

Parker Adventist Hospital – Salt Shed



May 22, 2020

Town of Parker
 Engineering Development Review
 20120 East Main Street
 Parker, CO 80138

Denver

Abu Dhabi

RE: Parker Adventist Hospital – Salt Shed

Civil
 Structural
 Integrated Services

To whom it may concern,

This letter serves as a Drainage Conformance Letter for the Parker salt shed addition at the Parker Adventist Hospital. This letter references the Final Drainage and Erosion Control Report for the Parker Adventist Hospital, prepared by S. A. Miro, Inc., dated May 1, 2002. The latest update to the report was for the Parking Lot A, prepared by S. A. Miro, Inc., dated March, 2018.

The purpose of this letter is to demonstrate the existing storm sewer facilities serving the improvements for the Parker Adventist Hospital can convey the runoff generated by the proposed salt shed. The salt shed and driveway has an impervious footprint of approximately 800 sf, generating a negligible amount of runoff. Stormwater generated by this project is tributary to the on-site Southwest pond, which has capacity available for all runoff generated by the salt shed. The receiving pond was designed to treat runoff for water quality, in addition to detention storage. The Southwest pond has available capacity to treat any runoff generated from the proposed site. The water quality BMPs provided onsite and in the Southwest pond meet or exceed the requirements listed under Tier 2 criteria located in the Town of Parker *Storm Drainage and Environmental Criteria Manual section 8.3.2.1*. The table below displays the existing, proposed, and required volumes for the South and Southwest pond. Existing indicates pond volumes in the current condition, where proposed will be the future volumes provided post construction of the parking lot and Pond renovations.

Parker Adventist Hospital On-site Pond Volumes

POND	EXISTING		REQUIRED		EXCESS	
	WQ	100-YR	WQ	100-YR	WQ	100-YR
Southwest	0.47	3.54	0.23	1.98	0.24	1.56

Please call us if you have any questions.
 Sincerely,

Jason D. Carr, P.E.
 Associate Principle