

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>		<b>DATE:</b> September 29, 2025
<b>TO:</b> Land Development Services Department of Community Development – Building & Safety Division		<b>FROM:</b> Jefferson Torrecampo, P.E. Flood Control Eng. Associate Department of Public Works
<b>SUBJECT:</b>	Drainage Study for:	<b>COPIES TO:</b>
	<b>Matt Kelly Elementary School</b>	KME Architects
<b>Cross Streets:</b>	J Street and Doolittle Avenue	Wood Rodgers, Inc.
<b>File Number:</b>	F:\Depot\DSMemos\DS5923A.doc	Lucien Paet, P.E., DevCo
<b>Parcel Number:</b>	139-21-703-006	
<b>Zoning Action:</b>		
<b>FEMA Flood Zone</b>	YES	NO <b>X</b>
<b>Proposed Storm Drain</b>	YES	NO <b>X</b>

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 <sup>st</sup> Submittal	9/17/2025	9/24/2025	See Comments Below	\$400.00	6400251: \$400
<b>TOTAL FEES (LDDRS):</b>				<b>\$400.00</b>	----

**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:
<b>X</b>	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.

- Provide a copy of the zoning/planning conditions associated with this site with the next submittal to verify compliance with conditions. *Flood Control* will not issue conditional approval of the drainage study without the associated zoning/planning conditions (issued by the *City Council*). Any associated conditions of approval that revise the site drainage parameters will require that the drainage study be revised and resubmitted.
- Sites with a grade difference of 2 feet above or below existing grades are required to have approval from the *City of Las Vegas Planning and Development Department*. The engineer must submit copies of the grading plans and detail sheet with a letter justifying the grade difference to the *City Planning Department* (702-229-6301). The engineer must provide *City Planning* approval with the next submittal.
- The 2005 Central Neighborhood Flood Control Master Plan shows an adopted flow of 1015 cfs during the 100-yr event street flow on Lake Mead Boulevard and J St. Provide flow split analysis for J St. at Lake Mead intersection.
- In HEC-1 10-yr storm events, Existing and Developed condition:
  - The area input values for Basins OF1 & OF7 do not match Standard Form 4. Please revise in the next submittal.
  - The CN input is missing on Basin OF3. Please revise HEC-1 model.
- Figures 7 & 8, Flow Summary:

- a. Flows calculated in HEC-1 for existing and developed conditions are equal. Please explain why the concentration point values in the summary table have a significant change.
  - b. Per referenced study, it is assumed CP4\*\* (Q100=227cfs) to flow east along Wyatt Ave and combined with basin OF4. However, in the summary table, OF4 shows Q100 = 40cfs. Please clarify in the next submittal.
  - c. Q10 values for OF2, OF3 & OF4 on the summary table do not match HEC-1.
  - d. In Figure 7, CP2, the tributary basin/concentration point is missing CP6.
  - e. In Figure 7, Label the hydraulic section on J Street.
  - f. In Figure 8, Correct the hydraulic section ID for DL2D on Doolittle Avenue.
6. Construction Note #18:
- a. On the grading plan, provide spot elevations on flood wall located at southwest corner of the proposed building.
  - b. Provide cross section and detail.
7. Provide cross sections at the property lines. Typical sections are to extend through a building finish floor, parking, drive isle, landscape area, perimeter wall, and property line. Show the existing and proposed improvements in the sections.
8. Please address the following comments on the Grading Plans:
- a. East of the proposed building, ponding will form downstream of BMP swale (FL 39.82). Provide positive drainage.
  - b. Southwest of the proposed building, by the sidewalk, adjust leader of construction note 2.
  - c. West of the proposed building, on sidewalk ramps, adjust leader of construction notes 5 & 6.
  - d. Provide street cross sections on J Street and Doolittle Avenue for us to verify hydraulic cross sections.
  - e. Update Grading Certification block to include drainage study number (DS5923).
9. Add Note #6 in the **Storm Water Management Notes** block in all pertinent grading plans with the following as *Standard Note #6*:
- Post-Construction BMPs (PCBMPs) / Control Measures noted on the Grading Plans are mandatory permanent regulatory stormwater pollution controls. These PCBMPs must be installed per the approved plans and must be permanently maintained.

**\*\*\* 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:**

**1<sup>st</sup> Submittal DS and Plans (for first and original submittal);**

**2<sup>nd</sup> Submittal DS and Plans (for second submittal (addendum #1)) etc.**

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

**1<sup>st</sup> Submittal DS (for the report of the drainage study)**

**1<sup>st</sup> Submittal Plan 1 (could be the drainage condition maps)**

**1<sup>st</sup> 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**

JRT

T/R/S: T20S/R61E/S21

AREA L-21