



Job No. MSV-24-002

Date: July 25, 2024

Jurisdiction

City of Las Vegas Public Works
500 S. Grand Central Parkway
Las Vegas, NV 89155

Update to the Technical Drainage Study for Racel & Tenaya DS-1505

To whom this may Concern

We are submitting this Technical Drainage Study Update for Racel & Tenaya to show the minor revisions that were made to the improvement plans did not impact the drainage flow and pattern; the study remains the same as approved on May 14, 2019 and later updated and approved on February 27, 2024. In this update, Lot 10 finished floor was raised, the flow lines for Lots 6-10 were raised, and lastly, the concrete flume along the southern edge of the site has been raised. Below we discuss these changes and provide calculations in the Appendix.

Raised finished floor

Lot 10 was the only finished floor that was revised. In the approved study the finished floor elevation was 2396.97 feet and is now being raised to 2400.07 feet. No changes were made to Golden Rock Court, the private road adjacent to Lot 10, and so the finish floor still remains at least twice the depth of flow above the flow line in accordance with HCDDM.

Raised Flow Lines

For the flow lines of Lots 6-10, the high points were raised. In accordance with HCDDM standards, the finished floors remain at least 8-inches above the raised high points. Refer to the table below and grading plan.

Lots	Finished Floor (ft)	High Point (ft)	Minimum Finished Floor (ft)	Meet Criteria
6	2397.40	2396.73	2397.39	Yes
7	2398.07	2397.40	2398.06	Yes
8	2399.17	2398.50	2399.16	Yes
9	2400.07	2399.40	2400.06	Yes
10	2400.07	2399.40	2400.06	Yes
Minimum Finished Floor = Finished Floor + 8-inches				
Criteria = Finished Floor > Minimum Finished Floor				