

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: March 15, 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:
Summerlin Village 22 - NP-1 Park		GCW Engineering
Cross Streets:	SWC Desert Foothills Dr. & Fleet Wing Ave.	Howard Hughes Company, LLC
File Number:	F:\Depot\DSMemos\DS5660A.doc	Bart Anderson, DevCo., P.E.
Parcel Number:	137-23-213-001	
Zoning Action:	CRG	
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	2/23/2023	3/15/2023	See Comments Below	\$400.00	5158487: \$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 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. **Sheet GD1:** It appears that the south driveway entrance in *Desert Foothills Drive* has no hump to prevent the street flow into the park. Provide a hump with 6"-freeboard in the south entrance in the next submittal.
3. At Station 18+00 to Station 19+00 in *Fleet Wing Avenue*, it appears that the onsite is lower than the adjacent street grade. Provide cross section to show that whether the proposed sidewalks are performing as flood protection. Otherwise, a stem wall will be required for onsite flood protection. Review and revise accordingly.
4. At the southwest corner of the site, a swale is shown within the scarp adjacent to a retaining wall around the south and west boundaries. Provide flow line elevations in regular intervals on the grading plan.
5. Revise *Detail Sections E* and *F* to show the proposed swale accordingly.

6. In **Sheet DT1**, detail cross sections B and C appear to be duplicate cross sections for *Fleet Wing Avenue*.
7. Upsize the onsite storm drain to 12"-minimum diameter. 8"-diameter will get clogged easily and will require more frequent future maintenance.
8. Identify and show the property lines in the grading plan.
9. If SDDI 17 & 18 get clogged it appears the ponding depth will be 2-ft and the minimum allowable ponding depth is 1-ft. Revise accordingly.
10. *City of Las Vegas* does not allow HDPE pipe in public right-of-ways or public drainage easements. Note that *City of Las Vegas* only allows the use of HDPE storm drain pipes for privately owned and privately maintained storm drain systems which serve and are located exclusively on private properties. Any proposed HDPE storm drain pipes must also meet all design criteria established by the *Clark County Regional Flood Control District* and must be installed per *Clark County Regional Transportation Commission Uniform Standard Drawings and Specifications*.

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/R59E/23
AREA K-23