El Paso County

Department of Public Works

Attn: Shannon Mustoe

(719) 464-0108

PCM CERITIFCATION LETTER FOR **ROCKYTOP MOTEL & CAMPGROUND**

El Paso County Department of Public Works,

The site is Rockytop Motel & Campground. The project was to provide water quality treatment for disturbed & paved areas that were previously untreated. To provide the necessary water quality treatment, a series of grass buffers were proposed throughout the site. This letter addresses the as-built condition of the Runoff Reduction Areas.

Runoff Reduction Area #1 – An existing vegetated & stabilized receiving pervious area (RPA). Based upon site visit on 10/05/2026, Runoff Reduction Area #1 remains vegetated and functional.

Runoff Reduction Area #2 – A proposed RPA of 9,583 square feet was established based upon site visit on 10/05/2026 and is functioning as intended.

Runoff Reduction Area #3 – A proposed RPA of 5,186 square feet was constructed at ~6,525 square feet based upon site visit on 10/05/2026. The additional area provides additional water quality treatment and is acceptable. Additionally, a riprap rundown and level spreader were installed along the eastern edge of the RPA where stormwater enters. The riprap rundown functions to slow stormwater velocity prior to discharging to the RPA and is acceptable. The level spreader allows stormwater to enter the RPA as sheet flow rather than concentrated flow. Sheet flow promotes better infiltration and assists the RPA function.

Runoff Reduction Area #4 – An existing vegetated & stabilized receiving pervious area (RPA). Based upon site visit on 10/05/2026, Runoff Reduction Area #4 remains vegetated and functional.

The site and adjacent properties (as affected by work performed under the County permit) are stable with respect to settlement and subsidence, sloughing of cut and fill slopes, revegetation or other ground cover, and that the improvements (public improvements, common development improvements, site grading and paving) meet or exceed the minimum design requirements. The runoff reduction areas provide the required area as documented by the attached revised MHFD-Detention spreadsheet that shows the as-built conditions.

Respectfully submitted,

COLORADO LICENSED NICHOLAS QUINN JOKERST PE0059273 PROFESSIONAL ENGINEER

10/27/26

NICHOLAS JOKERST, PE

All Terrain Engineering LLC

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530.391.7635

Runoff Reduction Area #1



Runoff Reduction Area #2



Runoff Reduction Area #3, level spreader & riprap rundown







Runoff Reduction Area #4



COLORADO SPRINGS, CO 80907
203.577.8656 ~ 530.391.7635

Design Procedure Form: Runoff Reduction

UD-BMP (Version 3.07, March 2018) **Sheet 1 of 1**

Designer: NQJ
Company: ALL TERRAIN ENGINEERING
Date: October 7, 2026
Project: ROCKYTOP MOTEL & CAMPGROUND
Location: EL PASO COUNTY

AsBuilt Dimensions

SITE INFORMATION (User Input in Blue Cells)

WQCV Rainfall Depth: 0.60 inches
Depth of Average Runoff Producing Storm, d_6 = 0.43 inches (for Watersheds Outside of the Denver Region, Figure 3-1 in USDCM Vol. 3)

Area Type	UIA:RPA	UIA:RPA	UIA:RPA	UIA:RPA	DCIA							
Area ID	RRA #1	RRA #2	RRA #3	RRA #4	DCIA #1							
Downstream Design Point ID	1	2	3	4	5							
Downstream BMP Type	None	None	None	None	None							
DCIA (ft^2)	--	--	--	--	7,840							
UIA (ft^2)	8,892	19,211	12,009	13,503	--							
RPA (ft^2)	4,879	9,583	6,525	7,546	--							
SPA (ft^2)	--	--	--	--	--							
HSG A (%)	0%	0%	0%	0%	--							
HSG B (%)	0%	50%	50%	0%	--							
HSG C/D (%)	100%	50%	50%	100%	--							
Average Slope of RPA (ft/ft)	0.100	0.110	0.100	0.100	--							
UIA:RPA Interface Width (ft)	42.00	233.00	81.00	22.00	--							

CALCULATED RUNOFF RESULTS

Area ID	RRA #1	RRA #2	RRA #3	RRA #4	DCIA #1							
UIA:RPA Area (ft^2)	13,771	28,794	18,534	21,049	--							
L / W Ratio	7.81	0.53	2.82	16.00	--							
UIA / Area	0.6457	0.6672	0.6479	0.6415	--							
Runoff (in)	0.09	0.06	0.05	0.07	0.50							
Runoff (ft^3)	99	138	73	119	327							
Runoff Reduction (ft^3)	271	662	427	444	0							

CALCULATED WQCV RESULTS

Area ID	RRA #1	RRA #2	RRA #3	RRA #4	DCIA #1							
WQCV (ft^3)	371	800	500	563	327							
WQCV Reduction (ft^3)	271	662	427	444	0							
WQCV Reduction (%)	73%	83%	85%	79%	0%							
Untreated WQCV (ft^3)	99	138	73	119	327							

CALCULATED DESIGN POINT RESULTS (sums results from all columns with the same Downstream Design Point ID)

Downstream Design Point ID	1	2	3	4	5							
DCIA (ft^2)	0	0	0	0	7,840							
UIA (ft^2)	8,892	19,211	12,009	13,503	0							
RPA (ft^2)	4,879	9,583	6,525	7,546	0							
SPA (ft^2)	0	0	0	0	0							
Total Area (ft^2)	13,771	28,794	18,534	21,049	7,840							
Total Impervious Area (ft^2)	8,892	19,211	12,009	13,503	7,840							
WQCV (ft^3)	371	800	500	563	327							
WQCV Reduction (ft^3)	271	662	427	444	0							
WQCV Reduction (%)	73%	83%	85%	79%	0%							
Untreated WQCV (ft^3)	99	138	73	119	327							

CALCULATED SITE RESULTS (sums results from all columns in worksheet)

Total Area (ft^2)	89,988
Total Impervious Area (ft^2)	61,455
WQCV (ft^3)	2,561
WQCV Reduction (ft^3)	1,805
WQCV Reduction (%)	70%
Untreated WQCV (ft^3)	756