



## Certification Form for Detention/Water Quality Basin

Project Name: Compark Village South F1-Belford Ave Site Plan Amd  
 Project Description: Detention Basin  
 Date: November 17, 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>0.98</u> acre-ft	<u>0.98</u> acre-ft	
EURV Water Surface Elevation	<u>5780.04</u>	<u>5779.37</u>	
100-Year Volume	<u>1.39</u> acre-ft	<u>1.54</u> acre-ft	
100-Year Water Surface Elevation	<u>5781.20</u>	<u>5780.91</u>	
EURV Weir Elevation	<u>5780.04</u>	<u>5780.25</u>	
Bottom Width of EURV Weir	<u>17.17</u> ft	<u>17.17</u> ft	Weir length equals total length of box opening
Water Quality Plate Configuration (Rows/Quantity/Size)	<u>1 Row 3 ~1 5/16" Holes</u>	<u>1 Row 3~1 1/2" Holes</u>	
Lowest Water Quality Hole Elevation	<u>5773.83</u>	<u>5773.87</u>	
Invert Elevation of Outlet Structure Outlet Pipe	<u>5773.70</u>	<u>5773.64</u>	
Outlet Pipe Orifice Size (Diameter for circular orifice and height from pipe invert for plate orifice)	<u>10</u> in	<u>10</u> in	
Emergency Spillway Crest Elevation	<u>5782.40</u>	<u>5782.42</u>	
Emergency Spillway Crest Length	<u>20</u> ft	<u>20</u> ft	
Emergency Spillway Crest Depth	<u>0.56</u> ft	<u>0.56</u> ft	
Emergency Spillway Capacity (With 1 foot min freeboard)	<u>35</u> cfs	<u>35</u> cfs	

Gary T. Iwata, PE  
Printed Name

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P.E. #

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Signature