

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: July 16, 2024
TO: Land Development Services Department of Community Development – Building & Safety Division		FROM: Tyler Key Flood Control Engineering Associate Department of Public Works
SUBJECT:	Drainage Study for:	COPIES TO:
	Helen Smith Elementary School Replacement	School Board of Trustees - CCSD
Cross Streets:	Lakehurst Rd. & Pinedale Ave.	Lochsa Engineering
File Number:	F:\Depot\DSMemos\DS05785A.doc	Bart Anderson, P.E., DevCo
Parcel Number:	138-34-202-001	
Zoning Action:	24-0213-SDR1; -MSP1	
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	6/26/2024	7/16/2024	See Comments Below	\$400	5820393: \$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 finish floors do not meet the Regional Flood Control District minimum criteria of twice the Q₁₀₀ depth of flow up to 18-inches above the water surface (CCRFCD Manual Section 304.4.E.1) or 6-inch minimum above the highest adjacent top of curb (CCRFCD Manual Section 1602 304.4.E.1). The following finish floors should be revised or alternate flood protection provided.

LOT	FF shown	Min FF
Prop Bldg. A	2460.00	2462.38

As an alternate each lot must be discussed in the drainage study, shown to be flood protected, and any necessary flood improvements shown on the grading plan.

- Explain how the 100 year flow was determined in *Pinedale Ave*. Provide a reference study or master study that shows the flow that is being used.
- For the western driveway, increase the height of the driveway hump to be at least 6” above the adjacent water surface elevation. The minimum TC of the west side of the driveway is 2464.48 and the minimum TC of the east side of the driveway is 2463.75. Review and revise accordingly.
- Sheet C3.01 & C6.01:** Label the rip-rap swale as a BMP swale.
- Sheet C3.01:** Provide a low point at the curb cuts of the BMP swale to help direct flow into the BMP swale.

6. **Sheet C3.01:** Remove the grade break line running through the proposed building.
7. **Sheet C3.01:** At the eastern driveway, there is a low point at the elevation labeled "58.18 TC." Review and revise accordingly.
8. **Sheet C3.02:** Describe and show how the 3' concrete valley gutter on the east side of the project site discharges into Pinedale Ave.
9. **Sheet C3.02:** Describe and show where the proposed storm drain discharges.
10. **Sheet C6.02:** The slope of the sidewalk in Section A does not match what is shown on the Grading Plan, Sheet C3.01. 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
TJK

T/R/S: T20S/R60E/S34
AREA L34