

CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		REVISED September 8, 2022
		REVISED June 16, 2022
		May 12, 2022
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:
Summerlin West Village 22 - Nighthawk		Impulse Civil Engineering & Planning
Cross Streets:	SWC Kettle Ridge Drive & Fleet Wing Ave.	WLB Group Howard Hughes Company LLC KB Homes
File Number:	F:\Depot\DSMemos\DS5535D - Revised.doc	Bart Anderson, P.E., DevCo
Parcel Number:	A portion of 137-23-211-001	CCRFCD
Zoning Action:	TMP; CRG	
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	12/16/2021	1/19/2022	Not Approved	\$400.00	4575121: \$400
2 nd Submittal	2/23/2022 (Paid on 3/16/2022)	3/17/2022	Not Approved	\$400.00	4692663: \$400
Supplement	3/17/2022	3/17/2022	See Comments Below	N/C	N/C
4 th Submittal & Supplements	4/26/2022 & 5/18/2022 & 6/9/2022 & 9/8/2022	5/11/2022 & 6/6/2022 & 6/16/2022 & 9/8/2022	See Comments Below	\$100.00	1706305: \$100
			TOTAL FEES (LDDRS):	\$900.00	----

REMARKS: Supplement #4 9/8/2022, Plan changes to address pipe material changes and minor alignment for utility clearance.

4th Submittal, Update #1 to address Plan comments. Flood Control required that Updated Plans be provided as Supplemental Information.

The Drainage Study for the subject project has been reviewed and:

X	is approved subject to conformance to all City standards and the following conditions:
	must be resubmitted or supplemented including the following:
	is conditionally approved subject to Clark County Regional Flood Control District concurrence.

- Storm Drain Plans have mitigated the high velocity flows and include 6,000 psi concrete with 2" sacrificial concrete between SDMH #4 and SDMH #35 as shown on Sheet PP-01.. A Special Construction Note has been added to the Grading Plans and the Plan and Profile Sheet that calls out the special construction requirement for the minimum 6,000 psi concrete with 2" additional sacrificial concrete.
- Flood Control concurs with the revised Inlet sizes from 20-foot to 15-foot for Inlet #1, #6, #7, #8, and #9 based upon the 50% clogging factor.
- The submitted Plans show that Manhole #35 is identified as a 72-inch diameter manhole.

4. Flood Control has received a letter of concurrence from the *Clark County Regional Flood Control District (CCRFCD)* dated May 11, 2022. With these Plan comments, a new concurrence from CCRFCD is not required.
5. The subject development is under the premise of flood protection by the improved perimeter streets, *Fleet Wing Avenue*, *Kettle Ridge Drive* and *Scurry Bend Drive* and the downstream regional facilities in *Kettle Ridge Drive* for flood flow perpetuation. No occupancy permit of the houses will be issued prior to the substantial buildout of the perimeter facilities.
6. Where storm drain pipe and/or inlets are located within Common Lots, Common Lots shall be *Public Drainage Easements to be Privately Maintained (PDEPM)*. Show PDEPM on the Grading Plans and on the Final Map. Where drop inlets are located behind the private street section, a 5-foot wide PDEPM needs to be shown on the Grading Plans and on the Final Map. Extend the easement 5' past each side of the inlets. Flood Control recommends that the PDEPM also be shown on the HC-Sheets for clarity.

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, conditional acceptance 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
HDR/AYS/PBJ

T/R/S: T20S/R59E/23
AREA K-23