



## Certification Form for Detention/Water Quality Basin

Project Name: Compark Village South Filing No.1  
 Project Description: Regional Detention Basin  
 Date: August 5, 2022

THIS DOCUMENT MUST BE PREPARED, SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

Description	Design	As-Constructed	Notes/Comments
EURV Volume (Including WQCV)	4.74 acre-ft	4.71 acre-ft	
EURV Water Surface Elevation	5794.14	5794.03	
100-Year Volume	8.90 acre-ft	8.81 acre-ft	
100-Year Water Surface Elevation	5796.75	5796.60	
EURV Weir Elevation	5794.14	5794.08	
Bottom Width of EURV Weir	30.84 ft	30.84 ft	Weir length equals total length of box opening
Water Quality Plate Configuration (Rows/Quantity/Size)	4	4	
Lowest Water Quality Hole Elevation	5787.33	5787.33	
Invert Elevation of Outlet Structure Outlet Pipe	5787.10	5786.80	
Outlet Pipe Orifice Size (Diameter for circular orifice and height from pipe invert for plate orifice)	20 in	20 in	
Emergency Spillway Crest Elevation	5797.0	5797.45	
Emergency Spillway Crest Length	152 ft	150 ft	
Emergency Spillway Crest Depth	0.56 ft	0.57 ft	
Emergency Spillway Capacity (With 1 foot min freeboard)	186 cfs	183.55 cfs	

Ricky J. Moore, PE

Printed Name

30877

P.E. #

Signature

