

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: June 13, 2024
TO: Land Development Services Department of Building & Safety		FROM: Tyler Key Flood Control Engineering Associate Department of Public Works
SUBJECT:	Drainage Study for:	COPIES TO:
Master Drainage Study for the Tributary Area to Detention Basin 4/5 and Village 24		Atkins
Cross Streets:	Meadow Run St & Alta Dr	Howard Hughes Company LLC
File Number:	F:\Depot\DSMemos\DS05773A.doc	CCRFCFCD
Parcel Number:		
Zoning Action:		
FEMA Flood Zone	YES	NO X
Proposed Storm Drain	YES X	NO

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	05/16/2024	06/13/2024	See Comments Below	\$400	5763691: \$400
TOTAL FEES (LDDRS):				\$400	----

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.

The following are comments pertaining to the subject site specific drainage study and grading plans:

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

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

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

2. The study is submitted as a Conceptual Drainage Study and should document the existing drainage condition and presents the details of the proposed drainage condition and preliminary drainage system. A Technical Drainage Study will be required to address the project development and detail hydraulics.

3. Per section 4.1 of the report, it seems like Village 28 is split into 28A and 28B and Village 32 is split into 32A and 32B. Reflect this information on all figures accordingly.
4. The project calls out "Detention Basin 4/5" when MPU information only shows "Detention Basin 5". Be consistent on naming. Make necessary revision according and throughout the report and exhibits.
5. Provide existing and interim condition flow rates in Table 5-1. Similar information/tables should also be shown on all provided exhibits.
6. There are two exhibits labeled **Figure 3.a**. Revise accordingly.
7. **Figure 1-2:** Show the limit of "Detention Basin 4/5" and "Village 24". Similar callouts should be reflected on all exhibits associated with these two design points.
8. **Figure 2-1:** Show a more legible boundary on soil type boundary.
9. **Figure 2-2:** Adjust callouts to better distinguish between sub-basin and point of interest.
10. **Figure 3a and 3b:** Include a summary table showing the preliminary proposed drainage facilities.
11. **Figure 4a to 4f:** There is no indication of "Inlet 1, 2 and 3" per the title on these figures.
12. **Figure 4d:** Facility 39 shows 218 cfs, but the downstream facility, Facility 40, only shows 30 cfs. Explain the reason for the discrepancy.
13. **Figure 4d:** Facility 54 shows two 6' by 6' RCB lines at 793 cfs flowing into Facility 56, which is only one 6' by 6' RCB. Explain where the rest of the flow is going.

***** 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

T/R/S: T21S,28S,32S,33S/R60E/
S12

AREA