

JCWSA WASTEWATER EXTENSION SYSTEM APPLICATION CHECKLIST - WASTEWATER LIFT STATIONS

Date: _____

Name of Project/Development: _____

JCWSA Application No: _____

Name of Developer: _____

Developer's Engineer: _____

Items A thru E To Be Checked By JCWSA Administrative Staff Prior to Review by JCWSA Engineering

No.	Description	Complete?			Comments
		Yes	No	N/A	
A.	Has this project received Preliminary Approval?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B.	Were Five (5) Sets of Construction Plans Submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Three Sets
C.	Completed <i>Wastewater Extension System Application</i> Attached To Each Planset?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D.	\$600 Pump Station Review Fee Included with Submittal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E.	Does this Project have any Gravity Sewer?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If "Yes", <i>SYSTEM APPLICATION CHECKLIST - GRAVITY SEWERS</i> also applies

Checked By: _____

Title: _____

Items 1 - 41 To Be Checked By JCWSA Engineering

No.	Description	Correct?			Comments
		Yes	No	N/A	
<i>PLANS GENERAL</i>					
1.	Are the Proposed Improvements Consistent with the JCWSA Master Plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Does the Pump Station Wetwell, Forcemain, or Electrical Service Need to be Upsized for Future Capacity?</i>
2.	Are the Plans & Specifications Signed and Sealed by a Georgia PE?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is the <i>Wastewater Extension System Application (WESA)</i> complete and correct?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is the Erosion, Sedimentation, & Pollution Control Plan Included?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Wetlands Certification & Floodplain Statements on Plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	"Call Before You Dig" Note on Plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Map Showing Drainage Basin Being Served By the Proposed Lift Station?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Overall Utility Plan w/10' Contours & Floodplain Limits Shown?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>PUMP STATION</i>					
9.	Site Buffer/Setback is Adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Security Fence and Site Lighting?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Access Road, Parking, and Turnaround is Adequate for Trucks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Gravel or Asphalt Pavement Shown Around Pump Station?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Pump Station Above 100 Yr. Floodplain?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Potable Water Service w/RPP Backflow Preventer (In Heated Enclosure) Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15.	Yard Hydrant or NPW Washdown Loop Shown?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16.	Station Firm Capacity \geq Peak Hour Influent Flow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17.	Wetwell Sized For Max. 4 Pump Starts per Hour + Storage at Peak Hour Flow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Storage Includes Gravity Pipeline Capacity to Low Overflow El. Check WW detention times at minimum flow.</i>
18.	Wetwell Sump Filleted to Prevent Deposition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
19.	NPSH and Vortexing Submergence Requirements Satisfied?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
20.	Wetwell Has Internal Lining for Corrosion Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21.	Buoyancy Calculations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22.	Gravity Sewer Entrance to Wetwell Configured to Prevent Pre-Rotation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23.	Wetwell Has Vent Pipe w/Birdscreen or Vented Hatch?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24.	Pumps Near BEP, Pass 3" Sphere, Minimum 4" (Suction & Discharge)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
25.	Restrained, Flexible Fittings Between Wetwell and Check Valve Vault? (Solid Slv.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26.	Pressure Gauge Prior To Each Check Valve? And on Discharge Header?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27.	Adequate Pipe Supports Near/Under Check Valves?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28.	Magnetic Flowmeter w/Bypass?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>For Stations Larger than 700 gpm</i>
29.	Motors Larger than 35 Hp Equipped with Soft Starts?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Evaluate Case by Case</i>
30.	Generator & ATS Sized to Start and Run Entire Station?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
31.	Control Panels are NEMA 4X SS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
32.	Electrical Appurt. Rated for NEC Area Classification?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
33.	Lightning Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>FORCEMAIN</i>					
34.	Minimum 4", DIP, Sized Per JCWSA Standard? (2.5 ft/sec \leq V \leq 6 ft/sec)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
35.	Tanker/Temporary Diesel Pump (Bypass) Connection Shown?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
36.	Sewage Air-Vacs at All High Points?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Long Forcemains Require Isolation Valves, Evaluate Case by Case</i>
37.	Protective Coating Inside Terminal Manhole?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
38.	F/M Discharge Configured for Minimal Turbulence at Terminal Manhole?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>Avoid Long Forcemain Terminating in Manhole Near Residences</i>
<i>MISCELLANEOUS</i>					
39.	Plan Details Match JCWSA Standards (Where Applicable)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
40.	Plan Notes, Callouts, Specifications, etc., Match JCWSA Standard Specifications?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
41.	<i>Other</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Checked By: _____

Title: _____