

Addendum to Update to Technical Drainage Study for CLV Regional Aquatic Center at Pavilion Pool

May 2023

Prepared for:

City of Las Vegas – Shelly Hayden
495 S. Main Street
Las Vegas, Nevada 89101
(702) 229-6011

Prepared by:

Lochsa Engineering
6345 South Jones Boulevard, Suite 100
Las Vegas, Nevada 89118
(702) 365-9312

Lochsa Job No. 211046

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL

DRAINAGE STUDY INFORMATION FORM

Name of Development: CLV Regional Aquatic Center at Pavilion Pool Date: May 29, 2023

Location of Development: a) Descriptive (Cross Streets) North/South: N. Pavilion Center Drive

East/West: Greenmoor Lane

b) Section: 35 Township: 20 SOUTH Range: 59 EAST

c) APN : 137-35-501-004 (portion of)

Name of Owner: City of Las Vegas - Shelly Hayden

Telephone No.: (702) 229-3249 Fax No.: _____ E-Mail Address: N/A

Address: 495 S. Main Street Las Vegas, NV 89101

Contact Person-Name: CHRIS BLAKE, EI Telephone No.: 702-365-9312

* E-Mail Address: CHRIS.BLAKE@LOCHSA.COM Fax No.: 702-365-9317

Firm: LOCHSA ENGINEERING

Address: 6345 S JONES BLVD STE 100 LAS VEGAS NV 89118

Type of Land Development/Land Disturbance Process:

☐	Rezoning	☐	Subdivision Map	☐	Clearing and Grading Only
☐	Parcel Map	☐	Planned Unit Development	☐	Other (Please specify below)
☐	Large Parcel Map	☒	Building Permit		

1. Total Owned Land Area: At Site: 15.91+/- ACRES Being Developed/Disturbed: 1.33+/- ACRES

2. Is a portion or all of the subject property located in a designated FEMA Flood Hazard Area? ☐ Yes** ☒ No

3. Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? ☐ Yes** ☒ No

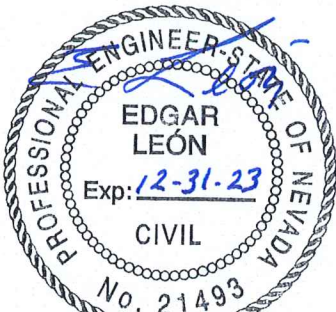
4. Proposed type of development (Residential, Commercial, Etc.): COMMERCIAL

5. Approximate upstream land area which drains to the subject site: 3+/- ACRES

6. Has the site drainage been evaluated in the past? ☐ YES ☒ NO If yes, please identify documentation: _____

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: _____
NEAR SOUTHWEST CORNER OF SITE

8. Briefly describe your proposed schedule for the subject project: ASAP



Engineer's Seal

Submit this form as part of the required drainage study to the local entity which has jurisdiction over the subject property. This form may provide sufficient information to serve as the Conceptual Drainage Study.

***New Required Field**

****Review and concurrence of the Clark County Regional Flood Control District is required.**

Local Entity File No.	Revision	Date

REFERENCE:

STANDARD FORM 1

May 24, 2023

Albert Sung, P.E.
City of Las Vegas Public Works Department
(Flood Control Division)
495 S. Main Street
Las Vegas, NV 89101

Subject: **Addendum to Update to the Technical Drainage Study for CLV Pavilion
Pool Addition**
Lochsa Job No. 211046

Mr. Sung:

This letter certifies that all items provided on the **Addendum to Update to the Technical Drainage Study for CLV Pavilion Pool Addition** electronic submittal matches the paper version bound into the study.

Respectfully submitted,

LOCHSA ENGINEERING

A handwritten signature in blue ink, appearing to read 'E. León'.

Edgar León, P.E.

COMMENT LETTER

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM			DATE: May 23, 2023
TO: Land Development Services Department of Building & Safety			FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT:	Drainage Study for: CLV Regional Aquatic Center at Pavilion Pool - Update		COPIES TO: Lochsa Engineering
Cross Streets:	NWQ of Alta Drive & Pavilion Center Drive		City of Las Vegas – Shelly Hayden
File Number:	F:\Depot\DSMemos\DS5641C.doc		Bart Anderson, P.E., DevCo
Parcel Number:	Portion of 137-35-501-004		
Zoning Action:	22-0486-CRG1		
FEMA Flood Zone	YES	NO X	
Proposed Storm Drain	YES	NO X	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	1/12/2023	1/23/2023	Not Approved	\$400.00	5102523: \$400
2 nd Submittal	2/2/2023	2/23/2023	Approved	\$400.00	5129909: \$400
3 rd Submittal	5/10/2023	5/23/2023	See Comments Below	\$100.00	5270922: \$100
TOTAL FEES (LDDRS):				\$900.00	----

REMARKS:

3rd Submittal: Update to remove an originally proposed onsite storm drain with revised grading

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.

1. A wall along the north side of the pool has been relocated about 6' to the south. Provide cross section to show the proposed change.
2. Provide a revised **Sheet C7.01** to show *Detail Section C/C7.01* with the originally 6"-storm drain being eliminated.

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

RESPONSES TO COMMENTS

May 30, 2023

Albert Sung, P.E.
Flood Control Project Engineer
Department of Public Works
495 S. Main Street
Las Vegas, NV 89101

Subject: Addendum to Update to Technical Drainage Study for CLV Regional Aquatic Center at Pavilion Pool

APN: Portion of 137-35-501-004

File #: DS5641C

(Lochsa Engineering Project No. 211046)

Dear Albert Sung,

Lochsa Engineering is in receipt of your comment letter, dated: May 23, 2023, for the above referenced project.

In response to your comments, the following responses are being offered:

1. A wall along the north side of the pool has been relocated about 6' to the south. Provide cross section to show the proposed change.

Response 1: A cross section that shows the relocation of the north wall has been added to the detail sheet. See revised Plans.

2. Provide a revised **Sheet C7.01** to show *Detail Section C/C7.01* with the original 6"-storm drain being eliminated.

Response 2: A revised Sheet C7.01 that shows Detail Section C/C7.01 with the originally 6" Storm Drain (PVC) being eliminated has been included with this submittal. We have also added this callout on Detail D/C7.01 also.

If you have any questions or further comments, please contact our office at your convenience.

Sincerely,

Lochsa Engineering



Chris Blake, EI
Hydrologist

