



August 5, 2022

Town of Parker
 Department of Public Works and Engineering
 20120 E Mainstreet
 Parker, CO 80138
 Attn: Tom Williams, PE

Re: Compark Village South Filing No. 1
 Detention Basin As-Built Certification

Dear Tom,

Based upon a field survey as shown on the Record Drawings signed and stamped by myself on August 5, 2022 the Compark Village South Filing No. 1 regional detention basin and water quality basins have been constructed in reasonable conformance with the design intent as prepared by Manhard Consulting, dated December 2015, last revised September 2020.

A comparison of the design criteria and the as-built conditions is outlined below:

Regional Detention Basin

	Min. Design Volume (ac-ft)	Design Elevation (ft)	As-Constructed Elevation (ft)	As-Constructed Volume (ac-ft) at Constructed Elevation	Comments
EURV	4.74	5794.14	5794.03	4.71	In Conformance
100 yr Volume	8.90	5796.75	5796.60	8.81	In Conformance

The inverts of the storm sewer leaving the pond outfall structure, as well as, the sizes and inverts of the restrictor plate orifices and the orifice leaving the outfall structure were found to be in substantial conformance. The emergency overflow was also verified.

West Water Quality Basin

	Min. Design Volume (ac-ft)	Design Elevation (ft)	As-Constructed Elevation (ft)	As-Constructed Volume (ac-ft) at Constructed Elevation	Comments
EURV	0.16	5870.69	5870.75	0.18	In Conformance

The inverts of the storm sewer leaving the pond outfall structure, as well as, the sizes and inverts of the restrictor plate orifices and the orifice leaving the outfall structure were found to be in substantial conformance. The emergency overflow was also verified.

East Water Quality Basin

	Min. Design Volume (ac-ft)	Design Elevation (ft)	As-Constructed Elevation (ft)	As-Constructed Volume (ac-ft) at Constructed Elevation	Comments
EURV	0.23	5870.00	5869.64	0.24	In Conformance

The inverts of the storm sewer leaving the pond outfall structure, as well as, the sizes and inverts of the restrictor plate orifices and the orifice leaving the outfall structure were found to be in substantial conformance. The emergency overflow was also verified.

Based upon the information provided by the survey, to the best of my knowledge, belief and opinion, the drainage facility was constructed in substantial conformance with the design intent of the accepted drainage report and construction drawings.

Please contact me at 303-531-3500 if you have any questions or require additional information.

Sincerely,

Manhard Consulting, Ltd.



Rick J. Moore, PE
Engineering Manager
For and On Behalf of Manhard Consulting, Ltd.

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