CROSSROADS CHAPEL – DRAINAGE MEMO

840 Northgate Boulevard
Colorado Springs, CO

COM2522

Prepared for:

CROSSROADS CHAPEL, SBC
Terry Etnyre
840 Northgate Boulevard
Colorado Springs, CO 80921
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8/6/2025

Prepared by:
Dole Grebenik, P.E.
Email Dole@sigdevpro.com

Design Engineer's Statement:

The attached drainage plan and report were prepared under my direction and supervision and are correct to the best of my knowledge and belief. Said drainage report has been prepared according to the criteria established by the County for drainage reports and said report is in conformity with the applicable master plan of the drainage basin. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparing this report.

Dole Grebenik

Dole Grebenik, P.E. #41190

8/6/2025
Date

Owner Statement:

I, the owner, have read and will comply with all of the requirements specified in this drainage report and plan.

Terrance Etnyre

Terry Etnyre
Crossroads Church
840 Northgate Blvd
Colorado Springs, CO 80921

9/8/25
Date

El Paso County:

Filed in accordance with the requirements of the Drainage Criteria Manual, Volumes 1 and 2, El Paso County Engineering Criteria Manual and Land Development Code as amended.

Daniel Torres, P.E.

Digitally signed by Daniel Torres, P.E.
Reason: Authorized signatory as County Engineer designee
Date: 2025.09.30 07:38:15-06'00'

County Engineer / ECM Administrator

9/30/2025
Date

Conditions:

Introduction:

Crossroads Church is completing improvements that the county previously approved. In performing that work, asphalt millings were placed on and around the site to facilitate access to the NW portions of the existing buildings. This memo is intended only to analyze MS4 stormwater criteria pertaining to the additional work, specific to the asphalt millings, that was not included in PPR2135.

Per the El Paso County Drainage criteria, any development plan that increases a site's imperviousness to a total of 20% or more must create a PCM and get an ESQCP for stormwater management and water quality. This memo is intended to demonstrate that even with the addition of the asphalt milling parking area (shown in red), the site's total imperviousness did not increase above the 20% threshold and did not trigger the PCM and ESQCP requirements.

Below is a map showing the two areas where new asphalt millings were placed. The placement of the millings represents the only change between the current and proposed conditions. The red area represents where the asphalt millings will stay, while the aqua area represents the stockpile the owner will remove and clean up. Once the aqua area is cleaned of millings, it will be evaluated for any needed soil amendments, then restored and revegetated with native seed.

Surface runoff from the increased imperviousness on the site (area shown in red) will not adversely impact neighboring or downstream properties.

Using 90% imperviousness of asphalt millings (red area), of 0.59 ac, results in the following changes from Current to Proposed conditions, as shown in the following tables:

Current Conditions

Land Use Type	Area (ac)	% Impervious	Effective Impervious Area (ac)
Buildings	0.41	100%	0.41
Parking/Driveway (paved)	0.90	100%	0.90
Parking/Driveway (millings)	-	90%	0.00
Undeveloped Area (Pasture/Meadow)	8.69	0%	0.00
Total	10.00	---	1.31
Total Effective Imperviousness			13%

Proposed Conditions

Land Use Type	Area (ac)	% Impervious	Effective Impervious Area (ac)
Buildings	0.41	100%	0.41
Parking/Driveway (paved)	0.90	100%	0.90
Parking/Driveway (millings)	0.59	90%	0.53
Undeveloped Area (Pasture/Meadow)	8.10	0%	0.00
Total	10.00	---	1.84
Total Effective Imperviousness			18%

Before the millings were placed, the Existing Condition had a total effective imperviousness of 13%.

After placing the millings, the total effective imperviousness increased by 5%, to 18%. This confirms that the site's imperviousness is not above 20% and a PCM and ESQCP are unnecessary.