

Quality Review Form

Project Name: 2025 Revision to the Hillsborough County Technical Specifications & Tech Manual **Review Date:** 2/10/2025 - 10/21/2025
Project Phase: Final **Reviewer/s:** Brian J. Lewis
Document: Technical Specifications / Lift Station Drawings **Project No.:** _____

INSTRUCTIONS: Critical issues may have a significant impact on rework, schedule, cost or risk and require immediate resolution. All comments need to be back-checked and approved by the reviewers.

Comments							
Comment No.	Submitter	Critical Issue	Originator		Reviewer	Reviewer	Categories
			From	Subject	Received	Size	
1	County	no	339001 2.6.2.5, 2.6.2.7, 2.7.13, 339002 R-1D, R-1E, Appendix D	Update reclaimed water meter assembly for golf course or 4" and larger commercial with telemetry. Updates include new SCADA communications hardware, manifold configuration, magmeter, and cellular communication.	bjl	bjl	
2	County	no	Add new exhibit, 333006 S-9C, 333002 3.5.3.1, 4.14.6	Create new wastewater exhibit that shows sacrificial tapping gate valve when plug valve installed at new interconnection.	bjl	bjl	
3	County	no	Add new exhibit 331002 W-3H, 331001 2.11	Create Water Dedicated Sampling Taps (DST) Exhibit and reference exhibit in tech specs.	bjl	bjl	
4	County	no	333003 4.6.4, 4.6.5, 4.6.6, All LS Mech Dwgs. M1, M3	Add chain link fencing option to wastewater lift stations.	bjl	bjl	
5	County	no	M1	Allow Polyurethane Sealant material at Lift Station expansion joints.	bjl	bjl	
6	County	no	W-9B, W-12A, S-9A, S-10, R-7, R-13A, 331001 4.3.13, 333002 4.3.14, 339001 4.3.13	Update the requirements for continuity testing and inspections to move access points into the valve pad including for hydrants. Test must be performed by a SUE firm or County locate team and witnessed by County inspection. Add call out for DIP sleeve between valve box and valve as required.	bjl	bjl	
7	County	no	Exhibits W-1A, W-1B, W-1G	Add additional concrete slab size detail for commercial water meter assemblies 2-inch and below. Minimum 12" clearance from the outside of slab to all around assembly and if 2 or more assemblies must have 18" clearance between assemblies.	bjl	bjl	
8	County	no	W-1A, W-1B, W-1C, W-2A, W-2B, R-1C, R1D	Identify the type of resilient /flexible expansion material to be installed in meter assembly concrete slabs between the pipe risers and pvc sleeves.	bjl	bjl	
9	County	no	W-1A, W-1B, W-1C, W1F, W-2A, W-2B, R-1C, R-1D	For water and reclaimed meter assemblies change height above slab to 18" Min to 24" Max. and add 2" clearance of slab above grade.	bjl	bjl	
10	County	no	W-12A, S-9A, and R13A	Correct wording for locating wire note 3 on W-12A, S-9A, and R13A from "insulated with" to "installed with an insulated".	bjl	bjl	
11	County	no	W-1C, 331001 4.9.6.6, Add Part 6.0	Master water meter assembly 3" and larger. Add note to exhibit and text to specs that WRD inspector and IMD meter team must witness test. Also add meter test verification form to be used to the tech specs Part 6.0.	bjl	bjl	
12	County	no	S-5, W-10, R-11	Add note to casing details jack and bore exhibits that if installing casing by open cut, Public Works must approve.	bjl	bjl	
13	County	yes	W-1F	Revise temporary construction backflow assembly (TCA).	bjl	bjl	
14	County	no	333001 5.1.15	Add required information on the screen for video inspection of gravity sewer pipe.	bjl	bjl	
15	County	no	3PH, 480V/25HP and 30-75HP, E-0.1	Expand electrical rack for duplex and triplex lift stations from 14' width to 15' for 25 HP and to 16' for 30 HP and up.	bjl	bjl	
16	County	no	R-15, S-15	Correct Note 1 for exhibits R-15 and S-15. R-15 should reference section 4.15, not 4.12. S-15 should reference 4.10 for 333001.	bjl	bjl	
17	County	no	331001 add 3.1.4, and 4.3.16, 333001 add 3.1.4, and 4.3.11, 333002 add 3.1.4 and 4.3.17, 339001 add 3.1.4 and 4.3.16	Add to specs: Pipe material manufacturer change only allowed at fittings for all pipe material types. Also for gravity sewer from MH to MH or fitting to fitting.	bjl	bjl	

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18	County	no	W-9A, R-8, S-11	Modify valve box and marker for paved areas exhibits for water, reclaimed and wastewater to show the required long skirt valve lids. Update images and call outs.	bjl	bjl	
19	County	no	331001 2.2.8, 333002 2.3.7, 339001 2.2.8	Clarify requirements for improvements requiring nearby out of spec water, wastewater, or reclaimed utilities to be replaced and/or relocated.	bjl	bjl	
20	County	no	333001, 3.3.7	Reword manhole cover and cone casting grade adjusting rings gravity wastewater spec to include expanded polypropylene (EPP) material along with cast iron, concrete and HDPE.	bjl	bjl	
21	County	no	331001, 2.8.5.7	Fire Hydrant lateral offset criteria for flush shoulder roadways: Add another FDOT table reference, 215.2.1.	bjl	bjl	
22	County	no	W-2A, W-2B	For dedicated fire service assembly exhibits, change note and call out to read an RPDA is required and use of any other backflow device requires a Design Exception from WRD.	bjl	bjl	
23	County	no	W-5A, W-5B, 331001 2.8.5.1, 2.8.5.2 and 2.8.5.5	Changed specs regarding hydrant pumper nozzle distance of 4' only from BOC, removed reference to FOC and miami curb. Also added hydrant clarification of distance requirement from hydrant top of nut to sidewalk, R/W, and property line.	bjl	bjl	
24	County	yes	M-1, 333003 2.10.2, add 2.10.5	Add minimum dimension of 10' from outside edge of lift station slab to outside edge of exiting below grade force main to lift station drawings and specs. Also locate force main away from electrical rack. Add isolation valve at R/W to grinder and infill on drawings.	bjl	bjl	
25	County	no	333003 4.2.1	Add requirement for contractor to submit proof of NPDES permit for dewatering before dewatering for wetwell install.	bjl	bjl	
26	County	no	W-3A, 331001 4.10.4	Add a minimum distance of 1-2' from the lot line for locating water services to tech specs and exhibit.	bjl	bjl	
27	Engineer	no	330524 throughout	Update Boring and Jacking specs per recommendations from consulting engineer.	bjl	bjl	
28	County	no	S-12A, S-12B, S-12C	Add note to sewer exhibits for ARV Vent box not to place in asphalt or concrete.	bjl	bjl	
29	County	no	S-12A, S-12B, S-12C, W-8B, W-8C, W-8D, R-6B, R-6C, R-6D	Add manhole frame and cover chimney section adjustment area to ARV vaults. Allow 4" max adjustment.	bjl	bjl	
30	County	no	S-13A, S-13B	Clarify standard wastewater lift station dimensions exhibit titles. Delete Duplex from S-13A and Grinder from S-13B titles.	bjl	bjl	
31	County	no	Added 333003, 2.1.5.6	Added note that if shrubs around the lift station fencing are approved by WRD, they must be trimmed to maintain a 2' clearance from the fence.	bjl	bjl	
32	County	no	Throughout	Change all references to wastewater "Pump Station" to "Lift Station". Updated County logo.	bjl	bjl	