



Certification Form for Detention/Water Quality Basin

Project Name: Compark Village South Filing No.1
 Project Description: Water Quality Basin West
 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)	<u>0.16</u> acre-ft	<u>0.18</u> acre-ft	
EURV Water Surface Elevation	<u>5870.39</u>	<u>5870.75</u>	
100-Year Volume	<u> </u> acre-ft	<u> </u> acre-ft	
100-Year Water Surface Elevation	<u> </u>	<u> </u>	
EURV Weir Elevation	<u>5870.69</u>	<u>5871.06</u>	
Bottom Width of EURV Weir	<u>17.18</u> ft	<u>17.18</u> ft	Weir length equals total length of box opening
Water Quality Plate Configuration (Rows/Quantity/Size)	<u>6</u>	<u>6</u>	
Lowest Water Quality Hole Elevation	<u>5867.77</u>	<u>5868.20</u>	
Invert Elevation of Outlet Structure Outlet Pipe	<u>5866.61</u>	<u>5866.85</u>	
Outlet Pipe Orifice Size (Diameter for circular orifice and height from pipe invert for plate orifice)	<u>18</u> in	<u>18</u> in	
Emergency Spillway Crest Elevation	<u>5870.69</u>	<u>5872.25</u>	
Emergency Spillway Crest Length	<u>25</u> ft	<u>40</u> ft	
Emergency Spillway Crest Depth	<u>3.11</u> ft	<u>1.25</u> ft	
Emergency Spillway Capacity (With 1 foot min freeboard)	<u>229.87</u> cfs	<u>55.77</u> cfs	

Ricky J. Moore, PE

Printed Name

30877

P.E. #

8-5-22

Signature