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 Fire Station No. 73 Project was awarded to Auld & White Constructors, LLC, on 10/19/17 in the amount of $163,264.00.

Recommend approval of Change Order #1 to Auld & White Constructors, LLC, for the increase amount of $3,300,000.00 for 100% design, permits and construction of Fire Station No. 73, per "Exhibit D-2", the 100% design work is to be completed 61 days from the notice to proceed and construction is to be completed 240 day from the site clearing permit approval. Revised guaranteed maximum price will be $3,463,264.00.

Funding for this project to be executed by Amendment 2B for contract # 9182-03 and encumbered by account(s):
FRCP32EFS-069505-FR0051-01- $1,668,487.00; FRCP32EFS-06505-FR0051-01- $1,631,513.00

Attachments: Recommendation Memo, Exhibit "D-2", Previous Award(s)

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED Frisson C Nunzato
for GREGORY REASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: **Tom 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_____ MEMBERS DISAPPROVING_____ DATE:_____

_____ _____ OTHER_____

_____ _____

_____ _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED_____ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

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

ONE CITY. ONE JACKSONVILLE.

April 24, 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 – Fire Station No. 73 – AMENDMENT 2B

In accordance with Design/Build CDB-0007-16, Contract 9182-03, the subject project was awarded by Amendment 2A in the amount of $163,264.00 to provide 60% design of Fire Station #73. Based on the 60% design, the Department of Public Works, has completed negotiations for the completion of 100% design, permits and construction of the Fire Station, as indicated on the attached scope & fee summary, Exhibit D-2. The 100% design work is to be completed 61 days from the notice to proceed and construction is to be completed 240 days from the site clearing permit approval.

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 D-2 for Fire Station #73 to increase the maximum GMP by $3,300,000.00 to a new GMP of $3,463,264.00, known as Amendment 2B.

Total funding for this project should be encumbered by contract as follows:

ACCOUNT NO.	ENCUMBERED AMOUNT
FRCP32EFS-FR0051-01-069505	$1,668,487.00
FRCP32EFS-FR0051-01-06505	$1,631,513.00
TOTAL:	$3,300,000.00

TF/lw

cc: Maria C. Williams, P.E., Project Manager
April C. Mitchell, Chief Administration and Finance
Lori West, Engineering Contract Specialist

Attachments

ab

EXHIBIT D-2

PROPOSAL LETTER

April 20, 2018

Re: Fire Station No. 73

Ms. Maria Williams
City of Jacksonville
214 North Hogan Street, Ed Ball Building, 10th Floor
Jacksonville, Florida 32202

Dear Ms. Williams:

Auld & White Constructors, LLC (AWC) is pleased to submit our proposal for 100% Design and Construction Services for Fire Station No. 73.

The project consists of a four-bay fire station with living quarters designed to meet all local and state code outlined by the City of Jacksonville's RFQ-CDB-008-16. Scope includes an extractor building, generator building, dumpster enclosure, site work, fencing and landscaping.

We shall provide Construction Services for Fire Station No. 73 in accordance with the following:

1. 60% Drawings and Specifications by Ebert Norman Brady Architects dated February 16, 2018.
2. Civil Addendum 1 (Revised Drawings) dated March 21, 2018.
3. Schedule of Values dated April 20, 2018.

The **Guaranteed Maximum Price (GMP)** for the above work is $3,300,000.

Thank you for this opportunity to provide Design-Build Services to the City of Jacksonville. If you have any further questions, please do not hesitate to contact me at (904) 296-2555.

Sincerely,

Jared A. Vincent
Estimator

JAV/tjh

SCHEDULE OF VALUES
FIRE STATION NO. 73
April 20, 2018

ITEM	ITEM DESCRIPTION	
1	CONSTRUCTION PHASE FEE	189,900
2	GENERAL REQUIREMENTS	119,600
3	FLORIDA GREEN BUILDING COALITION	12,600
4	SITE WORK	600,200
5	FENCING & GATES	58,100
6	LANDSCAPE & IRRIGATION	44,400
7	CONCRETE: FDN, SLAB ON GRADE & STRUCTURAL	564,900
8	STRUCTURAL STEEL & MISC. METAL	135,300
9	ROUGH CARPENTRY	18,500
10	MILLWORK	81,400
11	ROOFING	105,700
12	SEALANTS / CAULKING	11,400
13	OVERHEAD SECTIONAL DOORS	47,900
14	DOORS & HARDWARE	66,600
15	STOREFRONT	29,700
16	DRYWALL & ACOUSTICAL CEILING	107,600
17	CERAMIC TILE & RESILIENT FLOORING	23,000
18	POLISHED FLOORING	29,100
19	PAINTING	31,300
20	BUILDING SPECIALTIES	56,700
21	WINDOW TREATMENTS	1,500
22	ENTRANCE & PATIO CANOPIES	21,800
23	DIESEL EXHAUST SYSTEM & ELEC. COMPONENTS	42,000
24	PLUMBING	69,100
25	FIRE PROTECTION	22,200
26	MECHANICAL	148,500
27	ELECTRICAL	231,300
28	GENERATOR	71,700
29	LIGHTING PROTECTION	18,700
30	LOW VOLTAGE / FIRE ALARM	65,900
	SUB TOTALS #1	**3,026,600**
	AULD & WHITE FEE	229,000
	SUB TOTALS #2	**3,255,600**
	BUILDERS RISK & GEN. LIABILITY INSURANCE	55,400
	BALANCE OF DESIGN FEES & CONST. ADMIN.	111,700
	STANDARD COMMISSIONING	6,600
	PERFORMANCE & PAYMENT BOND	25,100
	BUILDING & CIVIL PERMIT FEES	5,600
	TOTAL ESTIMATED CONSTRUCTION COST	**3,460,000**
	VALUE OF 911 CALL CENTER SITEWORK W/ FS No. 73	**(160,000)**
	TOTAL ESTIMATED CONSTRUCTION COST W/ POTENTIAL SAVINGS	**3,300,000**

PROPOSAL CLARIFICATIONS
FIRE STATION NO. 73
APRIL 20, 2018

Included Items

1. Architectural & Civil Design fees for 100% construction documents.
2. Payment and Performance Bond.
3. City of Jacksonville Building Permit Fees.
4. Pollution Insurance.
5. Florida Green Building Coalition Certification fees, Design fees, Construction Admin & Construction Premium.
6. Seven percent (7%) sales tax.
7. Builder's Risk Insurance. Owner is responsible for wind and flood damage deductible which is one percent (1%) of contract value or $25,000, whichever is greater.
8. We anticipate an 240-day, on-site construction duration.
9. Construction duration quoted for substantial completion. Commencement to be 10 days following issuance of Notice to Proceed and all governmental permits.
10. Dewatering, if any, to be accomplished by pumping and/or over-excavation of the footing and backfilling with gravel.
11. Window treatments.
12. Lightning Protection System at main building and generator.
13. 3 Point Diesel Exhaust System with Siding Balancer Track – See allowance.
14. Relocation and utilization of the City of Jacksonville's fill dirt located on Lake Newman Street. Pricing based on adequate soil material being present at Lake Newman Street location.
15. Acoustical Ceiling in the Apparatus Bay.
16. Landscape per code minimum requirements. Sizes/material type may differ from Landscape & Irrigation drawings.
17. 8' tall wood lockers.
18. Stainless steel millwork base cabinets in Kitchen with side & back panels.
19. Non-insulated overhead doors.
20. One 1,500-gallon grease trap.

PROPOSAL CLARIFICATIONS
FIRE STATION NO. 73
APRIL 20, 2018

Included Items (cont'd)

21. Impact rated storefront.

22. 30-year Manufacturer's Roof Warranty and 2-year Installer's Warranty.

23. The included sitework price is based on the 911 Call Center's sitework being performed concurrently with Fire Station No. 73.

24. This proposal is based on $160,000 of the $600,200 sitework package for Fire Station No. 73 being allocated to the 911 Call Center for the shared components/access as shown on the Schedule of Values. If the 911 Call Center project is not approved under Auld & White Constructors' Design-Build Contract, the $160,000 will be added to the Fire Station No. 73's Design-Build Contract.

Excluded Items

1. Removal, replacement or handling of any unusable or hazardous materials.

2. Impact fees, pollution charges, concurrency fees, tree mitigation, meter or utility company fees, if any.

3. Electrical power usage for construction testing once meter is set.

4. Owner furnishings: residential appliances, tables, chairs, erase boards, television brackets, televisions, etc.

5. Security System.

6. Card readers and Access Control System.

7. Project contingency.

8. Ribbed panels at tilt walls.

9. Liquid propane tank and gas piping.

10. Ansul fire protection system at kitchen hood.

11. Gate operator at end of Airman Drive. Electrical sleeves only included for future.

12. Roof ladder and roof access hatch

Allowances – Amounts Included in the Base Bid

1. Three-point diesel exhaust system with sliding balancer track & electrical components.	$ 42,000

DRAWING LIST
FIRE STATION NO. 73
APRIL 20, 2018

Sheet	Description	Date
COVER		
Cover	General Project Information	02/16/2018
G0.2	Index of Drawings	02/16/2018
G0.3	Abbreviations Directory & Gen Notes	02/15/2018
LIFE SAFETY		
LS1.1	Building & Life Safety Code Analysis	02/14/2018
LS2.1	Life Safety Plan	02/14/2018
CIVIL		
C1.0	General Notes	03/21/2018
C1.1	General Notes	03/21/2018
C2.0	Existing Conditions and Demolition Plan	03/21/2018
C2.1	Geometry Plan	03/21/2018
C2.2	Paving, Grading and Drainage Plan	03/21/2018
C2.3	Utility Plan	03/21/2018
C3.0	Construction Details	03/21/2018
C3.1	Construction Details	03/21/2018
C3.2	Construction Details	03/21/2018
C3.3	Construction Details	03/21/2018
C3.4	Construction Details	03/21/2018
C3.5	Maintenance of Traffic Plan	03/21/2018
C4.0	Stormwater Pollution Prevention Plan	03/21/2018
C4.1	Erosion Control Details	03/21/2018
C4.2	Erosion Control Details	03/21/2018
C4.3	NPDES Detail Sheet #1	03/21/2018
C4.4	NPDES Detail Sheet #2	03/21/2018
LANDSCAPE		
L1.3	Landscape Plan	02/15/2018
L2.3	Landscape Details	02/14/2018
L3.3	Landscape Details	02/14/2018
IRRIGATION		
IR1.2	Irrigation Plan	02/15/2018
IR2.2	Irrigation Details	02/15/2018
ARCHITECTURAL		
A0.1	Legend	02/16/2018
A1.1	Storage/Extractor Building	02/15/2018
A1.2	Dumpster Enclosure	02/16/2018
A2.1	Floor Plan	02/15/2018
A2.3	Reflected Ceiling Plan	02/15/2018
A2.4	Furniture Plan	02/16/2018
A2.5	Roof Plan	02/15/2018
A3.1	Exterior Elevations	02/16/2018
A3.2	Exterior Elevations	02/15/2018
A3.3	Exterior Elevations Add Alternate #1	02/15/2018

DRAWING LIST
FIRE STATION NO. 73
APRIL 20, 2018

Sheet	Description	Date
ARCHITECTURAL (cont'd)		
A3.4	Exterior Elevations Add Alternate #1	02/15/2018
A4.1	Building Sections	02/16/2018
A4.2	Building Section	02/16/2018
A4.3	Wall Sections	02/16/2018
A4.4	Wall Sections	02/16/2018
A4.5	Partition Schedule & General Notes	01/29/2018
A4.6	Partition Details	01/23/2018
A4.7	Partition Details	01/23/2018
A5.1	Toilet & Bath Accessories Schedule	01/29/2018
A5.2	Enlarged Plans	02/15/2018
A6.1	Interior Elevations	03/19/2018
A6.2	Interior Elevations	03/19/2018
A6.3	Interior Elevations	03/19/2018
A6.4	Interior Elevations	03/19/2018
A6.5	Interior Elevations	03/19/2018
A6.6	Interior Elevations	02/16/2018
A6.7	Interior Elevations	02/16/2018
A8.1	Door & Frame Schedule	02/16/2018
A8.3	Storefront & Window Details	02/16/2018
A9.1	Room Finish Schedule	02/15/2018
A9.2	Finish Legend	02/15/2018
A9.3	Accent Wall Plan	02/15/2018
A10.1	Signage Plan Schedules & Notes	02/16/2018
A10.2	Signage Details	02/15/2018
STRUCTURAL		
S0.0	Legends and Schedules	02/15/2018
S0.1	General Notes	02/15/2018
S0.2	General Notes	02/15/2018
S1.1	Foundation Plan	02/15/2018
S1.2	Slab Plan	02/15/2018
S1.3	Roof Framing Plan	02/15/2018
S1.4	Storage/Extractor Building Plans	02/15/2018
S2.1	Sections	02/15/2018
S2.2	Sections	02/15/2018
S4.1	Tilt-Up Panel Elevations	02/15/2018
S4.2	Tilt-Up Panel Elevations	02/15/2018
S4.3	Tilt-Up Panel Elevations	02/15/2018
S4.4	Tilt-Up Panel Elevations	02/15/2018
S4.5	Tilt-Up Panel Reinforcing	02/15/2018
S4.6	Tilt-Up Panel Typ. Details and Reinf.	02/15/2018
S5.1	Typical Details	02/15/2018

DRAWING LIST
FIRE STATION NO. 73
APRIL 20, 2018

Sheet	Description	Date
MECHANICAL		
M1.1	Mechanical Legend	02/16/2018
M1.2	Mechanical Project General Notes	02/16/2018
M2.1	Mechanical Schedules	02/16/2018
M2.2	Mechanical Schedules	02/16/2018
M3.1	Mechanical Plan	02/16/2018
M3.2	Mechanical Roof Plan	02/16/2018
M5.1	Mechanical Details	02/16/2018
M5.2	Mechanical Details	02/16/2018
PLUMBING		
P1.1	Plumbing Legend and General Notes	02/16/2018
P2.1	Plumbing Schedules	02/16/2018
P2.2	Plumbing Schedules	02/16/2018
P3.1	Plumbing Sanitary Plan	02/16/2018
P4.1	Plumbing Water Plan	02/16/2018
P5.1	Plumbing Details	02/16/2018
P5.2	Plumbing Details	02/16/2018
ELECTRICAL		
E0.1	Electrical Legends & Notes	02/15/2018
E0.2	Electrical Lighting Fixture Schedule	02/15/2018
E1.0	Electrical Site Plan	02/15/2018
E1.1	Electrical Lighting Plan	02/15/2018
E1.2	Electrical Roof Plan	02/15/2018
E1.3	Electrical Roof Plan Notes & Details	02/15/2018
E2.1	Electrical Power Plan	02/15/2018
E3.1	Electrical Fire Alarm Plan	02/15/2018
E3.2	Electrical Fire Alarm Details & Notes	02/15/2018
E4.1	Electrical Details	02/15/2018
E4.2	Electrical Details	02/15/2018
E4.3	Electrical Generator Details	02/15/2018
E5.1	Electrical Riser Diagram	02/15/2018
E5.2	Communications Riser Diagram	02/15/2018
TELECOMMUNICATIONS		
ET1.0	Telecommunications Notes & Legend	02/15/2018
ET1.1	Telecommunications Plan	02/15/2018
ET1.2	Telecommunications Details	02/15/2018
FIRE PROTECTION		
FP0.1	Sprinkler System Engineering Criteria	02/16/2018
FP0.2	Hazard Classification Plan	02/16/2018

ADDENDUM NO. 1
PROJECT NAME: FIRE STATION NO. 73
March 21, 2018

Addendum No. 1 includes the following:

See attached updated civil drawings - drawing changes are not clouded; however, they are in response to RFIs and COJ comments. Some of the changes include lowering the building pad by 1', grades (specifically slopes at North property line), deletion of mitered end ST-17, replacement in lieu of milling along Airman Drive, sanitary service route/size, existing water main service sizes, truck fill station is indicated as a fire hydrant and storm drain piping sizes. There may be other changes as well.

PAVING DRAINAGE & CONSTRUCTION NOTES:

1. COMPACTION DENSITIES FOR ALL ROADWAY CROSSINGS ARE TO BE TAKEN IN ONE FOOT (1') LIFTS.
2. IF UNSUITABLE MATERIAL IS FOUND WITHIN THE LIMITS OF THE ROAD OR IF MATERIAL IS HAULED IN FOR ROADWAY FILL AT A DEPTH GREATER THAN ONE FOOT (1') THEN THE ENTIRE ROADWAY SHALL BE UNDERDRAINED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND INSTALLED PER THE APPROVED COUNTY/CITY DETAIL.
3. ALL STORM SEWER PIPES SHALL BE CUT FLUSH WITH THE INTERIOR WALL OF ANY TYPE MANHOLE OR CURB AND DITCH BOTTOM INLETS.
4. COMPACTION DENSITY TESTS FOR ALL WATER AND SEWER CROSSINGS WILL START THREE FEET (3') ABOVE THE PIPE.
5. COMPACTION DENSITY TEST FOR ALL STORM SEWER PIPE SHALL START AT THE SPRING LINE OF THE PIPE.
6. IF THE APPROVED DESIGN REQUIRES THE INLET OR STORM RUN BE SURCHARGED, ALL INLETS SHALL BE INSPECTED BEFORE BEING EXPOSED TO THE SYSTEM.
7. TEST CYLINDERS SHALL BE RUN FOR ALL CONCRETE STRUCTURES. THERE WILL BE THREE (3) TESTS PER EACH DAY POUR WITH A ONE (1) SEVEN (7) DAY BREAK AND TWO (2) TWENTY EIGHT (28) DAYS BREAKS.
8. THE ASPHALT SHALL BE CORED FOR THICKNESS AND WILL BE GIVEN A ONE QUARTER INCH (1/4") TOLERANCE. IF HOWEVER THE COUNTY/COUNTY REPRESENTATIVE IS PRESENT AT POUR AND FEELS COMFORTABLE WITH THE REQUIREMENTS THEN HE OR SHE MAY WAIVE THIS POLICY FOR OFFSITE PAVEMENT ONLY.
9. LIMEROCK BEARING RATIOS FOR SUBGRADE AT FORTY (40) AND LIMEROCK OR ALTERNATIVE BASE COURSE AT ONE HUNDRED (100). THERE WILL BE NO UNDER TOLERANCE.
10. ALL MATERIAL USED FOR BACKFILL SHALL BE A FREE DRAINING SAND.
11. THERE ARE TO BE NO OPENED TRENCHES AT DAY'S END.
12. ALL DIRT AND DEBRIS TRACKED OUT OF THE PROJECT SHALL BE CLEANED DAILY AND TO THE DISCRETION OF THE COUNTY/CITY ENGINEERING DEPARTMENT.
13. ANY EROSION PROBLEMS ENCOUNTERED DURING OR AFTER CONSTRUCTION WHICH IS DUE TO LACK OF COMPACTION OR LACK OF ESTABLISHING A PERMANENT GRASS COVER BY THE CONTRACTOR, SHALL BE CORRECTED AND THE MATERIAL REPLACED IN A TIMELY MANNER AT THE CONTRACTORS EXPENSE. ANY SUCH EROSION WHICH DETRIMENTALLY EFFECTS THE WETLANDS OR PROTECTED UPLANDS SHALL BE DEALT WITH AND CORRECTED AT THE CONTRACTORS EXPENSE IN A TIMELY MANNER.
14. ALL PERFORATED DRAINAGE PIPES SHALL BE WRAPPED IN FILTER FABRIC.
15. SLOPES GREATER THAN OR EQUAL TO 4:1 SHALL BE SODDED AND IRRIGATED UNTIL A PERMANENT STRAND OF GRASS IS ESTABLISHED. SOD JOINTS SHALL BE STAGGERED.
16. THE CONTRACTOR SHALL OBTAIN ALL THE PERMITS NECESSARY TO COMPLETE CONSTRUCTION. ALL WORK SHALL BE DONE IN ACCORDANCE W/ PERMIT CONDITIONS.
17. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION, INSPECTIONS AND COORDINATE WITH THE COUNTY/CITY PLANNING AND ZONING DEPARTMENT.
18. CONTRACTOR SHALL CONTACT COUNTY/CITY PUBLIC WORKS PRIOR TO CONSTRUCTING ANY OFFSITE ELEMENTS.
19. THE CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLANS TO CITY PUBLIC WORKS PRIOR TO THE START OF CONSTRUCTION.
20. GROUTING CAN NOT BEGIN UNTIL REPLACEMENT DRAINAGE PIPE IS INSTALLED AND VERIFIED TO BE FUNCTIONING BY COUNTY/CITY.
21. CONTRACTOR SHALL REPAIR ALL DAMAGED PAVEMENT AS NECESSARY TO CONSTRUCT ALL IMPROVEMENTS AT HIS EXPENSE.
22. ALL LANDSCAPE ISLANDS SHALL BE GRADED TO DISCHARGE WATER, AND SHALL BE FILLED W/ CLEAN, FREE DRAINING SANDY SOIL.
23. ALL DISTURBED EARTH SHALL BE SODDED OR PLANTED LANDSCAPE. SEE LANDSCAPE PLANS FOR DETAIL.
24. ALL SPOT ELEVATIONS AT CURBING ARE EDGE OF PAVEMENT ELEVATIONS (EP) UNLESS (TC) WHICH IS TOP OF CURBING OR CONCRETE.
25. ALL PIPE LENGTHS ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

GRADING AND DRAINAGE NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AT CONNECTION POINTS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. SEE GEOTECHNICAL REPORT FOR SITE PREPARATION REQUIREMENTS.
3. THE CONTRACTOR SHALL COORDINATE THE GRADING AND DRAINAGE CONSTRUCTION WITH ALL OTHER CONSTRUCTION.
4. CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
5. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM WITH ALL CITY / COUNTY STANDARDS.
6. THE CONTRACTOR SHALL STAKE THE STORM SEWER SYSTEM AND THE SANITARY SEWER SYSTEM AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO INSTALLATION OF ANY PIPE.
7. THE EXISTING UTILITY FACILITIES AND LOCATIONS SHOWN ON THE DRAWINGS ARE TAKEN FROM READILY AVAILABLE INFORMATION. THE ACTUAL LOCATIONS OF THE UTILITY FACILITIES MAY VARY SOMEWHAT FROM THE LOCATIONS SHOWN AND THERE MAY BE UTILITY FACILITIES EXISTING THAT ARE NOT SHOWN OR INDICATED ON THE DRAWINGS. THE SITE UTILITY CONTRACTOR SHALL CONTACT ALL AGENCIES WITH UTILITY FACILITIES IN THE VICINITY OF THE WORK AND SHALL LOCATE ALL UNDERGROUND FACILITIES BEFORE BEGINNING WORK. THE CONTRACTOR SHALL PROTECT ALL UTILITY FACILITIES AND REPAIR ANY DAMAGE RESULTING FROM THEIR WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS AND RELOCATE IF REQUIRED AT NO COST TO THE OWNER.
8. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO PREPARATION OF SUBGRADE FOR PAVEMENT.
9. PAVEMENT SUBGRADE SHALL HAVE ALL UNSUITABLE MATERIAL REMOVED TO A DEPTH OF 3 FEET BELOW SUBGRADE AND 2 FEET BEYOND BACK OF CURB. BACKFILL WITH SUITABLE MATERIAL PER THE GEOTECHNICAL REPORT.
10. ANY UNSUITABLE MATERIAL ENCOUNTERED AND EXCESS SUITABLE FILL MATERIAL SHALL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUITABLE MATERIAL AND ITS REPLACEMENT WITH STRUCTURAL FILL. SEE GEOTECHNICAL REPORT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBGRADE, LIMEROCK AND ASPHALT TESTING AS REQUIRED BY THE PROJECT SPECIFICATIONS.
12. STORMWATER COLLECTION SYSTEM DESIGN IS BASED ON THE 5 YEAR RETURN FREQUENCY STORM (RATIONAL METHOD).
13. ALL RCP PIPE SHALL MEET THE REQUIREMENTS OF ASTM C-76 AND SHALL BE CLASS III, WALL B.
14. ALL PIPE LENGTHS ARE APPROXIMATE AND MEASURED TO THE CENTER OF STRUCTURE OR MITERED END SECTION. ACTUAL LENGTHS MAY VARY.
15. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS ONLY.
16. A QUALIFIED SOILS LABORATORY SHALL BE ON SITE DURING EXCAVATING TO DETERMINE THE SUITABILITY OF THE EXISTING SUB GRADE AND EXISTING ON SITE MATERIAL PRIOR TO BEGINNING ANY FILLING OPERATION.
17. GRADING CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING, OR BY OTHER METHODS AS DIRECTED BY ENGINEER AND/OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
18. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER UTILITY INSTALLATIONS NOT COVERED IN THESE PLANS (ELECTRIC, TELEPHONE, GAS, CABLE, ETC.) AND ALLOW FOR THEIR OPERATIONS AND CONSTRUCTION TO BE PERFORMED.
19. CUT AND FILL SLOPES ARE NOT TO EXCEED 4:1 UNLESS OTHERWISE NOTED.
20. CONTRACTOR SHALL REPAIR OR REPLACE IN-KIND ANY DAMAGE THAT OCCURS AS RESULT OF HIS WORK.
21. ALL SOILS TEST REPORTS TO BE SUBMITTED TO PROJECT MANAGER.
22. FOR ALL TRENCH EXCAVATIONS WHICH EXCEED FIVE FEET (UTILITIES AND STORM), THE FOLLOWING MUST BE ADHERED TO:
    A. CONTRACTOR MUST FOLLOW OSHA STANDARD 29 CFR, SECTION 1926.650 SUBPART P, WHICH IS NOW A PART OF LAWS OF FLORIDA CHAPTER 90-96.
    B. THE CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE OF COMPLIANCE WITH THIS LAW.
    C. A SEPARATE PRICE ITEM SHALL BE INCLUDED IN THEIR BASE BID IDENTIFYING THE COST OF COMPLIANCE.
    D. A TRENCH SAFETY SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR.
23. THE CONTRACTOR SHALL COORDINATE CONNECTION WITH SITE PIPING AND BUILDING PIPING.
24. ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH CITY STANDARDS AND SHALL BE FILLED WITH CLEAN STRUCTURAL FILL COMPACTED AND TESTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
25. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.
26. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED AND PRESERVED.
27. BURNING OF TREES, BRUSH AND OTHER MATERIAL SHALL BE APPROVED, PERMITTED AND COORDINATED WITH THE CITY / COUNTY FIRE MARSHAL BY THE CONTRACTOR.
28. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER AND THE CITY, IF REQUIRED, ON ALL MATERIALS FOR REVIEW AND APPROVAL, PRIOR TO PURCHASE OR FABRICATION OF ANY UTILITY PIPE OR STRUCTURE.
29. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM TO CITY REQUIREMENTS AND SHALL BE CONSTRUCTED TO CONFORM TO CURBING, PROPERTY LINES AND LOW POINTS AS SHOWN ON PLANS.
30. CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT TIME OF ACCEPTANCE.
31. ALL DRAINAGE PIPE JOINTS ARE TO BE FILTER WRAPPED IN ACCORDANCE WITH FDOT STANDARDS.
32. ALL INVERTS IN DRAINAGE STRUCTURES TO BE PRECAST OR BRICK WITH LAYER OF MORTAR BETWEEN EACH LAYER OF BRICK, OR READY-MIX CONCRETE WITH NO STONE.
33. THE CONTRACTOR SHALL RESTORE ALL CULVERTS, HEADWALLS AND STORM DRAIN INLETS REMOVED OR DISTURBED BY THE CONSTRUCTION OPERATION. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR FURNISHING AND INSTALLING ANY NEW ITEM CAUSING SUCH DAMAGE.
34. A MINIMUM OF ONE ROW OF SOD SHALL BE INSTALLED ALONG ALL EDGES OF PAVEMENT. SEE LANDSCAPE PLANS FOR LANDSCAPE DETAIL. ALL DISTURBED AREAS WHICH ARE NOT SODDED SHALL RECEIVE GRASS SEED, FERTILIZER, AND MULCH. SEE LANDSCAPE PLANS FOR OTHER REQUIREMENTS. ALL WORK IN THE CITY RIGHT OF WAY SHALL CONFORM TO FDOT GRASSING STANDARDS.
35. SHOULD THE SURFACE OR SUBSURFACE CONDITIONS DIFFER FROM WHAT IS SHOWN ON THESE PLANS, THE CONTRACTOR SHOULD IMMEDIATELY CONTACT THE ENGINEER.
36. THE CONTRACTOR MUST COORDINATE WITH OWNERS GEOTECHNICAL ENGINEER REGARDING INSTALLATION OF UNDERDRAIN.
37. CORRUGATED POLYETHYLENE PIPE (CPP), SHALL BE PER AASHTO M252 OR 294 WITH SMOOTH INNER LINING TYPE S WITH BELL AND SPIGOT, SILT-TIGHT, RUBBER GASKETED JOINTS.

GENERAL NOTES:

1. TOPOGRAPHIC BOUNDARY SURVEY INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY [illegible], PROJECT NUMBER [illegible], DATED [illegible].
2. [illegible] AND ASSOCIATES CONSULTING ENGINEERS, AND ITS ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF SURVEY OR FOR DESIGN ERRORS OR OMISSIONS RESULTING FROM SURVEY INACCURACIES.
3. ALL PHASES OF SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE CITY / COUNTY SITE WORK SPECIFICATIONS.
4. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. IT IS RECOMMENDED THAT THE CONTRACTOR PHOTOGRAPH THE EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PROVIDE AND COORDINATE ANY AND ALL PEDESTRIAN AND VEHICULAR MAINTENANCE OF TRAFFIC AS NEEDED FOR CONSTRUCTION WITH THE FDOT AND CITY / COUNTY.
6. WARRANTY / DISCLAIMER: THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS. NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.
7. FOR BOUNDARY, ROADWAY AND BUILDING GEOMETRY [illegible] SITE PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BUILDING DIMENSIONS SHOWN ON THE ENGINEERING PLAN AGREE WITH THE DIMENSIONS SHOWN ON THE ARCHITECTURAL PLAN. IF ANY DIMENSIONS DO NOT AGREE, THE ARCHITECT, ENGINEER AND OWNER SHALL BE NOTIFIED AND THE DIMENSIONS ADJUSTED PRIOR TO COMMENCING WITH CONSTRUCTION.
8. ALL CONSTRUCTION WITHIN CITY / COUNTY RIGHT OF WAY SHALL BE COORDINATED WITH THE CITY / COUNTY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION FOR VERIFICATION AND LOCATION OF ALL UTILITIES.
9. CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO ENGINEER DETAILING THE FURNISH AND MANNER OF INSTALLATION FOR ALL COMPONENTS OF THE PROJECT PRIOR TO PURCHASE OF MATERIALS AND CONSTRUCTION.
10. THESE ENGINEERING DRAWINGS MAY NOT SHOW ALL OF THE CITY / COUNTY STANDARD DETAILS REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY THAT THE CONSTRUCTION OUTSIDE CITY / COUNTY RIGHT OF WAY BE IN ACCORDANCE WITH ALL CURRENT CITY / COUNTY STANDARD DETAILS AND SPECIFICATIONS.
11. ALL CONTRACTORS SHALL FURNISH CERTIFIED "AS BUILTS". SEE AS BUILT REQUIREMENTS ON SHEET [illegible].
12. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF OSHA SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THE PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH OSHA REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTORS BID.
13. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE DEVELOPER FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER. IF THE WORK IS IN THE CITY / COUNTY RIGHT OF WAY OR EASEMENT, THE CONTRACTOR'S ONE YEAR WARRANTY SHALL EXTEND TO THE CITY / COUNTY.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT, INCL. CITY / COUNTY RIGHT OF WAY PERMITS FOR WORK IN THE CITY / COUNTY RIGHT OF WAY OR EASEMENT.
15. THE CONTRACTOR SHALL COORDINATE THE WORK WITHIN CITY / COUNTY RIGHT OF WAY WITH THE PROPER AGENCIES FOR MAINTENANCE OF TRAFFIC AND OTHER ITEMS OF CONSTRUCTION AND REPAIR.
16. THESE PLANS DO NOT STAND BY THEMSELVES. SEE DOCUMENTS, CITY / COUNTY WATER AND SEWER STANDARDS DETAILS & MATERIALS, CITY / COUNTY STANDARD SPECIFICATIONS & DETAILS AND ANY OTHER STANDARDS LISTED OR REFERENCED, ARE INCLUDED IN THE PROJECT DOCUMENTS.
17. THE CONTRACTOR SHALL NOTIFY THE CITY / COUNTY AT A MINIMUM OF 48 HOURS PRIOR TO STARTING CONSTRUCTION.
18. THE CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT FROM THE PUBLIC WORKS DEPT. FOR CURBING, SIDEWALK, DRIVEWAY APRONS, AND ANY UTILITY WORK. THE CONTRACTOR MUST HAVE A SURETY BOND ON FILE IN THE PUBLIC WORKS DEPT. BEFORE THE WATER AND SEWER TAP TICKETS AND RIGHT OF WAY PERMIT CAN BE OBTAINED.
19. THE CONTRACTOR SHALL OBTAIN A REVOCABLE ENCROACHMENT PERMIT. THE PERMIT MUST BE OBTAINED FROM THE PUBLIC WORKS DEPT. FOR ANY LANDSCAPING INCLUDING SOD AND IRRIGATION AND UTILITIES THAT ARE LOCATED WITHIN THE ALLEY ALONG THE SOUTH SIDE OF THE PROJECT.
20. THE CONTRACTOR SHALL CORRECT ALL IMPACTS FROM CONSTRUCTION (INCLUDING DRAINAGE) TO THE NEIGHBORING PROPERTIES INCLUDING PUBLIC RIGHT OF WAYS AND EASEMENTS TO THE SATISFACTION OF THE CITY / COUNTY PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
21. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO SIDEWALKS, CURBS ETC. ADJACENT TO PROPERTY WHICH OCCURS DURING CONSTRUCTION. THE REPAIRS MUST BE MADE BEFORE ISSUANCE OF CERTIFICATE OF OCCUPANCY.
22. ALL SURVEYING SHALL BE PERFORMED BY STATE OF FLORIDA REGISTERED SURVEYORS.

UTILITY CONTACTS:

A. AT&T - GENERAL NUMBER - - - - 904 [illegible]
B. AT&T - [illegible] - NORTH DISTRICT - - - - [illegible]
C. AT&T - [illegible] - SOUTH DISTRICT - - - - [illegible]
D. CITY OF JACKSONVILLE - PUBLIC WORKS DEPT - - - - 904 [illegible]
E. CITY OF JACKSONVILLE - TRAFFIC ENGINEERING - - - - 904 [illegible]
F. FLORIDA DEPT. OF TRANSPORTATION - - - - 904 [illegible]
G. JEA - WATER COLLECTION & DISTRIBUTION - JOHN PARKER - - - - 904 [illegible]
H. JEA - SEWER COLLECTION & DISTRIBUTION - JOHN PARKER - - - - 904 [illegible]
I. JEA - GENERAL INFORMATION - - - - [illegible]
J. JEA - PROJECT OUTREACH - - - - [illegible]
K. JEA - POWER OUTAGES - - - - [illegible]
L. JEA - SEWER PROBLEMS - - - - [illegible]
M. JEA - WATER PROBLEMS - - - - [illegible]
N. JEA - WATER & SEWER LOCATES - - - - 904 [illegible]
O. NASSAU COUNTY - PUBLIC WORKS - CHARLES HOUSTON - - - - [illegible]
P. ST. JOHNS COUNTY - RIGHT OF WAY PERMITTING - [illegible] - - - - 904 [illegible]
Q. ST. JOHNS COUNTY - TRAFFIC SIGNALS - [illegible] - - - - 904 [illegible]
R. COMCAST - EMERGENCY HOTLINE - - - - [illegible]
S. TECO/PEOPLES GAS - [illegible] - - - - [illegible]
T. SUNSHINE ONE CALL - - - - 811

Sunshine 811
Always call before you dig

GNA
[illegible]
JACKSONVILLE, FLORIDA [illegible]
[illegible]

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

[illegible]
Auld & White Constructors
[illegible]
Jacksonville, FL [illegible]

90%
DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

SCALE	DATE	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS	PROJECT
NONE	3/21/2018	JPM	C09-0008-18

FIRE STATION #73
4444 AVIATION AVENUE, JACKSONVILLE, FL
GENERAL NOTES

SHEET NO. C1.0

SANITARY SEWER NOTES:

1. THE CONTRACTOR SHALL OBTAIN ALL PERMITS TO COMPLETE THE CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF SEWER FACILITIES WITH ALL OTHER CONSTRUCTION.
3. CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL BEFORE ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
4. ALL GRAVITY SEWER CONSTRUCTION SHALL CONFORM TO THE LATEST UTILITY AND CITY STANDARDS AND SPECIFICATIONS.
5. THE EXISTING UTILITY FACILITIES AND LOCATIONS SHOWN ON THE DRAWINGS ARE TAKEN FROM READILY AVAILABLE INFORMATION. THE ACTUAL LOCATIONS OF THE UTILITY FACILITIES MAY VARY SOMEWHAT FROM THE LOCATIONS SHOWN AND THERE MAY BE UTILITY FACILITIES EXISTING THAT ARE NOT SHOWN OR INDICATED ON THE DRAWINGS. THE SITE UTILITY CONTRACTOR SHALL CONTACT ALL AGENCIES WITH UTILITY FACILITIES IN THE VICINITY OF THE WORK AND SHALL LOCATE ALL UNDERGROUND FACILITIES BEFORE BEGINNING WORK. THE CONTRACTOR SHALL PROTECT ALL UTILITY FACILITIES AND REPAIR ANY DAMAGES RESULTING FROM THEIR WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS AND RELOCATE IF REQUIRED AT NO COST TO THE OWNER.
6. THE CONTRACTOR SHALL STAKE THE SANITARY SEWER SYSTEM AND THE STORM SEWER SYSTEM AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO INSTALLATION OF ANY PIPE.
7. MANHOLES SHALL BE IN CONFORMANCE WITH UTILITY STANDARDS.
8. GRAVITY SEWER MAINS SHALL BE 8 INCH PVC UNLESS OTHERWISE INDICATED ON THE PLANS. MINIMUM SLOPE SHALL BE 0.4% FOR 8" PVC.
9. TYPE B BEDDING SHALL BE USED FOR THIS PROJECT UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
10. BACKFILLING SHALL BE MADE WITH CLEAN BACKFILL WHICH SHALL BE THOROUGHLY COMPACTED IN 6" LIFTS. COMPACTION SHALL BE A MINIMUM OF 98% MAX DENSITY AT +/- 2% OF THE MODIFIED PROCTOR OPTIMUM MOISTURE CONTENT.
11. UNSUITABLE MATERIALS UNDER SEWER PIPE SHALL BE REMOVED TO A DEPTH OF 18" BELOW THE BOTTOM OF PIPE AND REPLACED WITH SELECTED BACKFILL PROPERLY COMPACTED IN 6" LIFTS. [illegible]
12. [illegible]
13. ALL SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER CHAPTER 489 F.S.
14. ALL PIPE LENGTHS ARE HORIZONTAL DISTANCES AND ARE APPROXIMATE.
15. [illegible]
16. [illegible]
17. [illegible]
18. [illegible]
19. [illegible]

WATER NOTES:

1. THE CONTRACTOR SHALL OBTAIN ALL PERMITS TO COMPLETE THE CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF WATER FACILITIES WITH ALL OTHER CONSTRUCTION.
3. CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
4. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO LATEST UTILITY AUTHORITY AND CITY / COUNTY STANDARDS AND SPECIFICATIONS AND APPLICABLE AWWA STANDARDS.
5. THE EXISTING UTILITY FACILITIES AND LOCATIONS SHOWN ON THE DRAWINGS ARE TAKEN FROM READILY AVAILABLE INFORMATION. THE ACTUAL LOCATIONS OF THE UTILITY FACILITIES MAY VARY SOMEWHAT FROM THE LOCATIONS SHOWN AND THERE MAY BE UTILITY FACILITIES EXISTING THAT ARE NOT SHOWN OR INDICATED ON THE DRAWINGS. THE SITE UTILITY CONTRACTOR SHALL CONTACT ALL AGENCIES WITH UTILITY FACILITIES IN THE VICINITY OF THE WORK AND SHALL LOCATE ALL UNDERGROUND FACILITIES BEFORE BEGINNING WORK. THE CONTRACTOR SHALL PROTECT ALL UTILITY FACILITIES AND REPAIR ANY DAMAGES RESULTING FROM THEIR WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS AND RELOCATE IF REQUIRED AT NO COST TO THE OWNER.
6. WATER LINES SHALL HAVE A MINIMUM OF 30" COVER FROM FINISHED GRADE. MAXIMUM COVER SHALL BE 60".
7. WATER LINES ARE DESIGNED TO FINISHED GRADE AND SHALL BE PROTECTED UNTIL FINISH WORK IS COMPLETE.
8. ALL WATER MAINS 4" AND LARGER SHALL BE AWWA C900, DR18 PVC. [illegible] STANDARDS.
9. RESTRAINED JOINTS ARE REQUIRED WHERE WATER MAINS ARE TERMINATED AND AT ALL BENDS, IN ACCORDANCE WITH THE UTILITY AUTHORITY STANDARD DETAILS AND SPECIFICATIONS.
10. [illegible]
11. [illegible]
12. [illegible]
13. [illegible]
14. [illegible]
15. [illegible]
16. [illegible]
17. [illegible]
18. [illegible]
19. [illegible]
20. [illegible]
21. FIRE HYDRANTS SHALL MEET UTILITY AUTHORITIES STANDARDS.
22. [illegible]
23. ALL NEW OR RELOCATED WATER MAINS:
   A. [illegible]
   B. [illegible]
24. [illegible]
25. [illegible]
26. [illegible]
27. [illegible]
28. [illegible]
29. [illegible]

AS-BUILT REQUIREMENTS:

CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT INFORMATION TO THE PROJECT ENGINEER IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

1. AS-BUILT DRAWINGS SHALL BE PREPARED IN AUTOCAD FORMAT BY A REGISTERED LAND SURVEYOR. ONE SET OF SIGNED MYLARS AND A SET OF COMPUTER DISKS OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. SIGNED AND SEALED PRINTS SHALL BE PROVIDED TO THE ENGINEER AS REQUESTED.
2. AS-BUILT DRAWINGS SHALL BE IN ACCORDANCE WITH ALL AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL COORDINATE AS-BUILT SUBMITTALS AND APPROVALS WITH JURISDICTIONAL AGENCIES UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER.
3. PROVIDE BUILDING LOCATIONS, FINISH FLOOR ELEVATIONS, PAVEMENT GRADES AND ALL UNDERGROUND FACILITIES.
4. PROVIDE PERIMETER DIMENSIONS AT TOP OF BANK AND AT BOTTOM OF POND/STORMWATER STORAGE SYSTEM.
5. PROVIDE ELEVATIONS AT TOP OF BANK AND BOTTOM OF POND/TOP OF TANK AND BOTTOM OF TANK (IF APPLICABLE).
6. PROVIDE SPECIAL DETAIL DRAWINGS WHERE INSTALLATIONS WERE NOT AS SHOWN ON CONTRACT DRAWINGS DUE TO FIELD CONDITIONS OR WHERE REQUIRED FOR CLARITY.
7. PROVIDE LOCATION, ELEVATION AND DESCRIPTION OF BENCHMARKS.
8. LOCATE AND PROVIDE ELEVATIONS OF ALL STRUCTURES. LOCATION OF ALL STRUCTURES SHALL BE FROM TWO (2) DIRECTIONS.
9. LOCATE ALL PIPES AND PROVIDE SIZE, ELEVATION, INVERT ELEVATIONS, LENGTH AND TYPE.
10. PROVIDE DIMENSIONS AND ELEVATIONS OF THE POND OUTFALL STRUCTURES.
11. WATER AS-BUILTS SHALL INDICATE THE LOCATION OF BACTERIOLOGICAL SAMPLE POINTS. SAMPLE POINTS SHALL BE INDICATED IN RED OR PINK.
12. THE AS-BUILTS SHALL INCLUDE A DETAIL OF EVERY CROSSING OF THE NEW WATER MAIN WITH GRAVITY SEWERS, FORCE MAINS AND STORM PIPES CLEARLY SHOWING & INDICATING THE VERTICAL CLEARANCES AT EACH CROSSING. DETAILS SHALL BE FURNISHED FOR PARALLEL RUNS WHERE THE HORIZONTAL SEPARATION IS LESS THAN 10 FEET.
13. THE CENTERING OF UNCUT LENGTHS OF PIPE AT POINTS OF CROSSING SHALL BE DOCUMENTED ON THE AS-BUILTS AND ALL MITIGATING CONSTRUCTION MEASURES CLEARLY DEPICTED IN CASES WHERE A MINIMUM OF 18" OF VERTICAL CLEARANCE BETWEEN THE WATER AND SEWER (INCLUDING STORM) LINES IS NOT POSSIBLE.
14. AS-BUILTS SUBMITTED TO JEA MUST FOLLOW GUIDELINES FROM SECTION 301 OF JEA STANDARDS MANUAL.

NOTICE OF PROCEDURE/JEA NOTES:

[illegible]

STANDARD WATER AND SEWER DESIGN NOTES

[illegible]

SUNSHINE 811

SCALE	NONE	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS	
DATE	[illegible]		

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

GNA

AULD & WHITE CONSTRUCTORS, LLC

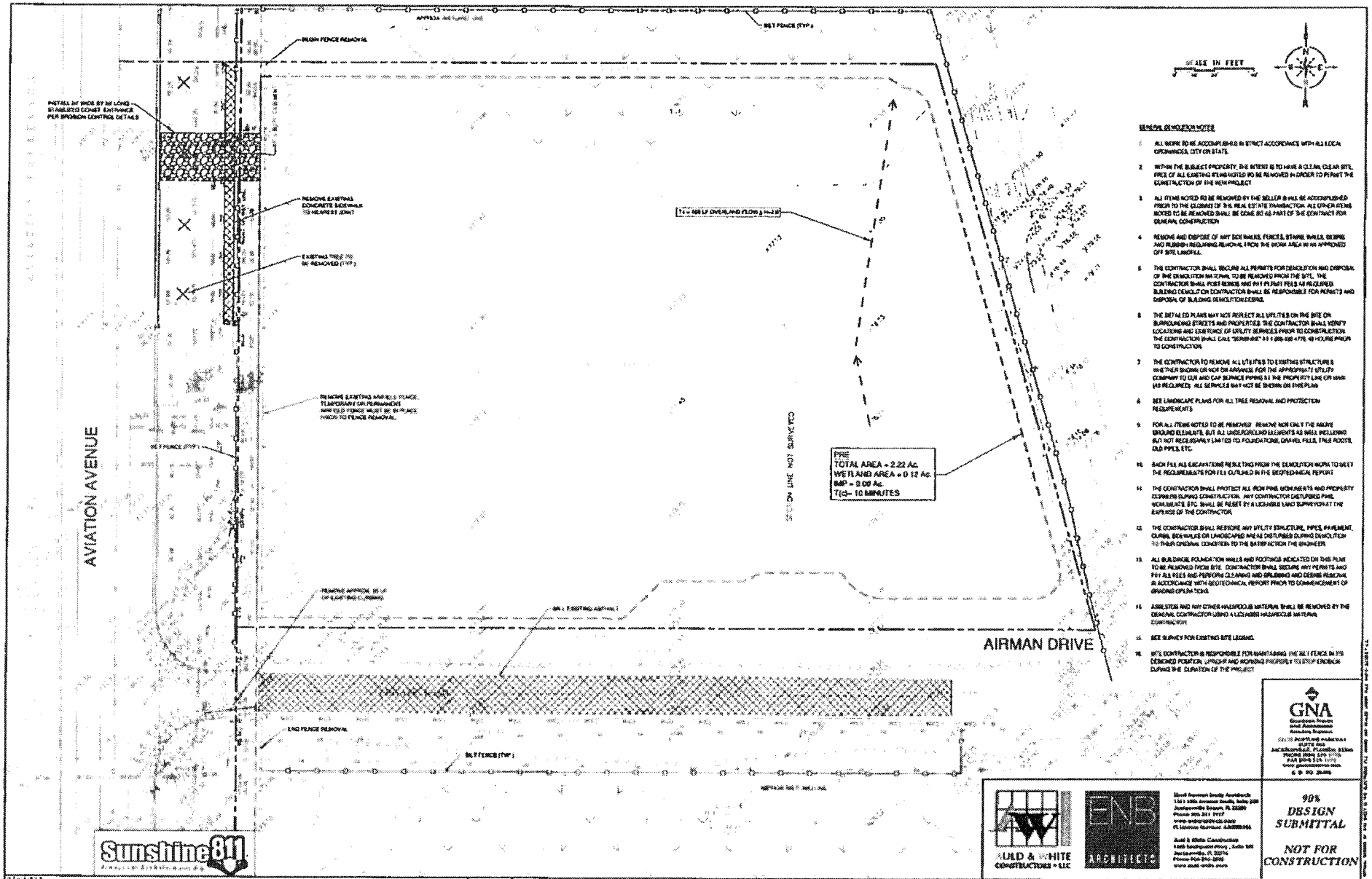
ENB ARCHITECTS

FIRE STATION #73

[illegible] AVIATION AVENUE, JACKSONVILLE, FL

GENERAL NOTES

C1.1



GENERAL DEMOLITION NOTES

1. ALL WORK TO BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL LOCAL ORDINANCES, CITY OR STATE.
2. WITHIN THE SUBJECT PROPERTY, THE INTENT IS TO HAVE A CLEAN, CLEAR SITE, FREE OF ALL EXISTING ITEMS NOTED TO BE REMOVED IN ORDER TO PERMIT THE CONSTRUCTION OF THE NEW PROJECT.
3. ALL ITEMS NOTED TO BE REMOVED BY THE SELLER SHALL BE ACCOMPLISHED PRIOR TO THE CLOSING OF THE REAL ESTATE TRANSACTION. ALL OTHER ITEMS NOTED TO BE REMOVED SHALL BE DONE AS AS PART OF THE CONTRACT FOR GENERAL CONSTRUCTION.
4. REMOVE AND DISPOSE OF ANY SIDEWALKS, FENCES, STRAND WALLS, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA IN AN APPROVED OFF SITE LANDFILL.
5. THE CONTRACTOR SHALL SECURE ALL PERMITS FOR DEMOLITION AND DISPOSAL OF THE DEMOLITION MATERIAL TO BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL POST BONDS AND PAY PERMIT FEES AS REQUIRED. BUILDING DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS AND DISPOSAL OF BUILDING DEMOLITION DEBRIS.
6. THE DETAILED PLANS MAY NOT REFLECT ALL UTILITIES ON THE SITE OR SURROUNDING STREETS AND PROPERTIES. THE CONTRACTOR SHALL VERIFY LOCATIONS AND EXISTENCE OF UTILITY SERVICES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL "SUNSHINE" AT 1-800-432-4770, 48 HOURS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR TO REMOVE ALL UTILITIES TO EXISTING STRUCTURES WHETHER SHOWN OR NOT OR ARRANGE FOR THE APPROPRIATE UTILITY COMPANY TO CUT AND CAP SERVICE PIPING AT THE PROPERTY LINE OR WHAT (AS REQUIRED). ALL SERVICES MAY NOT BE SHOWN ON THIS PLAN.
8. SEE LANDSCAPE PLANS FOR ALL TREE REMOVAL AND PROTECTION REQUIREMENTS.
9. FOR ALL ITEMS NOTED TO BE REMOVED: REMOVE NOT ONLY THE ABOVE GROUND ELEMENTS, BUT ALL UNDERGROUND ELEMENTS AS WELL INCLUDING BUT NOT NECESSARILY LIMITED TO FOUNDATIONS, GRAVEL FILLS, TRUE POSTS, OLD PIPES, ETC.
10. BACK FILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK TO MEET THE REQUIREMENTS FOR FILL OUTLINED IN THE GEOTECHNICAL REPORT.
11. THE CONTRACTOR SHALL PROTECT ALL IRON PINS, MONUMENTS AND PROPERTY CORNERS DURING CONSTRUCTION. ANY CONTRACTOR DISTURBED PINS, MONUMENTS, ETC. SHALL BE RESET BY A LICENSED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
12. THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, PIPES, PAVEMENT, CURBS, BOX WALKS OR LANDSCAPED AREAS DISTURBED DURING DEMOLITION TO THEIR ORIGINAL CONDITION TO THE SATISFACTION THE ENGINEER.
13. ALL BUILDING FOUNDATION WALLS AND FOOTINGS INDICATED ON THIS PLAN TO BE REMOVED FROM SITE. CONTRACTOR SHALL SECURE ANY PERMITS AND PAY ALL FEES AND PERFORM CLEARING AND GRUBBING AND DEBRIS REMOVAL IN ACCORDANCE WITH GEOTECHNICAL REPORT PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.
14. ASBESTOS AND ANY OTHER HAZARDOUS MATERIAL SHALL BE REMOVED BY THE GENERAL CONTRACTOR USING A LICENSED HAZARDOUS MATERIAL CONTRACTOR.
15. SEE SURVEY FOR EXISTING SITE LEGEND.
16. SITE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SILT FENCE IN ITS DESIGNED POSITION, UPRIGHT AND WORKING PROPERLY TO STOP EROSION DURING THE DURATION OF THE PROJECT.

GNA

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

CITY OF JACKSONVILLE, FLORIDA

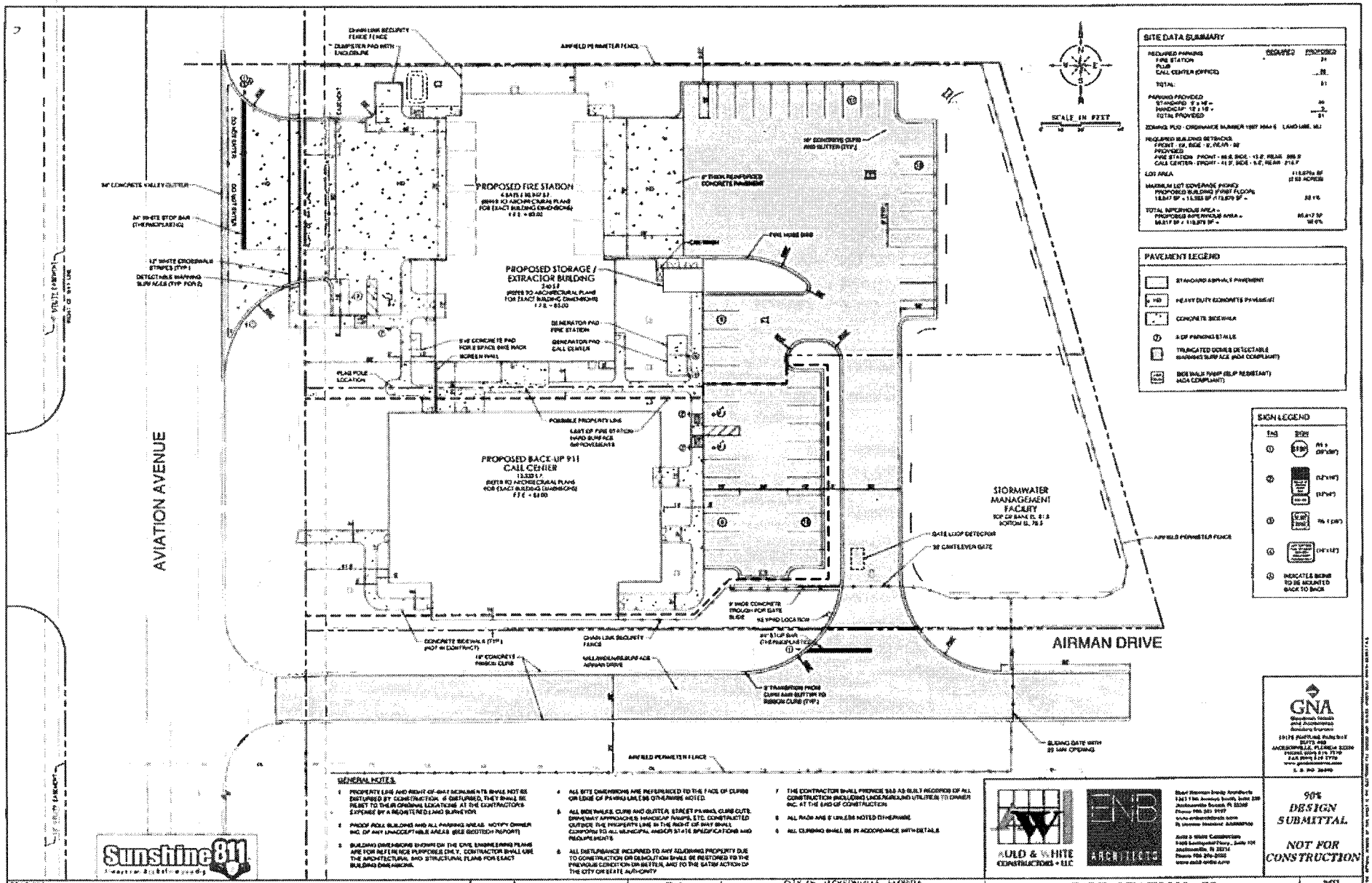
DATE | DRAWN BY | PROJECT #

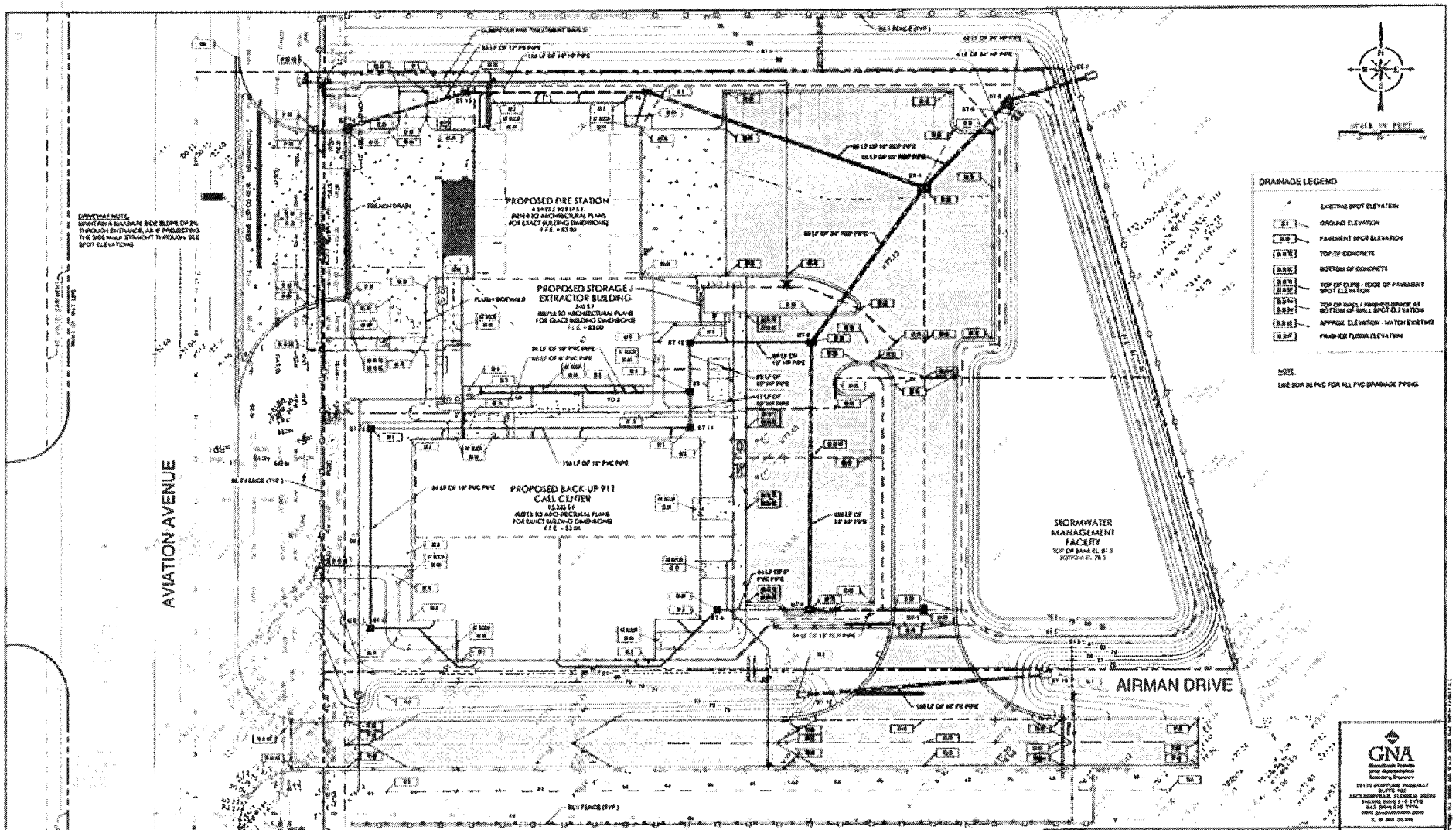
FIRE STATION #73

4861 AVIATION AVENUE, JACKSONVILLE, FL

EXISTING CONDITIONS AND DEMOLITION PLAN

C2.0


AVIATION AVENUE
AIRMAN DRIVE
PROPOSED FIRE STATION
PROPOSED STORAGE / EXTRACTOR BUILDING
PROPOSED BACK-UP 911 CALL CENTER
STORMWATER MANAGEMENT FACILITY
SCALE IN FEET
SITE DATA SUMMARY
PAVEMENT LEGEND
SIGN LEGEND
GENERAL NOTES
Sunshine811
GNA
HOLD & WHITE CONSTRUCTORS + LLC
ENB ARCHITECTS
90% DESIGN SUBMITTAL
NOT FOR CONSTRUCTION
CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS
FIRE STATION #73
440 AVIATION AVENUE, JACKSONVILLE, FL
GEOMETRY PLAN
C2.1



Sunshine 811

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

GNA

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

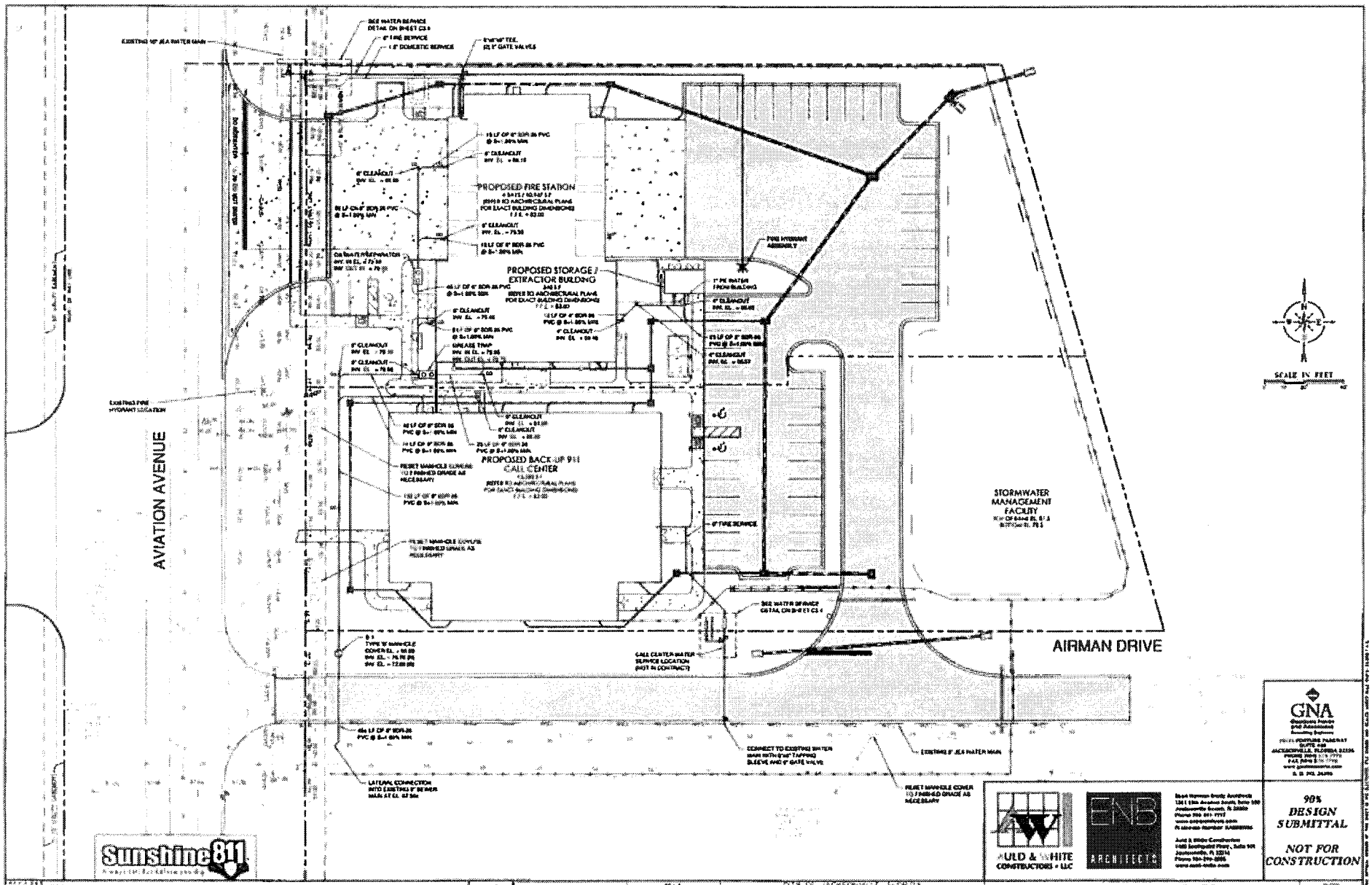
CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

FIRE STATION #73

846 AVIATION AVENUE, JACKSONVILLE, FL

PAVING, GRADING AND DRAINANGE PLAN

SHEET NO. C2.2



GNA

AULD & WHITE CONSTRUCTORS + LLC

ENB ARCHITECTS

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

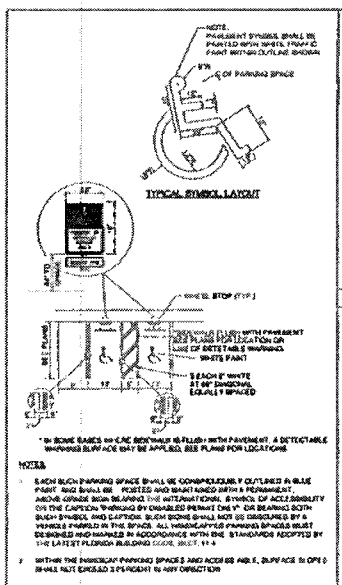
FIRE STATION #73

6911 AVIATION AVENUE, JACKSONVILLE, FL

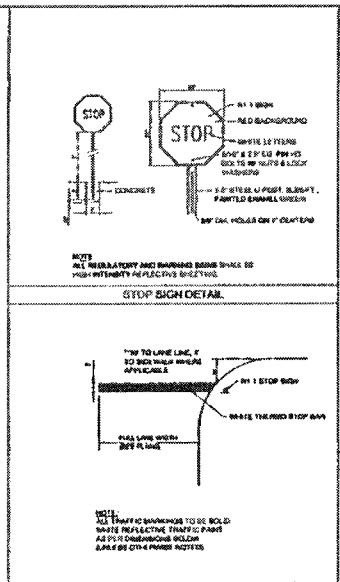
UTILITY PLAN

C2.3

EXHIBIT D2

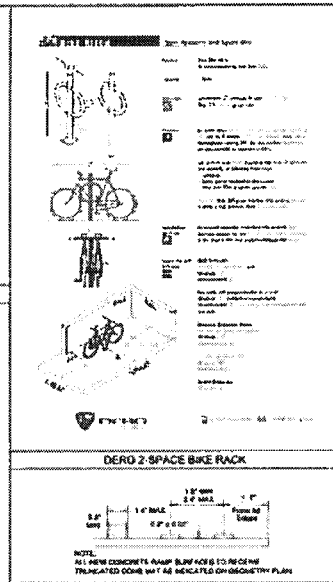


HANDICAP SPACE DETAIL



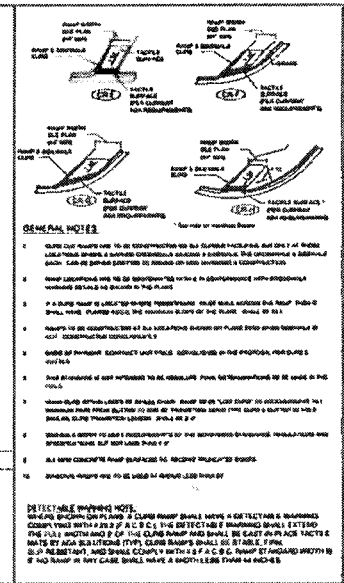
STOP SIGN DETAIL

STOP BAR DETAIL

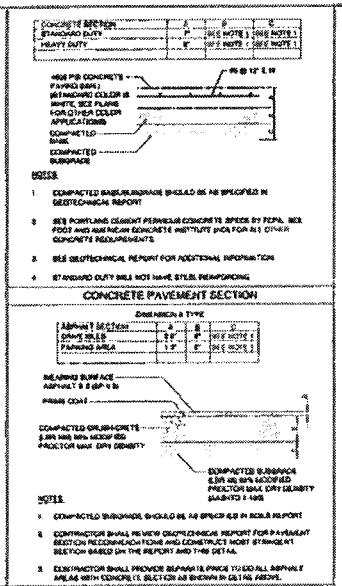


DERO 2-SPACE BIKE RACK

DETECTABLE WARNING SURFACE DETAIL

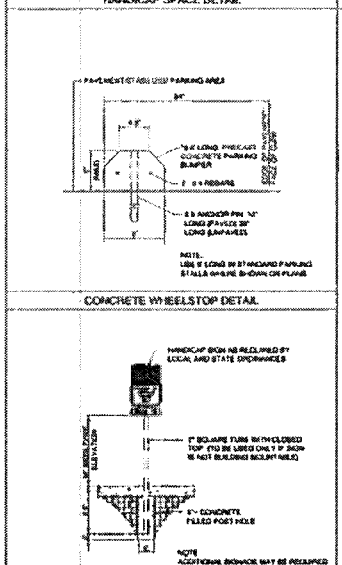


RAMP DETAILS



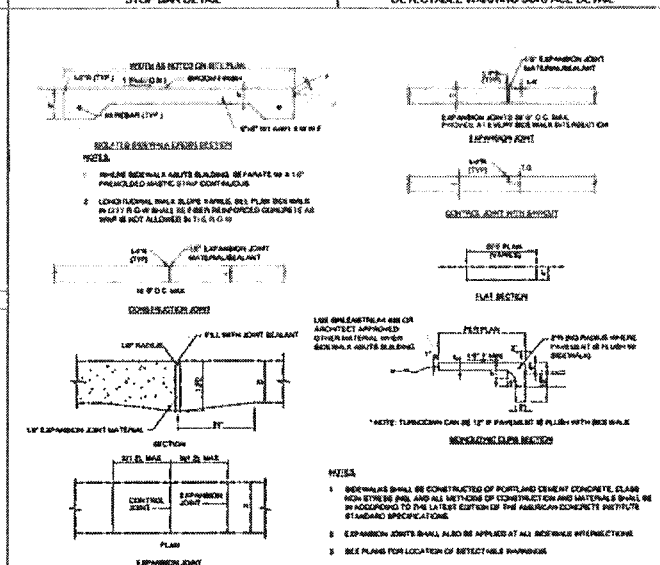
CONCRETE PAVEMENT SECTION

ASPHALT PAVEMENT SECTION

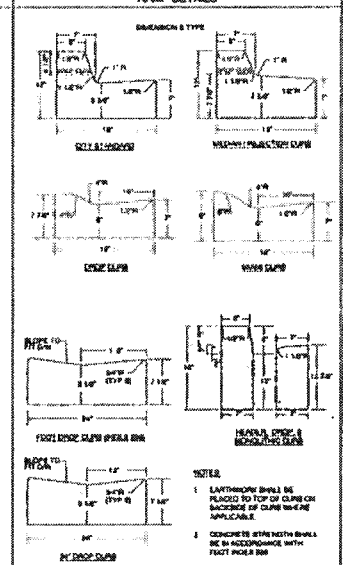


CONCRETE WHEELSTOP DETAIL

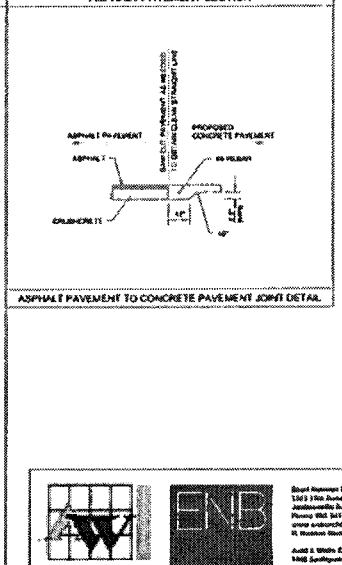
HANDICAP PARKING SIGN DETAIL



CONCRETE SIDEWALK DETAILS



STANDARD CURB TEMPLATES



ASPHALT PAVEMENT TO CONCRETE PAVEMENT JOINT DETAIL

GNA
Geographic Supply and Assistance
Building Engineers
3015 PORTLAND PARKWAY
SUITE 102
JACKSONVILLE, FLORIDA 32054
PHONE (904) 519 7775
FAX (904) 519 7776
www.gnaengineering.com
C. B. INC. 30,000

AULD & WHITE CONSTRUCTORS • LLC

SNB ARCHITECTS

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

						SCALE	
						NONE	

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
3/21/2018	JPM	0008-0008-15

FIRE STATION #73

1441 AVIATION AVENUE, JACKSONVILLE, FL

CONSTRUCTION DETAILS

SHEET NO. C3.0

TYPE 'C' INLET DETAIL

TYPE 'E' INLET DETAIL

STORMWATER MANAGEMENT FACILITY - CROSS SECTION

CONTROL STRUCTURE DETAIL (ST-5) - MODIFIED TYPE 'C' INLET

MITERED END SECTION DETAIL

TYPICAL GRADING CONNECTION DETAIL

BEDDING DETAIL

SPRINKLER RISER DETAIL

CLEANOUT DETAIL

ROOF DRAIN UNDERGROUND CONNECTOR DETAIL

GNA

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

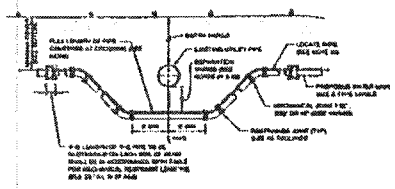
		NONE	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS		

FIRE STATION #73

6305 AVIATION AVENUE, JACKSONVILLE, FL

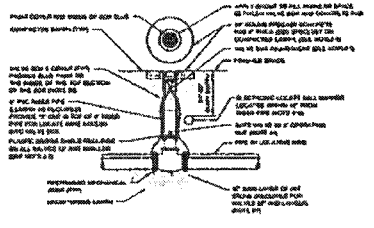
CONSTRUCTION DETAILS

SHEET NO. C3.1

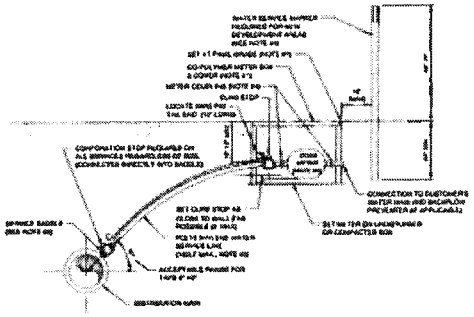


CASE "B" CROSSING

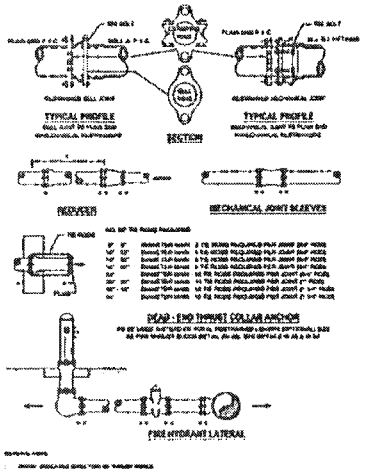
ADJUSTMENT UNDER EXISTING UTILITIES
MECHANICAL RESTRAINTS



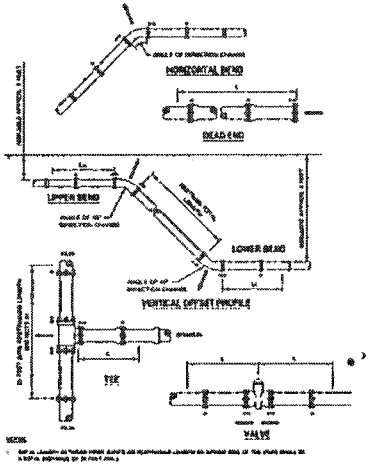
WATER VALVE INSTALLATION DETAIL



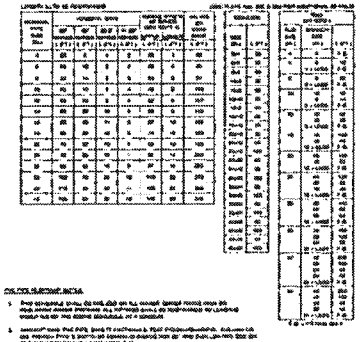
WATER SERVICE DETAIL- 2" AND SMALLER METER



MECHANICAL RESTRAINT DETAILS - I



MECHANICAL RESTRAINT DETAILS - II



PVC PIPE RESTRAINT JOINT SCHEDULE

GNA

AULD & WHITE CONSTRUCTORS - J&C

ENB ARCHITECTS

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

SCALE: NONE

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

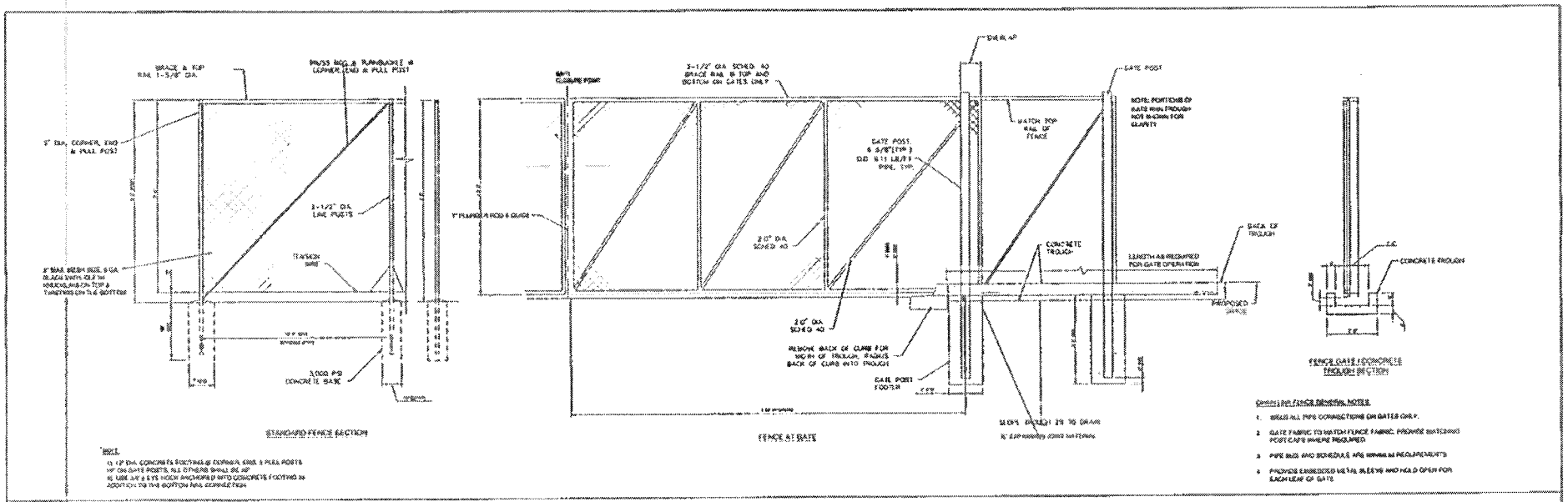
DATE: 3/29/2019 | DRAWN BY: JPM | PROJECT #: C08-0006-19

FIRE STATION #73

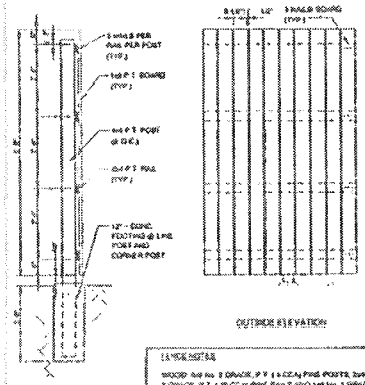
8841 AVIATION AVENUE, JACKSONVILLE, FL

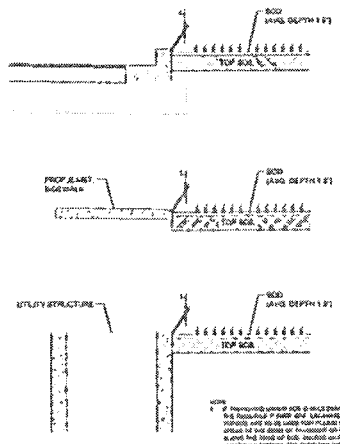
CONSTRUCTION DETAILS

SHEET NO. C3.2



CHAIN LINK FENCE DETAILS





WOOD FENCE DETAILS

SIDEWALK DETAILS

SCALE	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS		
NONE	DATE 8/29/2008	DRAWN BY JRW	PROJECT # CGB-0006-16

FIRE STATION #73
5841 AVIATION AVENUE, JACKSONVILLE, FL
CONSTRUCTION DETAILS

SHEET NO. C3.3

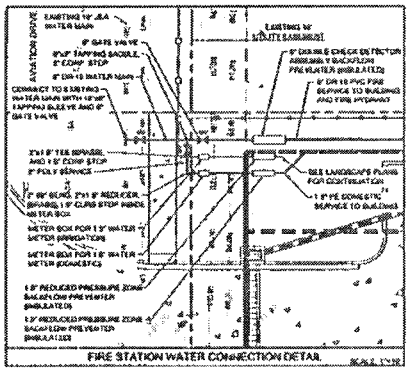
GNA

AULD & WHITE CONSTRUCTORS • LLC

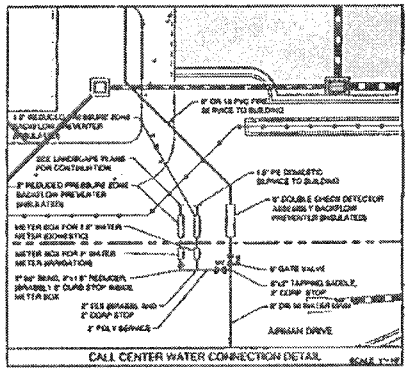
ENB ARCHITECTS

90% DESIGN SUBMITTAL

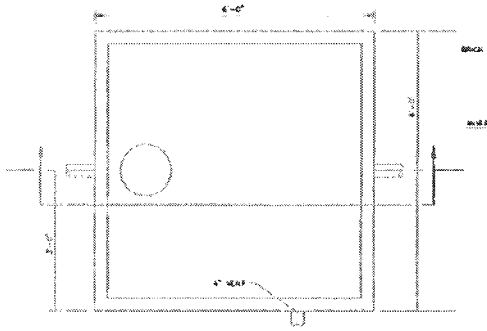
NOT FOR CONSTRUCTION



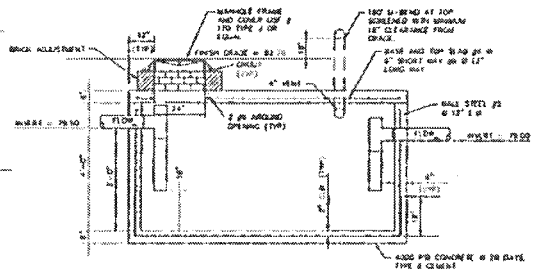
FIRE STATION WATER CONNECTION DETAIL



CALL CENTER WATER CONNECTION DETAIL



PLAN



SECTION

NOTE: PROVIDE 1.5 RING EVES AS REQUIRED.

CAPACITY PROVIDED: 337 gal

CAPACITY REQUIRED

Bal FOR FIRST 100AC PLUS Bal FOR EACH ADDITIONAL 100AC

MINIMUM CAPACITY

DRAINAGE AREA (APPROXIMATE GATE) = 3.906 ac

Bal = [Bal * (DRAINAGE - 100AC)/100AC] = 43.38 ac

= 43.38 ac * 7.5 gal/ac = 325 gal

COMPLIES WITH ASTM C 913-79, PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES AND ASTM C 890-78, MIN. STRUCTURAL DESIGN LOADING FOR MONOLITHIC OR SECTIONAL PRECAST CONCRETE WATER AND WASTEWATER STRUCTURES.

OIL/WATER SEPARATOR DETAILS

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1			
2			
3			
4			

SCALE: NONE

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE: 5/21/2014 | DRAWN BY: JPM | PROJECT #: CIP 10008-16

AULD & WHITE CONSTRUCTORS - I.A.C.

ENB ARCHITECTS

GNA

90% DESIGN SUBMITTAL

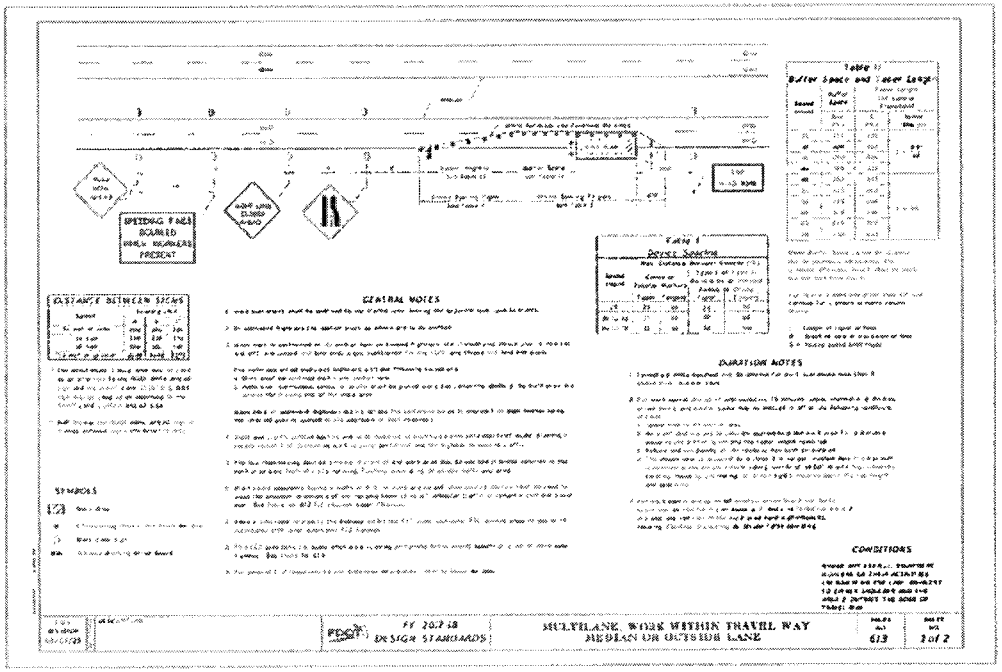
NOT FOR CONSTRUCTION

FIRE STATION #73

6441 AVIATION AVENUE, JACKSONVILLE, FL

CONSTRUCTION DETAILS

SHEET NO. C3.4



SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS** A	B	C
URBAN (low speed)	30 (100)	30 (100)	30 (100)
URBAN (high speed)	100 (300)	100 (300)	100
(300)			
RURAL	150 (500)	150 (500)	150
(500)			
Expressway/Freeway	300 (1,000)	400 (1,500)	0
(1,000)			

* SPEED CATEGORY TO BE DETERMINED BY INSPECTOR PRIOR TO
** DISTANCES ARE SHOWN IN METERS (FEET). THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H.1 THROUGH 6H.4 OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS (THE THIRD SIGN IS THE FIRST ONE ON THE THREE SIGN SERIES ENCOUNTERED BY A DRIVER APPROACHING A TEMPORARY TRAFFIC CONTROL ZONE).
NOTE: CONDITIONAL DIMENSIONS ARE TO BE ADJUSTED TO FIT FIELD CONDITIONS. SEE FDOT INDEX No. 600

TAPER LENGTH CRITERIA

TYPE OF TAPER	TAPER LENGTH (L)*
MERGING TAPER	AT LEAST L
SHIFTING TAPER	AT LEAST 0.5L
SHOULDER TAPER	AT LEAST 0.5L
ONE LANE, TWO WAY TRAFFIC TAPER	100 FT MAXIMUM
DOWNSTREAM TAPER	100 FT PER LANE

*FORMULAS FOR L ARE AS FOLLOWS

FOR SPEED LIMITS OF 40 MPH OR LESS

$L = \frac{WS^2}{60}$

FOR SPEED LIMITS OF 45 MPH OR GREATER

$L = WS$

WHERE: L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED LIMIT

MAINTENANCE OF TRAFFIC REQUIREMENTS

1. ANY MODIFICATION OF THIS MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE CITY OF JACKSONVILLE, TRAFFIC ENGINEERING DIVISION FOR RE-REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
2. THE PROJECT WORK HOURS SHALL BE BETWEEN 7:00 AM AND 7:00 PM ON RESIDENTIAL STREETS AND 9:00 AM AND 4:00 PM ON COLLECTOR OR ARTERIAL STREETS.
3. NO LANE CLOSURES ARE ALLOWED FROM 7:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM MONDAY THROUGH FRIDAY.
4. CONTRACTOR MUST MAINTAIN EXISTING SIGNAGE. IF SIGNS ARE DAMAGED DUE TO THIS ACTIVITY, THE CONTRACTOR IS REQUIRED TO REPLACE THEM IMMEDIATELY IN ACCORDANCE WITH CURRENT CITY STANDARD SPECIFICATION IMMEDIATELY.
5. THIRTY FOOT PADS ARE REQUIRED AT ALL INTERSECTIONS WHERE THE ROADWAY IS RESURFACED.
6. ACCESS TO ALL STREETS AND DRIVEWAYS TO BE MAINTAINED AT ALL TIMES.
7. IF SIDEWALKS ARE DISTURBED AND HAVE TO BE REPLACED, HANDICAP RAMPS ARE TO BE INSTALLED.
8. THE CONTRACTOR SHALL CONFINE HIS WORK AREA TO NO MORE THAN ONE BLOCK AT A TIME.
9. THE ROADWAY SHALL BE RESTORED TO AT LEAST A LIME ROCK SURFACE BEFORE IT IS REOPENED TO TRAFFIC, AND BEFORE THE CONTRACTOR MOVES ON TO THE NEXT CONSTRUCTION ZONE.
10. DUST CONTROL MEASURES SHALL BE IMPLEMENTED ON ALL UNPAVED SURFACES UNTIL PAVED.
11. WHERE CONSTRUCTION PHASING IS NOT SHOWN ON PLANS, OR IF THE CONTRACTOR WANTS TO ALTER THE PHASING SHOWN, CONTRACTOR IS TO SUBMIT PHASING PLAN WITH A PROPOSED CONSTRUCTION SCHEDULE TO TRAFFIC ENGINEERING PRIOR TO CONSTRUCTION.
12. CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEERING, RONALD THISPEN (904-630-0[illegible]) OR MAIN OFFICE (904-630-[illegible]) A MINIMUM OF 5 WORKING DAYS PRIOR TO IMPLEMENTATION OF THE MOT.
13. TRAFFIC SIGNAL VEHICLE LOOPS SHALL BE RESTORED TO PROPER OPERATION WITHIN 36 HOURS OF BEING DESTROYED OR DAMAGED. CONTACT MARCH BOYD AT 904-764-[illegible] A MINIMUM OF 48 HOURS PRIOR TO WORKING NEAR A SIGNALIZED INTERSECTION.

GNA
Gulf Navigation Group
Consulting Engineers
[illegible] PORTLAND PARKWAY
SUITE 100
JACKSONVILLE, FLORIDA 32256
PHONE (904) 573-7779
FAX (904) 573-7774
www.gnaengineering.com
C. S. MS. Bullis

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS
Bard Norman Brady Architects
[illegible] Bay Street, Suite 300
Jacksonville Beach, FL 32250
Phone 904-241-1117
www.enbarchitects.com
FL License Number: AA0003756
Auld & White Constructors
[illegible] Southpoint Pkwy., Suite 100
Jacksonville, FL 32216
Phone 904-296-[illegible]
www.auld-white.com

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

REV. NO.	DATE	REMARKS	REV. NO.	DATE	REMARKS
1			4		
2			5		
3			6		

SCALE: NONE

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE: 5/21/2018
DRAWN BY: JPW
PROJECT: CIB-BCCB-15

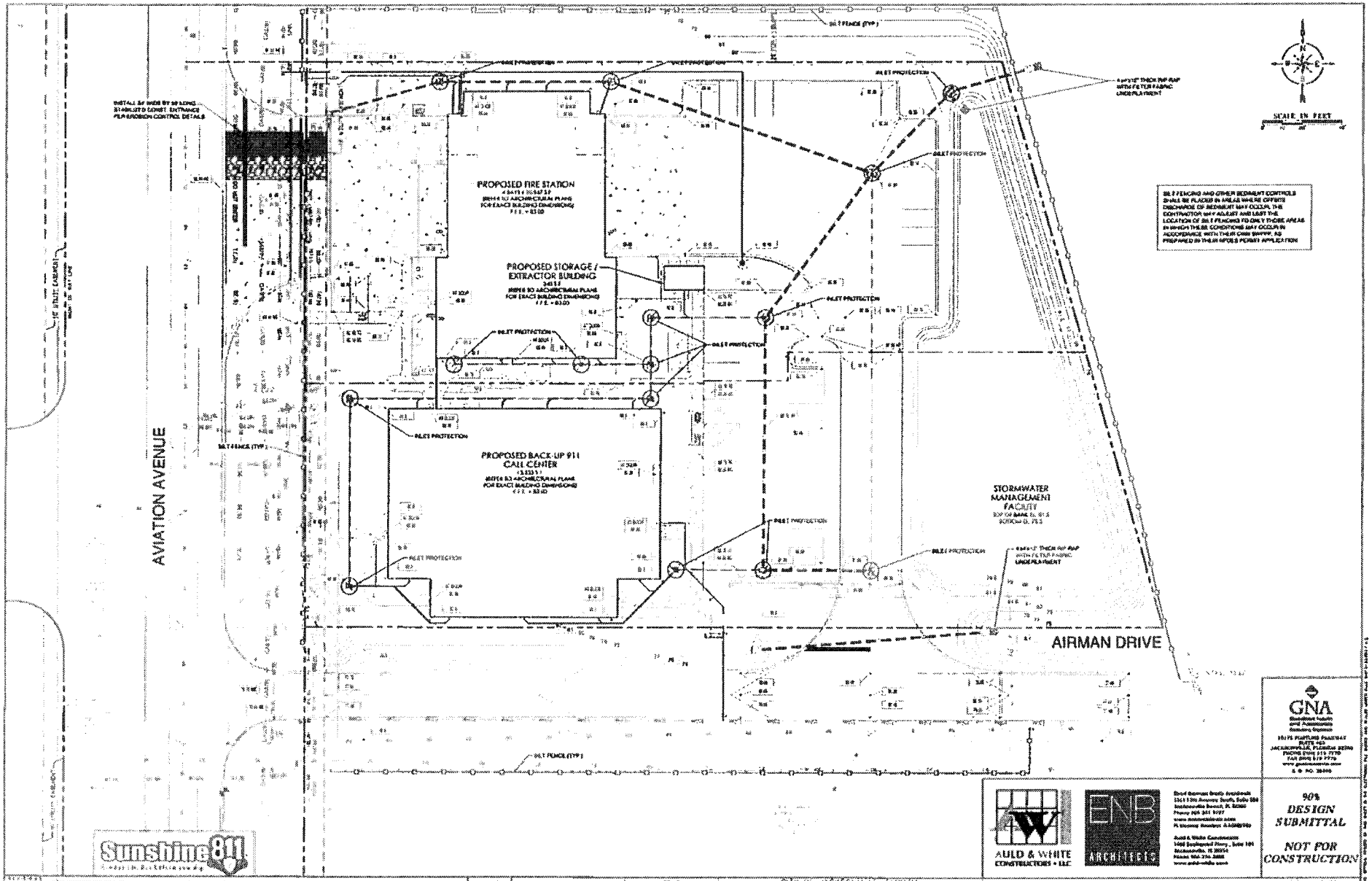
FIRE STATION #73

4861 AVIATION AVENUE, JACKSONVILLE, FL

MAINTENANCE OF TRAFFIC PLAN

SHEET NO. C3.5

EXHIBIT D-7



GNA

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

SCALE: 1" = 20'

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE: 3/21/2018

DRAWN BY: PM

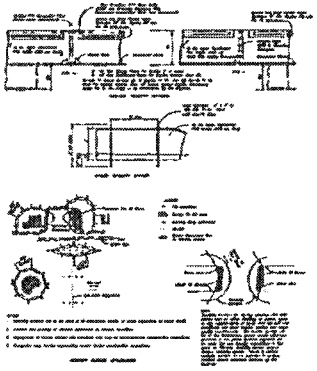
PROJECT #: 1000-0000-16

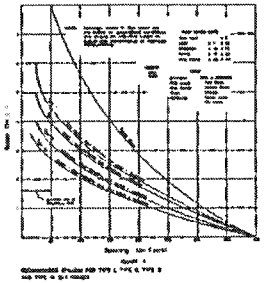
FIRE STATION #73

6616 AVIATION AVENUE, JACKSONVILLE, FL

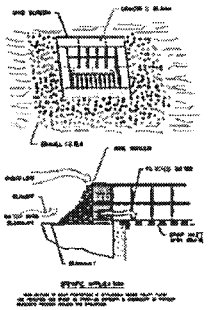
STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. C4.0

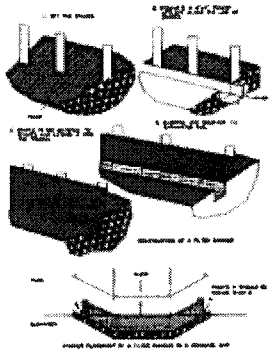




SPACING RECOMMENDATION FOR SILT FENCES

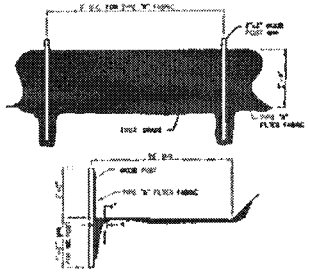


BLOCK + GRAVEL DROP INLET SEDIMENT FILTER

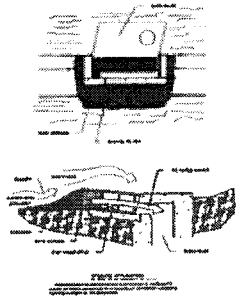


FILTER BARRIER CONSTRUCTION DETAIL

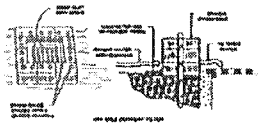
OUTLET PROTECTION

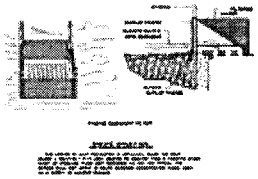


TEMPORARY SILT FENCE

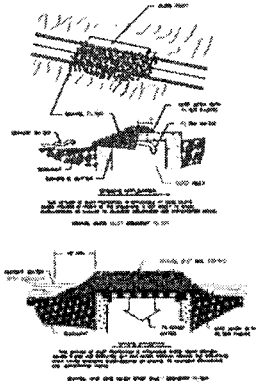


BLOCK + GRAVEL CURB INLET SEDIMENT FILTER

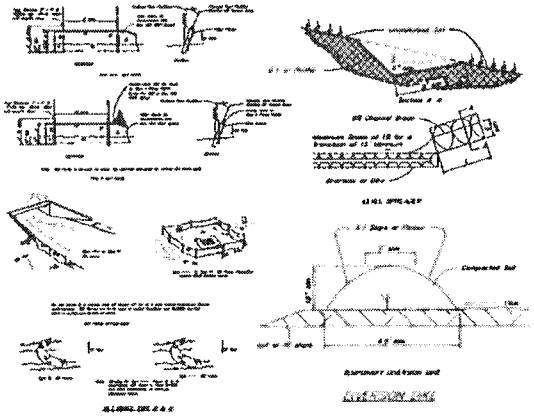




DROP INLET SEDIMENT TRAP



GRAVEL INLET SEDIMENT TRAP



GNA

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

SCALE: NONE

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

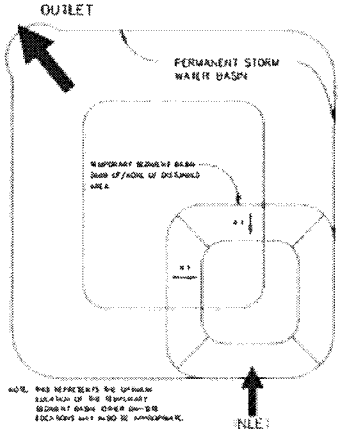
DATE: 3/29/2016 | DRAWN BY: JPM | PROJECT #: CDS-0208-16

FIRE STATION #73
4840 AVIATION AVENUE, JACKSONVILLE, FL
EROSION CONTROL DETAILS

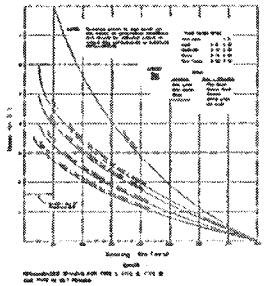
SHEET NO.: C4.1

SEEDING MIXTURES, RATES AND DATES

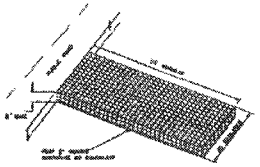
TEMPORARY SEEDING PLANT MATERIALS



TEMPORARY SEDIMENT BASIN



SPACING RECOMMENDATION FOR SILT FENCES



STABILIZED CONSTRUCTION ENTRANCE

GNA

GULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

REV. NO.	DATE	REVISION	REV. NO.	DATE	REVISION

SCALE: NONE

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
8/31/2018	JPM	CDB-0008-16

FIRE STATION #73

8846 AVIATION AVENUE, JACKSONVILLE, FL

EROSION CONTROL DETAILS

SHEET NO. C4.2

EXHIBIT C.2

OWNERS REQUIREMENTS

Site Description

Erosion and Sediment Control Notes

Project name and location
FIRE STATION #73
4 AVIATION DRIVE
JACKSONVILLE, FLORIDA

Owner Name and Address
CITY OF JACKSONVILLE
214 N. JULIA STREET
JACKSONVILLE, FLORIDA 32202

Description:
FOUR BAY FIRE STATION AND BACK UP 911 CALL CENTER

Latitude & Longitude:
Lat. 30° 19 24.3" N
Long. 81° 32' 54.9" W

Soil disturbing activities will include:
EARTHWORK, BUILDING PAD, PARKING AREA AND ASSOCIATED INFRASTRUCTURE

Runoff Curve Numbers:
1. Pre Construction = 87
2. During Construction = 91
3. Post Construction = 81

Soils:
Soil Groups: 14 BOULOGNE, 22 EVERGREEN-WEKIVA-NINTY

Site Maps:
1. See Demo and Paving & Drainage Plans for grading, areas of soil disturbance and stormwater discharge points.
2. See attached SWPPP for location of temp. construction entrance and silt fences.
3. See SWPPP details and notes for requirements for temporary and permanent stabilization.

Site Area:
1. Total area of site = 2.10 acres
2. Total area to be disturbed = 1.0 acre

Name of receiving waters:
JONES CREEK

1. Anticipated start of construction: JULY 2016
2. Anticipated end of construction: JUNE 2018

Controls

This plan utilizes best management practices to control erosion and turbidity caused by storm water run off. An erosion and turbidity plan has been prepared to outline the methods to implement at these locations. It is the contractors responsibility to install and maintain the controls per plan as well as ensuring the plan is providing the proper protection as required by federal, state and local laws. Refer to "Contractors Responsibility" for a verbal description of the controls that may be implemented.

North State Management

Site Sweep shall be required downstream of all soil disturbance areas. Temporary sediment basins will be installed as needed to provide additional turbid runoff controls. A stormwater treatment pond (pond) will be constructed to provide permanent stormwater runoff treatment / storage. There are no single point discharges created by this project.

Timing of Controls / Measures

Refer to "Contractors Requirements" for the timing of implementation.

Certification of Compliance with Federal, State and Local Regulations

In accordance with federal, state and local laws related to storm water management and erosion and turbidity control, the following permits have been obtained prior to the commencement of construction:

D.E.P. Dredge & Fill Permit #
C.O.E. Dredge & Fill Permit #
S.J.R.W.M.D. M.S.G.P. Permit #
N.P.D.E.S. Permit #

Pollution Prevention Plan Certification

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

Signature: _____
Owner/Manager

Date: _____

CONTRACTOR'S REQUIREMENTS

General

The contractor shall at a minimum implement the contractor's requirements outlined below and those measures shown on the Erosion and Turbidity Control Plan. In addition the contractor shall undertake additional measures required to be in compliance with applicable permit conditions and state water quality standards. Depending on the nature of implement and methods of construction the contractor may be required to add measures to the retention system prior to placing the system into operation.

Sequence of Major Activities

The order of activities will be as follows:

1. Install approved construction entrance.
2. Install silt fences and hay bales as required.
3. Clear and grub the diversion improvements and sediment basin.
4. Construct stormwater basin.
5. Continue clearing and grubbing.
6. Rough pile top soil & mulched.
7. Perform preliminary grading on site as required.
8. Stabilize disturbed areas and stockpiles as soon as practicable.
9. Install utilities, storm sewer, water & gallon.
10. Apply base lift (paving).
11. Complete grading and install permanent sedimentation and grassing.
12. Complete final paving.
13. Remove accumulated sediment from basins.
14. Upon completion activity is complete and the site is stabilized, remove any temporary diversion embankments and reconstruct as required.

Timing of Controls / Measures

As indicated in the Sequence of Major Activities, the silt fences and hay bales, stabilized construction entrance and sediment basin will be constructed prior to clearing or grading of any other portions of the site. Stabilization measures shall be initiated as soon as practical in portions of the site where construction activities have temporarily or permanently ceased. Once construction activity ceases permanently in an area, that area will be immediately permanently or temporarily stabilized. After the entire site is stabilized, the accumulated sediment will be removed from the sediment traps and the earth structure will be regraded/smoothed and stabilized in accordance with the Erosion & Turbidity Control Plan.

Controls

It is the contractors responsibility to implement the Erosion and Turbidity Controls as shown on the Erosion and Turbidity Control Plan. It is also the contractors responsibility to ensure these controls are properly installed, maintained and functioning properly to prevent turbid or polluted water from leaving the project site. The contractor will adjust the Erosion and Turbidity Controls shown on the Erosion and Turbidity Control Plan and add additional control measures, as required, to ensure the site meets all federal, state and local erosion and turbidity control requirements. The following best management practices will be implemented by the contractor as required by the Erosion and Turbidity Control Plan and as required to meet the erosion and turbidity requirements imposed on the project site by the regulatory agencies.

Erosion and Sediment Control
Best Management Practices

1. Hay Bale Barrier: Hay bale barriers can be used before disturbed areas subject to sheet and rill erosion with the following limitations.
   A. Where the maximum slope behind the barrier is 33 percent.
   B. In areas around or ditch lines where the maximum contributing drainage area is no greater than 3 acres.
   C. Where effectiveness is needed for less than 3 months.
   D. Every effort should be made to limit the use of straw bale barriers constructed in live streams or to avoid where due to the possibility of a washout. If necessary, removal shall be taken to prevent further losses to State property and fish.
2. Silt Fence Barrier: Silt fence barriers can be used behind disturbed areas subject to sheet and rill erosion with the following limitations.
   E. Where the maximum slope behind the barrier is 33 percent.
   F. In areas around or ditch lines where the maximum contributing drainage area is no greater than 3 acres.
3. Straw Bales and Silt Fence: Straw bales may be used behind disturbed areas subject to sheet and rill erosion where enough residue material is available on site.
4. Level Spreader: A level spreader may be used where sediment has been trapped in impounded and diverted away from the disturbed areas into undisturbed stabilized areas. This practice applies only at those situations where the spreader can be constructed on undisturbed soil and the lines below the level of a stabilized. The level should not be allowed to concentrate after release.
5. Stockpiling Material: No excavated material shall be stockpiled in such a manner as to direct runoff directly off the ground site into any adjacent water body or storm water collection facility.
6. Exposed Area Limitations: The surface area of bare, non vegetated and exposed to blowing and grubbing operations or excavated and filling operations shall not exceed 10 acres. This requirement may be waived for large projects with an Erosion Control Plan which demonstrates that grubbing of additional areas will not significantly affect off site deposit of sediments.
7. Inlet Protection: Inlets and catch basins which discharge directly off site shall be protected from sediment from storm runoff and any percolation of groundwater operations that may contribute pollutant to the inlet.
8. Temporary Seeding: Areas opened by construction operations and that are not anticipated to be re-excavated or disturbed and receive final grading treatment within 60 days shall be seeded with a quick growing grass species which will provide an early cover during the season in which it is planted and will not later compete with the permanent grassing.

Controls (Cont)

9. Temporary Bedding and Mulching: Mulch blanket Mat 8.1 that will allow the subsoil established in Paragraph 8 above shall additionally receive mulching of approximately 2 inches loose measure of match material and into the soil of the seeded area adequate to prevent blowdown of seed and mulch.
10. Temporary Grassing: The seeded or sodded and mulched areas shall be rolled and watered or hydroseeded or other suitable methods if required to achieve optimum growing conditions for the establishment of a good green cover. Temporary grassing shall be the same rate & amount required for permanent grassing in the overall specifications.
11. Temporary regrassing: If, after 14 days from seeding, the temporary grassed areas have not attained a minimum of 85 percent uniform good grass cover, the area will be renovated and additional seed applied sufficient to establish the desired vegetated cover.
12. Maintenance: All features of the project designed and constructed to prevent erosion and sediment shall be maintained during the life of the construction so as to function as they were originally designed and constructed.
13. Permanent Erosion Control: The erosion control facilities of the project should be designed to minimize the impact on the offsite facilities.
14. Permanent Seeding: All areas which have been disturbed by construction, use or maintenance, be seeded. This seeding shall provide both long term vegetation and rapid growth assisted vegetation. Source sweeper Mat 6.1 shall be removed and mulched or installed.

Structural Controls

1. Temporary Diversion Dike: Temporary diversions dikes may be used to divert runoff through a sediment trapping facility.
2. Temporary Sediment Trap: A sediment trap shall be installed in an impounding or a stream drain inlet or at other points of discharge from a disturbed area.

The following sediment traps may be constructed either independently or in conjunction with a temporary diversion dike:

A. Basin & Drained Sediment Filter: This protection is applicable where heavy concentrations flows enter where an excess capacity is necessary to prevent excessive sediment deposit the structure.
B. Ground Sediment Trap: This protection is applicable where heavy concentrations flows and movement, but not where ponding ground the structure might create excessive maintenance or damage to adjacent structures & unsatisfactory areas.
C. Deep Basin Sediment Trap: This protection is applicable where the area drains a relatively flat area (S = 2%) and where ground or overland flows (Q < 0.5 CFS) are typical. This method shall not apply to areas receiving concentrated flows such as in street or highway ditches.

3. Outlet Protection: Applicable to the outlets of all pipes and paved channel systems where the flow could create excess velocities at the discharge point to the receiving water body. Silt fences & hay bales are to be installed downstream downstream of the discharging structure as shown on the Outlet Protection Details.
4. Sediment Basin: Will be constructed at the common drainage locations that serve an area with 10 or more disturbed acres at one time. The proposed storm water permits for temporary ponding will be constructed for use as sediment basins. These sediment basins must provide a minimum of 3,600 cubic feet of storage per acre drained until final stabilization of the site.

Note:
The 3600 cubic feet of storage area per acre drained does not apply to areas from offsite areas that have been grass lined and are either established or have emergence that establishes where such flows are diverted around both the disturbed area and the sediment basin. Any temporary sediment basins constructed must be located and appropriate in accordance with the specifications for structural fill. All sediment removed or permanent or temporary sediment traps must be removed upon final stabilization.

Other Controls

Trash Disposal

All waste materials except land clearing debris shall be collected and placed in a suitable lined metal dumpster. The dumpster will have all lids and tarps solid waste management regulations. The dumpster will be emptied as required and the trash will be hauled to a state approved landfill. All personnel will be instructed regarding the correct procedures for waste disposal. Various existing trash practices will be posted at the construction site by the construction superintendent, the individual who manages the day to day site operations, will be responsible for seeing that these procedures are followed.

Hazardous Waste

All hazardous waste materials will be disposed of in the manner specified by local or state regulations or by the manufacturer. Site personnel will be instructed in these procedures and the site Superintendent, the individual who manages the day to day site operations, will be responsible for seeing that these procedures are followed.

Sanitary Waste

All Sanitary Waste will be collected from the portable units as needed to prevent unsanitary conditions. The waste will be removed and disposed of as maintenance units clean and have waste disposal responsibility for portable sewer or septic systems.

Other Vehicle Tracking

A constructed construction entrance will be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance will be swept daily to remove any excess mud, dirt or rock displaced from the site. During periods leaving, equipment from the construction site will be cleaned with a tarpaulin.

Inventory for Pollution Prevention Plan

The materials or substantial items listed are expected to be present onsite during construction:

☐ Concrete	☐ Fertilizer	☐ Wood
☐ Asphalt	☐ Petroleum Based Products	☐ Masonry Blocks
☐ Tar	☐ Cleaning Solvents	☐ Roofing Materials
☐ Detergents	☐ Paint	☐ Metal Studs
☐ _____	☐ _____	☐ _____

Spill Prevention

Material Management Practices

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff:

Good Housekeeping

The following good housekeeping practices will be followed onsite during the construction project:

1. An effort will be made to store only enough product required to do the job.
2. All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
3. Products will be kept in their original containers with the original manufacturer's label.
4. Substances will not be mixed with one another unless recommended by the manufacturer.
5. Whenever possible, all of a product will be used up before disposing of the container.
6. Manufacturer's recommendations for proper use and disposal will be followed.
7. The site Superintendent will inspect daily to ensure dumpsters areas receive proper use and disposal.

Hazardous Products

These practices are used to reduce the risks associated with hazardous materials:

1. Products will be kept in original containers unless they are not resealable.
2. Original labels and material safety data will be retained; they contain important product information.
3. If surplus product must be disposed of, manufacturer's or local and state recommended methods for proper disposal will be followed.

Product Specific Practices

The following product specific practices will be followed onsite:

Petroleum Products

All onsite vehicles will be monitored for spills and routine regular preventative maintenance to ensure this shortcut of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any washed substances used onsite will be applied according to the manufacturer's recommendations.

Fertilizers

Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered area. The contents of any partially used bags of fertilizer will be transferred to a suitable plastic bin to avoid spills.

Paints

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed of according to manufacturers instructions or state and local regulations.

Concrete Trucks

Washing of vehicles should be conducted using facilities that will prevent direct, concentrated discharges of wastewater and flushes washed to earthen and paved sections. A designated area must be located consistently to washing vehicles that will be used with filter fabric, washed stone (DOT grade) #5 and will drained into lined basin.

Spill Control Practices

In addition to the good housekeeping and material management practices discussed in this previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

Manufacturers' recommended methods for spill cleanup will be closely followed as well and the personnel will be made aware of the procedures and the location of the information and chemical supplies.

Materials and equipment necessary for spill cleanup will be kept in the materials storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, liquid absorbent (i.e. kitty litter or sawdust, sand, sawdust, and shovels and metal trash containers specifically for this purpose.

All spills will be cleaned up immediately after discovery.

The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.

Spill of toxic or hazardous material will be reported to the appropriate state or local government agency, regardless of the size of the spill.

The spill prevention plan will be adjusted to include measures to prevent the type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.

Spill Prevention (Cont)

The site Superintendent responsible for the day to day site operations, will be the spill prevention and cleanup coordinator trained with designated at least one other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the materials storage area and if applicable, in the office trailer onsite.

Maintenance / Inspection Procedures

Erosion and Sediment Control Inspection and Maintenance Practices

The following are inspection and maintenance practices that will be used to maintain erosion and sediment controls:

1. No more than 10 acres of the site will be disturbed at any time without written permission from the engineer.
2. All control measures will be maintained by the Superintendent, the person responsible for the day to day site operations or personnel appointed by the Superintendent, at least once a week and following any storm event of 0.25 inches or greater.
3. All turbidity control measures will be maintained in good working order. If a repair is necessary, it will be initiated within 24 hour of notice.
4. Silt up sediment will be removed from silt fence when it has reached one-third the height of the fence.
5. Silt fences will be inspected for depth of sediment, tears, to see if the fabric is properly attached to the fence posts, and to see that the fence posts are firmly in the ground.
6. Diversion dikes/berms will be inspected and any breaches promptly repaired.
7. The sediment basins will be inspected for the depth of sediment, and built up sediment will be removed when it reaches 10 percent of the design capacity or at the end of the job, whichever comes first.
8. Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.
9. A stabilization inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached. The reports will be kept on site during construction and available upon request by the Owner, Engineer or any federal, state or local agency approving authority and utilities plans, or storm water management plans. The reports shall be made and retained on file at the same water pollution prevention plan for at least three years from the date that the site is finally stabilized and the Notice of Termination is submitted. The reports shall identify any violations of non compliance.
10. The site Superintendent will lead up to three individuals who will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.
11. Personnel responsible for inspection and maintenance responsibilities will receive training from the site Superintendent. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

Non Storm Water Discharges

It is expected that the following non-storm water discharges will occur from the site during the construction period:

1. Water from water line flushing
2. Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred)
3. Uncontaminated groundwater (from dewatering excavations)

All non storm water discharges will be detained in the sediment basin prior to discharge.

Contractors Certification

"I certify under penalty of law that I understand, and comply with the terms and conditions of the State of Florida generic permit for stormwater discharge to large and small construction activities and the stormwater pollution prevention plan prepared thereunder."

RESPONSIBILITY FOR I. & M.	Spring Contractor	Sub Contractor	Sub Contractor	Sub Contractor	Sub Contractor	Sub Contractor
SIGNATURE						
DATE						
SIGNATURE						

GNA
Gonzalez Nagle and Associates
Consulting Engineers
10175 CENTURY PARKWAY
SUITE 100
JACKSONVILLE, FLORIDA 32256
PHONE (904) 519-7770
FAX (904) 519-7775
www.gonzaleznagle.com
G. & N. No. 2016-

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS

Brent Bowman Brady Architects
3351 13th Avenue South, Suite 100
Jacksonville Beach, FL 32250
Phone 904 241 1717
www.bbaarchitects.com
FL License Number: AA0003766

Auld & White Constructors
1400 Southpoint Pkwy., Suite 100
Jacksonville, FL 32216
Phone 904 296-2000
www.auld-white.com

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

REVISIONS				
NO.	DATE	BY	DESCRIPTION	
1				
2				
3				
4				

SCALE: NONE

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
3/29/2016	JPM	CDB-0006-16

FIRE STATION #73
4045 AVIATION AVENUE, JACKSONVILLE, FL
NPDES DETAIL SHEET #1

SHEET NO. C4.3

PROJECT FIRE STATION #73

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
TO BE COMPLETED EVERY 7 DAYS AND WITHIN 24 HOURS OF
A RAINFALL EVENT OF 0.25 INCHES OR MORE

INSPECTOR ..... DATE .....

INSPECTOR'S QUALIFICATIONS .....

DATE SINCE LAST RAINFALL ..... AMOUNT OF LAST RAINFALL ..... INCHES

STABILIZATION DEVICES

INSPECTION AREA DESCRIPTION OF LOCATION	DATE SINCE LAST INSPECTED	DATE OF NEXT INSPECTION	STANDARD (YES/NO)	STANDARDS MET	CONDITION

STABILIZATION REQUIRED

TO BE PERFORMED BY ..... ON OR BEFORE .....

PAGE 1 OF 4

PROJECT FIRE STATION #73

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

STRUCTURAL CONTROLS

DATE .....

SWALES/BERMS

BMP OR PHASE	FROM	TO	IS BMP/PHASE STANDARD ?	IF NOT, EVIDENCE OF SEDIMENT ON SITE/TERRITORY

MAINTENANCE REQUIRED FOR SWALES/BERMS

.....

TO BE PERFORMED BY ..... ON OR BEFORE .....

CATCH BASIN/DRAIN INLET/MUFFLE SUMPS/FF CONTROLS

STRUCTURAL OUTFALL	ARE SUMPS/FF CONTROLS IN PLACE	ARE EVIDENCE OF CLOGGING/POLLUTION ON SUMPS/BASINS ?	ARE SUMPS/FF CONTROLS IN NEED OF REPLACING	DOES SUMP NEED TO BE CLEANED FROM ANCHOR CONTROL

MAINTENANCE REQUIRED FOR CATCH BASIN/DRAIN INLET/MUFFLE SUMPS/FF CONTROLS

.....

TO BE PERFORMED BY ..... ON OR BEFORE .....

PAGE 2 OF 4

PROJECT FIRE STATION #73

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

DEPTH OF SEDIMENT IN BASIN	DEPTH OF SEDIMENT BASIN	ARE EVIDENCE OF SEDIMENTATION OF THE ENVIRONMENT ?	EXPLANATION OF SEDIMENT FROM SEDIMENT BASIN

MAINTENANCE REQUIRED FOR SEDIMENT BASIN

.....

TO BE PERFORMED BY ..... ON OR BEFORE .....

SINKS CONTROLS

STANDARD CONSTRUCTION ENTRANCE

DOES SINK SEDIMENT NOT TRACKED ON TO ROADS ?	IS THE SEDIMENT CLEAN OR IS IT FILLED WITH SEDIMENT	DOES ALL SEDIMENT ARE THE STANDARD IN ENTRANCE OR LEAVE THE SITE ?	IS THE CONTROL DEVICE THE STANDARD ENTRANCE ACCORDING TO APPLICABLE?

MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE

.....

TO BE PERFORMED BY ..... ON OR BEFORE .....

PAGE 3 OF 4

PROJECT FIRE STATION #73

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM

CHANGES REQUIRED TO THE POLLUTION PREVENTION PLAN

.....

REASONS FOR CHANGES

.....

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

SIGNATURE .....

DATE .....

PAGE 4 OF 4

GNA
Geotechnical Materials and Assessment
Consulting Engineers
14170 POSTHUME PARKWAY
SUITE 100
JACKSONVILLE, FLORIDA 32258
PHONE (904) 619 7700
FAX (904) 619 7776
www.gnaengineers.com
E.B. NO. 26384

AULD & WHITE CONSTRUCTORS • LLC

ENB ARCHITECTS
Elliot Erickson Brady Architects
1261 11th Avenue South, Suite 320
Jacksonville Beach, FL 32250
Phone 904 241 1973
www.eebarchitects.com
FL License Number AA0003496

Auld & White Constructors
1400 Southpoint Pkwy, Suite 101
Jacksonville, FL 32216
Phone 904-296-0004
www.auld-white.com

90% DESIGN SUBMITTAL

NOT FOR CONSTRUCTION

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

SCALE: NONE

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
3/31/2009	JPW	0206-0008-15

FIRE STATION #73

1441 AVIATION AVENUE, JACKSONVILLE, FL

NPDES DETAIL SHEET #2

SHEET NO. C4.4

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 Fire Station No. 73 Project in accordance with subject bid.

Recommend approval of award to Auld & White Constructors, LLC, for the Guaranteed Maximum Price in the amount of $163,264.00 for Fire Station No. 73 for 60% Design Development, per "Exhibit A" and allowing for the completion of work 97 days from notice to proceed .

Funding for this project to be executed by Amendment 2A for contract # 9182-03 and encumbered by account: FRCP32EFS-069505-FR0051-01

Attachments: Recommendation Memo, Exhibit "A", Previous Award(s)

BUYER _____ MARILYN LAIDLER

RESPECTFULLY SUBMITTED _____ GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: **Tom 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 Ø DATE: 10/19/17

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 10/19/17

APPROVED _____ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of:
Executive Order No. 2015-05

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. Eichan

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 6/16/16

APPROVED ✓ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION

Sam E. Mousa
Chief Administrative Officer
For Mayor Lenny Curry
Under Authority of:
Executive Order No. 2015-05

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 _____

John E. Yousa
Chief Administrative Officer
For Mayor Lenny Curry
City of
2015-05

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. Mousa
Chief Administrative Officer
For Mayor Lenny Curry
Under Authority of
Executive Order No. 2015-(

QWS3270X 4/30/2018 3:32 PM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 04/30/2018
LINK TO: ACCOUNT SUMMARY INQUIRY 3:31 PM

FISCAL MO/YEAR : 07 2018 CURRENCY CODE :
INDEX CODE : FRCP32EFS FIRE STATIONS CAPITAL PROJECTS
SUBOBJECT : 069505 DM-OTHER CONSTRUCTION COSTS
PROJECT : FR0051 FIRE STATION #73
PROJECT DETAIL : 01 FIRE STATION #73 CONSTRUCTION
GRANT :
GRANT DETAIL :
USER CODE :

S	APR 2018	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	.00	2,150,000.00
EXPENDITURES	59,419.00	166,380.70	169,538.85
ENCUMBRANCES	-59,419.00	8,047.83	24,062.00
PRE-ENCUMBRANCES	.00	.00	.00
REMAINING BALANCE	.00	-174,428.53	1,956,399.15

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO
G005 - PRIOR RECORD DISPLAYED

QWS3270X 4/30/2018 3:32 PM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 04/30/2018
LINK TO: ACCOUNT SUMMARY INQUIRY 3:32 PM

FISCAL MO/YEAR : 07 2018 CURRENCY CODE :
INDEX CODE : FRCP32EFS FIRE STATIONS CAPITAL PROJECTS
SUBOBJECT : 06505 OTHER CONSTRUCTION COSTS
PROJECT : FR0051 FIRE STATION #73
PROJECT DETAIL : 01 FIRE STATION #73 CONSTRUCTION
GRANT :
GRANT DETAIL :
USER CODE :

S	APR 2018	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	.00	1,631,513.00
EXPENDITURES	.00	.00	.00
ENCUMBRANCES	.00	.00	.00
PRE-ENCUMBRANCES	.00	.00	.00
REMAINING BALANCE	.00	.00	1,631,513.00

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO
G005 - PRIOR RECORD DISPLAYED