

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>		<b>DATE:</b> January 24, 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>CLV Regional Aquatic Center at Pavilion Pool</b>	Lochsa Engineering
<b>Cross Streets:</b>	NWQ of Alta Drive & Pavilion Center Drive	City of Las Vegas – Shelly Hayden
<b>File Number:</b>	F:\Depot\DSMemos\DS5641A.doc	Bart Anderson, P.E., DevCo
<b>Parcel Number:</b>	Portion of 137-35-501-004	
<b>Zoning Action:</b>	22-0486-CRG1	
<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	1/12/2023	1/23/2023	See Comments Below	\$400.00	5102523: \$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.

- DR1** and **DR2**: The drainage maps must show the entirety of the offsite basin(s), otherwise the labeled flows cannot be justified. If the offsite basin and flows are referenced from other maps or studies, then provide a note for source referencing in the next submittal.
- DR2**: Show *Hydraulic Section 1* with the flow parameters such as  $Q_{100}$ ,  $D_{100}$  and  $V_{100}$  on the *Drainage Map*.
- DR2**: Per calculation, the  $D_{100}$  at *Hydraulic Section 1* is 0.79'. However, per *Detail Section C/C7.01*, the proposed U-gutter is only 6" deep. The 100-year flow must be totally contained in the concrete gutter with minimum 6"-freeboard. Review and revise in the next submittal.
- Per *Detail Section A/C7.01*, a swale line is proposed along the east side of the swimming pool. Reflect the flowline and show FL elevations on the grading plan accordingly.
- The swale from the comment above appears to be intercepted by a proposed 10"-storm drain at the southeast corner of the pool. Explain why the 10"-storm drain is capped instead of a grate inlet. Address and revise in the next submittal.

6. A proposed beehive inlet at the northwest corner of the pool appears to be located in a sump condition. Address whether there is an emergency overflow path provided in case the inlet is totally clogged. Note that the maximum ponding depth at the inlet cannot be more than 1'.
7. Same comment applies to the existing inlet at the southwest corner of the new building.
8. *Detail Section B/C7.01* shows two building elevations at FF=3054.00. However, the two finished floors are shown in two different levels schematically. Review and revise accordingly.
9. On the grading plan, all the detail sections show, for example "A/P-C7.01". Explain what the "P" stands for?
10. Add a note in all pertinent sheets for the construction of all storm drain drop inlets per a newly adopted USDCCA Drawing No. 421 (*Stormwater Quality Management Stamp and Sign Detail*).

**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

T/R/S: T20S/R59E/35  
AREA K-35