

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: May 23, 2024
TO: Land Development Services Department of Community Development Building & Safety Division		FROM: Tyler Key Flood Control Engineering Associate Department of Public Works
SUBJECT:	Drainage Study for: Charleston Self-Storage	COPIES TO: Ware Malcomb Architects & Engineers Nevada, Inc.
Cross Streets:	SWQ of Charleston Blvd. & Rainbow Blvd.	Johnson Development Associates
File Number:	F:\Depot\DSMemos\DS5752B.doc	Bart Anderson, P.E., DevCo
Parcel Number:	163-03-501-006	
Zoning Action:	24-0018-SDR1	
FEMA Flood Zone	YES NO X	
Proposed Storm Drain	YES X NO	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	3/11/2024 (Paid on 3/15/2024)	3/27/2024	Not Approved	\$400.00	5669205: \$400
2 nd Submittal	5/15/2024	5/23/2024	See Comments Below	\$400.00	5767895: \$400
			TOTAL FEES (LDDRS):	\$800.00	----

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:
X	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.

- On the grading plans, it is not clear how and where the onsite storm drain ties to the *Holmby Channel*. Show and callout the proposed storm drain discharging into the Holmby Channel on **Sheet C5.0**.
- The proposed 20'-dedication to the *City of Las Vegas as Flood Control Right-of-Way* must be executed and recorded prior to the final approval of the improvement plans.
- Ensure that there is no spacing between the proposed and existing retaining walls along the west side of the project site.
- Provide street sections and FlowMaster calculations to show the flow summary of Charleston Blvd.
- Adjust the cfs shown for the Holmby Channel to match what is shown in the reference study.
- Provide a reference study to prove the flow that is shown in Charleston Blvd.
- Provide a structural detail of the storm drain connection through the Holmby Channel wall.
- Provide a profile of the storm drain segment discharging into the Holmby Channel.

9. **Sheet C5.0:** Callout the size and drawing number of the existing storm drain shown in the Holmby Channel and Charleston Blvd.
10. **Sheet C5.1:** Show the flood wall height on Section A.
11. **Sheet C5.2:** Increase the slope and elevations of the driveway along Charleston Blvd. The upstream flow line along Charleston Blvd. is 2424.42. Using the flow depth provided for Charleston Blvd. with a 6" freeboard, the minimum high point elevation of the driveway hump is 2426.02 ft.
12. **Sheet C5.0 & C5.2:** Label all spot elevations as FG, TC, FL, HP, etc.
13. **Sheet C5.0 & C5.2:** Provide a construction note for the flood wall along Charleston Blvd. The flood wall must continue the entire length of the project site.

***** 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:

1st Submittal DS and Plans (for first and original submittal);

2nd Submittal DS and Plans (for second submittal (addendum #1)) etc.

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

1st Submittal DS (for the report of the drainage study)

1st Submittal Plan 1 (could be the drainage condition maps)

1st 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
AYS/TJK

T/R/S: T21S/R60E/03
AREA Q-03