

CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		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:	COPIES TO:
CLV Police Park		Actus
Cross Streets:	Metro Academy Way & Issac Newton Way	City of Las Vegas
File Number:	F:\Depot\DSMemos\DS5673A.doc	Bart Anderson, P.E., DevCo
Parcel Number:	138-07-401-017 and 138-07-301-005	CCRFCFCD
Zoning Action:	N/A	
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	5/2/2023	5/23/2023	See Comments Below	N/C	N/C
			TOTAL FEES (LDDRS):	-----	-----

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.

1. Provide a copy of the zoning/planning conditions associated with this site with the next submittal to verify compliance with conditions. *Flood Control* will not issue conditional approval of the drainage study without the associated zoning/planning conditions (issued by the *City Council*). Any associated conditions of approval that revise the site drainage parameters will require that the drainage study be revised and resubmitted.
2. The site is adjacent to or crosses an existing or proposed *Clark County Regional Flood Control District* (CCRFCFCD) master planned facility. Therefore, CCRFCFCD concurrence is required prior to final approval of the drainage study.

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

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

3. **Existing Condition:** The Standard Form 4 area for ONX2B does not match the HEC 1 value used (0.0013 vs 0.0029).

4. **Interim / Developed Condition:** The Standard Form 4 area for ONX2B and ON7 do not match the HEC 1 value used (0.0013 vs 0.0029) (0.0011 vs 0.0010).
5. **Figure 7 Existing Condition Drainage Exhibit:** Table 1, the *Existing Flow Summary Table* has no flows shown at all.
6. **Figure 7 Existing Condition Drainage Exhibit:** Provide a *Hydraulic Summary Table* for the existing cross sections.
7. **Figure 8 Interim/ Ultimate Condition Drainage Exhibit:** The basically undisturbed *Subbasin ONX5* is missing all the existing features such as the meandering sidewalk and shade structures etc. It should match the *Existing Condition Drainage Exhibit's* ONX5 in all features. Review and revise in the next submittal.
8. **Sheet C5:** Show the FF of the Existing Bathroom building on the grading plans.
9. **Sheet C6:** In reference to the plan with *Detail Section E/C8*, it is unclear how the flow is leaving the parking area. Provide a sidewalk underdrain at the proposed low point to allow flow to enter the swale shown.
10. **Sheet C6:** A Construction Note #3 indicating 0"-curb connecting an existing sidewalk to the parking bulb appears serving no purpose. Discuss the utility of the proposed 0"-curb.
11. The overall parking lot improvement area is larger than 1 acre. Per **Section 1500** of the *Clark County Regional Flood Control District's Hydrologic Criteria and Drainage Design Manual*, the subject improvements must provide for Low Impact Development (LID) measures. Review and address the issue in the next submittal.

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
HDR/AYS

T/R/S: T20S/R60E/07
AREA L-07