

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: June 21, 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:
	Brinley Middle School Replacement	Lochsa Engineering
Cross Streets:	NEC of Smoke Ranch Road & Maverick St.	School Board of Trustee - CCSD
File Number:	F:\Depot\DSMemos\DS5678A.doc	Bart Anderson, P.E., DevCo
Parcel Number:	138-14-802-005	CCRFCD
Zoning Action:	23-0242-SDR1 & 23-0242-VAR1	
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	5/31/2023	6/21/2023	See Comments Below	\$400.00	5295619: \$400
TOTAL FEES (LDDRS):				\$400.00	----

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.

1. Provide a copy of the zoning/planning conditions associated with this site (**23-0242-SDR1 & 23-0242-VAR1**) 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. Sites with a grade difference of 2 feet above or below existing are required to have approval from the *City Planning and Development Department*. The engineer must submit copies of the grading plans and detail sheet with a letter justifying the grade difference to the *City Planning Department* (229-6301). The engineer must provide Planning approval with the next submittal.
3. The site is adjacent to or crosses an existing or proposed *Clark County Regional Flood Control District* (CCRFCD) master planned facility. Therefore, CCRFCD concurrence is required prior to final approval of the drainage study.

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>

4. **Sheet DR2:** It is proposed to discharge Subbasins "ND3+ND6" of $Q_{10}/Q_{100}=7/13$ cfs at CPD2 to an existing parking lot in the adjacent ballfield of the church. However, this outflow does not happen in the existing condition, ie, the adjacent church will be receiving more flows during storm events. Either maintain the same flows going into the adjacent site or obtain a notarized letter of acknowledging the increased flow from the adjacent property owner prior to the final approval of the subject drainage study.
5. **Phase 2 Grading Plans:** Cross sections, for example, *H/C6.04* has been shown on the *Overall Sheet* which shows the relation between the perimeter street and the onsite features. However, no street TC elevations had been shown on the *Overall Sheet*, therefore, the relative vertical relationship between the street and onsite cannot be verified. Provide as such in the next submittal.
6. **Sheet C2.30.1:** Provide a cross section at *Maverick Street* between *Smoke Ranch Road* and the first driveway entrance in *Maverick*. Since the site is below the adjacent *Maverick Street*, this section shall show some barrier at the back of sidewalk to protect the onsite from drainage in *Maverick Street*.
7. **Sheet C2.30.2:** For the same reasoning as in Comment #6, provide a cross section at *Maverick Street* somewhere south of the driveway entrance.
8. Revise and replace Note #6 of the "*Stormwater Management Notes*" on all grading plans with the following note as Standard Note No. 6:

Post-Construction BMPs (PCBMPs) / Control Measures noted on the Grading Plans are mandatory permanent regulatory stormwater pollution controls. These PCBMPs must be installed per the approved plans and must be permanently maintained.

9. 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.

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

T/R/S: T20S/R60E/14
AREA L14