CHECKLIST FOR FORCE MAIN/LIFT STATION PERMIT

The following items must be addressed for each project that includes a wastewater force main or lift station:

ENGINEERING REPORT

___ An engineering report is required for all lift stations.
___ Average flow X 4 = minimum pump rate (justify lesser factor).
___ Show calculations for: ___ minimum 2 fps force main velocity ___ Cycle times ___ station flotation
___ Flooding requirements (100 year flood elevation provided).
___ Pump curve provided.

PLANS

___ Duplex pumps required; ___ Grinder pumps specified for force mains less than 4”.
___ Separate valve pit with check and gate valves. ___ valve pit has proper drainage
___ Emergency pumpout connection.
___ Wetwell vented (vent is screened) ___ wetwell bottom is sloped to pumps (1:1 fillet)
___ Emergency generator receptacle provided ___ control panel grounded
___ Phase protection (where applicable) ___ lightning arrestors ___ surge protection
___ Automatic alternating start circuit
___ High water warning light ___ audible alarm ___ telemetering system
___ Hose bibb has RPZ backflow protection, USC approved
___ Thrust blocks or mechanical restraint on force mains ___ air release valve on force main (if required)
___ Grease trap detail (if required)
___ Lockable fence provided; locks on ___ control panel, ___ wetwell ___ valve pit

PRIVATE LIFT STATION REQUIREMENTS

Notice must be posted on the lift station panel indicating the following:

a. Name and phone number to contact in case of emergency.

b. Name and phone number of septic tank or maintenance company to call for pump-out in case of overflow.

A service contract with a maintenance or septic tank company in case of pump failure or overflow is required.

An inspection by the Health Department is required prior to release for service.

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