

APPENDIX - A

DESCRIPTION OF WORK

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REPAIR STORMWATER DRAINAGE PIPES NEAR FLIGHTLINE ROAD

TYNDALL AFB FLORIDA

FOR PROJECT XLWU 22-8107

Contents

<i>ORPHAN ZONE 3 – STORM DRAIN EVALUATION & REPAIR</i>		<i>Error! Bookmark not defined.</i>
1.0	SCOPE	3
1.1	PURPOSE	3
1.2	GENERAL:	4
2.0	SUMMARY OF WORK	5
2.1	TASK 1.0 - CLEAN EXISTING STORM SYSTEM PIPE, MANHOLES AND COLLECTORS	5
2.2	TASK 2.0 - EVALUATION & REPORT OF EXISTING CONDITIONS – PROVIDE REPAIR RECOMMENDATIONS ...	5
2.3	TASK 3.0 – REPAIR JOINTS/CRACKS PER APPROVED CONTRACTOR PLAN AND MATERIALS	5
2.4	TASK 4 – FINAL REPORT – AS-BUILT REPORT & SPOILS LOG	6
3.0	POINTS OF CONTACT (POCS)	7
3.1	POCS WILL BE COORDINATED THROUGH THE CO.	7
3.2	CONTRACTING OFFICER AUTHORITY:	7
3.3	PROJECT MANAGER (PM):	7
3.4	USER CONTACT	7
3.5	BUILDING CONTACT	7

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1.0 SCOPE

1.1 Purpose

- A. The purpose of the Tyndall Air Force Base (TAFB) project XLWU 22-8107, ORPHAN ZONE 3- STORM DRAIN EVALUATION & REPAIR, is to clean, evaluate for repair and repair approximately 3,400 LF of 48" degraded Reinforced Concrete Pipe (RCP) and approximately 800 LF of 30" degraded RCP. Cleaning/evaluation will also include associated storm manholes and collectors and tributary entry points of miscellaneous lines to the above manholes and collectors. It is suspected that pipe joints and possible fractures are allowing infiltration of ground waters, those joints will be filled as part of this work package. Past drainage studies note several areas where sinkholes and piping are evident, some of the sinkholes may have increased in size and/or may have been temporarily filled with soils as a interim safety measure. In event that collapsed sections are observed, those sections may be replaced under separate contract. It is unknown if any asbestos containing material (ACM) or if clay pipe was incorporated into this system. Mortar type and quantity is unknown but it is suspected that loose and missing mortar at the joints are a contributing factor to infiltration and exfiltration, which this work is meant to address. . Previous repair status is also unknown. Contractor shall be responsible for verification of all existing conditions and utilities and access protocols prior to execution of the work. Some of the work may require access to the WSEP ramp and field between the WSEP Ramp and Taxiway Papa. Contractor shall perform the services herein and as described in this Statement of Work (SOW).
- B. This SOW sets forth the requirements for a Sustainment, Restoration & Modernization (SR&M) Acquisition contract for site specific survey efforts for analysis of select pavements located on Tyndall AFB, Florida. The Contractor shall adhere to the following guidance during construction phase(s) of this project: Unified Facilities Criteria (UFC) 33-01-30.16 TV INSPECTION OF SEWER LINES; Unified Facilities Criteria (UFC) 33-40-00 STORMWATER UTILITIES; Uniform Building Code (UBC); those sections of the Southern Standard Building Codes not incorporated in the UBC/International Building Code (IBC) for our respective area; Air Force Standards; Department of Defense (DOD) Directives; Florida State Statutes; Florida Department of Transportation (FDOT); the Tyndall AFB Facility Excellence Plan (Base Regulations); 325th Fighter Wing Bird Aircraft Strike Hazard (BASH) Plan 910; National Electric Code (NEC); Occupational Safety and Health Administration (OSHA) Requirements; Department of Environmental Protection (DEP) Regulations; Environmental Protection Agency (EPA) Regulations; and any related Americans with Disabilities Act (ADA) Compliance Requirements. If there is a conflict between these codes, regulations and specifications the most stringent requirements shall apply at all times. Documents listed by and/or provided by the

Government are for reference only and do not relieve the Contractor from adherence with applicable codes not specifically addressed.

- C. The Contractor shall be responsible for all professional services, permits, equipment, labor, tools, materials, and ancillary items necessary to complete the tasks defined by the SOW. The performed tasks shall be based on the project description, other data furnished in this SOW, and information covered during a pre-performance/criteria review meeting to be held prior to Contractor mobilization.
- D. This project has an estimated period of performance from Notification to Proceed (NTP) through completion and submittal of report to the Government of 90 calendar days.

1.2 General:

- A. Field Changes: The Contractor and the Government may agree to perform a no cost field change. Field changes are made when the change appears to be mutually beneficial to all parties and would not require changing the negotiated items. All field changes must be approved by the CO prior to execution. Only the CO may authorize field changes or deviations from the SOW.
- B. Ancillary Task: The tasks in this scope of work do not describe all the ancillary tasks required to complete the task. The contractor is required to complete all ancillary tasks to meet codes and standards that results in a complete report. Any task omissions by the contractor in their proposal will be the responsibility of the contractor.
- C. Quantities and Measurements: All quantities and measurements are approximations or summaries and the contractor is responsible for verification during the proposal development. For example, measurements for drywall and painting is a square footage for the room versus the actual wall square footage.

2.0 Summary of Work

The Project intent is to clean, inspect, evaluate, document and repair the Orphan Storm Drainage system as outlined in the enclosed area drawings and written objectives. The contractor will coordinate and locate existing utilities which may be in conflict before execution of the work.

2.1 Task 1.0 - Clean Existing Storm System Pipe, Manholes and Collectors

- A. Jet and Vac Truck collection of sand, silt, loose mortar, and any other debris within storm conveyance which would interfere with Task 2 – Video & Still Photo Inspection.
- B. Dispose of all material collected at a previously designated dump area – no soils, spoil or debris shall leave Tyndall AFB property and an accurate written account of material shall be provided.

2.2 Task 2.0 - Evaluation & Report of Existing Conditions – Provide Repair Recommendations

- A. Provide an initial video and still image Inspection & Evaluation Report in NASSCO or other format acceptable to the CO, submit 3 copies of that report to the CO and Project Manager for review and file.
- B. The contractor will provide professional evaluation and repair recommendations and pricing to repair or replace those areas where visible infiltration, exfiltration and above ground sinkholes and/or piping are evident.
- C. Invert and water flow shall be shown in video and still images where practical. Closeup still photos of any loose mortar, cracks and leakage points will be numbered or otherwise cataloged for report communication and reference – images need to show scale for reference.

2.3 Task 3.0 – Repair Joints/Cracks per approved contractor plan and materials

- A. Provide repair plan 15 days in advance of the work for acceptance by CO, this repair plan shall include repair criteria, equipment, material cutsheets and methodology to assure quality repair and finished product.
- B. Repair all cracks, seals and joints which contribute to infiltration and exfiltration of waters and all work is subject to CO acceptance.

2.4 Task 4 – FINAL REPORT – As-built Report & Spoils Log

- A. Provide a Final Inspection & Evaluation Report in NASSCO or other format acceptable to the CO which include all pipe, structures and repairs for acceptance prior to final payment. Provide logs of material quantities removed and its final disposition.

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3.0 POINTS OF CONTACT (POCs)

3.1 POCs will be coordinated through the CO.

3.2 Contracting Officer Authority:

- A. CO, the term used herein, does not include any representative not acting within the scope of his/her authority. Notwithstanding any of the provisions of this contract, the CO shall be the only individual authorized to in any way amend or modify the terms of this contract.

3.3 Project Manager (PM):

- A. The PM: Bryan Callahan O: (850) 284-2773 C: (530) 718-0721

3.4 User Contact

- A. TBD,

3.5 Building Contact

- A. Not Applicable

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END OF DOCUMENT