

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: September 18, 2024
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: Las Vegas Academy – Phase 2A		COPIES TO: Kleinfelder
Cross Streets:	NEC of 7 th Street & Clark Avenue	Clark County School District
File Number:	F:\Depot\DSMemos\DS5799A.doc	Bart Anderson, P.E., DevCo
Parcel Number:	139-34-710-038; 139-34-710-039; 139-34-701-010 & 139-34-712-018	
Zoning Action:	22-0593-SDR1	
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 (Paid on 9/9/2024)	8/28/2024	9/18/2024	See Comments Below	\$400.00	5918279: \$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.

- Figure 8A:** For the two tables, “*Onsite Drainage Swale Analysis Interim (Phase 2A)*” and “*Interim Condition Finish Floor Analysis (Phase 2A)*”, clearly identify that they are for 100-year analysis.
- Sheet C3.01:** At the northwest corner of the PROPOSED STUDENT UNION BLDG, the elevation of the corresponding flow line in the concrete valley gutter is 0.04FL. The 100-year flow depth in the valley gutter is 0.27’, therefore the minimum finished floor for the proposed building must be at $2000.04 + 2 \times 0.27 = 2000.58$. Review and revise accordingly.
- Sheet C3.02:** Provide a typical cross section showing the *Existing Cafeteria*, the walkway and valley gutter and the *North Proposed Student Union Building*. It is important to illustrate how the walkway and the drainage facility between the two buildings drain.
- Sheet C3.02:** Provide a typical cross section showing the *Existing Gymnasium*, the *South Proposed Student Union Building* and the space in-between.
- Sheet C3.02:** Provide a typical cross section showing the *Existing Visual Arts*, the driveway and the *Proposed Student Union Building*.

6. **Sheet C3.02:** Provide cross section details at the east side of the Proposed North and South Student Union Buildings.
7. For the above Comments #2 to #6, address and verify that the proposed finished floor elevations are meeting the standard criteria.

***** 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/R61E/34
AREA M-34