

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>		<b>DATE:</b> February 4, 2025
<b>TO:</b> Land Development Services Department of Building & Safety		<b>FROM:</b> Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
<b>SUBJECT:</b>	Drainage Study for:	<b>COPIES TO:</b>
<b>Vitality Resort Mixed Use</b>		DRC Surveying Nevada, Inc.
<b>Cross Streets:</b>	Grand Central Pkwy & W. Charleston Blvd	Union Pacific Railroad Company
<b>File Number:</b>	F:\Depot\DSMemos\DS05821B.doc	Lucien Paet, P.E., DevCo
<b>Parcel Number:</b>	139-33-810-003, -004	NDOT
<b>Zoning Action:</b>	23-0661-SUP1, 23-0661-VAC1, 23-0661-SDR1	
<b>FEMA Flood Zone</b>	YES NO <b>X</b>	
<b>Proposed Storm Drain</b>	YES <b>X</b> NO	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 <sup>st</sup> Submittal	11/21/2024	12/16/2024	See Comments Below	\$400	6020787: \$400
2 <sup>nd</sup> Submittal	1/16/2025	2/4/2025	See Comments Below	\$400	6080858: \$400
<b>TOTAL FEES (LDDRS):</b>				<b>\$800</b>	<b>----</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.

- Per Item #25 of 23-0661-SDR1 condition, Obtain an Occupancy Permit from the Nevada Department of Transportation (NDOT) for all improvements in the Charleston Boulevard public right-of-way adjacent to this site prior to constructing any improvements within NDOT jurisdiction.
- 2<sup>nd</sup> Request:** The drainage study needs to reference the 2005 CLV Central Neighborhood Flood Control Master Plan and identify any flow impacts. Per the Central Neighborhood Master Plan Figure E10 shows an adopted flow of 2457 cfs during the 100-yr event at Charleston Boulevard and I-15 going east. Provide hydraulic calculations to justify the proposed finish floor elevation meets the minimum requirement.

It is acknowledged that the Regional facilities at Charleston and I-15 collects some of the flows. Per a recent drainage study by WSP, they calculated there is 1604-cfs at the intersection of Charleston Blvd and Commerce St for the 100-yr storm. Please use 1604-cfs for Q100yr at Charleston Blvd and Grand Central Pkwy. Provide hydraulic calculations to justify the proposed finish floor elevation meets the minimum requirement.

- Provide hydraulic cross section for the proposed swale and the sidewalk underdrain along the west side of Building #1.

4. Figure 7 and 8: The proposed buildings and improvements are too light in color on this two exhibits. Revise on the next submittal.
5. Grading Plans: Clearly show all locations of the roof drain downspouts.
6. Grading Plans: Verify Detail II on sheet DT2, the northern half of the existing valley gutter should be sloping towards the south and the proposed wall? If this is the case, provide mitigation for the proposed wall.

**\*\*\* 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:** 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, conditional acceptance 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.

**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.

**END OF REMARKS**  
AYS/SF/JT

T/R/S: T20S/R61E/S33  
AREA M-33