RESOLUTION NO. 2024-256

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, APPROVING THE TERMS, PROVISIONS, CONDITIONS AND REQUIREMENTS OF A CONSTRUCTION AGREEMENT BETWEEN THE BOARD OF. COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA AND THE FLORIDA DEPARTMENT OF TRANSPORTATION RELATING TO THE A1A MASTER LIFT STATION PROJECT, AND AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO EXECUTE THE AGREEMENT ON BEHALF OF THE COUNTY.

WHEREAS, the State of Florida, Department of Transportation ("FDOT") currently owns property located at 3047 A1A South, in St. Johns County, Florida, Parcel ID No. 172390-0020 ("subject property"), presently utilized as a stormwater facility for A1A; and

WHEREAS, the St. Johns County Utility Department ("Utility") has identified the subject property as a location for the installation and construction of a sewer lift station and related facilities ("Project"), which will require a construction agreement and other permissions and approvals from FDOT; and

WHEREAS, to construct the Project that is within the FDOT right-of-way, FDOT requires the County to enter into a Construction Agreement; and

WHEREAS, the County determines that entering into the Construction Agreement serves a public purpose and is in the best interest of the public and the County.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, as follows:

- **Section 1.** The above Recitals are hereby incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.
- **Section 2.** The Board of County Commissioners of St. Johns County, Florida hereby approves the terms, conditions, provisions, and requirements of the Construction Agreement between St. Johns County and Florida Department of Transportation, and authorizes the County Administrator, or designee, to execute the agreement on behalf of the County, in substantially the same form and format as attached hereto.
- **Section 3.** If there are typographical or administrative errors or omissions that do not change the tone, tenor, or context of this Resolution, this Resolution may be revised without subsequent approval of the Board of County Commissioners.
- **Section 4.** This Resolution shall be effective upon adoption by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 18th day of June, 2024.

| | BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA | | |
|----------------------------|---|--|--|
| Rendition DateJUN 2 1 2024 | By: | | |

ATTEST: Brandon J. Patty, Clerk of the Circuit & Comptroller

By: Crustal Suth
Deputy Clerk



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION AGREEMENT

850-040-89 MAINTENANCE 0GC - 10/23

| Construction Agreement No.: 2023-C-297-00004 |
|--|
| THIS CONSTRUCTION AGREEMENT ("Agreement") is made and entered into by and between the State of Florida, Department of Transportation, 3600 DOT Rd St Augustine FL 32084 |
| (hereinafter referred to as the "DEPARTMENT") and Saint Johns County 500 San Sebastian View St Augustine FL 32084 (hereinafter referred to as the "Construction Coordinator"). |
| WITNESSETH: WHEREAS, the DEPARTMENT is authorized and required by Section 334.044, Florida Statutes, to coordinate the planning, development, and operation of the State Highway System; and |
| WHEREAS, pursuant to Section 20.23(6), Florida Statutes, the DEPARTMENT is authorized to contract with local governmental entities and with the private sector under specific circumstances; and |
| WHEREAS, Section 339.282, Florida Statutes, provides incentives to private sector entities that finance, construct, and improve public transportation facilities; and |
| WHEREAS, pursuant to Section 334.175(2), Florida Statutes, the DEPARTMENT is required to review the Project's design plans for compliance with Department design standards; and |
| WHEREAS, the Construction Coordinator proposes to construct certain improvements to State Property located at 3047 A1A South, in St Johns County, Florida, Parcel ID No. 172390-0020 Local Name <u>SR A1A Storm Water Facility</u> located in <u>St Johns</u> County (hereinafter referred to as the "Project"); and |
| WHEREAS, the parties desire to enter into this Agreement for the Construction Coordinator to make improvements within the DEPARTMENT'S right of way to construct the Project, which will become the property of the DEPARTMENT upon acceptance of the work. |
| NOW, THEREFORE, based on the premises above, and in consideration of the mutual covenants contained herein, the parties |

hereby agree that the construction of the Project shall proceed in accordance with the following terms and conditions:

- The recitals set forth above are specifically incorporated herein by reference and made a part of this Agreement. The Construction Coordinator is authorized, subject to the conditions set forth herein, to enter the DEPARTMENT'S right of way to perform all activities necessary for the construction of Sewer Lift Station See attached Exhibit A Scope of Services/Special Provisions/Plans.
- The Project shall be designed and constructed in accordance with the latest edition of the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction ("FDOT Standard Specifications"), FDOT Standard Plans and FHWA Manual on Uniform Traffic Control Devices ("MUTCD"). The following guidelines shall apply as deemed appropriate by the DEPARTMENT: the FDOT Structures Design Manual, AASHTO Guide Specifications for the Design of Pedestrian Bridges, AASHTO LRFD Bridge Design Specifications, the FDOT Design Manual, Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (commonly known as the "Florida Greenbook") and the FDOT Traffic Engineering Manual. The Construction Coordinator will be required to submit any construction plans required by the DEPARTMENT for review and written approval prior to any work being commenced. Should any changes to the plans be required during construction of the Project, the Construction Coordinator shall be required to notify the DEPARTMENT of the changes and receive written approval from the DEPARTMENT prior to the changes being constructed. The Construction Coordinator shall maintain the area of the Project at all times and coordinate any work needs of the DEPARTMENT during construction of the Project.
- In its sole discretion, the DEPARTMENT may reject designs which do not meet DEPARTMENT standards. The DEPARTMENT may also, in its sole discretion, allocate DEPARTMENT-managed resources, including structures engineers and/or project managers, to projects involving complex design structures and other design structures not commonly used by the DEPARTMENT. In addition, all complex bridges and bridge types not commonly used by the DEPARTMENT constructed via this Agreement will be monitored and inspected by DEPARTMENT personnel.
- The Construction Coordinator shall provide the DEPARTMENT a minimum of 2 business days' notice before beginning construction within DEPARTMENT right of way. The Construction Coordinator shall notify the DEPARTMENT should construction be suspended for more than 5 working days.
- Pursuant to Section 7-13 of the DEPARTMENT Standard Specifications, the Construction Coordinator is required to possess a general liability insurance naming the DEPARTMENT as an additional insured and insuring the DEPARTMENT and the Construction Coordinator against any and all claims for injury or damage to persons and property, and for the loss of life or property that may occur (directly or indirectly) by reason of the Construction Coordinator accessing DEPARTMENT right of way and the Construction Coordinator's performance of the Project. Such amount shall be carried in a minimum amount of not less than One Million and 00/100 Dollars (\$1,000,000.00) for bodily injury or death to any one person or any number of persons in any one occurrence, and not less than Fifty Thousand and 00/100 Dollars (\$50,000.00) for property damage, or a combined coverage of not less than One Million Fifty Thousand and 00/100 Dollars (\$1,050,000.00). Additionally, the Construction Coordinator shall supply the DEPARTMENT with a payment and performance bond in the amount of the estimated cost of construction, provided by a surety authorized to do business in the State of Florida, payable to the DEPARTMENT. The bond and insurance shall remain in effect until completion of construction and acceptance by the DEPARTMENT. Prior to commencement of the Project and on such other occasions as the DEPARTMENT may reasonably require, the Construction Coordinator shall provide the DEPARTMENT with

- certificates documenting that the required insurance coverage is in place and effective. If the Construction Coordinator is a governmental entity, they will be exempt from these requirements.
- 6. The Construction Coordinator shall be responsible for monitoring construction operations and Temporary Traffic Control (TTC) throughout the course of the Project in accordance with the latest edition of the FDOT Standard Specifications, Section 102, Maintenance of Traffic, and FDOT Standard Plans, 102-600 series. The Construction Coordinator is responsible for the development of a TTC Plan and making any changes to that plan as necessary. Any TTC plan developed by the Construction Coordinator that deviates from the FDOT Standard Plans must be signed and sealed by a professional engineer. TTC plans will require written approval by the DEPARTMENT prior to implementation.
- 7. The Construction Coordinator shall be responsible for locating all existing utilities, both aerial and underground, and for ensuring that all utility locations are accurately documented on the construction plans. All utility conflicts shall be fully resolved directly with the applicable utility.
- 8. The Construction Coordinator will be responsible for obtaining all permits that may be required by other agencies or local governmental entities.
- 9. The Construction Coordinator shall take emergency steps to close any public road whenever there is a risk to life, health and safety of the travelling public. The safety of the travelling public is the DEPARTMENT'S first priority. If lane or road closures are required to ensure the life, health, and safety of the travelling public, the Construction Coordinator must notify the District Maintenance Engineer and District Traffic Operations Engineer immediately once the travelling public are not at imminent risk. The DEPARTMENT expects professional engineering judgement be applied in all aspects of locally or privately delivered projects. Defect management and supervision of Project bridge structures components must be proactively managed, monitored, and inspected by DEPARTMENT prequalified structures engineer(s). The District Maintenance Engineer must be notified immediately of defect monitoring that occurs in the Project construction, whether or not the defects are considered an imminent risk to life, health, or safety of the travelling public. When defects, including but not limited to, structural cracks, are initially detected during bridge construction, the engineer of record, construction engineering inspector, design-build firm, or local agency that owns or is responsible for the bridge construction has the authority to immediately close the bridge to construction personnel and close the road underneath. The Construction Coordinator shall also ensure compliance with the DEPARTMENT Construction Project Administration Manual, Section 9.1.8 regarding actions for maintenance of traffic and safety concerns.
- 10. It is hereby agreed by the parties that this Agreement creates a permissive use only and all improvements resulting from this agreement shall become the property of the DEPARTMENT. Neither the granting of the permission to use the DEPARTMENT right of way nor the placing of facilities upon the DEPARTMENT property shall operate to create or vest any property right to or in the Construction Coordinator, except as may otherwise be provided in separate agreements. The Construction Coordinator shall not acquire any right, title, interest, or estate in DEPARTMENT right of way, of any nature or kind whatsoever, by virtue of the execution, operation, effect, or performance of this Agreement including, but not limited to, the Construction Coordinator's use, occupancy, or possession of DEPARTMENT right of way. The parties agree that this Agreement does not, and shall not be construed to, grant credit for any future transportation concurrency requirements pursuant to Chapter 163, Florida Statutes.
- 11. The Construction Coordinator shall perform all required testing associated with the design and construction of the Project. Testing results shall be made available to the DEPARTMENT upon request. The DEPARTMENT shall have the right to perform its own independent testing during the course of the Project.
- 12. The Construction Coordinator shall exercise the rights granted herein and shall otherwise perform this Agreement in a good and workmanlike manner, with reasonable care, in accordance with the terms and provisions of this Agreement and all applicable federal, state, local, administrative, regulatory, safety and environmental laws, codes, rules, regulations, policies, procedures, guidelines, standards, and permits, as the same may be constituted and amended from time to time, including, but not limited to, those of the DEPARTMENT, applicable Water Management District, Florida Department of Environmental Protection, Environmental Protection Agency, the Army Corps of Engineers, the United States Coast Guard, and local governmental entities.
- 13. The Construction Coordinator is responsible for the provision of Construction Engineering Inspection (CEI) services. The DEPARTMENT reserves the right to require the Construction Coordinator to hire a DEPARTMENT pre-qualified consultant firm that includes one individual that has completed the Advanced Maintenance of Traffic Level Training. Notwithstanding any provision of law to the contrary, design services and CEI services may not be performed by the same entity. Administration of the CEI staff shall be under the responsible charge of a State of Florida Licensed Professional Engineer who shall provide the certification that all design and construction for the Project meets the minimum construction standards established by DEPARTMENT. The DEPARTMENT shall have the right to approve the CEI firm. The DEPARTMENT shall have the right, but not the obligation, to perform independent assurance testing during the course of construction of the Project. Subject to the written approval of the DEPARTMENT, a local government agency may choose to satisfy the requirements set forth in this paragraph by either hiring a DEPARTMENT prequalified consultant firm or utilizing local government staff that meet the requirements of this paragraph, or a combination thereof.
- 14. If the DEPARTMENT determines a condition exists which threatens the public's safety, the DEPARTMENT may, at its discretion, cause construction operations to cease and immediately have any potential hazards removed from its right of way at the sole cost, expense, and effort of the Construction Coordinator. The Construction Coordinator shall bear all construction delay costs incurred by the DEPARTMENT.
- 15. All work and construction shall be completed within 365 days of the date of the last signature affixed to this agreement. If construction is not completed within this time, the DEPARTMENT may make a claim on the bond. The DEPARTMENT may terminate this

- Agreement at any time, with or without cause and without DEPARTMENT liability to the Construction Coordinator, by providing sixty (60) days' prior written notice of termination to the Construction Coordinator.
- 16. The Construction Coordinator shall be responsible for maintaining and restoring all features that might require relocation within the DEPARTMENT right of way.
- 17. The Construction Coordinator will be responsible for clean up or restoration required to correct any environmental or health hazards that may result from construction operations.
- 18. Upon completion of construction, the Construction Coordinator will be required to submit to the DEPARTMENT final as-built plans and an engineering certification that construction was completed in accordance with the Plans. Prior to the termination of this Agreement, the Construction Coordinator shall remove its presence, including, but not limited to, all of the Construction Coordinator's property, machinery, and equipment from DEPARTMENT right of way and shall restore those portions of DEPARTMENT right of way disturbed or otherwise altered by the Project to substantially the same condition that existed immediately prior to the commencement of the Project.
- 19. If the DEPARTMENT determines that the Project is not completed in accordance with the Provisions of this Agreement, the DEPARTMENT shall deliver written notification of such to the Construction Coordinator. The Construction Coordinator shall have thirty (30) days from the date of receipt of the DEPARTMENT'S written notice, or such other time as the Construction Coordinator and the DEPARTMENT mutually agree to in writing, to complete the Project and provide the DEPARTMENT with written notice of the same (the "Notice of Completion"). If the Construction Coordinator fails to timely deliver the Notice of Completion, or if it is determined that the Project is not properly completed after receipt of the Notice of Completion, the DEPARTMENT, within its discretion may: 1) provide the Construction Coordinator with written authorization granting such additional time as the DEPARTMENT deems appropriate to correct the deficiency(ies); or 2) file a claim against the payment and performance bond with the Surety for correction of the deficiency(ies) and completion of the contract; or 3) correct the deficiency(ies) at the Construction Coordinator's sole cost and expense, without DEPARTMENT liability to the Construction Coordinator for any resulting loss or damage to property, including, but not limited to, machinery and equipment. If the DEPARTMENT elects to correct the deficiency(ies), the DEPARTMENT shall provide the Construction Coordinator with an invoice for the costs incurred by the DEPARTMENT and the Construction Coordinator shall pay the invoice within thirty (30) days of the date of the invoice. If no payment is received within thirty (30) days from date of invoice submittal, the DEPARTMENT will file a claim against the bond for all expenses incurred, including services incidental to collecting losses.
- 20. Nothing in this Agreement shall be deemed or otherwise interpreted as waiving the DEPARTMENT'S sovereign immunity protections, or as increasing the limits of liability as set forth in Section 768.28, Florida Statutes. The DEPARTMENT'S liability for breach of this Agreement is limited in amount and shall not exceed the limitations of liability for tort actions as set forth in Section 768.28(5), Florida Statutes.
- 21. All formal notices, proposed changes and determinations between the parties hereto and those required by this Agreement, including, but not limited to, changes to the notification addresses set forth below, shall be in writing and shall be sufficient if mailed by regular United States mail, postage prepaid, to the parties at the contact information listed below. Electronic means of communication shall be sufficient if emailed to the parties at the contact information listed below.
- 22. The Construction Coordinator shall not cause any liens or encumbrances to attach to any portion of DEPARTMENT right of way.
- 23. This Agreement shall be governed by the laws of the State of Florida in terms of interpretation and performance. Venue for any and all actions arising out of or in any way related to the interpretation, validity, performance or breach of this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Leon County, Florida.
- 24. The Construction Coordinator may not assign, pledge or transfer any of the rights, duties and obligations provided in this Agreement without the prior written consent of the DEPARTMENT'S District Secretary or his/her designee. The DEPARTMENT has the sole discretion and authority to grant or deny proposed assignments, with or without cause. Nothing herein shall prevent the Construction Coordinator from delegating its duties hereunder, but such delegation shall not release the Construction Coordinator from its obligation to perform this Agreement.
- 25. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement is intended to confer any rights, privileges, benefits, obligations, or remedies upon any other person or entity except as expressly provided for herein.
- 26. This instrument, together with the attached exhibits and documents made part hereof by reference, contain the entire agreement of the parties and no representations or promises have been made except those that are specifically set out in this Agreement. All prior and contemporaneous conversations, negotiations, possible and alleged agreements and representations, covenants, and warranties with respect to the subject matter of this Agreement, and any part hereof, are waived, merged herein and superseded hereby
- 27. By their signature below, the parties hereby acknowledge the receipt, adequacy and sufficiency of consideration provided in this Agreement and forever waive the right to object to or otherwise challenge the same.
- 28. The failure of either party to insist on one or more occasions on the strict performance or compliance with any term or provision of this Agreement shall not be deemed a waiver or relinquishment in the future of the enforcement thereof, and it shall continue in full force and effect unless waived or relinquished in writing by the party seeking to enforce the same.
- 29. No term or provision of this Agreement shall be interpreted for or against any party because that party or that party's legal representative drafted the provision.
- 30. If any section, paragraph, clause or provision of this Agreement is adjudged by a court, agency or authority of competent jurisdiction to be invalid, illegal or otherwise unenforceable, all remaining parts of this Agreement shall remain in full force and effect and the parties shall be bound thereby so long as principal purposes of this Agreement remain enforceable.
- 31. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement. Modifications to the Agreement shall be included in Appendix B.

- 32. The Construction Coordinator agrees to promptly indemnify, defend, save and hold harmless the DEPARTMENT and all of its officers, agents and employees from and pay all demands, claims, judgments, liabilities, damages, fines, fees, taxes, assessments, penalties, costs, expenses, attorneys' fees and suits of any nature or kind whatsoever caused by, or arising out of or related to the performance or breach of this Agreement by the Construction Coordinator, including, without limitation, performance of the Project within the DEPARTMENT'S right of way. The term "liabilities" shall specifically include, without limitation, any act, action, neglect or omission by the Construction Coordinator, its officers, agents, employees or representatives in any way pertaining to this Agreement, whether direct or indirect, except that neither the Construction Coordinator nor any of its officers, agents, employees or representatives will be liable under this provision for damages arising out of injury or damages directly caused or resulting from the sole negligence, intentional or wrongful acts of the DEPARTMENT or any of its officers, agents or employees. The Construction Coordinator shall notify the DEPARTMENT in writing immediately upon becoming aware of such liabilities. The Construction Coordinator's inability to evaluate liability, or its evaluation of liability, shall not excuse performance of the provisions of this paragraph. The indemnities assumed by the Construction Coordinator shall survive termination of this Agreement. The insurance coverage and limits required in this Agreement may or may not be adequate to protect the DEPARTMENT and such insurance coverage shall not be deemed a limitation on the Construction Coordinator's liability under the indemnities granted to the DEPARTMENT in this Agreement.
- 33. The Construction Coordinator shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Construction Coordinator during the term of the contract; and
- 34. The Construction Coordinator shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
- 35. The Construction Coordinator shall allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes, and made or received by the Construction Coordinator in conjunction with this Agreement. Specifically, if the Construction Coordinator is acting on behalf of a public agency the Construction Coordinator shall:
 - A. Keep and maintain public records that ordinarily and necessarily would be required by the DEPARTMENT in order to perform the services being performed by the Construction Coordinator.
 - B. Provide the public with access to public records on the same terms and conditions that the DEPARTMENT would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
 - C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
 - D. Meet all requirements for retaining public records and transfer, at no cost, to the DEPARTMENT all public records in possession of the Construction Coordinator upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the DEPARTMENT in a format that is compatible with the information technology systems of the DEPARTMENT. Failure by the Construction Coordinator to grant such public access shall be grounds for immediate unilateral cancellation of this Agreement by the DEPARTMENT. The Construction Coordinator shall promptly provide the DEPARTMENT with a copy of any request to inspect or copy public records in possession of the Construction Coordinator and shall promptly provide the DEPARTMENT a copy of the Construction Coordinator's response to each such request.

IF THE CONSTRUCTION COORDINATOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSTRUCTION COORDINATOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

Central Office 850-414-5355 COprcustodian@dot.state.fl.us Office of the General Counsel Florida Department of Transportation 605 Suwannee Street, MS 58 Tallahassee, FL 32399-0458

850-040-89 MAINTENANCE OGC - <u>10/2307/43</u> Page 5 of 5

| gg@sjcfl.us Augustine Permits Manager |
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| ristopher.pogue@dot.state.fl.us |
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| ARTMENT OF TRANSPORTATION |
| (Signature |
| Evans (Print Name |
| strict Secretary (Title |
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Exhibit A:

CONSTRUCTION DRAWINGS FOR

A1A MASTER LIFT STATION ST. AUGUSTINE, FLORIDA PREPARED FOR:

ST. JOHNS COUNTY UTILITY DEPARTMENT

PROJECT NO. 4488-56302-6726-56302 JUNE 2023 - PERMIT SET



VICINITY MAP

M.M. PROJECT NO. 502101130-001



PROJECT LOCATION: 3047 A1A SOUTH ST. AUGUSTINE BEACH, 32080

LOCATION MAP

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MOTT MACDONALD

Mott MacDonald Florida, LLC

Architects Engineers Surveyors

AA - C0000035 EB - 0000155 LB - 0006783

10245 Centurion Pkwy. N., Sultie 320

Jacksonville, Floride 32256

Telephone: (904) 203-1090

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FDOT GENERAL NOTES

ALL WORK PERFORMED WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY SHALL CONFORM TO THE 2020 EDITION OF THE FOLLOWING PUBLICATIONS:

STANDARD SPECIFICATIONS FOR GOAD AND BRIDGE CONSTRUCTION (ENGLISH).
POOT STANDARD PLANS (BNOLISH).

B. POOT STANDARD PLANS (BROUBIN)
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UTILITY CONTACTS:

| A. | ATAT - GENERAL MARKER |
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| В. | AT&T - ADAM DUGAN - NORTH DISTRICT |
| Ç. | ATAT - BILL LAKE - SOUTH DISTRICT |
| D. | FLORIDA DEPT. OF TRANSPORTATION |
| E. | ST, JCHNS COUNTY - RIGHT-OF-WAY PERMETTING - RICK MAULDIN |
| F. | ST, JOHNS COUNTY - TRAFFIC SIGNALS - HANK MEIN |
| a. | COMCAST - SMERGENCY HOTLINE |
| HL | TECO/PEDPLES GAS - BEN MOBLEY |
| L. | SUMMERINE ONE CALL |
| 4 | FLORIDA POWER AND LIGHT - MIKE DEHAVEN |
| H. | FDOT - ST. AUGUSTINE OFFICE |
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INDEX OF DRAWINGS

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LESLIE S. SAMEL, P.E.

68763



St. Johns County Utility Department

A1A MASTER LIFT STATION

GENERAL NOTES AND INDEX OF DRAWINGS

DAMES AND

ABBREVIATIONS

GENERAL

| ABAN | ABANDONED | INT | INTERSECTION |
|----------|-----------------------------|----------|---------------------------------|
| AC | ASBESTOS CEMENT | INV | INVERT |
| AG | ALLEY GRATE | IF | IRON PIPE |
| ARV | AIR RELEASE VALVE | LT | LEFT |
| p | BASE LINE | MB | MAIL BOX |
| BNR | BIOLOGICAL NUTRIENT REMOVAL | MH | MANHOLE |
| BM | BENCH MARK | NC | NORMALLY CLOSED |
| BC 3B | BOTTOM OF CURVE | NO | NORMALLY OPEN |
| CB | CATCH BASIN | NTS | NOT TO SCALE |
| CI | CASTIRON | OE | OVERHEAD ELECTRIC |
| CL | CENTER LINE | OT | OVERHEAD TELEPHONE |
| CEP | CITY ELECTRIC POLE | PRM | PERMANENT REFERENCE |
| CLDI | CEMENT LINED DUCTILE IRON | | MONUMENT |
| CONC | CONCRETE | PS | PUMP STATION |
| CONST | CONSTRUCTION | PVC | POLYVINYL CHLORIDE |
| CMP | CORRUGATED METAL PIPE | r | RADIUS |
| CMPA | CORRUGATED METAL PIPE ARCH | R | RATE |
| CULV | CULVERT | RT | RIGHT |
| C&G | CURB & GUTTER | RAW. | RIGHT OF WAY |
| DBI | DITCH BOTTOM INVERT | RD | ROOF DRAIN |
| DI | DUCTILE IRON | SCH | SCHEDULE |
| DR | DIMENSION RATION | SHGWT | SEASONAL HIGH GROUNDWATER TABLE |
| DW DR DR | DRIVEWAY | SLGWT | SEASONAL LOW GROUNDWATER TABLE |
| EOP | EDGE OF PAVEMENT | STA | STATION |
| ELEC | ELECTRICAL. | SWD | SIDEWATER DEPTH |
| EL | ÉLEVATION | TC | TOP OF CURVE |
| ERCP | ELLIPTICAL REINFORCED | TOS | TOP OF SLAB |
| | CONC, PIPE | TYP | TYPICAL |
| EXP.JT | EXPANSION JOINT | UGE | UNDERGROUND ELECTRIC |
| FH | FIRE HYDRANT | LIGT | UNDERGROUND TELEPHONE |
| fί | FLOW LINE | USC & GS | UNITED STATES COASTAL & |
| FM | FORCE MAIN | | GEODETIC SURVEY |
| GALVAGEV | GALVANIZED | VC | VITRIFIED CLAY |
| G | GAS LINE | WM | WATER MAIN OR METER |
| GV | GATE VALVE | wv | WATER VALVE |
| GST | GROUND STORAGE TANK | WLP | WOOD LIGHT POLE |
| HDPE | HIGH DENSITY | WPP | WOOD POWER POLE |
| Little | POLYETHYLENE PIPE | WTP | WATER TREATMENT PLANT |
| | | | |

PROCESS FLOW STREAMS

HOCESS FLOW STREAMS

DAM

DISSE PUEL

EYHAUST

FOUL AIR DUCT

FLOE OF FLOE LINE

FORCE MAN

HER DESTRICT

HASHED WATER

WERE LIDUOR SUSPENDED SOUDS INFLUENT

OVERFLOW

PLANT EFFLUENT

PLANT EFFLUENT

FORCE MATER

RETURN ACTIVATED SLUDGE

SUPPLEMENTA, AIR

SETURN ACTIVATED SLUDGE

SLUTGON

SETURN ACTIVATED SLUDGE

SLUTGON

SETURN ACTIVATED SLUDGE

SLUTGON

WASTER ACTIVATED SLUDGE

WASTER ACTIVATED SLUDGE D DF EX FAD FEILL FM FW FW PW PAS SAN SBI SCI SHC SYPD SUC SW WM

PIPE MATERIALS

CABLE
CASTIRON
OH, CRIMATED POLYVINYL CHLORIDE
DUCTUE RON
ENERGED PLASTIC
GALVANAZED STEE
RIGH DENSITY POLYTENYLENE
PRESTRESSED CONCRETE CYLINDER PIPE
POLYVINYL CHLORIDE
RENNYCHOLODIOLE
RENN CBL CI CPVC CPVC CHLORINATED POL DI DUTTILE IRON FRP FIBERGLASS REIN/R GS GALVAMIZED STEEL HIGH DENSITY POL PCC PYC PYC CHLORI RCP REINFORCED CONC RUB RUBBER SST OR SS STAINLESS STEEL

PIPE JOINTS

TRD THREADED

LANDSCAPE AND DRAINAGE SYMBOLS



BOUNDARY AND MARKER SYMBOLS

| LIMITS OF DISTURBANCE | |
|-----------------------|-----------------|
| CHAIN LINK FENCE | |
| WOOD FENCE | 0 0 0 0 0 0 |
| SILT FENCE | /s//s//s//s//s/ |
| RIGHT OF WAY (R/W) | |
| EASEMENT LINE | |
| TURNING POINT | ** |
| TRIANGUL ATION FOINT | A. |

PIPE AND FITTING SYMBOLS

| HARNESSED FLANGE ADAPTER COUPLING | HFAC |
|--------------------------------------|-----------------|
| GATE VALVE | M _{ev} |
| CHECK VALVE | Ν° |
| BALL VALVE | M BV |
| BUTTERFLY VALVE | ₩ arv |
| ECCENTRIC REDUCER | ECC RED |
| HANDWHEEL | П |
| INSERT-A-VALVE | (iii) |

DETAIL CALL OUT



GENERAL LEGEND

| | EXISTING | PROPOSED |
|---|------------------------------------|-----------------|
| REJECT OF WAY I IN | | |
| GENTERONE | | |
| LIMITE OF CONSTRUCTION | <u>R/w</u> | 8' CHAIN LINK |
| FENCE (BEIGHT & MATE, INDICATED | K CHAN LINK | A B, CHWIN FINK |
| DETCH OR AWALE | ~~ ~~ ~~ | ~~ ~~ ~~ |
| DHAIN FIFE | | D |
| - A1: HBASM | | |
| STORM DRAIN GIATE | [1111] | tiiti |
| A INTERNATION OF TRANSPORT A | ================================== | |
| STORM STWEET REPLACEMENT IN CASE OF TRENCH SUPEMATE, INSPERIT | | |
| STORM SEWER (SIZE & MAIL INDICATED) | === | |
| CULVERT W ENDWALLS (SIZE & MAEL, INDICATED) | " = = 1 = = = 1 | |
| WATER MAIN SIZE TYCE INCOLATED | -8" W-DI-8" W-DI- | |
| SRAVEY SEWER SIZE TYPE INDICATE R | 8" S-PVC | |
| SEWERLICHTE MAIN SIZE TYPE INDICATE IT | | |
| ROSSEDELECTRIC | BE BE | |
| REMARKS TELL CONTRACT | — вт — вт — | |
| LINICHCMAN, EFFE, EFV | UNKUNK | |
| 1 NE VALVE | ——⋈—— | |
| CASE-CIS. AND AL | $\overline{}$ | |
| FER SYLEMNI | мф | ₩¢ |
| VALVE LEVEL INTRUCATE DE | \bowtie | H |
| ENDLAP | | |
| PARKA JATENDECE LINEE | \rightarrow | \rightarrow |
| VALVE (TYPE INDICATE) | ~ | 2 |
| RETHALES | a | ■ |
| FKIE HYURANI | -C+ | -Ö- on 🍲 |
| HIGHE LOWNECTION ISLAND | ⊚ | 1275 [7] |
| SPLIT ELEVANEN | NO DR N | _ |
| MANUSCE - PYPE (IF INDICATED - E - ELECTRICA - SANITARY D - STORM L - TELEFRANI | * (100 0) O * 100 00 | MH1 |
| KLEAN OUT MERIMOTERHIAU | © C.O. | |
| FEMILY SAMPLING LAP POINT 15A1. IT SIER THACAL SAMPLING THE | | TALINA, |
| SELECTIVE PARTIES | | TO U |
| CONCRETIONER WALK | | |

UTILITY SYMEOLS

| TINDESSTORSELECTION | O OH DIWINGE |
|---|------------------------|
| WOOD OIL HY POLE | ∼ |
| ELECTRIC POLL OR SHALPOIN (2006) | PE OR ENTROPE |
| LUNGRETT PLANERED E | -C+ |
| CD/ WIRE | |
| ERAFFIC SKIMAL FOR F | 78 |
| ECN PE | I.P. |
| CALEBRADITISCUS | 3HD |
| DIND FRESTS NOT LEFT FRE | uce - |
| WINDLY CHILDREN | 01 |
| DISH SCHOOL THE PHEM | ugt - |
| CAS MAIN (SQL & MALL INCREMENT) | |
| BIRRY STATES OF WALE | |
| EIRE BLOCK FINE | |
| TINDS RESIDENCE LARCE | |
| WATERMETER | _3.44 |
| WATERIMETER WITH ROLL CHIEF ACT | _146544 |
| TELEPHONE BOX | OT. |
| ATV BUX | CICATV |
| CAMAGINE TE MICHILIMENT | CICM |
| LLES FRICAL BOX | EBI |
| TUTCTRICAL COLLET | (TO) |
| FIELTOR'AL VALUET | V |
| CN < ANI M | |
| SOR BORRISONUMERA NUCLATED, | ⊕ в× |
| TEST PROFE (INCIDENCE DI INCIDE ATT-TO | ₽ тну |
| FEMILET F MECHANISM (B) NCH MARKS | • |
| TREE SIZE & EYES BURK ATTE | ■ 12° O |
| MAIL (IFIX | ¢ _{MB} |
| STATE NI MARK | A |
| MGM | _0_ |
| LIGHT POLE | \(\phi\) |
| RUSH SHRUKOR TRECTINE | Crvm3 |
| GRAVEL | ****** |
| ASPEAL FRANKING ON LINE PRACTICAL | .Je |
| NOCATES DRIVEWAY SEE WARK STRUCTURES STORM MENT OF MENT OF | |
| ASHINLT CUT AND LATER | ********* |
| MET AND CHY REAY | |
| | |

| SF- | BLIND FLANGE |
|-----|--------------|
| LG | FLANGE |
| E | PLAIN END |
| LN | MECHANICAL |
| L.F | RESTRAINED |
| | |



| iO. | 81 | DATE | SYMBOL | R EVISIONS | Γ |
|-----|----|------|--------|------------|---|
| | Ĺ | | | | L |
| | | | | | 1 |
| H | | - | | | Ł |
| | | | | | 1 |
| | | | | | |

- ALL ASPHALT AND CONCRETE SHALL BE SAW OUT IN SMOOTH NEAT LINES AT EDGES TO REMAIN.
- ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

EROSION CONTROL NOTES

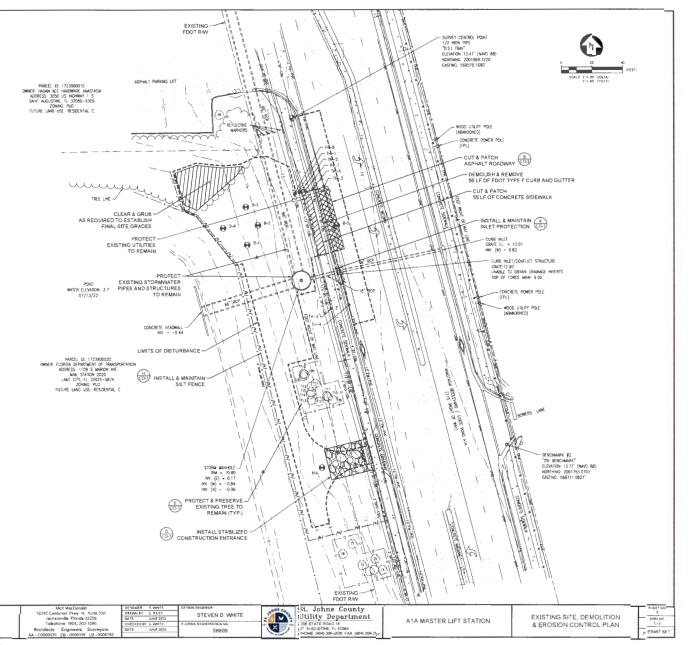
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONTROL OF EROSION AND MAINTAINING SEDIMENT ON SITE. FAILURE TO ADEQUATELY CONTROL EROSION AND MAINTAIN SEDIMENT ON SITE MAY RESULT IN EMPORCEMENT ACTIONS AND/OR FINES. THE CONTRACTOR SHALL BEAR THE COSTS OF ANY ENFORCEMENT ACTIONS OR FINES.
- EROSION CONTROL MEASURES SHOWN HERFIN SHALL RE EROSION CONTROL MEASURES SHOWN HEREIN SHALL BE CONSIDERED THE MINIMUM INSTALLATION REQUIREMENTS. CONTRACTOR SHALL PROVIDE MAY MATERIAL ITEM OR WORK FFORT NECTOR SHALL PROVIDE MAY MATERIAL ITEM OR WORK FFORT NECTOR SHALL PROVIDE MAY MATERIAL THE MATERIAL THE MATERIAL THE MATERIAL THE MATERIAL THE MATERIAL THE MATERIAL SHALL SHALL
- 3. INLET PROTECTION SHALL BE INSTALLED AROUND ALL EXISTING INLETS UNTIL FINAL STABILIZATION.

SURVEYORS NOTES:

- THIS IS A TOPOGRAPHIC SURVEY AND DOES NOT PURPORT TO BE A BOUNDARY SURVEY. THE LOCATION OF THE BOUNDARY LINES SHOWN HEREON ARE APPROXIMATE.
- COORDINATES SHOWN HEREON ARE REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE), NORTH AMERICAN DATUM OF 1983, (NADB3(2011)) U.S. SURVEY FEET.
- ELEVATIONS SHOWN HEREON ARE BASED ON NORTH
 AMERICAN VERTICAL DATUM 1988 (NAVD 88), AS DERIVED
 FROM NATIONAL GEODETIC SURVEY BENCHMARKS BEING A BRASS DISK STAMPED "7411 D 1978". ELEVATION = 10.64". AND A BENCHMARK STAMPED "F2524A LB6969", ELEVATION = 5.77.

| NO. | NORTHING | EASTING | NOTES |
|-----|------------|-----------|----------------|
| B-1 | 2001885.46 | 568540.21 | Depth = 5y |
| B-2 | 2001898.58 | 568547.28 | Depth = 17 |
| B-3 | 2001910.72 | 568539,39 | Depth = 17 |
| B-4 | 2001896.61 | 568524.38 | Depth = 2y |
| B-5 | 2001898.45 | 568599.24 | Parsement Core |
| B-6 | 2001737.86 | 568589.17 | Depth = 17 |

| | TREE T | ABLE - TREE LOC | ATIONS AND DA | ATA COLLECTED BY 0 | EGROVE SURVEYORS | , INC. |
|---------|------------|-----------------|---------------|--------------------|------------------|-----------------|
| TREE NO | NORTHING | EASTING | DIA. (IN.) | SPECIES | PROTECTED | REMOVE/PRESERVE |
| T1 | 2001669.26 | 568620 71 | 27 | OAK | YES | PRESERVE |
| T2 | 2001673.30 | 568615.70 | 16 | OAK | YE5 | PRESERVE |
| T3 | 2001670.18 | 568623.71 | 14 | OAK | YES | PRESERVE |
| T4 | 2001670 12 | 568529.28 | 15 | OAK | YES | PRESERVE |
| T5 | 2001677.42 | 568624.26 | 25 | OAK | YES | PRESERVE |
| T6 | 2001680.82 | 568602.88 | 14 | OAK | YES | PRESERVE |
| T7 | 2001687.42 | 568609.30 | 10 | OAK | YES | PRESERVE |
| T8 | 2001972.00 | 568521.98 | 5 | CAK | NO | PRESERVE |
| T9 | 2001782.91 | 568596.31 | 15 | OAK | YES | PRESERVE |
| T10 | 2001784.96 | 568593.21 | 16 | DAK | YES | PRESERVE |
| T11 | 2001785.48 | 568592.48 | 12 | DAK | YES | PRESERVE |
| T12 | 2001781.76 | 568587.38 | 11 | DAK | YES | PRESERVE |
| T13 | 2001782.68 | 568582.29 | 17 | OAK | YES | PRESERVE |
| T14 | 2001786.59 | 568581 74 | 13 | OAK | YES | PRESERVE |
| T15 | 2001787.99 | 568582.13 | 13 | OAK | YES | PRESERVE |
| T16 | 2001791.79 | 568582.43 | 11 | OAK | YES | PRESERVE |
| T17 | 2001793.72 | 568585.01 | 12 | OAK | YES | PRESERVE |
| T18 | 2001798.65 | 568577.23 | 9 | OAK | YES | PRESERVE |
| T19 | 2001800.20 | 568577.04 | 8 | OAK | YES | PRESERVE |
| T20 | 2001799.82 | 568577.97 | 8 | OAK | YES | PRESERVE |



М

MACDONALD MOTT 341

| Test Hole | Northing | Emting | Utility Found | Elev. At Grade (ft) | flev. a top (ft) | Elevi. at bottom (ft) | Width of Utility (%) |
|-----------|-------------|----------|---------------------------|------------------------|---------------------|--------------------------|-------------------------|
| 1 | 21301920.6 | 568574.4 | 1/2" CATV Cable Line | 13.7 | 11.7 | 11.6 | 0.04 |
| 2 | 2(30)843.4 | 556595.A | 6" Cl Water Main | 13.9 | 10.6 | 9.9 | 0.57 |
| 3 | 2(301924.5 | 568590.8 | 12" PVC Force Main | 13.4 | 9.8 | 8.6 | 1 |
| 4 | 2(301845.8 | 568607.2 | 12" PVC Force Main | 13.6 | 9.5 | 8.6 | 3 |
| 5 | 2(301920.9 | 568575.7 | 6" CI Water Main | 13.8 | 93 | 9.2 | 0.67 |
| - 6 | 20 011915.1 | 568584.5 | 4° Comm Cable Line | 13.7 | 95 | 9.2 | 0.93 |
| 7 | 2(301921.8 | 568578.4 | (9) 6" PVC Comm Cable | 13.7 | 99 | 8.4 | 1.5 |
| 8 | 2(301919.7 | 560571.3 | 2 1/2" Comm Cable Line | 13.3 | 163 | 10.1 | 0.21 |

Parties and Manager Life Station, Manager Tark Male TUI D sense Summany

Mott MacConeld 10245 Centurion Playy, N., Suite 320 Jacksorville, Florida 32256 Telephone, (904) 203-1090 Auchthoria, Florida 323-1090 M ACDORALD

M

AWN BY C. RELE TE: AME: STEVEN D. WHITE ECKED BY & WHETE
HECKED BY & THE

EXISTING FOOT 6" CHAIN LINK FENCE

STORM MANHOLE -RM = 10.80 INV. (E) = 0.17 BeV. (W) = -0.54 BeV. (N) = -0.96

PIPE BOLLARD (TYP. OF 4) 10' x 20' FPL UTILITY EASEMENT PROPOSED EPI -TRANSFORMER PAD T.O.S. = 11.80

58809

WHS COUNTY X

GRAVEL DRIVEWAY

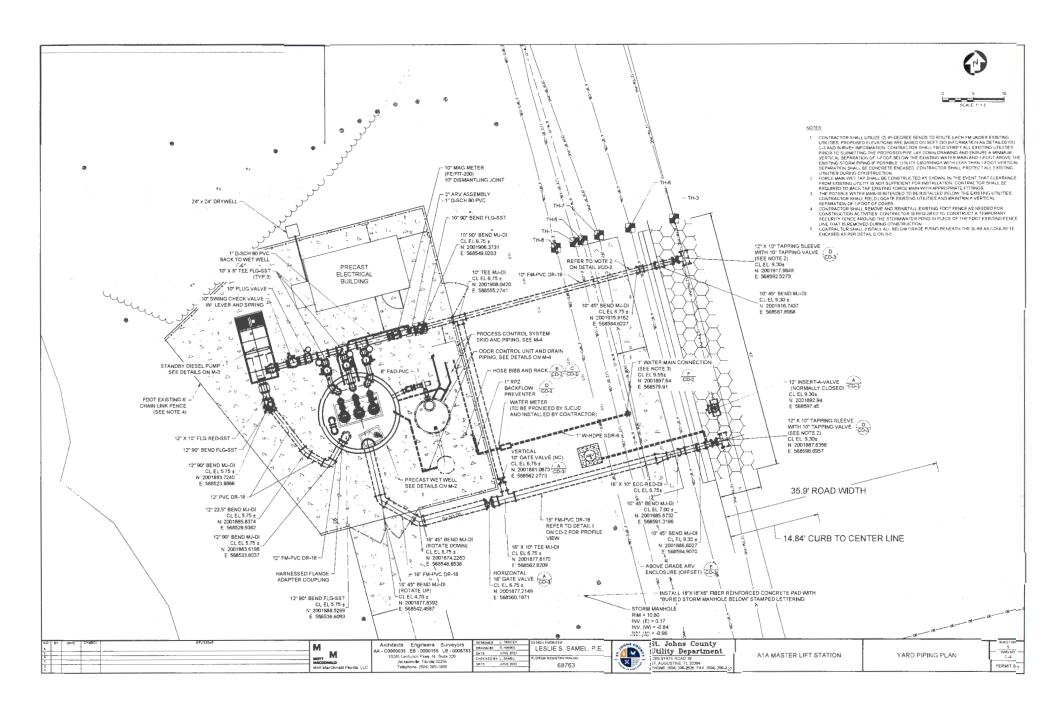
St. Johns County Utility Department 1205 STATE ROAD 18 ST, AUGUSTINE, FL 32084 PHONE: (804) 209-2925 FAX: (804) 208-29

RAY LINE

A1A MASTER LIFT STATION

PROPOSED SITE LAYOUT, GRADING & DRAINAGE PLAN

BENCHMARK #2 "OSI BENCHMARK"
ELEVATION: 13.77" (NAVO 88)
NORTHING: 2001753.0701"
EASTING: 568711.0827"



GENERAL NOTES FOR SOIL EROSION AND SECUMENT CONTROL.

- ALL EROSION AND SEDMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS, AND ACT SUBJECT TO CONSTRUCTION TRAFFE, WILL IMMEDIATELY PICENC A TEMPORAPY SECONG. IF THE SEASON "FROMIST HILL ESTABLE OF THE SEASON "FROMIST HILL ESTABLE OF THE STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE. ACCOPDING TO STATE STANDARDS
- PLEMANDENT FISCEIATION TO BE SEEDED ON SODDED ON ALL EXPOSED AREAS MITHIN TEN (10) DAYS AFTER GRADING. WILLEN TO BE USED AS ACCESSARY FOR PROTECTION UNTIL SECONG IS ESTABLISHED.
- ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FOOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, AND 381
- A BITHANDUS CONCRETE BASE COURSE WILL BE APPIED MARCHATTLY FOLLOWING ROOKH
 GRADING NO INSTITUTION OF MERONUMENTS IN DROPE TO STABLEZ STREETS, ROOKS,
 BRINGWAYS NO PARRING AREAS, IN AREAS WHIGE NO UTILITIES ARE PRESENT, THE STUTHINGUS
 CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADAS.
- NAMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL APEAS SUBJECT TO EROSON HE STEEP SUPES AND REARMAN EURAMANISHING MILL RECENT A TEMPORARY SECONIG IN COMBINATION WITH STRAW WILCH OR A SUITABLE EDWALENT, A" A TRICONESS OF TWO (2) TO FOUR (4) INCHES MICCO WITH THE TOP TWO (2) NORES OF SOIL
- AMY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABIL ZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GPEATER THAN 3.1).
- UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSPER.
- . Should the control of dust at the site be necessary, the site will be sprimled until the surface 5 We , Temphary vegetation cover shall be established on much shall be appled in accordance with state standards for ergs on control.
- AL. SOIL STOCKPILES ARE TO BE TEMPORARLY STABILIZED IN ACCORDANCE WITH SOIL EPOSION AND SEDMENT CONTROL MOTE NUMBER 2 (ABOVE)
- ALL SED WENTATION STRUCTURES SHALL BE INSPECTED AND WAINTAINED REGULARLY
- 3 THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEMATEPING AND COMMISTREAM SILITION PROTECTION OF EACH STREAM CROSSING PRIOR TO EXCAVATING THE STREAM BED PLAN SHALL BE CORNINGED TO THE ENGINEET FOR APPROVAL THE EMPORES PARALL BE NOTIFIED FOR INSPECTION PRIOR TO EACH STREAM CROSSING CONSTRUCTION
- ANY AREAS USED FOR THE CONTRACTOR'S STADING, INCLUDING BUT NOT LIMITED TO, "EMPORARY STOPPACE OF STOCKPEED MATERIALS (E.G. CRUSHED JOHN, QUARKET PROCESS STOM, SLICE! THE, EXCANALED MATERIALS, ETC), S-WALL BE EMPIRE, "PROTECTED BY A SLIT FEACE ALONG THE LOW ELEVATION SDE TO COMPOSE SEMBERT REMOVEY.

WHERE APPLICABLE

TEMPOPARY SEEDING DETAILS

SED BIG PERSONNEN.

201 DE CONTROLLE PUR PER DE DES HARBORNES AND ES LOCKE AND REACONDES SMOOTHS

APPLY DE VICTOR ALL A RATE OF ZOO LESSACHE OF 16-16-16 OF CONVENIEN, APPLY DOCUMENT

APPLY DE VICTOR ALL A RATE OF ZOO LESSACHE OF 16-16-16 OF CONVENIEN, APPLY DOCUMENT

APPLY DE VICTOR ALL A RATE OF ZOO LESSACHE OF ZOO LESSACHE OF ZOO LESSACHE

1-171/2/2* TO BE WORKED BIG THE DESCRIPT OF APPLY APPLY DE VARIOT LEARN ZEPHOLI DE

ANNIQUE OF THE OUT ON CONTROLLE DE VICTOR DE CONTROLLE DE VICTOR DE

SEED MIXTURE CONSISTING OF ANNUAL RYE (LOLIUM MULTIFLORUM) AT A RATE OF '74 LBS/ACRE

PERMANEN" SEEDING DETAILS

SEED BED PREPARATION SELD BED PREPARATION
SOIL TO BE THOSUBHY PULYERIZED BY DISK—HARROWING AND BE LOOSE AND REASONABLY SMOOTH
APPLY TETRUZZER AT A BAIT OF 280 135/ARR OF 16-16-16 DB COUVALENT, APPLY DOLONTIC
UNESTONE AT A BAIT OF 800 TO 1000 UBS /ARE 10 PROVIDE A SOIL PH OF 5.5 TO 6.5, LIME &
FERRILZER TO BE WORKED WITH THE 1009DL TO A OPPH OF 4*

| SEED MINTURE CONSISTING OF AMBENTINE BAHA PENSACOLA BAHA | 260 LBS/AC 260 LBS/AC | 95% 95% | SERMINATION 80% 40%(MIN.) BOX(TOTAL) |
|--|--------------------------|------------|--|
|--|--------------------------|------------|--|

S0000/NG

SOD SHALL BE WELL ROOT MATTED ARGENTINE BAHA CRASS COMMERCIALLY CUT TO A MINIMUM DIMENSION OF 12" v 24" A MAXIMUM OF 72 HOURS PROR TO PLACEMENT. SOO SHALL BE LIVE, FRESH AND UNINJERED, REGIONALEY FORE OF MEEDS AND OTHER SHASSES, WITH A HEAVY SOLE WAT ADJERNA TO THE ROOT SYSTEM NOT SHALL BE GROWN, CUT, AND SUPPLYED BY A STAFF CREMEN AROUND

TREE PROTECTION

- 1 DAWAGED FRUNKS OR EXPOSED RODIS WILL BE PANHED IMMEDIATELY WITH A COMMERCIAL GRADE OF TIREE PAINT.
- 2 TREE LIMB REMOVAL WHERE NECESSAR', WILL BE DONE FLUSH TO TRUNK OR MAIN BRANCH AND THAT AREA PAINTED MUKEDATELY WITH A COMMERCIAL OPAGE OF TPEE PAINT.

DUS" CONTROL

- 2. DISTUPBED APEAS SHALL BE MAINTAINED IN A ROUGH GRADED CONDITION AND TEMPORARILY SEEDED AND/OR MULCHED UNTIL PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF PERMANENT VECETATION COVER.
- N EVENT OF EMERGENCY CONDITIONS, PLLAGE WILL BE SATISFACTORY FREE BEFORE SOIL

PROPOSED SEQUENCE OF CONSTRUCTION

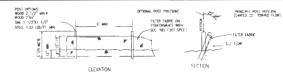
CONSTRUCTION SHOULD PROCEED IN THE FOLIDWING MANNER

1 INSTALL SET FENCE, HAYBALE BARRERS AND/OR TURBIOMY BARRERS AS SHOWN.

NA

- 3 CONSTRUCT PROPOSED INFRASTRUCTURE
- ONCE SUITATION AND SEDMENTATION CONTROL MEASURES ARE WELL ESTABLISHED REMOVE EROSION CONTROL DEVICES.

to the

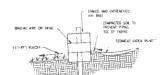






DO MOT DEPLTY IN A MANAGER THAT SET FENCES, WE LACE AS A DAM ACROSS PERMANENT FLOWER MATERIORISES. SET TENESS ARE TO BE LISED. AT UPLAND LOCATIONS AND TURNOLTY BARRIERS LISED AT FORMANDE BODES OF WATER.



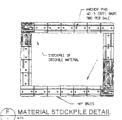


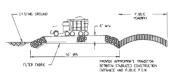
B BALES BACKED BY FENCE

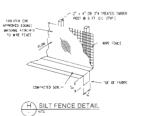
NOTE BALES TO BE STAKED AT THE EMPLICATION OF THE ENGINEER

LDOSE SON, PLACED BY SHOVEL AND LIGHTLY COMPACTED ALONG LIPSTREAM FACE OF DALES

D DETAIL OF PROPERLY INSTALLED HAY BALE







G STABILIZED CONSTRUCTION ENTRANCE DETAIL

DISSPORTS.
FRIER BADS WILL BE USED AS AN EFFECTME FLIER MEDIUM TO CONTAIN SAME, SIL AND FINES WHEN TRINGED CHARLENGE, HE WILLIAMS FALLER BAD CONTAINS THESE MATERIALS WHELE ALLOWING THE MATER TO FLOW THROUGHTHE FABRE.

E TREE BARRICADE

MANTEMACE.

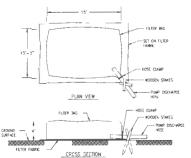
**MORE TO MANUFACE A BIG FROM THE HOSE, THE BIG M. I. BE TIED OFF
BELON THE TIND OF THE HOSE ALLOWING: THE BIG TO DOWN DRAMACE MIL,
NOT BE ALLOWED THROUGH THE MILET HOLE TO MOVO REPURE. THE
WILL BE ATTEMACED AND FURNISHES MAYS MONITORED, DAVIE HE BIG TO
MILETED TO A FEEL PLANTING MILE FROM TO A FEEL PLANTING.

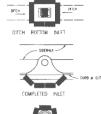
MOLITATION OF A MERCHAN OFF A FEEL PLANTING MILET FOR TO, MODE PURTUALS. FILTER BAGS USED DURING CONSTRUCTION WILL BE BUNDLED AND REMOVED FOR PROPER DISPOSAL.

SECONDAINS.

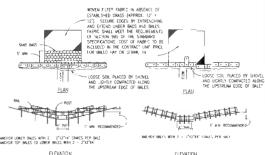
THE BRICK ARE CONSTRUCTED OF MON-MOWN GLOTEXTILE FABRIC A
MANDAM OF ONE SEE BRICH DECEMBER FORS WILL BE ALLOWED PER FAITE
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THROUGH DRICK DISCHARGES ARE 15 AFF OF THE SECONDAIN OF THE WARRY
WHIN, SEED IN WOODD LOCATIONS, LIMITEDED FAITE BRICK BRICK WILL BE
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LICINETED WITH A HAY BALL DO SAIT FEREC CORPUL. DOZE CLAMPS WILL BE
LICINETED WITH A HAY BALL DO SAIT FEREC CORPUL. DOZE CLAMPS WILL BE
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APPLICATION AND SPACING. THE JSC OF TIPES I & II BALE BARRERS SHOULD BE INMITED TO THE CONDITIONS DITTINED IN CHART , SHEET 1 OF 3, INDIX NO. 102 TYPE 1

| | FILTER BAG DETAILS FOR TRENCH DEWATERIN | IG OPERATIONS |
|-----|---|---------------|
| . / | / NTS | |

K PROTECTION AROUND INLETS OR SIMILIAR STRUCTURES

BARRIER FOR UNPAVED DITCHES

NTS

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Mott MacDonald 45 Centuron Pkwy, N., Suite 320 Jacksonville, Florida 32256 Telephone (904) 203-1090 10245 Cent M Architects Engineers Surveyor - MALD EB - 0000155 LB - 000678

AWN BY C. RILE STEVEN D. WHITE TE JUNE 2021 RECKED BY 5, WHITE LORIDA REGISTRATION NO JUNE 2023



St. Johns County Utility Department 1205 STATE ROAD 18 ST, AUGUSTINE, FL 32084 PHONE (904) 209-2626 FAX (904) 209-262

A1A MASTER LIFT STATION

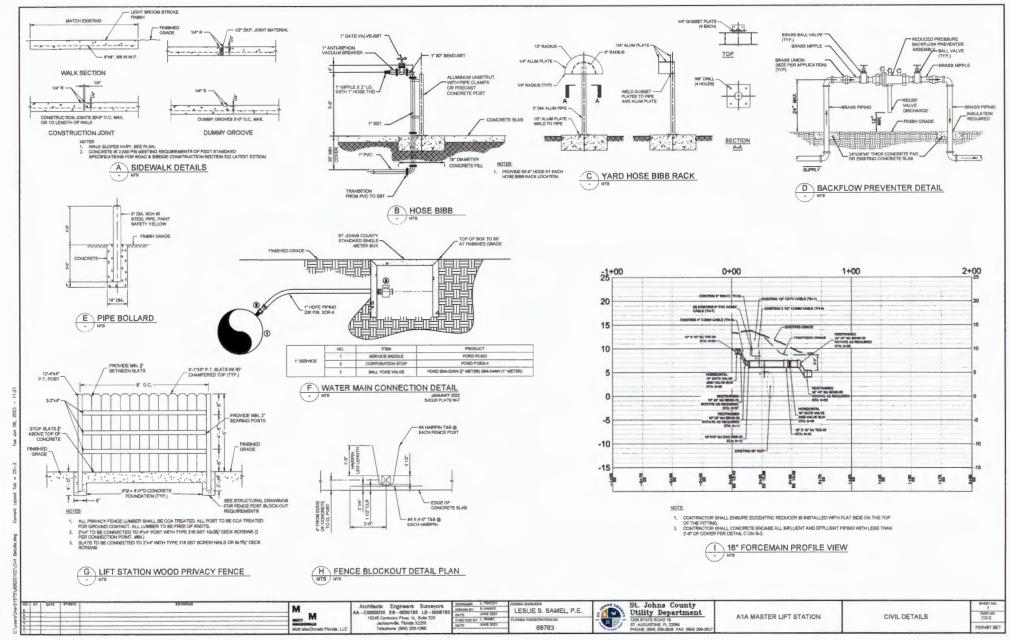
EROSION CONTROL DETAILS

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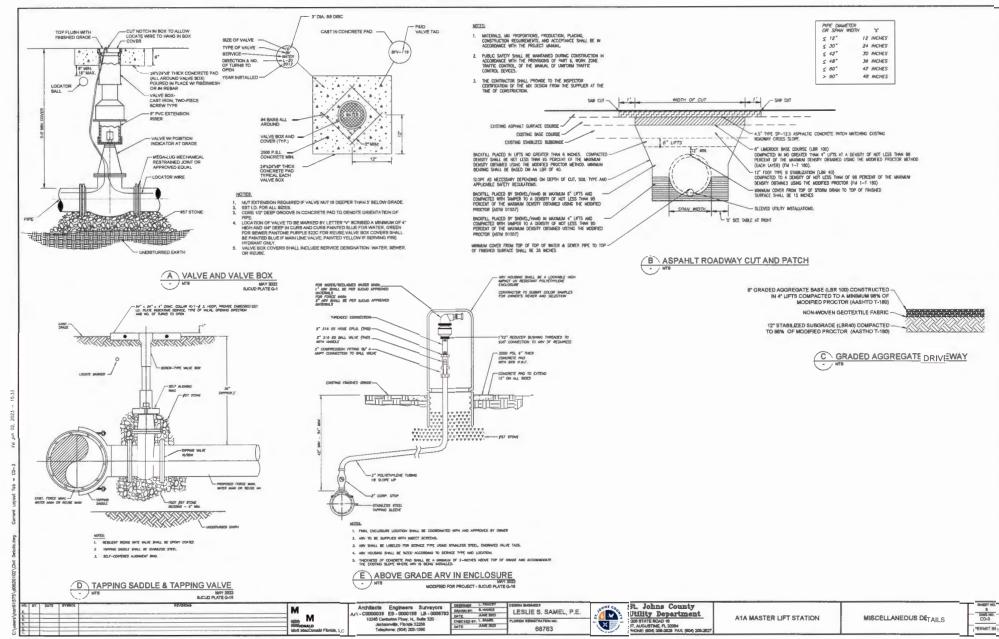
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Xrefs Attached SJCUD_22X34_80R [..\d0613925\SJCUD_22X34_80R.dmg]

- 2. THE STRUCTURAL DOCUMENTS ARE TO BE USED IN CONJUNCTION WITH THE ELECTRICAL, HVAC AND MECHANICAL DOCUMENTS USE THESE NOTES IN CONJUNCTION WITH THE SPECIFICATIONS. IF A CONFLICT DYISTS, THE MORE STRINGENT REDUIREMENTS.
- COMPLY WITH REQUIPEMENTS OF THE FLORIDA BUILDING CODE, OSHA, AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, REQUIATIONS AND LAWS.
- 4. ALL REFERENCED STANDARDS REFER TO THE EDITION IN FORCE AT THE TIME THESE PLANS AND SPECIFICATIONS ARE ISSUED FOR
- PEVIEW ALL CONTRACT DOCUMENTS, DIMENSIONS AND SITE CONDITIONS AND COORDINATE WITH FIELD DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONTRUCTION, REPORT ANY DISCREPANCES IN WRITING TO ENGINEER, DO NOT CHA-SIZE OR DIMENSIONS OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE STRUCTURAL ENGINEER OF
- ANY DISCREPANCIES, OMISSIONS OF VARIATIONS NOTED ON THE CRAWINGS OF IN THE SPECIFICATIONS DISC THE BIDDING PERIOD SHALL BE IMMEDIATELY COMMUNICATED BY WRITING TO THE EMGINEER.
- PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE, EACH CONTRACTOR GHALL PROTECT THER WORK, ADACEMENT AND THE PUBLIC, EACH CONTRACTOR IS SOLELY RESPONDED, E.OP DAMAGE OF INJURY DUE TO THERR ACT OR MIGLIC!
- 8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY AND CONSTRUCTION PROCEDURES
- 10, REFER TO ELECTRICAL, MYAC AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS IN STRUCTURE NOT SHOWN ON STRUCTURES OR SAME OF SHOWN OF STRUCTURES OF SAME OF SHOWN OF STRUCTURES OF SAME OF
- 11. DETAILS LABELED TYPICAL CETALS' OR TYP' ON THE DRAWINGS APPLY TO ALL SITUATIONS THAT APE THE SAME OP SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH DETAILS APPLY WHETHER OP NOT THEY APE REYED IN AT EACH LOCATION, DUESTIONS PECANDING APPLICABILTY OF TYPICAL DETAILS SAML SER RESCULED BY THE ENUMERY.

BUILDING DESIGN LOADS AND CRITERIA

MINIMUM FLOOR LIVE LOADS

- UNIFORM FLOOR
- PRECAST CONCRETE BUILDING ROOF LIVE LOAD
- SO PSF

WIND CRITERIA (FBC), REFER TO GENERAL NOTE 12

BASIC WIND SPEED, Van EYPOSURE 142 MPH

PISK CATEGORY ENCLOSURE CLASSIFICATION ENCLOSED BUILDING

SEISMIC CRITERIA

IMPORTANCE FACTOR 1,25
SPECTRAL RESPONSE ACCELERATIONS (St. S.) 0,088, 0,048

RESISTING STANDARD OR THE LARGE MISSILE TEST OF ASTM E1996.

THAL RESPONSE COEFFICIENTS (Sdr. Sdr. C.094 C.073 SEISMIC DESIGN CATEGORY

SEISMIC - FORCE - PESISTING SYSTEM PRECAST BLDG: BEAPING WALL!
PRECAST BLDG: R=3.0) RESPONSE MODIFICATION FACTOR, (R) SEISMIC RESPONSE COEFFICIENT, (Cs)

- MALYSIS PROCEDUPE **EQUIVALENT LATERAL FORCE** TO ACHIEVE ENCLOSED CLASSIFICATION, ALL GLACED OPENINGS SHALL BE IMPACT RESISTANT OR PROTECTED WITH IMPAC RESISTING COVERING, ALL LOLIVERS FOR WITHIN 30 FEET OF GRADE SHALL MEET THE REQUIREMENTS OF APPROVED IMPACT.
- 12, ALL WIND FORCES SHALL BE DETERMINED ACCORDING TO THE PROVISIONS OF THE FBC USING THE MINIMUM WIND CRITERIA STATED IN NOTE 11 ABOVE, INCLUDE ALL APPROPRIATE SHAPE, HEIGHT, AND GUST FACTORS FOR THE MAIN WIND FORCE RESISTING SYSTEM AND COMPONENTS AND CLADDING, TO CALCULATE THE WAY MUMINET UPLIFT, USE 60% OF THE SUPERIMPOSED DEAD LOADS.
- 13, CONTRACTOR SHALL PROVIDE ALL CODE REQUIPED PRODUCT APPROVAL NUMBERS TO THE GOVERNING BUILDING AGENCY REFER TO WIND UPLIFT DIAGRAM I POOF COMPONENT AND CLADDING & WIND LOADING CRITERIA FOR REQUIRED WIND LOADS.
 SIGNED & SEALED CALCULATIONS SHALL BE SUBMITTED FOR ALL PRODUCTS AS REQUIRED BY THE PRODUCT APPROVAL.
- 14. REF-13 THE ABBREVIATION FOR REFERENCE, WHEN PLACED NEXT TO A DIMENSION OR ELEVATION IT INDICATES THAT THE DIMENSION OR ELEVATION HAS BEEN DETERMINED FROM OTHER SOURCES SUCH AS ENGINE GRAWNIGS. THE CORRECTIESS OF PERSPENSE CALLAN IN DIVERBIED, THE CONTRACTOR SHALL VERSE YET THE CORPECTIESS OF ALL PERSPECTED ATA. INCEPENDENTLY.

RESPONSIBILITIES OF DETAILERS AND FABRICATORS

- A, INIGHIT SHOP DRAWINGS AND ANY OTHER SPECIAL INFORMATION RECEISANT FOR PROPER FABRICATION. RECEIVOL, AND PLACEMENT OF STRUCTURE, FABRICATIONS, INCLUSE PLANS, ELEVATIONS, AND SECTIONS, CLEARLY SHOW ANCHORAGES, CONNECTIONS, AND ECCESSION THEAS, INCEDITAGE MUST REPRETE THE CONNECTION AND CLEARLY CONNECTIONS AND CLEARLY CONNECTIONS AND CREATED THE FORMATION TO THE FIELD IN THE FORM OF PLACING OR ERECTION DRAWINGS.

- A PROVIDE PLACING DRAWINGS FOR FARRICATION AND PLACING OF REINFORCING STEEL, THESE DRAWINGS SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING, BAR LIST SCHEDULES, BENDING DETAILS, PLACING DETAILS, PLACING PLANS, AND
- B. CLEARLY SHOW ELEVATIONS OF ALL BEARING AND SHEAR WALLS. INDICATE OPENINGS, DETAILS OF ALL RE DOCATIONS OF SPLICES AND HOOKS A CONTPOL JOINTS, EXPANSION JOINTS, LINTELS, CONCRETE BOND BEAMS, AND
- APLY SHOW BEAM ELEVATIONS AND SECTIONS, INDICATE BAR LENGTHS, HOOKS STIRRUP SPACING LAP SPLICES,
- OFFSETS, AND LOCATION OF BASE WITH SEPECT TO ALL SUPPORTS.

 D. CLEARLY SHOW COLLING ELEVATIONS AND SECTIONS, MICHAEL DOWELS, OFFSETS, LAP SPLICES, AND TIES, PLAN SECTIONS.
- OF ALL COLUMNS MUST BE CLEARLY SHOWN.

 E. CLEARLY SHOW ELEVATIONS, SECTIONS, AND DETAILS OF ALL BEAM TO COLUMN CONNECTIONS.

 F. CLEARLY SHOW FOUNDATION REPREPEDING, INDICATE BAY LENGTHS, LOCATION AND SPLICES OF CONTINUOUS BAPS, AND
- G. CLEAPLY SHOW LOCATIONS OF ALL DOWELS ON PLAN, INDICATE FOOTING STEP LOCATIONS AND PROVIDE DETAILS.
- 3. FOR ADDITIONAL CRITERIA APPLICABLE TO SHOP DRAWINGS REQUIRING ENGINEERING INPUT BY A SPECIALTY ENGINEER, REFER TO "SHOP DRAWING REQUIRING ENGINEERING INPUT BY SPECIALTY ENGINEER" GENERAL NOTE SECTIONS

SHOP DRAWING PEQUIRING ENGINEEPING INPUT BY SPECIALTY ENGINEER

- 1. SPECIALTY ENGINEER
- A. DEFINITION A FLORIDA REGISTEPED PROFESSIONAL ENGINEER WHO SPECIALIZES IN AND WHO UNDERTAKES THE DESIGN. OF STRUCTURAL COMPONENTS OR STRUCTURAL SYSTEMS INCLUDED IN A SPECIFIC SUBMITTAL PREPARED FOR THIS
- . AN EMPLOYEE OR OFFICER OF A FABRICATOR
- AN EMPLOYEE OR OFFICER OF AN ENTITY SUPPLYING COMPONENTS TO A FABRICATOR
- 1. AN INDEPENDENT CONSULTANT RETAINED BY THE FABRICATOR OF THEIR SUPPLIER.
- 3. THE FOLLOWING SYSTEMS AND COMPONENTS AS A MINIMUM REQUIRE FARRICATION AND ERECTION DRAWINGS WITH INPUT 6Y A SPECIALTY ENGINEER, BUT ARE NOT LIMITED TO JOISTS, WINDOWS, POOF SYSTEMS, GLAZED OPENIAGS, LOUVERS, DOORS, PRECAST BUILDINGS AND ANY EXTERIOR ANCILLARY STRUCTURES.
- 3. THE SPECIALTY ENGINEER OR MANUFACTURER SHALL DESIGN, PROVIDE, AND INSTALL THEIR COMPONENTS AND TH COMPONENT CONNECTIONS TO THE PRIMARY STRUCTURE PER THE WIND CRITERIA STATED IN THESE NOTES OR THE CURRENT GOVERNING BUILDING CODES WHICHEVER IS MORE STRINGENT.
- SUBMITTALS SHALL CLEAPLY IDENTRY THE SPECIFIC PROJECT AND APPLICABLE CODES. LIST THE DESIGN CRITERIA, AND SHOW ALL DETAILS AND PLANS NECESSARY FOR PROPER FABRICATION AND INSTALLATION, CALCULATIONS AND SHOP DRAWNINGS SHALL IDENTRY SPECIFIC PRODUCT UTILIZED, SCHREIC PRODUCTS WILL NOT BE ACCEPTED.
- 5. SHOP GRAWINGS AND CALCULATIONS MUST BE PREPARED UNDER THE DIRECT SUPERVISION AND CONTROL OF THE SPECIALTY
- B. CATALOG INFORMATION ON STANDARD PRODUCTS DOES NOT RECITIFE THE SEAL OF A SPECIALTY ENGINEER
- 2. REVIEW OF THE SUBMITTAL BY THE STRUCTURAL ENGINEER OF RECORD IS LIMITED TO VERIFYING THE FOLLOWING
- A. THAT THE SPECIFED STRUCTURAL SUBMITTALS HAVE BEEN FURNISHED
- A. THAY THE SPECINES STRUCTURAL SUBMITTALS AND REPORT HUMBHORY.

 I THAY THE STRUCTURAL SUBMITTALS AND EERS NUME FOR SOUTH OF STRUCTURAL CONTINUES.

 C. THAY THE SPECIALTY ENGINEER HAS UNDERSTOOD THE CESSION IN PERF AND HAS USED THE SPECIFIED STRUCTURAL CHITERIA, HOW PERSECURED ON THE COLUMNING WILL BE MADE!

 O. THAY THE CONFIDENTION SET FORTH IN THE STRUCTURAL SUBMITTALS IS CONSISTENT WITH THE CONFIDENCE OCCUPANCY.
- INO DETAILED CHECK OF DIMENSIONS OR QUANTITIES WILL BE MADE.)
- SUBMITIALS NOT MEETING THE ABOVE CRITEPIA WILL NOT BE REVIEWED AND WILL BE RETURNED TO CONTRACTOR MARKED REVISE AND REQUARM! THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS WHICH HAY RESULT, BURMETHALS SHALL BE REVISED AT NO CRITICIAN. COST OF THE OWNER UNIT, APPROVED OF THE REMINER.

REFERENCE DATUM AND FLOOD DATA

- 1. ELEVATIONS INDICATED ON PLANS AND DETAILS ARE HAVD ELEVATIONS, COORDINATE ADDITIONAL ELEVATIONS WITH CMIL
- 2. PPOJECT IS LOCATED IN FLOOD ZONE X

PIPING, PIPELINE APPURTENANCES, VALVE, SUPPORTS, HANGERS, STRUTS, BLOCKING AND ANCHORAGE NOTES

- 1. CONTRACTOR SHALL REFER TO THE APPLICABLE DIVISIONS OF THE SPECIFICATIONS FOR SUPPORTS, BLOCKING ANCHORAGE, AND RESTRAINING OF ALL PIPE, VALVES AND PIPING APPURTENANCES.
- 2. CONTRACTOR SHALL REVIEW WITH THE ENGINEER ALL LOCATIONS AND ARRANGEMENT OF PIPING OPENINGS. PIPE SLEEVES, PREVIOUS, AS REQUIRED TO COMPLETE THEIR WORK AND SMALL NOT PROCEED WITH THE INSTALLATION ONTE, LOCATIONS MAY BEEN REVIEWED AND VERFECTION HAS BEEN PROVIDED THESE OPENINGS, SEEVES AND TREMCHES WILL NOT MAKE IT STRUCTURAL INTEGRITY OF THE COMPLETE.
- 3. CONTRACTOR SHALL PROVIDE AND COORDINATE THE INSTALLATION OF ALL ITEMS TO BE EMBEDDED IN THE CONCRETE SYSTEM AND SHALL COOPERATE SO AS NOT TO DELAY THE CONSTRUCTION WORK, SUCH ITEMS SHALL INCLUDE PIPES, SLEEVES, BOLTS, STRUTS, HANGERS AND FITTINGS, ETC., THAT ARE TO BE EMBEDDED IN THE CONCRETE SYSTEM.

REINFORCÉD CONCRETE

MISCEL LANEOUS PADS

1. USE STRUCTURAL CONCRETE AND CONCRETING PRACTICES CONFORMING TO ACI-316 AND 3DLAND PROPORTION CONCRETE IN ACCORDANCE WITH ACESTS CH. 4 AND MEETING A MIN. LILTMATE COMPRESSIVE STRENGTH IN 26 DAYS AS FOLLOWS

EQUIPMENT PADS

* PROVIDE CURRENT (MAXIMUM 1 YEAR OLD) STATISTICAL DATA FOR EACH CONCRETE MIX DESIGN SUBMITTED

- WHERE CONCENTRATION OF RENFORCING STEEL HINGERS PROPER CONSOLIDATION OF CONCRETE, USE CONCRETE
 CONTAINING A SUPERPLASTICIZING IN R.W.R.J. ADMOSTURE. ASTMICES LTYPE F. SLUMP AFTER ADDITION OF SUPERPLASTICIZER.
- IF CONCRETE IS PUMPED BLUMP MAY BE DICREASED TO 8" AT THE TRUCK, USE A MINIMUM 4-INCH PUMP UNLESS PRE-APPROVED BY ENGINEER TAKE CONCRETE SAMPLES FOR SCUMP AT TRUCK AND AT DISCHARGE END. TAKE CONCRETE SAMPLES FOR CYLINGEY EXTRINCAT DISCHARGE END OF THE PUMP HOSE.
- 4. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 315 CH. 8.4 AND SUBMIT SHOP DRAWINGS SHOWING LOCATIONS AND DIRECTION OF CONCRETE PLACEMENT FOR STRUCTURAL ENGINEER S REVIEW. PROVIDE KEY WAYS AND ADEQUATE DOWELS IN ALL CONSTRUCTION JOINTS.
- PROVIDE REINFORCING STEEL EPECTOR WITH A SET OF STRUCTURAL PLANS FOR FIELD USE, INSPECT REINFORCING STEEL PLACING FROM STRUCTURAL PLANS.
- e. USE ASTW A-015 CR. BE FOR ALL RENPORCING STEEL CONFORM TO ACHSEL ACHSEL ACHSEL AND CRBI WARMAL OF STANDARD PRACTICE! ALL RENPORCINGS BHALL BLACCHARIER PLACES DESCRIPTION DEPORTED AND PRACTICE WITH THE BE PLACES WITH THE ACHSE WITH THE BEPORT ACHSES BLACCHARIER ACCORDING WITH THE ACHSE STEEL ACHSES BLACCHARIER ACCORDING WITH THE ACHSE STEEL ACHSES BLACCHARIER ACCORDING WITH THE ACHSE STEEL ACHSES BLACCHARIER ACCORDING WITH THE ACHSES BLACCHARIER BLACCHARIER ACHSES BLACCHARIER BLACCHARIER BLACCHARIER BLACCHARIER BLAC
- PLACE PEINFORCING STEEL SUCH THAT RAPS ADJACENT TO CONCRETE SUPFACES & COLD JOINTS MEET MIN CLEAP COVER
 REQUIREMENTS, BUT DO NOT EYCEED THOSE REDUIREMENTS, USE THE FOLLOWING MINIMUM CLEAR COVER OVER

| BOTTOM | TOP | SIDE |
|--------|-----|------|
| | | |

3* 11/2* 2

- 8. HORIZONTAL BARS SHALL BE MADE CONTINUOUS WITH HOOKS AROUND CORNERS,
- USE PLAN. COLD-ORAWN ELECTRICALLY WELGED STEEL WIRE FARRIC COMPORMING TO ASTMAINS, SUPPLY IN FLAT SMEETS ONLY, LAP SPLICES SHALL SE MAGNIFED RETWESN DUTERMOST CROSS WRISE OF SICH FARRIC SHIELT AMO SHALL BE NOT LESS THAN THEET HELP APPRICADE OF THE CHOSS MIRRS LIST TWO (2), NOVEL.
- 10. SLEEVE ALL PIPES THROUGH SLABS INDIVIDUALLY, UNLESS APPROVED BY ENGINEER
- 11. SUBMIT SHOP DRAWINGS TO THE EMGINEER FOR PEVIEW PRIOR TO FABRICATING PEINFOPCING STEEL, DO NOT REPPODUCE THE STRUCTURAL OPENINGS FOR USE AS SHOP DRAWINGS.
- 12. PROVIDE CLASS IS LAP SPLICE AT SUPPORTS AND HOOK DISCONTINUOUS ENDS AT THE FAR FACE OF SUPPORTS FOR ALL BEAMS UNLESS OTHERWISE NOTED.
- 13, REMFORCING PLACED IN LOCATIONS WHERE PROPER COVER CANHOT BE ACHIEVED SHALL BE HOT DIPPED CALVANIZED ACCORDING TO ASTM A767 WITH 2 OUNCES OF ZINC COATING PER SOURCE FOOT OF SURFACE AREA MINIMUM.
- 14, ALL EXPOSED CONCRETE AND GROUT EDGES SHALL HAVE 34" 45" CHAMFER, UNLESS OTHERWISE NOTED

POST INSTALLED ANCHORS AND REINFORCING STEEL

- SUBSTITUTION OF ANCHORS SPECIFIED BELOW FOR CAST-IN-PLACE EMBEDDED ANCHORS SHALL BE PPOHIBITED WITHOUT
 PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.

- INSTALL AND MAINTAIN A MINIMUM EMBEDMENT IN ACCORDANCE WITH MANUFACTUREP'S SPECIFICATIONS, OP AS SPECIFIED
 ON DRAWING, WHICHEVER IS GREATER: BUT WITH AN EMBEDMENT OF NOT LESS THAN 8 BOLT-DIAMETERS.
- UNLESS NOTED, ANCHOR SPACING AND ANCHOR EDGE DISTANCE SHALL BE ACCORDING TO THE WANUFACTUREP'S MOST CURPENT PUBLICATION IN ORDER TO DEVELOP MAYIMUM WORKING LOADS.
- 7. DO NOT EXCEED MANUFACTURER'S MAXIMUM PECOMMENDED TIGHTENING TOROUG
- ALL ANCHORD CHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND UNDER MANUFACTURER CERTIFIED SUPERVISION IN ORDER TO DEVELOP THE MOST CURRENT PUBLISHED WORKING LOADS.
- EXPANSION ANCHORS USE STAINLESS STEEL WEDGE-TYPE EXPANSION ANCHORS SUCH AS HILTI KWIK BOLT III OR ENGINEERED APPROVED EDUIVALENT.

- A. USE STAINLESS STEET THREADED ROOS OR BOLTS FOR ADHESINE ANCHORING SYSTEM.

 B. USE AN EPOLYT OR POLYESTED RESINADHESINE SICH AS HELD PESSO, SUPESSON SET OR APPROVED ALTERNATE.

 C. DEMETER OF HOLE SHALL BE AS PECOMMENDED BY MANUFACTURER FOR THE PARTICULAR PRODUCT SPECIFIED IN THE DRAWNOS.
- 11, POWDEP ACTUATED FASTEMERS USE GALVANGED OF STANCESS STEEL POWDEP ACTIVATED FASTEMING SYSTEMS SUCH AS HILLI RED HEAD RAMBET, OF AN APPROVED ALTERNATE HAVING ICEGO, PASCICAPPROVIN, INSTALL IN ACCORDANCE WITH MANUFACTUREPS 9 SPECIFICATION, BUT NOT LESS THALLI 1991/INCEGS VICTORIFIEL, UNICESS OTHERWISE NOTED.

М MOTT M MACDONALD

Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783 10245 Centurion Pkwy, N., Suite 320 lacksonville, Florida 32256 Telaphone 1904; 203-1090

CHAD E. LYNER, P.E. 66277

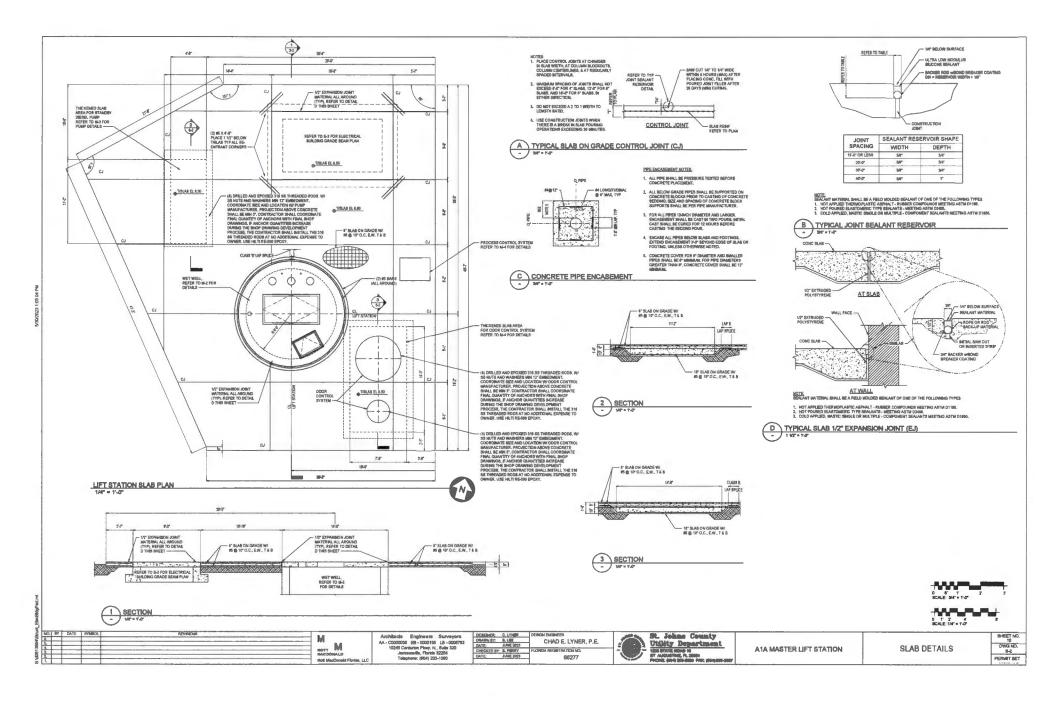
St. Johns County Utility Department 1205 STATE ROAD 16 ST AUGUSTINE, FL 32084 PHONE 5904) 209-2626 FAX

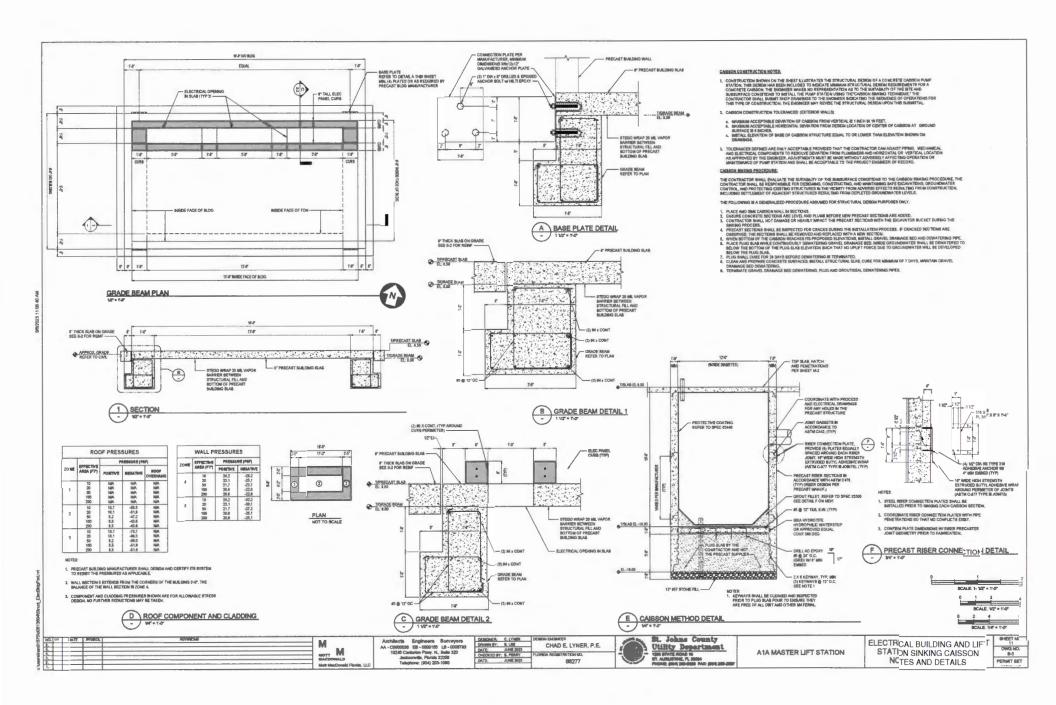


A1A MASTER LIFT STATION

STRUCTURAL NOTES

DWG NO.





PROCESS PIPE IDENTIFICATION

PROCESS FLOW STREAM AFRATION BASIN INFLUENT

ALUM BIOLOGICAL NUTRIENT REMOVAL BIOLOGICAL TREATMENT UNIT BALL VALVE BACKWASH WATER SUPPLY CENTER LINE

DIESEL FLIFL ELEVATION EXHAUST FOUL AIR DUCT

BTU

8WW

84

FILTER EFFLUENT OR FLOW ELEMENT FINISHED FLOOR FILTER INFLUENT CHEMICAL FILL LINE FM FORCE MAIN GALLON

GAL HB HOSE BIBB HARNESSED FLANGED ADAPTER COUPLING

HYDRAULIC POWER UNIT IRV IR INVERT INTERNAL RECYCLE

LSH LEVEL SWITCH HIGH LEVEL SWITCH HIGH HIGH LSL LEVEL SWITCH LOW

LSLL LEVEL SWITCH LOW LOW мн MANHOLE MICRO-C MICRO-C MUNIMUM

NTS NOT TO SCALE OVF P OVERFLOW PUMP PLANT WATER POLYMER POTABLE WATER

IN-PLANT RECYCLE WATER REJECT REJECT FLOW RAW WASTEWATER SAN SANITARY SEWER SCE

SCH SCHEDULE SCI

SHC SCOIUM HYPOCHLORITE SLUDGE DRAIN SPL SUC SAMPLE LINE SUCTION

SW STORM WATER SWD

TKD TYP TANK DRAIN TYPICAL VENT

WAS WASTE ACTIVATED SLUDGE WASTE BACKWASH

PLW POL PW RAB RETURN ACTIVATED SLUDGE RECYCLE

SECONDARY CLARIFIER EFFLUENT SECONDARY CLARIFIER INFLUENT

STORM WATER DISCHARGE

CU

DI

PIPE MATERIALS BLACK STEEL PIPE CI CAST IRON

CHLORINATED POLYVINYL CHLORIDE COPPER DUCTILE IRON

DIGL DUCTILE IRON GLASS LINED FIBERGLASS REINFORCED PLASTIC GALVANIZED STEEL HDPE HIGH DENSITY POLYETHYLENE

PCCP PRESTRESSED CONCRETE CYLINDER PIPE POLYP POLYPROPYLENE PPSTL POLYPROPYLENE LINED STEEL PIPE POLYVINYL CHLORIDE PIPE

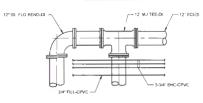
RCP REINFORCED CONCRETE SEWER PIPE RUB RUBBER STL STEEL

STAINLESS STEEL

PIPE JOINTS

FLG FLANGE MECHANICAL JOINT PLAIN END RESTRAINED JOINT THREADED

PIPE / FITTING TAG



NUMERICAL INDICATOR
FOR MULTIPLE IDENTICAL
FLOW STREAMS NOMINAL PIPE SIZE -PROCESS FLOW STREAM

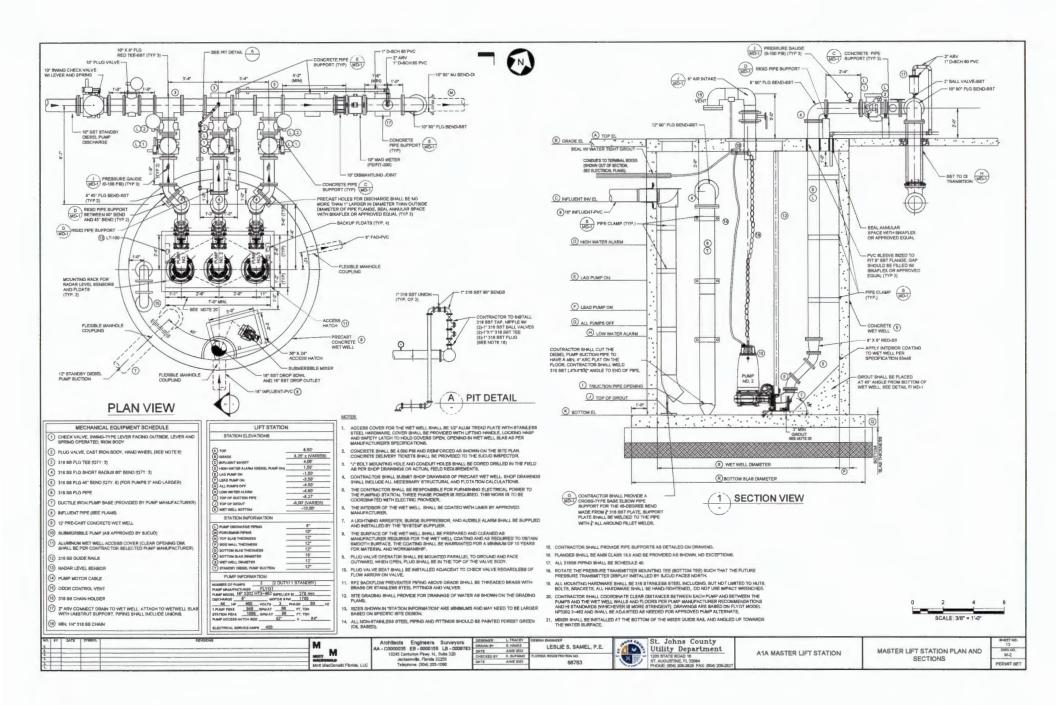
EXISTING PIPE / FITTING DEMOLITION TAG EXISTING 12" 90" FLG BEND-DI REMOVED - EXISTING 12" SCI-DI REMOVED

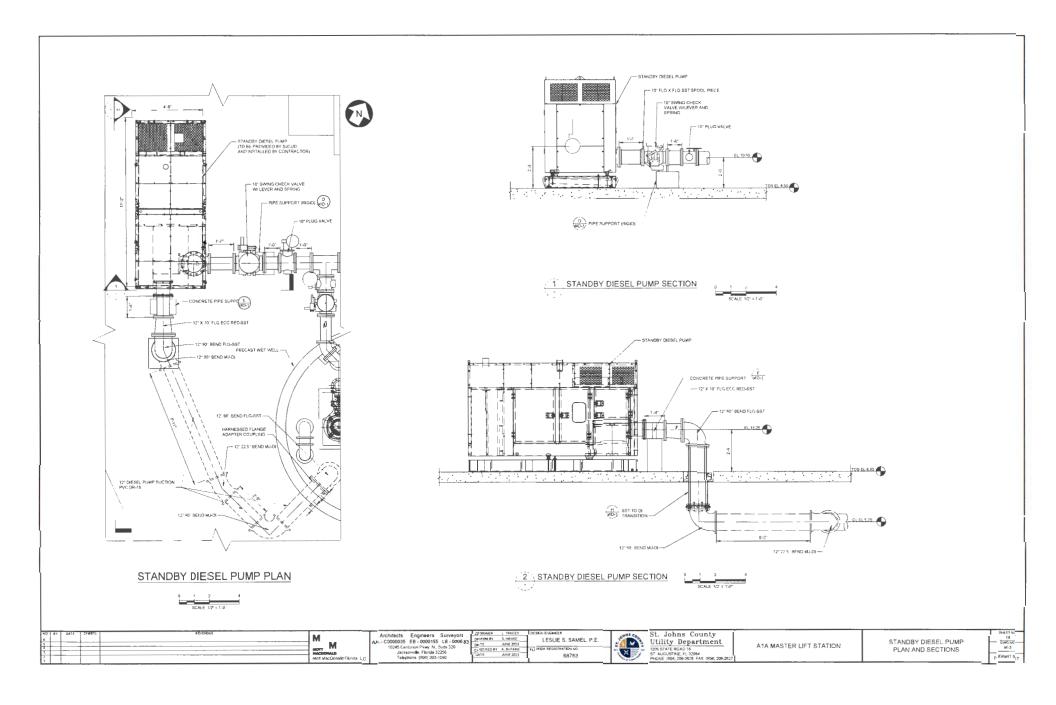
M M off MacDona LESLIE S. SAMEL, P.E. LORIDA REGISTRATION NO.

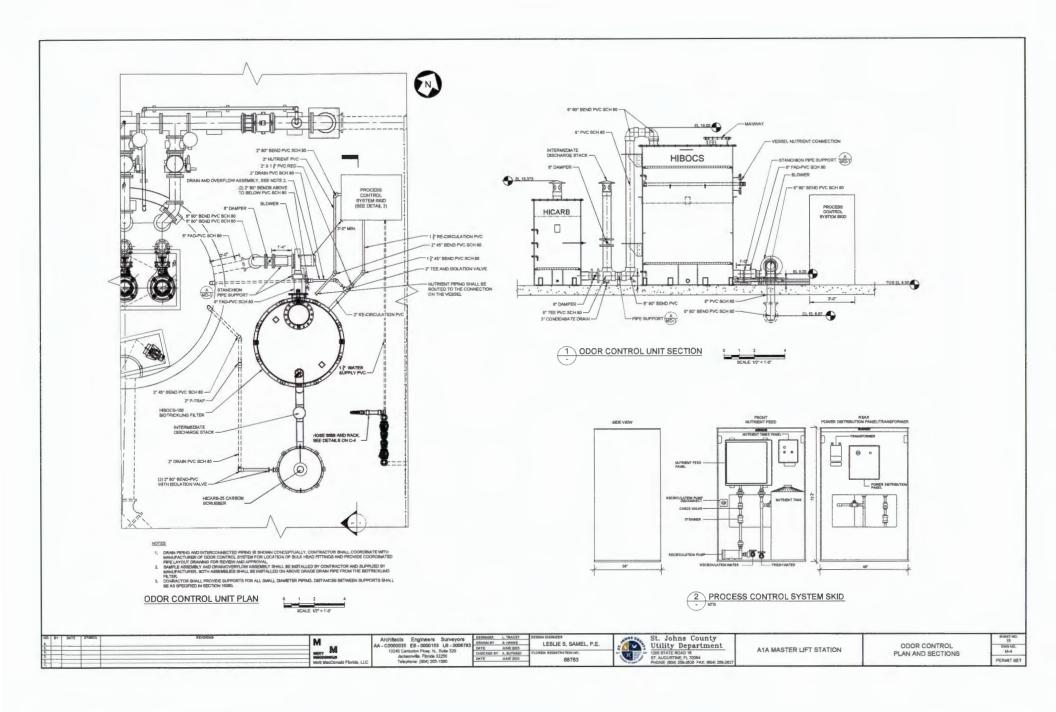


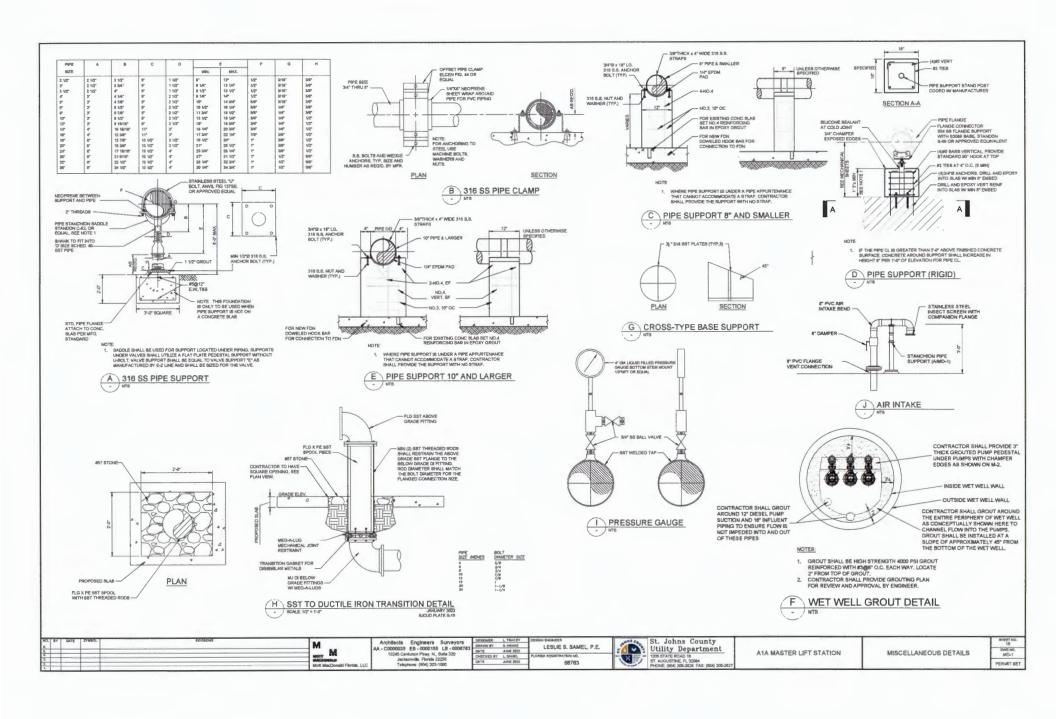
A1A MASTER LIFT STATION

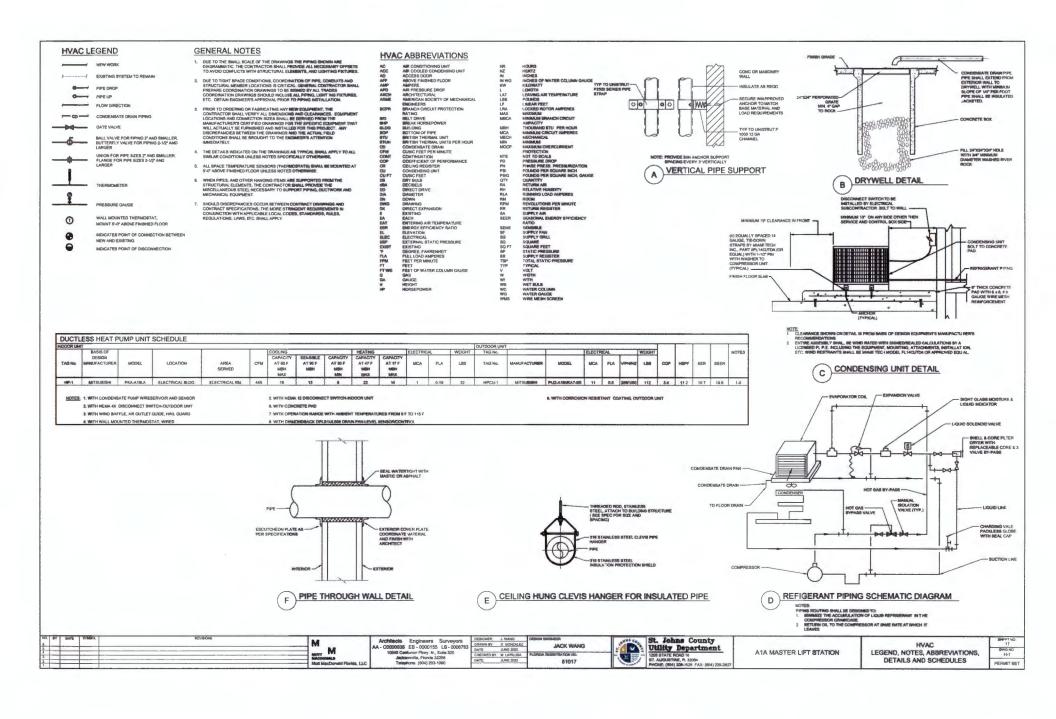
MECHANICAL LEGEND. SYMBOLS AND ABBREVIATIONS p ERMIT SET







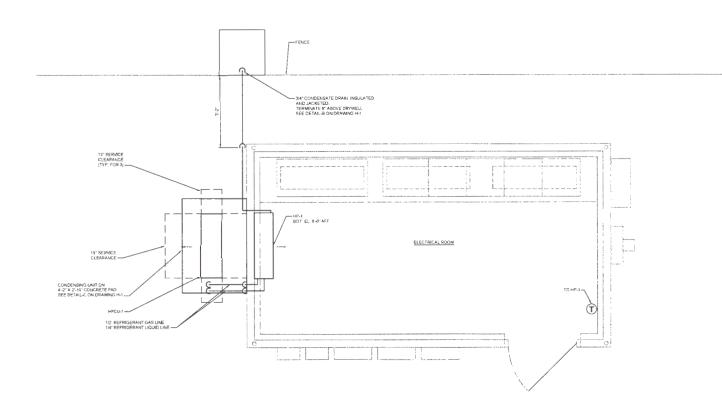






NOTES

REFRIGERANT PIPE SIZING AND LAYOUTS SHALL BE IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.



HVAC FLOOR PLAN

Architects Engineers Surveyors
AA - C0000005 EB - 0000155 LB - 0000750
10265 Centron Plwy N. Suids 200
Jackson-wills Portral 3/2256
Tallebrone (504) 203-10305

JACK WANG FLORIDA REGISTRATION NO. 81017



Utility Department
TOS RIATE ROAD TE
ST. AUGUSTINE FL. 1904 (2004-20)
PRINTE (1914) (2004-2007 FAX (1904) (2004-20)

A1A MASTER LIFT STATION

ELECTRICALBUILDING HVAC FLOGR PLAN

SHEFT NU 18 DAG NO H-2 ERMIT SIT

ELECTRICAL LEGEND

| P101 | CONDUIT "P101" (SEE CONDUIT AND CABLE SCHEDULE) | MCP 100 | CIRCUIT BREAKER (FRAME SIZE/TRIP RATING - "MCP" MOTOR CIRCUIT PROTECTOR) MAGNETIC TYPE COMBINATION MOTOR STARTER, NEMA |
|--------------------------|---|---------------------|--|
| | CONDUIT RUNS CONCEALED | FVNR | SIZE AS INDICATED ("FV" FULL_VOLTAGE, "RV" SOUD |
| | CONDUIT RUNS EXPOSED | SIZE 3 | STATE REDUCED VOLTAGE, "NR" NON-REVERSING, "R" REVERSING, "2S" TWO SPEED, "1W" SINGLE WINDING |
| | CONDUIT RUNS IN OUCT BANKS OR BELOW GRADE | | "2W" TWO WINDING, "LC" LIGHTING CONTACTOR) |
| o | CONQUIT TURNING UP | VFD | VARIABLE FREQUENCY DRIVE |
| • | CONDUIT TURNING DOWN | (15) O | MOTOR (NUMERAL INDICATES HORSEPOWER - "H" SPACE HEATER, "T" WINDING THERMOSTAT, |
| | CHANGE IN CONDUIT ELEVATIONS USING CONDUIT OUTLET BODIES. | | "M" MOISTURE DETECTOR) |
| | CONDUIT TERMINATED WITH WATERTIGHT CABLE CONNECTOR | ጙ፟፞፞ | POTENTIAL TRANSFORMER; CURRENT TRANSFORMER |
| | BRANCH CIRCUIT HOMERUN (ARROWS INDICATE | • R | PILOT LIGHT ("A" AMBER, "B" BLUE, "C" CLEAR, "G" GREEN, "R" RED, "W" WHITE) |
| *** | PANEL CIRCUITS, SHORT STROKES INDICATE PHASE OR SWITCHED CONDUCTORS, LONG STROKE DENOTES NEUTRAL, CURVED STROKE DENOTES GROUND. | Kø) | KIRK-KEY MECHANICAL INTERLOCK USING KEY ** |
| | (NO STROKES INDICATES 3/4" CONDUIT WITH 3/12 PHASE/NEUTRAL/GROUND CONDUCTORS). | ® | ASSOCIATED DEVICE "REMOTE" FROM MOTOR CONTROL CENTER OR CONTROL PANEL |
| <u> </u> | HANDHOLE, OR PULLBOX AS INDICATED ("E" ELECTRICAL, "C" COMMUNICATION)) | HOA | HAND/OFF/AUTOMATIC SELECTOR SWITCH CONTROL STATION |
| ₽SW | TYPICAL WIRING DEVICE NOTATIONS ("W" WEATHERPROOF OR "X" EXPLOSION PROOF | SO | SAFE OFF MOMENTARY PUSHBUTTON CONTROL STATION WITH LOCKING DEVICE |
| □ ₩ ₋₅ | DEVICE CONNECTED TO PANEL "L" CIRCUIT "5". ENCLOSING SQUARE DENOTES FLOORBOX) | ES | EMERGENCY STOP CONTROL STATION WITH SAFETY CABLES |
| Φ | RECEPTACLE | (A) [AS] | AMMETER AND AMMETER SWITCH |
| (| SPECIAL PURPOSE OUTLET | | HOURS OF OPERATION; ELAPSED TIME METER |
| ③ | JUNCTION BOX, PULL BOX | | VOLTMETER AND VOLTMETER SWITCH |
| <u>Š</u> | SINGLE POLE SWITCH CONTROLS FIXTURES | | CONTROL RELAY, INTERPOSING CONTROL RELAY |
| 03 | MARKED "b" ("2" 2 POLE, "3" 3 WAY, "T" TIME SWITCH, "M" MANUAL MOTOR STARTER) | (F) | GROUND FAULT PROTECTION SYSTEM |
| (T) | THERMOSTAT (UNE VOLTAGE TYPE WITH ON-OFF-AUTO SWITCH UNLESS NOTED). | PM | POWER MONITOR |
| 0 | , | (1) | TIME DELAY RELAY |
| <u>□\</u> \$ | SAFETY DISCONNECT SWITCH (AMPERAGE RATING/POLES/FUSE RATING — "NF" | PC | PRESSURE CONTROLLER |
| Ar L | NON-FUSED, "DT" DOUBLE-THROW) TELEPHONE OUTLET | OL) | OVERLOAD DEVICE; SURGE CONTROL PANEL |
| | TELEPHONE BACKBOARD | | LEVEL SWITCH |
| | LOW VOLTAGE PANELBOARD (208/120V) | (S) | ZERO SPEED SWITCH; POSITION SWITCH |
| = | HIGH VOLTAGE PANELBOARD (480/277V) | (PS) | PRESSURE SWITCH |
| | TYPICAL LIGHTING FIXTURE NOTATIONS (TYPE "E" | SV VC | SOLENOID VALVE: VALVE CONTROL ACTUATOR |
| E | CONNECTED TO CIRCUIT "2" AND SWITCH "b". SHADING DENOTES EMERGENCY UNIT, BRACKET | | ALARM HORN |
| | DENOTES WALL MOUNTING) | TV:3S | TRANSIENT VOLTAGE SURGE SUPPRESSION |
| | LINEAR/LAY-IN LIGHT FIXTURE | 244 | TIME CLOCK (CYCLE TIME/TYPE/MIN. SETTING - |
| Ю | WALL MOUNTED LIGHT FIXTURE | TC RC | TIME CLOCK (CYCLE TIME/TYPE/MIN. SETTING - "AC" ADJUSTABLE CYCLE, "M" MOMENTARY, "P" PULSE, "RC" REPEAT CYCLE) |
| 0 | CEILING/PENDANT MOUNTED LIGHT FIXTURE | (MOV) | MOTOR OPERATED VALVE |
| (*) | REFERENCE TO NOTE * | | |
| HAND_AUTO | PPICAL SELECTOR SWITCH CONFIGURATION 100° DENOTES SELECTOR SWITCH CONTACT CLOSED IN THE FIRS | noitizoq (diahi) të | |

INSTRUMENTATION LEGEND

FIELD MOUNTED INSTRUMENT

PANEL MOUNTED INSTRUMENT

BACK OF PANEL MOUNTED DEVICE

P&ID SIGNAL DESIGNATIONS

---- MODBUS TOP COMMUNICATIONS

| 'XY" | FIRST LETTER | SUCCEEDING LETTERS | "XYZ" | MISCELLANEOUS ABBREVIATIONS |
|------|--------------------|---------------------------|-------|--------------------------------------|
| A | ANALYTICAL | ALARM | ACM | ANALOG CONTROL MODULE |
| B | BURNER, COMBUSTION | ALCOM | Al | ANALOG INPUT SIGNAL |
| c | BONNEY, COMBOSTION | CONTROLLER | AMM | ANALOG MONITOR MODULE |
| D | DIFFERENTIAL | 001111000011 | AO | ANALOG OUTPUT SIGNAL |
| E | VOLTAGE | SENSOR, PRIMARY ELEMENT | ARV | AIR RELEASE VALVE |
| F | FLOW | | CL. | CHLORINE RESIDUAL MEASUREMENT |
| G | | GLASS, VIEWING DEVICE | DCM | DIGITAL CONTROL MODULE |
| Н | HAND | HIGH | Di | DIGITAL INPUT SIGNAL |
| ł | CURRENT | INDICATE | DO | DIGITAL OUTPUT SIGNAL |
| J | POWER | | FOR | FORWARD-OFF-REVERSE SELECTOR SWITCH |
| K | TIME | CONTROL STATION | HOA | HAND-OFF-AUTOMATIC SELECTOR SWITCH |
| L | LEVEL | LOW | ICP | INSTRUMENTATION/CONTROL PANEL |
| М | | MIDDLE, INTERMEDIATE | MCC | MOTOR CONTROL CENTER |
| N | | - | MIP | MAIN INSTRUMENTATION PANEL |
| 0 | | ORIFICE | Ol | OPERATOR INTERFACE |
| P | PRESSURE, VACUUM | POINT | PCM | PUMP CONTROL MODULE |
| Q | QUANTITY | | PLC | PROGRAMMABLE LOGIC CONTROLLER MODULE |
| R | RADIATION | RECORDER | PSM | POWER SUPPLY MODULE |
| S | SPEED, FREQUENCY | SWITCH | RIM | RADIO INTERFACE MODULE |
| Т | TEMPERATURE | TRANSMITTER | RTU | REMOTE TELEMETRY UNIT |
| U | MULTIVARIABLE | MULTIFUCTION | S/C | SIGNAL CONVERTER |
| ٧ | VIBRATION | VALVE, DAMPER, LOUVER | S/I | SIGNAL ISOLATOR |
| ₩ | WEIGHT, FORCE | WELL | S/P | SURGE PROTECTOR |
| Х | | | VFD | VARIABLE FREQUENCY DRIVE |
| Y | EVENT | RELAY, COMPUTE, CONVERTER | XLPE | CROSS-LINKED POLYETHYLENE |
| Z | POSITION | ACTUATOR | | |

ELECTRICAL CONNECTED LOAD CALCULATIONS

| WASTEWATER PUMP 1 WASTEWATER PUMP 2 WASTEWATER PUMP 3 WET WELL MIXER ODOR CONTROL BLOWER | 2 | HP 65 HP 65 HP 4 | AMPS AMPS AMPS AMPS AMPS |
|--|-----------|------------------------|--------------------------------------|
| ODOR CONTROL PUMP | 0.5 | HP | 1 AMPS |
| TOTAL CONNECTED MOTOR MOTOR DEMAND FACTOR | LOAD | 205 100 | AMPS |
| TOTAL MOTOR DEMANO LOA | Д 30 к | | AMPS |
| TOTAL CONNECTED LOAD | | 24 | 1 AMPS |

FLECTRICAL SERVICE LOAD CALCULATIONS

| TOTAL CONNECTED LOAD | 241 AMPS |
|----------------------------|----------|
| TOTAL NON-CONCIDENTAL LOAD | 0 AMPS |
| PEAK DEMANO LOAD | 241 AMPS |
| 0.25 X LARGEST MOTOR | 17 AMPS |
| MIN SERVICE AMPACITY | 258 AMPS |

ELECTRICAL SERVICE: 400 AMP, 480 VOLT, 3 PHASE

NEW ELECTRICAL SERVICE TRANSFORMER

FPL SERVICE TRANSFORMER
FPL FAULT CURRENT LETTER 3C0 KVA 9,864 AMP S

THE ELECTRICAL SERVICE EQUIPMENT SHALL BE LEGBLY MARKED IN THE PELD WITH THE MASHAM AVAILABLE FAULT CURRENT PER NEC 10.2%. THE FELD WITH THE MASHAM AVAILABLE FAULT CURRENT FOR SHALL CURRENT FAULT CURRENT FOR SHA MARKEN FAUNTHER. THE VALUE DOES NOT INCLUDE MOTION CONTRIBUTION. THE MAXIMUM AVAILABLE FAULT CURRENT VALUE TO BE USED FOR THE SERVICE COMPANY FELD MARKING SHALL BE PROVIDED BY THE SHORT CIRCUIT STUDY SPECIFIED IN SECTION 1001D ELECTRICAL SYSTEM ANALYSIS.

"OOX" DENOTES SELECTOR SWITCH CONTACT CLOSED IN THE THIRD (AUTO) POSITION

MOTT M

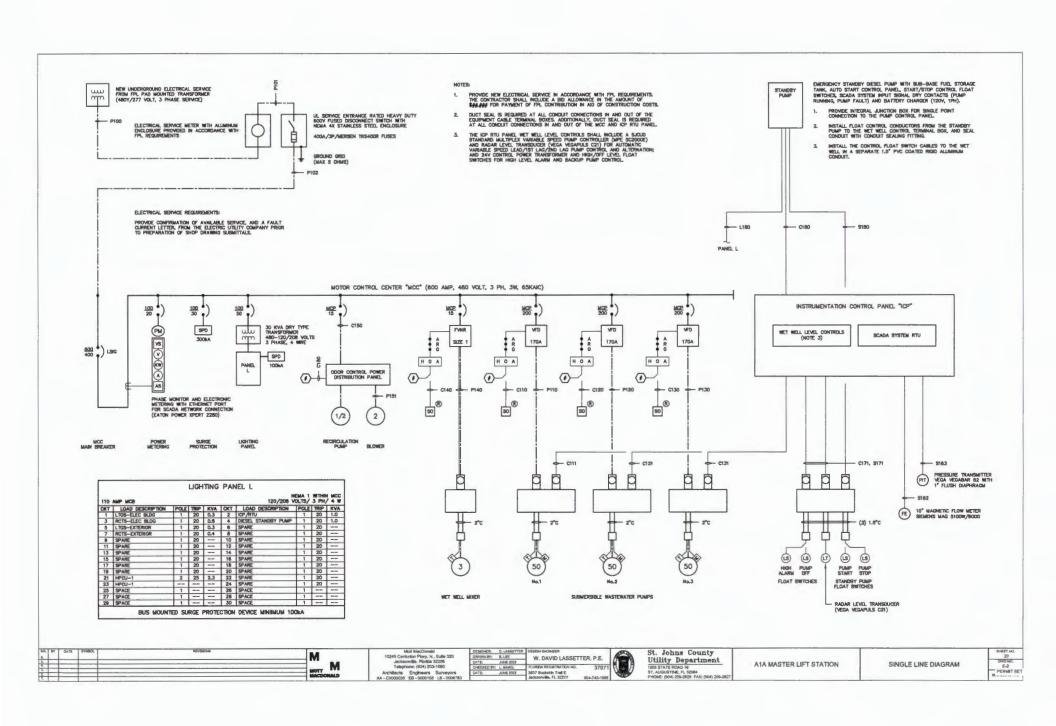
W. DAVID LASSETTER, P.E. PLANE RECUSTRATION NO

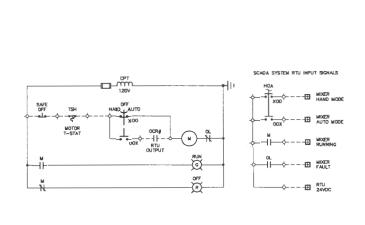


St. Johns County Utility Department
1205 STATE ROAD 16
ST. AUGUSTINE, Ft. 32584
PHONE: (904) 209-2626 FAX: (904) 209-263

A1A MASTER LIFT STATION

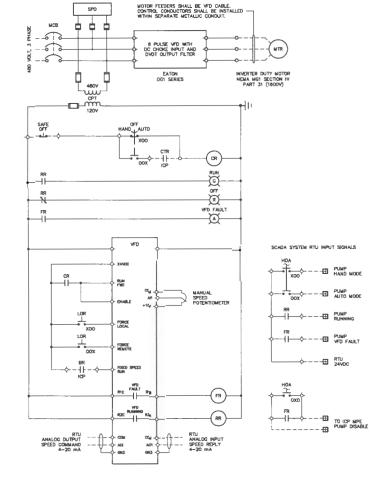
ELECTRICAL LEGEND AND SCHEDULES





SUBMERSIBLE MIXER CONTROL WIRING DIAGRAM





| MÖ. | BA | DATE | EAMBOL | Hr-VDBDH5 | |
|-----|----|------|--------|-----------|-------|
| 8. | | 1 | | | R/I |
| ٩. | | | | | |
| 4. | | | | | |
| 3. | | | | | M OTT |
| 7. | - | | | | WACDO |
| 1, | _ | | | | |

Milit MacDonald

10245 Cherkinder Plays, N. Sull- 320
Jackson-ille, Fündas 32756
Telephone, 1694 (20)-1006
Architects Engineers Sunveyors
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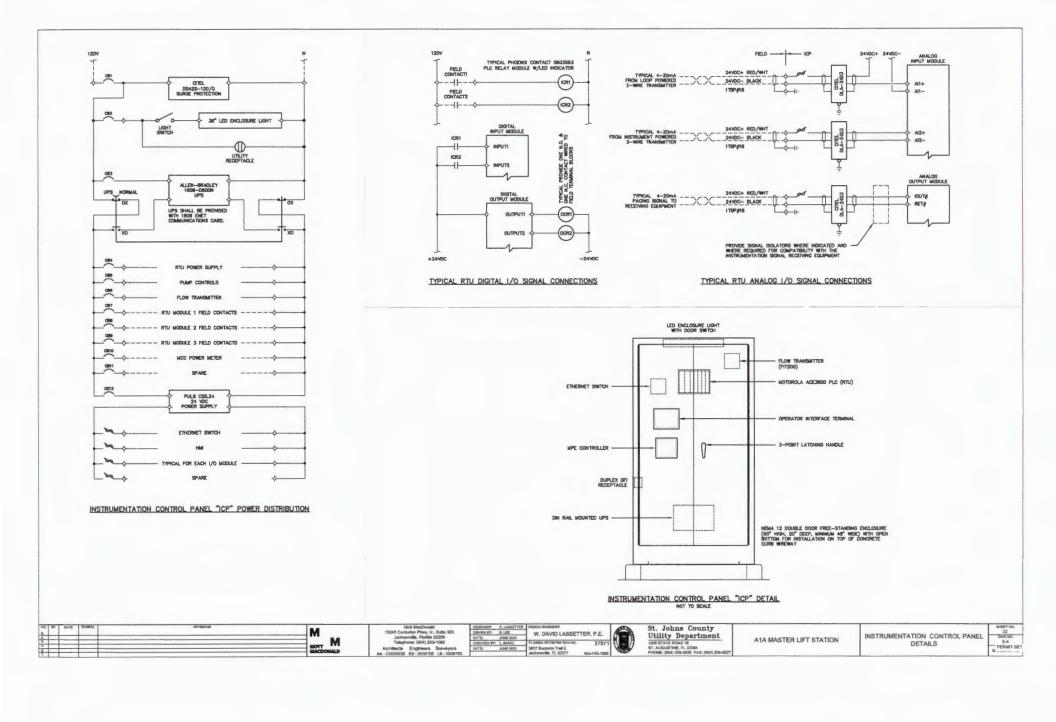
71 Utility 1206 STATE ROS STATE ROS STATE ROS PHONE: (904) 2

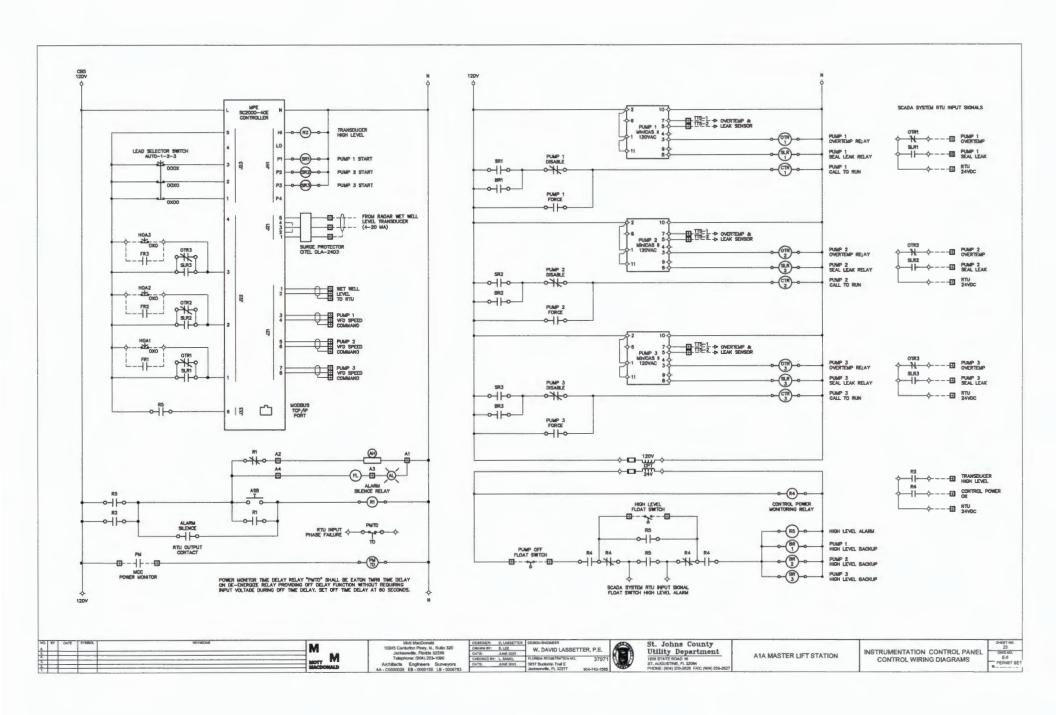
St. Johns County
Utility Department
1206 STATE ROAD 16
ST. AUGUSTINE. FL 32084
PHONE: (904) 220-2626 FAX: (904) 299-1/27

A1A MASTER LIFT STATION

CONTROL WIRING DIAGRAMS

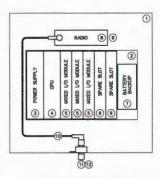
21 DWG NO. E-3 PERMITSET



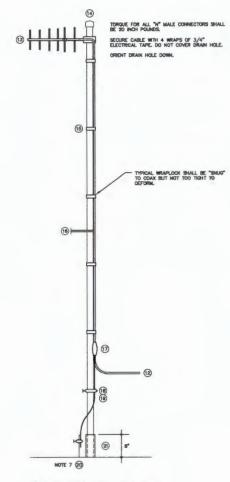


SCADA SYSTEM NOTES:

- THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A SUCUL PRE-APPROVED SCADA SYSTEM INTEGRATOR TO PROVIDE THE COMPILER MASTER LET STATION LOCAL INSTRUMENTATION AND CONTROL SYSTEM INCLUDING NEW SCADA SYSTEM RTU, ANTENNA, AND ANTENNA MAST.
- THE EXISTING SUCUO CENTRAL SCADA SYSTEM, SHALL BE MODIFIED BY THE SCADA SYSTEM INTEGRATOR TO FULLY INCORPORATE THE NEW FACILITIES.
- THE CONTRACTOR AND THE SCADA SYSTEM INTEGRATOR SHALL COORDINATE THE SCADA SYSTEM RTU, RADIO AND ANTENNA INSTALLATION WITH THE SACUE SCADA SYSTEM SHEEPINGS.
- THE SCADA SYSTEM RTU SHALL BE A SUCIO STANDARD MOTOROLA ACCISION RTU CONFIGURED WITH 1/0 MODULES AS INDICATED. PROVIDE POWER AND SIGNAL LINE SURGE PROTECTION.
- PRIOR TO SHOP DRAWING SUBMITTALS, THE INSTRUMENTATION SYSTEM INTEGRATOR SHALL COMPRIN RADIO/ANTENNA SELECTION WITH THE SUCUD SCADA SYSTEM SUPPERVISOR.
- B. IN ORDER TO MAINTAIN FCC PART 15 COMPLIANCE, ALL ANTENNA WORK MUST
- ANTENNA MAST GROUND ROD SHALL BE BONDED (UNDERGROUND) TO THE STATION ELECTRICAL SYSTEM GROUNDING GRD.
- 8. ALL "LIGHTNING PROTECTION" GROUNDING CONDUCTORS SHALL HAVE AM EVEN SLOPE FROM POINT OF CONTACT TO THE GROUND ROD (NO 90" BENOS).
- ALL GROUND CONTACT POINTS SHALL BE PROTECTED BY AN ANTI-COMPATION COMPOUND.
- 10. ALL RF CONNECTORS SHALL BE TIGHTENED TO MANUFACTURER SPECIFICATIONS, AND SHALL BE PROPERLY SEALED. COLD SHRINK IS NOT ACCEPTABLE.
- 11. DRAIN HOLES ON ANTENNAS MUST BE ORIENTED DOWN.
- ALL THREADED CONNECTIONS, EXCEPT ANTENNA CONNECTIONS, SHALL BE PROTECTED WITH ANTI-SEIZE TREATMENT.
- PROVIDE DIN RAIL ON BACK PLANE AT THE RTU RADIO MOUNTING LOCATION FOR THE 44F RADIO MOUNTING BRACKET. MOUNT THE DIN RAIL USING EXISTING TAPPED SCREW HOLES. DO NOT DRILL AND TAP NEW HOLES.



SCADA SYSTEM RTU DETAIL
NOT TO SCALE



SCADA SYSTEM ANTENNA DETAIL
NOT TO SCALE

| ITEM | DESCRIPTION | |
|------|--|---------------------|
| 1 | MOTOROLA ACE3600 METAL CHASSIS | V056 |
| 2 | MOTOROLA ACE3800 5 1/O SLOT FRAME | V108 |
| 3 | MOTOROLA ACE3600 AC POWER SUPPLY WITH BATTERY CHARGER | V26 |
| 4 | MOTOROLA ACE3600 RTU WITH UPGRADE TO CPU3680 AND SECURITY ENABLE OPTION | F7509/V448/VA00380A |
| * | MOTOROLA CPU PLUG-IN ETHERNET 10/100 M PORT | V21: |
| 5 | MOTOROLA ACE3600 MIXED I/O MODULE 16DI, 4DO EE, 4AI, ±20 mA WITH FLOATING POWER SUPPLY | V245/V260 |
| 6 | MOTOROLA ACE3600 BLANK I/O MODULE | V2 |
| 7 | MOTOROLA BATTERY POWER CABLE | FION837 |
| , | BATTERY BACKUP 12V, 7AH, SEALED RECHARGEABLE SLA BATTERY, TOYO-USP 6FMS7 | |
| | 4RF DIGITAL RADIO MODEL APSQ-N220-SSC-HD-22-ENAA | |
| 8 | 4RF DIGITAL RADIO DIN RAIL MOUNTING BRACKET APSB-MBRK-DIN (NOTE 13) | |
| | RADIO POWER CABLE 12VDC WITH PLUG COMPATIBLE WITH MOTOROLA POWER SUPPLY | |
| 9 | RADIO COMMUNICATION CABLE TYPE 5688 ETHERNET CABLE, 1M | |
| 10 | LMR-195 FLEXIBLE COAX, RIGHT ANGLE N MALE/RIGHT ANGLE THE MALE CONNECTORS, 36" LONG | |
| 11 | TIMES MICROWAVE LP-HBX-NFF COAX SURGE ARRESTER | |
| 12 | TIMES MICROWAVE LMR-400-DB COAX, TYPE N MALE CONNECTORS EZ-400-NMH-D | |
| 13 | SAMCO ANTENNAS MODEL SAM-260 | |
| 14 | ANTENNA MAST 2" x 20' LONG SCHEDULE 40 ALUMINUM PIPE, TOP WELDED CLOSED | |
| 15 | 1/2" SS WRAPLOCK BANDS, 3' ON CENTER, TIE WRAPS ARE NOT ACCEPTABLE. | |
| 16 | TYPE 316 STAINLESS STEEL STANDOFF SUPPORT BRACKET | |
| 17 | TESSCO GK-S38 COAX GROUND KIT | |
| 18 | GROUNDING CLAMP RATED FOR DIRECT BURIAL | |
| 19 | NO.2 AWG SOLID TINNED COPPER CONDUCTOR | |
| 20 | COPPER CLAD STEEL GROUND ROD, 3/4" DIAMETER, 20' LONG | |
| 21 | 2.5" SCHEDULE 40 GRAY PVC CONDUIT SLEEVE THROUGH SLAB | |
| 22 | ETHERNET SWITCH CISCO IE3300-8T2S-E | |
| 23 | OPERATOR INTERFACE TERMINAL (OIY) MAPLE SYSTEMS CMT2158X | |

| | MIXED I/O MODULE | | MIXED I/O MODULE | MIXED I/O MODULE | | |
|----|-----------------------|----|-----------------------------|------------------|--------------------|--|
| DI | SIGNAL DESCRIPTION | DI | SIGNAL DESCRIPTION | DI | SIGNAL DESCRIPTION | |
| 01 | PUMP 1 HAND MODE | 01 | PUMP 2 HAND MODE | 01 | PUMP 3 HAND MODE | |
| 02 | PUMP 1 AUTO MODE | 02 | PUMP 2 AUTO MODE | 02 | PUMP 3 AUTO MODE | |
| 03 | PUMP 1 RUNNING | 03 | PUMP 2 RUNNING | 03 | PUMP 3 RUNNING | |
| 04 | PUMP 1 VFD FAULT | 04 | PUMP 2 VFD FAULT | 04 | PUMP 3 VFD FAULT | |
| 05 | PUMP 1 OVERTEMP | 05 | PUMP 2 OVERTEMP | 05 | PUMP 3 OVERTEMP | |
| 06 | PUMP 1 SEAL LEAK | 06 | PUMP 2 SEAL LEAK | 06 | PUMP 3 SEAL LEAK | |
| 07 | SPARE | 07 | SPARE | 07 | SPARE | |
| 08 | SPARE | 08 | SPARE | 08 | SPARE | |
| 09 | SPARE | 09 | MIXER HAND MODE | 09 | SPARE | |
| 10 | HIGH LEVEL ALARM | 10 | MIXER AUTO MODE | 10 | SPARE | |
| 11 | TRANSDUCER HIGH LEVEL | 11 | MIXER RUNNING | 11 | SPARE | |
| 12 | MCC POWER OK | 12 | MIXER FAULT | 12 | SPARE | |
| 13 | CONTROL POWER OK | 13 | ODOR CONTROL SYSTEM RUNNING | 13 | SPARE. | |
| 14 | UPS ON BATTERY | 14 | ODOR CONTROL SYSTEM FAULT | .14 | SPARE | |
| 15 | UPS TROUBLE | 15 | DIESEL STANDBY PUMP RUNNING | 15 | SPARE | |
| 16 | RTU INTRUSION | 16 | DIESEL STANDBY PUMP FAULT | 16 | SPARE | |
| DO | SIGNAL DESCRIPTION | DO | SIGNAL DESCRIPTION | DO | SIGNAL DESCRIPTION | |
| 01 | PUMP 1 DISABLE | 01 | PUMP 2 DISABLE | 01 | PUMP 3 DISABLE | |
| 02 | PUMP 1 REMOTE RUN | 02 | PUMP 2 REMOTE RUN | 02 | PUMP 3 REMOTE RUN | |
| 03 | ALARM SILENCE | 03 | MIXER START/STOP | 03 | SPARE | |
| 04 | SPARE | 04 | SPARE | 04 | SPARE | |
| Al | SIGNAL DESCRIPTION | Al | SIGNAL DESCRIPTION | Al | SIGNAL DESCRIPTION | |
| 01 | PUMP 1 VFD SPEED | 01 | PUMP 2 VFD SPEED | 01 | PUMP 3 VFD SPEED | |
| 02 | WET WELL LEVEL | 02 | SPARE | 02 | SPARE | |
| 03 | FORCE MAIN PRESSURE | 03 | SPARE | 03 | SPARE | |
| 04 | PUMP STATION FLOW | 04 | SPARE | 04 | SPARE | |

| Y | DATE | BYMBOL. | REVISIONE | M |
|---|------|---------|-----------|------|
| - | | - | | |
| - | | | | MACE |

| M | Mott MacDonald 10245 Centurion Phwy, N., Suite 320 Jacksonville, Floride 32266 Tallaphone: (904) 203-1090 | | | | |
|---|--|--|--|--|--|
| | Architects Engineers Surveyors AA - C0000035 EB - 0000155 LB - 0006783 | | | | |

| 7 | DEBIGHER: | D. LASSETTER | DESIGN ENGINEER | |
|---|-------------|--------------|--------------------------|----------|
| | DRAWN BY: | D. LEE | W. DAVID LASSET | TER PE |
| | DATE | AINE 2023 | TI. BATIO E-GOL | |
| | CHECKED BY: | L SANCL | FLORIDA REGISTRATION NO. | 37 |
| | DATE: | JUNE 2023 | 3837 Buckekin Trail E | |
| | | | Jacksonville, FL 32277 | 904-743- |

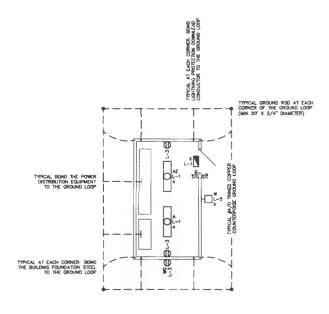


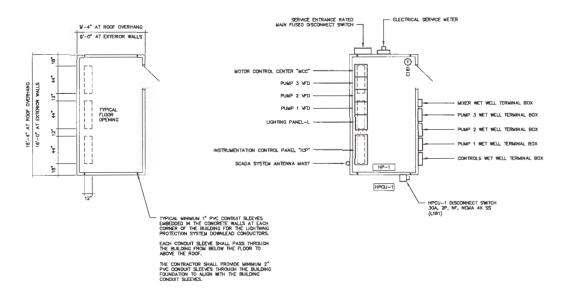
| A1A | MAST | TER | LIFT | STATI | 0 |
|---------|--------|-----|------|---|---|
| , , , , | 111010 | | | 0.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | _ |

| INSTRUMENTATION | CONTROL | PANEL |
|------------------------|---------|-------|
| RTU DE | TAILS | |
| | | |

NOTES:

. PROVIDE UL MASTER LABEL LICHTNING PROTECTION SYSTEM FOR THE ELECTRICAL BUILDING.





ELECTRICAL BUILDING - LIGHTING PLAN

1/4" = 1'-0"

LIGHTING CONTROL DESCRIPTIONS:

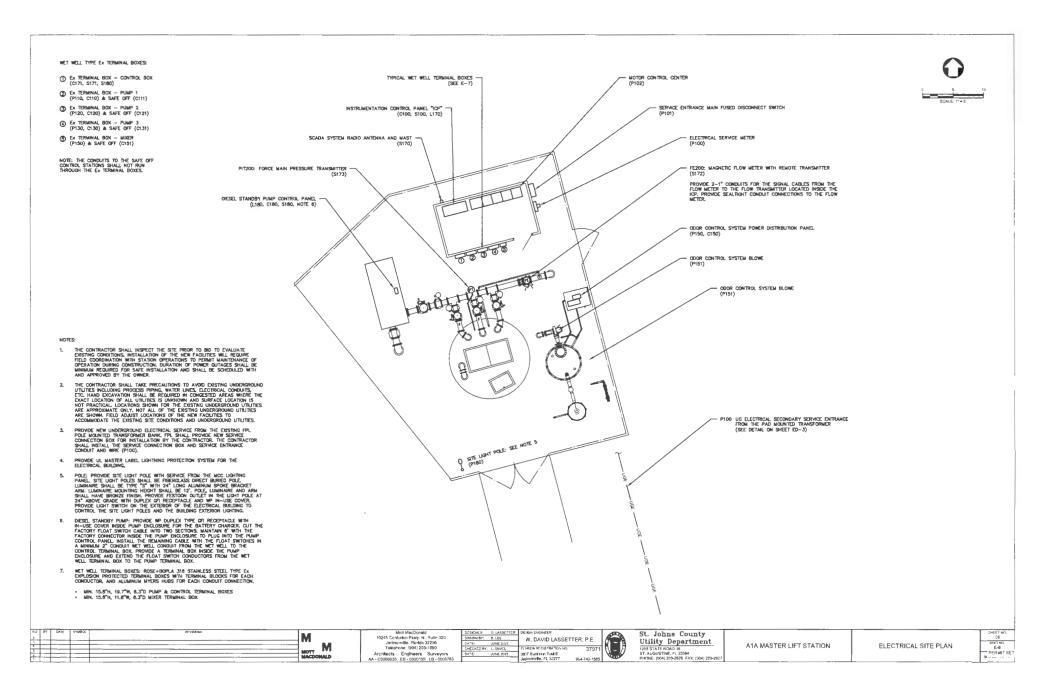
- OS1: MANUAL ON, FULL AUTOMATIC OFF VIA OCCUPANCY SENSOR, LINE VOLTAGE PIR OCCUPANCY SENSOR WALL SWITCH WITH ON/OFF CONTROL
- EXTERIOR LIGHT SWITCH "b" SHALL ALSO SWITCH ON THE SITE LIGHT POLE LIGHTS.

ELECTRICAL BUILDING - FLOOR OPENINGS

ELECTRICAL BUILDING - POWER PLAN



| NO DY DATE SYMBOL HEVISIONS | | DESIGNER: D, LASSETTER DESIGN ENGINEER | A STORY | St. Johns County | | | SHEET MU. |
|-----------------------------|---|---|--------------|---|-------------------------|-------------------------------|------------|
| · M | 10245 Centurion Pkwy. N., Suite 320 | CRAWN BY: B.LEE W. DAVID LASSETTER, P.E. | / Allemanica | Utility Department | | ELECTRICAL BUILDING | 25 |
| | Jacksonville, Florida 32256 | CATE: JUNE 2/21 | 10. | Utility Department | A1A MASTER LIFT STATION | ELECTRICAL BUILDING | DAYG NO. |
| : | Telephone. (904) 203-1090 | CHECKEE BY: L. SAMEL FLORIDA REGISTRATION NO. 37971 | 117 - 19 | 1205 STATE ROAD 16 | ATA MASTER EIFT STATION | POWER AND LIGHTING PLANS | E+/ |
| | Architects Engineers Surveyors | DATE. JUNE 2023 3837 Buckekin Trail E | | ST, AUGUSTINE, FL 32084 | | TOTAL CONTROL CONTROL CONTROL | PERMIT SET |
| INCOORALD | AA - C0000035 EB - 0000155 LB - 0006783 | Jacksonville, FL 32277 9(4-743-1585 | 400 | PHONE: (904) 209-2626 FAX: (904) 209-2627 | | | 9 |
| MACDONALD | AA - C0000035 EB - 0000155 LB - 0006783 | Jacksonville, FL 32277 964-743-1585 | VIII. | PHONE: (904) 209-2626 FAX: (904) 209-2627 | | | 9 |



| CONDUIT | | | CA | BLE | | mau | то | FOR | NOTES |
|---------|------|-------|------|----------------|------|--------------------------|---------------------------|----------------|--------|
| NO. | SIZE | COND. | AWG | TYPE | VOLT | FROM | 10 | POR | HOIES |
| P100 | 4.00 | 3 | 500 | XHHW | 600 | SERVICE TRANSFORMER | SERVICE METER | POWER | |
| P100 | 4.00 | 3 | 4/0 | XHHW | 600 | SERVICE TRANSFORMER | SERVICE METER | NEUTRAL | |
| P101 | 4.00 | 3 | 500 | XHHW | 600 | SERVICE METER | MAIN DISCONNECT SWITCH | POWER | 1 |
| P101 | 7.00 | 3 | 4/0 | XHHW | 600 | SERVICE METER | MAIN DISCONNECT SWITCH | NEUTRAL | - |
| P102 | 4.00 | 3 | 500 | XHHW | 600 | MAIN DISCONNECT SWITCH | MOTOR CONTROL CENTER | POWER | - |
| P102 | 4.00 | 3 | 4/0 | XHHW | 600 | MAIN DISCONNECT SWITCH | MOTOR CONTROL CENTER | GROUND | |
| 102 | - | - | 4/0 | Armin | 000 | WALL DISCOULED SHITCH | MOTOR CONTINUE CENTER | Groons | _ |
| C100 | X.XX | XX | 14 | XHHW | 600 | MOTOR CONTROL CENTER | ICP/RTU PANEL | DIGITAL I/O | 1 |
| S100 | XXX | XXTSP | 18 | XLP | 600 | MOTOR CONTROL CENTER | ICP/RTU PANEL | ANALOG I/O | - |
| 3100 | A-AA | AAISE | 10 | ALF | 900 | MOTOR CONTROL CENTER | IOF/RID FAMEL | ANALOG 170 | |
| P110 | 2.00 | 3 | 2 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 1 Ex TERMINAL BOX | POWER | - |
| P110 | 2.00 | 1 | 4 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 1 Ex TERMINAL BOX | GROUND | |
| C110 | 0.75 | 4 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 1 Ex TERMINAL BOX | TS. MO | |
| C111 | 0.75 | 3 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 1 SAFE OFF | CONTROL | |
| CIII | 0.75 | 3 | 14 | YHHW | 600 | MUTOR CONTROL CENTER | PUMP I SAFE UFF | CONTROL | |
| 0400 | 0.00 | - | - | No. of St. St. | 600 | MOTOR COMPRES OFFITTE | DUBLIN D. F. TERMINAL DOV | DOWER | |
| P120 | 2.00 | 3 | 2 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 2 Ex TERMINAL BOX | POWER | |
| P120 | | 1 | 4 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 2 Ex TERMINAL BOX | GROUND | |
| C120 | 0.75 | 4 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 2 Ex TERMINAL BOX | TS, MD | |
| C121 | 0.75 | 3 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 2 SAFE OFF | CONTROL | |
| | | | | | _ | | | | |
| P130 | 2.00 | 3 | 2 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 3 Ex TERMINAL BOX | POWER | |
| P130 | | 1 | 4 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 3 Ex TERMINAL BOX | GROUND | |
| C130 | 0.75 | 4 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 3 Ex TERMINAL BOX | TS, MD | |
| C131 | 0.75 | 3 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 3 SAFE OFF | CONTROL | |
| | | | | | | | | | |
| P140 | 0.75 | 4 | 12 | XHHW | 600 | MOTOR CONTROL CENTER | MIXER EX TERMINAL BOX | POWER, GROUND | |
| P140 | | 4 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | MIXER EX TERMINAL BOX | TS | |
| C141 | 0.75 | 3 | 14 | XHHW | 600 | MOTOR CONTROL CENTER | PUMP 3 SAFE OFF | CONTROL | |
| | | | | | | | | | |
| P150 | 0.75 | 4 | 10 | XHHW | 600 | MOTOR CONTROL CENTER | ODOR CONTROL PANEL | POWER, GROUND | |
| C150 | 0.75 | 5 | 14 | XHHW | 600 | ICP/RTU PANEL | ODOR CONTROL PANEL | DIGITAL I/O | |
| P151 | 0.75 | 4 | 12 | XHHW | 600 | ODOR CONTROL PANEL | ODOR CONTROL BLOWER | POWER, GROUND | |
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| L160 | 0.75 | 4 | 12 | XHHW | 600 | LIGHTING PANEL L | SITE LIGHT POLE/RCPT | POWER, GROUND | L-5, 7 |
| L181 | 0.75 | 2 | 10 | XHHW | 600 | LIGHTING PANEL L | HPCU-1 | POWER | L-21 |
| L161 | 0.75 | 1 | | XHHW | | LIGHTING PANEL L | HPCU-1 | GROUND | 10-21 |
| | 0.75 | | 12 | XHHW | 600 | HP-1 | TSTAT | TSTAT CABLE | |
| C161 | 0.75 | | | | | HP-1 | ISIAI | ISTAT CABLE | |
| 1470 | 0.75 | - | 40 | W1.13.1940 | 800 | HOURNO DANEL I | ICP/RTU PANEL | POWER, GROUND | L-2 |
| L170 | 0.75 | 3 | 12 | XHHW | 600 | LIGHTING PANEL L | | | L-Z |
| S170 | 2.00 | | | | | ICP/RTU PANEL | ANTENNA | ANTENNA CABLE | |
| C171 | 0.75 | 5 | 14 | XHHW | XLP | ICP/RTU PANEL | CONTROLS EX TERMINAL BOX | DIGITAL I/O | |
| 5171 | 0.75 | 2TSP | 18 | XLP | 600 | ICP/RTU PANEL | CONTROLS EX TERMINAL BOX | ANALOG I/O | |
| 5172 | 2-1" | | | | | ICP/RTU PANEL | FLOW METER | SENSOR CABLES | |
| S173 | 0.75 | 1TSP | 18 | XLP | 600 | ICP/RTU PANEL | PRESSURE TRANSMITTER | ANALOG I/O | |
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| L180 | 0.75 | 3 | 12 | XHHW | 600 | LIGHTING PANEL L | DIESEL STANDBY PUMP | POWER, GROUND | L-4 |
| C180 | 0.75 | 5 | 14 | XHHW | 600 | ICP/RTU PANEL | DIESEL STANDBY PUMP | DIGITAL I/O | |
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| A | HOLOPHANE | EMS L58 BOOOLM IMAFL MD 120 GZ10 40K BOCRI | LED | 120 | 45 | CEILING | |
| AE | HOLOPHANE | EMS L48 BOOOLM IMAFL MD 120 GZ10 40K BOCRI | LED | 120 | 45 | CEILING | EMERGENCY LIGHTING E10WMCP BATTERY PACK |
| s | RAB | A17 5T 100 SF N 120 WITH A17-SF-KIT DARK BRONZE FINISH | LED | 120 | 100 | POLE | ROUND TAPERED FIBERGLASS POLE, NOTE 2 |
| w | LITHONIA | THW LED 20C 1000 40K T3M 120 PER D08XD WITH DLL127F 1.5 JJ | LED | 120 | 72 | WALL | |
| х | LITHONIA | LHQM LED R | LED | 120 | 5 | WALL | EXIT/EMERGENCY |

LIGHTING FIXTURE NOTES:

- ALTERNATE LIGHT FIXTURE SUBMITTALS SHALL INCLUDE PHOTOMETRIC CALCULATIONS FOR EACH AREA FOR WHICH THE ALTERNATE LIGHT FIXTURE IS PROPOSED, ELECTRONIC COMES OF THE ASSOCIATED IES FILES, AND A WRITTEN COMPARISON OF THE CONSTRUCTION, OPTICS, AND ELECTRICAL FFATURES OF THE ALTERNATE LIGHT PIXTURE WITH THE BASS OF DESIGN LIGHT PIXTURE LISTED ABOVE.
- 2. COMPLETE LIGHT POLE ASSEMBLIES WITH FIXTURES AND BRACKET ARMS SHALL BE RATED FOR MINIMUM 142 MPH WIND WITH 1.5 GUST FACTOR.

| BY | DATE | SYMBOL | REVISIONS | М |
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| | | | | MACDONALD |

Molt MacDoneld 10245 Centurion Playy, N., Suite 325 Jectsonville, Floride 32256 Telephone: (904) 203-1080 Architects Engineers Surveyo | CHECHOP: C, LARRITTUR | CHECKIN ENDAMERY | COMMINEY: B, LEE | COMPONENT | CO

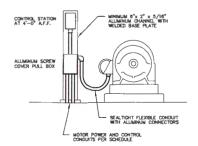


St. Johns County
Utility Department
1206 STATE ROAD 16
ST. AUGUSTINE, F1 32084
PHONE: (804) 209-28527

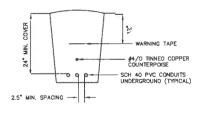
A1A MASTER LIFT STATION

CONDUIT AND CABLE SCHEDULE

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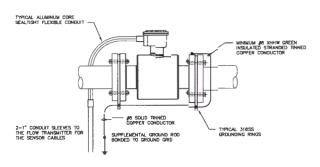


TYPICAL MOTOR CONNECTION



TYPICAL DIRECT BURIED CONDUIT DETAIL
NOT TO SCALE

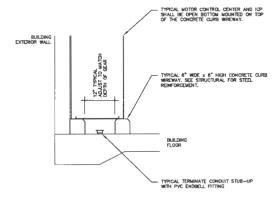
NOTE: SEE ELECTRICAL SITE PLAN AND CONDUIT AND CABLE SCHEOULE FOR NUMBER AND SIZE OF CONOUITS



TYPICAL MAGNETIC FLOW METER DETAIL NOT TO SCALE

NOTES

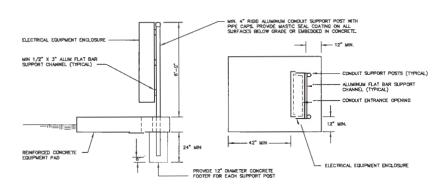
- FLOW TUBE SHALL HAVE A MINIMUM OF 5 STRAIGHT PIPE DIAMETERS UPSTREAM AND 2 STRAIGHT PIPE DIAMETERS DOWNSTREAM.
- 2. PROVIDE GROUNDING RINGS (BOTH SIDES).



TYPICAL CONCRETE CURB WIREWAY DETAIL
NOT TO SCALE

NOTES:

 PROVIDE ALUMINUM CHECKERED PLATE COVER ON TOP OF THE OPEN AREAS OF THE CONCRETE CURB WIREWAY.



TYPICAL ELECTRICAL EQUIPMENT MOUNTING DETAIL

| | Tev | 0470 | evulor I | M+VSKMgs | | Mott MacDonald | DESIGNER D. LASSETTER | DESK-N ENCAPEER | T = | G1 T 1 G 1 | | | CHEET NO. |
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| - 1 | | UNIE | 31860 | THE WALLES | M | 10245 Centurion Pkwy, N., Suite 320 | DRAWN BY: B. LEE | | A COLON | St. Johns County | | | 28 |
| - | + | \rightarrow | \rightarrow | | IVI | Jacksonville, Florida 32256 | DRAWN BY: B. LEE DATE: JUNE 2021 | W. DAVID LASSETTER, P.E. | 7 - 3 | Utility Department | | | ED-2 PERMIT |
| - 1 | - | - | | | M | Telephone: (904) 203-1090 | CHECKED BY: U. SAME. | DIORIDA REGISTRATION NO. 27071 | - I I I I I I I | 1205 STATE ROAD 16 | A1A MASTER LIFT STATION | ELECTRICAL FIFTAILS | ED-2 |
| | | | | | MOTT IVE | Architects Engineers Surveyors | | 3637 Buckskin Trail E | 1 (1/2 ~ 1/1) | ST, AUGUSTINE, FL 32084 | | 14712 2 217120 | - PERMITSON |
| | \rightarrow | | $\overline{}$ | | MACDONALD | AA - COOMONS ED - COOMS ID - COOFTEE | CM E SOME 2021 | Jacksonville, FL 32277 954-743-1585 | (000 | PHONE: (904) 209-2526 FAX: (904) 209-2627 | | | SK |
| | | _ | | | | AN - C0003023 E8 - 0000135 E8 - 0000105 | l | 20-140-120 | | | | | |

NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE NEW UNDERGROUND PRIMARY SERVICE CONDUITS FROM THE NEW SERVICE POINT OF CONNECTION AT THE PROPOSED NEW PPL SERVICE POLE TO THE NEW PPL SERVICE TRANSFORMER IN ACCORDANCE WITH LLT PPL RECURIENTEST. SPL SHALL PROVIDE THE PRIMARY SERVICE CONDUITORS NEW UNDERGROUND PRIMARY SERVICE CONDUITORS SHALL BET ASS SHALD BET ASS SHALD DETAILS NOW ON ROUSE SERVICE SHALL BET ASS OF OWNER THE SHALL EXPENSE THE CONDUIT FOR MISTALLATION BY THE ELECTRICAL CONTRACTORS.

 THE NEW ELECTRICAL SERVICE PAD MOUNTED TRANSFORMER AND THE PRE-CLAST CONCRETE TRANSFORMER PAD SHALL BE PROVIDED BY PPL. THE ELECTRICAL CONTRACTOR SHALL INSTALL THE TRANSFORMER PAD AND SHALL PROVIDE BOLLARDS, IN ACCORDANCE WITH FPL REQUIREMENTS.

P100 UG ELECTRICAL SECONDARY SERVICE ENTRANCE TO ELECTRICAL SERVICE METER NEW OH POWER LINES BY FPL -NEW CONCRETE POWER POLE BY FPL · UNDERGROUND ELECTRICAL PRIMARY (NOTE 1) TYPICAL BOLLARD PER FPL REQUIREMENTS 0 0 FPL PAD MOUNTED TRANSFORMER (NOTE, 2) 0

FPL ELECTRICAL SERVICE EASEMENT DETAIL

SCALE: 1/2" = 1'-0"



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| N. | fott MacDonald | |
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| 10245 Cent | urion Pkwy, N., | Suite 320 |
| Jackso | nville, Florida 3 | 2256 |
| Teleph | one. (904) 203 | -1090 |
| Architects | Engineers | Surveyors |
| AA - C0000035 | EB - 0000155 | LB - 000678 |

| | DESIGNER; | D, LASSETTER | DESIGN ENGINEER | |
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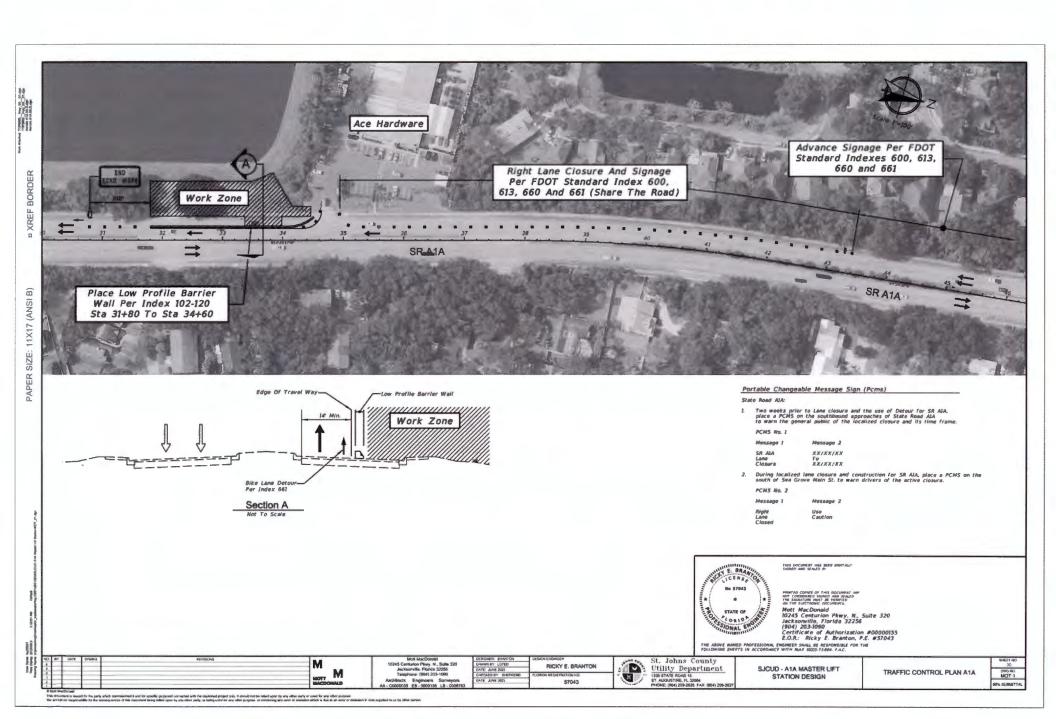
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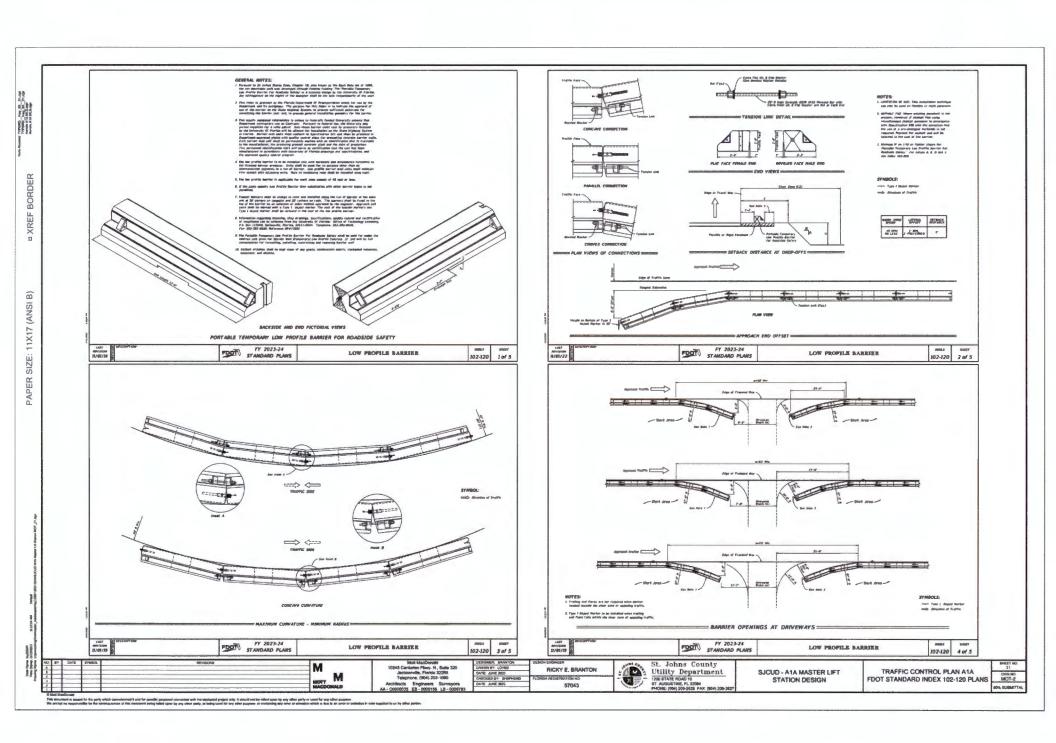
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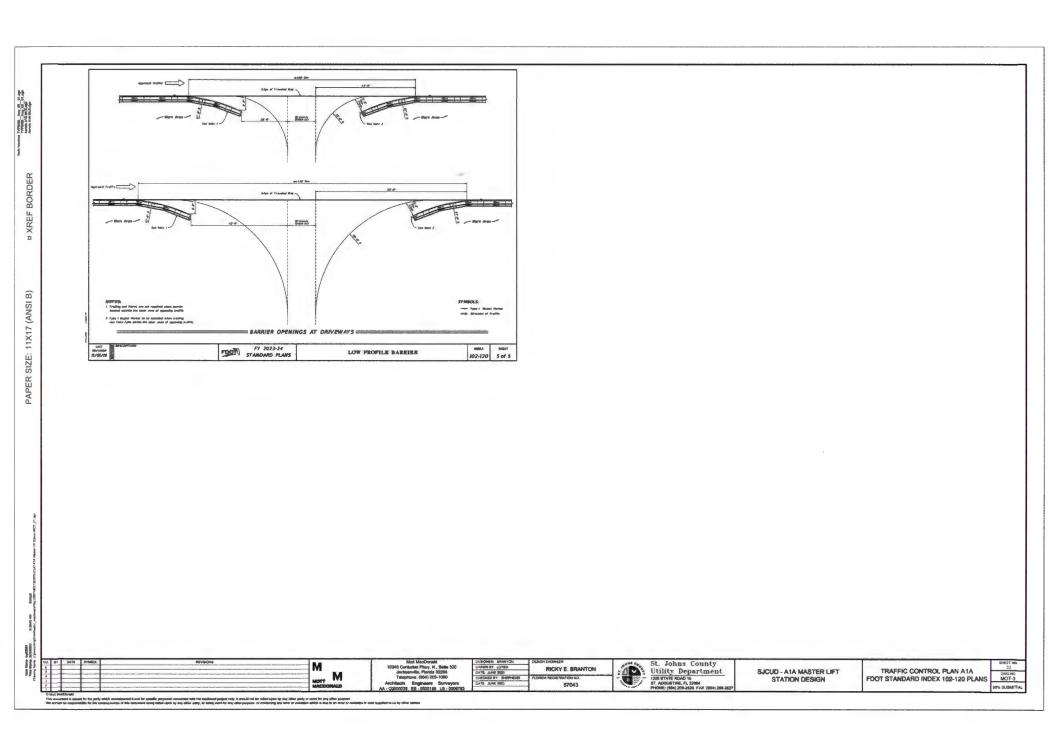
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St. Johns County St. Johns County Utility Department 1205 STATE ROAD 16 ST AUGUSTINE, FL 32084 PHONE: (904) 209-2626 FAX

STANDARD PLANS FY 2023-24

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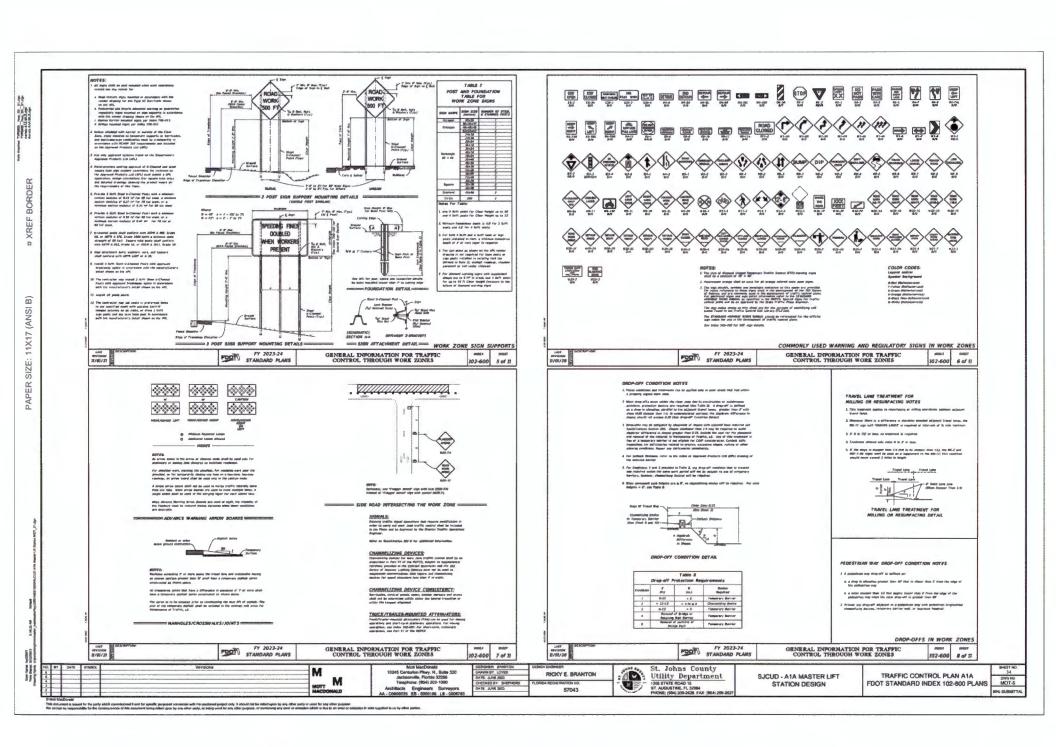
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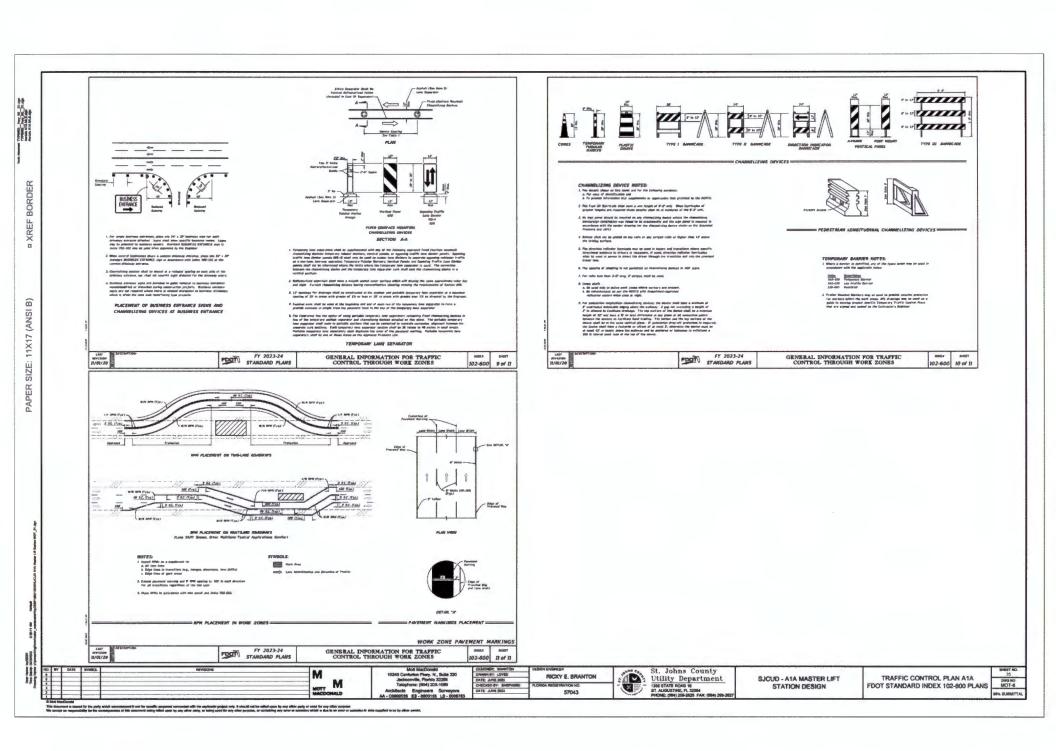
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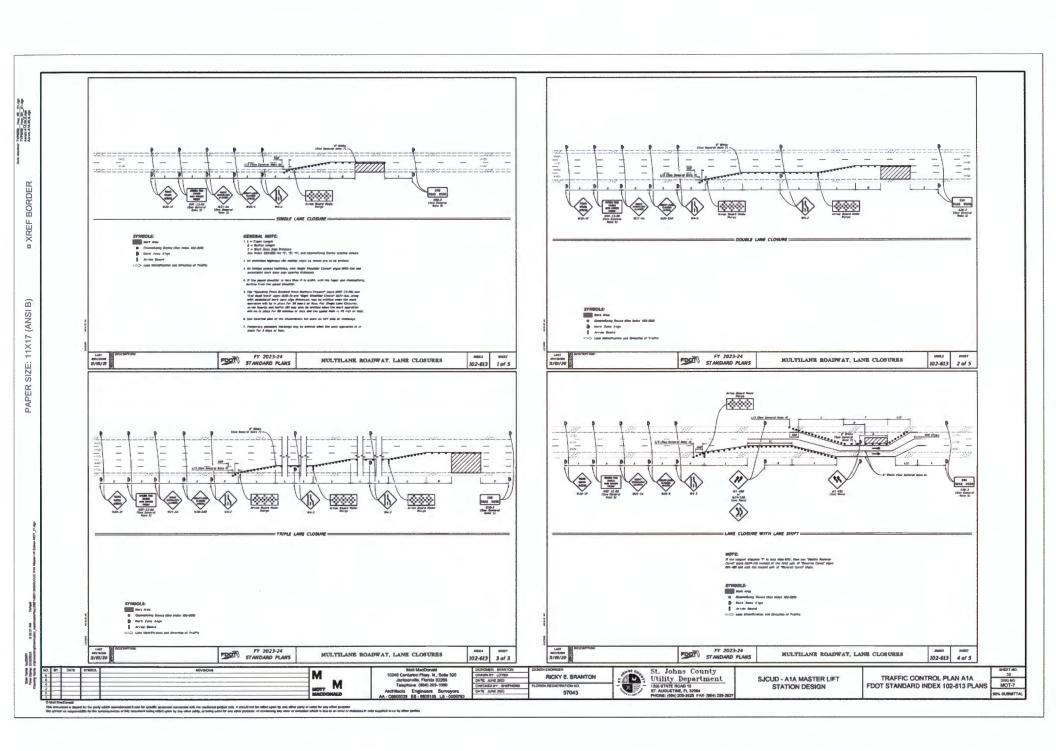
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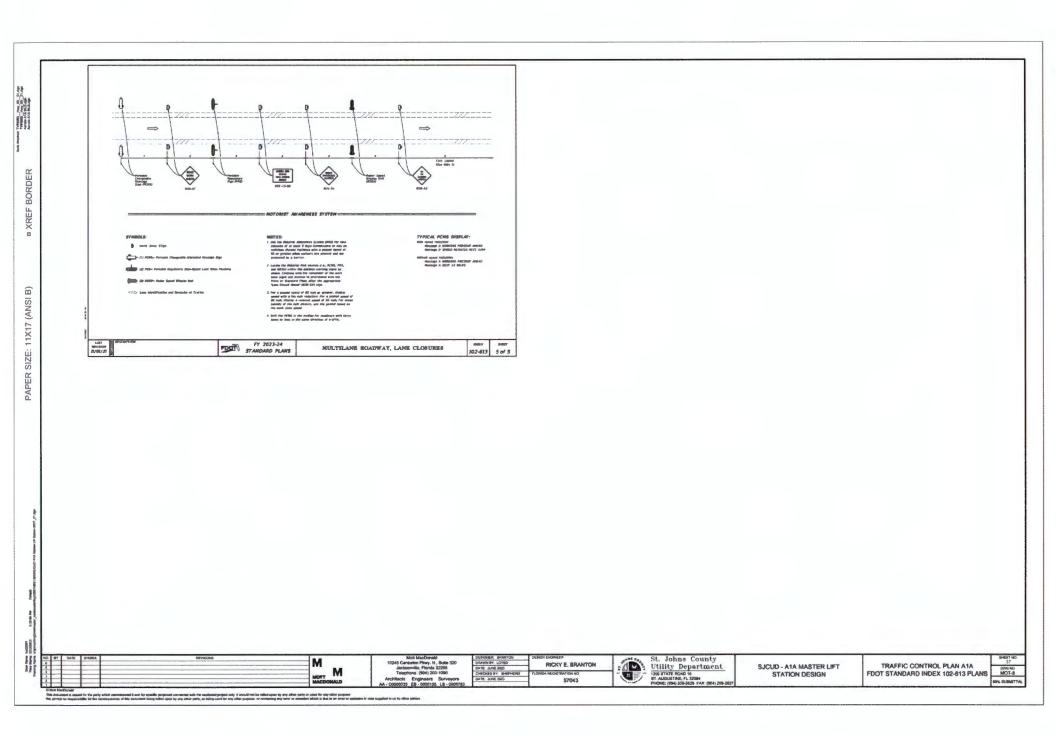
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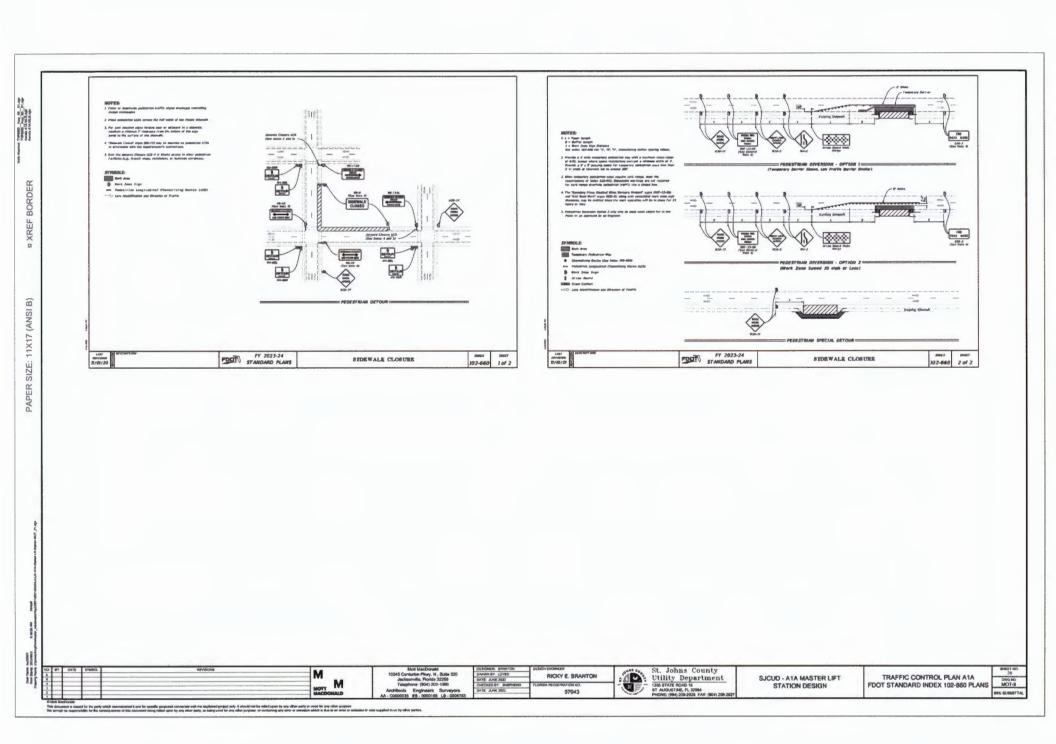


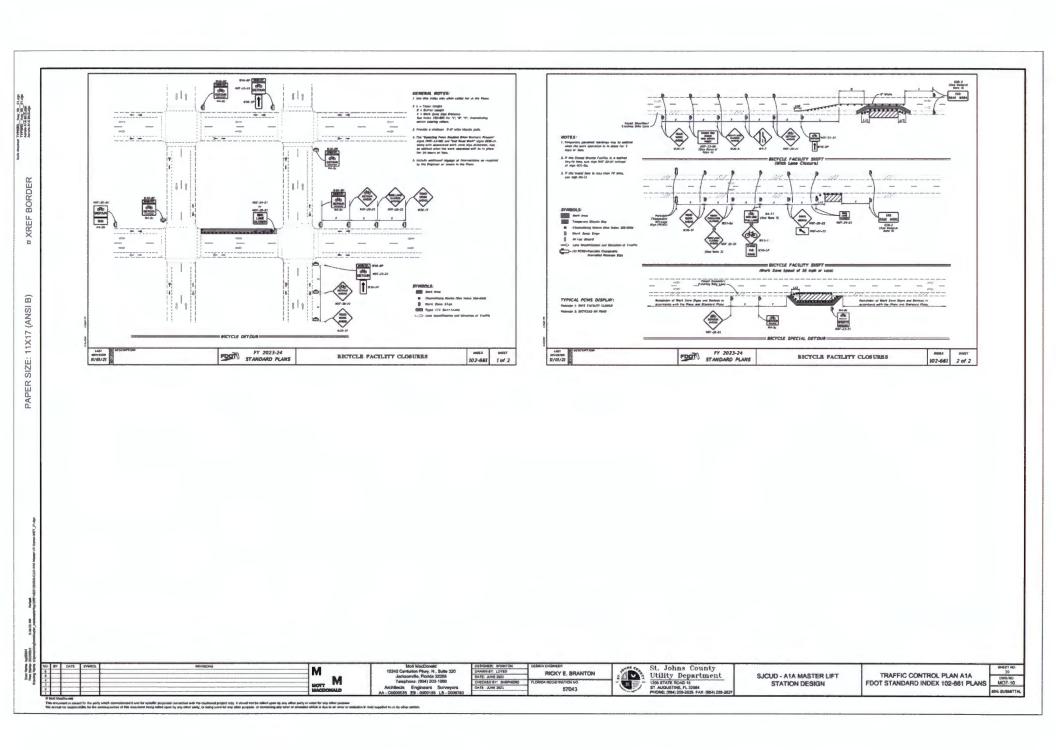












RESOLUTION NO. 2024-94

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE DIRECTOR OF THE ST. JOHNS COUNTY UTILITY DEPARTMENT TO SUBMIT AN APPLICATION TO THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, FOR THE A1A MASTER LIFT STATION PROJECT AND TO NEGOTIATE THE TERMS, CONDITIONS, PROVISIONS, AND REQUIREMENTS OF ANY REQUIRED AGREEMENTS WITH THE DEPARTMENT FOR THE PROJECT, SUBJECT TO FINAL REVIEW AND APPROVAL BY THE BOARD.

WHEREAS, the State of Florida, Department of Transportation ("FDOT") currently owns property located at 3047 A1A South, in St. Johns County, Florida, Parcel ID No. 172390-0020 ("subject property"), presently utilized as a stormwater facility for A1A; and

WHEREAS, the St. Johns County Utility Department ("Utility") has identified the subject property as a location for the installation and construction of a sewer lift station and related facilities ("Project"), which will require a construction agreement and other permissions and approvals from FDOT; and

WHEREAS, FDOT has indicated that it requires written authorization from the St. Johns County Board of County Commissioners ("Board") before FDOT will review, prepare, or negotiate the required agreement, permissions, and approvals for the Project; and

WHEREAS, the Board wishes to authorize the Director of the Utility to complete and submit to FDOT any required applications for review and approval of the Project on behalf of the County and to negotiate the terms, conditions, provisions, and requirements of any required agreement on behalf of the County, subject to final review and approval by the Board; and

WHEREAS, submission of such applications and negotiation of such agreements are in the best interest of the public and the County.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, as follows:

- **Section 1.** The above Recitals are hereby incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.
- Section 2. The Board of County Commissioners hereby authorizes the Director of the St. Johns County Utility Department to complete and submit any required applications for the A1A Master Lif Station Project to the State of Florida, Department of Transportation on schalif of St. Johns County and to negotiate the terms, conditions, provisions, and requirements of any construction agreement on behalf of the County, subject to final review and approval by the Board.

Section 4. If there are typographical or administrative errors or omissions that do not change the tone, tenor, or context of this Resolution, this Resolution may be revised without subsequent approval of the Board of County Commissioners.

Section 5. This Resolution shall be effective upon adoption by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 5th day of March, 2024.

| BOARD OF COUNTY CO | MMISSIONERS |
|----------------------|-------------|
| OF ST. JOHNS COUNTY. | FLORIDA |

By: ______Sarah Arnold hair

Rendition Date: MAR 0 8 2024

ATTEST: Brandon J. Patty, Clerk of the Circuit & Comptroller

By: Crustal Snith
Deput Clerk

