

P.O. Box 3901
Eagle, Colorado 81631

**YARNELL CONSULTING &
CIVIL DESIGN, LLC**
(970) 323-7008 • 9/13/2022

229 Midland Ave.
Basalt, Colorado 81621

Chad Phillips, Town Planner
Town of Eagle
P.O. Box 609
Eagle, Colorado 81631

Subject: Third Street Parcel (Eagle Valley Elementary & Middle Schools Subdivision)
Drainage Memo

Chad:

Habitat for Humanity Vail Valley (HFHVV) has contracted Yarnell Consulting & Civil Design, LLC (YCCD) to design the grading, drainage, and utility elements of the proposed housing development on an approximately 2.3-acre parcel at the westerly limits of the Eagle Valley Elementary and Middle Schools Subdivision in the town of Eagle. The project is slated to include a shared access driveway, private parking, landscaping, and utilities as part of an eight-duplex, 16-unit development. Per the town of Eagle *Public Works Manual*, new development is to “restrict site drainage to a rate no greater than the historical rate, before development, for the 25-year storm, or shall include development of a storm drainage system to convey runoff water to a site approved by the town.”

As shown on the civil engineering drawings, it is proposed to capture runoff from all impervious roof and pavement areas either via below-grade piping and storm sewer structures, or overland via swales. The drainage will then be conveyed to a proposed detention and water quality pond in the southwesterly quadrant of the site. We have run preliminary calculations to confirm the proposed pond is of adequate size. All proposed storm sewer infrastructure will be privately owned and maintained.

We look forward to further discussion regarding this matter over the course of the development permit review. As part of a future grading permit submission, we will provide a drainage report with substantially more information included. If necessary, pipe sizes will be adjusted after completion of a more detailed drainage analysis for the building permit.

Sincerely,



Justin J. Yarnell, PE
Colorado PE Number 47241