CONSTRUCTION DRAWINGS
FOR THE
MORRIS BRIDGE REPUMP WEST GST
MODIFICATIONS

SECTION 23, TOWNSHIP 27 SOUTH, RANGE 19 EAST
TAMPA, HILLSBOROUGH COUNTY, FLORIDA

PREPARED FOR
CITY OF TAMPA

City of Tampa Water Department
306 E. Jackson Street, 4N
Tampa, FL 33602

ISSUED FOR BID

REI Project No. 0814

Elizabeth A. Broadway, P.E.
1335 W. Casar St., Tampa, FL 33606
(813) 251-9244 Fax (813) 251-9330

The bar has been electronically signed and sealed in accordance with Florida Statutes. The seal of the document is not considered a signature and the signature must be verified on site according to Florida Statutes.
CENTER VENT DETAIL

OVERFLOW DETAIL

ACCESS HATCH DETAIL
NOTE: ALL PIPE & ACCESSORY LOCATIONS TO BE FIELD VERIFIED.

TYPICAL EXTERIOR ELEVATION

TYPICAL INTERIOR SECTION

NOTES:
1. SEE SPECIFICATIONS FOR COATING MANUFACTURER AND COATINGS REQUIREMENTS.

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Figure 1. West MBPS GST Interior Facing South

Figure 2. West MBPS GST Interior Facing North

Figure 3. West MBPS GST Interior Concrete Walls
The interior tank wall had efflorescence along cracks in the concrete.

Figure 4. West MBPS GST Interior Dome
Concrete loss (spalling) in the interior dome has also occurred and has exposing steel mesh.

Figure 5. West MBPS GST Interior DIP Pipe
Corrosion on exposed, coated interior DIP pipe (with Fiberglass vortex breaker).

Figure 6. West MBPS GST Interior DIP Pipe
Corrosion on exposed, coated interior DIP pipe (with Fiberglass vortex breaker).

Figure 7. West MBPS GST Floor Drain
Issues were not seen on the existing floor drain.

Figure 8. West MBPS GST Interior Access Ladder Hatch
Corrosion on hardware.

Figure 9. West MBPS GST Secondary Interior Access Hatch
Possible rain leaks or minor concrete repairs.
Figure 16. West MBPS GST Dome Access Hatch, Handrails and Top of the Exterior Ladder Cage
Fiberglass dome access hatch, aluminum alloy handrails and top of the exterior galvanized steel ladder cage. The aluminum and galvanizing were in good condition. Hardware on the fiberglass access hatch was rotting. There was cracking on the hatch curb.

Figure 13. West MBPS GST North Manway
Cast steel manway frame and aluminum alloy manway cover. Coating was peeling from the frame and corrosion and pitting were found on the cover.

Figure 14. West MBPS GST Cast South Manway
Cast steel manway frame and aluminum alloy manway cover. Coating was peeling from the frame and corrosion and pitting were found on the cover.

Figure 15. West MBPS GST Exterior Ladder
The exterior galvanized steel ladder and climbing device are in good condition.

Figure 17. West MBPS GST Center Dome Vent
The center dome vent was in good condition with minor corrosion on metal vent supports and minor cracking on vent curb.

Figure 18. West MBPS GST Dome
Minor cracks on the dome.
Figure 19. West MBPS GST Interior Concrete Walls
The interior tank wall had efflorescence along cracks in the concrete.

Figure 20. West MBPS GST Interior DIP Pipe
Corrosion on an upper section of coated interior pipe.

Figure 21. West MBPS GST Interior Access Ladder
Issues were not seen on the existing access ladder.

Figure 22. West MBPS GST Interior Access Ladder
Issues were not seen on the existing access ladder.

Figure 23. West MBPS GST Perimeter Dome Vents
The perimeter dome vents were in good condition with minor cracking.

Figure 24. West MBPS GST Dome
Minor cracks on the dome.