheets		
SJRWMD RAI						Sheets		
COJ 10 Set Review						Sheets		
COJ Final Review						Sheets		
COJ Clearing Plans						Sheets		
Final Submittal						Sheets		
	Total Sheets	0	0	0				
Cost	24 x 36	0	Sheets @	$ 0 72	=	$0 00		
	11"x17"	0	Sheets @	$ 0 20	=	$0 00		
	8 1/2" x 11"	0	Sheets @	$ 0 10	=	$0 00	$0.00	
Travel From Consultant Office Location to Destination (Round Trip Miles)								
Destination	# Trips			Per Mile				
Project Site		x 6	miles x	$0 30	=	$0 00		
SJRWMD		x 20	miles x	$0 30	=	$0 00		
City of Jacksonville		x 36	miles x	$0 30	=	$0 00		
Coord. Meetings		x 25	miles x	$0 30	=	$0 00		
Clearing Permit		x 36	miles x	$0 30	=	$0 00	$0.00	
Shipping			Deliveries @		Each		$0.00	5 Deliveries Each submittal plus 5 extra
TOTAL COST							$0.00	

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project **City of Jacksonville Backup Call Center** **Preconstruction & 60% Design Fees**	**2. Proposal Number** CDB-0008-01
3. Name of Consultant Simes and Rosch Engineering	**4. Date of Proposal** **12/15/2017**

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$62.50	8	$ 500.00	
Senior Engineer	$54.93	52	$ 2,856.36	
Engineer	$51.14	20	$ 1,022.80	
Engineering Tech.	$26.52	40	$ 1,060.80	
Clerical / Admin	$21.97	8	$ 175.76	
TOTAL DIRECT LABOR	**$ 43.87**	**128**		$ 5,615.72
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	140 % x Total Direct Labor			$ 7,862.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 13,477.72
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 1,348.00
9. SUBCONSULTANT COORDINATION: Items 11			0%	$ -

PART III - OTHER COSTS

10. Miscellaneous Direct Costs		
Original Media	$ 0.00	
Reproduction	$ 0.00	
Transportation	$ 0.00	
Shipping	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$	$ -
11. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$	
	$	
	$	
	$	
	$	
SUB-CONTRACT SUB-TOTAL	$	$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 14,825.72
12. Reimbursable Costs - Limiting Amount		
	$ 0.00	
	$	
	$	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, 11 and 12)	**$ 14,825.72**

ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

Project Name: **City of Jacksonville Backup Call Center** **Preconstruction & 60% Design Fees**
Consultant: Simes and Rosch Engineering
RFP NO.: CDB-0008-01
Prepared by: Scott Rosch
Date: 12/15/17 AWC Job No E 09-019-01

No / ACTIVITY	Principal Rate = $62 50		Senior Engineer Rate = $54 93		Engineer Rate = $51 14		Engineering Tech. Rate = $26 52		Clerical / Admin Rate = $21.97		Rate =	
	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost
1 60% Design Drawings	2	$125 00	10	$549 30	20	$1,022 80	40	$1,060.80	4	$87.88		$0 00
2 60% Design Specifications	2	$125 00	12	$659 16		$0 00		$0.00	4	$87 88		$0 00
3 LEED Analysis	4	$250 00	30	$1,647 90		$0 00		$0 00		$0.00		$0 00
4		$0 00		$0 00		$0.00		$0.00		$0.00		$0 00
5		$0 00		$0 00		$0 00		$0 00		$0.00		$0 00
6		$0 00		$0 00		$0 00		$0 00		$0.00		$0 00
TOTAL	8	$500 00	52	$2,856 36	20	$1,022 80	40	$1,060.80	8	$175 76	0	$0 00

No. / ACTIVITY									Man Hours by Activity	Salary Cost by Activity	Avg. Hourly Cost	Salary Cost Dist. %
1 60% Design Drawings									76	$2,845 78	$37.44	50 7
2 60% Design Specifications									18	$872 04	$48 45	15 5
3 LEED Analysis									34	$1,897 90	$55 82	33 8
4 0									0	$0.00	$0 00	0 0
5 0									0	$0 00	$0 00	0 0
6 0									0	$0.00	$0 00	0 0
TOTAL	0	$0 00	0	$0 00					128	$5,615.72	$43 87	100.0

MISCELLANEOUS DIRECT COST

Project Name:	**City of Jacksonville Backup Call Center**	**Preconstruction & 60% Design Fees**
Consultant	Simes and Rosch Engineering	
RFP NO.	CDB-0008-01	
Prepared by:	Scott Rosch	
Date:	12/15/17	Job No

ITEM DESCRIPTION								ITEM TOTAL	COMMENTS
Original Mylar Reproducibles			Sheets @		$0 00	Per Sheet =			Not in scope
Project Electronic Files on CD		0	CD's @		$100 00	Per CD		$0 00	
Reproduction (Black Lines and Photocopies)									
		Black Line		Photocopy					
	Sets	24 x 36	11"x17"	8 1/2" x 11"					
Conceptual Design							Sheets		
30% Submittal							Sheets		
SJRWMD 1st Review							Sheets		
SJRWMD RAI							Sheets		
COJ 10 Set Review							Sheets		
COJ Final Review							Sheets		
COJ Clearing Plans							Sheets		
Final Submittal							Sheets		
	Total Sheets	0	0	0					
Cost	**24 x 36**	0	Sheets @	$	0.72	=	$0.00		
	11"x17"	0	Sheets @	$	0.20	=	$0.00		
	8 1/2" x 11"	0	Sheets @	$	0.10	=	$0.00	**$0.00**	
Travel From Consultant Office Location to Destination (Round Trip Miles)									
Destination	# Trips				Per Mile				
Project Site		x	6	miles x	$0 30	=	$0.00		
SJRWMD		x	20	miles x	$0.30	=	$0.00		
City of Jacksonville		x	36	miles x	$0.30	=	$0 00		
Coord. Meetings		x	25	miles x	$0 30	=	$0 00		
Clearing Permit		x	36	miles x	$0 30	=	$0 00		
								$0.00	
Shipping				Deliveries @		Each		**$0.00**	5 Deliveries Each submittal plus 5 extra
TOTAL COST								**$0.00**	

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees - REVISED**	**2. Proposal Number** CDB-0008-01
3. Name of Consultant The Ohmega Group	**4. Date of Proposal** **1/16/2018**

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$67.85	6	$ 407.10	
Project Manager	$56.28	6	$ 337.68	
Staff Engineer	$37.51	0	$ 0.00	
Technical Designer	$33.82	44	$ 1,488.08	
CADD Drafter	$19.31	44	$ 849.64	
Clerical / Admin	$24.28	2	48.56	
TOTAL DIRECT LABOR	**$ 30.70**	**102**		**$ 3,131.06**
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	165.24 % x Total Direct Labor			$ 5,174.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 8,305.06
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 831.00
9. SUBCONSULTANT COORDINATION: Items 11			0%	$ -

PART III - OTHER COSTS

10. Miscellaneous Direct Costs			
Original Media	$	0.00	
Reproduction	$	0.00	
Transportation	$	0.00	
Shipping	$	0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$		$ -
11. SUBCONTRACTS (Lump Sum)			
	$	0.00	
	$	0.00	
	$	0.00	
	$		
	$		
	$		
	$		
	$		
SUB-CONTRACT SUB-TOTAL	$		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			$ 9,136.06
12. Reimbursable Costs - Limiting Amount			
	$	140.40	
	$		
	$		
SUB-TOTAL REIMBURSABLES			$ 140.40

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, 11 and 12)	**$ 9,276.46**

ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

Project Name: **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees - REV**
Consultant The Ohmega Group
RFP NO.
Prepared by: Mark A. Morley
Date: ####### AWC Job No. E 09-019-01

No. / ACTIVITY	Principal Rate = $67.85		Senior Engineer Rate = $56.28		Staff Engineer Rate = $37.51		Technical Designer Rate = $33.82		CADD Drafter Rate = $19.31		Clerical / Admin Rate = $24.28	
	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost
1 Schematic Design (30%)	2	$135.70	2	$112.56	0	$0.00	20	$676.40	20	$386.20	0	$0.00
2 Design Development (60%)	4	$271.40	4	$225.12	0	$0.00	24	$811.68	24	$463.44	2	$48.56
3 CD's (100%)	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
4 Bid/Permit	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
5 Construction Admin	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
6 LEED / FGBC	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00
TOTAL	6	$407.10	6	$337.68	0	$0.00	44	$1,488.08	44	$849.64	2	$48.56

No. / ACTIVITY									Man Hours by Activity	Salary Cost by Activity	Avg. Hourly Cost	Salary Cost Dist %
	Man Hours	Labor Cost	Man Hours	Labor Cost								
1 Schematic Design (30%)		$0.00		$0.00					44	$1,310.86	$29.79	41.9
2 Design Development (60%)		$0.00		$0.00					58	$1,820.20	$31.38	58.1
3 CD's (100%)		$0.00		$0.00					0	$0.00	$0.00	0.0
4 Bid/Permit		$0.00		$0.00					0	$0.00	$0.00	0.0
5 Construction Admin		$0.00		$0.00					0	$0.00	$0.00	0.0
6 LEED / FGBC		$0.00		$0.00					0	$0.00	$0.00	0.0
TOTAL	0	$0.00	0	$0.00					102	$3,131.06	$30.70	100.0

MISCELLANEOUS DIRECT COST

Project Name: **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees** ISE
Consultant The Ohmega Group
RFP NO.
Prepared by:
Date: Job No.

ITEM DESCRIPTION								ITEM TOTAL	COMMENTS
Original Mylar Reproducibles			Sheets @		$0 00	Per Sheet =			Not in scope
Project Electronic Files on CD		0	CD's @		$100 00	Per CD		$0 00	
Reproduction (Black Lines and Photocopies)									
		Black Line		Photocopy					
	Sets	24 x 36	11"x17"	8 1/2" x 11"					
Conceptual Design							Sheets		
30% Submittal							Sheets		
SJRWMD 1st Review							Sheets		
SJRWMD RAI							Sheets		
COJ 10 Set Review							Sheets		
COJ Final Review							Sheets		
COJ Clearing Plans							Sheets		
Final Submittal							Sheets		
	Total Sheets	0	0	0					
Cost:	24 x 36	0	Sheets @	$	0 72	=	$0 00		
	11"x17"	0	Sheets @	$	0 20	=	$0 00		
	8 1/2" x 11"	0	Sheets @	$	0 10	=	$0 00	$0.00	
Travel From: Consultant Office Location to Destination (Round Trip Miles)									
Destination	# Trips				Per Mile				
Project Site Visits/ CA	4	x	44	miles	x	$0 54	= $95.04		RT from Ohmega to site @ Cecil Field
City of Jacksonville	0	x	0	miles	x	$0 54	= $0 00		
Coord. Meetings	4	x	21	miles	x	$0 54	= $45.36		RT from Ohmega to 4168 Southpoint Pkwy (A&W)
Coord. Meetings	0	x	0	miles	x	$0 54	= $0.00		
Clearing Permit		x	36	miles	x	$0.30	= $0 00	$140.40	
Shipping				Deliveries @			Each	$0.00	5 Deliveries Each submittal plus 5 extra
TOTAL COST								$140.40	

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees**	**2. Proposal Number** CDB-0008-01
3. Name of Consultant RML Acoustics	**4. Date of Proposal** **12/15/2017**

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 50.00	10	$ 500.00	
Cadd Technician	$ 25.00	8	$ 200.00	
TOTAL DIRECT LABOR	**$ 38.89**	**18**		$ 700.00
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	130 % x Total Direct Labor			$ 910.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 1,610.00
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 161.00
9. SUBCONSULTANT COORDINATION: Items 11			0%	$ -

PART III - OTHER COSTS

10. Miscellaneous Direct Costs			
Original Media	$	0.00	
Reproduction	$	0.00	
Transportation	$	0.00	$ 30.00
Shipping	$	0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$		$ -
11. SUBCONTRACTS (Lump Sum)			
	$	0.00	
	$	0.00	
	$	0.00	
	$		
	$		
	$		
	$		
	$		
SUB-CONTRACT SUB-TOTAL	$		$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)			$ 1,801.00
12. Reimbursable Costs - Limiting Amount			
	$	0.00	
	$		
	$		
SUB-TOTAL REIMBURSABLES			$ -

PART IV - SUMMARY

TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, 11 and 12)	**$ 1,801.00**

ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

Project Name: **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees**
Consultant: RML Acoustics
RFP NO.: CDB-0008-01
Prepared by: Rob Lilkendey
Date: #######
AWC Job No. E 09-019-01

No.	ACTIVITY	Principal Rate $50 00		Project Manager Rate		Superintendent Rate		Cadd Technician Rate $25 00		Contract Admin Rate		Clerical / Admin Rate	
		Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost
1	Concept Design (30%)	4	$200.00		$0 00		$0 00	0	$0 00		$0 00		$0.00
2	Design Development (60%)	6	$300.00		$0 00		$0 00	8	$200 00		$0 00		$0 00
3			$0 00		$0 00		$0 00		$0 00		$0 00		$0 00
4			$0 00		$0.00		$0.00		$0 00		$0 00		$0 00
5			$0 00		$0 00		$0 00		$0 00		$0 00		$0 00
6			$0 00		$0 00		$0 00		$0 00		$0 00		$0 00
	TOTAL	10	$500 00	0	$0 00	0	$0 00	8	$200 00	0	$0.00	0	$0 00

No.	ACTIVITY	Rate		Rate						Man Hours by Activity	Salary Cost by Activity	Avg. Hourly Cost	Salary Cost Dist. %
		Man Hours	Labor Cost	Man Hours	Labor Cost								
1	Concept Design (30%)		$0 00		$0 00					4	$200.00	$50 00	28 6
2	Design Development (60%)		$0 00		$0.00					14	$500 00	$35 71	71 4
3			$0 00		$0.00					0	$0 00	$0 00	0 0
4			$0 00		$0.00					0	$0 00	$0 00	0 0
5			$0 00		$0.00					0	$0 00	$0 00	0 0
6			$0 00		$0.00					0	$0 00	$0.00	0 0
	TOTAL	0	$0 00	0	$0.00					18	$700.00	$38.89	100 0

MISCELLANEOUS DIRECT COST

Project Name: **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fee**
Consultant: RML Acoustics
RFP NO.: CDB-0008-01
Prepared by:
Date: Job No.

ITEM DESCRIPTION						ITEM TOTAL	COMMENTS
Original Mylar Reproducibles		Sheets @	$0.00	Per Sheet =			Not in scope
Project Electronic Files on CD		0 CD's @	$100.00	Per CD		$0.00	
Reproduction (Black Lines and Photocopies)							
	Sets	Black Line 22 x 34	Black Line 11"x17"	Photocopy 8 1/2" x 11"			
30% Design Submittal					Sheets		
60% Design Submittal					Sheets		
	Total Sheets	0	0	0			
Cost	22 x 34	0	Sheets @	$ 0.72 =	$0.00		
	11"x17"	0	Sheets @	$ 0.20 =	$0.00		
	8 1/2" x 11"	0	Sheets @	$ 0.10 =	$0.00	$0.00	
Travel From Consultant Office Location to Destination (Round Trip Miles)							
Destination	# Trips			Per Mile			
Coord. Meetings	1 x	100	miles x	$0.30 =	$30.00	$30.00	
Shipping			Deliveries @	Each		$0.00	
TOTAL COST						$30.00	

CONTRACT FEE SUMMARY FORMAT FOR ENGINEERING DIVISION
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL

1. Project	2. Proposal Number
City of Jacksonville BackUp Call Center Preconstruction & 60% Design Fees	CDB-0007-01
3. Name of Consultant	**4. Date of Proposal**
Neptune Fire Protection	12/15/2017

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal FP Engineer	$ 76.36	2	$ 152.72	
Senior FP Engineer	$ 63.64	0	$ 0.00	
FP Engineer	$ 54.55	0	$ 0.00	
FP Designer	$ 45.45	8	$ 363.60	
CAD Operator	$ 36.36	8.9	$ 323.60	
Clerical	$ 29.09	0		
TOTAL DIRECT LABOR	**$ 44.44**	**18.9**		$ 839.92
6. Overhead (Combined Fringe Benefit & Administrative)				
Overhead Rate	150 % x Total Direct Labor			$ 1,260.00
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 2,099.92
8. PROFIT: Labor Related Costs (Item 7)		x	10%	$ 210.00
9. SUBCONSULTANT COORDINATION: Items 11			0%	$ -

PART III - OTHER COSTS

10. Miscellaneous Direct Costs		
Original Media	$ 0.00	
Reproduction	$ 0.00	
Transportation	$ 0.00	
Shipping	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$	$ -
11. SUBCONTRACTS (Lump Sum)		
	$ 0.00	
	$ 0.00	
	$ 0.00	
	$	
	$	
	$	
	$	
	$	
SUB-CONTRACT SUB-TOTAL	$	$ -
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 2,309.92
12. Reimbursable Costs - Limiting Amount		
	$ 0.00	
	$	
	$	
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY

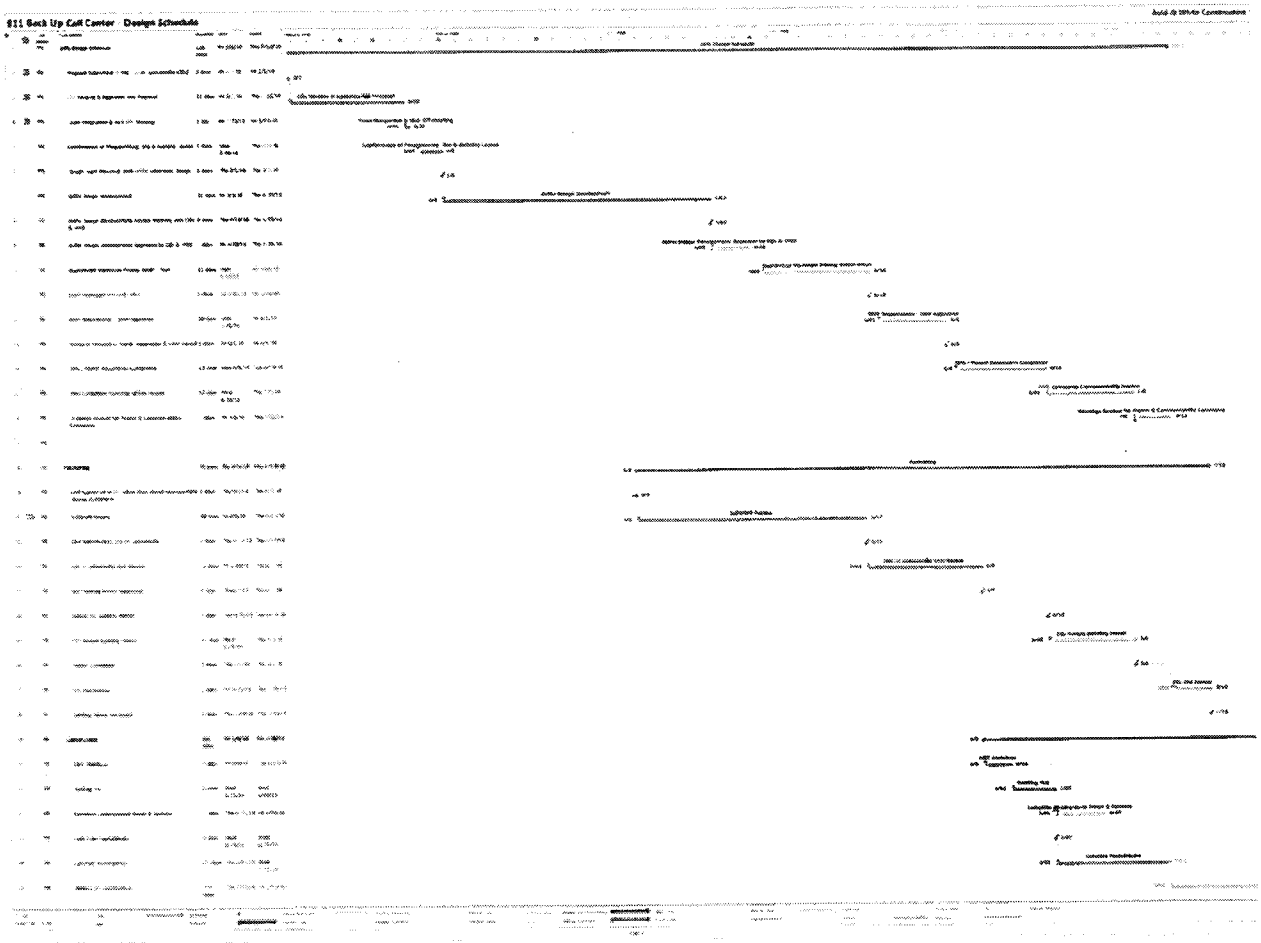
TOTAL AMOUNT OF CONTRACT (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10, 11 and 12)	**$ 2,309.92**

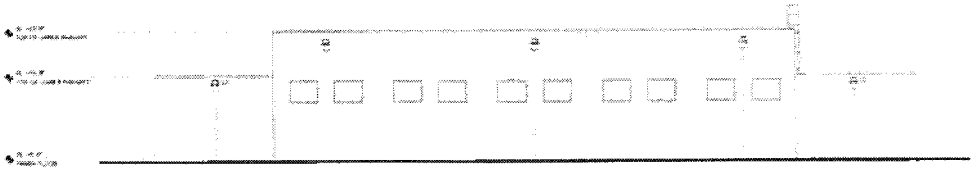
ESTIMATE OF WORK EFFORT AND FEE FOR CONSTRUCTION PLANS

Project Name: **City of Jacksonville BackUp Call Center** **Preconstruction & 60% Design Fees**
Consultant: Neptune Fire Protection
RFP NO.: CDB-0008-01
Prepared by: ######
Date: ######
AWC Job No. E 09-019-01

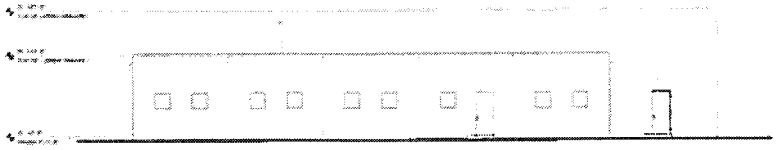
No. / ACTIVITY	Principal FPE Rate = $76 36		Senior FP Engineer Rate = $63 64		FP Engineer Rate $54 55		FP Designer Rate = $45 45		CAD Operator Rate = $36 36		Clerical / Admin Rate = $29 09	
	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost	Man Hours	Labor Cost
1 Design Development (60%)	2	$152 72	0	$0 00	0	$0.00	8	$363 60	8 9	$323 60	0	$0 00
2 Construction Docs (100%)		$0 00		$0 00		$0.00		$0.00		$0 00		$0 00
3 Construction Admin		$0 00		$0 00		$0 00		$0 00		$0 00		$0 00
4		$0 00		$0 00		$0 00		$0.00		$0 00		$0 00
5		$0 00		$0 00		$0 00		$0.00		$0 00		$0 00
6		$0 00	0	$0 00		$0 00		$0.00		$0 00		$0 00
TOTAL	2	$152 72	0	$0 00	0	$0 00	8	$363 60	8 9	$323 60	0	$0 00

No. / ACTIVITY	Sr. Landscape Arch. Rate = $44 21		Landscape Arch. Rate = $27 53						Man Hours by Activity	Salary Cost by Activity	Avg. Hourly Cost	Salary Cost Dist. %
	Man Hours	Labor Cost	Man Hours	Labor Cost								
1 Design Development (60%)		$0.00		$0 00					18.9	$839 92	$44.44	100.0
2 Construction Docs (100%)		$0.00		$0 00					0	$0 00	$0 00	0 0
3 Construction Admin		$0 00		$0 00					0	$0.00	$0 00	0 0
4 0		$0.00		$0 00					0	$0 00	$0.00	0 0
5 0		$0 00		$0 00					0	$0 00	$0 00	0 0
6 0		$0.00		$0 00					0	$0.00	$0 00	0 0
TOTAL	0	$0.00	0	$0 00					18 9	$839.92	$44.44	100 0

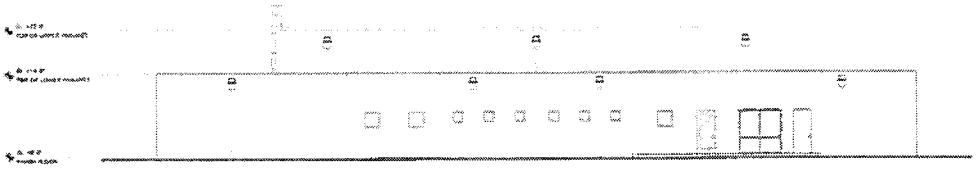

911 Back Up Call Center - Design Schedule



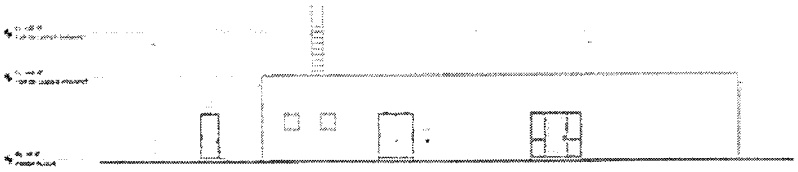
SOUTH ELEVATION



WEST ELEVATION



NORTH ELEVATION



EAST ELEVATION

GOLD & WHITE

Ebert Norman Brady Architects

EXTERIOR ELEVATIONS

911 BACKUP CALL CENTER

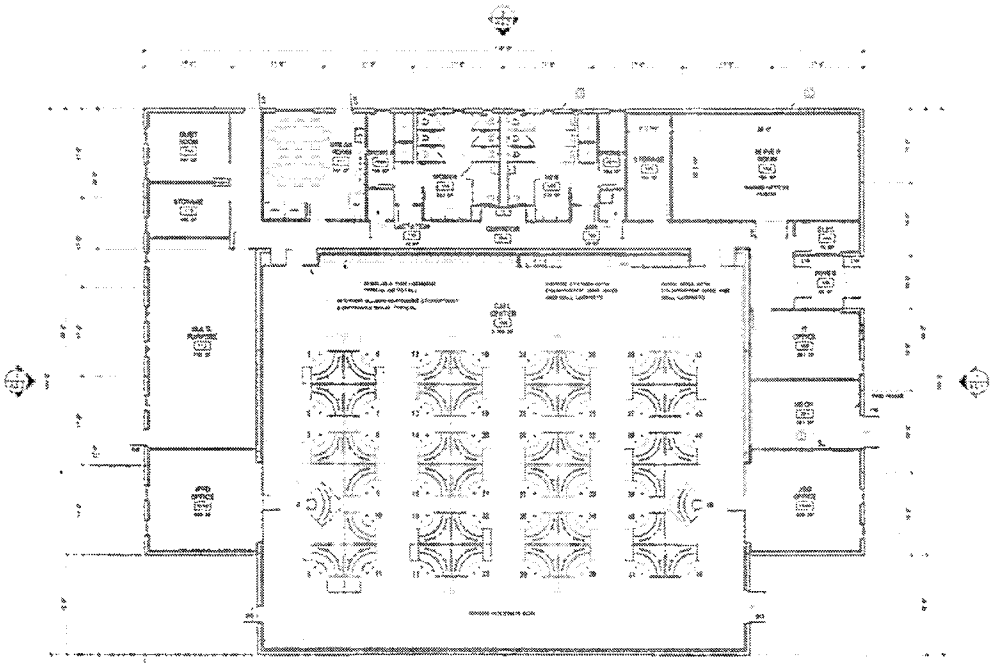
PROJECT NO

ISSUE DATE

REVISIONS

DRAWN BY

A3.1



FLOOR PLAN

FLOOR PLAN GENERAL NOTES

A. ALL DIMENSIONS ARE MEASURED TO FACE OF METAL STUD OR MASONRY UNLESS NOTED OTHERWISE

B. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT FOR ANY MISSING DIMENSIONS

C. REFER TO SHEET G0.3 FOR DEFINITION OF ABBREVIATIONS

D. REFER TO LIFE SAFETY FLOOR PLAN SHEET LS1.1 FOR LOCATION OF ALL FIRE/SMOKE RATED PARTITIONS

E. SEE DETAIL 14/13.1 FOR TYPICAL FIRE EXT HOUSEHOLD CABINET DETAIL

F. SEE DETAIL 14/13.1 FOR TYPICAL WALL MOUNTED FIRE EXTINGUISHER

G. SEE SHEET A4.4 FOR PARTITION SCHEDULE

H. SEE DETAIL 14/A3.0 FOR STOREFRONT ELEVATION TYPES

FLOOR PLAN KEY NOTES

1. METAL DOWNSPOUT. CONNECT TO UNDERGROUND STORM DRAINAGE PIPING. SEE CIVIL DRAWINGS FOR CONTINUATION
2. METAL ROOF LADDER WITH ROOF HATCH ABOVE

HULD & WHITE CONSTRUCTORS, LLC

ARCHITECTS

911 CALL CENTER

FLOOR PLAN

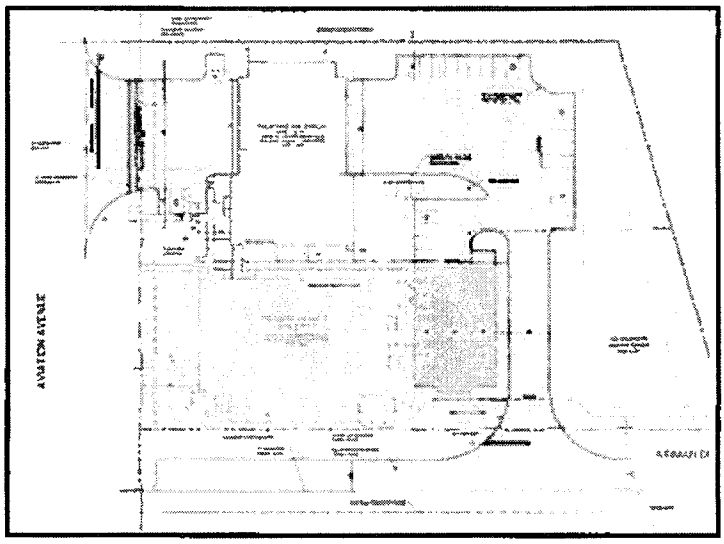
A2.1

REQUEST FOR PROPOSALS

FOR

DESIGN & CONSTRUCTION OF

911 BACKUP CALL CENTER
CECIL COMMERCE CENTER - 5847 AVIATION AVENUE
NE Corner of Aviation Avenue and Airman Drive - RE # 002249.0005



DESIGN – BUILD CONSTRUCTION DELIVERY METHOD

CITY / COUNTY WIDE CONSTRUCTION IMPROVEMENT PROJECTS

RFQ-CDB-008-1
DESIGN CRITERIA PACKAGE

PROCUREMENT DIVISION

JACKSONVILLE FIRE & RESCUE DEPARTMENT

PUBLIC WORKS DEPARTMENT
RELEASE DATE: JANUARY 12th, 2018

PREPARED BY ENGINEERING & CONSTRUCTION MANAGEMENT DIVISION

CITY OF JACKSONVILLE, FLORIDA

NEW 911 BACKUP CALL CENTER

RFQ – CDB–0008-16
RELEASE DATE – January 12th, 2018

1. INTRODUCTION AND LOCATION:

This Design Criteria Package (DCP) specifies performance-based criteria for the design and construction of a 911 Backup Call Center to be located at the Cecil Commerce Center adjacent to Fire Station No. 73. The building will combine 911, Police and Fire/EMS in a state of the art emergency communications center and back-up that will enable combined JSO/JFRD communications staff to provide call taking and emergency dispatch service in Duval County.

The purpose of this design criteria package is to furnish sufficient information to allow a Design Build Firm to prepare a response to the City's request for proposal (RFP) and to permit the City to enter into a negotiated design build contract.

The address assigned to the 911 Backup Call Center is 5847 Aviation Avenue, Jacksonville FL 32221. It does not have a separate Real Estate number yet. The RE # for the total JAA area is 002249.0005.

JAA owns and operates Cecil Airport and has aviation tenants, which must provide Aircraft Rescue and Firefighting (ARFF) services. The City leases certain real property from JAA and building improvements at Cecil Airport.

2. GENERAL:

The Design-Build firm is responsible for design and plans production. 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 60% design of the 911 Backup Call Center, within twenty one (21) calendar days from the release date of the DCP. **Therefore, the fee proposal shall be submitted no later than 5:00 P.M. on February 2nd, 2018 to Maria Williams, P.E., at 214 N. Hogan Street, Ed Ball Building, 10th Floor, Jacksonville, Florida 32202.**

The Design Builder shall request a meeting (if needed) to discuss items pertaining to the design of 911 Backup Call Center within one week of the DCP issue date. The fee proposal must include the proposed schedule for the 60% submittal.

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 design (and future permitting and construction if applicable) of the 911 Backup Call Center.

With the Technical Proposal (60% Design), Auld and White shall provide the Guaranteed Maximum Price ("The GMP") and the Guaranteed Completion Date ("The GCD"). No more than one week after receiving the Technical Proposal (TP), the GMP & the GMC from Auld & White, the City shall commence negotiations to reach an agreement on terms of the GMP & GCD for the 100% design, permitting and construction of the New 911 Backup Call Center.

A DCP amendment for the design of the construction plans and for the construction completion of the proposed 911 Backup Call Center may be issued at the City's initiative or at the request

of the Design Build Firm, upon the approval by the Fire & Rescue Department, if the amendment is in the best interest of the City.

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 21-day period designated for submittal of the Fee Proposal.

3. **SCOPE OF WORK:**

The DB firm shall deliver the 60% design plans of the 911 Back Up Call Center, based on the site plan prepared for Fire Station No. 73 & the 911 Backup Call Center with the parking modifications shown on Exhibit "A-1", and the interior building layout prepared by Eber Norman Brady Architects for this proposed 911 Back up Call Center (Exhibit "A-2") with the modifications requested on 01/04/18 by Pieter Jansen, City of Jacksonville ITD. The 60% plans shall include all the information needed for the first DMG and Permit review submittals.

The work consists of a new building and will include (but not limited to) a call center, offices, bathrooms, storage rooms, multi-purpose room, quiet room, break room, lactation room, server room, electrical and mechanical rooms.

The Design Build Firm shall be responsible to comply with the changes and modifications to the 2014 Florida Building Code and Supplement up to the time of the bid. 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 of Jacksonville, the State of Florida, ACI, ANSI, ASCE, ASTM, AWPA, EPA, FDEP, NFPA, OSHA, UL, NEC, NEMA:

a. **Building:** The gross building area shall be 13,317 SF minimum. The Finish Floor Elevation (FFE) shall be the same or higher than fire station No. 73 building. The exterior walls of the 911 Backup Cell Center Building will use the Tilt-Up technique for construction of the walls with reinforced concrete panels (see Exhibit "B" showing conceptual building design discussed within the JFRD and Auld & White). The interior walls shall utilize water resistant elements with water resistant wall board. The interior coatings shall be a low-VOC paint to conform to LEED requirements. The foundation and the slab-on-grade shall be reinforced concrete. Wind loads shall be no less than those associated with the FBC Edition 5th for Risk Category IV and shown in the City Infrastructure as one hundred thirty (135) mph - 3 sec peak gust wind velocity (see Exhibit "C"). Roof shall be constructed as specified for Fire Station No. 73 with 30 year manufacturer's warranty and 20 years workmanship warranty.

b. **Recent Modifications to the 911 Backup Call Center:** The latest Floor Plan submitted by Ebert Norman Brady Architects on January 8, 2018, shall be used for the design of the 911 Backup Call Center (Exhibit "A-2"). This Floor Plan was revised as requested by Pieter Jansen, City Information Technologies Division (ITD), on 01/04/18.

The following are additional revisions requested by the JFRD on 01/08/18:

1. Stove and Water Heater shall be electric instead of LP Gas. Installation of LP gas tank and concrete pad are not required.
2. Call Center:
   i) Add double tier lockers (60 min. instead of 40).
   ii) Install a laminated countertop surface for copies organization and distribution.

iii) Install countertop for coffee machine and sink
iv) Install the double tier lockers and the laminated countertops over a concrete base with thickness equal to the distance from the unfinished concrete floor to the final elevated flooring surface (12" ± above unfinished concrete). Confirm top elevation of the elevated flooring with ITD.

The Design Build Firm may propose minor changes to the floor plan and implement the modifications after JFRD review the changes and approves them. The proposed construction materials and systems shall be equal or better to those specified for Fire Station No, 73. The Design Build Firm shall submit to the City any requests for approval of equal or better materials and systems at least 10-days before the deadline for submitting the Technical Proposal. The procedure for submitting these requests shall be substantially the same as Section 20.16 Substitutions (Division III, Section 20 – General Conditions, City Standard Contract Documents).

c. **Slab on Grade:** The **minimum** foundation and **slab requirements** are as indicated on the structural plans for Fire Station No. 73 living quarters as follow: 4" concrete slab w/6x6 W2.9 X W 2.9 WWF on vapor barrier on compacted fill construction, top slab elevation same or higher than FS No. 73. The Call Center concrete floor shall be unfinished (ITD will install a raise floor 18" higher than the unfinished concrete floor).

d. **Project City Development Number:** The CDN for this project is 4963.063.

e. **Drainage and Stormwater Management System:** There will be one pond for the Fire Station no. 73 and the 911 Backup Call Center with the appropriate stormwater management system modifications to comply with the soil and groundwater conditions at the proposed location. The stormwater pond shall be designed, permitted and constructed in compliance with the City Land Development Manual and regulations promulgated by the St Johns River Water Management District. Also, since the proposed Fire Station and the 911 Backup Call Center buildings are both critical facilities, compliance with FEMA publication 543, Design Guide for improving critical facility safety from flooding and high winds shall be considered. At the 01/08/18 meeting with Auld and White, Duane Kent indicated the pond will be treated at Lake Fretwell, therefore a smaller pond is expected. Duane offered to assist the Civil Engineer.

f. **Wetlands:** Exhibit "D" shows the surveyed wetland jurisdictional line as provided by SJRWMD. The wetland jurisdictional line is valid until Oct 24, 2019. The master survey was completed by ERS. The proposed Fire Station No. 73 foot print is impacting a wetland. The site plan received from Auld and White on 01/08/18 will be submitted by the City to Onsite Environmental Consulting (OEC) for the wetland impact evaluation and the required amount of mitigation credit from Loblolly Mitigation Bank.

g. **Project Site:** The Design Build Firm shall utilize the preliminary site plan concept proposed by Auld and White with the parking spaces modification requested by the JFRD as depicted in Exhibit "A-1" (12 parking spaces eliminated). Leave the area where the 12 parking spaces were located for future parking expansion if needed.

h. **Pavement – Driveways – Parking:** The 911 Backup Call Center and Fire Station No. 73 driveway will be shared by both entities. All concrete pavements shall be f'_c =4,000 psi Portland cement concrete meeting the requirements of City Standard Specification Section 130. Other driveways and parking areas shall have asphalt pavement as specified for Fire Station # 73.

In general the driveways and parking areas shall have curbing (curb and gutter). Design the Southside of Airman drive for overflow parking in the grass area. Turning radii for driveways are minimum 30'.

All driveway and parking concrete pavement shall be placed on 8" crush-crete base. No limerock shall be allowed. Airman Drive needs to be 22' wide. Consider if the existing pavement is usable as a base or needs to be removed and replaced. For widening, black base (asphalt) shall be used. Existing pavement shall be evaluated to see if needs to be milled, adding a crack relief layer before resurfacing the existing pavement.

The two HC parking spaces shall meet ADA accessibility requirements (2% maximum slope both ways) and include required striping, wheel stops and signs.

The employee parking lot shall include a total of 47 parking spaces, pavement markings, and traffic signs. The Fire Station No. 73 shall have 28 parking spaces and the 911 Backup Call Center shall have 19 parking spaces (see Exhibit "A-1").

i. **Sidewalks:** 6-foot wide and 5" thick plain concrete f'_c =3,000 psi sidewalks are required. The Design Build Firm shall coordinate the proposed sidewalks as necessary with FAA. Expansion and control joints shall be provided as recommended by ACI. Sidewalks shall meet the ADA accessibility requirements. Sidewalk intersections shall have 5' radii.

j. **Building Address Number:** 5847 Aviation Avenue – 6" high vinyl white address numbers shall be attached to the exterior face of store front glazing of the 911 Backup Call Center building entrance, at the top of glazing.

k. **Trash Enclosure:** The Trash enclosure for Fire Station No. 73 will be used for the Fire Station and the 911 Backup Call Center.

l. **Flagpole.** The 30-foot flagpole requested for Fire Station No. 73 will be shared with the 911 Backup Call Center.

m. **Emergency Power Generator:** An emergency power generator shall be provided. Also, Fire Station No. 73 shall have a Generator capable of supplying power to the 911 Backup Call center if needed. As a minimum, the emergency generator shall meet the following requirements: (1) Tradewinds Power Corp. 100 KW Standby Diesel Engine Generator with electronic isochronous governor, 0.25% regulation; (2) "E" control panel; 20 lamp remote enunciator panel, surface mount; (3) 500 gallon double wall, sub-base, fuel tank; (4) 600 Amp automatic transfer switch; (5) 4 hour resistive load bank, per NFPA 110 requirements; (6) 5 year comprehensive warranty; (7) 2 sets of operators manuals; (8) vibration insulators; and (9) emergency light. The Design Build Firm shall be responsible for the design and complete installation of the emergency generator system including its housing. The emergency generator shall be designed to withstand 135 mph, 3 second wind gust.

n. **Traffic Signs and Pavement Marking.** The Design Builder shall provide traffic signs and pavement marking as required at the project Site.

o. **Utilities.** The Design Build Firm shall be required to coordinate and secure approvals from the public utility companies and pay all connection and permit / approval fees as required by the said public utility companies. See design ticket in Exhibit "E".

1. **Water Service:** The Design Build Firm shall provide domestic, and landscape irrigation water service and pay all development and permit / approval fees as required by JEA. One potable water meter, and a separate water meter for landscape irrigation shall be included for each building (Fire Station No. 73 and the 911 Backup Call center). There is an existing 16" water pipe on the east side Aviation Avenue fronting the property. Also, there is an existing 6" water line on the south side of Airman Drive (See Exhibit "F" for the JEA availability letter for Fire Station No. 73, which is applicable for 911 Backup call Center).
2. **Sanitary Sewer Service:** The Design Build Firm shall provide sanitary sewer service adequate for the 911 Backup Call Center emergency occupancy and the number of fixtures required for the 911 Backup Call Center. There is an existing 10" gravity sewer line in Aviation Avenue fronting the property. Also, there is a 6" gravity sewer line continuing from an 8" sewer line on the south side of Airman Drive (See Exhibit "F").
3. **Telephone, Cable, Electrical and Telecommunication Services:** The Design Build Firm as a minimum shall provide the services requested by the City ITD (Exhibit "G"). Also, all the services necessary from AT&T, Comcast, electrical and communications for the successful functioning of the 911 Backup Call Center.
4. **Additional Electrical Requirements:** The Design Build Firm will be required to secure a 600 amp electric power service through the installation of a ground mounted transformer with the secondary pull box issued by JEA and installed by Auld & White.
5. **Electrical Site Lighting:** Provide site illumination similar to what has been shown and specified for Fire Station # 73. The site illumination shall be controlled by photocells and manual switches.

p. **Hot Water Heating System:** A commercial hot water heating system shall be provided from an established company that provides warranty, technical support and spare parts. Coordinate needed usage with the JFRD.

q. **Fire Hydrants:** There are three existing Fire Hydrants on Aviation Avenue and another Fire Hydrant on Airman Drive. The Fire hydrant flow test results are included in Exhibit "G".

r. **Mechanical, fire protection, fire alarm, plumbing and other building systems:** The New Backup Call Center shall be fully equipped with mechanical, fire protection, fire alarm, plumbing and other building systems similar to Fire Station No. 73 unless otherwise specifically modified in this Design Criteria Package. Exterior components of building system shall be designed to withstand 135 mph, 3 second wind gust.

s. **Fences and Gates:** The fence may be installed by the Fire Department prior to construction. Provide the price for design and installation of the fence and gates, which will be deducted if they are installed prior to the construction of the project. Airman Drive conduits for future JAA installation to the access control are required. Fence and gates shall comply with FAA requirements shown on Exhibit "I".

t. **Security and Cranes:** All work is located inside the security fenced operational area of the Jacksonville Aviation Authority. Close coordination to enter the secured area and to use the crane is required.

4. **ZONING:**

The property follows the PBF-1 Zoning District Standards. The set backs are:
Front Yard - 0'

Side Yard - 0'
Rear Yard - 0'
Minimum Lot Width and Area - None
Maximum Height - None
Maximum Lot Coverage – None

5. **BUDGET:**

The Budget for the 911 Backup Call Center without all the needed special equipment for this building is $2'000,000.00.

6. **PERMITS:**

If after the 60% submittal, the DCP amendment for the design of the construction plans and for the construction completion of the proposed 911 backup call center is issued, Auld and White will be responsible for all required permits. The Design Build Firm shall secure driveway permits and coordinate through the City's Project Manager the final design and location of proposed driveways.

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.

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 provide the Engineer the review and approval of all plans and specifications at 60%, 90% and 100% project development phases. For the purpose of the reviews and approvals, the Design Build Firm shall provide the Engineer with 5 sets of drawings, specifications and engineering calculations.
The Design Build Firm shall provide the Engineer with five (5) sets of final plans, specifications and engineering calculations prior to the Preconstruction Conference and the issuance of the Notice to Proceed. 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. Approvals,...etc.).

7. **MATERIALS:**

The City has stockpile soil areas at the Cecil Commerce Center (Lake Fretwell excavation) that can be used as fill dirt by Auld and White free of charge. The distance from the stockpile area to Fire station No. 73 is less than 2 miles. The general location and the geotechnical exploration reports are included in Exhibit "J". The specific location of the borrow pit is to be coordinated with the City.

All **building** materials shall match the materials approved for Fire Station No. 73, unless requested by the JFRD.

8. SIGN FOR THE DURATION OF THE PROJECT ONLY:

The Design Build Firm shall provide one on-site construction sign for the project. A construction sign shown in Section 20 (Appendix "C", DCP) shall be 4'x4' instead of 4'x8' and it shall have 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. The face of the required construction sign shall be as shown in Exhibit "K" hereby incorporated in the DCP.

9. SOIL CONDITIONS – GEOTECHNICAL EXPLORATION REPORT:

The Geotechnical Report for Fire Station No. 73 (including common driveways) is included in Exhibit "L". Additional Geotechnical information will be requested for Airman Drive and the 911 Backup Call Center. Please confirm number of soil borings needed.

10. ENVIRONMENTAL SITE ASSESSMENT:

The Fire Station # 73 and 911 Backup Call Center site is currently vacant. The City's Environmental Programs Manager reviewed the Fire Station No. 73 proposed site and does not have any concerns with the site. The Design Build Firm may request testing and / or environmental investigation before providing the City the GMP if deemed necessary.

11. TOPOGRAPHICAL SURVEY MAP:

The Topographical and Tree Survey Map included in Exhibit "M" is an integral part of the Design Criteria Package ("the DCP"). The boundary and additional survey was requested from DMRP by the City.

12. COMPLETION AND DEDICATION OF IMPROVEMENTS WITHIN NEW FIRE STATION # 73'S PROPERTY LINE:

Auld and White will construct all improvements included in the GMP and dedicate them to the City and public utility companies before completion of construction of the 911 backup Call Center.

13. FLOODPLAIN CONDITIONS:

The property is not in the Flood Zone.

14. 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.

15. 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.

16. COMPLIANCE WITH CHAPTER 327, ORDINANCE CODE, CITY OF JACKSONVILLE, FLORIDA SUSTAINABLE BUILDING PROGRAM:

The Design Build Firm shall implement the provisions of Ordinance 2009-211-E as they relate to meeting and obtaining the sustainable building certification based on one of the recognized sustainable building certification systems such as U.S. Green Building Council's LEED Rating System, GBI'S Green Globe, or the Florida Green Building Coalition. The Design Build Firm shall select the least expensive certification system, which satisfies the requirements of Ordinance 2009-122-E. A copy of the Ordinance 2009-211-E is incorporated herewith as Exhibit "N" and Chapter 327, Sustainable Building Code can be searched in the following link: **https://library.municode.com/fl/jacksonville/codes/code_of_ordinances?nodeId=TITVIIICOREBUCO_CH327SUBUPR**

17. GMP SUBMITTAL FORMAT:

Auld and White shall submit to the City (with the 60% design plans), paper & electronic copies of the GMP in the Excel spreadsheet format similar to the spreadsheet incorporated into the Fire station No. 72 DCP.

18. 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, on a daily basis, a complete set of plans with "as-built" information noted in red ink. This "as-built" information shall include, but not 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 at any time during the project. 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.

END OF THE DESIGN CRITERIA PACKAGE

LIST OF EXHIBITS

EXHIBIT "A-1" ..... Site Plan

EXHIBIT "A-2" ..... Proposed Floor Layout

EXHIBIT B ..... Conceptual Building Design

EXHIBIT C ..... Wind Load Category IV

EXHIBIT D ..... Wetlands and Surface Waters

EXHIBIT E ..... Call Sunshine Design Ticket

EXHIBIT F ..... JEA Availability Letter

EXHIBIT G ..... ITD Preliminary Design

EXHIBIT H ..... Fire Hydrant Flow Test

EXHIBIT I ..... FAA Apvd. Fences & Gates

EXHIBIT J ..... Lake Frettwell Soil Stockpile

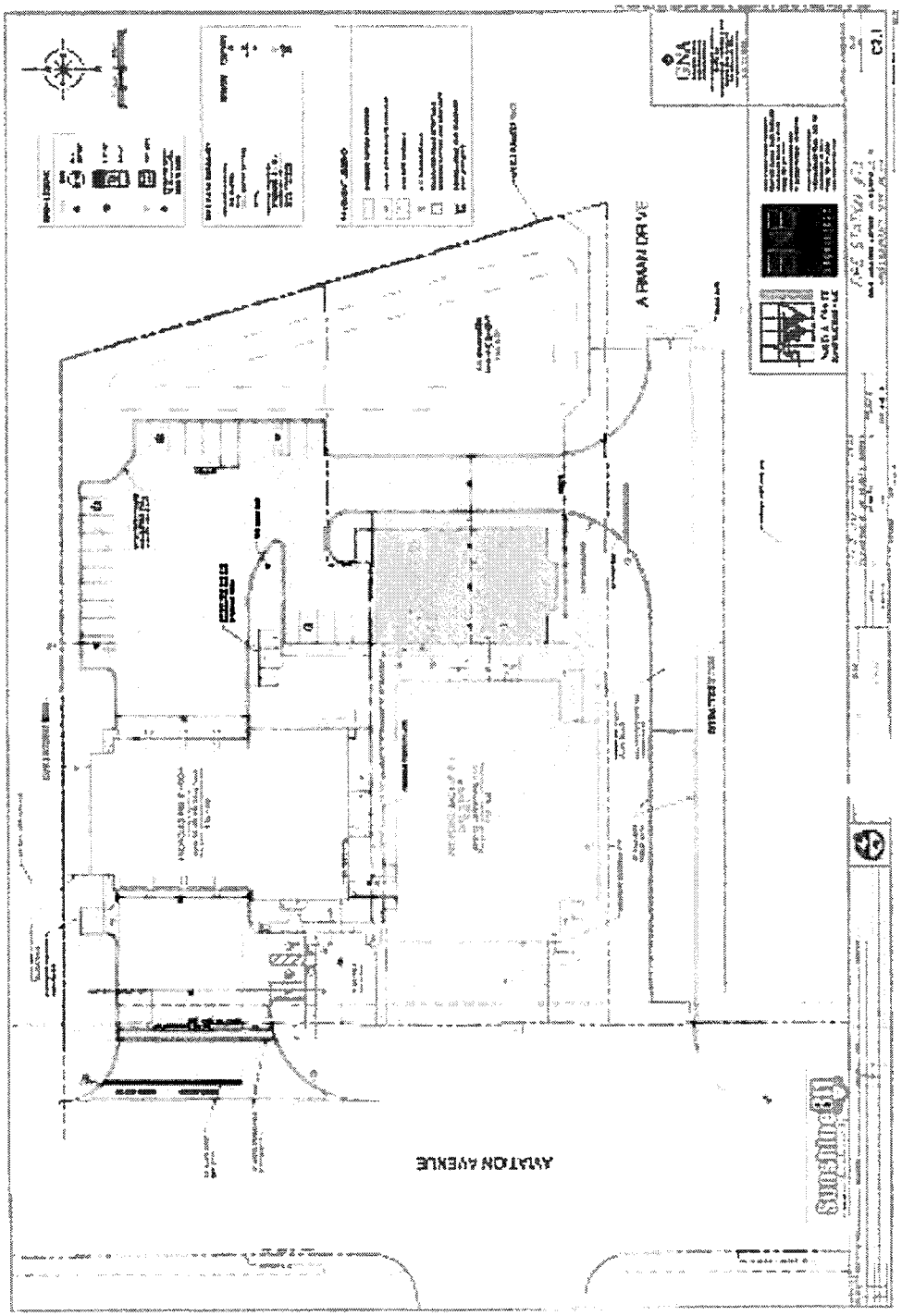
EXHIBIT K ..... Construction Sign

EXHIBIT L ..... Geotechnical Exploration

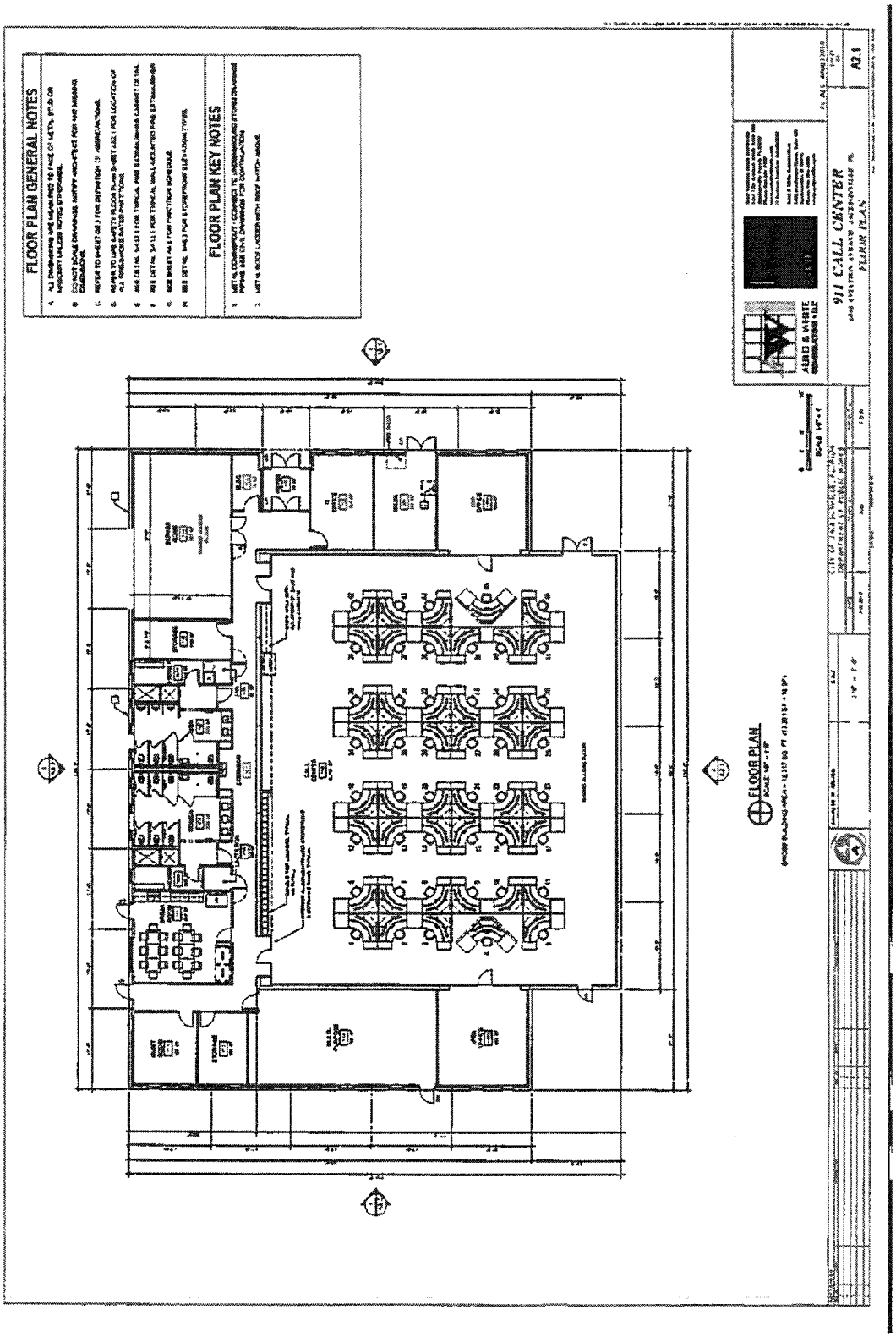
EXHIBIT M ..... Topographical Survey - not included

EXHIBIT N ..... Florida Sustainability Program - Not included

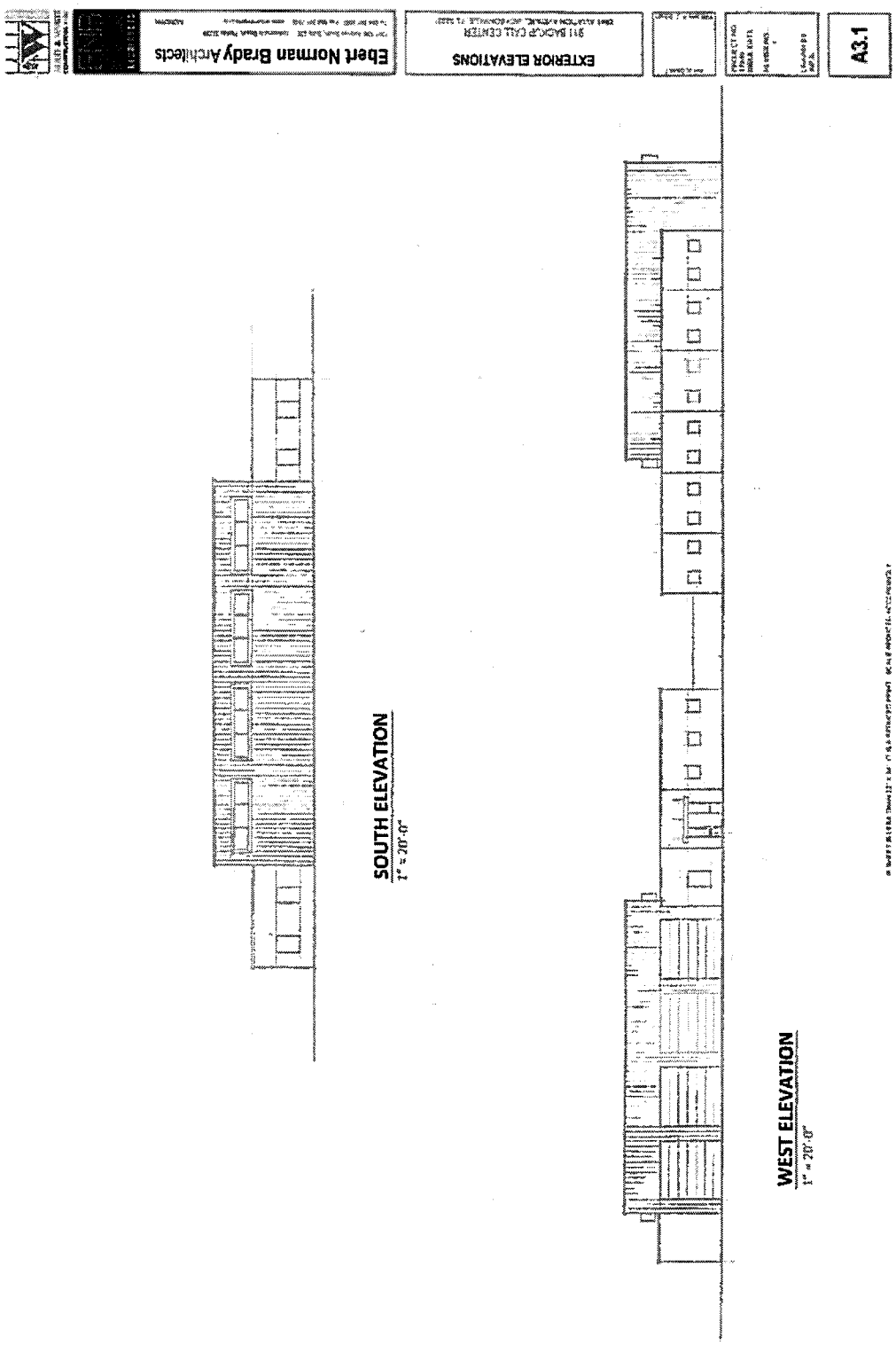
Site Plan (EXHIBIT "A-1")



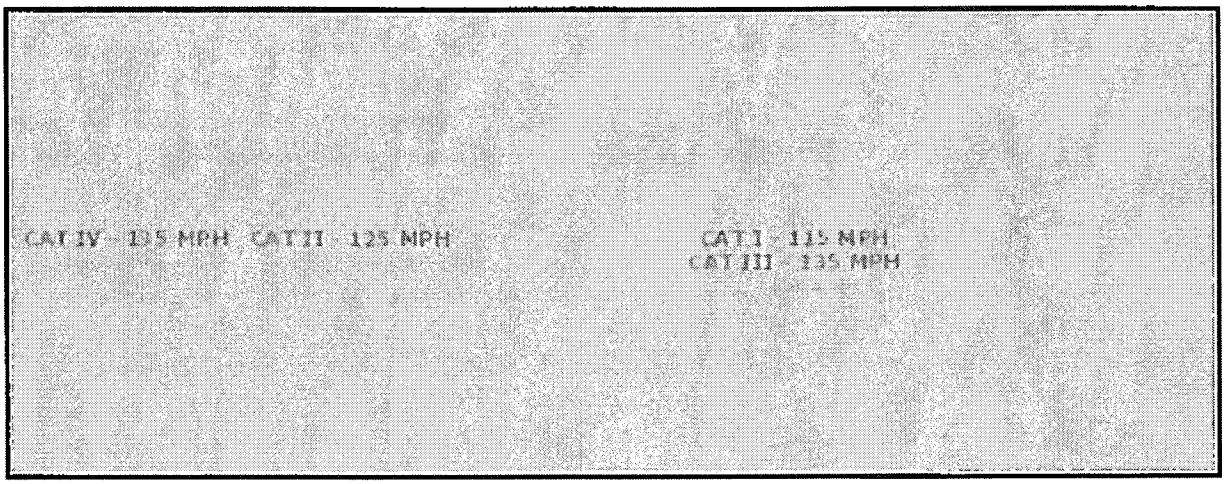
Proposed Floor Layout (EXHIBIT "A-2")



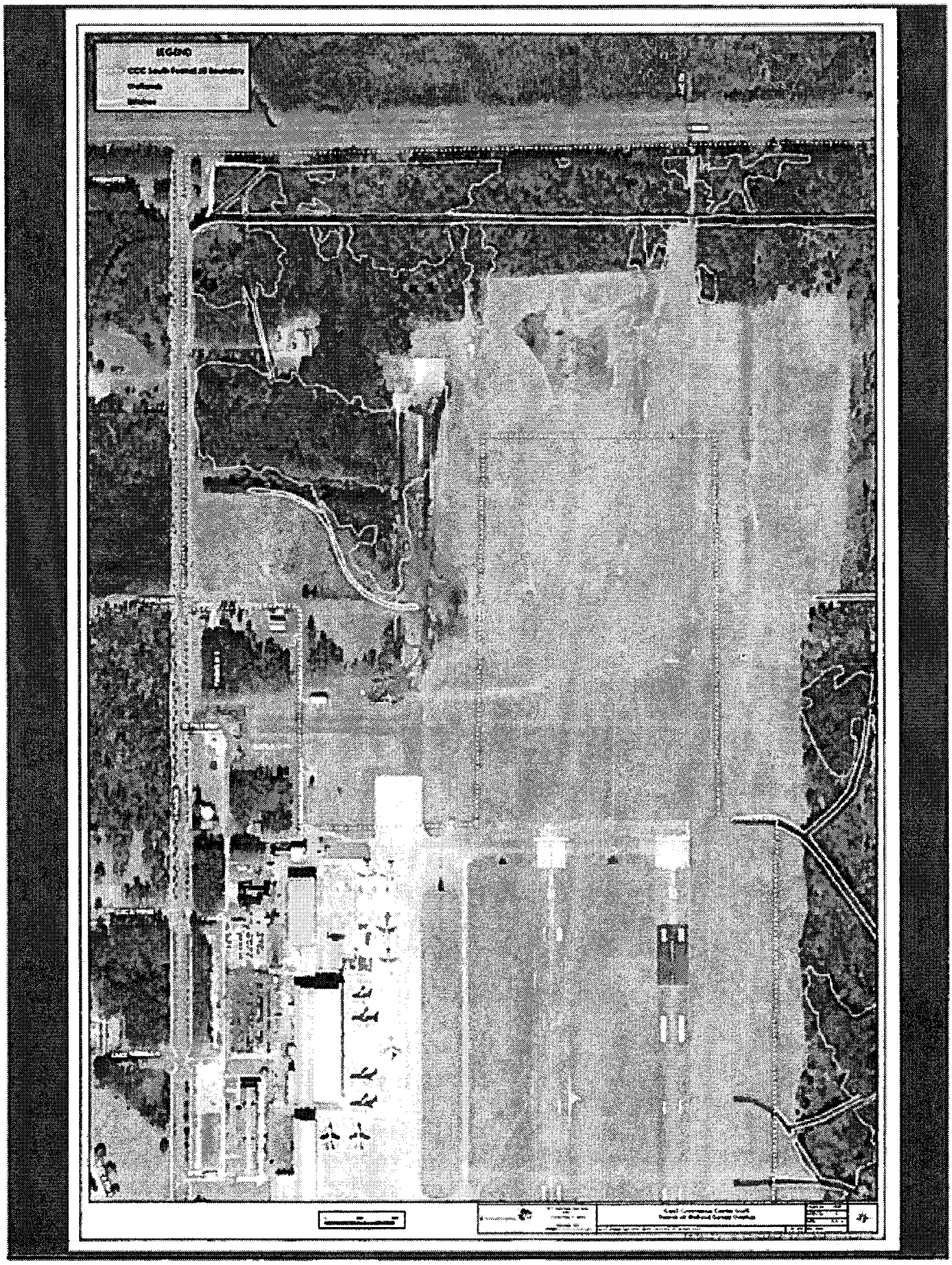
Conceptual Building Design (EXHIBIT "B")



Wind Load Category IV (EXHIBIT "C")



Wetlands and Surface Waters (EXHIBIT "D")



Call Sunshine Design Ticket (EXHIBIT "E")

From: irth_host@callsunshine.com
To: Williams, Maria
Cc:
Subject: SSOCOF CONFRM 2017/08/21 #00000 233708701-000 NORM DSGN NEW

CONFRM 00000 CALL SUNSHINE 08/21/17 14:42:04ET 233708701-000 DESIGN GRID Ticket : 233708701 Rev:000 Taken: 08/21/17 14:32ET

State: FL Cnty: DUVAL GeoPlace: JACKSONVILLE
CallerPlace: JACKSONVILLE
Subdivision: CECIL FIELD

Address : 5845
Street : AVIATION AVE
Cross 1 : AIRMAN DR
Within 1/4 mile: Y

Locat: DESIGN - THE EAST SIDE OF AVIATION AVENUE FROM 700 FT NORTH TO 400 FT SOUTH OF AIRMAN DRIVE IN FRONT OF 5845 AVIATION AVENUE
:
Remarks : IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE
ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE
VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF
THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY
OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION
ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION
OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556,
FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH.
THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER
REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR
DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF
YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED, AND THE
INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION
REQUEST.
*** LOOKUP BY MANUAL ***
:
Grids : 3014A8152A 3014A8153D 3014B8152A 3014B8153D 3014C8152A
Grids : 3014C8153D

Work date: 08/21/17 Time: 14:32ET Hrs notc: 000 Category: 6 Duration: UNKNOWN Due Date : 08/23/17 Time: 23:59ET Exp Date : 09/20/17 Time: 23
Ug/Oh/Both: U Machinery: N Depth: UNK Permits: N N/A Done for : DESIGN

Company : CITY OF JACKSONVILLE Type: CONT Co addr : 214 N HOGAN ST
City : JACKSONVILLE State: FL Zip: 32202
Caller : MARIA WILLIAMS Phone: 904-255-8789 Contact : DESIGN Phone:
BestTime: 8-5 M-F
Fax : 904-255-8926
Email : MARIACW@COJ.NET

Submitted: 08/21/17 14:32ET Oper: JUD
Mbrs :
CCTV03 LARRY K. WINBURN** 904-380-7574
COMCAST CABLE COMMUNICATIONS, INC.
5934 RICHARD ST
JACKSONVILLE, FL 32216
Level 1: SERVICES NOT PRVIDED BY MEMBER
Level 2: SERVICES NOT PRVIDED BY MEMBER
Level 3: SERVICES NOT PRVIDED BY MEMBER
Level 4: SERVICES NOT PRVIDED BY MEMBER

JE1359 BRENDA FORBES 904-665-4465
JACKSONVILLE ELECTRIC AUTHORITY
210W CHURCH STREET
CC-6
JACKSONVILLE, FL 00000
Level 1:
Level 2:
Level 3:
Level 4:

JEA BRENDA FORBES 904-665-4465
JACKSONVILLE ELECTRIC AUTHORITY
210W CHURCH STREET
CC-6
JACKSONVILLE, FL 00000
Level 1: 8 1/2x11 = $2 11x17 = $3 ANY SIZE 18 OR 24 = $4 ANY SIZE
30 = $5
Level 2: SERVICES NOT PROVIDED BY MEMBER
Level 3: SERVICES NOT PROVIDED BY MEMBER
Level 4: SERVICES NOT PROVIDED BY MEMBER

JEA773 BRENDA FORBES 904-665-4465
JACKSONVILLE ELECTRIC AUTHORITY
210W CHURCH STREET
CC-6
JACKSONVILLE, FL 00000
Level 1: 8 1/2x11 = $2 11x17 = $3 ANY SIZE 18 OR 24 = $4 ANY SIZE
30 = $5
Level 2: SERVICES NOT PROVIDED BY MEMBER
Level 3: SERVICES NOT PROVIDED BY MEMBER
Level 4: SERVICES NOT PROVIDED BY MEMBER

JEA773 BRENDA FORBES 904-665-4465
JACKSONVILLE ELECTRIC AUTHORITY
210W CHURCH STREET
CC-6
JACKSONVILLE, FL 00000
Level 1: 8 1/2x11 = $2 11x17 = $3 ANY SIZE 18 OR 24 = $4 ANY SIZE
30 = $5
Level 2: SERVICES NOT PROVIDED BY MEMBER
Level 3: SERVICES NOT PROVIDED BY MEMBER
Level 4: SERVICES NOT PROVIDED BY MEMBER

PGSJAX DEBORAH FRAZIER ** 407-420-6609
TECO PEOPLES GAS- JACKSONVILLE
600 W ROBINSON ST
ORLANDO, FL 32801
Level 1: TECO PEOPLES GAS WILL PROVIDE THE FIRST HOUR FREE OF CHARGE. THIS WILL ENTAIL AREVIEWING OF RECORDS, AS BUILTS, COPIES, ECT PER PROJECT. IF PROJECT REQUIRES MORE TIME THAN AN HOUR ADDITIONAL CHARGE OF $45 PER HOUR WILL APPLY
Level 2: SERVICES NOT PROVIDED BY MEMBER
Level 3: SERVICES NOT PROVIDED BY MEMBER
Level 4: SERVICES NOT PROVIDED BY MEMBER

SB2186

SBF02 DINO FARRUGGIO 561-997-0240
AT & T/ DISTRIBUTION
1120 S ROGERS CIR
BOCA RATON, FL 33487
Level 1: FEE TO BE DETERMINED
Level 2: NOT PROVIDED BY MEMBER
Level 3: FEE TO BE DETERMINED
Level 4: NOT PROVIDED BY MEMBER

JEA Availability Letter (EXHIBIT "F")

JEA
21 West Church Street
Jacksonville, Florida 32202-3139
ELECTRIC WATER SEWER RECLAIMED

Maria Williams
City of Jacksonville
1219 S Kyle Way
Jacksonville, Florida, 32202

August 22, 2017

Project Name: Fire Station No. 73
Availability#: 2017-1549

Dear Mr/Mrs Maria Williams,

Thank you for your inquiry regarding the availability of electric, potable water, sanitary sewer and reclaimed water (WS&R) service. The eight digit availability number referenced in this letter will be the number JEA uses to track your project. Please reference this number when making inquiries and submitting related documents. This availability letter will expire one year from the date above.

Point of Connection:

A summary of connection points for WS&R 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 strongly recommends field verification of all POCs prior to any construction to ensure connection availability. Please note the Special Conditions stated in each section contain pertinent information and additional requirements as well as further instructions.

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 on jea.com.

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 the subsequent link, JEA Stages of a Project or by following the steps below:

- Visit www.jea.com
  - Select Working with JEA
    - Select Stages of a Project

Sincerely,

Mollie Price
Water/Wastewater System Planning
(904) 904-665-7710

JEA

21 West Church Street
Jacksonville, Florida 32202-3139

ELECTRIC WATER SEWER RECLAIMED

Availability#:	2017-1549
Request Received On:	8/8/2017
Availability Response:	8/22/2017
Prepared by:	Mollie Price

Project Information

Name:	Fire Station No. 73
Type:	OTHER
Requested Flow:	1,450 gpd
Location:	NE Corner of Aviation Avenue and Airman DriveNew Address: 5845 Aviation Drive
Parcel ID No.:	002249.0005
Description:	New Fire Station No. 73

Potable Water Connection

Water Treatment Grid:	NORTH GRID
Connection Point #1:	Existing 6-in CI water line on the south side of Airman Drive
Connection Point #2:	Existing 16-in water main on the east side of Aviation Ave
Special Conditions:	For the estimated cost of connecting to the JEA system, please call the Pre-service Counter at 904-665-5260. Copies of As-Built records can be requested from JEA As-Built & Record section at 665-4403.

Sewer Connection

Sewer Treatment Plant:	SOUTHWEST
Connection Point #1:	Existing 6-in gravity sewer line on the south side of Airman Drive
Connection Point #2:	Existing 10-in gravity sewer line in Aviation Ave
Special Conditions:	For the estimated cost of connecting to the JEA system, please call the Pre-service Counter at 904-665-5260. Copies of As-Built records can be requested from JEA As-Built & Record section at 665-4403

Reclaimed Water Connection

Sewer Region/Plant:	North Grid
Connection Point #1:	No reclaim in the foreseeable future
Connection Point #2:	NA
Special Conditions:	No reclaim in the foreseeable future.

General Comments:

Electric Availability: 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.

City of Jacksonville – ITD Preliminary Design (EXHIBIT "G")

INFORMATION TECHNOLOGIES DIVISION

CITY OF JACKSONVILLE

December 20, 2017

TO: **Maria Williams, P.E.**

CC: **Gary Steffens, AITO Manager**

CC: **Michael Young, Senior enterprise Architect**

CC: **Pieter Jansen, Senior Project Manager**

FROM: **Mark Tarrance, Infrastructure Lead Analyst, ITD**

SUBJECT: **Review for Cecil Field backup 911 Center**

---

1. New 911 building Telecommunications requirements

a. TR (Telecommunications Room) is a minimum size of 35'x 20'x10'.

b. TR will have a quantity of 12 APC cabinets AR3350W and white in color. TR will also have a quantity of 4 Belden, equipment racks, white in color.

c. HVAC in TRs shall stay between a temperature range of 64 degrees to 75 degrees Fahrenheit and maintain positive pressure with 3 air change per hour, continuous (24 hours a day and 365 days per year). The TR shall maintain a 30%-50% relative humidity and a heat dissipation of 50kw an hour.

d. The TRs will have a minimum of 2 dedicated 220 VAC/30A/3 phase electrical outlet at the bottom of the each new Cabinets and equipment racks off of UPS. The TR shall also have a minimum of 6 dedicated 120 VAC/20A electrical outlets on the walls of TR.

e. Lighting in TR will be a minimum of 50 Foot candles at 3 foot AFF. TR light fixtures shall be mounted no less than 8'6" AFF. Each TR shall have a minimum of 1 emergency light fixture.

f. The TR shall have a 24", raised floor.

g. Doors of TR shall be a double door, minimum of 36"w x 80"h for each side, hinged to open outwards and be removable. The door to the TR shall have the ability to lock also with badge access.

h. Each WA (work area) outlet for the offices shall have a minimum of 1" EMT stubbed above the ceiling with a pull string installed with a bushing on the end of the conduit. The conduit will be connected to a 4"x4"x2 ¼" box in the wall with a mud ring attached. This box shall be installed at the same height as the electrical outlets or if necessary, 18" AFF.

i. TBB (Telecommunications Backboard)(Pathways & Spaces, part# RB-AWALL-TRG), Backboard, light gray in color shall be vertically hung on all walls of the TR starting at the raised floor extending to 8'AFF.

j. 4-4", PVC conduits to extend from a minimum of 4" AFF in new TR to a Quazite, HH (Handhole) 36"x48"x24" placed at Property line labeled "City of Jacksonville, Telecommunications." All 4 Conduits shall have a quantity of 2, 3-Cell, maxcell, innerducts in each.

k. 2-4", EMT to extend from the new TR to the new TR of the Fire station next door. Conduit not more than 2-90 degrees bends without a PB (Pull box). Bushings to be placed on the ends of conduits with a pull string placed in conduits. Conduits shall have a quantity of 2, 3-Cell, maxcell inner ducts in each.

l. Each WA (work area) outlet shall have a minimum of 2, Cat 6, Plenum rated cable, gray in color. The WA outlet shall be installed at the same height as the electrical outlets or if necessary, 18" AFF. WA outlets will be defined as each telephone, modem, fax and security system.

m. Each Operator station (work area) outlet shall have a minimum of 8, Cat 6, Plenum rated cable, gray in color. The WA outlet shall be installed at the same height as the electrical outlets or if necessary, 18" AFF. WA outlets will be defined as each telephone, modem, fax and security system and will be terminated in a patch panel in the furniture.

n. TR shall have a dry-pipe fire suppression system in it, in place of water sprinkler and a FM 200 fire suppression system.

o. Cable type will be a Cat 6, Plenum rated, Belden 2413 series.

p. Connectivity type will be Belden, Rev-connect series, Cat 6.

q. Cable supports thru the raised floor will be a 24", Cablofil basket tray. Cable supports thru the ceiling will be a J-hook type.

r. The building shall follow the "Standards and Guidelines for Communication Sites" document 68P81089E50-C April 2017 issued by Motorola Solutions. Document is available from Motorola Solutions or ITD.

Fire Hydrant Flow Test Results (Exhibit "H")

Williams, Maria

From:	Stevens, Gregory S. <StevGS@jea.com>
Sent:	Tuesday, October 03, 2017 4:02 PM
To:	Williams, Maria
Cc:	Brown, Joshua M.; Chascin, Kenneth J. - Mgr W/WW Reuse Delivery&Coll Maint Plan&Eng; Davis, Jack G. Jr.; Reichart, Chris D. - Manager, W/WW System Assets & Performance
Subject:	AVIATION AV 1,106' S OF 133RD ST (345058)

JEA
2434 North Pearl Street
Jacksonville Florida
32206-3518

CITY OF JACKSONVILLE
MARIA WILLIAMS
214 N. HOGAN ST, 10th Fl.
JAX, FL
32202

10/3/2017
Dear Customer,
A flow test was conducted on 10/3/17 at 1:54 PM
at your request.

The flow hydrant location :
AVIATION AV 1,106' S OF 103RD ST (345058)

The static residual hydrant location:
AVIATION AV 611' S OF 103RD ST (345059)

Number of ports	2
Diameter of ports (inch)	2.5
Pitot Pressure (psi)	39
Static Pressure (psi)	75
Residual Pressure (psi)	64

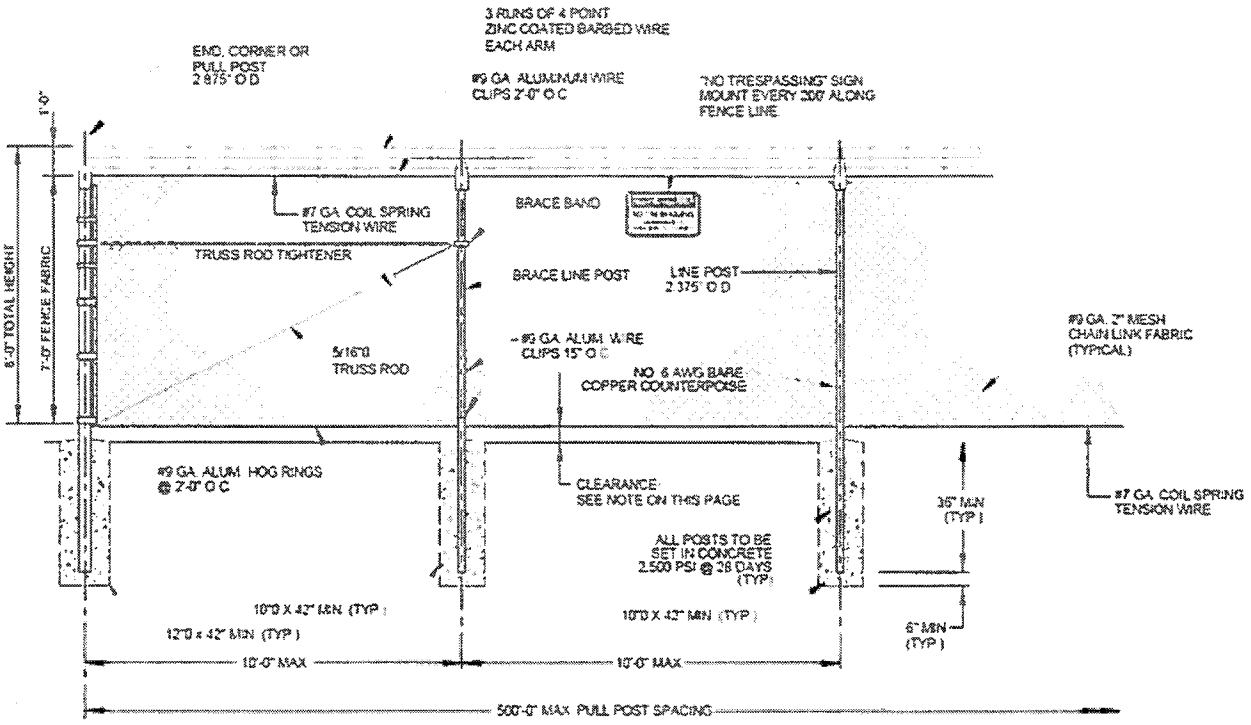
The following computational results based on the above variables and NFPA section 291 (2002 edition) are as follows:

Flow at Test (gpm): 2,108
Flow at 20 psi (gpm): 5,026

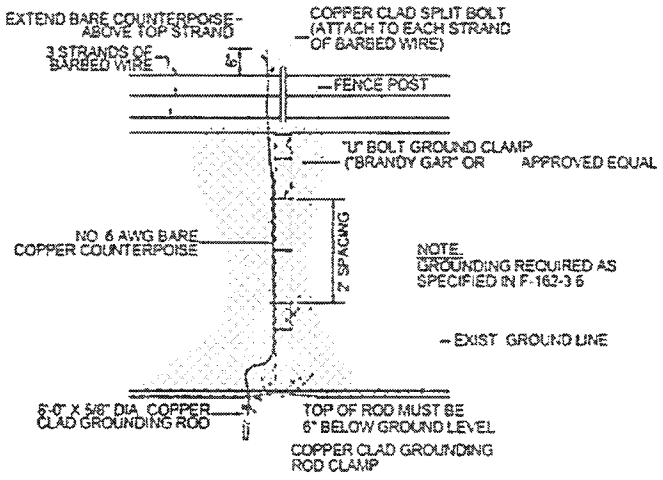
If you have any questions concerning this matter, contact me via e-mail at: STEVGS@JEA.COM.

Thank you,
Scott Stevens

FAA Approved Fences and Gates – 7' Security Fencing Details (Exhibit "I")



STANDARD BRACING PANEL AND TYPICAL LINE POST

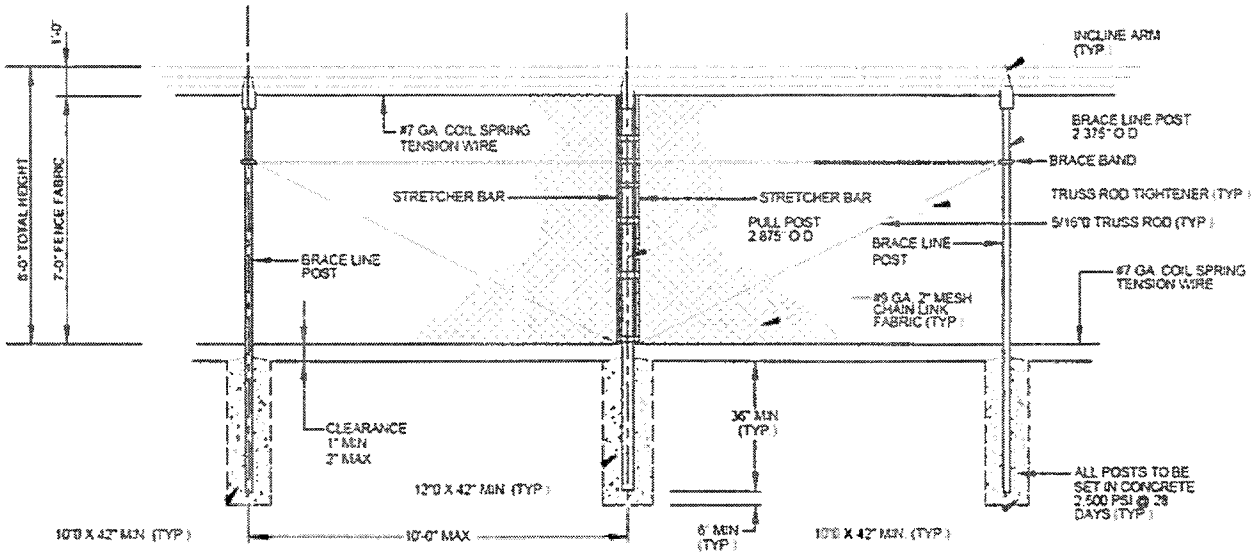


TYPICAL FENCE GROUNDING DETAIL

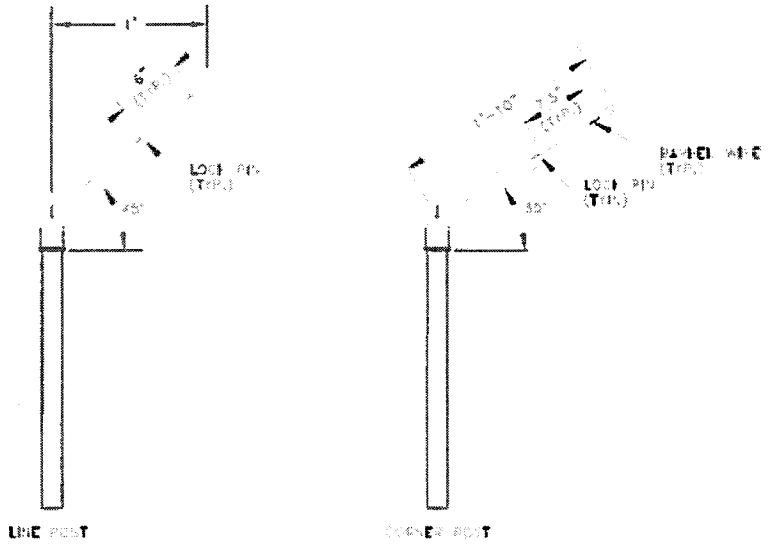
T

CRITICAL DIMENSIONS

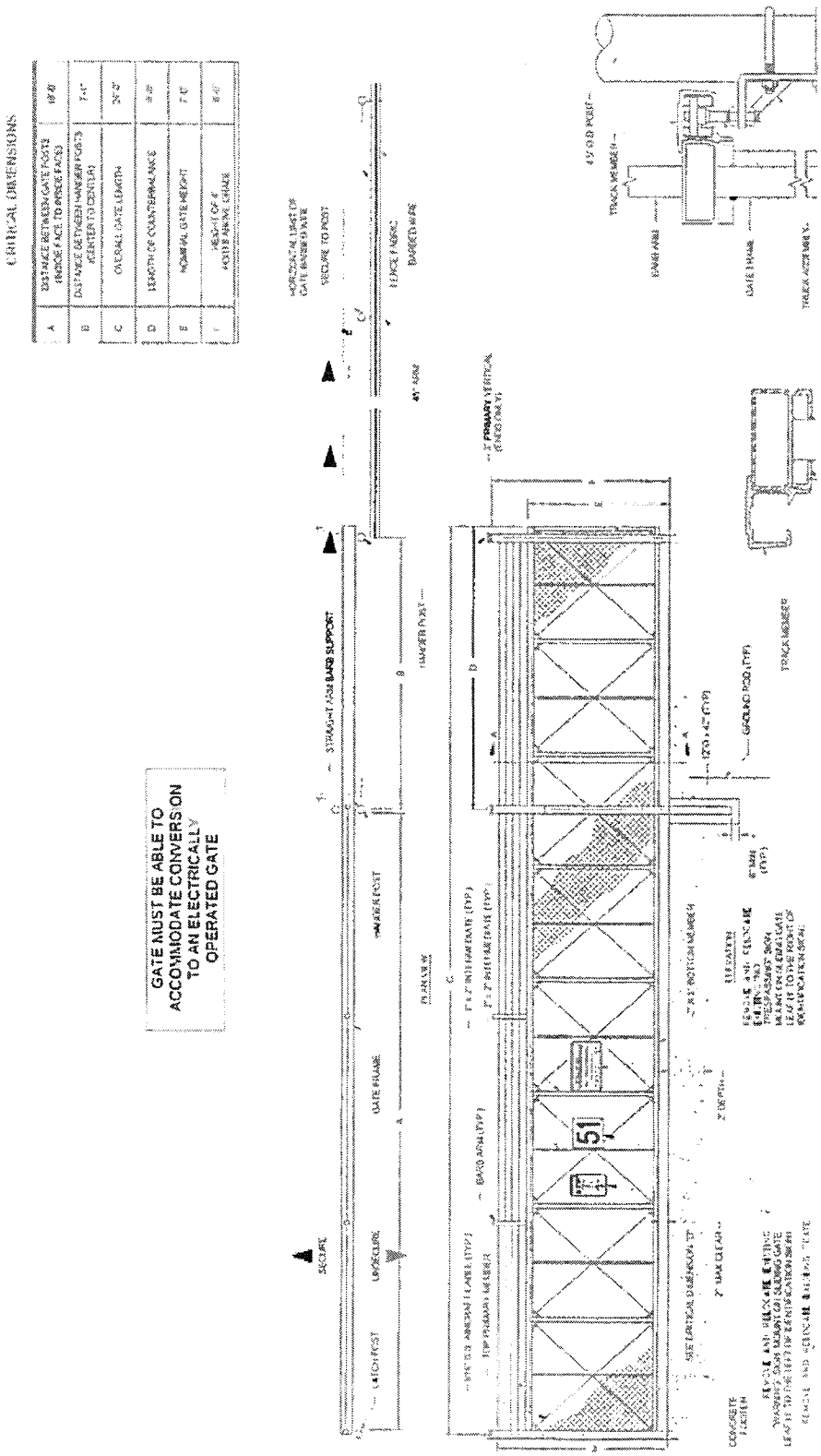
	OUTSIDE DIAMETER
PULL POST / CORNER	2.875 IN
LINE POST	2.375 IN
GATE POST	4.000 IN
TOP RAIL	1.660 IN
	POST EMBEDMENT
LINE POST	36 IN
PULL / CORNER	36 IN
GATE	36 IN



PULL POST AND BRACING PANEL



BARBED WIRE VICTOR ARM SUPPORTS


CRITICAL DIMENSIONS
GATE MUST BE ABLE TO ACCOMMODATE CONVERSION TO AN ELECTRICALLY OPERATED GATE

Lake Frettwell Stockpile Soil Areas – Location and Geotechnical Exploration (EXHIBIT "J")

Real Estate #: 002322 1010

Owner: CITY OF JACKSONVILLE

Address: 6115 NEW WORLD AVE

Zip Code: 32221

Transaction Price: $100

Transaction Year: 2001

Acres: 204.49

Book-Page: 1020800704

Map Panel 4522

Legal Descriptions: 5-93 22-3S-24E 286.31 JACKSONVILLE HEIGHTS PT TRACT 8 BLK 1 RECD O/R 10208-704

Flood Zone: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD, AE, AE-FLOODWAY

AshSite:

EDA Level: 1

Evacuation Zone: NA

Planning District: 4

Noise Zone: CECIL-1, CECIL-2

APZ: NA

Civ HH Zone: CECIL/HERLONG-2, CECIL/HERLONG-3

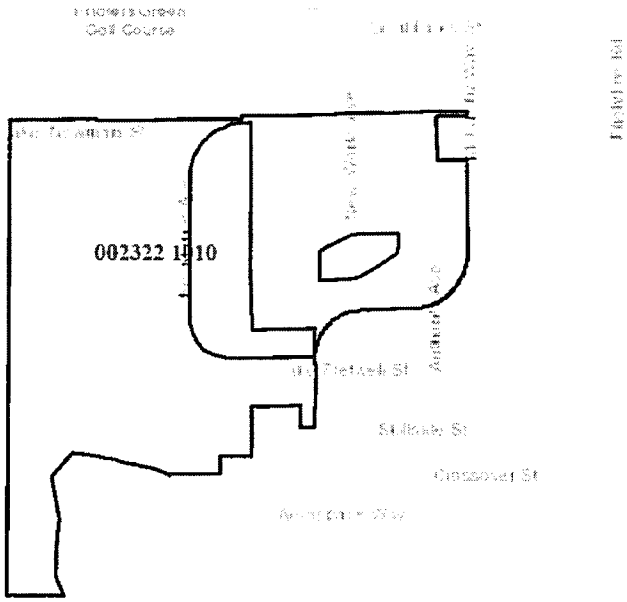


Exhibit I

CSI Geo

Geotechnical · CMT · CEI

Geotechnical Exploratory Test Pits
Lake Frettwell stockpiled soils

Northern Stockpile at Cecil Commerce Center
Jacksonville, Florida

CSI Geo Project No.: 71-13-152-05

Prepared for:

England-Thims & Miller, Inc.

November 26, 2013

CSI Geo

Geotechnical · CMT · CEI

Geotechnical Exploratory Test Pits
Lake Frettwell stockpiled soils

Northern Stockpile at Cecil Commerce Center
Jacksonville, Florida

CSI Geo Project No.: 71-13-152-05

Prepared for:

England-Thims & Miller, Inc.

November 26, 2013

CSI Geo
Geotechnical • CMT • CEI

November 26, 2013

Mr. Duane Kent, P.E.
England-Thims & Miller, Inc.
14775 Old St. Augustine Road
Jacksonville, Florida 32258

RE: Northern Stockpile at Cecil Commerce Center
Jacksonville, Florida

Subject: Geotechnical Exploratory Test Pits
Lake Frettwell Stockpiled Soils
CSI Geo Project No.: 71-13-152-05

Dear Mr. Kent:

CSI Geo, Inc. has performed the authorized geotechnical exploration and laboratory testing for the stockpile soils at Cecil Commerce Center in Jacksonville, Florida. The purpose of the investigation was to evaluate the Lake Frettwell stockpiled soils in order to determine the suitability of the soils for use as select material.

This report describes the field activities and presents the findings. Our evaluation required the collection of site and subsurface data and performance of geotechnical engineering review of the collected data. Information regarding this project was provided to CSI Geo, Inc. by Duane Kent, P.E. of England-Thims & Miller, Inc.

Existing Site Conditions

The subject site is located west of Cecil Commerce Center Parkway and south of SR 8 (I-10) in the western portion of Jacksonville in Duval County, Florida. The "Stockpile Area" as shown in figure No. 1 consists of two soil stockpiles approximately 7-9 feet in height. The "West Stockpile" is the larger and more extensive stockpile, covering the western portion of the boxed Stockpile Area. The "East Stockpile" is much less extensive and isolated in the eastern portion of the Stockpile Area. Our visual observations of the Stockpile Area indicate that much of land around the East Stockpile consists

of wetlands with no stockpiled soils of any significant height. Additionally, small Pine trees and varying grass cover were present on both areas of stockpiles. Areas of erosion channels were encountered throughout the stockpiles.

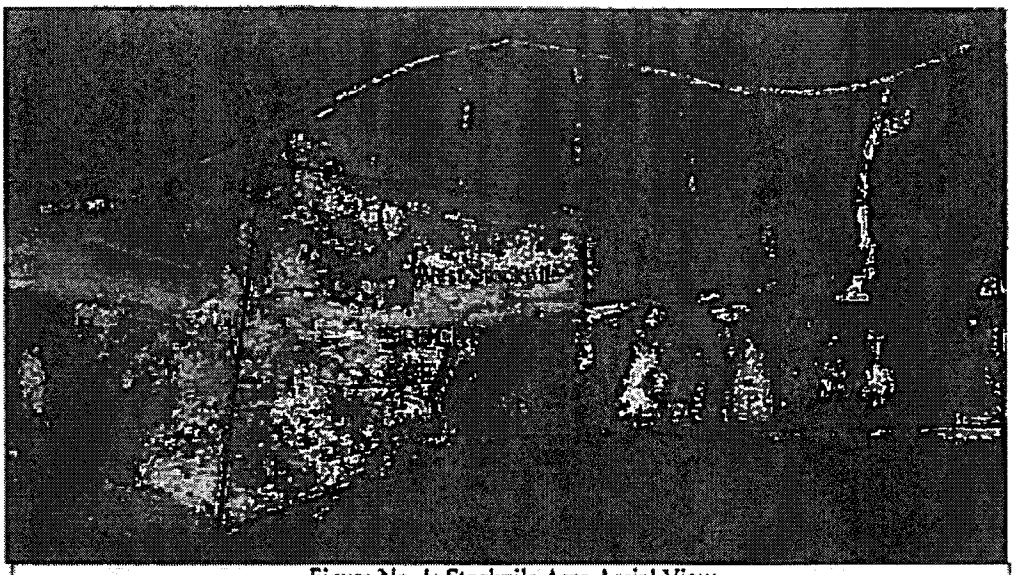
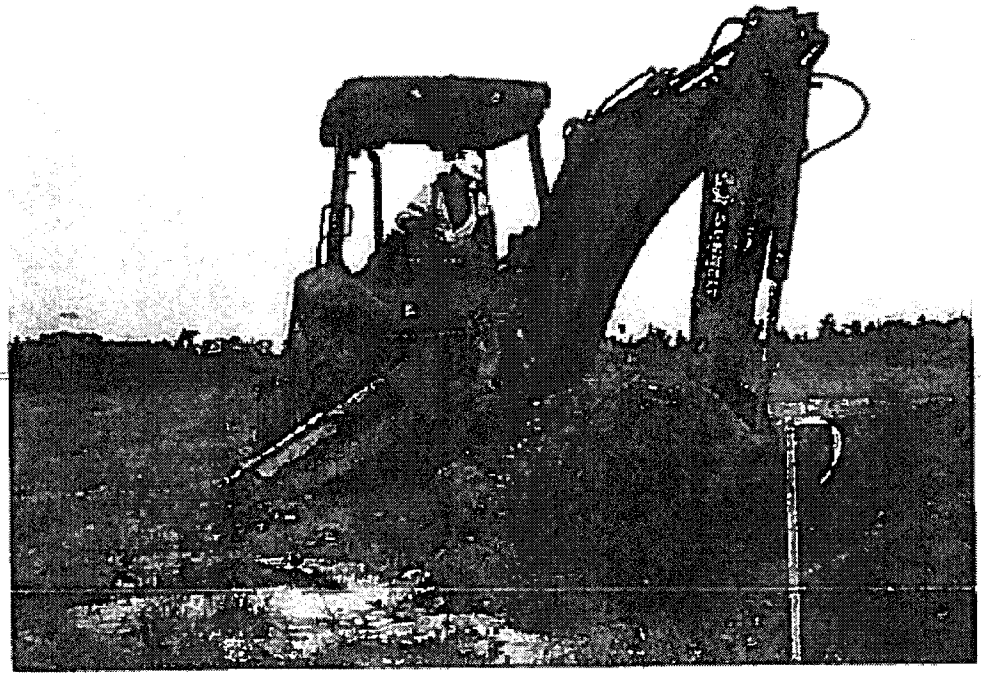


Figure No 1: Stockpile Area Aerial View

Field Exploration

On November 5th, 2013, a total of twenty exploratory test pits (P-1 through P-20) were conducted at the Stockpile Area by means of a backhoe. Eighteen test pits P-3 through P-20 were performed on the west stockpile; and the east stockpile was explored by means of two test pits TP-1 through TP-2. The test pits were excavated to approximately 7-9 feet below the existing grades. The test pits were conducted and extended beyond the bottom of the stockpiled soils into the natural ground. The locations of the test pits are shown on the Field Exploration Plan presented in the Attachments.



Laboratory Testing

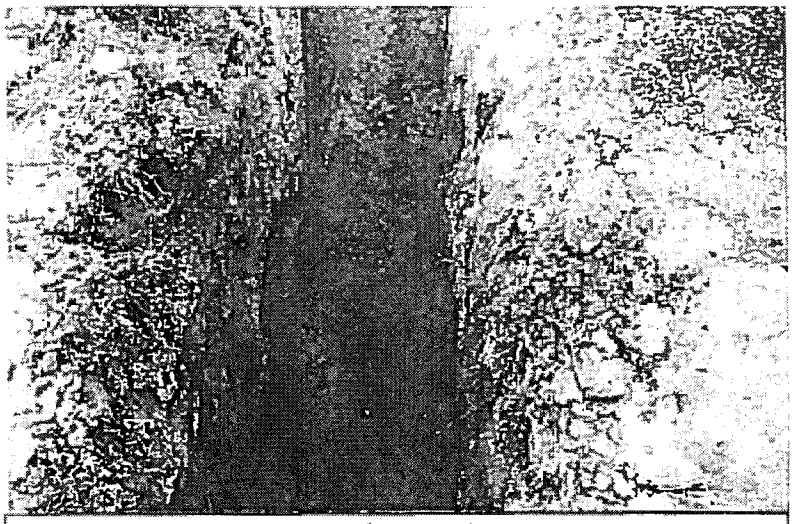
Quantitative laboratory testing was performed on representative soil samples recovered from the field exploration. These tests were performed to better define the physical properties of the soils encountered. The laboratory tests were performed to determine percent fines (-200 sieve), percent organics, grain size distribution, and natural moisture content of the soil samples. Results of laboratory tests are presented in the Summary of Laboratory Test Results included in the Attachments. Grain Size Distribution Curves are also included in the Attachments.

Soil Conditions

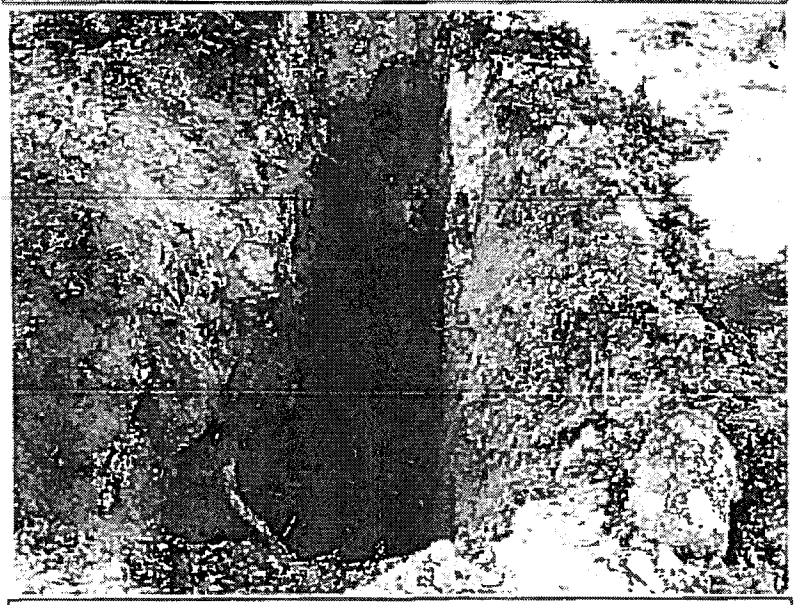
The results of our field investigation indicates that the two stockpiles generally consist of suitable soils with the majority being fine sands (A-3 ASHTO Soil Classification) and silty sands (A-2-4) with trace of roots and tree limbs.

Small Lumps of plastic clayey (A-2-6) soils were randomly encountered in certain test pits, but not predominant. An isolated layer of sandy clay (A-6) was encountered in one test pit. Isolated roots and tree limbs were generally encountered throughout the project at both stockpiles. In certain areas these suitable stockpile soils were generally underlain by unsuitable soils consisting of topsoils or organic (A-8) soils until the test pit termination depths.

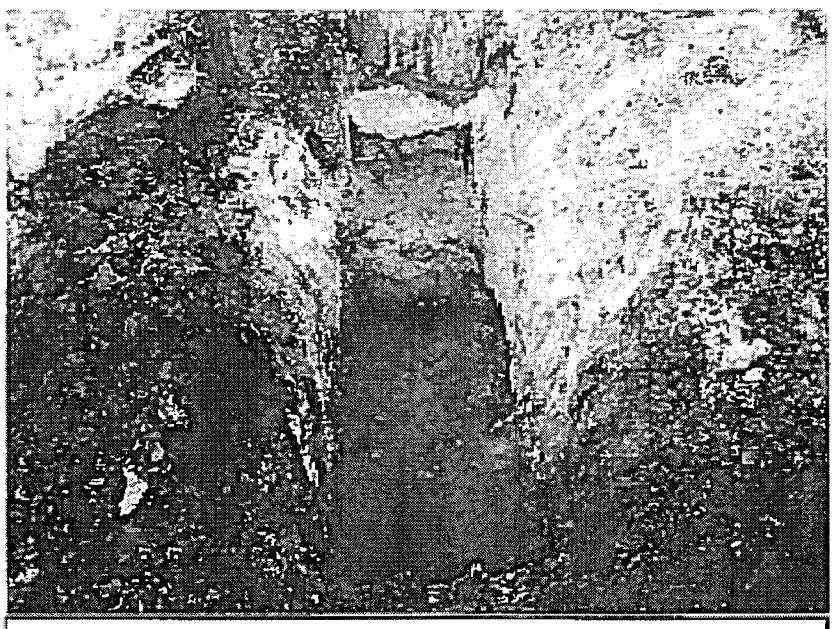
A Summary of Test Pit Encountered Soils is included in the Attachments. The following are photos of the test pits as they were being excavated.



Test Pit No. P-1



Test Pit No. P-2



Test Pit No. P-19

Test Pit No. P-20

Suitability of Stockpiled Soils

Based on our findings, the majority of the explored stockpiled soils generally consist of suitable fine sands and slightly silty sands (A-3) and silty sands (A-2-4) which are considered as select soils. However it is cautioned that small lumps of plastic clayey (A-2-6) soils and sandy clays (A-6) were randomly encountered in certain areas, but not predominant. Isolated roots and tree limbs were generally encountered throughout the project at both stockpiles.

Fine sands and slightly silty sands classified as A-3 are considered as select material. Silty sands (A-2-4), is select material, however, it may retain excess moisture and may be difficult to dry and compact. Clayey sands (A-2-6) and sandy clays (A-6), if encountered during borrow activities, should be regarded as plastic materials. Organic material (A-8) is regarded as muck which is considered unsuitable for construction.

We recommend that certain quality control measures be implemented in order to enable the earthwork contractor to efficiently use the select material from the stockpiles site. We recommend that unsuitable soils, large roots and tree limbs should be separated from the stockpile soils, such that the excavated material from the stockpiles can be used for structural backfill purposes.

We have enjoyed working with you on this project and look forward to continued association with you on future projects. If you have any questions concerning this report, please contact our office.

Sincerely,

CSI Geo, Inc.

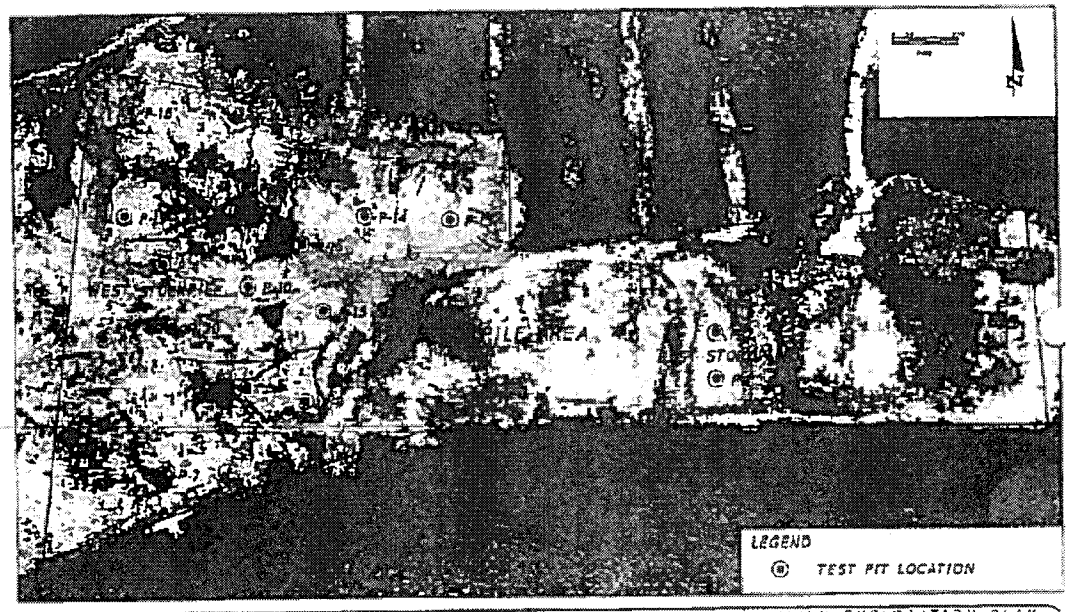
John A. Iya, P.E.
Senior Geotechnical Engineer

Bruce Khosrozadeh, P.E.
Senior Geotechnical and Materials Engineer

Attachments:

Attachments

Field Exploration Plan
Summary of Test Pit Encountered Soils
Summary of Laboratory Test Results
Grain Size Distribution Curves



CSIGeo
GEOTECHNICAL CONT. CEL
JACKSONVILLE, FLORIDA

GEOTECHNICAL ENGINEERING
CONSTRUCTION MATERIAL TESTING
CONSTRUCTION ENGINEERING INSPECTION

FIELD EXPLORATION PLAN
NORTHERN STOCKPILE AT
CECIL COMMERCE CENTER
JACKSONVILLE, FLORIDA

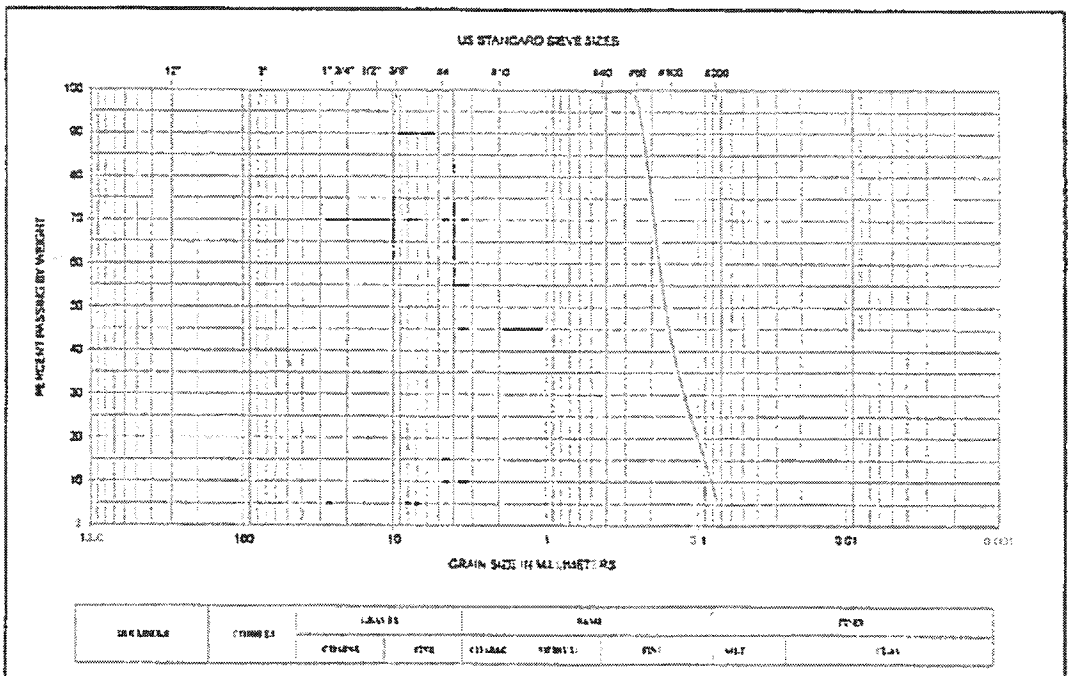
Summary of Test Pit Encountered Soils			
Northern Stockpile at Cecil Commerce Center, Jacksonville, Florida			
Test Pit No.	AASHTO Soil Classification	Soil Description	Depth Range (ft)
P-1	A-2-4	Silty Fine Sand	0.0 - 8.0
P-2	A-2-4	Silty Fine Sand	0.0 - 7.5
P-3	A-2-4	Silty Fine Sand	0.0 - 8.0
P-4	A-2-4	Silty Fine Sand	0.0 - 7.5
P-5	A-2-4	Silty Fine Sand	0.0 - 4.0
	A-3	Slightly Silty Fine Sand	4.0 - 8.0
P-6	A-2-4	Silty Fine Sand	0.0 - 7.0
P-7	A-2-4	Silty Fine Sand	0.0 - 8.0
P-8	A-2-4	Silty Fine Sand	0.0 - 8.5
P-9	A-2-4	Silty Fine Sand	0.0 - 7.5
P-10	A-2-4	Silty Fine Sand	0.0 - 2.0
	A-3	Slightly Silty Fine Sand	2.0 - 8.0
P-11	A-2-4	Silty Fine Sand	0.0 - 8.0
P-12	A-2-4	Silty Fine Sand	0.0 - 7.5
P-13	A-2-4	Silty Fine Sand	0.0 - 9.0
P-14	A-2-4	Silty Fine Sand	0.0 - 7.5
P-15	A-2-4	Silty Fine Sand	0.0 - 8.0
P-16	A-3	Slightly Silty Fine Sand	0.0 - 7.0
P-17	A-2-4	Silty Fine Sand	0.0 - 5.0
	A-3	Slightly Silty Fine Sand	5.0 - 7.0
P-18	A-3	Fine Sand	0.0 - 4.0
	A-2-4	Silty Fine Sand	4.0 - 8.0
P-19	A-2-4	Silty Fine Sand	0.0 - 6.0
	A-6	Sandy Clay	6.0 - 8.0
P-20	A-2-4	Silty Fine Sand	0.0 - 7.5

SUMMARY OF LABORATORY TEST RESULTS

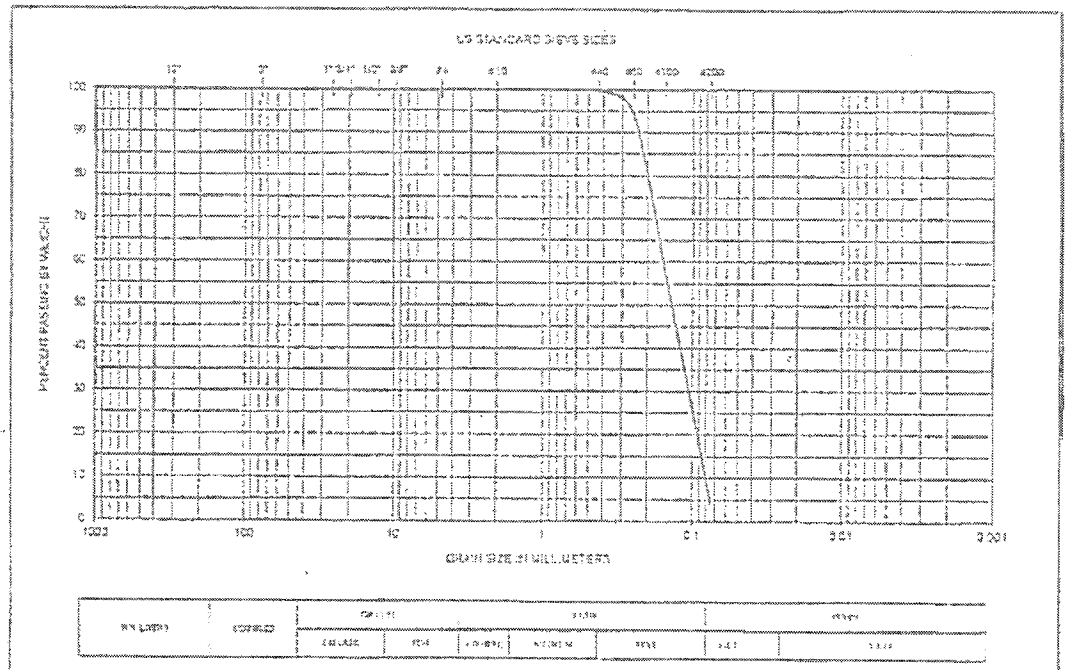
Northern Stockpiles at Cecil Commerce Center
Jacksonville, Florida
PROJECT NUMBER 71-13-132-65

Boring No.	Sample No.	Approximate Depth (ft)		Natural Moisture Content (%)	Organic Content (%)	Percent Passing Sieve Size (%)						Atterberg Limits		Soil Classification Symbol
						#4	#10	#40	#60	#100	#200	LL	PI	
P-1	2	60	70	13							16			A-2-4
P-2	1	20	30	11	3						17			A-2-4
P-3		7	80	8	3						12			A-2-4
P-4		70	80	12							14			A-2-4
P-5		20	30	14	2						15			A-2-4
P-6	2	40	50	13							12			A-2-4
P-7		30	4	3							19			A-2-4
P-8		10	20	4	3						18			A-2-4
P-9		0	40	4							13			A-2-4
P-10		7	8	6			100	100	97	93	6			A-3
			4								13			A-2-4
			3	7							11			A-2-4
			3	[illegible]							12			A-2-4
					[illegible]						15			A-2-4
				4							17			A-2-4
[illegible]	[illegible]	[illegible]							97	94	9			A-3
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]						18			A-2-4
[illegible]									8		4			A-3
[illegible]	[illegible]										22			A-4
[illegible]	[illegible]	70									24			A-2-4

[illegible]



BORING NO.	SAMPLE NO.	DEPTH (FT)	W (%)	LL	PL	PI	SOIL DESCRIPTION / CLASSIFICATION	GRAIN SIZE DISTRIBUTION
P-10	2	7.0-8.0	16	-	-	-	Slightly Silty Fine SAND A-3	Project Name: Northern Stockpiles at Cecil Commerce Center
								CSIGeo Geotechnical · CMT · CEI



BORING NO.	SAMPLE NO.	DEPTH (FT)	W (%)	LL	PL	PI	SOIL DESCRIPTION	GRAIN SIZE DISTRIBUTION
P-19	1	3.0-4.0	15.8	-	-	-	Fine SAND (SP)	Project Name: Northen Stockpiles at Cortt Commerce Center

CSIGeo
Geotechnical · CMT · CSI

Sign for the Duration of the Project (EXHIBIT "K")

NEW DEPARTMENT OF PUBLIC WORKS SIGN (STANDARD)

STANDARD
Public Works Project Site Sign
VERSION APPROVED 8/1/2006

Scale: 1.25" = 1'
Yellow: RGB 252/177/49
Blue: RGB 0/125/183
Black: RGB 0/0/0
Font: Sans Serif – Arial or similar

Geotechnical Exploration – 911 Backup Call Center (EXHIBIT "L")

From: Williams, Maria
Sent: Tuesday, January 09, 2018 2:24 PM
To: 'James Durkin (jdurkin@auld-white.com)'
Cc: 'goodsone@bellsouth.net'; Kent, Duane; larryap18@gmail.com
Subject: 911 Backup Call Center - Geotechnical Exploration - Borings

James,

I'm going to request 3 STP borings (depth 30') for the 911 Backup Call Center Building. Do you need more? How many Auger Borings (10') in Airman Drive do you want (2?...3?).

Please advise. Thanks, Maria

From: Williams, Maria
Sent: Monday, January 08, 2018 4:14 PM
To: James Durkin (jdurkin@auld-white.com)
Cc: goodsone@bellsouth.net; Kent, Duane
Subject: FW: Fire Station No. 73 and 911 Backup Call Center - SURVEY - Wetland and Airman Drive

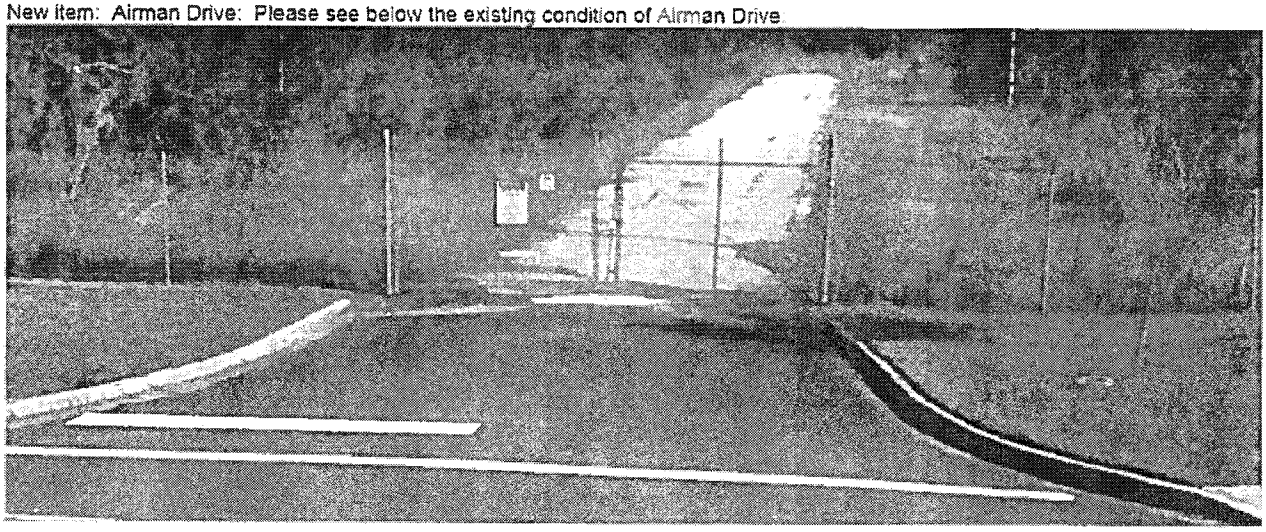
Ed / James,

I didn't receive your response indicating the number of borings needed in Airman Drive. Based in the borings you can determine if the existing driveway is usable as base or if needs to be removed and replaced. Please advise. Thanks, Maria

From: Williams, Maria
Sent: Thursday, December 28, 2017 10:43 AM
To: goodsone@bellsouth.net
Subject: FW: Fire Station No. 73 and 911 Backup Call Center - SURVEY - Wetland and Airman Drive

Ed, How many cores do you need? Please let me know Thanks, Maria

New item: Airman Drive: Please see below the existing condition of Airman Drive



The DCP indicates: "Airman Drive needs to be widened to 24'." Please indicate your recommendation for the resurfacing and widening Is the existing pavement usable as a base? Do we need to add crack relief ?...etc.

Thanks, Maria

Report of Geotechnical Exploration

For

COJ Fire Station #73
Jacksonville, FL

MAE Project No. 0124-01.006
September 29, 2017

Prepared for:

City of Jacksonville
117 W. Duval Street
Jacksonville, FL

Prepared by:

Meskel & Associates Engineering
Geotechnical • Environmental • Inspection • Testing

8936 Western Way, Suite 12
Jacksonville, Florida 32256
Phone (904) 519-6990
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Meskel & Associates Engineering
Geotechnical • Environmental • Inspection • Testing

September 29, 2017

Joey Broussard, State of Florida, Professional Engineer, License No. 58233. This item has been electronically signed and sealed by Joey Broussard, P.E. on 09/29/17 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

City of Jacksonville Engineering Division Section
Department of Public Works
214 N. Hogan Street, 10th Floor
Jacksonville, Florida 32202

Attention: Ms. Maria Williams, P.E.

Reference: Report of Geotechnical Exploration
COJ Fire Station #73
Jacksonville, Florida
MAE Project No. 0124-01.006

Dear Ms. Williams:

Meskel & Associates Engineering, LLC has completed a geotechnical exploration for the subject project. Our work was performed in general accordance with our proposal dated August 21, 2017. The geotechnical exploration was performed to evaluate the general subsurface conditions within the proposed Fire Station #73 construction area, and to provide recommendations for foundation support and design, and site preparation. A summary of our findings is presented below for your convenience; however, we recommend that this report be considered in its entirety.

As further discussed in this report, the boring encountered very loose to dense fine sands (USCS SP), fine sands with silt and/or clay (USCS SP-SM and SP-SC, respectively), clayey fine sands (USCS SC) and silty fine sands (USCS SM) to their termination depths of up to 30 feet below the existing ground surface. Groundwater was encountered in the boring between 4-inches and 3-foot 2-inches below the existing ground surface, at the time of drilling. Based on the provided construction information and our field exploration, it is our opinion that the proposed structure can be supported on conventional shallow foundation systems with conventional site preparation techniques.

We appreciate this opportunity to be of service as your geotechnical consultant on this phase of the project. If you have any questions, or if we may be of any further service, please contact us.

Sincerely,
MESKEL & ASSOCIATES ENGINEERING, LLC
MAE FL Certificate of Authorization No. 28142

Joey J Broussard
Digitally signed by Joey J Broussard
Date: 2017.09.29 14:32:37 -04'00'

W. Josh Mele, E.I.
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Director of Geotechnical Engineering
Registered, Florida No. 58233

Distribution: Ms. Maria Williams, P.E. – COJ Engineering Division 1 pdf

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FIGURES

Figure 1.	Site Location Map
Figure 2.	Boring Location Plan
Figures 3-6.	Generalized Soil Profiles

APPENDICES

Appendix A.	Soil Boring Logs
	Field Exploration Procedures
	Key to Boring Logs
	Key to Soil Classification
Appendix B.	Laboratory Data
	Laboratory Test Procedures

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1.0 PROJECT INFORMATION

1.1 General

You provided project information via several emails and telephone conversations. We were provided with a drawing entitled "Geotechnical Exploration" that indicated the requested scope of field services.

1.2 Project Description

The site for the subject project is located within the northeastern quadrant of the intersection of Aviation Avenue and Airman Drive, in Jacksonville, Florida. The general site location is shown on Figure 1.

Based on the provided information and our discussions with you, it is our understanding that the proposed project includes the construction of a new Fire Station and an Emergency Operations Center consisting of 11,000 square feet and 12,000 square feet, respectively, in "footprint" plan dimensions. Although detailed information has not been provided, we have assumed the column, wall, and floor loads will not exceed 50 kips, 3 kips per linear foot (klf) and 150 pounds per square foot (psf), respectively. Grading plans were not provided at the time of our evaluation; however, we have assumed the building and pavement areas will be supported on less than 2 to 3 feet of fill above the presently existing ground surface.

We also understand that a stormwater detention pond with an approximate area of 8,500 square feet is planned for the eastern portion of the project site.

If actual project information varies from these conditions, then the recommendations in this report may need to be re-evaluated. Any changes in these conditions should be provided so the need for re-evaluation of our recommendations can be assessed prior to final design.

2.0 FIELD EXPLORATION

A field exploration was performed during the period of September 14 through 18, 2017. A copy of the plan provided to us, which shows the approximate boring locations, is included as the *Boring Location Plan*, Figure 2. GPS coordinates for the boring locations were obtained by overlaying the provided plan in Google Earth. Our field personnel then located each boring location using a Garmin GPSMAP 78 handheld GPS receiver in the field.

2.1 SPT and Auger Borings

To explore the subsurface conditions within the area of the proposed Fire Station structure, we located and performed 3 Standard Penetration Test (SPT) borings, drilled to depths of approximately 30 feet below the existing ground surface, in general accordance with the methodology outlined in ASTM D 1586. Split-spoon soil samples recovered during performance of the borings were visually described in the field and representative portions of the samples were transported to our laboratory for further evaluation.

To determine the subsurface conditions within the proposed pavement and pond areas, we located and performed 8 auger borings, drilled to depths of approximately 6 and 8 feet, respectively, below the existing ground surface in general accordance with the methodology outlined in ASTM D 1452. Representative soil samples also were recovered from the auger borings and returned to our

laboratory for further evaluation. A summary of the field procedures is included in Appendix A.

2.2 Field Permeability Test

Four field permeability tests were performed adjacent to the auger boring locations conducted within the proposed pond. The field permeability tests were performed by installing a solid-walled, open-bottom PVC casing snugly fit into a 4-inch diameter, 5 to 8-foot deep auger boreholes. The bottom 1.5 feet of the pipe was filled with silica sand or gravel, and the pipe was then raised one foot above the bottom of the borehole. The pipe was filled to the top with water. The test was conducted as a "constant head" test in which the amount of water added to keep the water level at the top of the pipe was recorded at 3-minute intervals over a 36-minute period.

3.0 LABORATORY TESTING

Representative soil samples obtained during our field exploration were visually classified by a geotechnical engineer using the Unified Soil Classification System (USCS) in general accordance with ASTM D 2488. A *Key to the Soil Classification System* is included in Appendix A.

Quantitative laboratory testing was performed on selected samples of the soils encountered during the field exploration to better define the composition of the soils encountered and to provide data for correlation to their anticipated strength and compressibility characteristics. The laboratory testing determined the percent of fines passing a U.S. No. 200 sieve (percent fines), moisture and organic contents of selected soil samples. The results of the laboratory testing are shown in the *Summary of Laboratory Test Data* included in Appendix B. Also, these results are shown on the *Generalized Soil Profiles* on Figures 3 through 6, and on the *Log of Boring* records at the respective depths from which the tested samples were recovered.

4.0 GENERAL SUBSURFACE CONDITIONS

4.1 General Soil Profile

Graphical presentation of the generalized subsurface conditions is presented on Figures 3 through 6. Detailed boring records are included in Appendix A. When reviewing these records, it should be understood that the soil conditions will vary between the boring locations.

4.1.1 Fire Station Structure Area

The SPT borings within the Fire House structure area generally encountered very loose fine sands (USCS SP) and fine sands with silt (USCS SP-SM) to depths of approximately 2 to 4-feet below the existing ground surface, followed by medium dense fine sands (USCS SP) and fine sands with silt and/or clay (USCS SP-SM and SP-SC, respectively) to about 6 feet beneath existing grade. Below the slightly silty/clayey fine sands, the borings encountered medium dense silty fine sands (USCS SM) to their termination depths of 30 feet below existing ground surface. As exceptions, boring B-1 terminated within dense fine sands with silt (USCS SP-SM) from 29 to 30-feet of depth, and boring B-3 encountered medium dense clayey fine sands (USCS SC) between approximately 4 and 6 feet of depth.

4.1.2 Pavement Areas

The auger borings within the pavement area generally encountered a surficial topsoil layer measuring about 6 inches in thickness, underlain by fine sands with silt and/or clay to the boring termination depth of 6 feet beneath existing grade.

4.1.3 Pond Area

The auger borings within the pond area generally encountered a surficial topsoil layer measuring about 6 inches in thickness, followed by fine sands with silt (USCS SP-SM) to about 4 to 7-feet of depth, and then followed by silty fine sands (USCS SM) to their termination depths of 8 feet below the existing ground surface. As an exception, boring P-2 did not encounter a surficial topsoil layer.

4.2 Groundwater Level

The groundwater level was encountered at each of the boring locations and recorded at the time of drilling at depths varying from 4-inches to 3-feet 2-inches below the existing ground surface. However, it should be anticipated that the groundwater levels will fluctuate seasonally and with changes in climate. As such, we recommend that the water table be verified prior to construction. Measured groundwater levels are shown the boring profiles and boring logs.

4.3 Review of the USDA Web Soil Survey Map

The results of a review of the USDA Soil Survey Conservation Service (SSCS) Web Soil Survey of Duval County are shown in the table below. There are two predominant soil map units at the project sight: Boulogne fine sand and Evergreen-Wesconnett complex. The soil drainage class, hydrological group, and estimated seasonal high groundwater levels reported in the Soil Survey are as follows:

Map Unit Symbol	Map Unit Name	Drainage Class	Hydrologic Group	Depth to the Water Table(1) (inches)
14	Boulogne fine sand, 0 to 2 percent slopes	Poorly Drained	C/D	6 to 18
22	Evergreen-Wesconnett complex(2), depressional, 0 to 2 percent slopes	Very Poorly Drained	A/D	0

(1) The "Water table" above refers to a saturated zone in the soil which occurs during specified months, typically the summer wet season. Estimates of the upper limit shown in the Web Soil Survey are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

(2) The term "complex", as defined by the USDA, refers to a map unit consisting of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the map.

4.4 Seasonal High Groundwater Level

In estimating seasonal high groundwater level, a number of factors are taken into consideration

including antecedent rainfall, soil redoximorphic features (i.e., soil mottling), stratigraphy (including presence of hydraulically restrictive layers), vegetative indicators, effects of development, and relief points such as drainage ditches, low-lying areas, etc.

Based on our interpretation of the current site conditions, including the boring logs and review of published data, we estimate the seasonal high groundwater levels at the site to be generally 0.5 to 1 feet above the water levels measured at the time of our field work.

It is possible that higher groundwater levels may exceed the estimated seasonal high groundwater level as a result of significant or prolonged rains. Therefore, we recommend that design drawings and specifications account for the possibility of groundwater level variations, and construction planning should be based on the assumption that such variations will occur.

5.0 DESIGN RECOMMENDATIONS

5.1 General

The following evaluation and recommendations are based on the provided project information as presented in this report, results of the field exploration and laboratory testing performed, and the construction techniques recommended in Section 6.0 below. If the described project conditions are incorrect or changed after this report, or subsurface conditions encountered during construction are different from those reported, MAE should be notified so these recommendations can be re-evaluated and revised, if necessary. We recommend that MAE review the foundation plans and earthwork specifications to verify that the recommendations in this report have been properly interpreted and implemented.

5.2 Foundation Design Recommendations

Based on the results of our exploration, we consider the subsurface conditions at the site adaptable for support of the proposed Fire Station structure and its associated pavement areas when constructed on a properly designed shallow foundation system. Provided the site preparation and earthwork construction recommendations outlined in Section 6.0 of this report are performed, the following parameters may be used for foundation design.

5.2.1 Bearing Pressure

The maximum allowable net soil bearing pressure for use in shallow foundation design should not exceed 3,000 psf. Net bearing pressure is defined as the soil bearing pressure at the foundation bearing level in excess of the natural overburden pressure at that level. The foundations should be designed based on the maximum load that could be imposed by all loading conditions.

5.2.2 Foundation Size

The minimum widths recommended for any isolated column footings and continuous wall footings are 24 inches and 18 inches, respectively. Even though the maximum allowable soil bearing pressure may not be achieved, these width recommendations should control the size of the foundations.

5.2.3 Bearing Depth

The exterior foundations should bear at a depth of at least 18 inches below the exterior final grades, and the interior foundations should bear at a depth of at least 12 inches below the finish floor elevation to provide confinement to the bearing level soils. It is recommended that stormwater be

diverted away from the building exterior to reduce the possibility of erosion beneath the exterior footings.

5.2.4 Bearing Material

The foundations may bear in either the compacted suitable natural soils or compacted structural fill. The bearing level soils, after compaction, should exhibit densities equivalent to 95 percent of the modified Proctor maximum dry density (ASTM D 1557), to a depth of at least one foot below the foundation bearing levels.

5.2.5 Settlement Estimates

Post-construction settlements of the structure will be influenced by several interrelated factors, such as (1) subsurface stratification and strength/compressibility characteristics; (2) footing size, bearing level, applied loads, and resulting bearing pressures beneath the foundations; and (3) site preparation and earthwork construction techniques used by the contractor. Our settlement estimates for the structure are based on the use of site preparation/earthwork construction techniques as recommended in Section 6.0 of this report. Any deviation from these recommendations could result in an increase in the estimated post-construction settlements of the structure.

Due to the sandy nature of the near-surface soils, we expect the majority of settlement to occur in an elastic manner and fairly rapidly during construction. Using the recommended maximum bearing pressure, the supplied/assumed maximum structural loads, and the field and laboratory test data that we have correlated to geotechnical strength and compressibility characteristics of the subsurface soils, we estimate that total settlements of the structure could be on the order of one inch or less.

Differential settlements result from differences in applied bearing pressures and variations in the compressibility characteristics of the subsurface soils. Because of the general uniformity of the subsurface conditions and the recommended site preparation and earthwork construction techniques outlined in Section 6.0, we anticipate that differential settlements of the structure should be within tolerable magnitudes.

5.2.6 Floor Slab

The floor slab can be constructed as a slab-on-ground, provided unsuitable material is removed and replaced with compacted structural fill as outlined in Section 6.0. It is recommended that the floor slab bearing soils be covered with an impervious membrane to reduce moisture entry and floor dampness. A 6-mil thick plastic membrane is commonly used for this purpose. Care should be exercised not to tear large sections of the membrane during placement of reinforcing steel and concrete. In addition, we recommend that a minimum separation of 2 feet be maintained between the finished floor levels and the estimated normal seasonal high groundwater level.

5.3 Pavement Considerations

Based on the results of our exploration, we consider the subsurface conditions at the site favorable for support of a flexible pavement section, when constructed on properly prepared subgrade soils as outlined in Section 6.0 of this report. Typical pavement sections used in northeast Florida are shown on the following table. If requested, we can prepare a project-specific pavement design if specific traffic data is provided.

TYPICAL PAVEMENT SECTION		
Pavement Layer	Auto Parking & Traffic Lanes	Truck Areas
Asphaltic Concrete Wearing Surface	1.5"	2.0"
Limerock Base (1)	6.0"	8.0"
Stabilized Subgrade (1)	12.0"	12.0"
(1) Groundwater should be maintained at least 2.5 feet below the pavement surface.		

CONCRETE TYPICAL PAVEMENT SECTION		
Pavement Layer	Auto Parking & Traffic Lanes	Truck Areas
Concrete Wearing Surface	5"	6"
Stabilized Subgrade (1)	4.0"	6.0"
(1) Groundwater should be maintained at least 2.5 feet below the pavement surface.		

5.3.1 Wearing Surface

The wearing surface should consist of Florida Department of Transportation (FDOT) Type S asphaltic concrete having a minimum Marshall Stability of 1,500 lbs. Concrete pavement should have a minimum 28-day strength of 3,000 psi. Specific requirements for Type S asphaltic concrete wearing surface are outlined in the latest edition of the *Florida Department of Transportation, Standard Specifications for Road and Bridge Construction.*

5.3.2 Base and Subgrade

The limerock base course should have a minimum Limerock Bearing Ratio (LBR) of 100 and should be compacted to 100 percent of the modified Proctor maximum dry density (ASTM D 1557, AASHTO T-180) value.

The subgrade material should have a minimum LBR of 40 and be compacted to 98 percent of the modified Proctor maximum dry density (ASTM D 1557, AASHTO T-180) value.

Satisfactory pavement life is dependent on dry/strong pavement support provided by the base and subgrade courses. Accordingly, a minimum clearance of 2 feet must be maintained between the estimated seasonal high groundwater table and the bottom of the base layer, or 2.5 feet below the pavement surface. Depending on final pavement grades, subsurface drains may be required to maintain dry base and subgrade materials. Once the final paving and drainage plans are prepared, we would be pleased to review them and the need for underdrains.

5.4 Pond Considerations

5.4.1 Soil Permeability

The results of the permeability tests indicated the following vertical permeabilities.

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Test Location	Test Depth (feet)	Measured Permeability (centimeters/seconds)
P-1	5	7.5×10^{-4} cm/sec
P-2	6	5.3×10^{-4} cm/sec
P-3	7	3.9×10^{-4} cm/sec
P-4	8	7.2×10^{-5} cm/sec

5.4.2 Borrow Suitability

Based on the boring results and classification of the soil samples, the fine sands, fine sands with silt, silty fine sands as encountered at the boring locations, are considered suitable for use as fill soil. However, it should be noted that the USCS SM soils (i.e., soils with more than 12 percent passing the No. 200 sieve) will be more difficult to compact due to their natural tendency to retain soil moisture and will require drying. It should be anticipated that if the USCS SM soils are not properly dewatered prior to excavation, drying of these soils to obtain the proper moisture content for compaction may take approximately 2 to 3 weeks, if weather permits. Depending on the anticipated time for completing the site work portion of the project and the drying time required to preclude pumping and yielding of these soils during placement and compaction operations, these soils may be considered unsuitable for use as fill material. The surficial organic materials will require removal and are considered unsuitable for use as structural fill. The organic soils could be used in landscape berms.

It should be anticipated the soils in the proposed pond area that are below the groundwater level will have moisture contents in excess of the modified Proctor optimum moisture content and will require stockpiling or spreading to bring the moisture content within 2 percent of the soil's optimum moisture content corresponding to the required degree of compaction.

6.0 SITE PREPARATION AND EARTHWORK RECOMMENDATIONS

Site preparation as outlined in this section should be performed to provide more uniform foundation bearing conditions, to reduce the potential for post-construction settlements of the planned structures and to maintain the integrity of a flexible pavement section.

6.1 Clearing and Stripping

Prior to construction, the location of existing underground utility lines within the construction area should be established. Provisions should then be made to relocate interfering utilities to appropriate locations. It should be noted that, if underground pipes are not properly removed or plugged, they may serve as conduits for subsurface erosion, which may subsequently lead to excessive settlement of overlying structures.

The "footprint" of the proposed building plus a minimum additional margin of 5 feet, and of the hardscape areas (parking/driveway) plus a minimum additional margin of 3 feet, should be stripped of all surface vegetation, stumps, debris, organic topsoil, or other deleterious materials. During grubbing operations, roots with a diameter greater than 0.5-inch, stumps, or small roots in a concentrated state, should be grubbed and completely removed.

Based on the results of our field exploration, it should be anticipated that 6 to 12 inches of topsoil

and soils containing significant amounts of organic materials may be encountered across the site. The actual depths of unsuitable soils and materials should be determined by Meskel & Associates Engineering using visual observation and judgment during earthwork operations. Any topsoils removed from the building and parking/drive areas can be stockpiled and used subsequently in areas to be grassed.

6.2 Temporary Groundwater Control

Because of the need for densification of the soils within the upper 2 feet below the stripped surface, temporary groundwater control measures may be required if the groundwater level is within 2 feet below the stripped and grubbed surface at the time of construction. Should groundwater control measures become necessary, dewatering methods should be determined by the contractor. We recommend the groundwater control measures, if necessary, remain in place until compaction of the existing soils is completed. The dewatering method should be maintained until backfilling has reached a height of 2 feet above the groundwater level at the time of construction. The site should be graded to direct surface water runoff from the construction area.

Note that discharge of produced groundwater to surface waters of the state from dewatering operations or other site activities is regulated and requires a permit from the State of Florida Department of Environmental Protection (FDEP). This permit is termed a *Generic Permit for the Discharge of Produced Groundwater From Any Non-Contaminated Site Activity*. If discharge of produced groundwater is anticipated, we recommend sampling and testing of the groundwater early in the site design phase to prevent project delays during construction. MAE can provide the sampling, testing, and professional consulting required to evaluate compliance with the regulations.

6.3 Compaction

After completing the clearing and stripping operations and installing the temporary groundwater control measures (if required), the exposed surface area should be compacted with a vibratory drum roller having a minimum static, at-drum weight, on the order of 4 to 6 tons. Typically, the material should exhibit moisture contents within ±2 percent of the modified Proctor optimum moisture content (ASTM D 1557) during the compaction operations. Compaction should continue until densities of at least 95 percent of the modified Proctor maximum dry density (ASTM D 1557) have been achieved within the upper 2 feet of the compacted natural soils at the site. Prior to compaction, proof-rolling of the site with a loaded dump truck is recommended to locate any unforeseen soft areas or unsuitable surface or near-surface soils.

Should the bearing level soils experience pumping and soil strength loss during the compaction operations, compaction work should be immediately terminated. The disturbed soils should be removed and backfilled with dry structural fill soils, which are then compacted, or the excess moisture content within the disturbed soils should be allowed to dissipate before recompacting.

Care should be exercised to avoid damaging any nearby structures while the compaction operation is underway. Prior to commencing compaction, occupants of adjacent structures should be notified, and the existing conditions of the structures should be documented with photographs and survey (if deemed necessary). Compaction should cease if deemed detrimental to adjacent structures, and Meskel & Associates Engineering should be contacted immediately. It is recommended that the vibratory roller remain a minimum of 50 feet from existing structures. Within this zone, use of a track-mounted bulldozer or a vibratory roller, operating in the static mode, is recommended.

6.4 Structural Backfill and Fill Soils

Any structural backfill or fill required for site development should be placed in loose lifts not exceeding 12 inches in thickness and compacted by the use of the above described vibratory drum roller. The lift thickness should be reduced to 8 inches if the roller operates in the static mode or if track-mounted compaction equipment is used. If hand-held compaction equipment is used, the lift thickness should be further reduced to 6 inches.

Structural fill is defined as a non-plastic, inorganic, granular soil having less than 10 percent material passing the No. 200 mesh sieve and containing less than 4 percent organic material. The fine sand and slightly silty or clayey fine sand, without roots, as encountered in the borings, are suitable as fill materials and, with proper moisture control, should densify using conventional compaction methods. It should be noted that soils with more than 10 to 12 percent passing the No. 200 sieve will be more difficult to compact, due to their nature to retain soil moisture, and may require drying. Typically, the material should exhibit moisture contents within ±2 percent of the modified Proctor optimum moisture content (ASTM D 1557) during the compaction operations. Compaction should continue until densities of at least 95 percent of the modified Proctor maximum dry density (ASTM D 1557) have been achieved within each lift of the compacted structural fill.

6.5 Foundation Areas

After satisfactory placement and compaction of the required structural fill, the foundation areas may be excavated to the planned bearing levels. The foundation bearing level soils, after compaction, should exhibit densities equivalent to 95 percent of the modified Proctor maximum dry density (ASTM D 1557), to a depth of one foot below the bearing level. For confined areas, such as the footing excavations, any additional compaction operations can probably best be performed by the use of a lightweight vibratory sled or roller having a total weight on the order of 500 to 2000 pounds.

6.6 Pavement Areas

After completing the clearing/stripping operations in the pavement areas, any underlying clayey sands and sandy clays that are within 2 feet of the bottom of the pavement base should be over-excavated from within the pavement areas. Structural backfill and fill required to achieve the finish pavement grades then can be placed and compacted as described Section 6.3 above. As an exception, densities of at least 98 percent of the modified Proctor maximum dry density (ASTM D1557) should be obtained within the upper one foot of the materials immediately below the proposed base course.

7.0 QUALITY CONTROL TESTING

A representative number of field in-place density tests should be made in the upper 2 feet of compacted natural soils, in each lift of compacted backfill and fill, and in the upper 12 inches below the bearing levels in the footing excavations. The density tests are considered necessary to verify that satisfactory compaction operations have been performed. We recommend density testing be performed as listed below:

- one location for every 5,000 square feet of building area
- 25 percent of any isolated column footing locations
- one location for every 100 linear feet of continuous wall footings
- one location for every 10,000 square feet of pavement area

8.0 REPORT LIMITATIONS

This report has been prepared for the exclusive use of The City of Jacksonville (COJ) for specific application to the design and construction of the Fire Station #73 project. An electronically signed and sealed version, and a version of our report that is signed and sealed in blue ink, may be considered an original of the report. Copies of an original should not be relied on unless specifically allowed by MAE in writing. Our work for this project was performed in accordance with generally accepted geotechnical engineering practice. No warranty, express or implied, is made.

The analyses and recommendations contained in this report are based on the data obtained from this project. This testing indicates subsurface conditions only at the specific locations and times, and only to the depths explored. These results do not reflect subsurface variations that may exist away from the boring locations and/or at depths below the boring termination depths. Subsurface conditions and water levels at other locations may differ from conditions occurring at the tested locations. In addition, it should be understood that the passage of time may result in a change in the conditions at the tested locations. If variations in subsurface conditions from those described in this report are observed during construction, the recommendations in this report must be re-evaluated.

The scope of our services did not include any environmental assessment or testing for the presence or absence of hazardous or toxic materials in the soil, groundwater, or surface water within or beyond the subject site. Any statements made in this report, and/or notations made on the generalized soil profiles or boring logs, regarding odors or other potential environmental concerns are based on observations made during execution of our scope of services and as such are strictly for the information of our client. No opinion of any environmental concern of such observations is made or implied. Unless complete environmental information regarding the site is already available, an environmental assessment is recommended.

If changes in the design or location of the structures, pavement areas and/or pond occur, the conclusions and recommendations contained in this report may need to be modified. We recommend that these changes be provided to us for our consideration. MAE is not responsible for conclusions, interpretations, opinions or recommendations made by others based on the data contained in this report.

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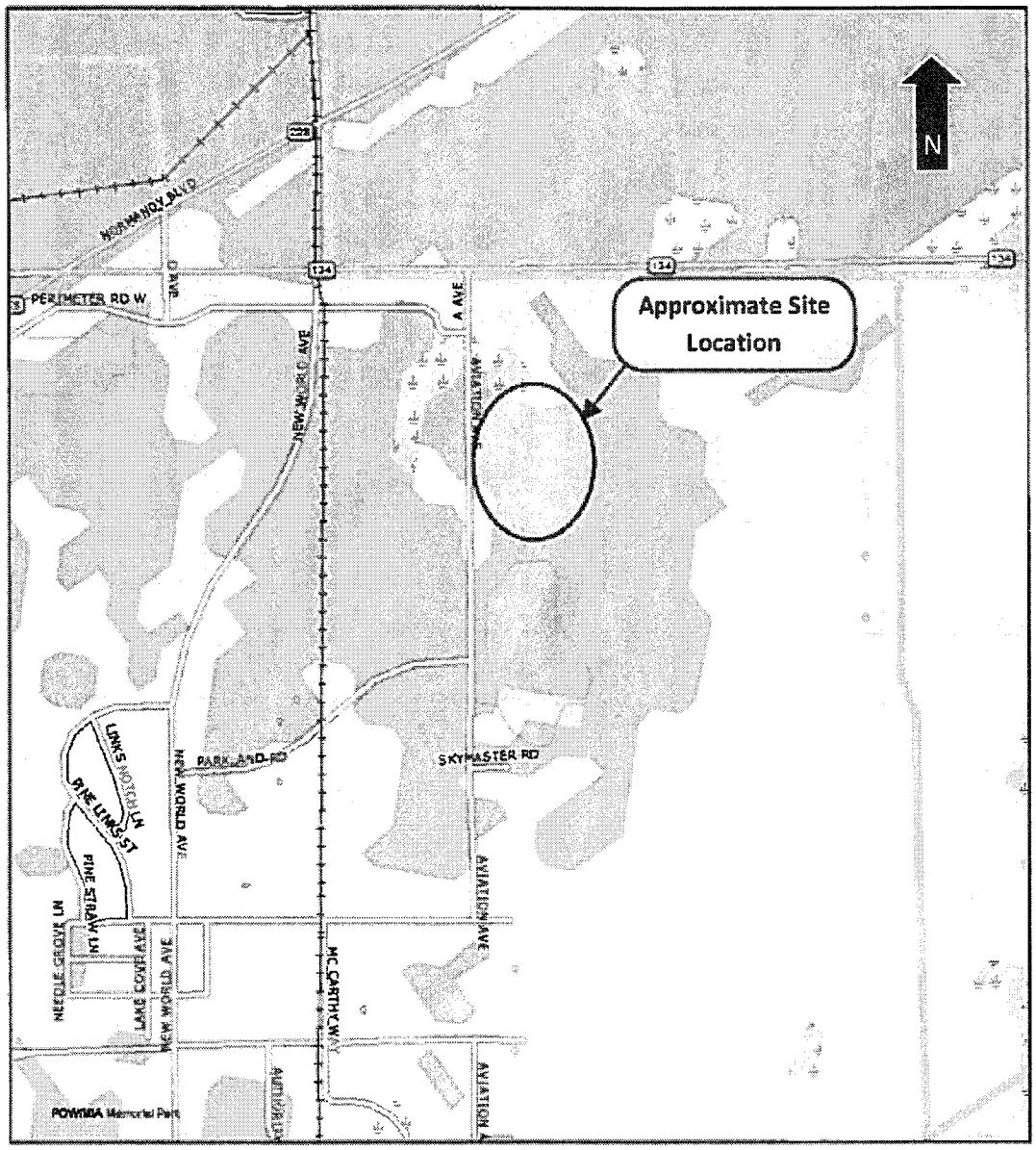
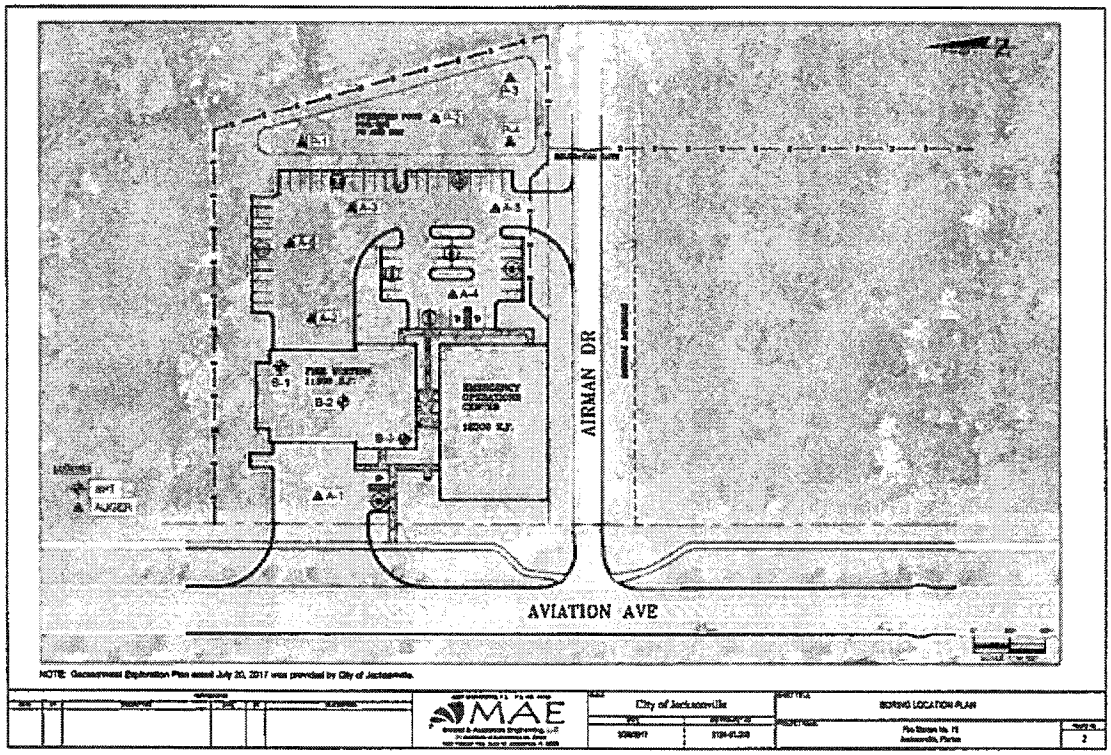
Figures



Site Location Map

PREPARED BY	PROJECT NAME	
MAE Moskel & Associates Engineering	Fire Station No. 73 Jacksonville, Florida	
	REFERENCE	SCALE
	Delorme XMap 7.0	NTS
PREPARED FOR	MAE PROJECT NO	FIGURE NO.
City of Jacksonville	0124-01.006	1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City of Jacksonville
BORING LOCATION PLAN
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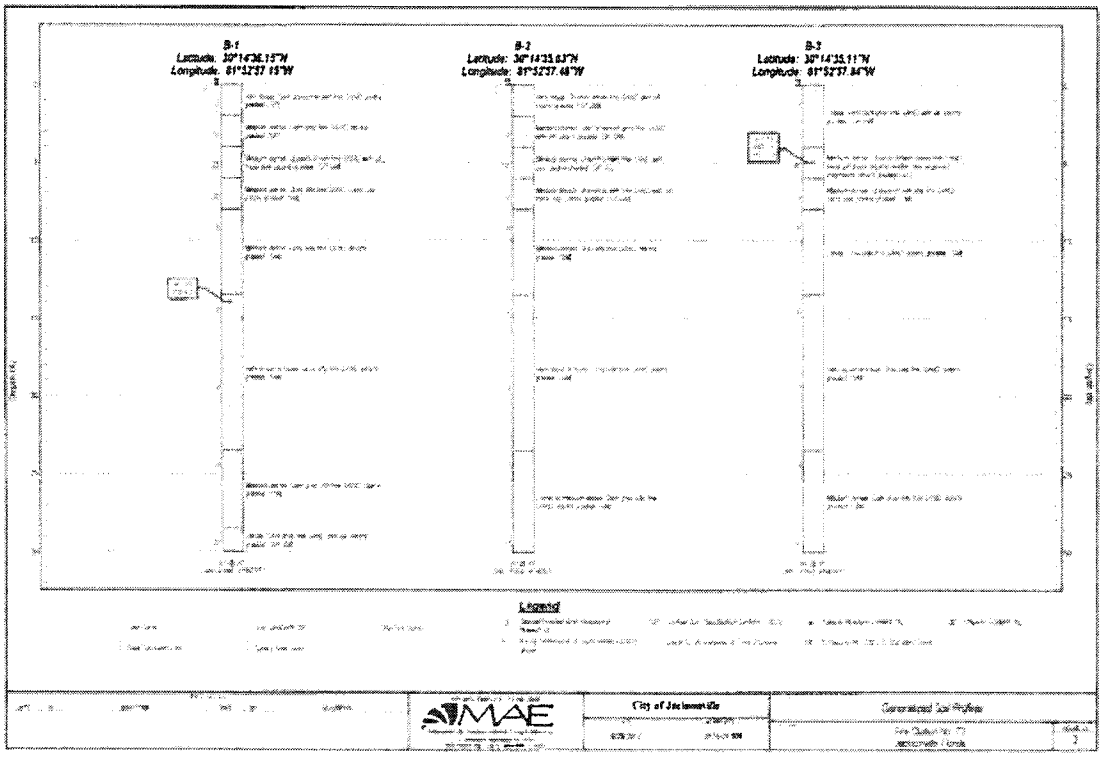
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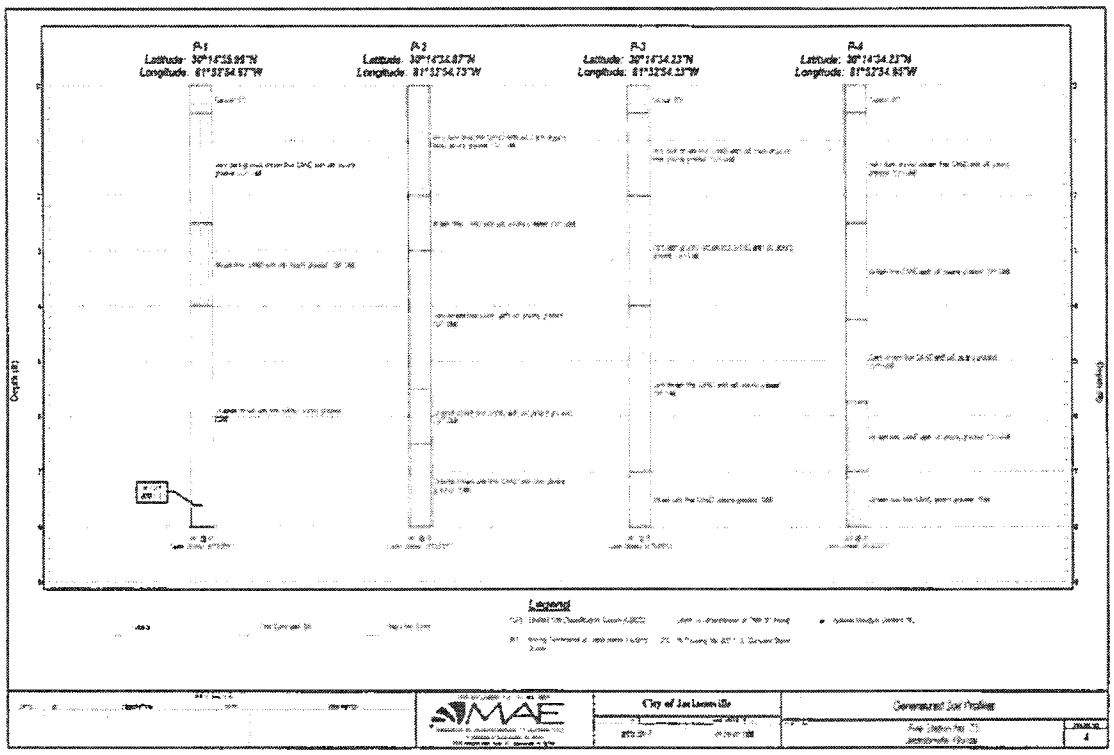
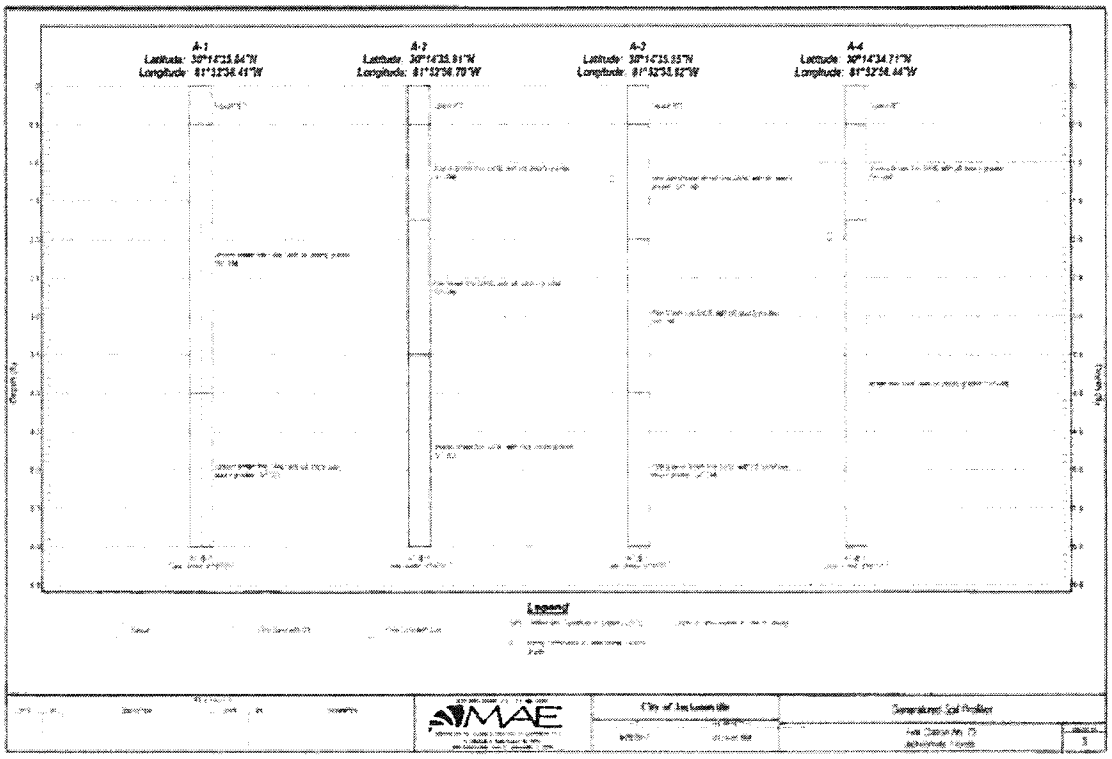
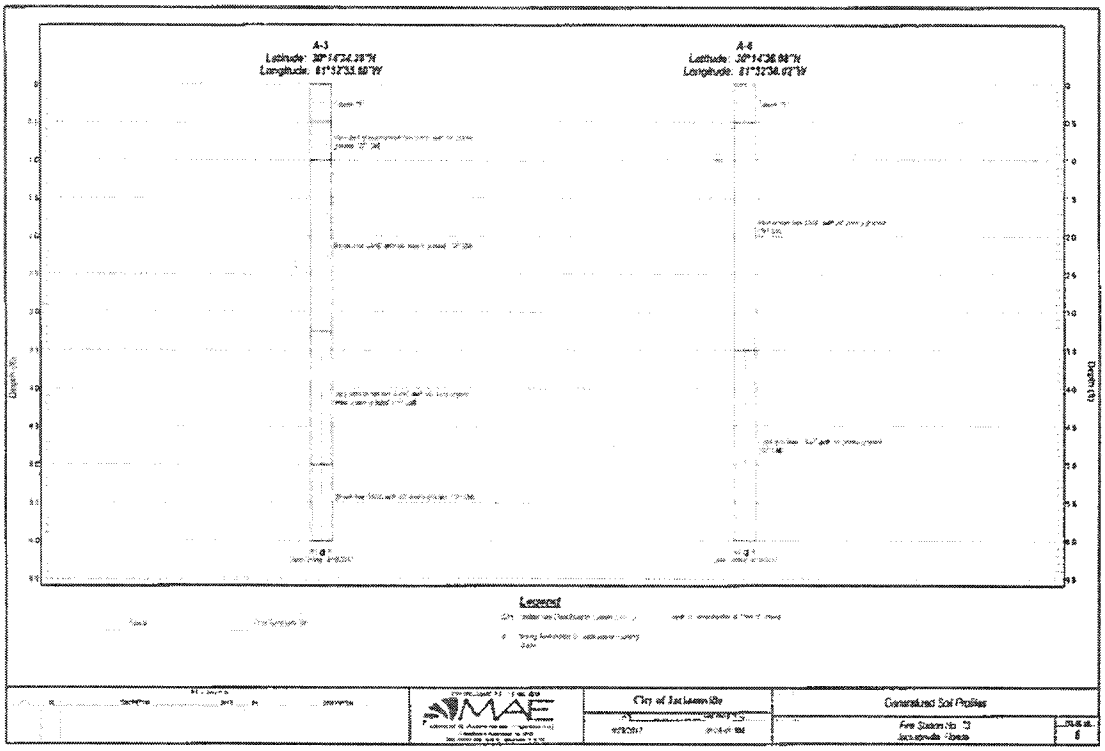
City of Jacksonville
MAE


P-1
Latitude: 30°14'35.95"N
Longitude: 81°32'54.97"W
P-2
Latitude: 30°14'34.87"N
Longitude: 81°32'54.73"W
P-3
Latitude: 30°14'34.23"N
Longitude: 81°32'54.33"W
P-4
Latitude: 30°14'34.21"N
Longitude: 81°32'54.95"W
Legend
MAE
City of Jacksonville
Generalized Soil Profiles


A-1
Latitude: 30°14'35.64"N
Longitude: 81°32'56.41"W
A-2
Latitude: 30°14'35.91"N
Longitude: 81°32'56.70"W
A-3
Latitude: 30°14'35.55"N
Longitude: 81°32'56.82"W
A-4
Latitude: 30°14'34.71"N
Longitude: 81°32'56.44"W
Legend
MAE
City of Jacksonville
Generalized Soil Profiles


A-3
Latitude:
Longitude:
A-4
Latitude:
Longitude:
Legend
City of Jacksonville
Generalized Soil Profiles
Fire Station No. 3

Appendix A

Meskel & Associates Engineering, LLC
FL Certificate of Authorization No. 28142
8936 Western Way, Suite 12
Jacksonville, FL 32256
P: (904)519-6990 F: (904)519-6992

Meskel & Associates Engineering

BORING B-1

PAGE 1 OF 2

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/14/17 COMPLETED 9/14/17

LATITUDE 30°14'36.15"N LONGITUDE 81°52'57.15"W

DRILLING CONTRACTOR MAE, LLC

DRILLING METHOD Standard Penetration Test

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE Automatic

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0	1	Very loose, Dark grayish brown fine SAND, poorly graded.	SP		WOH 1 2 2	2								
	2	Medium dense, Light gray fine SAND, poorly graded.	SP		2 4 6 7	10								
5	3	Medium dense, Grayish brown fine SAND with silt trace clay, poorly graded.	SP-SM		6 11 11 12	22								
	4	Medium dense, Gray silty fine SAND, trace clay, poorly graded.	SM		7 10 10 13	20								
10	5	Medium dense, Gray silty fine SAND, poorly graded.	SM		3 4 4 3	8								
15	6				1 1 1	2	15	23						
		Very loose to loose, Gray silty fine SAND, poorly graded.	SM											
20	7				2 2 2	4								

NOTES WOH-Sampler advanced by weight of hammer only

GROUND WATER LEVELS

AT TIME OF DRILLING 0 ft 4 in END OF DAY ---

(Continued Next Page)

NEW MAE LOG LATLONG EOD NEW TEMPLATE 7-30-12.GDT 9/29/17 08:24 P:\GINTFIGHT FILES\PROJECTS\0124-01 006\FIRESTATION# 73.GPJ

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BORING B-1

PAGE 2 OF 2

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN. (tsf)	RECOVERY % (RQD)	REMARKS
20		Very loose to loose, Gray silty fine SAND, poorly graded *(continued)*	SM											
25	8	Medium dense, Dark gray silty fine SAND, poorly graded	SM		4 4 4	8								
30	9	Dense, Dark gray fine SAND with silt, poorly graded.	SP-SM		6 17 20	37								
		Bottom of borehole at 30 feet.												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 0 ft 4 in END OF DAY --

NEW MAE LOG LATA ORG.GDT NEW TEMPLATE 7.30.12.GDT 9/28/17 08:24 F:\CHRTNGINT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

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BORING B-2

PAGE 1 OF 2

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No. 73
PROJECT LOCATION Jacksonville, Florida
CLIENT City of Jacksonville
DATE STARTED 9/14/17 COMPLETED 9/14/17
LATITUDE 30°14'35.63"N LONGITUDE 81°52'57.46"W
DRILLING CONTRACTOR MAE, LLC
DRILLING METHOD Standard Penetration Test
LOGGED BY C Morgan CHECKED BY W. Josh Mele
GROUND ELEVATION — HAMMER TYPE Automatic

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0	1	Very loose, Grayish brown fine SAND with silt, poorly graded.	SP-SM		WOH 1 1 3	2								
	2	Medium dense, Light brownish gray fine SAND with silt, poorly graded.	SP-SM		2 5 5 4	10								
5	3	Medium dense, Grayish brown fine SAND with clay, poorly graded.	SP-SC		3 6 9 12	15								
	4	Medium dense, Grayish brown fine SAND with silt trace clay, poorly graded.	SP-SM		3 4 8 9	12								
10	5	Medium dense, Gray silty fine SAND, poorly graded.	SM		3 4 4 5	8								
15	6	Very loose to loose, Gray silty fine SAND, poorly graded.	SM		1 1 1	2								
20	7				1 2 1	3								

NOTES WOH-Sampler advanced by weight of hammer only

GROUND WATER LEVELS
AT TIME OF DRILLING 0 ft 6 in END OF DAY --

(Continued Next Page)

NEW MAE LOG LATA ORIG EOD NEW TEMPLATE 7-30-12.GDT 9/29/17 08:24 F:\KINGHUT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

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BORING B-2

PAGE 2 OF 2

PROJECT NO. 0124-01.006

PROJECT NAME Fire Station No 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
20		Very loose to loose, Gray silty fine SAND, poorly graded. *(continued)*	SM											
25	8				4 2 3	5								
		Loose to medium dense, Dark gray silty fine SAND, poorly graded.	SM											
30	9				5 5 6	11								
		Bottom of borehole at 30 feet.												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 0 ft 6 in AT END OF DAY

REV MAE LOG LATK.ONG.EOD. HEN TEMPLATE 7.30.12.GDT 9/20/17 08:24 - F:\GINTPROJ\ FILES\PROJECTS\0124 01 006\FIRESTATION # 73.GPJ

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BORING B-3

PAGE 1 OF 2

PROJECT NO. 0124-01.006

PROJECT NAME: Fire Station No. 73
PROJECT LOCATION: Jacksonville, Florida
CLIENT: City of Jacksonville
DATE STARTED: 9/14/17 COMPLETED: 9/14/17
LATITUDE: 30°14'35.11"N LONGITUDE: 81°52'57.84"W
DRILLING CONTRACTOR: MAE, LLC
DRILLING METHOD: Standard Penetration Test
LOGGED BY: C. Morgan CHECKED BY: W. Josh Mele
GROUND ELEVATION: — HAMMER TYPE: Automatic

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0	1	Loose. Very dark gray fine SAND with silt, poorly graded.	SP-SM		0 1 2 2	3								
	2				1 1 2 3	3								
5	3	Medium dense, Grayish brown clayey fine SAND, trace silt, trace organic matter, few large root fragments, poorly graded.	SC		5 10 8 7	16	19	25	1.5					
	4	Medium dense, Grayish brown silty fine SAND, trace clay, poorly graded.	SM		3 4 5 6	9								
10	5				3 3 3 3	6								
		Loose. Gray silty fine SAND, poorly graded.	SM											
15	6				1 1 1	2								
		Very loose to loose. Gray silty fine SAND, poorly graded.	SM											
20	7				1 1 2	3								

NOTES

GROUND WATER LEVELS
AT TIME OF DRILLING: 0 ft 6 in END OF DAY:

(Continued Next Page)

NEW MAE LOG LATALONG-EOD - NEW TEMPLATE 7-30-12.GDT 9/26/17 08:24 F:\GINTKCH17 FILES\PROJECTS\0124-01 006\FIRESTATION#73.GPJ

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BORING B-3

PAGE 2 OF 2

PROJECT NO. 0124-01.006

PROJECT NAME Fire Station No. 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN. (tsf)	RECOVERY % (RQD)	REMARKS
20		Very loose to loose. Gray silty fine SAND, poorly graded *(continued)*	SM											
25	8	Medium dense. Dark gray silty fine SAND, poorly graded.	SM		2 4 5	9								
30	9				4 4 6	10								
		Bottom of borehole at 30 feet.												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 0 ft 6 in END OF DAY --

NEW MAE LOG LATA.GIN EOD NEW TEMPLATE 7.30.12.GDT 9/29/17 09:34 F:\GINTNGINT FILES\PROJECTS\0124-01 009\FIRESTATION # 73.GPJ

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MAE Meskel & Associates Engineering

BORING P-1

PAGE 1 OF 1

PROJECT NO. 0124-01.006

PROJECT NAME Fire Station No. 73
PROJECT LOCATION Jacksonville, Florida
CLIENT City of Jacksonville
DATE STARTED 9/15/17 COMPLETED 9/15/17
LATITUDE 30°14'35.99"N LONGITUDE 81°57'54.97"W
DRILLING CONTRACTOR MAE, LLC
DRILLING METHOD Hand Auger
LOGGED BY C Morgan CHECKED BY W. Josh Mele
GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN. (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Very dark grayish brown fine SAND with silt, poorly graded	SP-SM											
2.5	2	Brown fine SAND with silt, poorly graded.	SP-SM											
5.0	3	Grayish brown silty fine SAND, poorly graded.	SM											
	4													
7.5	5						21	21						
		Bottom of borehole at 8 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 1 ft 6 in. END OF DAY —

NEW MAE LOG LATALONG EOD.HA NEW TEMPLATE 7-30-12.GDT 9/29/17 08:45 F:\GINTNGINT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

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BORING P-2

PAGE 1 OF 1

PROJECT NO. 0124-01.006

PROJECT NAME Fire Station No 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/15/17 COMPLETED 9/15/17

LATITUDE 30°14'34.87"N LONGITUDE 81°52'54.73"W

DRILLING CONTRACTOR MAE, LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0.0	1	Very dark gray fine SAND with silt, trace organic fines, poorly graded.	SP-SM											
2.5	2	Brown fine SAND with silt, poorly graded.	SP-SM											
5.0	3	Dark brown fine SAND with silt, poorly graded.	SP-SM											
	4	Grayish brown fine SAND with silt, poorly graded.	SP-SM											
7.5	5	Grayish brown silty fine SAND with clay, poorly graded.	SM											
		Bottom of borehole at 8 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 1 ft 5 in END OF DAY —

NEW MAE LOG LATA.ONG.GDT.HA NEW TEMPLATE 7.30.17.GDT 9/29/17 08:49 F:\SHRTNG\IT FILES\PROJECTS\0124-01.006\FIRESTATION # 73.GPJ

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BORING P-3

PAGE 1 OF 1

PROJECT NO. 0124-01.006

PROJECT NAME Fire Station No. 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/15/17 COMPLETED 9/15/17

LATITUDE 30°14'34.23"N LONGITUDE 81°52'54.33"W

DRILLING CONTRACTOR MAE, LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN. (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Very dark brown fine SAND with silt, trace organic fines, poorly graded.	SP-SM											
2.5														
	2	Very dark grayish brown fine SAND with silt, poorly graded	SP-SM											
5.0														
	3	Dark brown fine SAND with silt, poorly graded	SP-SM											
7.5	4	Brown silty fine SAND, poorly graded.	SM											
		Bottom of borehole at 8 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 3 ft 2 in END OF DAY —

R:\EW\MAE LOG LATLONG EOD-HA R:\EW TEMPLATE 7 30 12.GDT 9/26/17 08:48 F:\GINTG\IT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

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BORING P-4

PAGE 1 OF 1

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No. 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/15/17 COMPLETED 9/15/17

LATITUDE 30°14'34.23"N LONGITUDE 81°52'54.95"W

DRILLING CONTRACTOR MAE, LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN. (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Very dark grayish brown fine SAND with silt, poorly graded.	SP-SM											
2.5	2	Brown fine SAND with silt, poorly graded.	SP-SM											
5.0	3	Dark brown fine SAND with silt, poorly graded.	SP-SM											
	4	Brown fine SAND with silt, poorly graded	SP-SM											
7.5	5	Brown silty fine SAND, poorly graded.	SM											
		Bottom of borehole at 8 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 1 ft 2 in END OF DAY —

NEW MAE LOG LATALONG EOD.HA NEW TEMPLATE 7 30-12.GDT 9/29/17 09:48 F:\SHITNGHT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

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BORING A-1

PAGE 1 OF 1

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No. 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/18/17 COMPLETED 9/18/17

LATITUDE 30°14'35.84"N LONGITUDE 81°52'58.41"W

DRILLING CONTRACTOR MAE, LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN. (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1													
2.5		Grayish brown fine SAND with silt, poorly graded	SP-SM											
	2													
5.0		Grayish brown fine SAND with silt, trace clay, poorly graded	SP-SC											
	3													
		Bottom of borehole at 6 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 1 ft 3 in END OF DAY --

NEW MAE LOG LATILONG-ECO-HA NEW TEMPLATE 7-30-12.GDT 9/26/17 08:47 P:\CHRTNGHT FILES\PROJECTS\0124-01 006\FIRESTATION #73.GPJ

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MAE
Meskel & Associates Engineering

BORING A-2

PAGE 1 OF 1

PROJECT NO. 0124-01.006

PROJECT NAME: Fire Station No. 73
PROJECT LOCATION: Jacksonville, Florida
CLIENT: City of Jacksonville
DATE STARTED: 9/18/17 COMPLETED: 9/18/17
LATITUDE: 30°14'35.91"N LONGITUDE: 81°52'56.70"W
DRILLING CONTRACTOR: MAE, LLC
DRILLING METHOD: Hand Auger
LOGGED BY: C Morgan CHECKED BY: W. Josh Mele
GROUND ELEVATION: — HAMMER TYPE: —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Grayish brown fine SAND with silt, poorly graded.	SP-SM											
2.5	2	Pale brown fine SAND with silt, poorly graded.	SP-SM											
5.0	3	Grayish brown fine SAND with clay, poorly graded.	SP-SC											
		Bottom of borehole at 6 feet												

NOTES

GROUND WATER LEVELS
AT TIME OF DRILLING: 1 ft 2 in END OF DAY: —

NEW MAE LOG LAYLONG EOD HA NEW TEMPLATE 7 30-12.GDT 9/29/17 08:47 F:\GINTNGINT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

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BORING A-3

PAGE 1 OF 1

PROJECT NO. 0124-01.006

PROJECT NAME Fire Station No. 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/18/17 COMPLETED 9/18/17

LATITUDE 30°14'35.55"N LONGITUDE 81°52'55.62"W

DRILLING CONTRACTOR MAE LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN. (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Very dark grayish brown fine SAND with silt, poorly graded	SP-SM											
2.5	2	Pale brown fine SAND with silt, poorly graded	SP-SM											
5.0	3	Pale grayish brown fine SAND with silt, trace clay, poorly graded.	SP-SM											
		Bottom of borehole at 6 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 1 ft 3 in END OF DAY —

NEW MAE LOG LATALOG.EOD.HA NEW TEMPLATE 7.30.12.GDT 9/29/17 08:47 F:\KINTNGHT FR ES\PROJECTS\0124-01.006\FIRESTATION # 73.GPJ

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BORING A-4

PAGE 1 OF 1

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/18/17 COMPLETED 9/18/17

LATITUDE 30°14'34.71"N LONGITUDE 81°52'56.44"W

DRILLING CONTRACTOR MAE, LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Grayish brown fine SAND with silt, poorly graded.	SP-SM											
2.5	2													
	3	Brown fine SAND with silt poorly graded.	SP-SM											
5.0														
		Bottom of borehole at 6 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 2 ft 0 in END OF DAY —

NEW MAE LOG LATLONG EOD-HA NEW TEMPLATE 7-30-12.GDT 9/26/17 08:47 F:\GINTNGINT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

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BORING A-5

PAGE 1 OF 1

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No. 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/18/17 COMPLETED 9/18/17

LATITUDE 30°14'34.36"N LONGITUDE 81°52'55.60"W

DRILLING CONTRACTOR MAE, LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Very dark grayish brown fine SAND with silt, poorly graded.	SP-SM											
2.5	2	Brown fine SAND with silt, poorly graded.	SP-SM											
	3	Very dark brown fine SAND with silt, trace organic fines, poorly graded.	SP-SM											
5.0	4	Brown fine SAND with silt, poorly graded.	SP-SM											
		Bottom of borehole at 8 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 2 ft 5 in AT END OF DAY —

NEW MAE LOG LATLONG EOD.HA NEW TEMPLATE 7-30-12.GDT 9/26/17 08:47 F:\CLIENT\CLIENT FILES\PROJECTS\0124-01 006\FIRESTATION # 73.GPJ

Meskel & Associates Engineering, LLC
FL Certificate of Authorization No. 28142
8936 Western Way, Suite 12
Jacksonville, FL 32258
P: (904)519-6990 F: (904)519-6992

Meskel & Associates Engineering

BORING A-6

PAGE 1 OF 1

PROJECT NO. 0124-01.006

PROJECT NAME Fire Station No. 73

PROJECT LOCATION Jacksonville, Florida

CLIENT City of Jacksonville

DATE STARTED 9/18/17 COMPLETED 9/18/17

LATITUDE 30°14'36.08"N LONGITUDE 81°52'56.02"W

DRILLING CONTRACTOR MAE LLC

DRILLING METHOD Hand Auger

LOGGED BY C Morgan CHECKED BY W. Josh Mele

GROUND ELEVATION — HAMMER TYPE —

DEPTH (ft)	SAMPLE DEPTH NUMBER	MATERIAL DESCRIPTION	USCS	GRAPHIC LOG	BLOW COUNTS	N-VALUE	MOISTURE CONTENT (%)	FINES CONTENT (%)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTICITY INDEX	POCKET PEN (tsf)	RECOVERY % (RQD)	REMARKS
0.0		Topsoil (6")												
	1	Pale brown fine SAND with silt, poorly graded.	SP-SM											
2.5														
	2	Light gray fine SAND with silt, poorly graded.	SP-SM											
5.0														
	3													
		Bottom of borehole at 6 feet												

NOTES

GROUND WATER LEVELS

AT TIME OF DRILLING 1 ft 0 in END OF DAY —

NEW MAE LOG LATBLDHG ECD-HA - NEW TEMPLATE 7.30.12.GDT 9/29/17 08:47 F:\SHTDSKIT FILES\PROJECTS\0124-01 006\FIRESTATION #73.GPJ

FIELD EXPLORATION PROCEDURES

Standard Penetration Test (SPT) Borings

The Standard Penetration Test (SPT) boring(s) were performed in general accordance with the latest revision of ASTM D 1586, "Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils." The borings were advanced by rotary drilling techniques. A split-barrel sampler was inserted to the borehole bottom and driven 18 to 24 inches into the soil using a 140-pound hammer falling an average of 30 inches per hammer blow. The number of hammer blows for the final 12 inches of penetration (18" sample) or for the sum of the middle 12 inches of penetration (24" sample) is termed the "penetration resistance, blow count, or N-value." This value is an index to several in-situ geotechnical properties of the material tested, such as relative density and Young's Modulus.

After driving the sampler, it was retrieved from the borehole and representative samples of the material within the split-barrel were containerized and sealed. After completing the drilling operations, the samples for each boring were transported to the laboratory where they were examined by a geotechnical engineer to verify the field descriptions and classify the soil, and to select samples for laboratory testing.

Hand Auger Boring

The auger boring(s) were performed manually by the use of a hand-held bucket auger in general accordance with the latest revision of ASTM D 1452, "Standard Practice for Soil Exploration and Sampling by Auger Borings." Representative samples of the soils brought to the ground surface by the auger were placed in sealed containers and transported to our laboratory where they were examined by a geotechnical engineer to verify the field descriptions and classify the soil, and to select samples for laboratory testing.

KEY TO BORING LOGS – USCS

Soil Classification

Soil classification of samples obtained at the boring locations is based on the Unified Soil Classification System (USCS). Coarse grained soils have more than 50% of their dry weight retained on a #200 sieve. Their principal descriptors are: sand, cobbles and boulders. Fine grained soils have less than 50% of their dry weight retained on a #200 sieve. They are principally described as clays if they are plastic and silts if they are slightly to non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in place relative density and fine-grained soils on the basis of their consistency.

BORING LOG LEGEND

Symbol	Description
N	Standard Penetration Resistance, the number of blows required to advance a standard spoon sampler 12" when driven by a 140-lb hammer dropping 30".
WOR	Split Spoon sampler advanced under the weight of the drill rods
WOH	Split Spoon sampler advanced under the weight of the SPT hammer
50/2"	Indicates 50 hammer blows drove the split spoon 2 inches. 50 Hammer blows for less than 6-inches of split spoon driving is considered "Refusal".
(SP)	Unified Soil Classification System
-200	Fines content, % Passing No. 200 U.S. Standard Sieve
w	Natural Moisture Content (%)
OC	Organic Content (%)
LL	Liquid Limit
PI	Plasticity Index
NP	Non-Plastic
PP	Pocket Penetrometer in tons per square foot (tsf)

MODIFIERS

SECONDARY CONSTITUENTS (Sand, Silt or Clay)	
Trace	Less than 5%
With	5% to 12%
Sandy, Silty or Clayey	12% to 35%
Very Sandy, Very Silty or Very Clayey	35% to 50%

ORGANIC CONTENT	
Trace	Less than 5%
Organic Soils	5% to 20%
Highly Organic Soils (Muck)	20% to 75%
PEAT	Greater than 75%

MINOR COMPONENTS (Shell, Rock, Debris, Roots, etc.)	
Trace	Less than 5%
Few	5% to 10%
Little	15% to 25%
Some	30% to 45%

RELATIVE DENSITY (Coarse-Grained Soils)

Relative Density	N-Value *
Very Loose	Less than 3
Loose	3 to 8
Medium Dense	8 to 24
Dense	24 to 40
Very Dense	Greater than 40

CONSISTENCY (Fine-Grained Soils)

Consistency	N-Value *
Very Soft	Less than 1
Soft	1 to 3
Firm	3 to 6
Stiff	6 to 12
Very Stiff	12 to 24
Hard	Greater than 24

RELATIVE HARDNESS (Limestone)

Relative Hardness	N-Value *
Soft	Less than 50
Hard	Greater than 50

* Using Automatic Hammer

KBL-USCS-Auto

Meskel & Associates Engineering

Revised March 2017

Unified Soil Classification System (USCS)
(from ASTM D 2487)

Major Divisions			Group Symbol	Typical Names
Coarse-Grained Soils More than 50% retained on the 0.075 mm (No. 200) sieve	**Gravels** 50% or more of coarse fraction retained on the 4.75 mm (No. 4) sieve	Clean Gravels	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels and gravel-sand mixtures, little or no fines
		Gravels with Fines	GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
	Sands 50% or more of coarse fraction passes the 4.75 (No. 4) sieve	Clean Sands	SW	Well-graded sands and gravelly sands, little or no fines
			SP	Poorly graded sands and gravelly sands, little or no fines
		Sands with Fines	SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
Fine-Grained Soils More than 50% passes the 0.075 mm (No. 200) sieve	**Silts and Clays** Liquid Limit 50% or less		ML	Inorganic silts, very fine sands, rock four, silty or clayey fine sands
			CL	Inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays
			OL	Organic silts and organic silty clays of low plasticity
	Silts and Clays Liquid Limit greater than 50%		MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts
			CH	Inorganic clays or high plasticity, fat clays
			OH	Organic clays of medium to high plasticity
Highly Organic Soils			PT	Peat, muck, and other highly organic soils

Prefix: G = Gravel, S = Sand, M = Silt, C = Clay, O = Organic
Suffix: W = Well Graded, P = Poorly Graded, M = Silty, L = Clay, LL < 50%, H = Clay, LL > 50%

MAE
Meskal & Associates Engineering

Appendix B

Meskel & Associates Engineering, LLC
FL Certificate of Authorization No 28142
8936 Western Way, Suite 12
Jacksonville, FL 32256
P: (904)519-6990 F: (904)519-6992

Meskel & Associates Engineering

SUMMARY OF LABORATORY TEST RESULTS

PROJECT NO. 0124-01 006

PROJECT NAME Fire Station No 73

DATE. 9/27/2017

PROJECT LOCATION Jacksonville, Florida

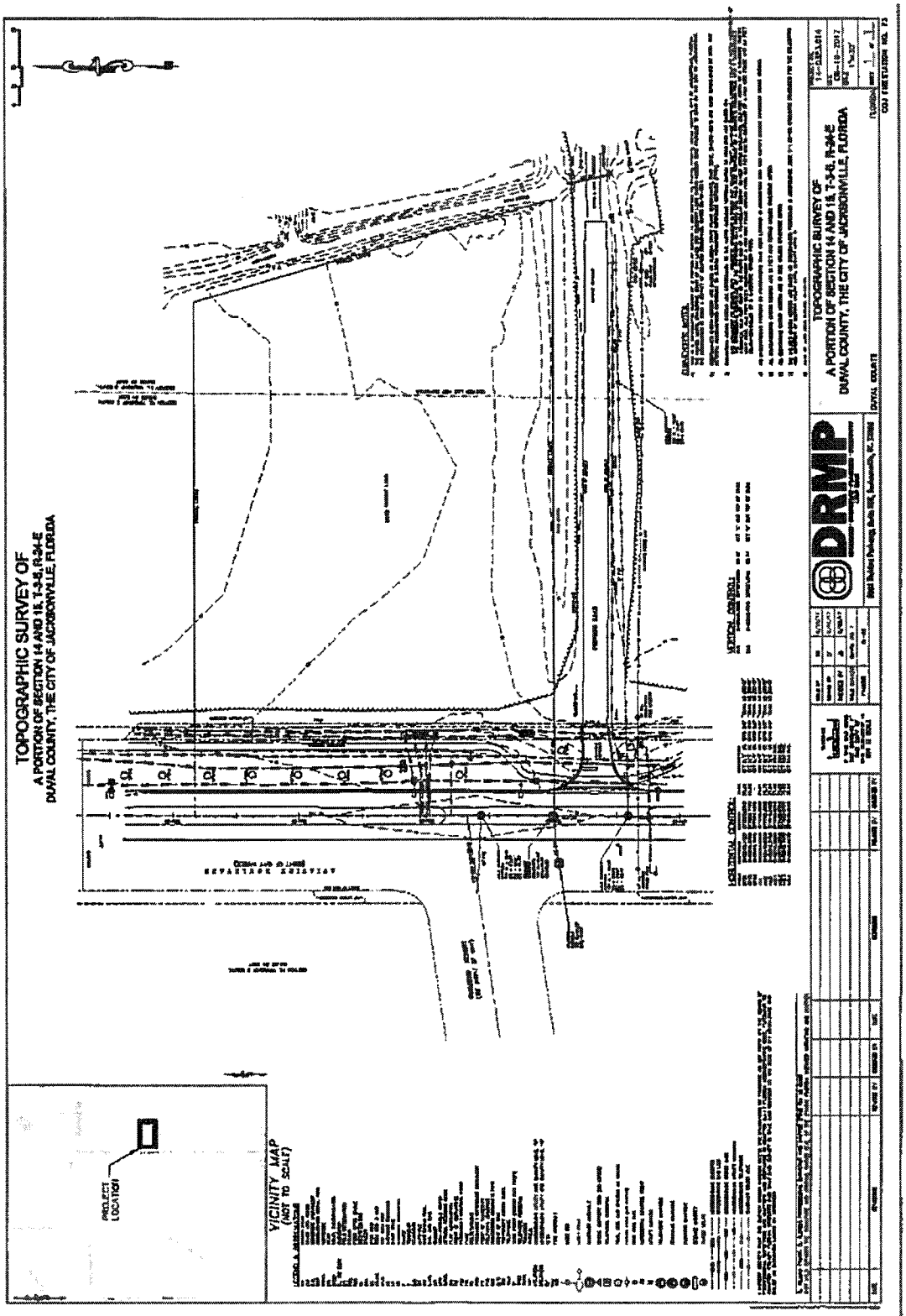
CLIENT City of Jacksonville

Borehole	Sample No	Approx. Depth (ft)	%<#200 Sieve	Water Content (%)	Organic Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	USCS Classification	Comments
B-1	6	15	23	29	---	---	---	---	SM	
B-3	3	5	25	19	1.5	---	---	---	SC	
P-2	5	7	21	21	---	---	---	---	SM	

Note. "---" Untested Parameter

LAB SUMMARY MAE ALL PROJECTS GINT STD US LAB.GDT 9/28/17 14:04 F:\SHINGHT FILES\PROJECTS\0124-01 006\LAB FIRESTATION # 73.GPJ

Topographical and Boundary Survey (EXHIBIT "M')



Williams, Maria

From:	Williams, Maria
Sent:	Tuesday, January 09, 2018 5:01 PM
To:	'Bill Faust (CFaust@drmp.com)'
Cc:	Kent, Duane; larryap18@gmail.com
Subject:	RE: Fire Station No. 73 - Survey
Attachments:	COJ.PDF

Bill,

Per our phone conversation, could you please take a look at the proposed property lines and let us know the boundary survey schedule including additional elevations. Also, we'd like existing elevations at the north side proposed improvements and 10' north into the wetland.

Thanks for all your help.

Maria

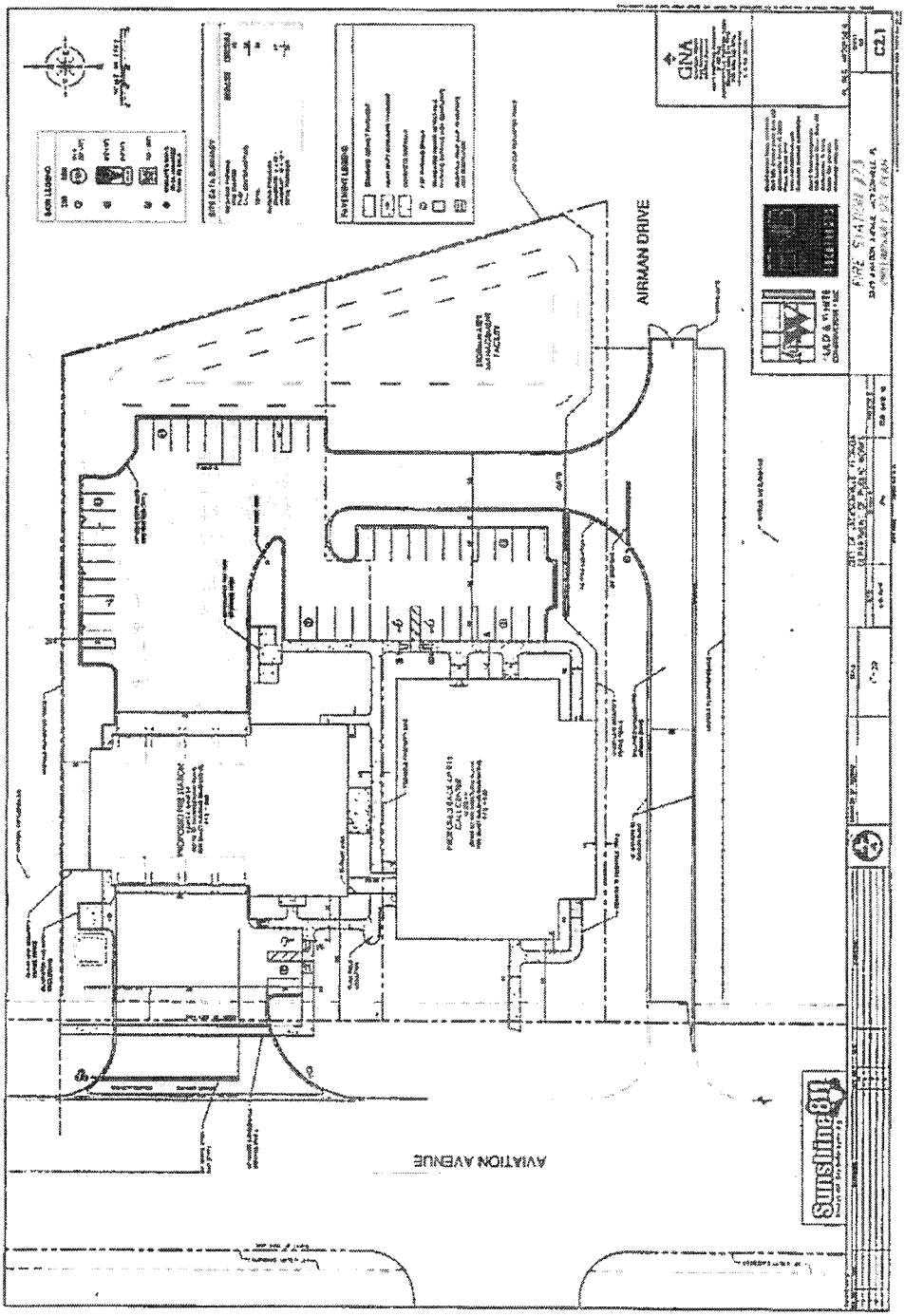
Maria C. Williams, P.E.
City of Jacksonville I Department of Public Works
214 N. Hogan Street – 10th Floor
Jacksonville, FL 32202
Office Phone: (904) 255-8789
www.coj.net

ONE CITY. ONE JACKSONVILLE.

Please note that under Florida's very broad public records law, communications to and from City of Jacksonville officials are subject to public disclosure

-----Original Message-----
From: Williams, Maria
Sent: Thursday, September 21, 2017 9:15 AM
To: Bill Faust (CFaust@drmp.com)
Subject: FW: Fire Station No. 73 - Survey

Thank you Bill. Could you please wait for us to draw the Fire Station in your plans, before you send us the description. Thanks, Maria


AVIATION AVENUE
AIRMAN DRIVE
Sunshine 811
C2.1

Florida Sustainability Building Program (EXHIBIT "N")

- **Sec. 327.101. - Intent.**

It is the intent of the Council in creating this Sustainable Building program to demonstrate a substantial commitment on the part of the City to finance, plan, design, construct, manage, renovate, commission, maintain and deconstruct County Buildings with sustainable building standards and to support development of privately owned buildings in Jacksonville to sustainable standards. The purpose of this program is to provide the City with a certification-based "sustainable building" program to promote sustainable and environmentally friendly practices of design, construction, commissioning, maintenance and retirement for buildings. It also the intent of Council to comply with F.S. § 255.2575.

(Ord. 2009-211-E, § 1)

- **Sec. 327.102. - Applicability.**

(a)
All new buildings owned by the City, including its independent agencies or authorities, will follow the requirements of this Chapter. All new City-owned buildings shall, at a minimum, obtain approved sustainable building certification for any buildings in the project.

(b)
All modifications to existing City-owned buildings where the total renovation include more than 50 percent of the total building square footage shall follow the requirements of this Chapter.

(c)
For all other construction projects, including all private construction projects, compliance with this Chapter is voluntary.

(Ord. 2009-211-E, § 1)

- **Sec. 327.103. - Definitions.**

For purposes of this Chapter, the following terms, words and phrases shall have the following meanings:

Alternative sustainable building certification system means a system adopted by the Environmental Protection Board for establishing sustainable building certification standards in addition to, and as an alternative to, LEED certification, GBI's Green Globes rating system, or FGBC green building standards.

Department means the Neighborhoods Department.

FGBC means the Florida Green Building Coalition.

FSEC means Florida Solar Energy Center, a unit of the University of Central Florida.

GBI's Green Globes mean the Green Building Initiative's Green Globes rating system.

LEED means the Leadership in Energy and Environmental Design Rating System of the U.S. Green Building Council.

Sustainable building means generally the resource efficient design, construction, and operation of buildings by employing environmentally sensible construction practices, systems, and materials. Sustainable building also means an office, residential or civic structure which has obtained sustainable building certification.

Sustainable building certification means the final designation awarded to a program participant for a particular project for satisfying all requirements associated with LEED certification, GBI's Green Globes rating system, FGBC's standards, or other certification systems approved by the Environmental Protection Board.

Third party rater means an independent third party certified by the USGBC, FGBC, GBI or an alternative sustainable building certification system as a sustainable building rater qualified to verify that the building project has satisfied all of the requirements associated with the standards applicable to a particular project.

USGBC means the U.S. Green Building Council.

(Ord. 2009-211-E, § 1; Ord. 2011-732-E; Ord. 2013-209-E, § 40; Ord. 2016-140-E , § 16)

- **Sec. 327.104. - Administration.**

(a) The Public Works Department is responsible to ensure compliance with applicable requirements of this Chapter in the construction of new City-owned buildings. The Public Works Department in consultation with the Department is also responsible for reviewing, assessing and making determinations concerning existing City owned buildings being considered for participation in the Sustainable Building Program and, in the event such buildings are so included, for ensuring compliance with the requirements of this Chapter.

(b) The Environmental Protection Board may, through its rule-making process, adopt alternative sustainable building certification systems.

(c) The Department shall coordinate at least one training workshop per year for the purpose of educating City staff and current and potential participants in the Jacksonville Sustainable Building Program on the program and its benefits and requirements. The Environmental Protection Fund may be utilized as a source for such training, subject to appropriation by the Council, notwithstanding the limitations of Sections 111.755 and 360.602.

(d) The Planning and Development Department shall provide fast track development review pursuant to Section 327.106(a). The Planning and Development Department Director may, upon a showing of just cause by the aggrieved party, reconsider the administrative decision to deny persons or entities access to future fast track development review pursuant to Section 327.106(a).

(e) The Sustainable Building Program shall be administered on either a per-unit or per-development basis, as specified at the time of permitting. "Per-unit" means each unit built, except that any multi-family dwelling or similarly clustered structure may count as one unit. "Per-development" means each Planned Use Development, subdivision, or business park.
(Ord. 2009-211-E, § 1)

- **Sec. 327.105. - Standards.**

Published LEED standards of the USGBC, FGBC green building standards, GBI's Green Globes rating system, or standards of an alternative sustainable building certification system shall be used to measure compliance of buildings participating in the Sustainable Building Program.

(Ord. 2009-211-E, § 1)

Sec. 327.106. - Incentives.

The incentives contained in this Section are intended to encourage the construction of sustainable buildings. For any program participant seeking sustainable building certification for new residential or commercial construction, residential or commercial retrofitting/remodeling or new City-owned buildings, the following incentives shall be made available:

(a) *Fast track development review:*

(1) Development services, including preliminary site plan review (including 10-set review), submitted or resubmitted for review, for Sustainable Building Program projects shall be given priority over projects which are not Sustainable Building projects by all City departments reviewing such applications.

(2) Applications for administrative deviations pursuant to Section 656.109, when submitted to facilitate sustainable building certification, shall be given priority over other applications which are not Sustainable Building Program projects, to the extent possible consistent with the time requirements of Section 656.109.

(3) Applications for plat approval pursuant to Chapter 654 shall be given priority over other applications provided the developer records on the public records of Duval County covenants or other restrictions sufficient to require that all homes in the subdivision will be constructed so as to qualify for sustainable building certification.

(4) Requests for relief from the requirements of Section 656.607(i), when submitted to facilitate sustainable building certification, shall be liberally construed to promote such certification.

(5) Applicants who obtain priority status pursuant to this Section shall provide proof of sustainable building certification to the Department within 180 days of construction completion, as defined by Certificate of Occupancy issue date. Application forms for sustainable building certification and agreements with property owners or developers seeking priority status may provide that property owners or developers who obtain priority status but fail to obtain sustainable building certification may be denied future priority status by the Director of the Planning and Development Department.

(b) *Designation:* The Department shall coordinate a program of recognition, on the internet or through other additional means, identifying permitted construction as a sustainable building project with benefits to the community and the environment.

(c) *Refund of certification expenses:* Subject to, and within the limits of, funds appropriated by the Council for the purposes set forth in this subsection, owners or developers of Sustainable Building Program projects may receive a refund of the actual costs of sustainable building certification pursuant to the Sustainable Building Certification Refund Grant Program administered through the Environmental Protection Board.

(Ord. 2009-211-E, § 1)

Laidler, Marilyn

From: Brackin, Ann
Sent: Monday, February 26, 2018 8:34 AM
To: Nunziato, Christine
Cc: Laidler, Marilyn
Subject: CDB-0007-16 911 Backup Call Center 60% Design Amend 5A

Chrissy, the bid number on the memo – CDB-0007-16 – is the correct one.

Thanks, Ann

SUBJECT: **RFQ FOR D/B SVCS OF VERTICAL/ARCHITECTURAL PROJECTS**

BID # **CDB-0007-16**

OPEN DATE: **10/21/2015**

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: **DEPARTMENT OF PUBLIC WORKS**

BASIS OF AWARD: **EVALUATION CRITERIA**

NUMBER OF BIDS INVITED: 4 NUMBER RECEIVED: 9 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Subsequently, presentations were conducted and evaluated on February 4, 2016; 02/11/16 Auld & White Constructors, LLC was awarded as highest ranking firm with funding not-to-exceed $6,000,000.00 annually for a period of service for five (5) years.

Recommend approval of award to include the rate sheets as part of Exhibit A, as they were omitted from original award. No additional changes are needed.

Attachments: Recommendation Memo, Previous Award (s)

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: **Thomas N. Fallin, P.E., Chief, Engineering & Construction Management Division**

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

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 6-16-16

Teresa R. Eichau

James R. McCarty

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 6/16/16

MK APPROVED ✓ DISAPPROVED: _____

OTHER: _____

Sam E. Mousa
Chief Administrative Officer
[illegible] Curry
[illegible] 2015-05

SIGNATURE OF AUTHENTICATION Sam E. Mousa

SUBJECT: RFQ FOR D/B SVCS OF VERTICAL/ARCHITECTURAL PROJECTS

BID # CDB-0007-16

OPEN DATE: 10/21/2015

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: DEPARTMENT OF PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 4 NUMBER RECEIVED: 9 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Subsequently, presentations were conducted and evaluated on February 4, 2016. Based upon the combination of proposal and presentation evaluations, scores and rankings are as follows (Listed in alphabetical order):

1) Auld & White Constructors, LLC (Score 116)
3) Saur, Inc. (Score 115)
2) Stellar Group, Inc. (Score 115.5)

Recommend approval of award to Auld & White Constructors, LLC, as receiving the highest score in accordance with the evaluation and ranking above. Period of Service will be five (5) years from effective date of contract with funding not-to-exceed $6,000,000.00 annually. To be executed by formal contract through Office of General Counsel.

Attachments: Recommendation Memo, Scoring Matrix, Previous Award

BUYER _____
For - MARILYN LAIDLER

RESPECTFULLY SUBMITTED _____
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: Thomas N. Fallin, P.E., Acting Chief-Engineering & Construction Management Division

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

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 2/11/16

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 2/11/16

APPROVED ✓ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

SUBJECT: RFQ- FOR DESIGN-BUILD SERVICES OF VERTICAL/ARCHITECTURAL PROJECTS

BID # CDB-0007-16

OPEN DATE: 10/21/2015

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: DEPARTMENT OF PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 4 NUMBER RECEIVED: 9 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Based upon the proposal evaluation, the average scores and rankings are as follows and two with tie scores (Listed in alphabetical order):

1) Auld & White Constructors, LLC (Score 87.5)
1) Sauer, Inc. (Score 87.5)
3) Stellar Group, Inc. (Score 86.5)

Pursuant to Section 2.6 – Award of Contract of the RFP, recommend approval to conduct formal interviews with each of the three-top ranked Firms.

Attachments: Recommendation Memo, Scoring Matrix, Bid Tabulation, Section 2.6, JSEB Letter

BUYER _____
for MARILYN LAIDLER

RESPECTFULLY SUBMITTED _____
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: William J. Joyce, P.E., Chief-Engineering & Construction Management

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)

ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 1-14-16

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 1/14/16

APPROVED ✓ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

Sam E. Morsa
Chief Administrative Officer
For Mayor Henry Guzy
Under Authority of
Executive Order No. 2015-

```
  QWS3270X   2/23/2018  2:33 PM
FAML6350 V5.1              **    NW COJ FAMIS PRODUCTION      **     02/23/2018
LINK TO:                       ACCOUNT SUMMARY INQUIRY                   2:32 PM

FISCAL MO/YEAR  : 05 2018                                CURRENCY CODE :
INDEX CODE      : FRCP32EFS     FIRE STATIONS CAPITAL PROJECTS
SUBOBJECT       : 069505        DM-OTHER CONSTRUCTION COSTS
PROJECT         : PW0837        COMBINED 911 COMM CENTER FACILITY & BACK
PROJECT DETAIL  : 01            COMBINED 911 COMM CENTER FACILITY & BACK
GRANT           :
GRANT DETAIL    :
USER CODE       :
-------------------------------------------------------------------------------
S                                 FEB  2018    ANNUAL BALANCE ALL YEARS BALANCE
  ESTIMATED REVENUES                    .00               .00               .00
  REVENUES                              .00               .00               .00
    UNREALIZED REVENUES                 .00               .00               .00
  BUDGET                                .00     12,000,000.00     12,000,000.00
  EXPENDITURES                   316,227.00        318,273.47        318,273.47
  ENCUMBRANCES                  -309,079.14        323,373.86        323,373.86
  PRE-ENCUMBRANCES                      .00               .00               .00
    REMAINING BALANCE             -7,147.86     11,358,352.67     11,358,352.67
F1-HELP      F2-SELECT                 F4-PRIOR     F5-NEXT
                         F9-LINK       F10-PRIOR-MO F11-NEXT-MO
G005 - PRIOR RECORD DISPLAYED
```