

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM			DATE: 2/27/2023		
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:	
ER @ Skye Hills				Impulse Civil Engineering	
Cross Streets:		Hualapai Way & CC 215		Sunrise Mountain View Hospital	
File Number:		F:\PW_Flood\1. Development Review\1. DS Memo\DS05653A.doc		Bart Anderson, P.E., DevCo	
Parcel Number:		125-19-401-002		CCPW	
Zoning Action:					
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	2/9/2023	2/27/2023	See Comments Below	\$400	5136327: \$400
TOTAL FEES (LDDRS):				\$400	----

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.

The following are comments pertaining to the subject site specific drainage study and grading plans:

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 also adjacent to the ongoing Clark County Beltway project. The engineer must coordinate with *Clark County Department of Public Works (CCPW)* and incorporate any concerns for boundary conditions along the north border. CCPW concurrence is required prior to final acceptance of the study.
3. The provided PDF on the CD does not match the hard copy. PDF provides 2 different interim/ultimate condition drainage exhibits and does not provide an existing drainage condition exhibit.
4. Provide a 6-inch hump above the Q100 on Darling Road to keep the flow in Hualapai Way.
5. Provide a minimum of 1-ft landscaping berm along Hualapai Way.

6. The flow directions provided on PR1 and PR2 to not match the grading plans. For example, per Figure 4 PR1 has a sump location on the west side of the building, however per the grading plans the west side of the building flows north. Revise and reflect changes accordingly.
7. A portion of PR2 (the east most side slope) appear to convey toward DS1 and ultimately combination point DEM. Update the basin area's to accurately represent the flow conveyance toward the 2 combination points. Revise and reflect changes accordingly.
8. **Grading Plans (C4.02, C4.03):** TC elevations do not match the flow direction arrows provided on the plans. Provide a quality review of grading plans, all valley gutters conveying flow must provide a consistent slope that conveys the flow toward the BMPs. As shown now, there are slight sump locations that would create ponding.
9. Due to the inconsistent grading and slopes, cannot confirm the amount of flow that is conveyed through the northern most BMP. Note that the southern BMP its not considered to receive any flow as the valley gutter that leads to the BMP is over 4% slope, it is not expected that any flow will turn into the BMP but will continue along the valley gutter toward Darling Road. Add additional curb openings to bleed out the onsite flow into the BMP area.
10. Provide stormwater management note, including note number 7, in the grading plan.

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

T/R/S: T19S/R60E/S19
AREA G-19