

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>			<b>DATE:</b> November 2, 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>Summerlin West V30A - Mountain Run Drive (Twilight Run Dr. to Park Drift Trail)</b>	Atkins
<b>Cross Streets:</b>	Park Drift Trail and Mountain Run Drive		Howard Hughes Company, LLC
<b>File Number:</b>	F:\Depot\DSMemos\DS5637C.doc		Bart Anderson, P.E., DevCo
<b>Parcel Number:</b>	137-21-701-002		CCRFCFCD
<b>Zoning Action:</b>	N/A		
<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	12/20/2022	1/17/2023	Not Approved	\$400.00	5079571: \$400
2 <sup>nd</sup> Submittal	6/21/2023	7/19/2023	Not Approved	\$400.00	5323698: \$400
3 <sup>rd</sup> Submittal	8/29/2023 & 10/9/2023	11/2/2023	See Comments Below	\$400.00	5414321: \$400
<b>TOTAL FEES (LDDRS):</b>				<b>\$1,200.00</b>	<b>----</b>

**REMARKS:**

**\*\*\* The Conditional Approval of this Drainage Study is to allow the engineer/developer to submit the Improvement Plans to City Land Development Only**

**\*\*\* Do not submit the Drainage Study to Clark County Regional Flood Control District (CCRFCFCD) prior to the Structural Design and Calculations being approved by the City Building & Safety Department**

The Drainage Study for the subject project has been reviewed and:

	is approved subject to conformance to all City standards and the following conditions:
	must be resubmitted or supplemented including the following:
<b>X</b>	is conditionally approved subject to Clark County Regional Flood Control District concurrence.

1. The project proposes to build temporary drainage facilities such as berms and swales along the west boundary of **Village 30A Parcel D**, along the north boundary of **Village 30A COS-1 & NP-1**, and along the west side of the proposed **Mountain Run Drive**. Prior to final plan approval the developer must complete a maintenance and liability agreement for the interim drainage improvements (off-site berms or swales) and post a minimum maintenance bond of \$50,000 or 50-percent of the construction cost for the improvements, whichever is greater. The engineer must submit an estimate of the quantities for constructing the facilities and an exhibit that adequately shows the location and limits of the drainage facility to *City of Las Vegas Flood Control* for approval. Once the drainage study is conditionally approved, the engineer should contact the *City's Land Development Section* (229-6371) to begin the agreement process.

In order for the maintenance bond to be released in the future, a drainage update / letter will be required to justify that the offsite berms / swales are no longer necessary and can be removed.

2. **This drainage study is acceptable in concept;** however, *City of Las Vegas* will not formally accept the study until the *Clark County Regional Flood Control District (CCRFCD)* has issued a letter of concurrence. The engineer should contact the CCRFCD to confirm that they have begun their review.

Please note that effective March 15, 2019, the CCRFCD adopted new requirements for drainage study concurrence submittal. Follow the link below for specific guidance.

<http://gustfront.ccrfcd.org/LandDev/LandDev.aspx>

3. The subject improvement is premised on the build-out of the dual 6'x6'-RCBs in *Park Drift Trail* downstream of the intersection at *Mountain Run Drive*. The subject improvement plans will not be approved prior to the posting of construction bonds for the above stated dual 6'x6'-RCBs in *Park Drift Trail*.
4. **Storm Drain Manholes (SDMH) #1 and #4** are special junction structures which need special structural design and calculations to be reviewed by the *City of Las Vegas Building & Safety Department*. Approval by the *Building Department* must be obtained prior to the final approval of the subject drainage study.
5. The proposed improvement plans show drainage facilities of a size that must be reviewed for Maintenance and Access concerns. The engineer must submit a separate set of improvement plans to *City of Las Vegas Streets & Sanitation Department* for their review. *Streets & Sanitation* approval must be secured prior to the drainage study approval.
6. On the **Master Drainage Plan** and all pertinent **Plan & Profile Sheets**:
  - Relocate SDMH #8 to the north at the connection point of the box and the 24"-SD.
  - Relocate SDMH #7 slightly to the north to the stub.
  - Add two storm drain manholes at the dual 5'x5' boxes at the 24"-SD connection point at approximately Station 39+60.
7. **Sheet 27/47** and **Sheet 28/47**:

The structural calculations and design details of the 12'x8' Maintenance Access structure must be approved by *City Building Department* prior to the final approval of the drainage study.

**\*\*\* 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**  
HDR/AYS

T/R/S: T20S/R59E/21  
AREA **K-21**