

October 31, 2023



JR ENGINEERING

El Paso County
Development Services Division
2880 International Circle
Colorado Springs, CO 80910

RE: Cloverleaf Filing 2 – Pond 1 Rock Chute and Basin, Pond 2 Spillway Analysis and Justification

The EPC PA punchlist from the 7-13-2023 site walk identified that the Pond 1 Rock Chute/Basin and the Pond 1 Spillway geometry required further engineering review of the as-built condition and engineer of record acceptance of the as-built condition.

With regard to the rock chute entry at the east side of Pond 1, the as-built condition eliminated the rip-rap basin. In JR Engineering's opinion, the as-built rock chute entry will function adequately without the basin since the rock chute slope softens from 25% to approximately 5% and the rock chute directly connects to the 7 ft. wide concrete trickle channel.

With regard to the spillway geometry for Pond 2, JR Engineering's design called for a 45 ft. wide weir length at the spillway crest which then tapers as the spillway traverses down the slope towards White Clover Drive. In JR Engineering's opinion, the as-built Pond 2 spillway will function adequately if the pond ever finds itself in an overtopping conditions.

Respectfully submitted,

JR ENGINEERING, LLC

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