

STATEMENT OF WORK (SOW)

Project Title: **Mole Pier Boat Wash Facility**

Activity Location: **Mole Pier Gate, Naval Air Station, Key West, Florida** SOW prepared by: Michael Abernathy, Planner, 09 May 18

1. GENERAL DESCRIPTION

The project will provide a new boat wash facility at the Mole Pier to provide Port Operations with a code compliant wash facility. The facility will a single bay steel framed canopy with a vinyl covering. The facility will have a floor drain that gravity flows to a retention pond via oil water separator. Height of the facility will be approximately 20 feet to accommodate vessels on trailers. The scope of this project will also include underground electric, and water.

All design and construction shall be in accordance with the applicable criteria. Criteria listed below is not all inclusive. Criteria is available at www.wbdg.org.

UFC 1-200-01 General Building Requirements
UFC 1-300-02 Unified Facilities Guide Specifications (UFGS) Format Standard
UFC 1-300-07A Design Build Technical Requirements
UFC 3-190-06 Protective Coatings and Paints
UFC 3-201-01 Civil Engineering
UFC 3-21010 Low Impact Development
UFC 3-230-01 Water, Distribution, and Transmission
UFC 3-250-01FA Pavement Design for Roads, Streets, Walks and Open Storage Areas
UFC 3-301-01 Structural Engineering
UFC 3-400-02 Mechanical Engineering
UFC 3-420-01 Plumbing Systems
UFC 3-501-01 Electrical Engineering
UFC 3-550-01 Exterior Electrical Power Distribution
UFC 3-580-10 Navy and Marine Corps Intranet (NMCI) Standard Construction Practices
UFC 3-600-01 Fire Protection Engineering for Facilities
UFC 4-010-01 DoD Minimum Antiterrorism Standards for Buildings
UFC 4-010-02 DoD Minimum Antiterrorism Standoff Distances for Buildings

2. SPECIFIC DESCRIPTION:

A. Boat Wash Facility:

- 1) Exterior finishes shall be consistent with current, metal frame and vinyl canopy.
- 2) Facility shall also include a 7' x 8' wide concrete pad on one side with three shower heads and 8 personal wash stations for equipment cleaning.
- 3) The retention pond shall be adjacent to the proposed wash pad.

- 4) Waterproof sealant shall be applied to interior and exteriors CMU.
- 5) Provide connections to potable water system and sanitary sewer as required for system operation.
- 6) Install lighting at the corners of the area to provide illuminate the concrete pad.

B. Pavement:

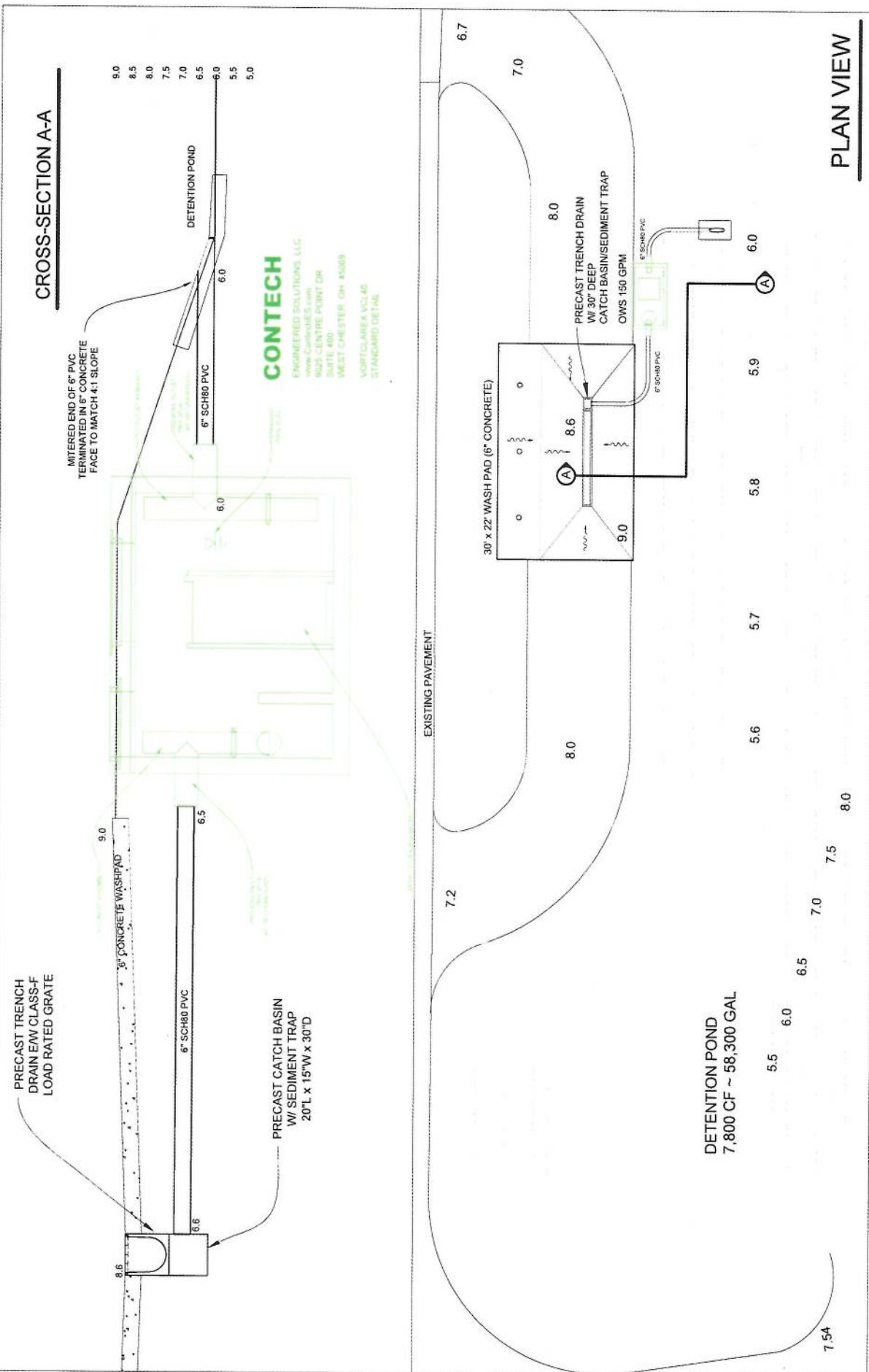
- 1) Provide unpaved entry and exit to facility per UFC criteria.
- 2) Scope shall include improvements to drainage system to provide positive drainage.

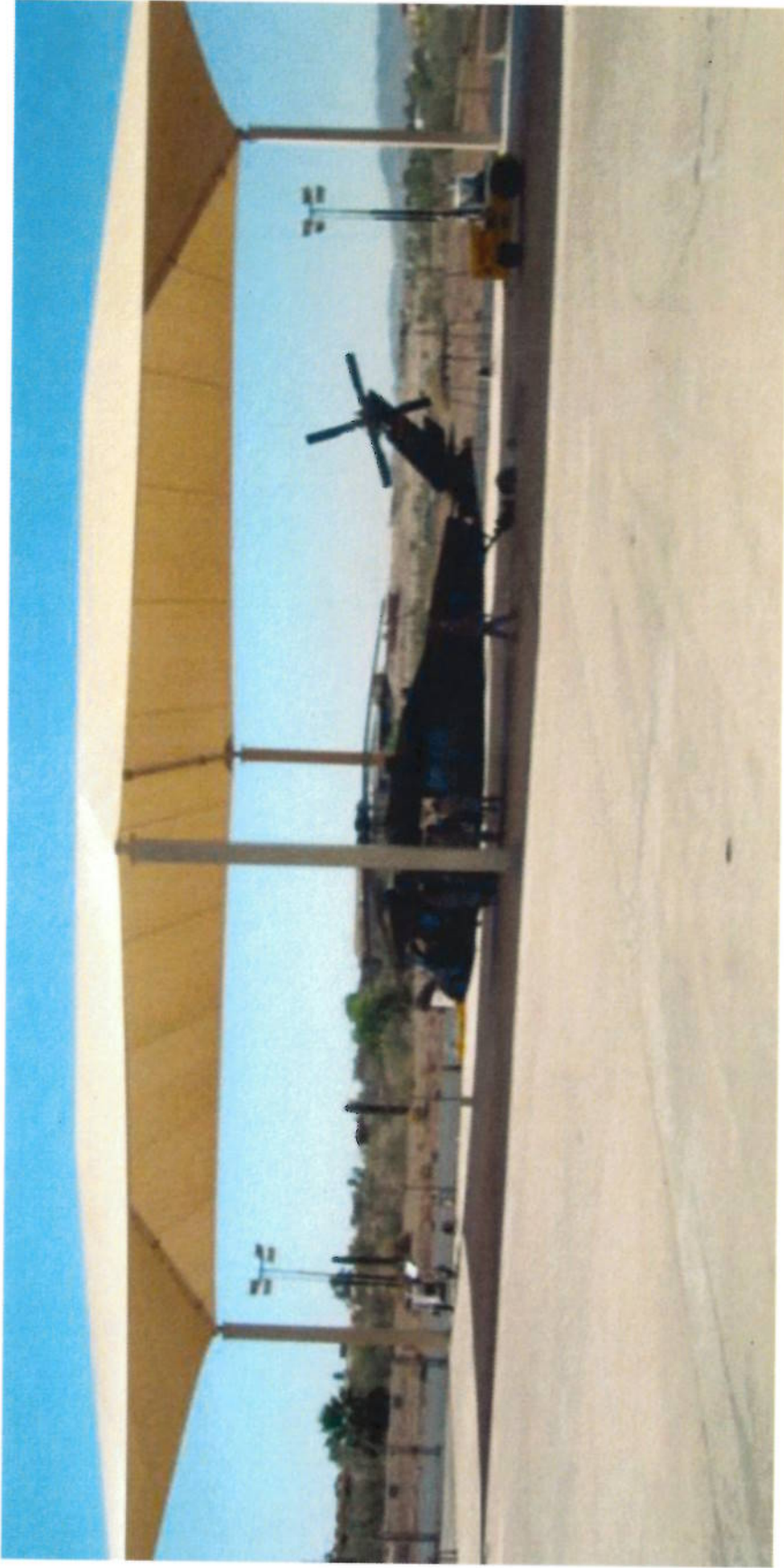
- End SOW -

Scope of Work | Truman Annex









TYPICAL HEAVY DUTY CANOPY

Moje Pier Boat Wash (Rev 1)

Date of Estimate : 13 APR 2018

Location : Key West, Florida

Based Upon : Site Work (Civil) based on estimate for NF15-0457, Construct Boat Wash Facility, Bayside by Alex Ibarra (619) 553-6088, FKA Rate Sheet, Costwork 2015, and RSMEANS 2012.

Facility : Truman Annex

		Quantity	Unit	Material	Labor	Cost	Total Cost
Civil							
	Site Preparation: Mobilization and Demolition	5000	SF			\$ 7.50	\$ 37,500.00
	Site Preparation : Trenching, Site improvement	5000	SF			\$ 9.50	\$ 47,500.00
Contech	Vortclarex o/w separator	1	LS			\$ 45,000.00	\$ 45,000.00
							\$ 130,000.00
Structural							
171970 0010	Boatwash Awning (170 mph hurricane speed)	1306	SF			\$ 78.75	\$ 102,847.50
							\$ 102,847.50
ELECTRICAL							
171970 2900	Warehouses and Storage Building - Electrical	1306	SF			\$7.25	\$ 9,468.50
G4020 210 0360	Light Pole Aluminum (Installed)	2	EA	\$ 1,980.00	\$ 1,190.00	\$ 3,170.00	\$ 6,340.00
	Single Bracket arm	2	EA	\$ 268.00	\$ 80.00	\$ 348.00	\$ 696.00
	Excavation	4.736	CY		\$ 275.00	\$ 275.00	\$ 1,302.40
	Footing	0.93	CY	\$ 170.00	\$ 130.00	\$ 300.00	\$ 279.00
	Backfill	3.806	CY		\$ 80.00	\$ 80.00	\$ 304.48
	Compaction	3.806	CY		\$ 11.00	\$ 11.00	\$ 41.87
W. W. Grainger	Lithonia Lighting 130 W 4000K	2		\$ 796.00	\$ -	\$ 796.00	\$ 1,592.00
W. W. Grainger	3058 Lumens LED Floodlight	4		\$ 280.00	\$ 103.00	\$ 383.00	\$ 1,532.00
D5010 115 0220	Electrcial Distribution Wiring	2500	LF	\$ 0.14	\$ 0.58	\$ 0.72	\$ 1,800.00
South Wire	Electrcial Feeder Wiring	350	LF	\$ 16.00	\$ 1.25	\$ 17.25	\$ 6,037.50
26 28 16.20 4510	240V 3 pole NEMA3R fusible 30A	1	EA	\$ 345.00	\$ 133.00	\$ 478.00	\$ 478.00
26 24 16.30 0150	Square D 225A, 208/120V-3PH NEMA 4X	1	EA	\$ 2,400.00	\$ 1,100.00	\$ 3,500.00	\$ 3,500.00
26 05 39.40 0200	Conduit in Trench 2" (rigid) SCH80 PVC	350	LF	\$ 7.65	\$ 2.75	\$ 10.40	\$ 3,640.00
26 05 43.00 0100	Excavation / Backfill / Compact w/ vibrating plate / remove excess spoils	325	LF	\$ 114.00	\$ 20.50	\$ 134.50	\$ 43,712.50
ION8650	Electric Smart Meter	1	EA	\$ 11,000.00		\$ 11,000.00	\$ 11,000.00
							\$ 91,724.25
Mechanical & FKA Domestic Water Service & Meter (Commercial)							
171970 2720	Warehouse & Storage Buildings - Plumbing	1306	SF			\$ 4.41	\$ 5,759.46
FKA	Tapping fee	1	EA	\$ 2,575.00	\$ -	\$ 2,575.00	\$ 2,575.00
FKA	Review	1	EA	\$ 360.00		\$ 360.00	\$ 360.00
FKA	Drop-in fee	1	EA	\$ 790.00		\$ 790.00	\$ 790.00
FKA	System impact	1	EA	\$ 30,000.00		\$ 30,000.00	\$ 30,000.00
							\$ 39,484.5
Design							
	Design Effort	1	LS			\$ 25,000.00	\$ 25,000.00
							\$ 25,000.00
Cummulative Cost							\$ 389,056.21
Cost Allowance / Unforseen Conditions / Inflation / Area Factor (35%)							\$ 136,169.67
Final Cost							\$ 525,225.88