

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM			DATE: March 13, 2025		
TO: Land Development Services Department of Community Development – Building & Safety Division			FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works		
SUBJECT: Drainage Study for: Summerlin Village 28 - Phase 1 Rough Grading			COPIES TO: GCW, Inc.		
Cross Streets: NWQ of Alta Drive & Crossbridge Drive			Howard Hughes Company, LLC		
File Number: F:\Depot\DSMemos\DS5842A.doc			Lucien Paet, P.E., DevCo		
Parcel Number: 137-28-101-008 & more			CCRFCD		
Zoning Action: N/A					
FEMA Flood Zone					
YES			NO X		
Proposed Storm Drain			YES		
			NO X		

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	2/19/2025	3/13/2025	See Comments Below	\$400.00	6121994: \$400
TOTAL FEES (LDDRS):				\$400.00	----

REMARKS:

The Drainage Study for the subject project has been reviewed and:

	is approved subject to conformance to all City standards and the following conditions:
X	must be resubmitted or supplemented including the following:
	is conditionally approved subject to Clark County Regional Flood Control District concurrence.
	is conditionally approved subject to Clark County Public Works Department concurrence.

1. The site is adjacent to or crosses an existing or proposed *Clark County Regional Flood Control District* (CCRFCD) master planned facility. Therefore, CCRFCD concurrence is required prior to final approval of the drainage study.

Please note that effective March 15, 2019, the CCRFCD adopted new requirements for drainage study concurrence submittal. Follow the link below for specific guidance.

<http://gustfront.ccrfcd.org/LandDev/LandDev.aspx>

2. **Figure 5 (Interim Condition Drainage Map):** It is understood that OFF1A generates 126 cfs and conveys in CH3 along the rough graded south side of Alta Drive. However, it is not clear how the flows from OFF1B (112 cfs) combine with the channel flow in CH3. Furthermore, it is also unclear how the combined flow of 126 cfs + 112 cfs = 238 cfs combine with the flow from OFF1C (102 cfs), a total of 340 cfs drains to DB #5.

To the reviewer's observation, it appears that the 340 cfs is conveying within an existing swale about 100' to 200' away from the rough graded *Alta Drive* which will eventually turn back crossing *Alta Drive* at *Hydraulic Section 4* into DB #5 at *Inflow Point 1*.

If this is correct, clearly identify the existing swale and provide some flow arrows in the next submittal.

3. In OFF2 basin, the flows from OFF2C (114 cfs) after crossing *Alta Drive* combines with OFF2E (43 cfs) appear to hit CH2. However, in the *Interim Condition 100-Year Hydraulic Summary* table, OFF5A is shown as the tributary source, the subsequent slope, Q, depth and velocity values are all wrong. Review and revise accordingly.
4. *Detention Basin 5 Inflow Summary Table*: The tributary basin for *Inflow Point 4* is OFF5B, not OFF2B as stated.
5. *Hydraulic Sections 1 to 8* will all have erosive 100-year flow passing through. Provide erosion protection at all low point crossings in the rough graded *Alta Drive, Park Drift Trail* and *Grand Park Boulevard*. Revise all pertinent grading plans accordingly.
6. In **PP15**, an existing 54"-RCP has been wrongly labeled as "EX 7'x7' RCB SD" in the profile panel. Review and revise accordingly.

***** The City of Las Vegas Flood Control is standardizing the file naming of drainage studies and plans during the digitizing process. When saving the project files in the CD or thumb drive, please follow the system below:**

If drainage study only contains one combined file, use the following naming convention in Document Title:

1st Submittal DS and Plans (for first and original submittal);

2nd Submittal DS and Plans (for second submittal (addendum #1)) etc.

If drainage study contains multiple files, use the following naming convention in Document Title:

1st Submittal DS (for the report of the drainage study)

1st Submittal Plan 1 (could be the drainage condition maps)

1st Submittal Plan 2 (could be the improvement plans) etc.

NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the *Nevada Division of Environmental Protection* a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

NOTE: Any future changes to the proposed design (or design assumptions) as outlined in the approved drainage study and attached preliminary grading plan which affect drainage must be addressed in a Drainage Study Update and accepted by the *City of Las Vegas Flood Control Section*. Additionally, final approval of a drainage study is valid for a period of one (1) year. If the proposed construction has not been completed in that time period, the *City of Las Vegas* reserves the right to require additional conditions and/or submission and acceptance of a complete drainage study update prior to further construction of a project.

END OF REMARKS
AYS

T/R/S: T20S/R59E/28
AREA K-28