

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>			<b>DATE:</b> August 1, 2023
<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>Almond Grove – Update #1</b>	L.R. Nelson Consulting Engineers
<b>Cross Streets:</b>	NWC of Sahara Avenue & Maryland Parkway		F E M LLC
<b>File Number:</b>	F:\Depot\DSMemos\DS5432E.doc		Bart Anderson, P.E., DevCo
<b>Parcel Number:</b>	162-03-812-002 & 162-03-812-003		CCRFCD
<b>Zoning Action:</b>	23-0036-SDR1; 23-0185-EOT1 & 23-0270-SDR1		CCPW
<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	3/25/2021	4/7/2021	Not Approved	\$400.00	4214664: \$400
2 <sup>nd</sup> Submittal	5/13/2021	5/25/2021	Conditional Approval	\$400.00	4288964: \$400
CCPW & CCRFCD	8/12/2021	8/18/2021	Concurrence Recv'd	N/C	N/C
3 <sup>rd</sup> Submittal	6/13/2023	7/10/2023	Not Approved	\$100.00	5313118: \$100
4 <sup>th</sup> Submittal	7/19/2023	8/1/2023	See Comments Below	\$400.00	5362534: \$400
<b>TOTAL FEES (LDDRS):</b>				<b>\$1,300.00</b>	<b>----</b>

**REMARKS:**

**3<sup>rd</sup> & 4<sup>th</sup> Submittals: Update #1 & Addendum for site layout revision**

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.

- 1. Previous Comment: Sheet C2.03:** *The hump provided in the driveway entrance at Sahara Avenue does not meet the freeboard requirement. The anticipated 100-year flow depth in Sahara is 1.14'. The hump must provide a minimum of 6" freeboard, ie, 6.40 FL (in Sahara) + 1.14' (flow depth) + 0.5' (freeboard) = 8.04 FL, whereas the TC at the hump shall be 8.54TC minimum. The proposed 7.7TC/HP is not adequate. Revise the high point on the east side of the driveway also accordingly.*

It is noted that the east side of the driveway had been humped to 8.54TC/HP. However, this caused the curb to be higher than the finished floor elevation of the adjacent "Future Circle K" building which is not acceptable. Raise the finished floor of "Future Circle K" building accordingly.

2. **Previous Comment: Sheet C6.01:** *Detail Sections H and I: Provide erosion protection measures such as riprap in the proposed berm facing the street. Provide sizing calculation for the riprap.*

**Sheet C6.01** was distinctively missing in the last submittal. Without C6.01, *Detail Sections H and I* cannot be verified for the required correction. Provide Sheet C6.01 in the next submittal.

**\*\*\* 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**  
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T/R/S: T21S/R61E/03  
AREA R-03