

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>			<b>DATE:</b> December 19, 2022
<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>Kyle Canyon Road &amp; Oso Blanca Road</b>	ACG Design
<b>Cross Streets:</b>	SWC Kyle Canyon Rd. & Oso Blanca Road		Kyle Canyon Next & Last Frontier
<b>File Number:</b>	F:\Depot\DSMemos\DS5573C.doc		Bart Anderson, P.E., DevCo
<b>Parcel Number:</b>	126-01-702-007		CCRFCD
<b>Zoning Action:</b>	22-0102-TMP1; 22-0106-SDR1 & 22-0106-SUP1		NDOT
<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 (Paid on 6/14/2022)	5/25/2022 & 6/14/2022	6/15/2022	Not Approved	\$400.00	4827859: \$400
2 <sup>nd</sup> Submittal (Paid on 8/15/2022)	8/10/2022 & 8/15/2022	8/30/2022	Not Approved	\$400.00	4908948: \$400
3 <sup>rd</sup> Submittal (Paid on 12/14/2022)	11/30/2022 & 12/14/2022	12/19/2022	See Comments Below	\$400.00	5073107: \$400
<b>TOTAL FEES (LDDRS):</b>				<b>\$1,200.00</b>	<b>----</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.

1. 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>

2. The project proposes to construct facilities and/or increase flows within *Nevada Department of Transportation* (NDOT) right-of-way. The engineer must contact NDOT for encroachment permit for the proposed project.

3. The proposed transition structure from a 54"-storm drain to a dual 6'x3' RCBs is a special designed facility. All special structures and mainline storm drain connection (such as between the existing and the new 2# 6'x3'-RCBs) require details and structural calculations to be reviewed by the *City of Las Vegas Building & Safety Department*. Approval by the *Building Department* must be obtained prior to the final approval of the subject drainage study.
4. Revise the proposed riprap pad at the upstream end of the 54"-storm drain at *Rufian Road* to concrete to provide a drivable access for the City maintenance crew. Make sure the concrete pad is wide enough for the City vehicle to make a turn-around.
5. **Sheet C7**: Show the proposed storm drain manhole at the proposed 6'x3' RCB in the profile.
6. **Sheet C7** and **Sheet C16**: Per Sheet C7, the vertical distance between the street surface and the top of the 6'x3'-RCB is about 1.5' only. However, per Sheet C16, "*Profile-Junction Structure with Connection to Proposed Dual 6'x3' RCB's*", the proposed manhole is seemingly more than 1.5' in height and is not compatible with the *Plan & Profile* sheet.

The storm drain manhole appears to require a special design to accommodate for the shallow depth of cover (1.5' only). Provide special structural design and calculations to *City Building Department* for review and approval prior to the final approval of the subject drainage study.

7. **Sheet C16**: Enlarge the 24"-wide access manhole to 30"-wide minimum.
8. Dedicate the proposed 30' easement as "Public Drainage Easement with Surface to be Privately Maintained by the Property Owner". Record as such in the Subdivision Plat Map.

**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: T19S/R59E/01  
AREA F-01