

AGREEMENT

PINELLAS COUNTY GOVERNMENT IS COMMITTED TO PROGRESSIVE PUBLIC POLICY, SUPERIOR PUBLIC SERVICE, COURTEOUS PUBLIC CONTACT, JUDICIOUS EXERCISE OF AUTHORITY AND SOUND MANAGEMENT OF PUBLIC RESOURCES, TO MEET THE NEEDS AND CONCERNS OF OUR CITIZENS TODAY AND TOMORROW.



NON-CONTINUING PROFESSIONAL SERVICES AGREEMENT

RFP TITLE: Pinellas Park Interceptor Collection System

RFP CONTRACT NO. 23-1042-RFP-CCNA

COUNTY PID NO. 003147A CONTINUING FIRM:

McKim & Creed, Inc.

AGREEMENT

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SECTION 1 - INTENT OF AGREEMENT

AGREEMENT FOR PROFESSIONAL **ENGINEERING** SERVICES FOR UTILITIES DEPARTMENT

This Agreement entered into on the **Click or tap to enter a date.** between Pinellas County, a political subdivision of the state of Florida, hereinafter referred to as the County, represented by its board of County commissioners, and **McKim & Creed, Inc.**, with offices in **Clearwater, FL**, hereinafter referred to as the consultant or contractor.

WITNESSETH, that:

WHEREAS, Pinellas County, herein referred to as the County, requires engineering services associated with support to develop plans and specifications and perform all other professional engineering services as may be required during the construction of **Pinellas Park Interceptor Collection System** Pinellas County, Florida

WHEREAS, the County desires the Consultant provide professional engineering services requisite to the development of the project; and

WHEREAS, the consultant has expressed the willingness and ability to provide the aforementioned Services; and

NOW THEREFORE, the County and the consultant, in consideration of the mutual covenants hereinafter set forth, agree as follows:

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SECTION 2 - SCOPE OF PROJECT

1. PROJECT DESCRIPTION AND PROFESSIONAL REQUIREMENTS

For the purposes of this Agreement the term project shall include all areas of proposed improvements, all areas that may reasonably be judged to have an impact on the project, and all project development phases and the services and activities attendant thereto. It is not the intent of this Agreement to identify the exact limits or details involved in providing satisfactorily completed project construction documents. The Consultant shall provide the following professional services to prepare construction plans, specifications, and complete applications for and receive all federal, state, and local permits required for construction of the project. The project design shall be based on the following data:

TBD All required permits shall be obtained by the engineering consultant. Plans shall be prepared in accordance with Civil 3D Pinellas County Requirements. Exhibit A, Scope of Services is attached.

Required Deliverables

- Civil 3D file (eTransmit) of construction plans and for each transmittal phase. The plans shall be provided electronically, plus 2 paper prints signed and sealed by a Professional Engineer certified in the State of Florida.
- All technical specifications required for construction of project.

2. PROJECT PHASES

All project phases shall be completed on or before the milestone dates provided in the County approved project design schedule referenced in Exhibit A.

3. CONSULTING RESPONSIBILITIES

- A. It is the intention of the County that the consultant is held accountable for its work, including checking and plans review, and that submittals are complete.
- B. The consultant shall be responsible for the accuracy of the work and shall promptly correct its errors and omissions without additional compensation. Acceptance of the work by the County will not relieve the consultant of the responsibility for subsequent correction of any errors and the clarification of any ambiguities.
- C. The consultant represents that it has secured or will secure all personnel necessary to complete this Agreement; none of whom shall be employees of or have any contractual relationship with the County. Primary liaison with the County will be through the consultant's project manager. All of the services required herein will be performed by the consultant or under the consultant's supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under law to perform such services.
- D. The Consultant shall endorse all reports, calculations, contract plans, and survey data. Services shall be prepared under the direction of an engineer registered in the State of Florida and qualified in the required discipline. Products or services performed or checked shall be signed and sealed by the Consultant's Florida registered engineer.
- E. The consultant shall be responsible for the preparation of a project design schedule, which shows a breakdown of all tasks to be performed, and their relationship in achieving the completion of each phase of work. A bar chart schedule showing overall project time frames should also be prepared. These schedules must be submitted for County approval within 10 days of the initial project notice to proceed. These schedules will be used to verify consultant performance in relationship to fees claimed and to allow the County's project manager to monitor the consultant's efforts. The consultant shall be responsible for any updates to these schedules and for documenting in writing to the County any major deviations in the actual versus estimated project time frames.
- F. The consultant shall respond, in writing, to all review comments made by the County, within 10 days of their receipt, and shall incorporate appropriate design adjustments resulting from the review exchange into the project, in the next scheduled submittal.

4. GENERAL DESIGN CONDITIONS

1. The Consultant shall coordinate and solicit appropriate input, with the knowledge of the County.

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2. All design data, plans, and drawings shall be delivered electronically and or on travel drives formatted to .DXF or .DWG utilizing Civil 3D 2012 or later; as well as providing reproducible hard copies of plans and drawings. All specification and other documents shall be delivered electronically and or on two travel drives, Microsoft Word & Excel format as required, as well as the reproducible hard copies.
3. One 1 original and 9 copies of all deliverables are required unless specific submittal requirements are specified elsewhere in this Agreement.
4. The Consultant shall develop acceptable alternates to any and all design recommendations that may be declared unacceptable.

5. GOVERNING SPECIFICATIONS REGULATIONS AND PERTINENT DOCUMENTS

1. The project shall be designed by the Consultant in accordance with applicable industry standards. The Consultant shall be responsible for utilizing and maintaining current knowledge of any laws, ordinances, codes, rules, regulations, standards, guidelines, special conditions, specifications, or other mandates relevant to the project or the services to be performed.
2. The Contractor and their Subcontractor(s) must register with and use the E-verify system in accordance with Florida Statute 448.095. The County will verify the work authorization of the Contractor and Subcontractor. A Contractor and Subcontractor may not enter into a contract with the County unless each party registers with and uses the E-verify system.

If a Contractor enters a contract with a Subcontractor, the Subcontractor must provide the Contractor with an affidavit stating that the Subcontractor does not employ, contract with, or subcontract with unauthorized aliens. The Contractor must maintain a copy of the affidavit for the duration of the contract.

If the County, Contractor, or Subcontractor has a good faith belief that a person or entity with which it is contracting has knowingly violated Florida Statute 448.09(1) they shall immediately terminate the contract with the person or entity.

If the County has a good faith belief that a Subcontractor knowingly violated this provision, but the Contractor otherwise complied with this provision, the County will notify the Contractor and order that the Contractor immediately terminate the contract with the Subcontractor.

A contract terminated under the provisions of this section is not a breach of contract and may not be considered such. Any contract termination under the provisions of this section may be challenged to Section 448.095(2)(d), Florida Statute. Contractor acknowledges upon termination of this agreement by the County for violation of this section by Contractor, Contractor may not be awarded a public contract for at least 1 year. Contractor acknowledges that Contractor is liable for any additional costs incurred by the County as a result of termination of any contract for a violation of this section.

Contractor or Subcontractor shall insert in any subcontracts the clauses set forth in this section, requiring the subcontracts to include these clauses in any lower tier subcontracts. Contractor shall be responsible for compliance by any Subcontractor or Lower Tier Subcontractor with the clause set for in this section.

3. Supplier acknowledges and warrants that all digital content and services provided under this contract conforms and shall continue to conform during the Term of this Agreement to the W3C Web Content Accessibility Guidelines, version 2.0 ("WCAG 2.0") at conformance Level A and AA. If all digital content and services does not fully conform to WCAG 2.0 A and AA, Supplier shall advise Pinellas County in writing of the nonconformance prior to execution of this Agreement and shall provide Pinellas County a plan to achieve conformance to WCAG 2.0 A and AA, including but not limited to, an intended timeline for conformance. Failure to achieve conformance, as determined in Pinellas County's sole discretion, on its intended timeline shall be considered a material breach of this Agreement and grounds for termination by Pinellas County.

If during the Term of this Agreement, Supplier fails to maintain compliance with WCAG 2.0 A and AA or Pinellas County otherwise identifies an issue related to accessibility of the product (the "Accessibility Issue") that renders the product inaccessible, then Pinellas County shall notify Supplier of non-compliance. Within 30 days of Supplier's receipt of a non-compliance notice ("Notice"), Supplier and Pinellas County shall meet and mutually agree upon an appropriate timeline for resolution of the Accessibility Issue(s) ("Initial Meeting").

Should Supplier:

- i. fail to acknowledge receipt of the notice within 30 days of receipt of the Notice;

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- ii. unreasonably and solely withhold agreement regarding a timeline for resolution for more than 30 days following the Initial Meeting; or
- iii. fail to materially resolve the Accessibility Issue(s) within the agreed-upon timeline,

Failure to comply with the requirements of this section shall constitute a material breach of this Agreement and shall be grounds for termination of this Agreement by Pinellas County and subject Supplier to section 15 of this Agreement, "Indemnification."

SECTION 3 - SERVICES TO BE FURNISHED BY THE CONSULTANT

1. **SERVICES**

A. SEE EXHIBIT A – SCOPE OF SERVICES.

2. **BIDDING PHASE**

The Consultant shall prepare with the county's assistance the necessary bidding information, bidding forms, the conditions of the Contract, and the form of Agreement between the county and the contractor. The Consultant also, shall bear the cost of 2 complete sets of documents (plans and specifications), 2 of which shall be signed and sealed by the consultant as original record sets for the project. Each sheet in the 2 construction plans print sets shall be signed, sealed and dated. The title sheet only of the 2 specifications sets shall be signed, sealed, and dated. Additionally, any required addenda shall be signed, sealed, and dated.

- 1. The Consultant, following the county's review of the construction documents and of the latest statement of probable construction cost, shall be available to assist the county in obtaining bids, and in preparing and awarding construction contracts for each bid package. The Consultant shall assist conducting pre-bid conferences and shall prepare a bid tabulation spreadsheet following receipt of bids.
- 2. If the advertisement for bids has not commenced within 60 days after the consultant submits the approved construction documents to the county, any fixed limit of construction cost established as a condition of this agreement shall be adjusted to reflect any change in the general level of prices which may have occurred during that period of time in construction industry. The adjustment shall reflect changes between the date of submission of the construction documents to the county and the date on which the advertisement for bids occurred.
- 3. The Consultant shall prepare any required addenda to construction plans and specifications on the project during the bidding phase affecting the consultant's plans and specifications. The Consultant shall also provide any addenda during the construction phase in sufficient quantity to distribute to all necessary parties as determined by the county. Addenda material shall be placed in envelopes by the consultant for mailing by the county. The consultant shall also furnish certified mail receipt material and prepare mailing labels. The county shall mail all addenda.

3. **CONSTRUCTION PHASE**

All contact and/or communication from the Consultant to the Contractor shall be coordinated with the knowledge of the County.

A. Construction Consultation Services

- 1. Processing, review, approval and distribution of shop drawings, product data, samples and other submittals required by the Contract Documents.
- 2. Maintenance of master file of submittals with duplicate for County.
- 3. Construction Field Observation Services consisting of visits to the site as frequent as necessary, but not less than once every month, to become generally familiar with the progress and quality of the work and to determine in general if the work is proceeding in accordance with the Contract Documents and prepare related reports and communications. Provide written report of each visit. This field observation requirement shall include any sub-consultants at appropriate construction points.
- 4. Review for comment or approval any and all proposal requests, supplemental drawings and information and change orders.
- 5. Review for correctness Contractors pay requests for the County.

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6. Prepare, reproduce and distribute supplemental drawings, specifications and interpretations in response to requests for clarification by the Contractor or the County as required by construction exigencies. Response to any request must be received by the County within 24 hours of request, or the next available working day when the request is prior to a weekend or holiday.
7. Review, upon notice by the Contractor that work is ready for final inspection and acceptance.
8. Notify the County of any deficiencies found in follow-up reviews.
9. Evaluate all testing results and make recommendations to the County.
10. Assist in the establishment by the County of programs of operation and maintenance of the physical plant and equipment.
11. Arrange for and coordinate instructions on operations and maintenance of equipment in conjunction with manufacturer's representatives.
12. Prepare an operation and maintenance manual for the County's use.
13. The Consultant shall visit the project as necessary, but at a minimum of 3 month, 6 month and upon construction completion in order to certify that the permit conditions have been met satisfactorily. This shall not relieve the Consultant of other needed visits to the project should specific issues arise.
14. Assistance in the training of the facility operation and maintenance personnel in proper operations, schedules, procedures and maintenance inventory.
15. Prepare as-built record drawings, based on information furnished by the Contractors including significant changes in the work made during construction. The Consultant will provide 1 set of signed and sealed prints and 1 CADD disk of the as-built record construction documents.
16. Transmit certified as-built record drawings and general data, appropriately identified, to the County within 30 days following completion of construction.
17. Consult with, and recommend solutions to, the County during the duration of warranties in connection with inadequate performance of materials, systems, and equipment under warranty.
18. Review facilities or equipment prior to expiration of warranty period(s) to ascertain adequacy of performance, materials, systems and equipment.
19. Document noted defects or deficiencies and assist the County in preparing instructions to the Contractor for correction of noted defects.
20. The Contractor shall provide the Consultant with all the required projects close out material for Consultant's use in the warranty period services.
21. The Contractor shall have prime responsibility in the warranty period for all services herein. The Consultant shall assist, consult, observe review and document as noted.

4. PROVISIONS RELATED TO ALL PHASES

1. The Consultant will investigate and confirm in writing to the County, to the best of the Consultant's knowledge, conformance with all applicable local public and utility regulations.
2. The Consultant will coordinate work designed by various disciplines.
3. The Consultant shall submit to the County design notes and computations to document the design conclusions reached during the development of the construction plans.
 - a. 5 copies of the design notes and computations shall be submitted to the County with the design development review plans. When the plans are submitted for final review, the design notes and computations corrected for any County comments shall be resubmitted. At the project completion, a final set of the design notes and computations, properly endorsed by the Consultant, shall be submitted with the record set of plans and tracings.
 - b. The design notes and calculations shall include, but not be limited to, the following data:
 - 1) Design criteria used for the project.
 - 2) Roadway geometric calculations

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- 3) Structural calculations.
 - 4) Drainage calculations.
 - 5) Traffic design calculations
 - 6) Traffic control calculations
 - 7) Calculations as required by provisions of the Florida Energy Conservation Manual (Department of General Services), latest revision.
 - 8) Calculations showing probable cost comparisons of various alternatives considered.
 - 9) Documentation of decisions reached resulting from meetings, telephone conversations or site visits.
 - 10) Other project-related correspondences as appropriate.
4. Each set of plans for the project shall be accurate, legible, complete in design, suitable for bidding purposes and drawn to scales acceptable to the County. The completed plans shall be furnished on reproducible material and in a format, which is acceptable to the County.
 5. The Consultant shall make such reviews, visits, attend such meetings and conferences and make such contacts as are necessary for the proper preparation of plans and specifications for the project.
 6. The County in no way obligates itself to check the Consultant's work and further is not responsible for maintaining project schedules.
 7. Other Consultant responsibilities shall be as listed below:
 - a. Provide necessary sealed drawings to obtain building permits or any utility permit.
 - b. Assist the County in Contractor claims and/or litigation.
 - c. Review the Adequacy and completeness of documents submitted by the Contractor to protect the County against claims by suppliers or third parties.
 8. The Consultant must be familiar with the intent, thoroughness, safety factors and design assumptions of all structural calculations.
 9. All work prepared and/or submitted shall be reviewed and checked by a Consultant (Architect/Engineer) registered in Florida. All plans shall be signed and sealed by the Professional Consultant in responsible charge.
5. **PERMIT APPLICATIONS AND APPROVALS**
1. The Consultant shall prepare all permit applications, data and drawings required for submittal by the County for approval of local, state and federal agencies.
 2. The Consultant shall, at no additional cost to the County, make all reasonable and necessary construction plans revisions required to obtain the necessary permit approvals for construction of the project.
 3. For the purpose of ensuring the timely approval of all permits necessary for the construction of the project, the Consultant shall schedule the necessary contacts and liaison with all agencies having permit jurisdiction over the project, and shall furnish, on a timely basis, such plans, data and information as may be necessary to secure approval of the required permits.
6. **COORDINATION WITH UTILITY SERVICES AND AFFECTED PUBLIC AGENCIES**
1. The requirements of the various utility services shall be recognized and properly coordinated with the project design.
 2. Drainage investigations and drainage design shall be coordinated with any city or drainage district that may be affected by or have an effect on the project.

SECTION 4 - SERVICES TO BE FURNISHED BY THE COUNTY

The County shall provide the following for the Consultant's use and guidance:

- A. Copies of existing maps, existing aerial photographs, as-built construction plans and data pertinent to the project design, which the County may have in its possession.

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- B. Reproduces of the County Engineering Department Standard Drawings applicable to the project.
- C. Sample copies of the County standard contract documents and specifications.
- D. Preparation of legal (front-end) section of the specifications.

SECTION 5 - PRESENTATIONS, PUBLIC MEETINGS AND TECHNICAL LIAISON

The following services shall be provided at no additional cost to the County:

- 1. Prior to the commencement of design activities, the County will conduct with the Consultant a pre-design conference for the purpose of discussing issues relative to the project, plans preparation and submittal procedures and to convey to the Consultant such items provided for under Section 4 as may be required and available at that time.
- 2. The Consultant shall make presentations to the County's Director of Utilities or designee as often as reasonably requested and at any point in the project development should issues arise which make additional presentations other than those listed elsewhere in this Agreement, in the County's best interest.
- 3. The Consultant shall participate in Monthly project Conferences with County staff personnel. The meetings will be scheduled by the County at a location provided by the County.
- 4. The Consultant shall attend, as technical advisor to the County all meetings or hearings conducted by permitting agencies or public bodies in connection with any permit required for the construction of the project, and shall prepare all presentation aids, documents and data required in connection with such meetings or hearings, and at the discretion of the County, shall either plead the County's case or provide engineering and technical assistance to the County in its pleading of the case.
- 5. The Consultant shall keep accurate minutes of all meetings and distribute copies to all attending. These meetings shall be set up through the County and appropriate County staff shall attend.

SECTION 6 - PAYMENT GUIDELINES AND CATEGORY OF SERVICES

1. **BASIC SERVICES**

The services described and provided for under Sections 2, 3 and Exhibit A shall constitute the Basic Services to be performed by the Consultant under this Agreement.

2. **OPTIONAL SERVICES**

Services noted in Exhibit A of this Agreement as "Optional" shall constitute the Optional Services to be performed by the Consultant under this Agreement. Optional Services shall be rendered by the Consultant only upon written authorization by the County's Director of the Utilities, or designee.

3. **CONTINGENCY SERVICES**

When authorized in writing by the County's Director of Utilities or designee, the Consultant shall furnish services resulting from unforeseen circumstances not anticipated under Basic Services due to minor changes in the project scope.

Compensation for any Contingency Services assignments shall be negotiated between the County and the Consultant at the time the need for services becomes known.

4. **ADDITIONAL SERVICES**

When executed by the County Administrator or Board of County Commissioners as an amendment to this Agreement, the Consultant shall provide such additional services as may become necessary because of changes in the Scope of project. Additional Services shall be classified as any change beyond the Contingency Services upset limit for compensation.

5. **INVOICING**

The Consultant may submit invoices for fees earned on a monthly basis. Such invoicing shall be supported by a Progress Report showing the actual tasks performed and their relationship to the percentage of fee claimed for each

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phase. Billings within each phase of work shall be for the percentage of work effort completed to date for that phase. The County shall make payments to the Consultant for work performed in accordance with the Local Government Prompt Payment Act, Section 218.70 et. seq., F.S.

The following services shall be considered reimbursable services and may be filled in full upon their completion and acceptance. The Consultant shall provide copies of supporting receipts/invoices/billing documentation. Self-performed reimbursable work shall be reimbursed at the firm's standard hourly rates for all related services. A breakdown of man hours and billing rates shall be provided with each invoice. An hourly rate sheet is attached (Exhibit B).

- A. Soil Analysis/Geotechnical Investigations.
- B. Contamination Assessments/Hazardous Material Analysis (if required).
- C. Aerial Photography (if required).
- D. Payment of Permit Fees (if required).
- E. Payment of the Public Information Meeting Advertisements, if required.
- F. Payment of the Court Reporter for public meetings, if required.
- G. Printing and Binding Services.

Should an invoiced amount for fees earned appear to exceed the work effort believed to be completed, the County may, prior to processing of the invoice for payment, require the Consultant to submit satisfactory evidence to support the invoice.

All progress reports shall be mailed to the attention of the designated Project Manager, Guillermo "Billy" Bay.

SUPPLIER shall submit invoices for payment due as provided herein with such documentation as required by Pinellas County and all payments shall be made in accordance with the requirements of Section 218.70 et. seq, Florida Statutes, "The Local Government Prompt Payment Act." Invoices shall be submitted to the address below unless instructed otherwise on the purchase order, or if no purchase order, by the ordering department:

Finance Division Accounts Payable
Pinellas County Board of County
Commissioners P. O. Box 2438
Clearwater, FL 33757

Each invoice shall include, at a minimum, the Supplier's name, contact information and the standard purchase order number. The County may dispute any payments invoiced by SUPPLIER in accordance with the County's Dispute Resolution Process for Invoiced Payments, established in accordance with Section 218.76, Florida Statutes, and any such disputes shall be resolved in accordance with the County's Dispute Resolution Process.

Fees for contingent or additional services authorized shall be invoiced separately, and shall be due and payable in full upon the presentation of satisfactory evidence that the corresponding services have been performed.

SECTION 7 - COMPENSATION TO THE CONSULTANT

1. For the basic services provided for in this Agreement, as defined in Section 3.1, the County agrees to pay the Consultant as follows:

- A Lump Sum Fee of \$248,673.00: for the Task 1 - Project Management Phase of the project.
- A Lump Sum Fee of \$ 30,411.00: for the Task 2 - Data Collection and Review Phase of the project.
- A Lump Sum Fee of \$666,896.00: for the Task 3 - Preliminary Design Field Services Phase of the project. A Lump Sum Fee of \$200,339.00: for the Task 4 - Preliminary Design Phase of the project.
- A Lump Sum Fee of \$842,162.00: for the Task 5 - Final Design Phase of the project
- A Lump Sum Fee of \$ 59,870.00: for the Task 6 - Permitting Services Phase of the project
- A Lump Sum Fee of \$ 30,368.00: for the Task 7 - Bid Phase Services Phase of the project
- A Lump Sum Fee of \$184,044.00: for the Task 8 - Community Outreach Phase of the project
- A Lump Sum Fee of \$261,295.00: for the Task 9 - Limited Construction Services Phase of the project

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The above fees shall constitute the total not to exceed amount of \$2,524,058.00 to the Consultant for the performance of Basic Services. All man hours are billed per the established and agreed hourly rates. The hourly rates are fully loaded and include all labor, overhead, expenses and profit of any nature including travel within the Tampa Bay Metropolitan Statistical area. Travel outside of the Tampa Bay Metropolitan Statistical Area will be reimbursed in accordance with Section 112.061 F.S. and/or the County Travel Policy, as approved by the County.

2. For the OPTIONAL SERVICES provided for in the Agreement, as defined in Exhibit A, the County agrees to pay the Consultant as follows:

A Lump Sum Fee of: (\$0.00)

3. For any CONTINGENCY SERVICES performed, the County agrees to pay the Consultant, a negotiated fee based on the assignment, up to a maximum amount not to exceed \$250,000.00 for all assignments performed.
4. Total agreement not-to-exceed amount **\$2,774,058.00.**
5. For any ADDITIONAL SERVICES, the County agrees to pay the Consultant a negotiated total fee based on the work to be performed as detailed by a written amendment to this Agreement.
6. In the event that this Agreement is terminated under the provisions of this contract the total and complete compensation due the Consultant shall be as established by the County based on the County's determination of the percentage of work effort completed to date of termination.

SECTION 8 - PERFORMANCE SCHEDULE

Time is of the essence in this Agreement. The Consultant shall plan and execute the performance of all services provided for in this Agreement in such manner as to ensure their proper and timely completion in accordance with the following schedule:

1. The services to be rendered by the Consultant shall be commenced upon receipt from the County of written "NOTICE TO PROCEED."
2. All project phases shall be completed on or before the milestone dates provided in the County approved project design schedule referenced in 2.3 E.
3. The Consultant shall not be held responsible for delays in the completion of the project design when the County causes such delays. The County reviews related to the above submittals shall not exceed 21 days.

SECTION 9 - AUTHORIZATION FOR CONTINGENT OR ADDITIONAL SERVICES

1. The contingency services provided for under this Agreement shall be performed only upon prior written authorization from the Director of Utilities or designee.
2. The additional services provided for under this Agreement shall be performed only upon approval of the County Administrator or Board of County Commissioners.
3. The Consultant shall perform no services contemplated to merit compensation beyond that provided for in this Agreement unless such services, and compensation, therefore, shall be provided for by appropriate written authorization or amendment(s) to this Agreement.

SECTION 10 - FIRMS AND INDIVIDUALS PROVIDING SUBCONSULTING SERVICES

The County reserves the right to review the qualifications of any and all subconsultants, and to reject any subconsultant in a proper and timely manner, deemed not qualified to perform the services for which it shall have been engaged. Any subconsultant not listed as part of the prime consultant's team at time of award must be approved by the Director of Purchasing prior to performing any service.

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SECTION 11 - SATISFACTORY PERFORMANCE

All services to be provided by the Consultant under the provisions of this Agreement, including services to be provided by subconsultants, shall be performed to the reasonable satisfaction of the County's Director of Utilities or designee.

SECTION 12 - RESOLUTION OF DISAGREEMENTS

1. The County shall reasonably decide all questions and disputes, of any nature whatsoever, that may arise in the execution and fulfillment of the services provided for under this Agreement.
2. The decision of the County upon all claims, questions, disputes and conflicts shall be final and conclusive, and shall be binding upon all parties to this Agreement, subject to judicial review.

SECTION 13 - CONSULTANT'S ACCOUNTING RECORDS

1. Records of expenses pertaining to all services performed shall be kept in accordance with generally accepted accounting principles and procedures.
2. The Consultant's records shall be open to inspection and subject to examination, audit, and/or reproduction during normal working hours by the County's agent or authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the Consultant or any of his payees pursuant to the execution of the Agreement. These records shall include, but not be limited to, accounting records, written policies and procedures, subconsultant files (including proposals of successful and unsuccessful bidders), original estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this Agreement. They shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this Agreement. The County shall not audit payroll and expense records on task assignments paid by lump sum fee.
3. For the purpose of such audits, inspections, examinations and evaluations, the County's agent or authorized representative shall have access to said records from the effective date of the Agreement, for the duration of work, and until 5 years after the date of final payment by the County to the Consultant pursuant to this Agreement.
4. The County's agent or authorized representative shall have access to the Consultant's facilities and all necessary records in order to conduct audits in compliance with this Section. The County's agent or authorized representative shall give the Consultant reasonable advance notice of intended inspections, examinations, and/or audits.

SECTION 14 - OWNERSHIP OF PROJECT DOCUMENTS

Upon completion or termination of this Agreement, all records, documents, tracings, plans, specifications, maps, evaluations, reports and other technical data, other than working papers, prepared or developed by the Consultant under this Agreement shall be delivered to and become the property of the County. The Consultant, at its own expense, may retain copies for its files and internal use. The County shall not reuse any design plans or specifications to construct another project at the same or a different location without the Consultant's specific written verification, adaptation or approval.

SECTION 15 - INSURANCE COVERAGE AND INDEMNIFICATION

1. The Consultant must maintain insurance in at least the amounts required in the Request for Proposal throughout the term of this contract. The contractor must provide a Certificate of Insurance in accordance with Insurance Requirements of the Request for Proposal, evidencing such coverage prior to issuance of a purchase order or commencement of any work under this Contract. See Section C Insurance Requirements – Attached
2. If the Consultant is an individual or entity licensed by the State of Florida who holds a current certificate of registration or is qualified under Chapter 481, Florida Statutes, to practice architecture or landscape architecture, under Chapter 472, Florida Statutes, to practice land surveying and mapping, or under Chapter 471, Florida Statutes, to practice engineering, and who enters into a written agreement with the County relating to the planning, design, construction,

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administration, study, evaluation, consulting, or other professional and technical support services furnished in connection with any actual or proposed construction, improvement, alteration, repair, maintenance, operation, management, relocation, demolition, excavation, or other facility, land, air, water, or utility development or improvement, the Consultant will indemnify and hold harmless the County, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct, or for any violation of requirements of the Americans with Disabilities Act of 1990, as may be amended, and all rules and regulations issued pursuant thereto (collectively the "ADA") of the Consultant and other persons employed or utilized by the Consultant in the performance of the Agreement.

SECTION 16 - EQUAL EMPLOYMENT OPPORTUNITY CLAUSE FOR CONTRACTS NOT SUBJECT TO EXECUTIVE ORDER 11246

In carrying out the contract, the Consultant shall not discriminate against employee or applicant for employment because of race, color, religion, sex or national origin.

SECTION 17 - INDEPENDENT CONTRACTOR STATUS AND COMPLIANCE WITH THE IMMIGRATION REFORM AND CONTROL ACT OF 1986

Consultant acknowledges that it is functioning as an independent Consultant in performing under the terms of this Agreement, and it is not acting as an employee of County. Consultant acknowledges that it is responsible for complying with the provisions of the Immigration Reform and Control Act of 1986, located at 8 U.S.C. Section 1324, et seq., and regulations relating thereto. Failure to comply with the above provisions of this contract shall be considered a material breach and shall be grounds for immediate termination of the contract.

SECTION 18 - PROHIBITION AGAINST CONTINGENT FEE

The Consultant warrants that he has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement, and that he has not paid or agreed to pay any person, company, corporation, individual, or firm other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift or any other consideration, contingent upon or resulting from the award or making of this Agreement.

SECTION 19 - TRUTH IN NEGOTIATIONS

By execution of this Agreement, the Consultant certifies to truth-in-negotiations and that wage rates and other factual unit costs supporting the compensation are accurate, complete and current at the time of contracting. Further, the original contract amount and any additions thereto shall be adjusted to exclude any significant sums where the County determines the contract price was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs. Such adjustments must be made within 1 year following the end of the contract.

SECTION 20 - SUCCESSORS AND ASSIGNS

The Consultant shall not assign, sublet, or transfer his interest in this Agreement without the written consent of the County.

SECTION 21 - INTEREST ON JUDGMENTS

In the event of any disputes between the parties to this Agreement, including without limitation thereto, their assignees and/or assigns, arising out of or relating in any way to this Agreement, which results in litigation and a subsequent judgment, award or decree against either party, it is agreed that any entitlement to post judgment interest, to either party and/or their attorneys, shall be fixed by the proper court at the rate of 5%, per annum, simple interest. Under no

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circumstances shall either party be entitled to pre-judgment interest. The parties expressly acknowledge and, to the extent allowed by law, hereby opt out of any provision of federal or state statute not in agreement with this paragraph.

SECTION 22 - TERMINATION OF AGREEMENT

1. The County reserves the right to cancel this Agreement, without cause, by giving 30 days prior written notice to the Consultant of the intention to cancel. Failure of the Consultant to fulfill or abide by any of the terms or conditions specified shall be considered a material breach of contract and shall be cause for immediate termination of the contract at the discretion of County. Alternatively, at the County's discretion, the County may provide to Consultant 30 days to cure the breach. Where notice of breach and opportunity to cure is given, and Consultant fails to cure the breach within the time provided for cure, County reserves the right to treat the notice of breach as notice of intent to cancel the Agreement for convenience.
2. If County terminates the Agreement for convenience, other than where the Consultant breaches the Agreement, the Consultant's recovery against the County shall be limited to that portion of the Consultant's compensation earned through date of termination, together with any costs reasonably incurred by the Consultant that are directly attributable to the termination. The Consultant shall not be entitled to any further recovery against the County, including but not limited to anticipated fees or profit on work not required to be performed.
3. Upon termination, the Consultant shall deliver to the County all original papers, records, documents, drawings, models, and other material set forth and described in this Agreement.
4. In the event that conditions arise, such as lack of available funds, which in the County's opinion make it advisable and in the public interest to terminate this Agreement, it may do so upon written notice.

SECTION 23 - AGREEMENT TERM

1. This Agreement will become effective on the date of execution first written above and shall remain in effect for **1,125** consecutive calendar days from the commencement date on the Notice to Proceed) unless terminated at an earlier date under other provisions of this Agreement, or unless extended for a longer term by amendment.

SECTION 24 - CONFLICT OF INTEREST

1. By accepting award of this Contract, the Consultant, which shall include its directors, officers and employees, represents that it presently has no interest in and shall acquire no interest in any business or activity which would conflict in any manner with the performance of services required hereunder, including as described in the Consultant's own professional ethical requirements. An interest in a business or activity which shall be deemed a conflict includes but is not limited to direct financial interest in any of the material and equipment manufacturers suppliers, distributors, or contractors who will be eligible to supply material and equipment for the project for which the Consultant is furnishing its services required hereunder.
2. If, in the sole discretion of the County Administrator or designee, a conflict of interest is deemed to exist or arise during the term of the contract, the County Administrator or designee may cancel this contract, effective upon the date so stated in the Written Notice of Cancellation, without penalty to the County.

SECTION 25 - ENTIRE AGREEMENT

This Agreement represents, together with all Exhibits and Appendices, the entire written Agreement between the County and the Consultant and may be amended only by written instrument signed by both the County and the Consultant.

SECTION 26 - PUBLIC ENTITY CRIMES

Consultant is directed to the Florida Public Entity Crime Act, Fla. Stat. 287.133, and Fla. Stat. 287.135 regarding Scrutinized Companies, and Consultant agrees that its bid and, if awarded, its performance of the agreement will comply with all applicable laws including those referenced herein. Consultant represents and certifies that Consultant is and will at

AGREEMENT

all times remain eligible to bid for and perform the services subject to the requirements of these, and other applicable, laws. Consultant agrees that any contract awarded to Consultant will be subject to termination by the County if Consultant fails to comply or to maintain such compliance.

SECTION 27 - PUBLIC RECORDS

Consultant acknowledges that information and data it manages as part of the services may be public records in accordance with Chapter 119, Florida Statutes and Pinellas County public records policies. Contractor agrees that prior to providing services it will implement policies and procedures to maintain, produce, secure, and retain public records in accordance with applicable laws, regulations, and County policies, including but not limited to the Section 119.0701, Florida Statutes. Notwithstanding any other provision of this Agreement relating to compensation, the Consultant agrees to charge the County, and/or any third parties requesting public records only such fees allowed by Section 119.07, Florida Statutes, and County policy for locating and producing public records during the term of this Agreement.

CONTRACTOR'S DUTY:

If the contractor has questions regarding the application of Chapter 119, Florida Statutes, to the contractor's duty to provide public records relating to this agreement, the contractor shall contact:

Pinellas County Board of County Commissioners

Purchasing and Risk Management Division

400 S. Ft. Harrison Ave, 6th Floor,

Clearwater, FL 33756

Public Records Liaison

Phone: 727-464-3237


Email: mcchartier@pinellas.gov

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SECTION 28 - GOVERNING LAW AND AGREEMENT EXECUTION

This Agreement shall be governed by the laws of the State of Florida.

IN WITNESS WHEREOF, the parties herein have executed this Agreement as of the day and year first written above. Firm: McKim & Creed, Inc.

By: 
Print Name: Robert H. Garland
Title: Vice President
Date: 5/17/2024

PINELLAS COUNTY, by and through its Board of County Commissioners

By: _____
Chairman
Date: _____

ATTEST: Ken Burke, Clerk of the Circuit Court

By: _____
Deputy Clerk
Date: _____

APPROVED AS TO FORM

By: Miles Belknap
Office of the County Attorney

EXHIBIT A - SCOPE OF SERVICES

SCOPE OF PROFESSIONAL ENGINEERING SERVICES

McKim & Creed, Inc.

May 3, 2024

Pinellas Park Interceptor Collection System

Contract No. 23-1042-RFP-CCNA

PID No. 003147A

1. BACKGROUND:

Faced with the challenge to eliminate the potential for wet weather sanitary sewer overflows (SSO's) in the City of Pinellas Park and Pinellas County's adjacent sanitary sewer collection system, Pinellas County (COUNTY) and the City of Pinellas Park (CITY) entered into a Joint Project Agreement to improve the capacity of the CITY's Master Station No. 31 (MS #31) and extend the useful life of the COUNTY's 42-inch gravity interceptor along Belcher Rd. The Pinellas Park Interceptor Collection System project (PROJECT) will:

- Upgrade the pump capacity of MS #31 - Increase the pump discharge pressures to pump the sewage flow to the COUNTY's South Cross Bayou Water Reclamation Facility (SCBWRF) headworks. Addition improvements, including piping, structural, and electrical modification to MS #31 are also necessary to extend the useful life of this facility.
- Replace approximately 1 mile of the CITY's 20-inch ductile iron force main with a 24-inch PVC force main from 102nd Avenue N. to approximately Belcher Rd. and 86th Avenue N.
- Extend the MS #31 force main to the COUNTY's South Cross Bayou Water Reclamation Facility (SCBWRF), thereby removing this sewage flow from the 42-inch gravity interceptor. The extended 24-inch force main route will be along Belcher Rd. from 86th Avenue N. to 62nd Avenue N., where the force main will turn west to the COUNTY's SCBWRF property and then turn south again, extending to the SCBWRF headworks.
- Rehabilitate (through lining) the 42-inch gravity sewer interceptor and the 24-inch triple barrel siphon under the Pinellas Park Water Management District's stormwater channel to improve capacity while also extending the pipe's useful life.
- Extend the CITY's Lift Station (LS) # 40 14-inch force main approximately 200 ft to the 42-inch gravity sewer interceptor.
- Reconnect the 6-inch Bayou Club force main to the new 24-inch force main at Belcher Rd. Modifications to the Bayou Club pump station are not included in this scope of services.
- Extend the 2-inch force main from the private residence on the west side of Belcher Rd. (8800 Belcher Rd.) to the gravity manhole located on 88th Avenue N. The approximate

length of the force main extension is 350 ft. The COUNTY and/or the CITY shall be responsible for coordinating with the property owner.

This project will upgrade or replace the COUNTY's and the CITY's outdated infrastructure that has passed its useful life. The proposed improvements will assist the COUNTY and the CITY to avoid potential pipe breaks and sewer service interruptions, reduce the potential for sanitary sewer overflows and contamination of surface waters.

2. DESCRIPTION:

The COUNTY has selected McKim & Creed, Inc. (CONSULTANT) to perform the engineering assessment and design services to construct improvements to the Pinellas Park Interceptor Collection System. Engineering services include:

- Update the existing hydraulic model, which will be provided by the COUNTY, to develop replacement pump capacity improvements required at MS #31 for this station to achieve each of the following three (3) pumping scenarios:
 - Scenario 1 – Pump to the SCBWRF elevated headworks (highest pumping head condition)
 - Scenario 2 – Pump to the SCBWRF Influent Pump Station (IPS) as alternative to pumping to headworks.
 - Scenario 3 – Pump to the 42-inch interceptor at 86th Avenue N. (lowest pumping head condition) to provide occasional “flushing capability” within the gravity interceptor.
- Using the results from the updated hydraulic model, design capacity improvements to MS #31. It is anticipated that the capacity improvements will include:
 - Upsizing the maximum pumping capacity of the station to 7,000 gpm (10M mgd) at 163 ft TDH. Pump arrangement will be two duty plus one standby, with all three pumps rated at 3500 gpm at 163 ft TDH.
 - Changes to the pump discharge piping within the drywell to accommodate the new pumps.
 - Structural modifications to accommodate the new pumps, including new pump bases, pipe supports, modifications to the access hatches and floor slab above the pumps (necessary for the larger pumps), and monorail system for removing the pumps.
 - Electrical system improvements to accommodate the larger pumps, including an evaluation of the existing electrical service capacity and possible increase to the service capacity; evaluation of the electrical gear capacity and service life and possible upgrades to, or replacement of the gear; and an evaluation of the existing standby power system and possible replacement of the standby power equipment.
 - It is the CONSULTANT's understanding that the operation of MS #31 will not be changing with this project and that the instrumentation/controls system for the proposed pump upgrades will continue to utilize the existing pump control panel, Data Flow Systems RTU, and instruments. However, the CONSULTANT will evaluate the existing pump control panel and instruments for compatibility with

- proposed mechanical and electrical improvements to MS #31 and provide recommendations to the CITY. It is understood that the CITY will coordinate with its approved Data Flow Systems vendor for changes to be made to their RTU.
- Limited site improvements required for access to a new generator and fuel storage and to show bypass pumping connection required for construction.
 - Design the replacement of the existing MS #31 force main from 102nd Avenue N. to approximately 86th Avenue N. on Belcher Rd. The new force main will be 24-inch diameter PVC and require open cut, HDD possibly jack and bore installation, dependent on-site restrictions.
 - Design the extension of the MS #31 24-inch force main from 86th Avenue N. to the SCBWRF. The anticipated alignment for the force main is along the west side of Belcher Rd. to 62nd Avenue N, turning west at 62nd Avenue N, and then turning south within the SCBWRF property and continuing to the facilities headworks structure and the IPS.
 - Inspection and design the rehabilitation of the 42-inch gravity sewer interceptor and the 24-inch triple barrel siphon to improve pipe capacity while also extending the pipe's useful life. Approximate length of the gravity interceptor is 9,800 LF. Design services associated with the interceptor include:
 - Existing pipe and manhole condition assessment using a multi-sensor sewer inspection platform that includes CCTV, sonar, and LiDAR.
 - Evaluation and recommendation of rehabilitation methods and limits.
 - Evaluation of the performance of the existing triple barrel inverted siphon and recommendations to improve performance.
 - Design of the recommended improvements to 42-inch gravity sewer.
 - Design the modifications to the headworks and IPS at the SCBWRF to receive the extended 24-inch MS #31 force main.

The professional engineering services to be provided by CONSULTANT shall include assistance with obtaining permits, bid phase services, and limited construction phase services.

3. SCOPE OF SERVICES:

The following Scope of Services describes the work to be performed by the CONSULTANT:

Task 1 – Project Management

- A. Develop project documents and filing systems for the project that will include project set-up, project schedule, project management plan, electronic file system, and conduct an internal kick-off meeting.
- B. Conduct a project kick-off meeting with the key project team members and stakeholders from the COUNTY and the CITY. Primary points of contact with the COUNTY, CITY, and the CONSULTANT will be established. Project goals and schedule will be discussed. Agenda, sign-in sheet, and meeting minutes will be prepared by the

CONSULTANT and distributed to meeting attendees and other identified project stakeholders.

- C. Conduct internal project meetings to discuss the project progress, schedule and action items.
- D. Conduct three (3) project meetings jointly with COUNTY and CITY staff during the progression of the design, the first meeting to review the preliminary design (30%) submittal, the second meeting to review the 60% submittal, and the third meeting to review the 90% submittal.
- E. Implement a quality insurance and control process, which includes evaluations of constructability, performance, and conflicts. This independent review of the project's technical work deliverables will be completed before its submission to the COUNTY.
- F. Prepare project progress reports on each task and an updated project schedule to accompany invoices each month.

Task 2 – Data Collection and Review

- A. CONSULTANT will provide the COUNTY a list of requested information to aid in the design. This information will include, but may not be limited to:
 - Current COUNTY and CITY GIS files,
 - Record drawings for the potable water, reclaimed water, storm water, and sanitary sewer systems from both the COUNTY and the CITY,
 - Information pertaining to previous rehabilitation to, including lining of the 42-inch gravity sewer,
 - Copy of previous studies and evaluations performed by others and pertaining to the infrastructure impacted by the PROJECT,
 - Existing hydraulic model for the South County sanitary sewer system,
 - Record drawings, O&M manuals, equipment data, test data, power bills, etc. for MS #31.
 - Data Flow control panel drawings and control schematic for MS #31.
 - Existing CCTV inspection of the 42-inch gravity sewer interceptor and 24-inch triple barrel siphon.
 - 2009 specific purpose survey of the gravity interceptor on Belcher Rd.
- B. CONSULTANT will rely on the information obtained from the COUNTY and the CITY to validate design assumptions, limits of pipe installation and identification of potential construction conflicts.

Task 3 – Preliminary Design Field Services

- A. Utility Coordination: CONSULTANT will execute a design ticket with Sunshine 811 to identify the existing utility owners in the area of the proposed improvements. Letters and aerial drawings will be submitted to identified owners for markup of existing facilities, which shall be incorporated into the 60% design drawings. Request type, size, location, easements, and cost for relocation if reimbursement is claimed. Request the voltage level for power lines in the project area. Send Utility/Agency Owners (UAO) requests for reimbursement, if any are received, to the COUNTY for a legal opinion.
- B. Survey Services: CONSULTANT will perform a topographic survey in support of engineering design for the limits of the project. Survey activities and deliverable data will be in accordance with the 2023 Pinellas County Kit for Civil 3D and Pinellas County CADD Standards 2023. Survey services shall be performed under the direction and control of a Florida Professional Surveyor and Mapper in accordance with the Standards of Practice requirements of Chapter 5J-17 of the Florida Administrative Code, pursuant to Section 472.027, Florida. Survey work to include the following:
- Establish Project Control: The surveyor will establish sufficient project control (horizontal & vertical) to provide XYZ data within the project limits. Horizontal control will be referenced to the Florida State Plane Coordinate System, Florida West Zone, North American Datum (NAD) of 1983, 2011 adjustment. Vertical control will be referenced to the North American Vertical Datum of 1988 (NAVD88). Three (3) permanent near site monuments will be established to assist with future construction.
 - Perform a Topographic Survey with the following requirements:
 - Visible surface improvements including buildings, asphalt or concrete surfaces, curbs, driveways, sidewalks, fences, and walls (include size and material), ditches, drainage and sanitary sewer structures, and above ground utility features including overhead lines.
 - Trees 4" diameter and greater at breast height (sizes measured 4.5 ft above ground level). Record trunk diameters. Identify as deciduous, evergreen, or palm; or provide more specific identification if known.
 - Significant landscape features including hedges and planters.
 - Elevation data to create a digital terrain model for future design/engineering purposes, including apparent grade breaks.
 - Water elevations with time and date for lakes, streams, ponds.
 - Drainage structures: record structure type, rim/lid/headwall elevation, bottom elevations where accessible, and throat inverts. Record pipe sizes, materials, and invert elevations.
 - Sanitary sewer structures: record structure type, rim elevation, and inverts or bottom of structure. Record pipe sized, materials, and invert elevations.
 - Limits of this topographical survey shall be shown on the attached **Exhibit B**. Applicable methodology for topographic collection i.e., traditional location, GPS,

and LiDAR applications shall be at the discretion of the CONSULTANT and sufficient detail shall be provided within the Surveyor's Report to convey expected accuracy and project specific information.

- Utilizing field mapped features, visible right-of-way monumentation, documentation and COUNTY GIS data, generate approximate right-of-way lines within the project limits, and generate virtual, non-monumented geometry lines (survey baselines) for each major route of the survey. These geometry lines will be a "best fit" of these routes but should not be construed to be a historical alignment retracement. Any historical retracement of alignments shall be considered outside of this scope of services.
- Property Appraiser's database ownership and date data obtained will be shown within the project area.
- In the event of unforeseen access / safety issues, the surveyor will provide data that can be readily / safely acquired. Structures that require confined space entry shall be considered outside the scope of services. Manholes on the 42-inch gravity interceptor will be accessed simultaneously with the condition assessment of the pipe to reduce the impacts to the travelling public that would result from multiple lane closures.

C. CONSULTANT will conduct ASCE 38.02 Quality Levels "A" and "B" subsurface utility engineering (SUE) services for the project. Following the COUNTY's acceptance of the recommended force main alignment, Level B Utility Designation using standard electromagnetic locating techniques and ground penetrating radar will be used to determine the approximate location of existing utilities in the vicinity of anticipated entry and exit pits for horizontal directional drills (HDDs) and jack and bores (J&Bs). Since it is anticipated that the design of the force main will require the pipe to be installed at a depth greater than the anticipated depth of other existing utilities, the use of SUE services along Belcher Road will be limited to only the forementioned entry and exit pits. For budgeting purposes, CONSULTANT assumes the need to perform Level B SUE at no more than sixteen (16) entry and exit pit locations. Level B Utility Designation will also be performed along the accepted force main alignment on 62nd Avenue N. and within the SCBWRF boundary.

In conjunction with the 60% design submittal, the CONSULTANT will conduct subsurface utility locates of potential crossings and conflicts with identified underground utilities using vacuum excavation (Level A) within the same locations that the Level B SUE was performed. A total of up to one hundred (100) test holes have been budgeted for this task. Location of the test holes will be shown on the construction plans with a corresponding table showing the results of the test holes including test hole number, utility type, depth to top of pipe; and where available, pipe diameter and pipe material.

Maintenance of traffic (MOT) with complex setups and road closures to perform SUE services are not included in this scope of services. Should such MOT be required, the

design and permitting of the MOT can be performed as additional services once agreed to by the COUNTY.

- D. Geotechnical Investigation: CONSULTANT's Geotechnical subconsultant will investigate soil and groundwater conditions along the proposed force main alignment. For budgeting purposes, CONSULTANT assumes a total of fifteen (15) Standard Penetration Test (SPT) borings will be completed along the force main alignment. SPT borings will include four (4) to a depth of 75-ft, two (2) to a depth of 60-ft, and nine (9) to a depth of 50-ft below grade. Up to ten (10) five-foot limerock core runs have also been budgeted. Upon completion, boreholes will be grouted. Consultant also assumes that all but two of the borings can be performed in non-paved areas outside of lanes of traffic. The other two borings will require outside lane closure, MOT, and permitting.

A limited laboratory classification testing program will be performed to aid in characterizing the engineering properties of the subsurface soils. Laboratory tests to be performed include grainsize analysis, Atterberg Limits and organic content tests, as deemed appropriate.

The results of the field and laboratory investigation will be included in a geotechnical report encompassing a presentation and discussion of the following:

- Logs of SPT borings
- Core recovery profile
- Results of laboratory testing
- Discussion subsurface soil and groundwater conditions
- Subgrade support conditions for direct embedded pipe
- Suitability of excavated soils for use as backfill
- Recommendations for placement and compaction of backfill soils
- Geotechnical considerations for horizontal direction drilling
- Dewatering considerations
- Geotechnical construction considerations

- E. Gravity Interceptor Condition Assessment: CONSULTANT will use a sewer inspection firm to perform a multi-sensor inspection of the 42-inch gravity interceptor. Inspection will document defects found in the gravity interceptor using CCTV, sonar, and LiDAR technology. The data provided will be used to assess the 42-inch gravity interceptor's structural and maintenance conditions and develop recommendations for pipe rehabilitation. Reports will be prepared using NASSCO's Pipeline Assessment Certification Program (PACP) guidelines.

For this project, CONSULTANT has budgeted \$48,000 for Maintenance of Traffic (MOT) required for temporary lane closures necessary to perform survey (manhole and inlet access), SUE, and gravity interceptor condition assessment. MOT with complex setups and road closures to perform field services is not included in this scope of services. Should such

MOT be required, the design and permitting of the MOT can be performed as additional services once agreed to by the COUNTY.

Task 4 – Preliminary Design

A. CONSULTANT shall prepare a series of Technical Memorandums. These Technical Memorandums shall identify the design concepts and assumptions; limits of restoration, rehabilitation, and/or replacement work, and initial recommendations for the proposed improvements. Four (4) Technical Memorandums will be prepared. Each Technical Memorandum will be submitted to the COUNTY and CITY for review and approval. If necessary, a meeting with the COUNTY and CITY will be scheduled to review each Technical Memorandum.

1. Hydraulic Modeling Technical Memorandum: CONSULTANT will use the County's existing hydraulic modeling to confirm MS #31 required pump size (flow and TDH) and force main size. Changes to the hydraulic model made by the CONSULTANT will be documented and presented to the COUNTY and the CITY. For this project, CONSULTANT assumes all flows to MS #31, pumped (manifolded) flows to the MS #31 force main (if any), and all peaking factors in the existing hydraulic model are accurate, and will rely on this information without the need to validate the accuracy of this information.
 - CONSULTANT shall use the hydraulic model to determine the discharge pressures in the proposed 24-inch force main at the tie-in location for the 6-inch Bayou Club force main.
2. Force Main Alignment Technical Memorandum: Using aerials, information obtained in Task 2, and information received from private utilities, CONSULTANT will:
 - Identify the limits of the force main replacement (i.e., connection points to the existing 24-inch PVC CITY force main and at the SCBWRF Headworks).
 - Identify the recommended alignment of the 24-inch force main extension.
 - Identify methods of construction to be used for the force main (i.e., open cut, horizontal directional drill, jack and bore) and approximate limits for each method of construction.

Note that the Force Main Alignment Technical Memorandum will be prepared prior to the completion of the topographic survey. As such, should it be determined that adjustments to the force main alignment are necessary based on new information obtained by the survey, the CONSULTANT will notify the COUNTY and the CITY of the necessary changes.

3. 42-inch Gravity Interceptor Condition Assessment Technical Memorandum: Using the data obtained from the multi-sensor inspection of the 42-inch gravity interceptor, CONSULTANT will prepare a technical memorandum summarizing the observed structural and maintenance conditions of the 42-inch gravity interceptor's and the recommendations for pipe rehabilitation. CONSULTANT assumes a maximum of three (3) sewer rehabilitation alternatives will be evaluated. The evaluation of the

rehabilitation alternatives will include coordinating with the COUNTY's hydraulic modeler to determine the inside pipe diameter loss that can be safely induced when rehabilitating the 42-inch gravity interceptor. The technical memorandum will be prepared using NASSCO's Pipeline Assessment Certification Program (PACP) guidelines. The 42-inch Gravity Interceptor Condition Assessment Technical Memorandum will also identify bypass pumping requirements and maintenance of traffic requirements anticipated to perform the recommended pipe rehabilitation.

4. MS #31 Rehabilitation Technical Memorandum: Using information obtained in Task 2, information obtained from site visit with CITY staff, and interview of CITY's operations and maintenance staff, CONSULTANT will identify recommended improvements to MS #31, including pump replacement and pipe modifications; structural, and electrical system modifications required to accommodate the pump replacement; generator replacement; site improvements. The MS #31 Rehabilitation Technical Memorandum will also include an evaluation of the existing pump control panel and instruments for compatibility with proposed pump replacement and electrical system improvements to MS #31 and provide recommendations to the CITY if modifications to the panel are required for compatibility.

The four (4) Technical Memorandums are intended to provide all stakeholders the opportunity to make critical decisions needed to define the design at the initial stage of the project. With the COUNTY's and the CITY's approval of the Technical Memorandums, the SUE and Geotechnical investigations will proceed.

- B. CONSULTANT shall prepare a final Preliminary Design Report from the approved Technical Memorandum. The Preliminary Design Report will include topographic survey of the force main route, summary of Utility Agency Owners (UAO) contacted, summary report of the condition of the existing 42-inch gravity interceptor and recommendations for rehabilitation to the pipe, P&ID for MS #31, preliminary plan and section views of the pump and piping layout, electrical single line diagram, and preliminary (AACE Class 5) opinion of construction cost.

Task 5 – Final Design

- A. Design Drawings: CONSULTANT will prepare and submit 60%, 90% and Issue for Bid design drawings that will generally consist of the following:
 - Cover sheet, key sheet, general note sheets, abbreviations and legends sheet.
 - Plan and profile sheets for the force main replacement and force main extension to the SCBWRP. CONSULTANT assumes a mix of horizontal directional drill, jack and bore, and open cut trench installation methods will be required for the force main construction.
 - Plan and profile sheets for the 42-inch gravity interceptor rehabilitation. For design fee budgeting purposes, CONSULTANT assumes that the 42-inch gravity interceptor will be rehabilitated trenchlessly using a spun cast geopolymer liner. Should the field investigation of the gravity interceptor and rehabilitation

alternative analysis find a different method of improvements to the interceptor is recommended, it is understood that the CONSULTANT and the COUNTY will revise the scope and design fee accordingly.

- Temporary bypass pumping set-up and discharge pipe routing sheets (required for 42-inch gravity interceptor rehabilitation.)
- Pipe staging sheets (for fabrication and staging fusible pipe and casing pipe).
- Maintenance of traffic (MOT) plans. FDOT standard MOT index sheets will be used where applicable. CONSULTANT assumes that vehicular detour plans will not be required; and as such, preparation of vehicular detour plans are not included in this scope of work. Should it be determined that vehicular detour plans are necessary, CONSULTANT can prepare vehicular detour plans as additional scope of work.
- Plan and profile sheet for the extension of the 2-inch force main from the private residence on the west side of Belcher Rd. (8800 Belcher Rd.) to the gravity manhole located on 88th Avenue N. The approximate length of the force main extension is 350 ft.
- Demolition plans for MS #31. Where available, existing record drawings and/or photographs will be used for the base drawings.
- Plan and section sheets for civil, structural, process mechanical, electrical, and instrumentation improvements at MS #31.
- Detail sheets. Where applicable, the CONSULTANT will utilize COUNTY and CITY standard details in the development of the project design.

Drawings will be prepared in compliance with COUNTY standards and shall utilize the 2023 Pinellas County Kit for Civil 3D.

CONSULTANT will submit the 60% design drawings (pdf) and a Utility Conflict Matrix to the UAO's that were identified by Sunshine 811 during the Preliminary Design Field Services Phase. CONSULTANT will request the owners verify their utilities are shown correctly on the drawings or to provide markups showing the proper horizontal and vertical locations. Markups received from the private utility owners will be incorporated into the 90% design. CONSULTANT shall schedule (time and place), notify participants, and conduct a Utility Meeting with affected UAO's. Items to be discussed at this meeting include maintenance of traffic (construction phasing), review the current design schedule, evaluate the utility information collected, discuss any future design issues that may impact utilities, to the extent that they may have an effect on existing or proposed utility facilities. The intent of this meeting shall be to assist the UAO's in identifying and resolving conflicts between utilities and proposed construction before completion of the plans, including utility adjustment details provided by the engineer of record. Also, to work with the UAO's to recommend potential resolution between known utility conflicts with proposed construction plans as may be deemed practical by the UAO and the COUNTY.

- B. Technical Specifications: CONSULTANT will prepare and submit 60%, 90% and Issue for Bid technical specifications for the construction of the force main, rehabilitation of

the gravity interceptor, and improvements to MS #31. Where applicable, the materials and equipment specified for the construction of the force main and the rehabilitation of the gravity interceptor shall be in accordance with the COUNTY's Material Specification Manual. Where applicable, the COUNTY's Standard Technical Specifications for Utilities and Related Construction shall be used. Similarly, where applicable, the materials and equipment specified for the construction of the improvements to MS #31 shall be in accordance with the CITY's standards for pump station construction.

- C. Cost Opinion: CONSULTANT will complete a quantity take-off and develop an opinion of probable construction costs (OPCC) to be included with the 60%, 90% and Issue for Bid submittals. The OPCC for the 60% submittal will be an Association for the Advancement of Cost Engineering (AACE) Class 3 level; the OPCC's for the 90% and Issue for Bid submittals will be an AACE Class 1 level.

Task 6 – Permitting Services

The COUNTY or the CITY, dependent on the right-of-way jurisdiction where the construction will be performed, will be responsible for paying all permit application and review fees, including all CSX fees.

- A. Florida Department of Environmental Protection (FDEP) Application for Constructing a Domestic Wastewater Collection/Transmissions System: CONSULTANT will prepare and submit two (2) separate permit applications per 62-604.600(7), F.A.C. One permit application will be submitted for the improvements to the COUNTY's gravity sewer interceptor. The other permit application will be submitted for the improvements to the CITY's MS #31 and the 24-inch force main. Address FDEP's request for information (RFI).
- B. Florida Department of Environmental Protection (FDEP) Environmental Resource Permit Application: CONSULTANT will prepare and submit a general permit application per 62-330, F.A.C. Address FDEP's request for information (RFI). It is understood that a single permit application will be submitted for the entire project.
- C. CSX Facility Encroachment Application: CONSULTANT will prepare and submit a permit application per CSX Transportation. Address CSX's request for information (RFI).
- D. Pinellas County Right-of-Way Use Permits: CONSULTANT will prepare and submit two (2) Right-of-Way Use Permit applications to the COUNTY. One permit application will be submitted for the lane closures required to perform the condition assessment of the 42-inch gravity interceptor. The second permit application will be submitted to construct the force main and gravity sewer interceptor. Address the COUNTY's request

for information (RFI). It is understood that with this second permit request a single permit application will be submitted for the construction of the entire project.

- E. City of Pinellas Park Building Department Permit Application: CONSULTANT will prepare and submit a single permit application to the City of Pinellas Park Building Department for the proposed structural, mechanical, and electrical improvements to MS #31.

Task 7 – Bid Phase Services

- A. CONSULTANT will attend one pre-bid meeting and site visit to discuss the project with prospective bidders. It is understood that the COUNTY will conduct the meeting.
- B. CONSULTANT will review and respond to questions received from prospective bidders during the bidding period. COUNTY will be responsible for receiving the questions and forwarding same to the CONSULTANT and for distributing addenda to the prospective bidders.
- C. CONSULTANT will assist the COUNTY in the evaluation of the apparent low bidder by reviewing the three lowest bid submittals for mathematical accuracy, reviewing their qualifications against the stated requirements, and contacting the provided references for past work experience. CONSULTANT will provide a written recommendation letter for the award of the contract.

Task 8 – Community Outreach

CONSULTANT will develop a Public Engagement and Outreach Plan. Key elements of the Public Engagement and Outreach Plan include the development of outreach strategies, key messaging, engagement activities, and an outline of effective tools and techniques to be used during the design/pre-construction phase of the PROJECT. For budget purposes, it is understood that the duration of the design/preconstruction phase will be 12 months.

- A. Stakeholder Data Management: CONSULTANT will maintain and update a project stakeholder database to include contact information for residents, tenants, and businesses located along Belcher Road from 84th Avenue North to Pinellas County's South Cross Bayou Advanced Water Reclamation Facility and from 102nd Avenue North to 84th Avenue North, as well as other interested parties. The database will be used to document stakeholder communications during the delivery of the PROJECT.
- B. Project Information Contacts: CONSULTANT will set up, maintain, and monitor a project-specific telephone number and email address for use on project collateral. The CONSULTANT will respond to inquiries in a timely manner. Project-related calls and emails received will be documented in the project stakeholder database.

- C. Project Collateral: CONSULTANT will develop informational materials utilizing easily understood language and infographics. Collateral content will follow COUNTY brand guidelines and meet applicable COUNTY ADA accessibility requirements. QR codes will also be included on project collateral directing the public to project information located on the Pinellas.gov website. Collateral materials to be developed during the design phase may include the following that may be used by the COUNTY should the COUNTY choose to prepare a PowerPoint presentation:
- Fact Sheet
 - Frequently Asked Questions (FAQs)
 - Informational graphics/visualizations
- D. Project Webpage Content: The CONSULTANT will provide updates to the website content during the design phase of the Project. The COUNTY shall be responsible for updating the webpage.
- E. Public Meeting: COUNTY shall schedule and conduct one (1) open house format public meeting between the 60% and 100% design milestones. The meeting will be conducted by the COUNTY to present project information and gather feedback from the attendees. The information will be documented in a public meeting summary report prepared by the CONSULTANT. The COUNTY will be responsible for the following:
- Identifying an ADA-compliant facility/venue
 - Preparing and distributing public engagement meeting notifications
 - Preparing handouts, fact sheets, comment cards, sign-in sheets, press release, name tags for CONSULTANT and COUNTY staff
 - Posting public meeting notification information to the COUNTY's social media platforms, website, and other COUNTY communication channels
 - Staffing for meeting logistics; CONSULTANT will attend meeting to provide design technical support discussion
 - Photographing public engagement meeting (to include in Summary Report)
 - Compiling comments received and providing to CONSULTANT for response, if needed
 - Providing CONSULTANT with copies of meeting notifications, mailing list, public feedback, meeting collateral/materials, and final PowerPoint presentation prepared by the COUNTY

CONSULTANT will prepare a Meeting Summary Report to document participants, notifications, presentation collateral/materials, and comments received from meeting attendees and forwarded to the CONSULTANT.

- F. Community Outreach Activities: The CONSULTANT, in coordination with the COUNTY, will provide public information and outreach support to participate in informal and small group meetings and communications with property owners, residents, tenants, neighborhood associations, special interest groups, and other

interested parties to address specific stakeholder concerns regarding project design direction and developments.

- G. CONSULTANT will assist the COUNTY providing communications with stakeholders regarding the PROJECT during the construction phase. For budget purposes, it is understood that the duration of the construction phase shall not exceed 24 months.
- Update the Public Engagement and Outreach Plan as needed
 - Participate in monthly progress meetings
 - Prepare and distribute project ADA-accessible collateral (pre-construction notification, door hangers, flyers, press releases, updates to FAQs)
 - Remediate external documents to be ADA-compliant for online accessibility requirements
 - One-on-one interaction/informal meetings with property/business owners, residents, tenants, neighborhood associations, special interest groups, and other interested parties (as needed/required)
 - Maintain/update stakeholder database developed during the design phase.
 - Maintain and monitor project phone number and email address developed during the design phase
 - Respond to stakeholder and public inquiries and document in the stakeholder database
 - Provide COUNTY with updates to website content (ADA compliant) regarding milestones and construction activities impacting the public
 - Provide pertinent construction information to COUNTY for posting to the COUNTY's social media platforms and providing to local media

Task 9 – Limited Construction Phase Services

It is anticipated that the construction contract will be for two (2) years. If the awarded contractor does not reach completion within 2 years, additional construction services will be required. It is also anticipated that the COUNTY will provide a qualified full-time resident observer during the course of the construction activities and a project manager to provide all construction administration, as well as coordination with the COUNTY's resident observer and the contractor on a daily basis. The COUNTY will furnish to the CONSULTANT, and the CONSULTANT will require and rely on the COUNTY's daily construction observation reports, weekly construction progress photos, monitoring and recording of installed quantities, and reports of workmanship to complete this task.

- A. Preconstruction Conference: CONSULTANT will attend a pre-construction conference with the selected contractor, COUNTY and CITY staff to review project requirements, coordination, and scheduling. Preconstruction conference will be conducted by the COUNTY. Minutes of the meeting will be prepared and distributed by the COUNTY.
- B. Progress Meetings: Attend up to 24 monthly progress meetings subsequent to the preconstruction conference with the contractor and the COUNTY to review project

status including work progress, schedule, submittals, change orders, and RFIs. Meetings will be conducted by the COUNTY. Minutes of the meeting will be prepared and distributed by the COUNTY.

- C. Shop Drawing and other Submittal Reviews: CONSULTANT will establish and administer a procedure for receiving and tracking submittals, including long lead time items made by the contractor. Services will be provided for technical review of shop drawings, detailed construction drawings, and other submittals required by the Contract Documents. Copies of submittal reviews will be provided electronically via email to the COUNTY and the contractor.
- D. Test Results: CONSULTANT will review submitted test results received from the materials testing firm employed by the COUNTY. Materials testing shall include testing of concrete, soil densities, pipe pressure tests, and other materials testing as may be required during construction by the Contract Documents. Reports generated by the materials testing firm will be reviewed for compliance with specified criteria.
- E. Clarifications and Request for Information (RFI) Responses: CONSULTANT will review and respond to RFI's received from the contractor or the COUNTY. CONSULTANT will maintain a log to track RFI's. For budgeting purposes, CONSULTANT assumes no more than sixteen RFI's.
- F. Change Orders: CONSULTANT will review change requests submitted by the contractor and make recommendations to the COUNTY. CONSULTANT will maintain a log to track change orders.
- G. Periodic Site Visits: CONSULTANT will conduct periodic site visits utilizing staff familiar with the project to assess the overall construction progress and to observe major construction events. For budgeting purposes, CONSULTANT assumes twenty-four (24) site visits during the active construction period.
- H. Substantial and Final Completion Walkthrough: Upon notification of substantial completion of the entire project (no partials releases are anticipated) from the contractor and confirmation from the COUNTY's resident observer, CONSULTANT will conduct a walkthrough of the completed work to identify visible deficiencies. Once the walkthrough is complete, the CONSULTANT will prepare a punch list of items to be addressed/completed by the contractor. Once the contractor has completed the punch list items with concurrence from the COUNTY's resident observer, the CONSULTANT will conduct a final walk through to observe the work. If additional items are identified, the CONSULTANT will prepare a final punch list to be completed by the contractor and approved by the COUNTY.
- I. Prepare Record Drawings: CONSULTANT will review and provide comments on the redline drawings and signed and sealed record survey provided by the contractor.

Prior to submitting these documents, the COUNTY's resident observer will review the drawings and provide written comments back to the contractor and copy the CONSULTANT. All comments shall be corrected by the contractor and the revised redline drawings and record survey shall be provided to the COUNTY's resident observer who in turn will confirm in writing that the comments have been addressed. The accepted redline drawings and record survey shall be provided to the CONSULTANT in electronic Pinellas County CADD kit format. CONSULTANT will prepare and provide the COUNTY signed & sealed record drawings.

- J. Project Close-out: CONSULTANT will assist the COUNTY in closing out of the project. The contractor's final application for payment will be reviewed and a final change order will be prepared for the COUNTY. Upon completion of construction, CONSULTANT will submit record drawings and associated documents to the regulatory agencies. CONSULTANT will complete and submit the COUNTY's Contractor Performance Review, if requested.

3. **DELIVERABLES:**

The following Deliverables will be provided in conjunction with this work assignment.

- A. Monthly status report and updated project schedule with invoice
- B. Kickoff and design review meeting minutes
- C. Hydraulic Modeling Technical Memorandum, Force Main Alignment Technical Memorandum, 42-inch Gravity Interceptor Condition Assessment Technical Memorandum, and MS #31 Rehabilitation Technical Memorandum
- D. Preliminary Design Report
- E. Design drawings, technical specifications, and OPCC at 60%, 90% and Issue for Bid ⁽¹⁾
- F. Florida Department of Environmental Protection (FDEP) Application for Constructing a Domestic Wastewater Collection/Transmissions System
- G. Florida Department of Environmental Protection (FDEP) Environmental Resource Permit Application
- H. CSX Facility Encroachment Application
- I. Pinellas County Right-of-Way Use Permit
- J. City of Pinellas Park Building Department Permit Application
- K. Public Meeting Summary Report
- L. Responses to potential bidder questions during the bid phase
- M. Shop drawing reviews and log
- N. Contractor RFI responses and RFI log
- O. Contractor change order recommendation and log
- P. Substantial and final completion punch lists
- Q. Record drawings ⁽²⁾
- R. Contractor Performance Review

⁽¹⁾ Design drawings: 60% and 90% design will be PDF copy only; Issue for Bid will be five (5) full size (22"x34") printed copies, one PDF copy, and one Pinellas County CADD kit copy. Printed Issue for Bid copies shall be signed and sealed.

Technical Specifications: 60% and 90% design will be PDF copy only; Issue for Bid will be five (5) printed copies, one PDF copy, one MS Word copy. Printed Issue for Bid copies shall be signed and sealed.

⁽²⁾ Five (5) full size (22"x34") printed copies, one PDF copy, one Pinellas County CADD kit copy. Printed copies shall be signed and sealed.

4. OTHER CONSIDERATIONS:

The following items are not included within this scope of services but can be provided as additional services:

- A. Gopher Tortoise Relocation
- B. Wetlands Mitigation
- C. Protected Species-Specific Survey or Permitting
- D. Hydraulic Modeling Surge Analysis
- E. Legal Sketches and Descriptions
- F. CONSULTANT understands the project will be delivered as one (1) construction contract.

Section 4 PERFORMANCE SCHEDULE

The schedule for the performance of this Work Assignment is listed below.

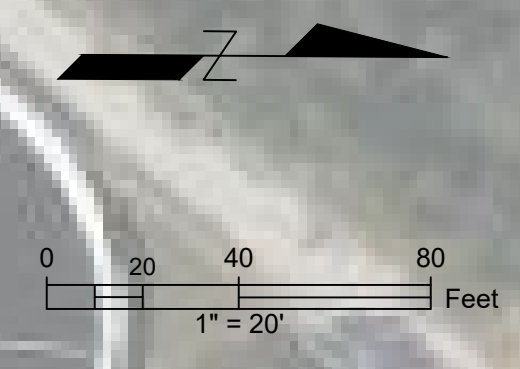
<u>Description</u>	<u>Weeks from NTP</u>
Project Setup	1 week
Kick-off Meeting	2 weeks
Regulatory Agencies Pre-Application Meetings	7 weeks
Survey	16 weeks
Gravity Interceptor Condition Assessment	14 weeks
Hydraulic Modeling TM	8 weeks
Force Main Alignment TM	14 weeks
Gravity Interceptor Condition Assessment TM	18 weeks
MS #31 Rehabilitation TM	17 weeks
Preliminary Design Report	23 weeks
Preliminary (60%) Submittal	41 weeks
County Review	44 weeks
Preliminary (90%) Submittal	56 weeks
County Review	59 weeks
Permit Submittals	61 weeks
Issue for Bid Submittal	69 weeks

McKim & Creed will provide the bid phase services, community outreach, and construction phase services (Tasks 7 through 9) in accordance with the COUNTY's procurement schedule and the subsequent construction contract schedule for the final completion of the project estimated at 2 years.

Section 7
COMPENSATION TO THE CONSULTANT

For the Scope of Services described, CONSULTANT shall be compensated a Lump Sum of \$2,524,058.00 in accordance with the terms of the agreement.

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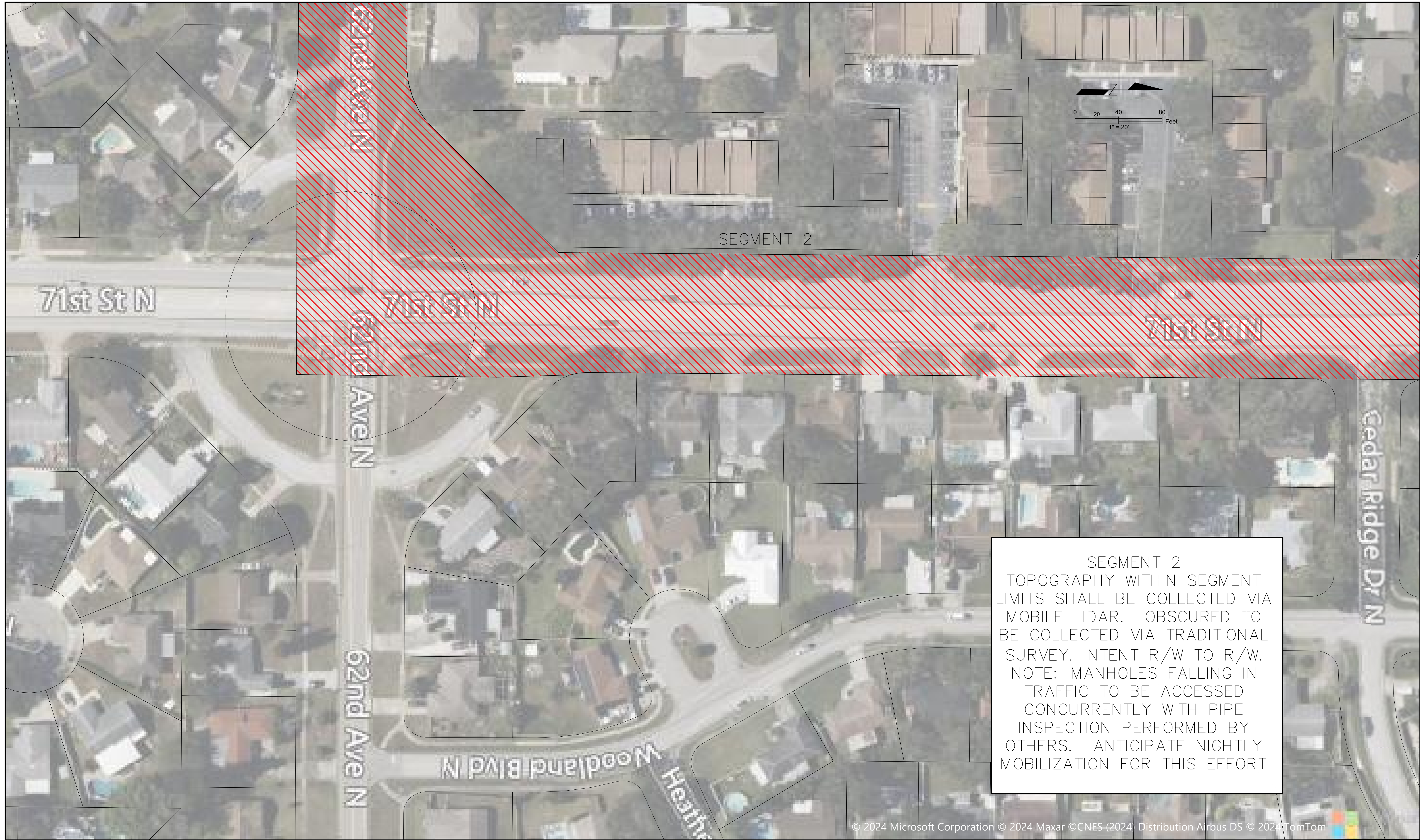
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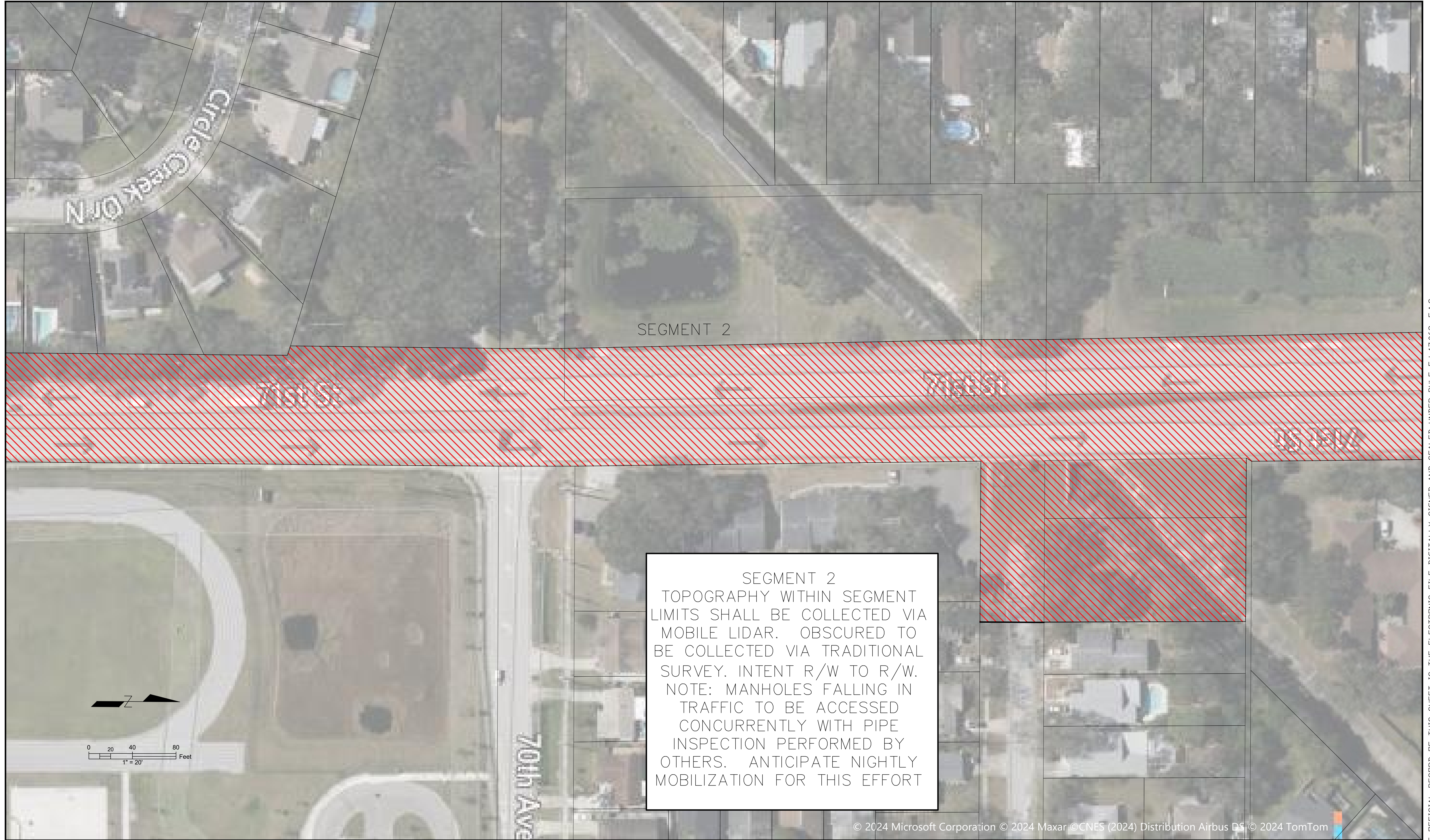
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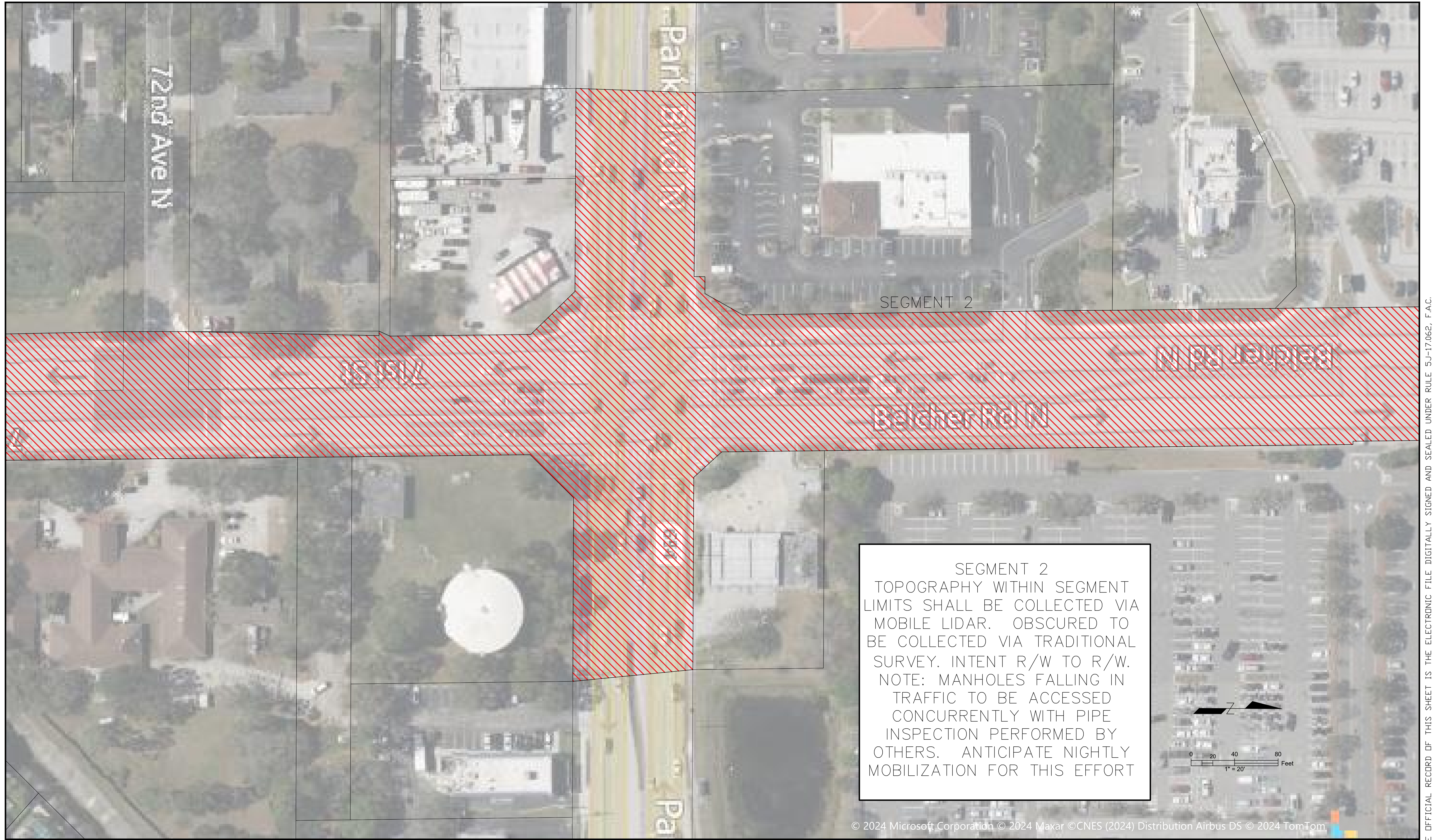
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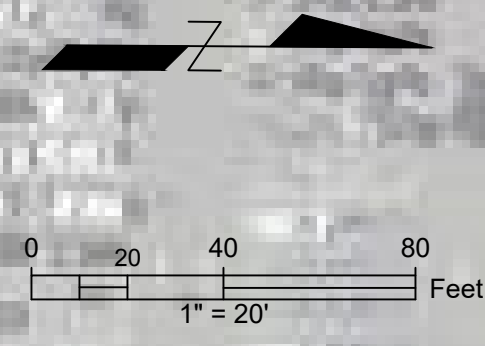
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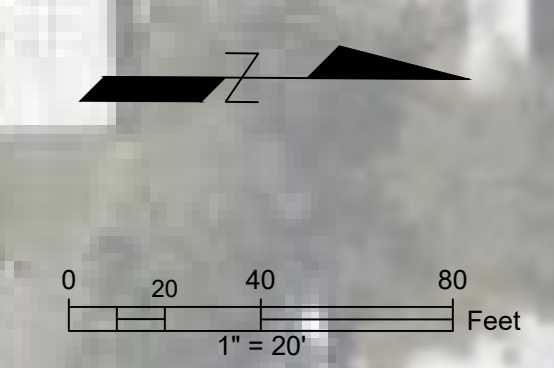
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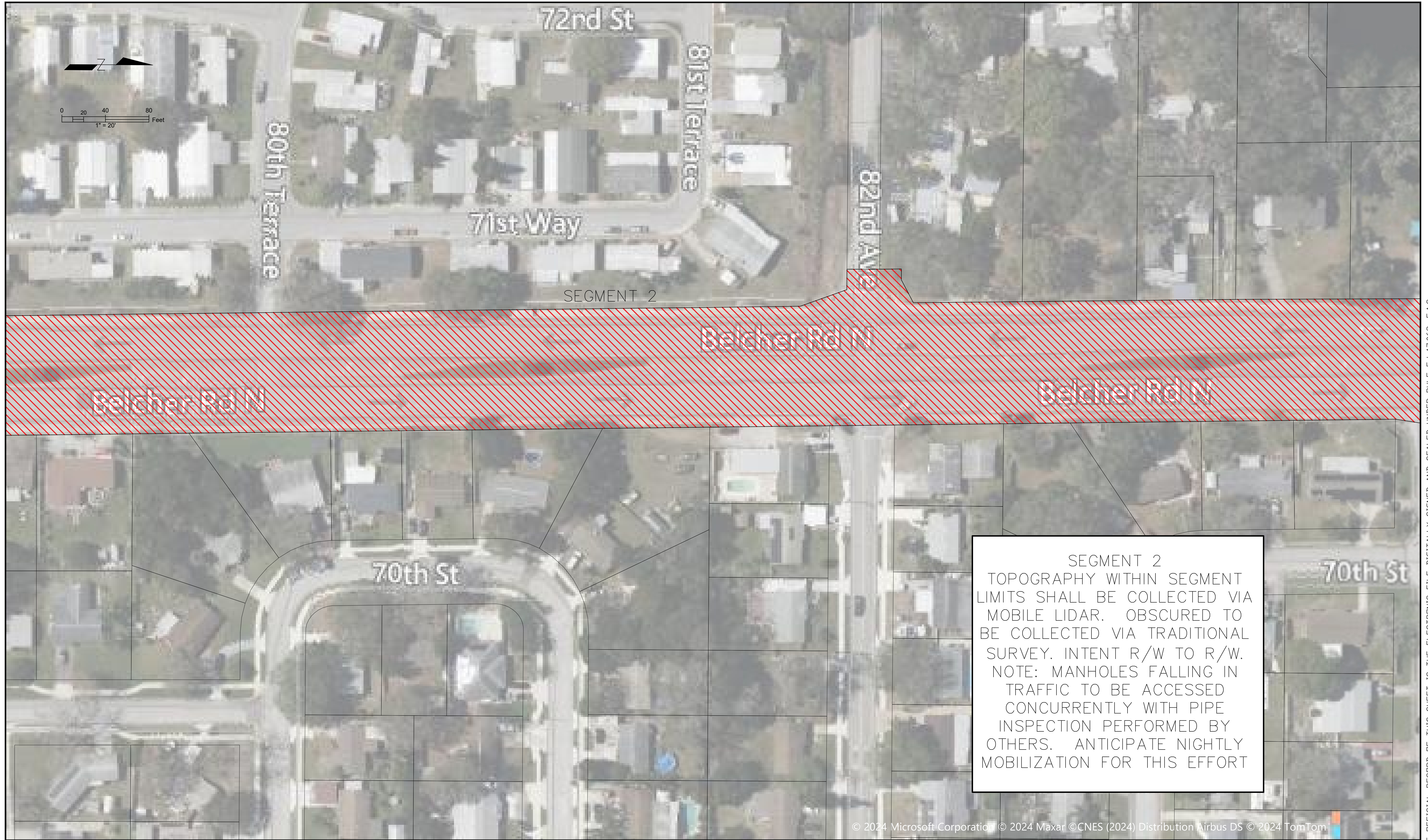
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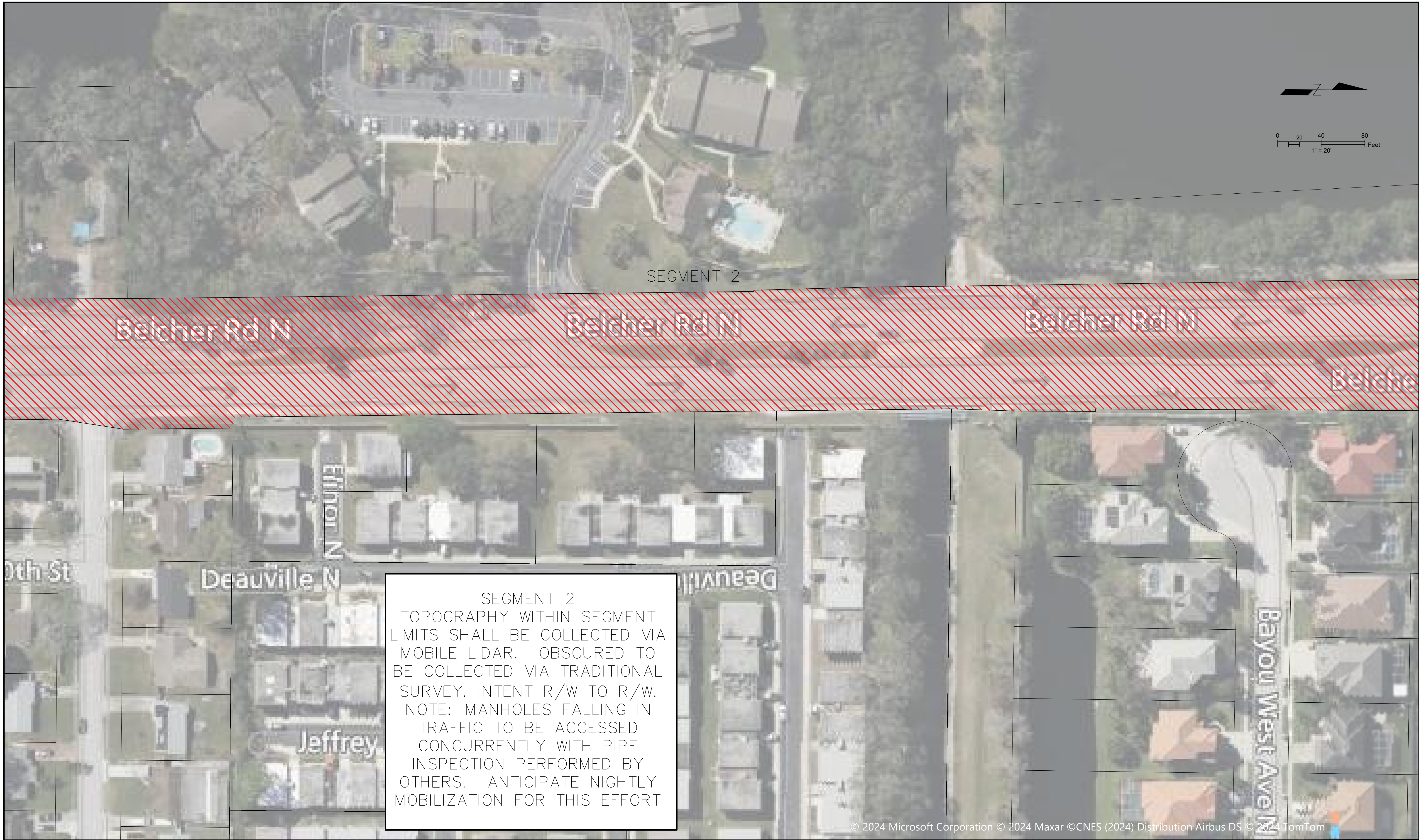
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REVISIONS	BY	DATE	SURVEY BOOK No.:	SURVEY SECTION	BY	DATE	<p><i>LIMITS OF TOPOGRAPHIC SURVEY</i></p>	<p>PINELLAS COUNTY, FLORIDA PUBLIC WORKS</p> <p><small>SURVEY AND MAPPING DIVISION 22211 U.S. HWY. 19 NORTH CLEARWATER, FLORIDA 33765-2347 PHONE (727) 464-8904</small></p>	<p><small>PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.</small></p>	SURVEY LIMITS EXHIBIT.dwg
SHEET: 08 of 15										



SEGMENT 2
 TOPOGRAPHY WITHIN SEGMENT
 LIMITS SHALL BE COLLECTED VIA
 MOBILE LIDAR. OBSCURED TO
 BE COLLECTED VIA TRADITIONAL
 SURVEY. INTENT R/W TO R/W.
 NOTE: MANHOLES FALLING IN
 TRAFFIC TO BE ACCESSED
 CONCURRENTLY WITH PIPE
 INSPECTION PERFORMED BY
 OTHERS. ANTICIPATE NIGHTLY
 MOBILIZATION FOR THIS EFFORT

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*LIMITS OF TOPOGRAPHIC
 SURVEY*

PINELLAS COUNTY, FLORIDA
 PUBLIC WORKS
 SURVEY AND MAPPING DIVISION
 22211 U.S. HWY. 19 NORTH
 CLEARWATER, FLORIDA 33765-2347
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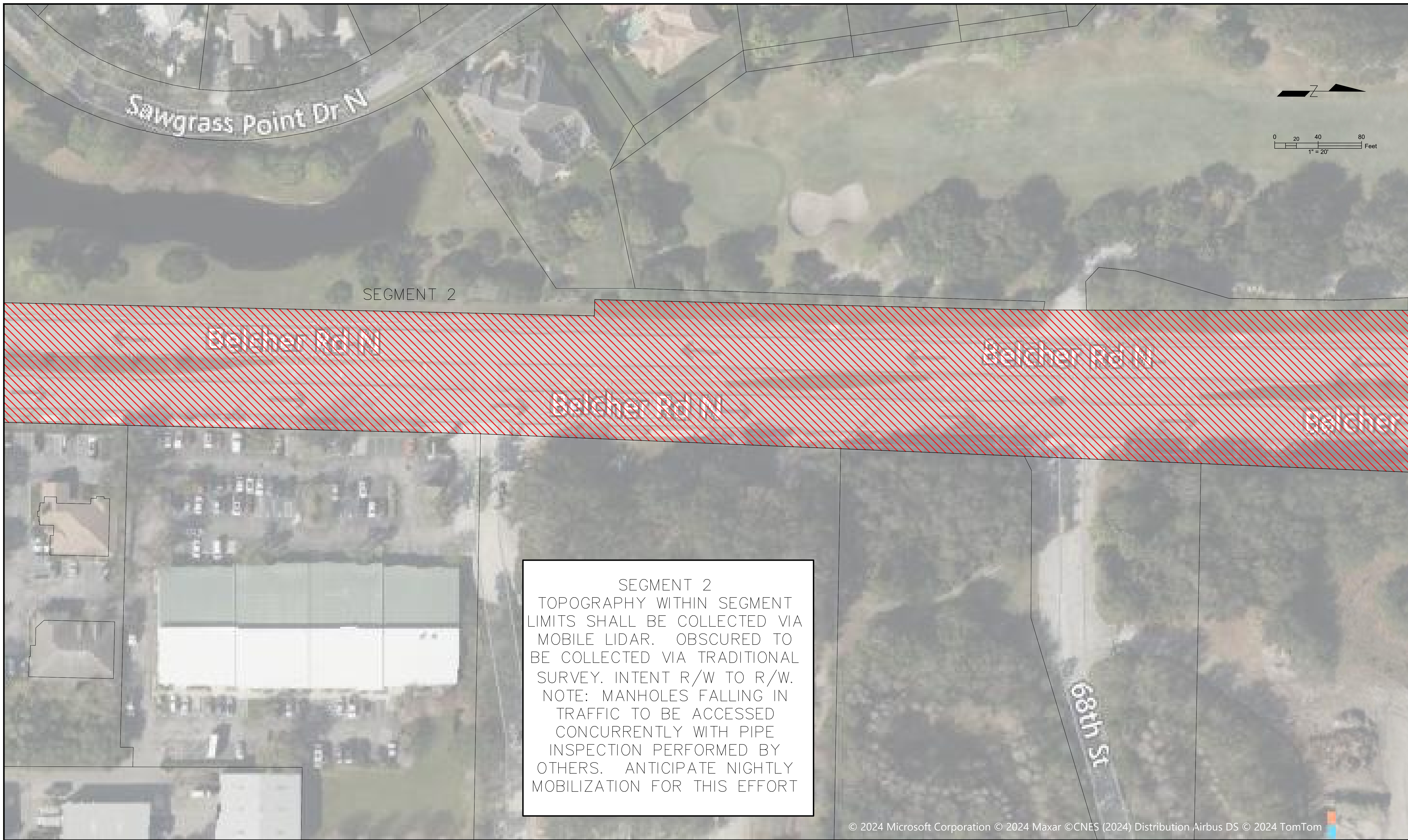
SEGMENT 2
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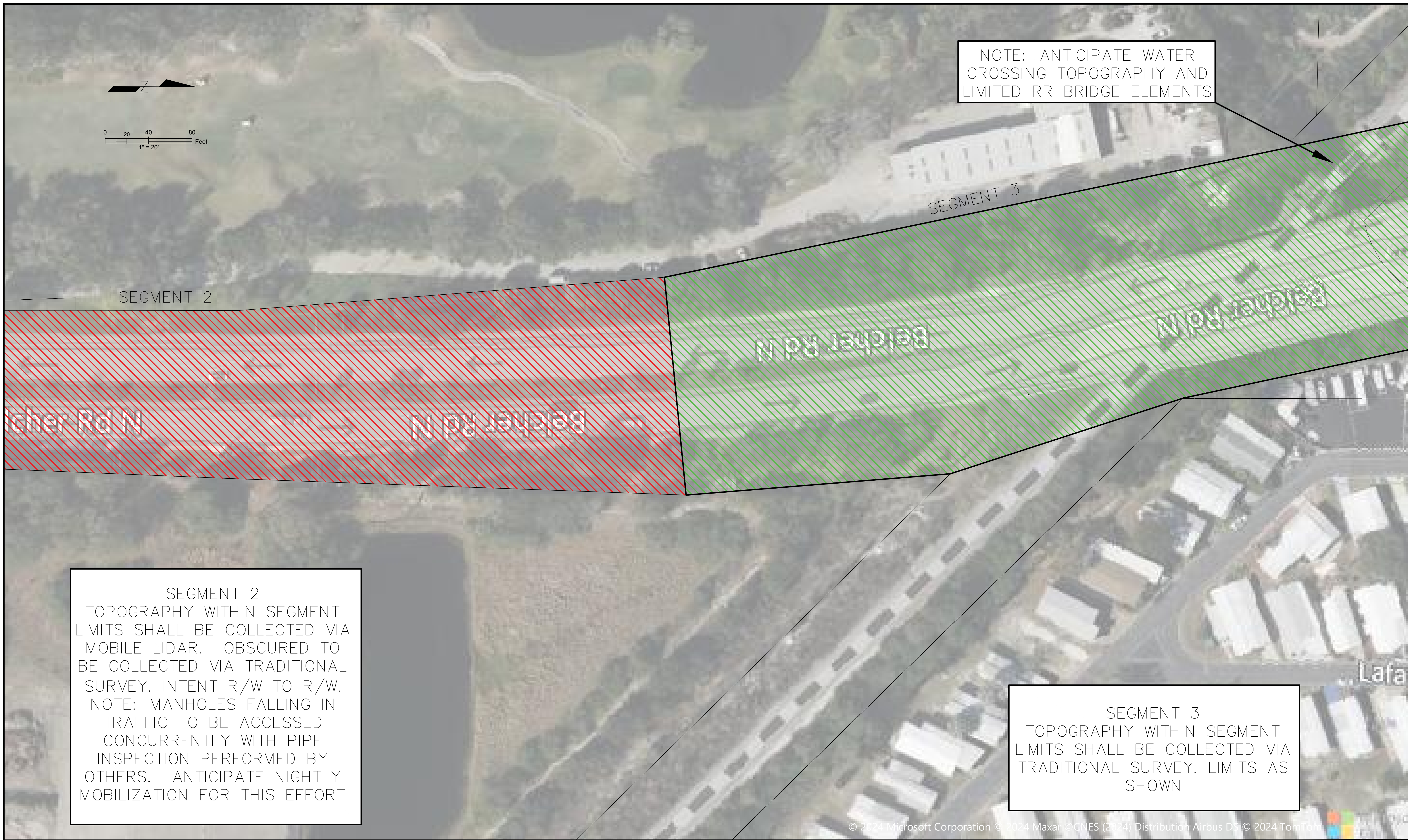
SEGMENT 2
 TOPOGRAPHY WITHIN SEGMENT LIMITS SHALL BE COLLECTED VIA MOBILE LIDAR. OBSCURED TO BE COLLECTED VIA TRADITIONAL SURVEY. INTENT R/W TO R/W. NOTE: MANHOLES FALLING IN TRAFFIC TO BE ACCESSED CONCURRENTLY WITH PIPE INSPECTION PERFORMED BY OTHERS. ANTICIPATE NIGHTLY MOBILIZATION FOR THIS EFFORT

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SEGMENT 2
 TOPOGRAPHY WITHIN SEGMENT LIMITS SHALL BE COLLECTED VIA MOBILE LIDAR. OBSCURED TO BE COLLECTED VIA TRADITIONAL SURVEY. INTENT R/W TO R/W. NOTE: MANHOLES FALLING IN TRAFFIC TO BE ACCESSED CONCURRENTLY WITH PIPE INSPECTION PERFORMED BY OTHERS. ANTICIPATE NIGHTLY MOBILIZATION FOR THIS EFFORT

SEGMENT 3
 TOPOGRAPHY WITHIN SEGMENT LIMITS SHALL BE COLLECTED VIA TRADITIONAL SURVEY. LIMITS AS SHOWN

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EXHIBIT B
LIMITS OF TOPOGRAPHIC SURVEY

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NOTE: STATIC SCAN OF UNDERSIDE OF BRIDGE FOR MINOR ELEMENT LOCATIONS

NOTE: ANTICIPATE WATER CROSSING TOPOGRAPHY

SEGMENT 3 TOPOGRAPHY WITHIN SEGMENT LIMITS SHALL BE COLLECTED VIA TRADITIONAL SURVEY. LIMITS AS SHOWN

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LIMITS OF TOPOGRAPHIC SURVEY

LIMITS OF TOPOGRAPHIC SURVEY

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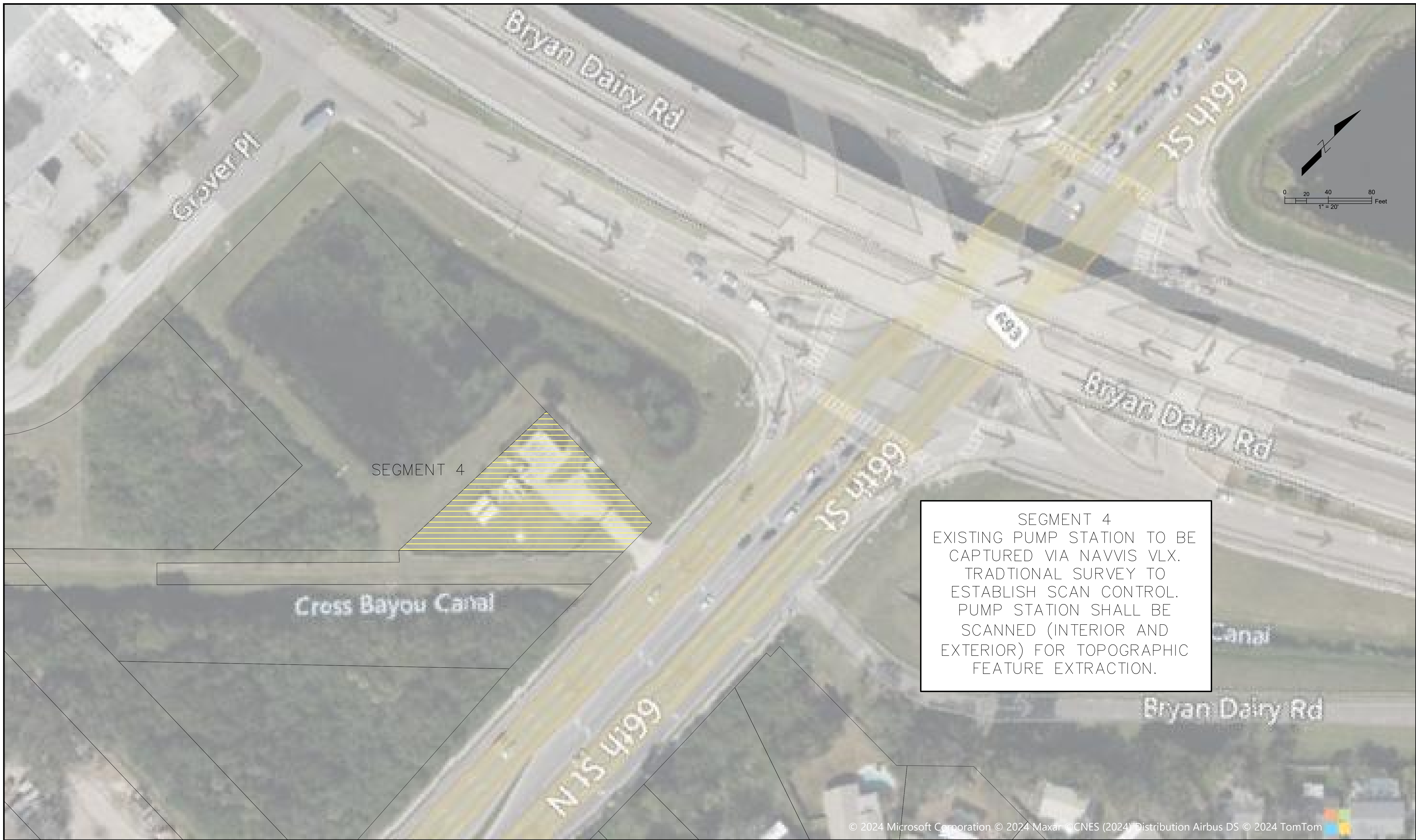
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SEGMENT 4
 EXISTING PUMP STATION TO BE CAPTURED VIA NAVVIS VLX. TRADITIONAL SURVEY TO ESTABLISH SCAN CONTROL. PUMP STATION SHALL BE SCANNED (INTERIOR AND EXTERIOR) FOR TOPOGRAPHIC FEATURE EXTRACTION.

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LIMITS OF TOPOGRAPHIC SURVEY

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MANPOWER BUDGET

PINELLAS PARK INTERCEPTOR COLLECTION SYSTEM
 CONTRACT #23-1042-RFP-CCNA
 PINELLAS COUNTY PID 003147A

TASK	Description	\$316	\$266	\$236	\$249	\$178	\$151	\$151	\$141	\$114	\$97	\$154	\$199	\$173	\$129	\$95	\$160	\$122	\$160	\$255	\$235	\$305	-----	-----	
		Regional Manager	Sr. Project Manager	Project Manager	Sr. Project Engineer	Staff Engineer	Engineer Intern	Senior Designer	Designer	Sr. Proj. Admin	Project Admin	Project Acct.	Senior Surveyor	Project Surveyor	Sr. Survey CAD Tech	Survey Tech	Sr. LIDAR Tech	LIDAR Tech	1 Person Survey Crew	3 Person Survey Crew	SUE Sr. PM	SUE Crew	Total Mhrs	TOTAL Cost	
Task 1:	Project Management																								
A	Project Initiation & Administration		112	104	0	20	0		0	0	16	72												324	\$70,536.00
B	Client KO Meeting	2	10	6	0	2	4		0	0	2													26	\$5,862.00
C	Internal Project Meetings	12	92	76	0	40	56	36	36	36														384	\$76,392.00
D	Client Project Meetings (3)		36	18	0	3	18		0	0	6													81	\$17,658.00
E	QAQC	24	104	24	0	0	0	12	12	10														186	\$45,556.00
F	Project Status Reports & Schedule Maintenance		60	0	0	0	0		0	0														60	\$15,960.00
-----	Task 1 Man-hours	38	414	228	0	65	78	48	48	46	24	72	0	0	0	0	0	0	0	0	0	0	0	1,061	-----
-----	Task 1 Man-hour Cost	\$12,008	\$110,124	\$53,808	\$0	\$11,570	\$11,778	\$7,248	\$6,768	\$5,244	\$2,328	\$11,088	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$231,964.00
-----	Task 1 Reimbursable Expenses																							\$0.00	
-----	Task 1 Subcontract	Pennoni																						\$16,709.00	
-----	TASK 1 COST																							\$248,673.00	
Task 2:	Data Collection and Review																								
A	Data Collection and Review	4	24	8	8	20	80		0	12														156	\$28,536.00
-----	Task 2 Man-hours	4	24	8	8	20	80	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	156	-----
-----	Task 2 Man-hour Cost	\$1,264	\$6,384	\$1,888	\$1,992	\$3,560	\$12,080	\$0	\$0	\$1,368	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$28,536.00
-----	Task 2 Reimbursable Expenses																							\$0.00	
-----	Task 2 Subcontract	Pennoni																						\$1,875.00	
-----	TASK 2 COST																							\$30,411.00	
Task 3	Preliminary Design Field Services																								
A	Utility Coordination		6	4	0	4	16		16	8														54	\$8,836.00
B	Survey Services		10	12	0	0	16		16	0			32	50	222	40	144	106	44	497				1,189	\$227,367.00
C	SUE		10	12	0	0	16		24	0											96	480		638	\$180,252.00
D	Geotechnical Investigation		10	12	0	8	16		12	0														58	\$11,024.00
E	Gravity Interceptor Condition Assessment		8	0	0	0	0		0	0														8	\$2,128.00
-----	Task 3 Man-hours	0	44	40	0	12	64	0	68	8	0	0	32	50	222	40	144	106	44	497	96	480		1,947	-----
-----	Task 3 Man-hour Cost	\$0	\$11,704	\$9,440	\$0	\$2,136	\$9,664	\$0	\$9,588	\$912	\$0	\$0	\$6,368	\$8,650	\$28,638	\$3,800	\$23,040	\$12,932	\$7,040	\$126,735	\$22,560	\$146,400	-----	\$429,607.00	
-----	Task 3 Reimbursable Expenses																							\$0.00	
-----	Task 3 Subcontract	Pennoni																						\$22,264.00	
-----	Task 3 Subcontract	Harbor Coordination Solutions																						\$11,993.00	
-----	Task 3 Subcontract	Driggers Engineering Services																						\$40,932.00	
-----	Task 3 Subcontract	AWP Safety (Allowance for Temporary MOT)																						\$48,000.00	
-----	Task 3 Subcontract	RedZone																						\$114,100.00	
-----	TASK 3 COST																							\$666,896.00	
Task 4	Preliminary Design																								
A1	Hydraulic Model TM		4	8	0	98	0		0	0	4													114	\$20,784.00
A2	FM Alignment TM		8	40	0	0	60		40	0	4													152	\$26,656.00
A3	42" Gravity Interceptor Condition Assessment TM		4	8	0	0	0		0	0	4													16	\$3,340.00
A4	MS #31 Rehab TM	8	124	40	18	0	110	20	24	0	12													356	\$73,612.00
B	Preliminary Design Report	8	24	24	2	2	26	4	8	0	12													110	\$22,252.00
-----	Task 4 Man-hours	16	164	120	20	100	196	24	72	0	36	0	0	0	0	0	0	0	0	0	0	0	0	748	-----
-----	Task 4 Man-hour Cost	\$5,056	\$43,624	\$28,320	\$4,980	\$17,800	\$29,596	\$3,624	\$10,152	\$0	\$3,492	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$146,644.00
-----	Task 4 Reimbursable Expenses																							\$0.00	
-----	Task 4 Subcontract	Pennoni																						\$53,695.00	
-----	TASK 4 COST																							\$200,339.00	
Task 5	Final Design																								
A	Drawings (60%, 90%, IFB)	16	312	328	40	64	594	152	1500	0														3,006	\$510,954.00
B	Technical Specifications (60%, 90%, IFB)	4	48	30	8	24	92		0	16														222	\$43,092.00
C	OPCC (60%, 90%, IFB)		20	26	2	10	64		12	0														134	\$25,090.00
-----	Task 5 Man-hours	20	380	384	50	98	750	152	1512	16	0	0	0	0	0	0	0	0	0	0	0	0	0	3,362	-----
-----	Task 5 Man-hour Cost	\$6,320	\$101,080	\$90,624	\$12,450	\$17,444	\$113,250	\$22,952	\$213,192	\$1,824	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$579,136.00
-----	Task 5 Reimbursable Expenses																							\$0.00	
-----	Task 5 Subcontract	Pennoni																						\$167,277.00	
-----	Task 5 Subcontract	Harbor Coordination Solutions																						\$44,639.00	
-----	Task 5 Subcontract	RVTCAD																						\$5,000.00	
-----	Task 5 Subcontract	Alfka																						\$46,110.00	
-----	TASK 5 COST																							\$842,162.00	

PINELLAS PARK INTERCEPTOR COLLECTION SYSTEM
 CONTRACT #23-1042-RFP-CCNA
 PINELLAS COUNTY PID 003147A

Task	Description																								
Task 6	Permitting Services																								
A	FDEP Domestic Wastewater Collection/Transmission System (2 permits)		8	12	0	0	40	16	16	4														96	\$16,128.00
B	FDEP ERP		2	8	0	0	32		8	4														54	\$8,836.00
C	CSX		2	12	0	0	32		20	4														70	\$11,472.00
D	Pinellas County Right-of-Way Use Permit		2	4	0	0	16		8	4														34	\$5,476.00
E	City of Pinellas Park Building Department Permit		6	2	4	0	22	8	0	5														47	\$8,164.00
-----	Task 6 Man-hours	0	20	38	4	0	142	24	52	21	0	0	0	0	0	0	0	0	0	0	0	0	0	301	-----
-----	Task 6 Man-hour Cost	\$0	\$5,320	\$8,968	\$996	\$0	\$21,442	\$3,624	\$7,332	\$2,394	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$50,076.00	
-----	Task 6 Reimbursable Expenses																						\$0.00		
-----	Task 6 Subcontract	Pennoni																					\$9,794.00		
-----	TASK 6 COST																						\$59,870.00		
Task 7	Bid Phase Services																								
A	Pre-Bid Meeting		6	6	0	0	0		0	4														16	\$3,468.00
B	Addenda		24	24	2	4	24	8	12	10														108	\$20,922.00
C	Bid Review & Recommendation		4	0	0	0	0		0	4														8	\$1,520.00
-----	Task 7 Man-hours	0	34	30	2	4	24	8	12	18	0	0	0	0	0	0	0	0	0	0	0	0	0	132	-----
-----	Task 7 Man-hour Cost	\$0	\$9,044	\$7,080	\$498	\$712	\$3,624	\$1,208	\$1,692	\$2,052	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$25,910.00	
-----	Task 7 Reimbursable Expenses																						\$0.00		
-----	Task 7 Subcontract	Pennoni																					\$4,458.00		
-----	TASK 7 COST																						\$30,368.00		
Task 8	Community Outreach																								
A	Stakeholder Data Management		0	0	0	0	0		0	0														0	\$0.00
B	Project Information Contacts		2	2	0	0	0		0	4														8	\$1,460.00
C	Project Collateral		2	0	0	0	0		0	0														2	\$532.00
D	Project Webpage Content		0	0	0	0	0		0	0														0	\$0.00
E	Public Meeting	2	8	8	0	0	0		0	0														18	\$4,648.00
F	Social Media		0	0	0	0	0		0	0														0	\$0.00
G	Community Outreach Activities		8	0	0	0	0		0	0														8	\$2,128.00
H	Construction Phase		16	8	0	0	0		0	8														32	\$7,056.00
-----	Task 8 Man-hours	2	36	18	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	68	-----
-----	Task 8 Man-hour Cost	\$632	\$9,576	\$4,248	\$0	\$0	\$0	\$0	\$0	\$1,368	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$15,824.00	
-----	Task 8 Reimbursable Expenses																						\$0.00		
-----	Task 8 Subcontract	Valerin Group																					\$168,220.00		
-----	TASK 8 COST																						\$184,044.00		
Task 9	Limited Construction Phase Services																								
A	Pre-Construction Conference		4	4	2	0	0		0	4														14	\$2,962.00
B	Progress Meetings		48	72	24	0	0		0	48														192	\$41,208.00
C	Shop Drawing/Submittal Reviews		60	36	25	8	100		0	100														329	\$58,605.00
D	Test Results		6	8	0	0	0		0	16														30	\$5,308.00
E	RFIs		20	36	16	4	8	12	0	40														136	\$26,092.00
F	Field Orders/Change Orders		16	10	4	8	8	12	0	40														98	\$16,616.00
G	Periodic Site Visits		24	32	16	8	28		0	8														116	\$24,484.00
H	Substantial and Final Completion Walkthrough		6	9	8	0	8		0	0														31	\$6,920.00
I	Record Drawings		10	16	0	0	8	8	80	8														130	\$21,044.00
J	Project Close-out		18	17	4	0	0		0	24														63	\$12,532.00
-----	Task 9 Man-hours	0	212	240	99	28	160	32	80	288	0	0	0	0	0	0	0	0	0	0	0	0	0	1,139	-----
-----	Task 9 Man-hour Cost	\$0	\$56,392	\$56,640	\$24,651	\$4,984	\$24,160	\$4,832	\$11,280	\$32,832	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$215,771.00	
-----	Task 9 Reimbursable Expenses																						\$0.00		
-----	Task 9 Subcontract	Pennoni																					\$45,524.00		
-----	TASK 9 COST																						\$261,295.00		
-----	Total Project Man-hours	80	1328	1106	183	327	1494	288	1844	421	60	72	32	50	222	40	144	106	44	497	96	480	8914	-----	
-----	Total Project Man-hour Cost	\$25,280	\$353,248	\$261,016	\$45,567	\$58,206	\$225,594	\$43,488	\$260,004	\$47,994	\$5,820	\$11,088	\$6,368	\$8,650	\$28,638	\$3,800	\$23,040	\$12,932	\$7,040	\$126,735	\$22,560	\$146,400	-----	\$1,723,468.00	
-----	Total Project Reimbursable Expenses																						\$0.00		
-----	Total Subcontracts																						\$800,590.00		
-----	TOTAL PROJECT COSTS																						\$2,524,058.00		

PINELLAS PARK INTERCEPTOR COLLECTION SYSTEM
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Pennoni

TASK	Description	\$255 Sr. Project Manager	\$230 Project Manager	\$220 Project Engineer	\$175 Staff Engineer	\$100 CAD Tech	\$87 Project Admin	----- Total Mhrs	----- TOTAL Cost	
Task 1:	Project Management									
A	Project Initiation & Administration	1	32	0	0	0	12	45	\$8,659.00	
B	Client KO Meeting	1	6	2	2	0		11	\$2,425.00	
C	Internal Project Meetings	0	0	0	0	0		0	\$0.00	
D	Client Project Meetings (3)	0	9	9	9	0		27	\$5,625.00	
E	QAQC	0	0	0	0	0		0	\$0.00	
F	Project Status Reports & Schedule Maintenance	0	0	0	0	0		0	\$0.00	
-----	Task 1 Man-hours	2	47	11	11	0	12	83	-----	
-----	Task 1 Man-hour Cost	\$510	\$10,810	\$2,420	\$1,925	\$0	\$1,044	-----	\$16,709.00	
-----	Task 1 Reimbursable Expenses									\$0.00
-----	TASK 1 COST									\$16,709.00
Task 2:	Data Collection and Review									
A	Data Collection and Review	0	3	3	3	0		9	\$1,875.00	
-----	Task 2 Man-hours	0	3	3	3	0	0	9	-----	
-----	Task 2 Man-hour Cost	\$0	\$690	\$660	\$525	\$0	\$0	-----	\$1,875.00	
-----	Task 2 Reimbursable Expenses									\$0.00
-----	TASK 2 COST									\$1,875.00
Task 3	Preliminary Design Field Services									
A	Utility Coordination	0	0	0	0	0		0	\$0.00	
B	Survey Services	0	0	0	0	0		0	\$0.00	
C	SUE	0	0	0	0	0		0	\$0.00	
D	Geotechnical Investigation	0	0	0	0	0		0	\$0.00	
E	Gravity Interceptor Condition Assessment	2	18	32	48	20	2	122	\$22,264.00	
-----	Task 3 Man-hours	2	18	32	48	20	2	122	-----	
-----	Task 3 Man-hour Cost	\$510	\$4,140	\$7,040	\$8,400	\$2,000	\$174	-----	\$22,264.00	
-----	Task 3 Reimbursable Expenses									\$0.00
-----	TASK 3 COST									\$22,264.00
Task 4	Preliminary Design									
A1	Hydraulic Model TM	0	8	0	24	0		32	\$6,040.00	
A2	FM Alignment TM	0	0	0	0	0		0	\$0.00	
A3	42" Gravity Interceptor Condition Assessment TM	4	46	89	69	44		252	\$47,655.00	
A4	MS #31 Rehab TM	0	0	0	0	0		0	\$0.00	
B	Preliminary Design Report	0	0	0	0	0		0	\$0.00	
-----	Task 4 Man-hours	4	54	89	93	44	0	284	-----	
-----	Task 4 Man-hour Cost	\$1,020	\$12,420	\$19,580	\$16,275	\$4,400	\$0	-----	\$53,695.00	
-----	Task 4 Reimbursable Expenses									\$0.00
-----	TASK 4 COST									\$53,695.00
Task 5	Final Design									
A	Drawings (60%, 90%, IFB)	14	127	208	232	260		841	\$145,140.00	
B	Technical Specifications (60%, 90%, IFB)	1	18	28	14	0	6	67	\$13,527.00	
C	OPCC (60%, 90%, IFB)	0	8	16	14	8		46	\$8,610.00	
-----	Task 5 Man-hours	15	153	252	260	268	6	954	-----	
-----	Task 5 Man-hour Cost	\$3,825	\$35,190	\$55,440	\$45,500	\$26,800	\$522	-----	\$167,277.00	
-----	Task 5 Reimbursable Expenses									\$0.00
-----	TASK 5 COST									\$167,277.00
Task 6	Permitting Services									
A	FDEP Domestic Wastewater Collection/Transmission System (2 permits)	0	14	20	8	6	2	50	\$9,794.00	
B	FDEP ERP	0	0	0	0	0		0	\$0.00	
C	CSX	0	0	0	0	0		0	\$0.00	
D	Pinellas County Right-of-Way Use Permit	0	0	0	0	0		0	\$0.00	
E	City of Pinellas Park Building Department Permit	0	0	0	0	0		0	\$0.00	
-----	Task 6 Man-hours	0	14	20	8	6	2	50	-----	
-----	Task 6 Man-hour Cost	\$0	\$3,220	\$4,400	\$1,400	\$600	\$174	-----	\$9,794.00	
-----	Task 6 Reimbursable Expenses									\$0.00
-----	TASK 6 COST									\$9,794.00
Task 7	Bid Phase Services									
A	Pre-Bid Meeting	0	0	0	0	0		0	\$0.00	
B	Addenda	1	4	4	0	0	2	11	\$2,229.00	
C	Bid Review & Recommendation	1	4	4	0	0	2	11	\$2,229.00	
-----	Task 7 Man-hours	2	8	8	0	0	4	22	-----	
-----	Task 7 Man-hour Cost	\$510	\$1,840	\$1,760	\$0	\$0	\$348	-----	\$4,458.00	
-----	Task 7 Reimbursable Expenses									\$0.00
-----	TASK 7 COST									\$4,458.00

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Task 8	Community Outreach								
A	Stakeholder Data Management	0	0	0	0	0	0	0	\$0.00
B	Project Information Contacts	0	0	0	0	0	0	0	\$0.00
C	Project Collateral	0	0	0	0	0	0	0	\$0.00
D	Project Webpage Content	0	0	0	0	0	0	0	\$0.00
E	Public Meeting	0	0	0	0	0	0	0	\$0.00
F	Social Media	0	0	0	0	0	0	0	\$0.00
G	Community Outreach Activities	0	0	0	0	0	0	0	\$0.00
H	Construction Phase	0	0	0	0	0	0	0	\$0.00
-----	Task 8 Man-hours	0	0	0	0	0	0	0	-----
-----	Task 8 Man-hour Cost	\$0	\$0	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 8 Reimbursable Expenses								\$0.00
-----	TASK 8 COST								\$0.00
Task 9	Limited Construction Phase Services								
A	Pre-Construction Conference	0	3	3	3	0	2	11	\$2,049.00
B	Progress Meetings	0	24	24	0	0	2	50	\$10,974.00
C	Shop Drawing/Submittal Reviews	2	12	24	24	8	2	72	\$13,724.00
D	Test Results	0	0	0	0	0		0	\$0.00
E	RFIs	2	12	24	8	4	2	52	\$10,524.00
F	Field Orders/Change Orders	0	0	0	0	0		0	\$0.00
G	Periodic Site Visits	0	9	9	0	0	2	20	\$4,224.00
H	Substantial and Final Completion Walkthrough	1	8	8	0	0	2	19	\$4,029.00
I	Record Drawings	0	0	0	0	0		0	\$0.00
J	Project Close-out	0	0	0	0	0		0	\$0.00
-----	Task 9 Man-hours	5	68	92	35	12	12	224	-----
-----	Task 9 Man-hour Cost	\$1,275	\$15,640	\$20,240	\$6,125	\$1,200	\$1,044	-----	\$45,524.00
-----	Task 9 Reimbursable Expenses								\$0.00
-----	TASK 9 COST								\$45,524.00
-----	Total Project Man-hours	30	365	507	458	350	38	1748	-----
-----	Total Project Man-hour Cost	\$7,650	\$83,950	\$111,540	\$80,150	\$35,000	\$3,306	-----	\$321,596.00
-----	Total Project Reimbursable Expenses								\$0.00
-----	TOTAL PROJECT COSTS								\$321,596.00

Primary Contact:

Mitch Chiavaroli
 McKim & Creed
MChiavaroli@mckimcreed.com

Scope of Work & Basis of Understanding

McKim & Creed has requested multi-sensor inspection services for a 42-inch gravity sewer within Pinellas County, located along Belcher Rd. This line is approximately 10,000 linear feet with a 600 linear foot portion of 24-inch triple barrel siphon. It is believed that the line was rehabilitated with Cured in Place Plastic Liner (CIPP) in ~2010. The goal for this inspection is to determine a baseline condition of the pipeline, as a proposed force main is to be installed nearby. The gravity sewer does have multiple access points (i.e. manholes) along its length, with a few significant curves and bends. At the upstream end, four (4) force main pipes terminate at the gravity sewer. This means the 42-inch line *will* have flow at the time of inspection as these cannot be taken out of service. Inspections are recommended to take place in the evening when there is a reduction in flow capacity.

RedZone intends to use their **Profiler** platform to collect the necessary multi-sensor inspection (MSI) data. This collects a CCTV video to be analyzed via NASSCO standards, sonar below the flow for measuring debris depths and volumes across the length of the pipe, and laser above the flow to measure internal diameters and wall loss. The Profiler unit is capable of extending long lengths and through multiple manholes, however, all data will be provided via manhole-to-manhole pipe segments.

A reconnaissance has not been performed on this line. Tag lines to pull the robotic floating unit upstream (against the flow) may be required to complete inspections, depending on access. Additionally, if the use of pumps or flow control is possible, this may be required for inspection.

\$	DESCRIPTION	EST. QTY	UNIT	UNIT COST	SUBTOTAL
	1. Mobilization of Crews and Specialized Equipment	1	EA	\$ 8,450.00	\$ 8,450.00
	2. Demobilization of Crews and Specialized Equipment	1	EA	\$ 8,450.00	\$ 8,450.00
	3. 42" Multi-sensor Inspection - Profiler	10,000	LF	\$ 9.00	\$ 90,000.00
	4. 24" Triple-Barrel Siphon – Profiler	600	LF	\$ 12.00	\$ 7,200.00
	5. Multi-Sensor Inspection Report (Laser, Sonar)	1	EA	\$ Included	\$ Included
				TOTAL	\$ 114,100.00

Pricing Notes / Exclusions and Terms

- RedZone excludes bonding and prevailing rate.
- Jetter or tag line assistance may be required.
- Traffic Control (MOT) will be provided by others.
- Access Permits to be provided by others.

Deliverables

Sample deliverables can be found at the following link and correspond based on robotic platform required for scope of work.

<https://redzone.box.com/s/x43jhcxbp0m6mbqx2l3i0ax19s8223ta>

Schedule

Tentative Start Date: TBD. *Estimate:* Mid-End of April

Tentative Completion Date: No more than 7 days for field work, deliverable in 30 days

Work hours: 7am – 7pm, 7 days a week, excluding holidays and community events

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Harbor Coordination

		\$169	\$110	\$74	-----	-----
TASK	Description	Sr. Utility Coord	Utility Coord	Assist Coord	Total Mhrs	TOTAL Cost
Task 1:	Project Management					
A	Project Initiation & Administration	0	0		0	\$0.00
B	Client KO Meeting	0	0		0	\$0.00
C	Internal Project Meetings	0	0		0	\$0.00
D	Client Project Meetings (3)	0	0		0	\$0.00
E	QAQC	0	0		0	\$0.00
F	Project Status Reports & Schedule Maintenance	0	0		0	\$0.00
-----	Task 1 Man-hours	0	0	0	0	-----
-----	Task 1 Man-hour Cost	\$0	\$0	\$0	-----	\$0.00
-----	Task 1 Reimbursable Expenses					\$0.00
-----	TASK 1 COST					\$0.00
Task 2:	Data Collection and Review					
A	Data Collection and Review	0	0		0	\$0.00
-----	Task 2 Man-hours	0	0	0	0	-----
-----	Task 2 Man-hour Cost	\$0	\$0	\$0	-----	\$0.00
-----	Task 2 Reimbursable Expenses					\$0.00
-----	TASK 2 COST					\$0.00
Task 3	Preliminary Design Field Services					
A	Utility Coordination	49	27	10	86	\$11,991.00
B	Survey Services	0	0		0	\$0.00
C	SUE	0	0		0	\$0.00
D	Geotechnical Investigation	0	0		0	\$0.00
E	Gravity Interceptor Condition Assessment	0	0		0	\$0.00
-----	Task 3 Man-hours	49	27	10	86	-----
-----	Task 3 Man-hour Cost	\$8,281	\$2,970	\$740	-----	\$11,991.00
-----	Task 3 Reimbursable Expenses					\$0.00
-----	TASK 3 COST					\$11,991.00
Task 4	Preliminary Design					
A1	Hydraulic Model TM	0	0		0	\$0.00
A2	FM Alignment TM	0	0		0	\$0.00
A3	42" Gravity Interceptor Condition Assessment TM	0	0		0	\$0.00
A4	MS #31 Rehab TM	0	0		0	\$0.00
B	Preliminary Design Report	0	0		0	\$0.00
		0	0		0	\$0.00
-----	Task 4 Man-hours	0	0	0	0	-----
-----	Task 4 Man-hour Cost	\$0	\$0	\$0	-----	\$0.00
-----	Task 4 Reimbursable Expenses					\$0.00
-----	TASK 4 COST					\$0.00
Task 5	Final Design					
A	Drawings (60%, 90%, IFB)	185	94	41	320	\$44,639.00
B	Technical Specifications (60%, 90%, IFB)	0	0		0	\$0.00
C	OPCC (60%, 90%, IFB)	0	0		0	\$0.00
-----	Task 5 Man-hours	185	94	41	320	-----
-----	Task 5 Man-hour Cost	\$31,265	\$10,340	\$3,034	-----	\$44,639.00
-----	Task 5 Reimbursable Expenses					\$0.00
-----	TASK 5 COST					\$44,639.00

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Task 6	Permitting Services						
A	FDEP Domestic Wastewater Collection/Transmission System (2 permits)	0	0		0	\$0.00	
B	FDEP ERP	0	0		0	\$0.00	
C	CSX	0	0		0	\$0.00	
D	Pinellas County Right-of-Way Use Permit	0	0		0	\$0.00	
E	City of Pinellas Park Building Department Permit	0	0		0	\$0.00	
-----	Task 6 Man-hours	0	0	0	0	-----	
-----	Task 6 Man-hour Cost	\$0	\$0	\$0	-----	\$0.00	
-----	Task 6 Reimbursable Expenses						\$0.00
-----	TASK 6 COST						\$0.00
Task 7	Bid Phase Services						
A	Pre-Bid Meeting	0	0		0	\$0.00	
B	Addenda	0	0		0	\$0.00	
C	Bid Review & Recommendation	0	0		0	\$0.00	
-----	Task 7 Man-hours	0	0	0	0	-----	
-----	Task 7 Man-hour Cost	\$0	\$0	\$0	-----	\$0.00	
-----	Task 7 Reimbursable Expenses						\$0.00
-----	TASK 7 COST						\$0.00
Task 8	Community Outreach						
A	Stakeholder Data Management	0	0		0	\$0.00	
B	Project Information Contacts	0	0		0	\$0.00	
C	Project Collateral	0	0		0	\$0.00	
D	Project Webpage Content	0	0		0	\$0.00	
E	Public Meeting	0	0		0	\$0.00	
F	Social Media	0	0		0	\$0.00	
G	Community Outreach Activities	0	0		0	\$0.00	
H	Construction Phase	0	0		0	\$0.00	
-----	Task 8 Man-hours	0	0	0	0	-----	
-----	Task 8 Man-hour Cost	\$0	\$0	\$0	-----	\$0.00	
-----	Task 8 Reimbursable Expenses						\$0.00
-----	TASK 8 COST						\$0.00
Task 9	Limited Construction Phase Services						
A	Pre-Construction Conference	0	0		0	\$0.00	
B	Progress Meetings	0	0		0	\$0.00	
C	Shop Drawing/Submittal Reviews	0	0		0	\$0.00	
D	Test Results	0	0		0	\$0.00	
E	RFIs	0	0		0	\$0.00	
F	Field Orders/Change Orders	0	0		0	\$0.00	
G	Periodic Site Visits	0	0		0	\$0.00	
H	Substantial and Final Completion Walkthrough	0	0		0	\$0.00	
I	Record Drawings	0	0		0	\$0.00	
J	Project Close-out	0	0		0	\$0.00	
-----	Task 9 Man-hours	0	0	0	0	-----	
-----	Task 9 Man-hour Cost	\$0	\$0	\$0	-----	\$0.00	
-----	Task 9 Reimbursable Expenses						\$0.00
-----	TASK 9 COST						\$0.00
-----	Total Project Man-hours	234	121	51	406	-----	
-----	Total Project Man-hour Cost	\$39,546	\$13,310	\$3,774	-----	\$56,630.00	
-----	Total Project Reimbursable Expenses						\$0.00
-----	TOTAL PROJECT COSTS						\$56,630.00

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Valerin

TASK	Description	\$138 Outreach Manager	\$135 Outreach Specialist	\$127 Multimedia Specialist	\$122 Graphic Designer	----- Total Mhrs	----- TOTAL Cost
Task 1:	Project Management						
A	Project Initiation & Administration	0	0			0	\$0.00
B	Client KO Meeting	0	0			0	\$0.00
C	Internal Project Meetings	0	0			0	\$0.00
D	Client Project Meetings (3)	0	0			0	\$0.00
E	QAQC	0	0			0	\$0.00
F	Project Status Reports & Schedule Maintenance	0	0			0	\$0.00
-----	Task 1 Man-hours	0	0	0	0	0	-----
-----	Task 1 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 1 Reimbursable Expenses						\$0.00
-----	TASK 1 COST						\$0.00
Task 2:	Data Collection and Review						
A	Data Collection and Review	0	0			0	\$0.00
-----	Task 2 Man-hours	0	0	0	0	0	-----
-----	Task 2 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 2 Reimbursable Expenses						\$0.00
-----	TASK 2 COST						\$0.00
Task 3	Preliminary Design Field Services						
A	Utility Coordination	0	0			0	\$0.00
B	Survey Services	0	0			0	\$0.00
C	SUE	0	0			0	\$0.00
D	Geotechnical Investigation	0	0			0	\$0.00
E	Gravity Interceptor Condition Assessment	0	0			0	\$0.00
-----	Task 3 Man-hours	0	0	0	0	0	-----
-----	Task 3 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 3 Reimbursable Expenses						\$0.00
-----	TASK 3 COST						\$0.00
Task 4	Preliminary Design						
A1	Hydraulic Model TM	0	0			0	\$0.00
A2	FM Alignment TM	0	0			0	\$0.00
A3	42" Gravity Interceptor Condition Assessment TM	0	0			0	\$0.00
A4	MS #31 Rehab TM	0	0			0	\$0.00
B	Preliminary Design Report	0	0			0	\$0.00
-----	Task 4 Man-hours	0	0	0	0	0	-----
-----	Task 4 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 4 Reimbursable Expenses						\$0.00
-----	TASK 4 COST						\$0.00
Task 5	Final Design						
A	Drawings (60%, 90%, IFB)	0	0			0	\$0.00
B	Technical Specifications (60%, 90%, IFB)	0	0			0	\$0.00
C	OPCC (60%, 90%, IFB)	0	0			0	\$0.00
-----	Task 5 Man-hours	0	0	0	0	0	-----
-----	Task 5 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 5 Reimbursable Expenses						\$0.00
-----	TASK 5 COST						\$0.00
Task 6	Permitting Services						
A	FDEP Domestic Wastewater Collection/Transmission System (2 permits)	0	0			0	\$0.00
B	FDEP ERP	0	0			0	\$0.00
C	CSX	0	0			0	\$0.00
D	Pinellas County Right-of-Way Use Permit	0	0			0	\$0.00
E	City of Pinellas Park Building Department Permit	0	0			0	\$0.00
-----	Task 6 Man-hours	0	0	0	0	0	-----
-----	Task 6 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 6 Reimbursable Expenses						\$0.00
-----	TASK 6 COST						\$0.00

MANPOWER BUDGET

PINELLAS PARK INTERCEPTOR COLLECTION SYSTEM
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Task 7	Bid Phase Services						
A	Pre-Bid Meeting	0	0			0	\$0.00
B	Addenda	0	0			0	\$0.00
C	Bid Review & Recommendation	0	0			0	\$0.00
-----	Task 7 Man-hours	0	0	0	0	0	-----
-----	Task 7 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 7 Reimbursable Expenses						\$0.00
-----	TASK 7 COST						\$0.00
Task 8	Community Outreach						
A	Stakeholder Data Management	54	80		10	144	\$19,472.00
B	Project Information Contacts	0	32			32	\$4,320.00
C	Project Collateral	0	56		32	88	\$11,464.00
D	Project Webpage Content	0	4			4	\$540.00
E	Public Meeting	4	24		8	36	\$4,768.00
F	Social Media	0	0			0	\$0.00
G	Community Outreach Activities	0	48			48	\$6,480.00
H	Construction Phase	80	664		168	912	\$121,176.00
-----	Task 8 Man-hours	138	908	0	218	1,264	-----
-----	Task 8 Man-hour Cost	\$19,044	\$122,580	\$0	\$26,596	-----	\$168,220.00
-----	Task 8 Reimbursable Expenses						\$0.00
-----	TASK 8 COST						\$168,220.00
Task 9	Limited Construction Phase Services						
A	Pre-Construction Conference	0	0			0	\$0.00
B	Progress Meetings	0	0			0	\$0.00
C	Shop Drawing/Submittal Reviews	0	0			0	\$0.00
D	Test Results	0	0			0	\$0.00
E	RFIs	0	0			0	\$0.00
F	Field Orders/Change Orders	0	0			0	\$0.00
G	Periodic Site Visits	0	0			0	\$0.00
H	Substantial and Final Completion Walkthrough	0	0			0	\$0.00
I	Record Drawings	0	0			0	\$0.00
J	Project Close-out	0	0			0	\$0.00
-----	Task 9 Man-hours	0	0	0	0	0	-----
-----	Task 9 Man-hour Cost	\$0	\$0	\$0	\$0	-----	\$0.00
-----	Task 9 Reimbursable Expenses						\$0.00
-----	TASK 9 COST						\$0.00
-----	Total Project Man-hours	138	908	0	218	1264	-----
-----	Total Project Man-hour Cost	\$19,044	\$122,580	\$0	\$26,596	-----	\$168,220.00
-----	Total Project Reimbursable Expenses						\$0.00
-----	TOTAL PROJECT COSTS						\$168,220.00

Mitchel Chiavaroli

From: Amit Kumar <amit@rvtcad.com>
Sent: Tuesday, April 30, 2024 2:41 AM
To: Mitchel Chiavaroli
Subject: Re: Point cloud to Revit modeling

Hi David,

Thanks, we have reviewed the images. As per data, we could make an overall rough estimation which may vary from ±\$1500 to ±\$2000 and could be delivered in 7 to 10days.

Please see below our understanding and detailed scope of work.

Understandings:

- » Needs to create the 3D model of plant area including exterior and interior modeling from the point cloud data.
- » We need to model the Architecture, Steel Structure, MEPF, Topo of the plant area.
- » Needs to model elements if any like Revit families, walls, doors, windows, parking, curbs, sideways, topo, floors, roofs, columns, beams, ceilings, stairs, railings, etc
- » MEPF(Hvac, Piping, conduits, Ducting, Valves, fitting, machines, etc) services will be included.
- » No need to model movable furniture, cabinets, switches, outlets etc.

PLEASE NOTE:

Currently, we did not receive any point cloud files and scope of work, the estimation is a rough estimation, and based on the above-mentioned scope and understanding, if we have any changes in the real-world it may vary accordingly.

Please do not hesitate to ask if you have any further questions or concerns for me.

Kind Regards,

Amit

If require any further information or assistance, please do not hesitate to reach out to us.

Kind Regards,



Revised May 3, 2024
February 14, 2024

McKim & Creed, Inc.
551 North Cattlemen Road, Suite 106
Sarasota, Florida 34232

Attn: Mr. Blake Peters, P.E.

RE: Proposal for Geotechnical Services
Proposed Force Main
Belcher Road / 71st Street
Pinellas Park, Florida
Our File: DES 2312902P

Dear Mr. Peters:

In accordance with your request, we are pleased to furnish a proposal for providing geotechnical services for the subject force main. Included herein is a brief description of the requested scope of services together with our projected fees.

SCOPE OF SERVICES

It is our understanding a new 24-inch force main is planned along Belcher Road which turns into 71st Street heading south. The total length of the new force main will be about 3.6 miles. A series of Standard Penetration Test (SPT) borings was requested along the alignment. Laboratory testing will also be conducted on representative soils in conjunction with the soil borings.

SOIL BORINGS - To investigate subsurface soil and groundwater conditions along the proposed force main alignment, a program of seventeen (17) Standard Penetration Test (SPT) borings was requested. Four (4) borings were requested to a depth of 75 feet, two (2) to 60 feet and eleven (11) to 50 feet below grade. We were also requested to take continuous rock cores of the limestone formation where encountered. Generally, our local limestones do not lend themselves to successful

coring due to highly variable cementation which typically results in very poor core recovery. Accordingly, this limits the value of coring when weighed against the costs associated with the coring process. Therefore, to limit costs, we have budgeted conducting ten (10) five-foot core runs for the project. It should be noted that throughout the length of the force main run, limestone is expected to occur at a depth of about 50 feet to greater than 70 feet below grade. Therefore, the amount of coring is expected to be limited anyway. We also plan to utilize our larger diameter core barrel (HQ (2.5" core)) with which we have had better success with core quality than smaller diameter core barrels.

The force main will likely be installed by a combination of open excavation and Horizontal Directional Drilling (HDD). Therefore, all boreholes will be grouted to prevent cave-in and to prevent a preferential seepage path for HDD fluids.

We have examined the general accessibility of the requested test borings and access is typically limited, both laterally and overhead. We have budgeted that the majority of the test borings can be performed within non-paved areas with just normal traffic signage as opposed to traffic lane blockages and more significant traffic control. However, two (2) of the proposed locations will necessitate performance of the borings within the outside traffic lane due to access restrictions outside of the edge of pavement. Naturally, this will necessitate permit and lane closure provisions. The above, of course, is based upon the assumption that the test boring locations envisioned can be performed clear of underground utilities.

LABORATORY TESTING - A limited laboratory classification testing program has been budgeted to aid in characterizing the engineering properties of the subsurface soils. Our laboratory tests would include grainsize analyses, Atterberg Limits and organic content tests, as deemed appropriate.

We have also budgeted conducting a series of ten (10) unconfined compression tests on representative limerock cores for strength characterization.

REPORT PRESENTATION - The results of our field and laboratory investigation will be included in a geotechnical report encompassing a presentation and discussion of the following:

1. Logs of the exploratory borings
2. Core recovery profile (% recovery, RQD, etc.)
3. Results of laboratory testing, including compression test results

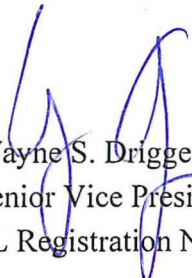
4. Discussion of subsurface soil and groundwater conditions
5. Subgrade support conditions for direct embedded piping
6. Suitability of excavated soils for use as backfill
7. Recommendations for placement and compaction of backfill soils
8. Geotechnical considerations for horizontal directional drilling
9. Dewatering considerations
10. Geotechnical construction considerations

REQUESTED FEES

Appended is a schedule of fees under which we propose to provide our geotechnical services. Based upon the attached fee schedule, we would suggest a budget of **\$40,932.00**. Certainly, should adverse conditions be encountered, or the actual locations of the required borings necessitate additional lane closures or other requirements that deviate from our assumptions, modifying the scope of our work or the means with which to conduct the borings may be necessary. However, we would clearly discuss these with you and secure your authorization prior to exceeding this budget.

DRIGGERS ENGINEERING SERVICES, INC. appreciates the opportunity to be of service to you and we trust if you have any questions concerning our proposal, you will not hesitate to contact the undersigned at your convenience.

Respectfully submitted,
DRIGGERS ENGINEERING SERVICES, INC.



Wayne S. Driggers, P.E.
Senior Vice President
FL Registration No. 58013

WSD

WSD-REP\2312902P

Copies: (1) Email

UNIT FEES AND ESTIMATED COSTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT FEE</u>	<u>ESTIMATED AMOUNT</u>	<u>ESTIMATED COST</u>
1.	Mobilization	\$450.00 LS	1	\$450.00
	a) Utility Locate, Coordination and Boring Layout (Project Manager 1)	150.00/Hr.	6 Hrs.	900.00
	b) Right-of-Way Use Permit	150.00 LS	1	150.00
2.	Standard Penetration Test Borings (4 @ 75'; 2 @ 60'; 11 @ 50')			
	a) Soil (0 – 50')	17.00/LF	850 LF	14,450.00
	b) Soil (50 – 75')	20.00/LF	0	0.00
	c) Limerock or Cemented Soils (50 – 75')	22.00/LF	120 LF	2,640.00
	d) Limerock Coring (HQ-Size)	60.00/LF	50 LF	3,000.00
	e) Temporary Casing	8.00/LF	240 LF	1,920.00
	f) Borehole Grouting (per SWFWMD)	6.00/LF	970 LF	5,820.00
	g) Traffic Control (MOT) Signage	200.00/Day	2 Days	400.00
	h) Crew Time (Clean Up, hole-to-hole set up, signage placement)	300.00/Hr.	6 Hrs.	1,800.00
3.	Laboratory Testing			
	a) Grainsize Analyses	40.00/Ea.	20	800.00
	b) Organic Content	40.00/Ea.	6	240.00

	c) Atterberg Limits	77.00/Ea.	6	462.00
	d) Unconfined Compression Testing (Including Sample Preparation)	160.00/Ea.	10	1,600.00
4.	CADD Operator	85.00/Hr.	12 Hrs.	1,020.00
5.	Chief Engineer 1 - Engineering Evaluation and Report	220.00/Hr.	24 Hrs.	5,280.00
			ESTIMATED TOTAL BUDGET:	<u>\$40,932.00</u>



PRICE LIST

Pricing effective until further notice

Corporate Office

4244 Mt. Pleasant St. NW

North Canton, OH 44720

Local Office

13900 US Highway 19N

Clearwater, Florida 33773

Bill To

McKim & Creed

551 North Cattlemen Road, Suite 106

Sarasota, Florida 34232

WHO TO CONTACT FOR JOB ESTIMATES

Laura Salmon | laura.salmon@awpsafety.com | (330) 604-4522

EFFECTIVE DATE

01-09-2024

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awpsafety.com | (800) 343-2650

Schedule Online awpsafety.com/schedule-now

Pricing effective until further notice

Basic Traffic Control Offerings and Typical Additions

Standard Flagging

PRODUCT	PRODUCT CODE	QUANTITY	RATE PER
Traffic Control Employee - Daily - 8 Hour Day	1M8D	2.0	Day
Standard Traffic Control Sign	STDSIGN	8.0	Day
Sign Stand	SSO	8.0	Day
Standard Traffic Cone	STC	30.0	Day
Vehicle Charge	VEH	1.0	Day
Port To Port	PORT	1.0	Each
See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays, etc.		Standard Example Total:	\$1,149.80
Enhanced Flagging Package - Safety and Cost Optimization			
AFAD - Automated Flagger Assistance Device (8 Hour Day)	AFAD8	2.0	Day
AFAD's will be deployed as site specific conditions permit and in accordance with MUTCD Standards.		AFAD Package Total:	\$399.00
Single Lane Closure			
Arrow Board	ARWBRD	1.0	Day
Single Lane Closure will include the products of the standard flagging package with an additional arrow board to comply with MUTCD Standards.		Arrow Board Total:	\$75.80
Sidewalk Closure			
Standard Traffic Control Sign	STDSIGN	2.0	Day
Sign Stand	SSO	2.0	Day
ADA Wall	ADAWALL	4.0	Day
		Sidewalk Closure Total:	\$48.56

DISCLAIMER: Basic Traffic Control Offerings above are indicative, and may not reflect what is required for a job to comply with MUTCD requirements. In this case, AWP Safety has the right to charge for additional equipment or labor used to comply with regulations. For complex traffic control estimates/quotes/bids, (i.e. Line Crossings, Interstate Work, Detours, Rentals, Special Events) - please contact the AWP estimator listed above.

AWP Comprehensive Price List

PRODUCT	PRODUCT CODE	REG PRICE	RATE PER
<i>Barricades</i>			
Attenuator - TL2	ATTL2	\$353.73	Day
6' Water Filled Barrier	WFB6	\$10.11	Day
Airport Water Barrier/Barricade	APWBAR	Varies	Day
Attenuator - TL3	ATTL3	\$353.73	Day
Airport Barricade Light	APBL	Varies	Day
Type III Barricade Only	T3O	\$10.11	Day
Type III Barricade w/ 2 A Flashers	T32A	\$16.17	Day
Type I Barricade w/ A Flasher	T1A	\$8.09	Day
ADA Wall	ADAWALL	\$7.08	Day
Type II Barricade Only	T2O	\$5.06	Day
Pedestrian Fence	PEDFENCE	\$7.08	Day
Type II Barricade w/ A Flasher	T2A	\$8.09	Day
Type I Barricade Only	T1O	\$5.06	Day
<i>Channelizing</i>			
Vertical Panel w/ A Flasher	VPA	\$5.06	Day
36" Reflectorized Cone	TC36R	\$0.76	Day
Grabber/Delineator w/ Base	GC42R	\$1.27	Day
Traffic Drum w/ Base	TDO	\$2.02	Day
Traffic Drum w/ A Flasher	TDA	\$5.06	Day
Vertical Panel w/ Base	VPO	\$2.02	Day
Standard Traffic Cone	STC	\$0.76	Day
28" Reflectorized Cone	TC28R	\$0.76	Day
<i>Fleet</i>			
Vehicle Charge	VEH	\$75.80	Day
TMA Truck Only - Daily	TMADLY	\$656.93	Day
<i>Fuel</i>			
Mileage	MILE	Varies	Mile
Fuel Surcharge - Light Vehicle	FUELLGT	Varies	Day
Fuel Surcharge - Heavy Vehicle	FUELHVY	Varies	Day
<i>LEO</i>			
Law Enforcement Officer Procurement and Processing	LEOP	\$74.81	Each
Law Enforcement Officer (LEO)	LEO	Varies	Hour
<i>Labor</i>			
Traffic Control Employee - Daily - 8 Hour Day	1M8D	\$485.12	Day
Traffic Control Supervisor - Hourly	1TCS	\$75.80	Hour
Traffic Control Employee - Daily - 10 Hour Day	1M10D	\$606.40	Day
Traffic Control Supervisor - Overtime/Night	1TCSOT	\$113.70	Hour
TMA Truck Driver Labor - Daily - 8 Hour Day	TMAL8	\$565.97	Day
Traffic Control Employee - Prevailing Wage	1MPV	Varies	Hour
Traffic Control Supervisor - Daily - 8 Hour Day	1TCS8D	\$485.12	Day
TMA Truck Driver Labor - Daily - 10 Hour Day	TMAL10	\$707.47	Day
Traffic Control Supervisor - Daily - 10 Hour Day	1TCS10D	\$606.40	Day
Traffic Control Employee - Prevailing Wage Fringe	1MPVF	Varies	Hour
TMA Truck Driver Labor - Hourly	TMAHRLY	\$70.75	Hour
Traffic Control Employee - Hourly	1M	\$60.64	Hour
Traffic Control Employee - Overtime/Night	1MOT	\$90.96	Hour
<i>Misc.</i>			
Steel Plate	STEEL	\$14.96	Day
Sandbag	SNDBG	\$1.50	Day
Cold Patch	COLDP	\$4.99	Day
Rumble Strips (6-pack)	RS	\$303.20	Day
Safety Flares (36-pack)	FLARE-S	\$134.66	Each

Mobilization

Port To Port	PORT	Varies	Each
Pick up Traffic Control - After Hours	PICKUPAH	Varies	Hour
Set up Traffic Control	SETUPTRFC	Varies	Hour
Set up Traffic Control - After Hours	SETUPAH	Varies	Hour
Tear Down Traffic Control	TEARDW	Varies	Hour
Tear Down Traffic Control - After Hours	TEARDWAH	Varies	Hour
Deliver Traffic Control	DEL	Varies	Hour
Deliver Traffic Control - After Hours	DELAH	Varies	Hour
Pick up Traffic Control	PICKUP	Varies	Hour

Per Diem

Lodging - Per Person	LODGE	Varies	Day
Per Diem - Per Person	PD	Varies	Day

Permit

Permit	PT	Varies	Each
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Signs

Standard Traffic Control Sign	STDSIGN	\$5.06	Day
Flag w/ Dowel	FLAGDWL	\$0.51	Day
Flagger Paddle	PADRENT	\$2.02	Day
Temporary No Parking Sign	TNP	\$5.06	Day
Custom Sign Small (<10 Sq. Ft.)	CS10	\$5.06	Day
Custom Sign Medium (10 to 16 Sq. Ft.)	CS16	\$5.06	Day
Custom Sign Large (>16 Sq. Ft.)	CS17	\$5.06	Day

Stands

Sign Stand	SSO	\$5.06	Day
Large Sign Stand	LSSO	\$5.06	Day
Buster/Spring Sign Stand Only	SPG	\$5.06	Day
Buster/Spring Sign Stand w/A Flasher	SPGA	\$8.09	Day
Buster/Spring Sign Stand w/B Flasher	SPGB	\$11.12	Day
Embedded Sign Post	UCH	\$5.06	Day

TCP

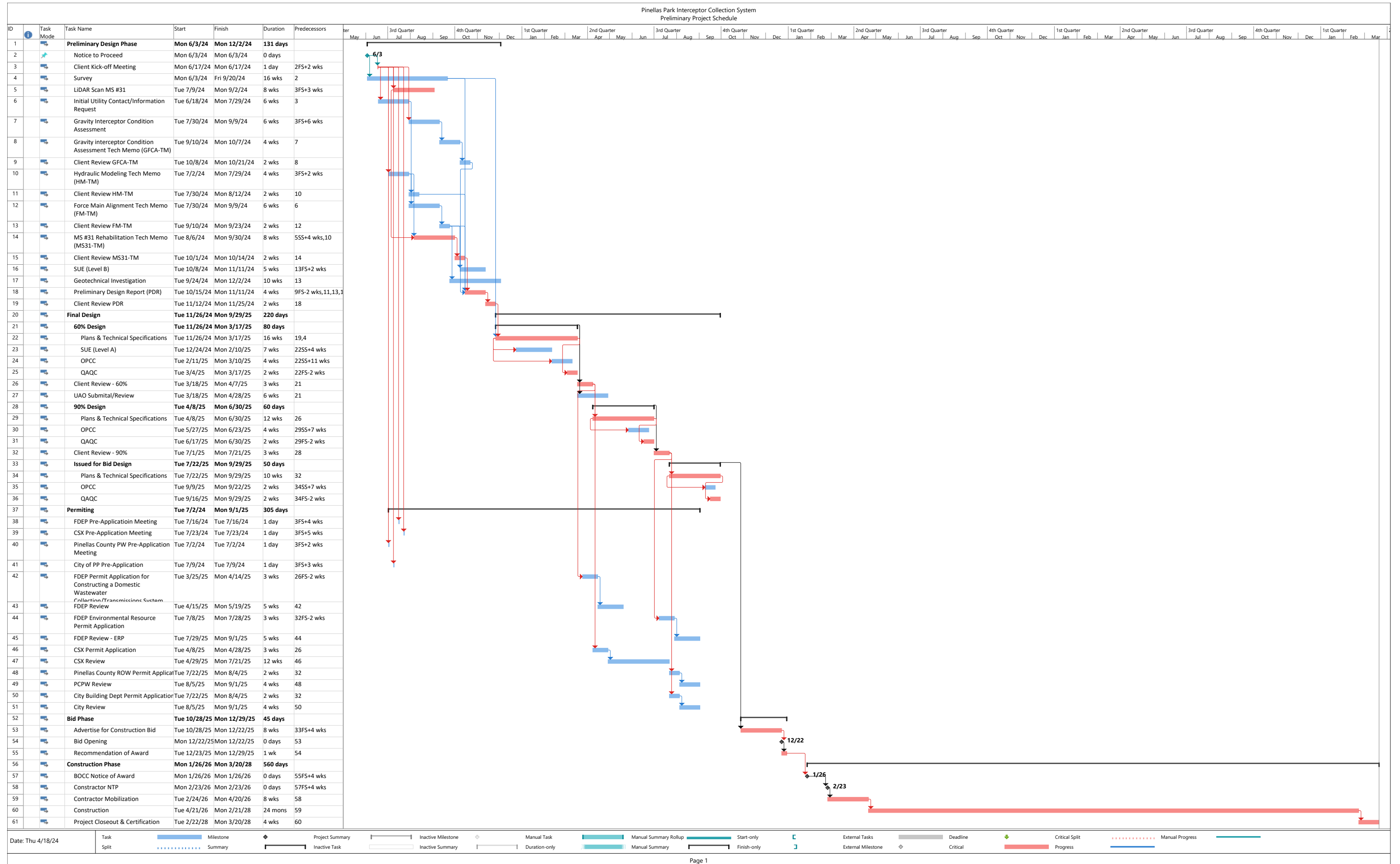
Traffic Control Plan (TCP)	TCP	Varies	Page
Traffic Control Plan (TCP) - Engineer Stamped	TCPSTMP	Varies	Page

Trailer Assets

AFAD - Automated Flagger Assistance Device (10 Hour Day)	AFAD10	\$249.38	Day
AFAD - Automated Flagger Assistance Device (8 Hour Day)	AFAD8	\$199.50	Day
Arrow Board	ARWBRD	\$75.80	Day
Message Board	MSGBRD	\$176.87	Day
Light Tower	LT	\$252.67	Day
Flagger Station Light	FSL	\$252.67	Day
Radar Speed Trailer	RADAR	\$75.80	Day
Portable Traffic Signal (PTS)	PTS	\$126.33	Day
Variable Speed Trailer	VST	\$75.80	Day

Warning Lights

Type A Flasher	AFL	\$3.03	Day
Type B Hi-Intensity Flasher	BFL	\$5.06	Day





ENGINEERS

SURVEYORS

PLANNERS

EXHIBIT B - HOURLY RATE SHEETS
PINELLAS PARK INTERCEPTOR COLLECTION SYSTEM
Contract No. 23-1042-RFP-CCNA
SCHEDULE OF RATES

Engineering Services (M&C)	
Classification	Hourly Rate
CAD Technician	\$ 107
Construction Manager	\$ 199
Designer	\$ 141
Engineer Intern	\$ 151
Engineering Manager	\$ 290
Field Technician	\$ 114
Lead SCADA Programmer	\$ 204
Principal	\$ 322
Programmer	\$ 190
Project Accountant	\$ 154
Project Administrator	\$ 97
Project Engineer	\$ 221
Project Manager	\$ 236
Project Representative	\$ 119
Regional Manager	\$ 316
Senior Construction Administrator	\$ 161
Senior Designer	\$ 151
Senior Field Technician	\$ 129
Senior Project Administrator	\$ 114
Senior Project Engineer	\$ 249
Senior Project Manager	\$ 266
Senior Project Representative	\$ 156
Senior Technical Specialist	\$ 200
Staff Engineer	\$ 178
Technical Specialist	\$ 199
Field Surveying (M&C)	
Classification	Hourly Rate
Project Surveyor	\$ 173
Senior Survey CAD Technician	\$ 129
Senior Surveyor/Project Manager	\$ 199
Survey CAD Technician	\$ 108
Survey Field Supervisor	\$ 119
Survey Technician	\$ 95
UAS/LiDAR Technician	\$ 122
Senior UAS/LiDAR Technician	\$ 160
One (1) Person Survey Crew Includes: survey equipment/instruments, vehicles, personnel and all supplies/fuel	\$ 160

Two (2) Person Survey Crew includes: survey equipment/instruments, vehicles, personnel and all supplies/fuel	\$ 204
Three (3) Person Survey Crew includes: survey equipment/instruments, vehicles, personnel and all supplies/fuel	\$ 255
Mobile LiDAR Data Collection includes: equipment/instruments, vehicles, operator and all supplies/fuel	\$ 5,000/day
UAS Field Crew includes UAS equipment, on-site visual observer, and all supplies/fuel	\$ 3,500/day
Subsurface Utility Engineering (M&C)	
Classification	Hourly Rate
Utility Engineering Analyst	\$ 115
Utility Engineering Manager	\$ 213
Utility Engineering Senior Project Manager	\$ 235
Utility Engineering Specialist	\$ 152
Utility Engineering Technician	\$ 86
Utility Engineering Designate Crew (2 Person) includes: equipment/instruments, vehicles, personnel and all supplies/fuel	\$ 204
Utility Engineering Vacuum Excavation Crew (3 Person) includes: equipment/instruments, vehicles, personnel and all supplies/fuel	\$ 305
Geographic Information System (GIS) (M&C)	
Classification	Hourly Rate
GIS Analyst	\$ 160
GIS Manager	\$ 236
GIS Senior Technician	\$ 130
GIS Specialist	\$ 154
GIS Technician	\$ 114
R&R Services (M&C)	
Classification	Hourly Rate
CCTV Inspection (Up to 18")	\$ 2.95/LF
CCTV Inspection (>18" to 48")	\$ 4.15/LF
Installation & Calibration of Flow Meters	\$ 1,825/EA
Installation & Calibration of Rainfall Gauges	\$ 500/EA
Maintenance of Flow Meters	\$ 1,150/EA/Mo.
Maintenance of Rainfall Gauges	\$ 500/EA/Mo.
Manhole Inspection	\$ 145/MH
Provide Temporary Flow Meters	\$ 610/EA/Mo.
Smoke Testing	\$ 0.54/LF

Billing rates represent the fully burdened hourly rates by employee classification including all labor, direct/indirect overhead, margins/profit, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel outside of the Tampa Bay Metropolitan Statistical Area will be invoiced in accordance with Florida Statutes.



Reference: 23-1042-RFP-CCNA - Pinellas Park Interceptor Collection System

Schedule of Rate Values	
Job Classification	Fully Loaded Hourly Rate
Administrative Assistant	\$87
CAD Tech	\$100
Senior CAD Tech/Designer	\$135
Senior Designer	\$150
Engineer Intern	\$145
Staff Engineer	\$175
Project Engineer	\$220
Senior Project Engineer	\$240
Project Manager	\$230
Senior Project Manager	\$255
Regional Manager	\$310
Principal	\$320
Project Administrator	\$95
Field Technician	\$110
Senior Field Tech	\$125
Technical Specialist	\$195

The above billing rates are fully loaded (burdened) rates shall remain fixed for the duration. The above rates include all labor, direct/indirect overhead, margins/profit, salary escalations, customary expenses such as copies, postage, etc., and travel within the Tampa Bay Metropolitan Statistical Area. Travel expenses outside of the Tampa Bay Metropolitan Statistical Area shall be reimbursed in accordance with Florida Statutes.

Primary Contact:

Mitch Chiavaroli

McKim & Creed

MChiavaroli@mckimcreed.com **Scope of Work & Basis of Understanding**

McKim & Creed has requested multi-sensor inspection services for a 42-inch gravity sewer within Pinellas County, located along Belcher Rd. This line is approximately 10,000 linear feet with a 600 linear foot portion of 24-inch triple barrel siphon. It is believed that the line was rehabilitated with Cured in Place Plastic Liner (CIPP) in ~2010. The goal for this inspection is to determine a baseline condition of the pipeline, as a proposed force main is to be installed nearby. The gravity sewer does have multiple access points (i.e. manholes) along its length, with a few significant curves and bends. At the upstream end, four (4) force main pipes terminate at the gravity sewer. This means the 42-inch line *will* have flow at the time of inspection as these cannot be taken out of service. Inspections are recommended to take place in the evening when there is a reduction in flow capacity.

RedZone intends to use their **Profiler** platform to collect the necessary multi-sensor inspection (MSI) data. This collects a CCTV video to be analyzed via NASSCO standards, sonar below the flow for measuring debris depths and volumes across the length of the pipe, and laser above the flow to measure internal diameters and wall loss. The Profiler unit is capable of extending long lengths and through multiple manholes, however, all data will be provided via manhole-to-manhole pipe segments.

A reconnaissance has not been performed on this line. Tag lines to pull the robotic floating unit upstream (against the flow) may be required to complete inspections, depending on access. Additionally, if the use of pumps or flow control is possible, this may be required for inspection.

\$	DESCRIPTION	EST. QTY	UNIT	UNIT COST	SUBTOTAL
	1. Mobilization of Crews and Specialized Equipment	1	EA	\$ 8,450.00	\$ 8,450.00
	2. Demobilization of Crews and Specialized Equipment	1	EA	\$ 8,450.00	\$ 8,450.00
	3. 42" Multi-sensor Inspection - Profiler	10,000	LF	\$ 9.00	\$ 90,000.00
	4. 24" Triple-Barrel Siphon – Profiler	600	LF	\$ 12.00	\$ 7,200.00
	5. Multi-Sensor Inspection Report (Laser, Sonar)	1	EA	\$ Included	\$ Included
				TOTAL	\$ 114,100.00

 **Pricing Notes / Exclusions and Terms**

- RedZone excludes bonding and prevailing rate.
- Jetter or tag line assistance may be required.
- Traffic Control (MOT) will be provided by others.
- Access Permits to be provided by others.

 **Deliverables**

Sample deliverables can be found at the following link and correspond based on robotic platform required for scope of work.

<https://redzone.box.com/s/x43jhcxbp0m6mbqx2l3i0ax19s8223ta>

 **Schedule**

Tentative Start Date: TBD. *Estimate:* Mid-End of April

Tentative Completion Date: No more than 7 days for field work, deliverable in 30 days

Work hours: 7am – 7pm, 7 days a week, excluding holidays and community events




PINELLAS PARK INTERCEPTOR COLLECTION SYSTEM (23-1042-RFP-CCNA)

PINELLAS COUNTY

THE VALERIN GROUP, INC. STANDARD SCHEDULE OF RATES

<u>Classifications</u>	<u>Hourly Billing Rate</u>
Community Outreach Manager	\$138.00
Community Outreach Specialist	\$135.00
Graphic Designer	\$122.00
Multimedia Specialist	\$127.00



 Valerie Ciudad-Real
 President

12/4/2023

 Date

Ms. Pamela Ulrich

Lead Procurement Analyst
Purchasing and Risk Management Division
Pinellas County Government
400 S. Ft. Harrison, Sixth Floor
Clearwater, FL 33756

RE: Pinellas Park Interceptor Collection System Contract No. 23-1042-RFP-CCNA
Schedule of Staff Rates

Dear Ms. Ulrich,

We appreciate this opportunity to provide our services to Pinellas County. Below is our current list of loaded rates to be used for the above referenced contract.

Classification	Loaded Rate
Designer	\$120.00
Senior Designer	\$155.00
Chief Designer	\$195.00
Senior Project Engineer	\$235.00
Senior Project Manager	\$265.00
Chief Engineer	\$298.00
Field Technician	\$110.00

If additional information is needed, please feel free to contact me at 813.544.2866.

Sincerely,



Luis Alfredo Cely
Manager

Mitchel Chiavaroli

From: Amit Kumar <amit@rvtcad.com>
Sent: Tuesday, April 30, 2024 2:41 AM
To: Mitchel Chiavaroli
Subject: Re: Point cloud to Revit modeling

Hi David,

Thanks, we have reviewed the images. As per data, we could make an overall rough estimation which may vary from ±\$1500 to ±\$2000 and could be delivered in 7 to 10days.

Please see below our understanding and detailed scope of work.

Understandings:

- » Needs to create the 3D model of plant area including exterior and interior modeling from the point cloud data.
- » We need to model the Architecture, Steel Structure, MEPF, Topo of the plant area.
- » Needs to model elements if any like Revit families, walls, doors, windows, parking, curbs, sideways, topo, floors, roofs, columns, beams, ceilings, stairs, railings, etc
- » MEPF(Hvac, Piping, conduits, Ducting, Valves, fitting, machines, etc) services will be included.
- » No need to model movable furniture, cabinets, switches, outlets etc.

PLEASE NOTE:

Currently, we did not receive any point cloud files and scope of work, the estimation is a rough estimation, and based on the above-mentioned scope and understanding, if we have any changes in the real-world it may vary accordingly.

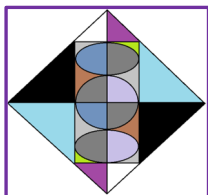
Please do not hesitate to ask if you have any further questions or concerns for me.

Kind Regards,

Amit

If require any further information or assistance, please do not hesitate to reach out to us.

Kind Regards,



HARBOR COORDINATION SOLUTIONS, INC.

Mitchel Chiavaroli
McKim & Creed
39303 Northdale Blvd,
Tampa, FL 33624

Re: City of Pinellas Park RFP-CCNA 23.1042 Interceptor Collection System

Dear Mr. Chiavaroli

I would like to congratulate you and we are excited to be part of the City's projects. Harbor Coordination Solutions Inc. will provide utility coordination services for the City of Pinellas Park interceptor collection system project. The following are the staff, positions and loaded rates.

Senior Utility Coordinator	\$169.00	Jeanna Dean
Assistant Utility Coordinator	\$74.00	Sarah Cole
Utility Coordinator	\$110.00	Heather Dean

If you have any questions, please do not hesitate to contact me at 813-781-5787 or Jdean@Harborcoordination.com

Respectfully,



Jeanna Dean
President

cc: File



**PINELLAS COUNTY
 GEOTECHNICAL ENGINEERING AND TESTING SERVICES**

JOB CLASSIFICATION	HOURLY RATES
Chief Engineer 1	220.00/Hr.
Chief Engineer 2	190.00/Hr.
Senior CADD Technician	85.00/Hr.
Secretary / Clerical	75.00/Hr.
Project Manager 1	150.00/Hr.
Field Crew Supervisor	85.00/Hr.
Field Technician	75.00/Hr.

GEOTECHNICAL FIELD TESTING

Mobilization and Demobilization of 3-Man Crew (readily accessible to truck-mounted drilling equipment)	\$450.00 LS
Crew Time (3-man crew and drilling equipment on water [minimum 8 hours per day]) 2.4.1 Portable Self-Propelled Barge and Work Boat <i>Note: Mobilization and Demobilization quoted based upon job requirements</i>	410.00/Hr. 1,075.00/Day
Standard Penetration Test Borings (ASTM D-1586, split-spoon sampling; Standard Truck-Mounted Drill Unit) 2.5.1 0-50 Feet i. Soil ii. Rock iii. Cemented Soil (N>50) 2.5.2 50-100 Feet i. Soil ii. Rock iii. Cemented Soil (N>50) 2.5.3 100-150 Feet i. Soil ii. Rock iii. Cemented Soil (N>50)	17.00/LF 19.00/LF 19.00/LF 20.00/LF 22.00/LF 22.00/LF 24.00/LF 28.00/LF 28.00/LF
Track-Mounted Drill Unit 2.6.1 0-50 Feet i. Soil ii. Rock iii. Cemented Soil (N>50) 2.6.2 50-100 Feet i. Soil ii. Rock iii. Cemented Soil (N>50)	\$ 20.00/LF 23.00/LF 23.00/LF 23.00/LF 27.00/LF 27.00/LF

GEOTECHNICAL FIELD SERVICES CONTINUED

Tripod or Limited Access Drill Unit Equipment (3-man crew and equipment [minimum 8 hours per day])	300.00/Hr.
Undisturbed Sampling in Conjunction with Boring (3" O.D. Shelby tube samples)	150.00 Ea.
Grouting of Boreholes per SWFWMD Regulations	6.00/LF
4" Temporary Casing (only if needed)	8.00/LF
Patch Borehole in Asphalt or Concrete	75.00 Ea.
Double-Ring Infiltration Test (local and depth ≤ 3 feet [ASTM D-3385]) 3.1.1 Depth greater than 3 feet to be negotiated based on depth requirements	\$ 575.00 Ea.
Hand Auger Boring	12.00/LF
Hand Cone Penetrometer	4.00/LF.

LABORATORY GEOTECHNICAL TESTING

Consolidation Test	\$ 450.00 Ea.
Laboratory Permeability on Sand (ASTM D-2434-74)	220.00 Ea.
Unconfined Compression Test	160.00 Ea.
Grainsize Analysis (ASTM D-422-92)	40.00 Ea.
Atterberg Limit (plastic and liquid [ASTM D-43-18-87])	77.00 Ea.

**LABORATORY GEOTECHNICAL TESTING
CONTINUED**

Organic Content (FM 1T-267)	40.00 Ea.
Specific Gravity of Soil (ASTM D-854-92)	40.00 Ea.
Hydrometer of Soil (ASTM D-422-92)	160.00 Ea.
Constant Head Permeability (ASTM D-2434-74)	\$ 210.00 Ea.
Permeability with Back Pressure Saturation (ASTM D-5084-90)	450.00 Ea.
Corrosivity Series (resistance, pH, SO ₄ , CL [FDOT method])	350.00 Ea.
Field Sampling of Materials	75.00/Hr.



PRICE LIST

Pricing effective until further notice

Corporate Office

4244 Mt. Pleasant St. NW

North Canton, OH 44720

Local Office

13900 US Highway 19N

Clearwater, Florida 33773

Bill To

McKim & Creed

551 North Cattlemen Road, Suite 106

Sarasota, Florida 34232

WHO TO CONTACT FOR JOB ESTIMATES

Laura Salmon | laura.salmon@awpsafety.com | (330) 604-4522

EFFECTIVE DATE

01-09-2024

WHO TO CONTACT FOR SCHEDULING

Customer Call Center | info@awpsafety.com | (800) 343-2650

Schedule Online awpsafety.com/schedule-now

Pricing effective until further notice

Basic Traffic Control Offerings and Typical Additions

Standard Flagging

PRODUCT	PRODUCT CODE	QUANTITY	RATE PER
Traffic Control Employee - Daily - 8 Hour Day	1M8D	2.0	Day
Standard Traffic Control Sign	STDSIGN	8.0	Day
Sign Stand	SSO	8.0	Day
Standard Traffic Cone	STC	30.0	Day
Vehicle Charge	VEH	1.0	Day
Port To Port	PORT	1.0	Each
See Service Terms and Conditions below - regarding cancellations, partial days, emergency callout, overtime, nights/weekends/Holidays, etc.		Standard Example Total:	\$1,149.80
Enhanced Flagging Package - Safety and Cost Optimization			
AFAD - Automated Flagger Assistance Device (8 Hour Day)	AFAD8	2.0	Day
AFAD's will be deployed as site specific conditions permit and in accordance with MUTCD Standards.		AFAD Package Total:	\$399.00
Single Lane Closure			
Arrow Board	ARWBRD	1.0	Day
Single Lane Closure will include the products of the standard flagging package with an additional arrow board to comply with MUTCD Standards.		Arrow Board Total:	\$75.80
Sidewalk Closure			
Standard Traffic Control Sign	STDSIGN	2.0	Day
Sign Stand	SSO	2.0	Day
ADA Wall	ADAWALL	4.0	Day
		Sidewalk Closure Total:	\$48.56

DISCLAIMER: Basic Traffic Control Offerings above are indicative, and may not reflect what is required for a job to comply with MUTCD requirements. In this case, AWP Safety has the right to charge for additional equipment or labor used to comply with regulations. For complex traffic control estimates/quotes/bids, (i.e. Line Crossings, Interstate Work, Detours, Rentals, Special Events) - please contact the AWP estimator listed above.

AWP Comprehensive Price List

PRODUCT	PRODUCT CODE	REG PRICE	RATE PER
<i>Barricades</i>			
Attenuator - TL2	ATTL2	\$353.73	Day
6' Water Filled Barrier	WFB6	\$10.11	Day
Airport Water Barrier/Barricade	APWBAR	Varies	Day
Attenuator - TL3	ATTL3	\$353.73	Day
Airport Barricade Light	APBL	Varies	Day
Type III Barricade Only	T3O	\$10.11	Day
Type III Barricade w/ 2 A Flashers	T32A	\$16.17	Day
Type I Barricade w/ A Flasher	T1A	\$8.09	Day
ADA Wall	ADAWALL	\$7.08	Day
Type II Barricade Only	T2O	\$5.06	Day
Pedestrian Fence	PEDFENCE	\$7.08	Day
Type II Barricade w/ A Flasher	T2A	\$8.09	Day
Type I Barricade Only	T1O	\$5.06	Day
<i>Channelizing</i>			
Vertical Panel w/ A Flasher	VPA	\$5.06	Day
36" Reflectorized Cone	TC36R	\$0.76	Day
Grabber/Delineator w/ Base	GC42R	\$1.27	Day
Traffic Drum w/ Base	TDO	\$2.02	Day
Traffic Drum w/ A Flasher	TDA	\$5.06	Day
Vertical Panel w/ Base	VPO	\$2.02	Day
Standard Traffic Cone	STC	\$0.76	Day
28" Reflectorized Cone	TC28R	\$0.76	Day
<i>Fleet</i>			
Vehicle Charge	VEH	\$75.80	Day
TMA Truck Only - Daily	TMADLY	\$656.93	Day
<i>Fuel</i>			
Mileage	MILE	Varies	Mile
Fuel Surcharge - Light Vehicle	FUELLGT	Varies	Day
Fuel Surcharge - Heavy Vehicle	FUELHVV	Varies	Day
<i>LEO</i>			
Law Enforcement Officer Procurement and Processing	LEOP	\$74.81	Each
Law Enforcement Officer (LEO)	LEO	Varies	Hour
<i>Labor</i>			
Traffic Control Employee - Daily - 8 Hour Day	1M8D	\$485.12	Day
Traffic Control Supervisor - Hourly	1TCS	\$75.80	Hour
Traffic Control Employee - Daily - 10 Hour Day	1M10D	\$606.40	Day
Traffic Control Supervisor - Overtime/Night	1TCSOT	\$113.70	Hour
TMA Truck Driver Labor - Daily - 8 Hour Day	TMAL8	\$565.97	Day
Traffic Control Employee - Prevailing Wage	1MPV	Varies	Hour
Traffic Control Supervisor - Daily - 8 Hour Day	1TCS8D	\$485.12	Day
TMA Truck Driver Labor - Daily - 10 Hour Day	TMAL10	\$707.47	Day
Traffic Control Supervisor - Daily - 10 Hour Day	1TCS10D	\$606.40	Day
Traffic Control Employee - Prevailing Wage Fringe	1MPVF	Varies	Hour
TMA Truck Driver Labor - Hourly	TMAHRLY	\$70.75	Hour
Traffic Control Employee - Hourly	1M	\$60.64	Hour
Traffic Control Employee - Overtime/Night	1MOT	\$90.96	Hour
<i>Misc.</i>			
Steel Plate	STEEL	\$14.96	Day
Sandbag	SNDBG	\$1.50	Day
Cold Patch	COLDP	\$4.99	Day
Rumble Strips (6-pack)	RS	\$303.20	Day
Safety Flares (36-pack)	FLARE-S	\$134.66	Each

Mobilization

Port To Port	PORT	Varies	Each
Pick up Traffic Control - After Hours	PICKUPAH	Varies	Hour
Set up Traffic Control	SETUPTRFC	Varies	Hour
Set up Traffic Control - After Hours	SETUPAH	Varies	Hour
Tear Down Traffic Control	TEARDW	Varies	Hour
Tear Down Traffic Control - After Hours	TEARDWAH	Varies	Hour
Deliver Traffic Control	DEL	Varies	Hour
Deliver Traffic Control - After Hours	DELAH	Varies	Hour
Pick up Traffic Control	PICKUP	Varies	Hour

Per Diem

Lodging - Per Person	LODGE	Varies	Day
Per Diem - Per Person	PD	Varies	Day

Permit

Permit	PT	Varies	Each
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Signs

Standard Traffic Control Sign	STDSIGN	\$5.06	Day
Flag w/ Dowel	FLAGDWL	\$0.51	Day
Flagger Paddle	PADRENT	\$2.02	Day
Temporary No Parking Sign	TNP	\$5.06	Day
Custom Sign Small (<10 Sq. Ft.)	CS10	\$5.06	Day
Custom Sign Medium (10 to 16 Sq. Ft.)	CS16	\$5.06	Day
Custom Sign Large (>16 Sq. Ft.)	CS17	\$5.06	Day

Stands

Sign Stand	SSO	\$5.06	Day
Large Sign Stand	LSSO	\$5.06	Day
Buster/Spring Sign Stand Only	SPG	\$5.06	Day
Buster/Spring Sign Stand w/A Flasher	SPGA	\$8.09	Day
Buster/Spring Sign Stand w/B Flasher	SPGB	\$11.12	Day
Embedded Sign Post	UCH	\$5.06	Day

TCP

Traffic Control Plan (TCP)	TCP	Varies	Page
Traffic Control Plan (TCP) - Engineer Stamped	TCPSTMP	Varies	Page

Trailer Assets

AFAD - Automated Flagger Assistance Device (10 Hour Day)	AFAD10	\$249.38	Day
AFAD - Automated Flagger Assistance Device (8 Hour Day)	AFAD8	\$199.50	Day
Arrow Board	ARWBRD	\$75.80	Day
Message Board	MSGBRD	\$176.87	Day
Light Tower	LT	\$252.67	Day
Flagger Station Light	FSL	\$252.67	Day
Radar Speed Trailer	RADAR	\$75.80	Day
Portable Traffic Signal (PTS)	PTS	\$126.33	Day
Variable Speed Trailer	VST	\$75.80	Day

Warning Lights

Type A Flasher	AFL	\$3.03	Day
Type B Hi-Intensity Flasher	BFL	\$5.06	Day

EXHIBIT C – INSURANCE REQUIREMENTS

SECTION C – INSURANCE REQUIREMENTS

1. LIMITATIONS ON LIABILITY

By submitting a Proposal, the Vendor acknowledges and agrees that the services will be provided without any limitation on the Vendor's liability. The County objects to and shall not be bound by any term or provision that purports to limit the Vendor's liability to any specified amount in the performance of the services. The Vendor shall state any exceptions to this provision in its response, including specifying the proposed limits of liability in the stated exception to be included in the Services Agreement. The Vendor is deemed to have accepted and agreed to provide the services without any limitation on the Vendor's liability that the Vendor does not take exception to in its response. Notwithstanding any exceptions by the Vendor, the County reserves the right to declare its prohibition on any limitation on the Vendor's liability as non-negotiable, to disqualify any Proposal that includes exceptions to this prohibition on any limitation on the Vendor's liability, and to proceed with another responsive, responsible proposal, as determined by the County in its sole discretion.

2. INDEMNIFICATION

Vendor agrees to indemnify, pay the cost of defense, including attorney's fees, and hold harmless the County, its officers, employees and agents from all damages, suits, actions or claims, including reasonable attorney's fees incurred by the County, of any character brought on account of any injuries or damages received or sustained by any person, persons, or property, or in any way relating to or arising from the Agreement; or on account of any act or omission, neglect or misconduct of Contractor; or by, or on account of, any claim or amounts recovered under the Workers' Compensation Law; or of any other laws, regulations, ordinance, order or decree; or arising from or by reason of any actual or claimed trademark, patent or copyright infringement or litigation based thereon; or for any violation of requirements of the Americans with Disabilities Act of 1990, as may be amended, and all rules and regulations issued pursuant thereto (collectively the "ADA") except when such injury, damage, or violation was caused by the sole negligence of the County.

3. INSURANCE:

The Vendor must provide a certificate of insurance and endorsement in accordance with the insurance requirements listed below, prior to recommendation for award.

The Vendor shall obtain and maintain and require any subcontractor to obtain and maintain, at all times during its performance of the Agreement, insurance of the types and in the amounts set forth. For projects with a Completed Operations exposure, Vendor shall maintain coverage and provide evidence of insurance for two (2) years beyond final acceptance. All insurance policies shall be from responsible companies duly authorized to do business in the State of Florida and have an AM Best rating of A- VIII or better.

A. Submittals should include, the Vendor's current Certificate(s) of Insurance. If Vendor does not currently meet insurance requirements, Vendor shall also include verification from their broker or agent that any required insurance not provided at that time of submittal will be in place prior to the award of contract.

Upon selection of Vendor for award, the selected Vendor shall email certificate that is compliant with the insurance requirements. If the certificate received is compliant, no further action may be necessary. The Certificate(s) of Insurance shall be signed by authorized representatives of the insurance companies shown on the Certificate(s). **The Certificate holder section shall indicate Pinellas County, a Subdivision of the State of Florida, 400 S Fort Harrison Ave, Clearwater, FL 33756. Pinellas County shall be named as an Additional Insured for General Liability. A Waiver of Subrogation for Workers Compensation shall be provided if Workers Compensation coverage is a requirement.**

B. Approval by the County of any Certificate(s) of Insurance does not constitute verification by the County that the insurance requirements have been satisfied or that the insurance policy shown on the Certificate(s) of Insurance is in compliance with the requirements of the Agreement. The County reserves the right to require a certified copy of the entire insurance policy, including endorsement(s), at any time during the RFP and/or contract period.

C. If any insurance provided pursuant to the Agreement expires or cancels prior to the completion of the work you will be notified by CTrax, the authorized Vendor of Pinellas County. Upon notification, renewal certificate(s) of Insurance and endorsement(s) should be furnished to Pinellas County Risk Management at InsuranceCerts@pinellascounty.org and to CTrax c/o JDi Data at PinellasSupport@jdidata.com by the Vendor or their agent prior to the expiration date.

EXHIBIT C – INSURANCE REQUIREMENTS

- 1) The Vendor shall also notify the County within twenty-four (72) hours after receipt, of any notices of expiration, cancellation, nonrenewal or adverse material change in coverage received by said Vendor from its insurer. Notice shall be given by email to Pinellas County Risk Management at InsuranceCerts@pinellascounty.org. Nothing contained herein shall absolve Vendor of this requirement to provide notice.
 - 2) Should the Vendor, at any time, not maintain the insurance coverages required herein, the County may terminate the Agreement.
- D. If subcontracting is allowed under this RFP, the Primary Vendor shall obtain and maintain, at all times during its performance of the Agreement, insurance of the types and in the amounts set forth; and require any Subcontractors to obtain and maintain, at all times during its performance of the Agreement, insurance limits as it may apply to the portion of the Work performed by the Subcontractor; but in no event will the insurance limits be less than \$500,000 for Workers' Compensation/Employers' Liability, and \$1,000,000 for General Liability and Auto Liability if required below.
- All subcontracts between the Vendor and its Subcontractors shall be in writing and are subject to the County's prior written approval. Further, all subcontracts shall
- 1) Require each Subcontractor to be bound to the Vendor to the same extent the Vendor is bound to the County by the terms of the Contract Documents, as those terms may apply to the portion of the Work to be performed by the Subcontractor;
 - 2) Provide for the assignment of the subcontracts from the Vendor to the County at the election of Owner upon termination of the Contract;
 - 3) Provide that County will be an additional indemnified party of the subcontract;
 - 4) Provide that the County will be an additional insured on all insurance policies required to be provided by the Subcontractor except workers compensation and professional liability;
 - 5) Provide a waiver of subrogation in favor of the County and other insurance terms and/or conditions as outlined below;
 - 6) Assign all warranties directly to the County; and
 - 7) Identify the County as an intended third-party beneficiary of the subcontract. The Vendor shall make available to each proposed Subcontractor, prior to the execution of the subcontract, copies of the Contract Documents to which the Subcontractor will be bound by this Section C and identify to the Subcontractor any terms and conditions of the proposed subcontract which may be at variance with the Contract Documents.
- E. Each insurance policy and/or certificate shall include the following terms and/or conditions:
- 1) The Named Insured on the Certificate of Insurance and insurance policy must match the entity's name that responded to the solicitation and/or is signing the agreement with the County.
 - 2) Companies issuing the insurance policy, or policies, shall have no recourse against County for payment of premiums or assessments for any deductibles which all are at the sole responsibility and risk of Vendor.
 - 3) The term "County" or "Pinellas County" shall include all Authorities, Boards, Bureaus, Commissions, Divisions, Departments and Constitutional offices of County and individual members, employees thereof in their official capacities, and/or while acting on behalf of Pinellas County.
 - 4) All policies shall be written on a primary, non-contributory basis.

EXHIBIT C – INSURANCE REQUIREMENTS

The minimum insurance requirements and limits for this Agreement, which shall remain in effect throughout its duration and for two (2) years beyond final acceptance for projects with a Completed Operations exposure, are as follows:

- 1) **Workers’ Compensation Insurance** Worker’s Compensation Insurance is required if required pursuant to Florida law. If, pursuant to Florida law, Worker’s Compensation Insurance is required, employer’s liability, also known as Worker’s Compensation Part B, is also required in the amounts set forth herein.

Limits

Employers’ Liability Limits	Florida Statutory
Per Employee	\$ 500,000
Per Employee Disease	\$ 500,000
Policy Limit Disease	\$ 500,000

If Vendor/Contractor is not required by Florida law, to carry Workers Compensation Insurance in order to perform the requirements of this Agreement, County Waiver Form for workers compensation must be executed, submitted, and accepted by Risk Management. Failure to obtain required Worker’s Compensation Insurance without submitting and receiving a waiver from Risk Management constitutes a material breach of this Agreement.

- 2) **Commercial General Liability Insurance** including, but not limited to, Independent Vendor, Contractual Liability Premises/Operations, Products/Completed Operations, and Personal Injury

Limits

Combined Single Limit Per Occurrence	\$ 1,000,000
Products/Completed Operations Aggregate	\$ 2,000,000
Personal Injury and Advertising Injury	\$ 1,000,000
General Aggregate	\$ 2,000,000

- 3) **Pollution Legal/Environmental Legal Liability Insurance** for pollution losses arising from all services performed to comply with this contract. Coverage shall apply to sudden and gradual pollution conditions including the discharge, dispersal, release or escape of smoke, vapors, soot, fumes, acids, alkalis, toxic chemicals, liquids or gases, waste materials or other irritants, contaminants or pollutants into or upon land, the atmosphere or any watercourse or body of water, which results in Bodily Injury or Property Damage. If policy is written on a Claims Made form, a retroactive date is required, and coverage must be maintained for 3 years after completion of contract or “tail coverage must be purchased. Coverage should include and be for the at least the minimum limits listed below:

- a. Bodily injury, sickness, disease, mental anguish or shock sustained by any person, including death; property damage including physical injury to or destruction of tangible property including the resulting loss of use thereof, cleanup costs, and the loss of use of tangible property that has not been physically injured or destroyed;
- b. Defense including costs, charges and expenses incurred in the investigation, adjustment or defense of claims for such compensation damages.
- c. Cost of Cleanup/Remediation.

Limits

Per Claim or Occurrence	\$ 1,000,000
General Aggregate	\$ 1,000,000

For acceptance of Pollution Legal/Environmental Legal Liability coverage included within another policy coverage required herein, a statement notifying the certificate holder must be included on the certificate of insurance and the total amount of said coverage per occurrence must be greater than or equal to the amount of Pollution Legal/Environmental Legal Liability and other coverage combined.

EXHIBIT C – INSURANCE REQUIRMENTS

4) **Professional Liability (Errors and Omissions) Insurance** with at least minimum limits as follows. If “claims made” coverage is provided, “tail coverage” extending three (3) years beyond completion and acceptance of the project with proof of “tail coverage” to be submitted with the invoice for final payment. In lieu of “tail coverage”, Proposer may submit annually to the County, for a three (3) year period, a current certificate of insurance providing “claims made” insurance with prior acts coverage in force with a retroactive date no later than commencement date of this contract.

Limits

Each Occurrence or Claim	\$ 5,000,000
General Aggregate	\$ 5,000,000

For acceptance of Professional Liability coverage included within another policy required herein, a statement notifying the certificate holder must be included on the certificate of insurance and the total amount of said coverage per occurrence must be greater than or equal to the amount of Professional Liability and other coverage combined.

5) **Property Insurance** Vendor will be responsible for all damage to its own property, equipment and/or materials.

EXHIBIT D - Contract Provisions for Contracts Under Federal Awards

Contract # 23-1042-RFP-CCNA

This contract is either fully or partially funded with federal funds from the Environmental Protection Agency (EPA) Community Project Funding (CPF) program. In addition to other terms and conditions required by Pinellas County and the applicable federal agency, all contracts awarded to the qualified bidder are subject to the following provisions, as applicable to the services provided.

Equal Employment Opportunity. Except as otherwise provided under [41 CFR Part 60](#), all contracts that meet the definition of “federally assisted construction contract” in [41 CFR Part 60–1.3](#) must include the equal opportunity clause provided under [41 CFR 60–1.4\(b\)](#), in accordance with Executive Order 11246, “Equal Employment Opportunity” ([30 FR 12319, 12935, 3 CFR Part, 1964](#)–1965 Comp., p. 339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at [41 CFR part 60](#), “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”

If this contract meets the definition of a “federally assisted construction contract”, during the performance of this contract, the Contractor agrees as follows

- (1) The CONTRACTOR will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The CONTRACTOR will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The CONTRACTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The CONTRACTOR will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) The CONTRACTOR will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The CONTRACTOR will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's

commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The CONTRACTOR will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The CONTRACTOR will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the CONTRACTOR's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The CONTRACTOR will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor.

Davis-Bacon Act as amended (40 U.S.C. 3141-3148): When required by federal program legislation, for all prime construction contracts awarded in excess of \$2,000, Contractors are required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractors must be required to pay wages not less than once a week. If the applicable grant award contains Davis-Bacon provisions, the County will place a copy of the current prevailing wage determination issued by the Department of Labor in the solicitation document. The decision to award a contract shall be conditioned upon the acceptance of the wage determination [Appendix II to 2 CFR Part 200].

Copeland Anti Kick Back Act: If Davis-Bacon is applicable, CONTRACTOR shall also comply with all the requirements of 29 CFR Part 3 which are incorporated by reference to this contract. Contractors are prohibited from inducing by any means any person employed in the construction, completion or repair of public work to give up any part of the compensation to which he or she is otherwise entitled [Appendix II to 2 CFR Part 200].

Contract Work Hours and Safety Standards Act ([40 U.S.C. 3701–3708](#)). Where applicable, all contracts awarded in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with [40 U.S.C. 3702](#) and [3704](#), as supplemented by Department of Labor regulations ([29 CFR Part 5](#)). Under [40 U.S.C. 3702](#) of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of [40 U.S.C. 3704](#) are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are

unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Clean Air Act ([42 U.S.C. 7401–7671q.](#)) and the Federal Water Pollution Control Act ([33 U.S.C. 1251–1387](#))- The CONTRACTOR agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401–7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251–1387). Violations must be reported to the federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA) [Appendix II to 2 CFR

Debarment and Suspension (Executive Orders 12549 and 12689) - A contract award (see [2 CFR 180.220](#)) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at [2 CFR 180](#) that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Byrd Anti-Lobbying Amendment ([31 U.S.C. 1352](#))—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by [31 U.S.C. 1352](#). Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

Conflict of Interest [2 CFR §200.112]: The CONTRACTOR must disclose in writing any potential conflict of interest to the Federal awarding agency or COUNTY in accordance with applicable Federal awarding agency policy.

Mandatory Disclosures [2 CFR §200.113]: The CONTRACTOR must disclose in writing all violations of federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the federal award. Failure to make required disclosures can result in any of the remedies described in 2 CFR §200.339 - Remedies for noncompliance, including suspension or debarment.

Certifications and Representations. [2 CFR § 200.209]: Unless prohibited by the U.S. Constitution, Federal statutes or regulations, CONTRACTOR may be required to submit certifications and representations required by this agreement, Federal statutes, or regulations on an annual basis. Submission may be required more frequently if the CONTRACTOR fails to meet a requirement of these provisions for contracts under federal awards.

Protected Personally Identifiable Information (Protected PII) [CFR §200.303(e)]: The CONTRACTOR must take reasonable measures to safeguard protected personally identifiable information and other information the federal awarding agency or COUNTY designates as sensitive or the County considers sensitive consistent with other applicable federal, state, and local laws regarding privacy and obligations of confidentiality. Per

2 CFR § 200.82, Protected PII means an individual's first name or first initial and last name in combination with any one or more of types of information, including, but not limited to, social security number, passport number, credit card numbers, clearances, bank numbers, biometrics, date and place of birth, mother's maiden name, criminal, medical and financial records, educational transcripts. This does not include PII that is required by law to be disclosed.

Prohibition on utilization of time and material type contracts [2 CFR §200.318 (j) (1)]: The COUNTY will not award contracts based on a time and material basis if the contract contains federal funding.

Contracting with Small and Minority Businesses, Women's Business Enterprises, and Labor Surplus Area Firms [2 CFR § 200.321]: If using subcontractors, the CONTRACTOR must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible. Affirmative steps must include:

- (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
- (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
- (6) Affirmative Action Requirements per 41 CFR 60-4.1 Goals for Women and Minorities in Construction (for contracts in excess of \$10,000): Goals and timetables for minority and female utilization may be set which shall be based on appropriate workforce, demographic or other relevant data and which shall cover construction projects or construction contracts performed in specific geographical areas. The goals, which shall be applicable to each construction trade in a covered Contractor's or subcontractor's entire workforce which is working in the area covered by the goals and timetables, shall be published as notices in the Federal Register, and shall be inserted by the contracting officers and applicants, as applicable, in the Notice required by 41 CFR 60-4.2. Covered construction Contractors performing construction work in geographical areas where they do not have a federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed.

Information regarding certified M/WBE firms can be obtained from:

- Florida Department of Management Services (Office of Supplier Diversity);
- Florida Department of Transportation;
- Minority Business Development Center in most large cities; and
- Local Government M/DBE programs in many large counties and cities.

Domestic preferences for procurements. [2 CFR § 200.322]

(a) As appropriate and to the extent consistent with law, the non-Federal entity should, to the greatest extent practicable under a Federal award, provide a preference for the purchase,

acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this section must be included in all subawards including all contracts and purchase orders for work or products under this award.

(b) For purposes of this section:

(1) "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

(2) "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

Procurement of Recovered Materials [2 CFR §200.323]: CONTRACTOR must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

Prohibition on utilization of cost plus a percentage of cost contracts [2 CFR §200.324 (d)]: The COUNTY will not award contracts containing federal funding on a cost plus percentage of cost basis.

Retention of Records [2 CFR 200.334]: Financial records, supporting documents, statistical records, and all other records pertinent to a Federal award must be retained for a period of three years from the date of submission of the final expenditure report or invoice. Record retention may be required to be longer if any of the provisions of 2 CFR 200.334(a)-(f) apply.

Access to Records [2 CFR 200 § 200.337]: The County, Pass-through agency or Federal awarding agency have the right of timely and unrestricted access to any documents, papers or other records, including electronic records, of the CONTRACTOR which are pertinent to the Federal award in order to make audits, investigations, examinations, excerpts, transcripts, and copies of such documents. This right also includes timely and reasonable access to the CONTRACTOR'S personnel for the purpose of interview and discussion related to such documents. This right of access shall continue as long as records are required to be retained.

Remedies for noncompliance. [2 CFR § 200.339]

If CONTRACTOR fails to comply with the U.S. Constitution, Federal statutes, regulations or the terms and conditions of a Federal award, the Federal awarding agency or COUNTY may impose additional conditions, as described in 2 CFR § 200.208. If the Federal awarding agency or COUNTY determines that noncompliance cannot be remedied by imposing additional conditions, the Federal awarding agency or COUNTY may take one or more of the following actions, as appropriate in the circumstances:

(a) Temporarily withhold cash payments pending correction of the deficiency by the

CONTRACTOR or more severe enforcement action by the Federal awarding agency or COUNTY.

(b) Disallow (that is, deny both use of funds and any applicable matching credit for) all or part of the cost of the activity or action not in compliance.

(c) Wholly or partly suspend or terminate the Agreement.

(d) Initiate suspension or debarment proceedings as authorized under 2 CFR part 180 and Federal awarding agency regulations (or in the case of the COUNTY, recommend such a proceeding be initiated by a Federal awarding agency).

(e) Take other remedies that may be legally available.