

PURCHASING OFFICE



JAMES CITY COUNTY REQUEST FOR PROPOSAL #12-4940 WATER STORAGE TANK MAINTENANCE (JCSA)

Date: January 26, 2012

ADDENDUM NO. 3

The above referenced RFP is hereby amended and clarified as follows:

This Addendum answers bidder questions from Pre-Proposal held on January 25, 2012 and the pre-proposal conference sign-in sheets. The following modifications, additions, or deletions are *hereby incorporated into the contract documents*. Please contact Linda Hodges, Senior Buyer, Email: lhodges@james-city.va.us if you have any questions.

QUESTIONS

1. Does the Process Room and Chemical Room at The Retreat W37 need to be painted?

Answer: Yes, Excluding the floor from the PP at the Process Room and Chemical Room paint walls and ceiling excluding conduit and floors.

2. What does PEB mean?

Answer: PEB means Paint Exterior of Building.

3. Does the Contractor need to provide supplemental water or tanks during the cleaning or painting work?

Answer: No, Each facility is designed to operate with one tank out of service at a time. The Contractor will not be given the second tank on a site until the first tank work is completed and back in service.

4. Warhill Elevated Tank ES-02 will need to have the interior of the tank coated as per the contract documents in FY 13. See the revised Appendix A and Appendix B documents.

PROPOSAL DOCUMENT CHANGES/ADDITIONS:

1. **Replace:** Section 01005 – General/Summary of Work in its entirety with the revised **Section 01005 – General/Summary of Work.**
2. **Replace:** Section 01025 – Measurement and Payment in its entirety with the revised **Section 01025 Measurement and Payment.**
3. **Replace:** Appendix A – Tank Maintenance Program Schedule in its entirety with the revised **Appendix A – Tank Maintenance Program Schedule.**
4. **Replace:** Appendix B – Fee Schedule in its entirety with the revised **Appendix A – Fee Schedule.**
5. **Add: ES-02 Warhill, Tank Section Shop Drawing S2 – A, to Appendix D.** This drawing is for informational purposes.

This Addendum 3 is incorporated into the Proposal Documents and will be made part of the resulting contract.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.

APPENDIX A - TANK MAINTENANCE PROGRAM SCHEDULE

Item	Location	Type	Capacity	FY 13	FY 14	FY 15	FY 16	FY 17
				Work Required	Work Required	Work Required	Work Required	Work Required
ES-01	Stonehouse	Elevated	1,250,000		WI, WE, R		WI, WE, TP, R	
ES-02	Warhill	Elevated	1,250,000	PI, WE, TP, R		WI, WE, TP, A, R		WI, WE, R
B-27-1	Ironbound Road	Ground	500,000		WI, WE, PS, R		WI, WE, TP, R	
B-27-2	Ironbound Road	Ground	500,000		WI, WE, PS, R		WI, WE, TP, R	
B-32-1	Booster Station	Ground	1 mil	WI, WE, R		WI, WE, TP, R		WI, WE, R
B-32-2	Booster Station	Pressure	15,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-1-1	Owens-Illinois	Pressure	10,000		WI, WE, R		WI, WE, TP, R	
W-1-2	Owens-Illinois	Ground	250,000		WI, WE, R		WI, WE, TP, R	
W-5-1	Ewell Hall	Ground	20,000		WI, WE, R		WI, WE, TP, R	
W-5-2	Ewell Hall	Ground	20,000		WI, WE, R		WI, WE, TP, R	
W-17	Chickahominy Park	Pressure	5,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-22-1	Canterbury Hills	Pressure	15,000		PI, PE, TP, R		WI, WE, TP, A, R	
W-22-2	Canterbury Hills	Pressure	15,000		PI, PE, TP, R		WI, WE, TP, A, R	
W-22	Canterbury Hills	Building			PP exclude floor			
W-22	Canterbury Hills	Chemical Building			PC, PP			
W-25-1	Stonehouse	Ground	500,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-25-2	Stonehouse	Pressure	10,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-28-1	Wexford Hills	Ground	30,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-28-2	Wexford Hills	Pressure	5,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-29-1	Racefield	Ground	20,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-29-2	Racefield	Pressure	5,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-30-1	Glenwood	Ground	20,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-30-2	Glenwood	Pressure	5,000	WI, WE, R		WI, WE, TP, R		WI, WE, R

APPENDIX A - TANK MAINTENANCE PROGRAM SCHEDULE

Item	Location	Type	Capacity	FY 13	FY 14	FY 15	FY 16	FY 17
				Work Required	Work Required	Work Required	Work Required	Work Required
W-31-1	Kings Village	Ground	20,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-31-2	Kings Village	Pressure	5,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-33-1	Ford's Colony	Pressure	20,000	PI, PE, TP, R		WI, WE, TP, A, R		WI, WE, R
W-33	Ford's Colony	Building		PP excluding floor				
W-33	Ford's Colony	Well Heads		PW				
W-35-1	Upper County Park	Pressure	5,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-35	Upper County Park	Building		PEB				
W-36-1	Ware Creek Manor	Ground	20,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-36-2	Ware Creek Manor	Pressure	5,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
W-37-1	Retreat	Ground	20,000	WI, WE, R		PI, WE, TP, R		WI, WE, TP, A, R
W-37-2	Retreat	Pressure	5,000	WI, WE, R		PI, WE, TP, R		WI, WE, TP, A, R
W-37	Retreat	Building				PP excluding floor		
W-37	Retreat	Chemical Room				PC including walls and ceiling and exculding floors and conduits		
W-38-1	Kristiansands	Ground	52,000		WI, WE, R		WI, WE, TP, R	
W-38-2	Kristiansands	Ground	52,000		WI, WE, R		WI, WE, TP, R	
W-39-1	Liberty Ridge	Ground	50,000		WI, WE, TP, A, R		WI, WE, TP, R	
W-39-2	Liberty Ridge	Ground	50,000		WI, WE, TP, A, R		WI, WE, TP, R	
W-39-3	Liberty Ridge	Pressure	10,000		WI, WE, TP, A, R		WI, WE, TP, R	
FFWTF-1	Five Forks Clearwell	Ground	125,000	WI, WE, R		WI, WE, TP, R		WI, WE, R
FFWTF-2	Five Forks Clearwell	Ground	125,000	WI, WE, R		WI, WE, TP, R		WI, WE, R

APPENDIX A - TANK MAINTENANCE PROGRAM SCHEDULE

Item	Location	Type	Capacity	FY 13	FY 14	FY 15	FY 16	FY 17
				Work Required	Work Required	Work Required	Work Required	Work Required
FFWTF	Five Forks: Clearwell Top Slab, 2-Degasifiers, and Associated Duct Work			PS				

List of Abbreviations

A	Two year anniversary warranty inspection		PW	Paint exterior surfaces of the well head casings
PC	Paint floor, wall borders, pedestals with chemical resistant coatings		R	Provide written report of findings
PE	Paint exterior surfaces		TP	Denotes third party required inspections and report
PI	Paint Interior Surfaces		WE	Pressure wash interior surfaces
PP	Paint interior building surfaces to include, piping, conduits, walls, floors, and ceilings		WI	Pressure wash exterior surfaces
PEB	Paint Exterior of Building			
PS	Paint Exterior Surfaces of the Top of the Clearwell Slab, 2 - Degasifiers, and Associated Duct Work: This shall consist of cleaning, tooling, removal of loose coatings, surface preparation, and coating applications for top of the concrete clearwell slab and the two (2) – fiberglass degasifiers and associated duct work in accordance with these Contract Documents. This shall also consist of the cleaning, tooling, and removal of loose coatings, surface preparation, and coating applications for the top of the concrete tanks at B-27 Ironbound Water Booster Facility in accordance with these documents.			

Fee Schedule

FY 13					
Item	Location	Type	Capacity	Work Required	Cost
ES-02	Warhill	Elevated	1,250,000	PI, WE, TP, R	
B-32-1	Booster Station	Ground	1 mil	WI, WE, R	
B-32-2	Booster Station	Pressure	15,000	WI, WE, R	
W-17	Chickahominy River	Pressure	5,000	WI, WE, R	
W-25-1	Stonehouse	Ground	500,000	WI, WE, R	
W-25-2	Stonehouse	Pressure	10,000	WI, WE, R	
W-28-1	Wexford Hills	Ground	30,000	WI, WE, R	
W-28-2	Wexford Hills	Pressure	5,000	WI, WE, R	
W-29-1	Racefield	Ground	20,000	WI, WE, R	
W-29-2	Racefield	Pressure	5,000	WI, WE, R	
W-30-1	Glenwood	Ground	20,000	WI, WE, R	
W-30-2	Glenwood	Pressure	5,000	WI, WE, R	
W-31-1	Kings Village	Ground	20,000	WI, WE, R	
W-31-2	Kings Village	Pressure	5,000	WI, WE, R	
W-33-1	Ford's Colony	Pressure	20,000	PI, PE, TP, R	
W-33	Ford's Colony	Building		PP, excluding the floor	
W-33	Ford's Colony	Well Heads		PW	
W-35-1	Upper County Park	Pressure	5,000	WI, WE, R	
W-35	Upper County Park	Building		PEB	
W-36-1	Ware Creek Manor	Ground	20,000	WI, WE, R	
W-36-2	Ware Creek Manor	Pressure	5,000	WI, WE, R	
W-37-1	Retreat	Ground	20,000	WI, WE, R	
W-37-2	Retreat	Pressure	5,000	WI, WE, R	
FFWTF-1	Five Forks Clearwell	Ground	125,000	WI, WE, R	
FFWTF-2	Five Forks Clearwell	Ground	125,000	WI, WE, R	
FFWTF	Five Forks: Clearwell Top Slab, 2-Degasifiers and Associated Duct Work			PS	

Total Cost for FY 13	
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Fee Schedule

FY 14					
Item	Location	Type	Capacity	Work Required	Cost
ES-01	Stonehouse	Elevated	1,250,000	WI, WE, R	
B-27-1	Ironbound Road	Ground	500,000	WI, WE, PS, R	
B-27-2	Ironbound Road	Ground	500,000	WI, WE, PS, R	
W-1-1	Owens-Illinois	Pressure	10,000	WI, WE, R	
W-1-2	Owens-Illinois	Ground	250,000	WI, WE, R	
W-5-1	Ewell Hall	Ground	20,000	WI, WE, R	
W-5-2	Ewell Hall	Ground	20,000	WI, WE, R	
W-22-1	Canterbury Hills	Pressure	15,000	PI, PE, TP, R	
W-22-2	Canterbury Hills	Pressure	15,000	PI, PE, TP, R	
W-22	Canterbury Hills	Building		PP exclude floor	
W-22	Canterbury Hills	Chemical Building		PC, PP	
W-38-1	Kristiansands	Ground	52,000	WI, WE, R	
W-38-2	Kristiansands	Ground	52,000	WI, WE, R	
W-39-1	Liberty Ridge	Ground	50,000	WI, WE, TP, A, R	
W-39-2	Liberty Ridge	Ground	50,000	WI, WE, TP, A, R	
W-39-3	Liberty Ridge	Pressure	10,000	WI, WE, TP, A, R	

Total Cost for FY 14	
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Fee Schedule

FY 15					
Item	Location	Type	Capacity	Work Required	Cost
ES-02	Warhill	Elevated	1,250,000	WI, WE, TP, A, R	
B-32-1	Booster Station	Ground	1 mil	WI, WE, TP, R	
B-32-2	Booster Station	Pressure	15,000	WI, WE, TP, R	
W-17	Chickahominy River	Pressure	5,000	WI, WE, TP, R	
W-25-1	Stonehouse	Ground	500,000	WI, WE, TP, R	
W-25-2	Stonehouse	Pressure	10,000	WI, WE, TP, R	
W-28-1	Wexford Hills	Ground	30,000	WI, WE, TP, R	
W-28-2	Wexford Hills	Pressure	5,000	WI, WE, TP, R	
W-29-1	Racefield	Ground	20,000	WI, WE, TP, R	
W-29-2	Racefield	Pressure	5,000	WI, WE, TP, R	
W-30-1	Glenwood	Ground	20,000	WI, WE, TP, R	
W-30-2	Glenwood	Pressure	5,000	WI, WE, TP, R	
W-31-1	Kings Village	Ground	20,000	WI, WE, TP, R	
W-31-2	Kings Village	Pressure	5,000	WI, WE, TP, R	
W-33-1	Ford's Colony	Pressure	20,000	WI, WE, TP, A, R	
W-35-1	Upper County Park	Pressure	5,000	WI, WE, TP, R	
W-36-1	Ware Creek Manor	Ground	20,000	WI, WE, TP, R	
W-36-2	Ware Creek Manor	Pressure	5,000	WI, WE, TP, R	
W-37-1	Retreat	Ground	20,000	PI, WE, TP, R	
W-37-2	Retreat	Pressure	5,000	PI, WE, TP, R	
W-37	Retreat	Building		PP excluding floor	
W-37	Retreat	Chemical Room		PC including walls and ceiling and excluding floors and conduits	
FFWTF-1	Five Forks Clearwell	Ground	125,000	WI, WE, TP, R	
FFWTF-2	Five Forks Clearwell	Ground	125,000	WI, WE, TP, R	

Total Cost for FY 15	
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Fee Schedule

Fee Schedule

FY 16					
Item	Location	Type	Capacity	Work Required	Cost
ES-01	Stonehouse	Elevated	1,250,000	WI, WE, TP, R	
B-27-1	Ironbound Road	Ground	500,000	WI, WE, TP, R	
B-27-2	Ironbound Road	Ground	500,000	WI, WE, TP, R	
W-1-1	Owens-Illinois	Pressure	10,000	WI, WE, TP, R	
W-1-2	Owens-Illinois	Ground	250,000	WI, WE, TP, R	
W-5-1	Ewell Hall	Ground	20,000	WI, WE, TP, R	
W-5-2	Ewell Hall	Ground	20,000	WI, WE, TP, R	
W-22-1	Canterbury Hills	Pressure	15,000	WI, WE, TP, A, R	
W-22-2	Canterbury Hills	Pressure	15,000	WI, WE, TP, A, R	
W-38-1	Kristiansands	Ground	52,000	WI, WE, TP, R	
W-38-2	Kristiansands	Ground	52,000	WI, WE, TP, R	
W-39-1	Liberty Ridge	Ground	50,000	WI, WE, TP, R	
W-39-2	Liberty Ridge	Ground	50,000	WI, WE, TP, R	
W-39-3	Liberty Ridge	Pressure	10,000	WI, WE, TP, R	

Total Cost for FY 16	
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Fee Schedule

FY 17					
Item	Location	Type	Capacity	Work Required	Cost
ES-02	Warhill	Elevated	1,250,000	WI, WE, R	
B-32-1	Booster Station	Ground	1 mil	WI, WE, R	
B-32-2	Booster Station	Pressure	15,000	WI, WE, R	
W-17	Chickahominy River	Pressure	5,000	WI, WE, R	
W-25-1	Stonehouse	Ground	500,000	WI, WE, R	
W-25-2	Stonehouse	Pressure	10,000	WI, WE, R	
W-28-1	Wexford Hills	Ground	30,000	WI, WE, R	
W-28-2	Wexford Hills	Pressure	5,000	WI, WE, R	
W-29-1	Racefield	Ground	20,000	WI, WE, R	
W-29-2	Racefield	Pressure	5,000	WI, WE, R	
W-30-1	Glenwood	Ground	20,000	WI, WE, R	
W-30-2	Glenwood	Pressure	5,000	WI, WE, R	
W-31-1	Kings Village	Ground	20,000	WI, WE, R	
W-31-2	Kings Village	Pressure	5,000	WI, WE, R	
W-33-1	Ford's Colony	Pressure	20,000	WI, WE, R	
W-35-1	Upper County Park	Pressure	5,000	WI, WE, R	
W-36-1	Ware Creek Manor	Ground	20,000	WI, WE, R	
W-36-2	Ware Creek Manor	Pressure	5,000	WI, WE, R	
W-37-1	Retreat	Ground	20,000	WI, WE, TP, A, R	
W-37-2	Retreat	Pressure	5,000	WI, WE, TP, A, R	
FFWTF-1	Five Forks Clearwell	Ground	125,000	WI, WE, R	
FFWTF-2	Five Forks Clearwell	Ground	125,000	WI, WE, R	

Total Cost for FY 17	
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Fee Schedule

Total Cost for FY 13:

Total Cost for FY 14:

Total Cost for FY 15:

Total Cost for FY 16:

Total Cost for FY 17:

Sum of all cost from FY 13 to FY 17:

List of Abbreviations	
A	Two year anniversary warranty inspections
PC	Paint floor, wall borders and pedestals with chemical resistant coatings
PE	Paint exterior surfaces
PEB	Paint exterior of building
PI	Paint interior surfaces
PP	Paint interior building surfaces to include piping, conduits, walls, floors and ceilings
PS	“PS” – Paint Exterior Surfaces of the Top of the Clearwell Slab, 2 - Degasifiers, and Associated Duct Work: This shall consist of cleaning, tooling, removal of loose coatings, surface preparation, and coating applications for top of the concrete clearwell slab and the two (2) – fiberglass degasifiers and associated duct work in accordance with these Contract Documents. This shall also consist of the cleaning, tooling, and removal of loose coatings, surface preparation, and coating applications for the top of the concrete tanks at B-27 Ironbound Water Booster Facility in accordance with these documents.
PW	Paint exterior surfaces of the well head casings.
R	Provide written report of findings.
TP	Denotes third party required inspections and report
WE	Pressure wash interior surfaces
WI	Pressure was exterior surfaces

SECTION 01005 – GENERAL/SUMMARY OF WORK

PART 1 - GENERAL

1.01 SUMMARY OF PROPOSED WORK

- A. The Contractor shall furnish and install all materials and to include but not be limited to providing all supervision, labor, materials, equipment, quality assurance, Third Party NACE Inspectors, and other services as required to clean (interior and exterior of water storage tanks); preparing a “pre and post” report on interior and exterior tank surface conditions; surface preparation of interior and exterior surfaces of water storage tanks, and exterior surfaces of piping, conduits, pumps and motors, and appurtenances, building interiors (to include walls, ceiling, and floor); coating application of (interior and exterior surfaces of water storage tanks, and exterior surfaces of piping, conduits, pumps and motors, and appurtenances, building interiors (to include walls, ceiling, and floor), and perform minor repairs as designated; and provide for an independent third party quality control firm responsible for certifying Contractor’s adherence to manufacture’s requirements for surface preparation and coating applications, and health, safety, environmental, and atmospheric constraints associated with the work specified herein. The work will be conducted in accordance with the Tank Maintenance Program Schedule (TMPS) provided herein.

1.02 GENERAL DEFINITION OF WORK:

- A. **“A” – Two Year Anniversary Warranty Inspection:** This shall consist of an inspection of the interior and exterior surfaces of the tanks by the Contractor, Third Party Quality Control Firm and the Owner approximately two (2) years after coating work was completed by the Contractor. This inspection is required to determine whether any repair coating is necessary. The Inspection shall be done in accordance with these Contract Documents and AWWA D102, latest revision. Contractor to have the Third Party Quality Control Firm prepare a report of their findings and recommendation. Any repair of defective work shall be scheduled and repaired by the Contractor at the earliest possible opportunity as schedule permits and in accordance with these Contract Documents and at no additional cost to the Owner.
- B. **“PC” – Paint floor, wall borders, and pedestals with chemical resistant coatings.** This shall consist of surface preparation and applications of chemical resistant coating for the above described concrete surfaces in accordance with these Contract Documents.
- C. **“PE” – Paint Exterior Surfaces:** This shall consist of surface preparation and coating applications for exterior surfaces of the water storage tanks in accordance with these Contract Documents.

- D. **“PEB” – Paint Exterior of Building:** *(Addendum #3): This shall consist of surface preparation and coating applications for exterior surfaces of the building, excluding the roof, and in accordance with these Contract Documents.*
- E. **“PI” – Paint Interior Surfaces:** This shall consist of surface preparation and coating applications for interior surfaces of the water storage tanks in accordance with these Contract Documents.
- F. **“PP” – Paint Interior Building Surfaces to include Piping, Conduit, Walls, Floors, and Ceilings:** This shall consist of cleaning, tooling, removal of loose coatings, surface preparation, and coating applications for interior of buildings to include piping, fittings, valves, appurtenances, conduits, walls, floors, and ceiling in accordance with these Contract Documents.
- G. **“PS” – Paint Exterior Surfaces of the Top of the Clearwell Slab, 2 – Degasifiers, and Associated Duct Work:** *(Addendum #2): This shall consist of cleaning, tooling, removal of loose coatings, surface preparation, and coating applications for top of the concrete clearwell slab and the two (2) – fiberglass degasifiers and associated duct work in accordance with these Contract Documents. This shall also consist of the cleaning, tooling, and removal of loose coatings, surface preparation, and coating applications for the top of the concrete tanks at B-27 Ironbound Water Booster Facility in accordance with these documents.*
- H. **“PW” – Paint Exterior Surfaces of the Well Head Casing:** This shall consist of surface preparation, and coating applications for above ground steel well head casing and steel well head top in accordance with these Contract Documents.
- I. **“R” – Provide Written Report of Finding:** Provide a report of finding and recommendations in accordance with Section 13219 of these specifications and Contract Documents.
- J. **“TP” – Third Party Inspection:** This item shall consist of the Contractor providing a third party inspection firm during the coating removal, for surface preparation and coating applications for the interior and exterior coatings of the water storage tanks. The third party inspections for the tank cleaning shall consist of documentation of pre-cleaning condition of the tank, debris, defects, etc., and the post cleaning inspection and touch up coating. A report of finding and recommendations shall be submitted to the Owner for each third party inspection in accordance with Section 01400 and Section 13219 of these specifications and Contract Documents.
- K. **“WI” – Wash Interior:** This shall consist of pressure washing (2,400 PSI) the interior of the tank to remove loose rust, blistered paint, accumulated sediment and deposits in accordance with AWWA M42, latest revision, these specifications

and Contract Documents. **WI also includes touch-up of interior coating of an average of five (5) square feet per tank.** Some tanks may have more others may have less. The touch-up shall be with Series FC22 Epoxoline touch-up kit as manufactured by TNEMEC and applied in accordance with the manufacturer's recommendations and specifications.

- L. **“WE” – Wash Exterior:** This shall consist of pressure washing (2,400 PSI) the exterior of the tank to remove debris, loose rust and blistered paint in accordance with AWWA M42, latest revision, these specifications and Contract Documents.

1.03 **WATER PRODUCTION FACILITIES LOCATIONS:** (Directions are given from JCSA Operations, Tewing Road). See Appendix D for site plan information pertaining to each water production facility.

ELEVATED STORAGE TANKS

- A. **ES-01 Stonehouse Elevated Water Storage Tank Site – 9032 Westmont Drive; Toano 23168:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 past Anderson's Corner onto Route 30. Turn right into Stonehouse Commerce Parkway on La Grange Parkway, then left onto Westmount Drive. The tank is on your right.
- B. **ES-02 Warhill Elevated Water Storage Tank Site – 5900 Warhill Trail; Williamsburg 23185:** Left on Ironbound Road through the light onto Longhill Road. Turn right onto Centerville Road at the intersection of Longhill Road and Centerville Road. Then turn right at the intersection of Centerville Road and Opportunity Way onto Opportunity Way. Then continue along Opportunity way to Stadium Road. Continue on Stadium Road until you see the large overhead power lines. Turn Left under the power lines onto a dirt access road follow this access road past the electrical substation and into the woods. The water storage tank is in the woods on the left side of the access road.

WATER PRODUCTION AND BOOSTER FACILITIES

- A. **B-27 Ironbound Booster Facility - 4015 Ironbound Road; Williamsburg 23188:** Right on Ironbound Road, turn right on Monticello Avenue. Turn left onto Ironbound Road. The facility is on your right at the intersection.
- B. **B-32 Route 199 Booster Facility - 6735 Route 199; Williamsburg 23185:** Right on Ironbound Road, left on Strawberry Plains Road (which turns into Route 199). Route 199 east, right on gravel road 7/10 of a mile past Henry Street and before Mounts Bay Road.

- C. **W-01 Owens Illinois - 150 Industrial Blvd; Toano 23168:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 through Toano. Turn right on Industrial Blvd. Facility is 2/10 of a mile on right.
- D. **W-05 Ewell Hall - 121 A Queen Mary Court; Williamsburg 23188:** Left on Ironbound Road through the light onto Longhill Road. Turn right onto Olde Towne Road. Turn left onto King William Drive. Go to the end and take a right onto private access road to Williamsburg Memorial Park. Go 2/10 of a mile and the facility is on the right.
- E. **W-17 Chickahominy River Front Park- 1350 John Tyler Hwy; Williamsburg 23185:** Right on Ironbound Road, turn right on Monticello Avenue. Turn left onto News Rd. Turn right onto Ironbound Road. Turn right at John Tyler Highway (Rt. 5). Take last right turn before the Chickahominy River Bridge into Chickahominy River Park. Proceed to the far back of the park, through the cattle gate. Facility is on the right.
- F. **W-22 Canterbury Hills - 115 Ferncliff Drive; Williamsburg 23188:** Right on Ironbound Road, turn left on Strawberry Plains Road. Right on John Tyler Hwy, right on Ferncliff Drive. Facility is approximately 2/10 of a mile on the right in the woods.
- G. **W-25 Stonehouse - 9400 A Fieldstone Parkway; Toano 23168:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 past Anderson's Corner onto Route 30. Turn left into Stonehouse on Fieldstone Parkway. Go to intersection of Fieldstone Parkway and just before the bridge on Fieldstone Parkway the facility will be on your left.
- H. **W-28 Wexford Hills - 5813 Riverview Road; Williamsburg 23188:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60. Take Route 199 towards interstate, stay on this road (Newman Road) until the end. Take a left on Riverside Drive, the station is 4/10 of a mile on the left.
- I. **W-29 Racefield - 109 Preakness Lane; Toano 23168:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 past Anderson's Corner onto Route 30. Turn left on Barnes Road. Take first right after overpass onto Racefield Drive. Take left onto Preakness Lane. Facility is 2/10 of a mile off Racefield Drive on the left.
- J. **W-30 Glenwood Acres - 4522 Timber Lane; Williamsburg 23188:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 to Croaker Road (Route 607) turn right. After I-64 overpass turn left onto Fenton Mill Road (At 7-11). Go to stop sign, straight across into Glenwood Acres. Go to end of Old Mill Lane, turn left onto Timber Lane. Go to end of cul-de-sac and take a right onto gravel road. Facility is 200' off Timber Lane.

- K. **W-31 Kings Village - 10110 Old Stage Road; Toano 23168:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 past Anderson's Corner onto Route 30. Go two miles past Interstate 64 and facility will be on the right 2/10 of a mile past Holly Forks Road. Look for gravel driveway and well house.
- L. **W-33 Ford's Colony - 5374 Centerville Road; Williamsburg 23188:** Left on Ironbound Road through the light onto Longhill Road. Go to Centerville Road take a left. Go 1/2 of a mile and facility is on the left just past D.J. Montague School.
- M. **W-35 Upper County Park - 180 Leisure Road; Toano 23168:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 past Anderson's Corner onto Route 30. Go 3/10 of a mile to Old Stage Road. Turn left on Old Stage Road. Turn right on Leisure Road. Go to the end of the road into Upper County Park. Take a right on the first gravel road. Facility is 500 feet off Leisure Road on the right.
- N. **W-36 Ware Creek Manor - 9080 Croaker Road; Williamsburg 23188:** Left on Ironbound Road, right at the light to Route 60, go west onto Route 60 to Croaker Road (Route 607), turn right. Go 3.4 miles, facility is on the right side of the road just before Massena Drive.
- O. **W-37 The Retreat – 9061 Barnes Road; Toano 23168:** Left on Ironbound Road, through the light onto Longhill Connector Road, left at the light to Route 199 west, go west on Rt. 199 to Interstate 64 West exit. Go west on I-64 to Rt30/West Point exit. Go west on Route 30. Turn left on Barnes Road. Go 2 miles, facility is on the right just after Whispering Drive.
- P. **W-38 Kristiansand - 116 Nina Lane; Toano 23168:** Left on Ironbound Road, right at the light to Route 60, go west on Route 60 to Norge. Turn left on Kristiansand Drive (7-11 Store). Turn right on Nina Lane. Go 1/10 of a mile and driveway for facility is on the right before the sharp curve.
- Q. **W-39 Liberty Ridge – 5207 Colonnade Parkway; Williamsburg 23188:** Left on Ironbound Road through the light onto Longhill Connector Road. Turn left onto Centerville Road. Turn right onto Liberty Ridge Parkway. Take a left on Colonnade Parkway, the facility is 1/4 of a mile on the left.

- R. **Five Forks Water Treatment Facility (FFWTF) - 4321 John Tyler Highway; Williamsburg, 23185:** Right on Ironbound Road, turn right on Monticello Avenue. Turn left onto News Rd. Turn right onto Ironbound Road. Turn right at John Tyler Highway (Route 5). Go 2/10 of a mile and turn left on access road, facility is on the right at the top of hill.

1.04 CONTRACT METHOD:

- A. The Work described in these Contract Documents shall be constructed under a single prime contract. The method of payment shall be as provided in the Agreement.

1.05 CONTRACTOR USE OF PREMISES:

- A. CONTRACTOR'S use of the premises for storage and the operations of workmen will be restricted to the respective water production facility upon which work is taking place.

1.06 EXISTING UTILITIES:

- A. Special cautions shall be taken by the CONTRACTOR to avoid damage to existing overhead and underground facilities owned and operated by public or private utilities.
- B. The available information concerning the location of existing underground utilities is shown on the Drawings. While, it is believed that the locations shown are reasonably correct, James City Service Authority (JCSA) cannot guarantee the accuracy or adequacy of this information.
- C. Before proceeding with the Work, the Contractor shall confer with all public or private companies including agencies, or departments that own and operate utilities in the vicinity of the construction work and on the ES-2 elevated storage tank. The purpose of this conference, or conferences, shall be to notify said companies, agencies, or departments of the possible interference with the existing utilities, explain the work to be done, coordinate the time table, arrange for necessary suspension of service, and make arrangements to locate and avoid interference with said utilities. The JCSA has no objection to the Contractor arranging for said utility companies, agencies, or departments to re-locate their own utilities; however, the Contractor shall bear the entire responsibility for locating and avoiding, or repairing damage to said utilities.
- D. The CONTRACTOR is to notify "Miss Utility" prior to starting any excavation work as part of the requirement of this Section.

1.07 PRE-CONSTRUCTION MEETING:

- A. Prior to the start of construction by the successful bidder, a general information meeting shall be held with the OWNER and CONTRACTOR, and other interested parties in attendance. The meeting shall cover the general features and the various requirements in the Contract.

1.08 CONTRACTOR'S QUALIFICATIONS:

- A. Proposals shall be considered only from qualified and experienced water storage tank painting contractors. Qualifications and experience credentials shall include:
- B. Experience in water storage tank rehabilitation industry for a minimum of FIVE (5) years, or verifiable proficiency in surface preparation and applying the coating system to tanks, such as certified training from the respective manufacturer.

1.09 CONTRACT DOCUMENTS:

- A. Copies of Contract Documents for Subcontractors: The CONTRACTOR shall, without expense to the JCSA, furnish each of the subcontractors, manufacturers, and suppliers such copies of the Contract Documents as may be required for their Work.
- B. Record Copy of Contract Documents: The CONTRACTOR shall keep one record copy of all specifications, drawings, addenda, modifications, and shop drawings at the CONTRACTOR's office at the Site, in good order and annotated to show all changes made during the construction process. Such Documents shall be made available to the OWNER and the OWNER's Designee and shall be delivered to the Owner upon completion of the Work.
- C. Supplemental Drawings: When, in the opinion of the Owner, it becomes necessary to explain more fully the Work to be done, or to illustrate the Work further, or to show any changes which may be required, drawings known as Supplemental Drawings with Specifications pertaining thereto, will be prepared provided by the Owner and 5 copies thereof will be given to the CONTRACTOR.
- D. Clarification Procedure: The CONTRACTOR may request a clarification of the Drawings or Specifications from the Owner through the following procedure:
 - 1. The CONTRACTOR shall forward a written request for clarification to the Owner for a response. The CONTRACTOR should indicate a preferred reply date.
 - 2. The Owner will assign the clarification a sequential number.
 - 3. The Owner will review the clarification with the appropriate parties.
 - 4. The Owner will complete and sign the lower portion of the clarification.

5. A copy of the completed clarification will be returned to the CONTRACTOR.
6. The completed clarification distribution will be noted on the clarification form.

1.10 COORDINATION:

- A. CONTRACTOR to Verify: The CONTRACTOR shall verify all dimensions, quantities, and details shown on the Drawings and Supplemental Drawings, equipment, material, finishes, and other such listings or other data received from the Owner, and shall notify him of all errors, omissions, conflicts and discrepancies. This shall not relieve the CONTRACTOR of full responsibility for unsatisfactory Work, faulty construction, or improper operation resulting there from, or from rectifying such conditions at his own expense. He shall not be allowed to take advantage of any errors or omissions. All equipment, materials, finishes, and other such listings are given for the convenience of the CONTRACTOR and are not guaranteed to be complete. The CONTRACTOR shall assume all responsibility for the making of estimates of the size, kind, and quality of materials and equipment included in Work to be done under the Contract.

1.11 UNFAVORABLE WEATHER CONDITIONS:

- A. No surface preparation or coating application work shall proceed under unfavorable weather conditions, unless the Owner directs such work.
- B. Unfavorable weather conditions will be defined as weather conditions out side of the coating manufacturers recommended conditions for coating application and/or any condition that does not meet the conditions specified in Section 09900 of these Contract Documents.
- C. The Owner will monitor the weather conditions to insure Contractor's compliance with the listed conditions.
- D. The Contractor shall record the relative humidity, air temperature, and surface temperature upon commencement and completion of coating application before said work is preformed. A log of this information shall be submitted through the Third Party Coating Inspector for verification of compliance then submitted to the Owner through the Report.

1.12 FACILITY SHUTDOWN:

- A. The Work Schedule shall assume work on one (1) water storage tank at a time; however, there may be a circumstance where two (2) tanks are out of service and available for work. Work may progress on a second tank only if the Contractor is

capable of providing all the necessary equipment and manpower for duplication of work effort and approved by JCSA. No more than two (2) tanks may be out of service at a time for the Central Water System and no more than one (1) tank for any Independent Water System Facility. Include in your schedule allowances for filling and disinfecting and the taking of bacteria samples. These activities may take four (4) to seven (7) days depending on the size and location of the facility. A breakdown between the Central System and Independent water facilities are as follows:

1. Central System Facilities are ES-01, ES-02, B-27, B-32, W-1, W-4, W-5, W-22, W-25, W-33, W-38, and FFWTF.
 2. Independent Water Facilities are W-17, W-28, W-29, W-30, W-31, W-35, W-36, W-37, and W-39.
- B. All work shall be completed, as scheduled, using a five (5) day workweek, Monday through Friday between the hours of 7:30 am and 5:30 p.m. There will be no work allowed on weekends or County holidays. Any deviation from the planned work schedule shall be approved in advance by JCSA, Project Manager. For a listing of approved County holidays see Section XVIII of these specifications.
- C. The Owner will be responsible for the shutdown of the facility and the operation of all isolation valves. The Contractor shall notify the Owner of their intentions to begin work at a water production/storage facility a minimum of seven (7) days in advance of mobilization. The Contractor shall not operate any JCSA valves at any time. The Owner will be responsible for emptying and refilling of the tanks to be cleaned and/or coated. The Owner shall be responsible for disinfecting all tanks and piping taken out of service in conjunction with this contract in accordance with AWWA C652, latest revision.

END OF SECTION

SECTION 01025 – MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 METHOD OF MEASUREMENT AND PAYMENT:

- A. **Lump Sum:** The term “Lump Sum” when used as an item of payment will mean complete payment for the work described in the item including all supervision, labor, equipment, materials, and incidentals necessary to complete the work in accordance with the Contract Documents and these specifications.
- B. **Incidental Items:** All items listed below are incidental to the project work required by the Contract Documents and shall not be measured for payment. The cost of these shall be included, where deemed appropriate by the Contractor, in Lump Sum price as set forth in the Measurement and Payment section herein, including but not limited to the following:
1. Noise control.
 2. Site restoration and cleanup
 3. Location of existing utilities
 4. Site security
 5. Mobilization and demobilization
 6. Permit acquisition
 7. Top soil, seed and fertilizer
 8. Erosion control

1.02 MEASUREMENT AND PAYMENT:

- A. The Contractor shall be paid a lump sum for each facility listed in the Fee Schedule (see Appendix B: Fee Schedule). The Fee Schedule is based on the proposed work schedule (see Appendix A: Tank Maintenance Program Schedule). The lump sum fee shall include and not be limited to providing all supervision, labor, materials, equipment, quality assurance, Third Party Inspectors, and other services as required to clean (pressure wash interior and exterior of water storage tanks); preparing a “pre and post” report on interior and exterior tank surface conditions; surface preparation of interior and exterior surfaces of water storage tanks, and exterior surfaces of piping, conduits, pumps and motors, and appurtenances, building interiors (to include walls, ceiling, and floor); coating application of interior and exterior surfaces of water storage tanks, and exterior surfaces of piping, conduits, pumps and motors, and appurtenances, building interiors (to include walls, ceiling, and floor); provision for an independent third party quality control firm responsible for certifying Contractor’s adherence to health, safety, environmental, and atmospheric constraints associated with the work specified herein, surface preparation, coating

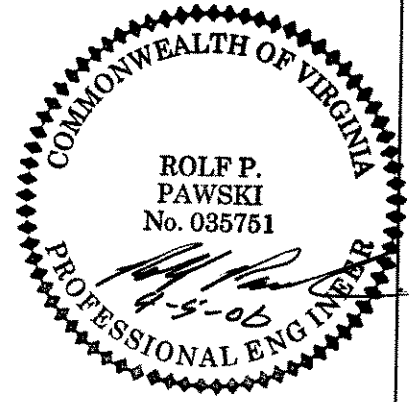
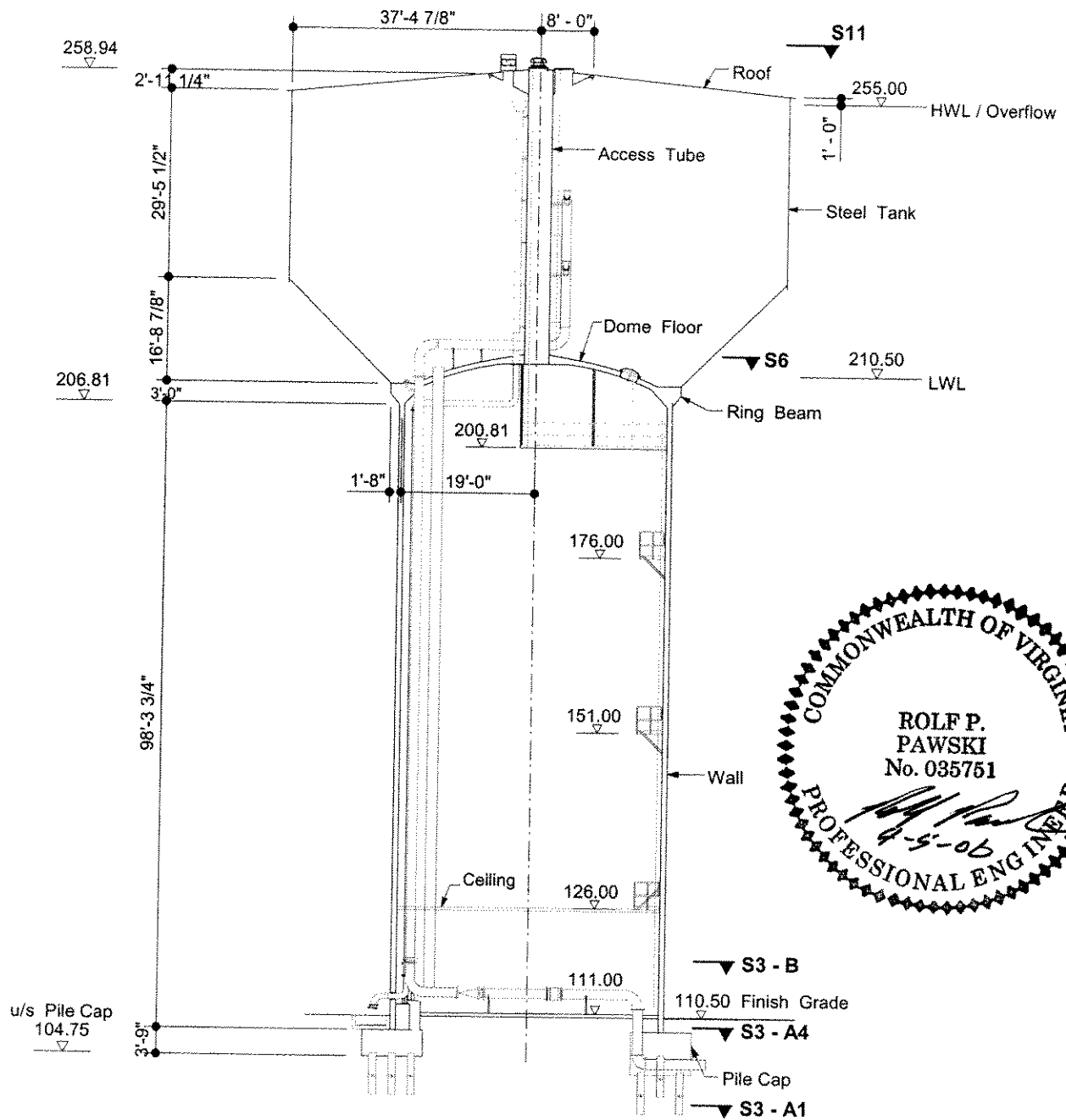
preparation and application; and incidentals necessary to complete the work in accordance with the Contract Documents and these specifications.

- B. The total lump sum fee for each facility will be summed per fiscal year and then totaled over the 5 year period. Each of these lump sum fees shall be paid in the fiscal year in which they are completed.
- C. The cost of the two (2) year anniversary warranty inspections/coating including the cost of the third party inspections and reports shall be included in the LUMP SUM fee for the respective facility upon which work was performed and indicated in the Tank Maintenance Program.
- D. The cost of various work items listed below shall be included in the LUMP SUM cost for their respective facility upon which work was performed and indicated in the Tank Maintenance Program Schedule and as defined in Section 01005 of these specifications, complete in place:
 - 1. **A:** Two Year Anniversary Inspection.
 - 2. **PC:** Paint Floor, Wall Borders, and Pedestals with Chemical Resistant Coatings.
 - 3. **PE:** Paint Exterior Surfaces.
 - 4. **PEB:** *Paint Exterior of Building.*
 - 5. **PI:** Paint Interior Surfaces.
 - 6. **PS:** *Paint Exterior Surfaces of the top of the Clearwell Slab, 2 – Degasifiers, and Associated Duct Work for the Five Forks Water Treatment Facility. Also Paint the exterior surface of the top of the concrete tanks at B-27, Ironbound Water Booster Facility.*
 - 7. **PW:** Paint Exterior Surfaces of the Well Head Casing.
 - 8. **R:** Provide Written Report of Findings.
 - 9. **TP:** Provide Third Party Inspection.
 - 10. **WI:** Wash Interior.
 - 11. **WE:** Wash Exterior.

1.03 DISBURSEMENT OF PAYMENT:

- A. Payments will be made based on the amount of work completed and accepted by the owner free of defects based on the work items referenced in Appendix A: Tank Maintenance Program Schedule and Appendix B: Fee Schedule.

END OF SECTION



NOTES:

1. Plan views correspond to sections indicated. Refer to sections for details, material specifications and procedures.

Rev.	Date	JAMES CITY - WARHILL, VA 1.25 MG ELEVATED WATER STORAGE TANK (L.S.LP Job No. 1141)	TANK SECTION		
LANDMARK		Date	03 / 06	Dwn.	NA
				Chk.	

NON-MANDATORY PRE-PROPOSAL CONFERENCE

RFP 12-4940

TITLE: WATER STORAGE TANK MAINTENANCE

JANUARY 25, 2012 @ 10:00 AM

COMPANY NAME & ADDRESS CONTACT NUMBERS & EMAIL	
James City County Purchasing Department 101-F Mounts Bay Rd., Suite 300 Williamsburg, VA 23185 Representative: Linda Hodges, CPPB	PH: 757-253-6648 FAX: 757-253-6753 E-MAIL: lhodges@james-city.va.us Title: Senior Buyer
Caldwell Tanks Inc 4000 Tower Rd Louisville KY 40219 Representative: Andy Odorzynski	PH: 502-964-3361 FAX: 502-966-8732 E-MAIL: a.odorzynski@Caldwelltanks.com Title: Administration Manager
Spensieri Diversified, LLC 805 A Industrial Ave. Chesapeake, VA 23324 Representative: Steve Atkinson	PH: 757-543-7070 FAX: 757-543-5870 E-MAIL: steve.atkinson@verizon.net Title: Estimator
Superior Industrial Maintenance 4801 Stough Rd Concord NC 28027 Representative: Michael Smith	PH: 704-743-2640 Direct FAX: 704-795-0068 E-MAIL: msmith@90superior.net Title: Project Manager
SOUTHERN CORROSION INC 738 TRELMA RD ROANoke RIKPIS NC 27870 Representative: BRETT WOODRUFF	PH: 800 820 0076 FAX: 252 535 3215 E-MAIL: SCI@TANCCARE.NET
UTILITY SERVICE Co., Inc. P.O. Box 1350/535 Courtney Hodges PERRY, GA 31069 Representative: BRAD BROWN	PH: 434-249-8545 FAX: 800. E-MAIL: Title: SALES REP
	PH:
	FAX:
	E-MAIL:
Representative:	Title:
	PH:
	FAX:
	E-MAIL:
Representative:	Title:

COMPANY NAME & ADDRESS	
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	FAX: 757-229-2463
	E-MAIL:
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JCSA	PH: 757-592-3794
	FAX:
	E-MAIL:
Representative: Michael Spretzel	Title: RO Plant Supervisor
JCSA	PH: 592-6797
	FAX:
	E-MAIL:
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JCSA	PH: 757 259-4098
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