



Certification Form for Detention/Water Quality Basin

Project Name: Compark Village South Filing No.1
 Project Description: Water Quality Basin East
 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)	0.23 acre-ft	0.18 acre-ft	
EURV Water Surface Elevation	5870.39	5870.75	
100-Year Volume	acre-ft	acre-ft	
100-Year Water Surface Elevation			
EURV Weir Elevation	5870.69	5871.06	
Bottom Width of EURV Weir	17.18 ft	17.18 ft	Weir length equals total length of box opening
Water Quality Plate Configuration (Rows/Quantity/Size)	6	6	
Lowest Water Quality Hole Elevation	5867.77	5868.20	
Invert Elevation of Outlet Structure Outlet Pipe	5866.61	5866.85	
Outlet Pipe Orifice Size (Diameter for circular orifice and height from pipe invert for plate orifice)	18 in	18 in	
Emergency Spillway Crest Elevation	5870.69	5872.25	
Emergency Spillway Crest Length	25 ft	40 ft	
Emergency Spillway Crest Depth	3.11 ft	1.25 ft	
Emergency Spillway Capacity (With 1 foot min freeboard)	229.87 cfs	55.77 cfs	

Ricky J. Moore, PE

Printed Name

30877

P.E. #

Signature

