

<b>CITY OF LAS VEGAS</b>		<b>DATE:</b>
<b>INTER-OFFICE MEMORANDUM</b>		August 18, 2022
<b>TO:</b> Land Development Services Department of Building & Safety		<b>FROM:</b> Peter Jackson, CFM Senior Engineering Associate Department of Public Works
<b>SUBJECT:</b>	Drainage Study for:	<b>COPIES TO:</b>
	<b>Skye Canyon Parks 2.36 &amp; 5.13</b>	Westwood Professional Services
<b>Cross Streets:</b>	Shaumber Rd & Iron Mountain Rd	Century Communities
<b>File Number:</b>	F:\Depot\DSMemos\DS05595A.doc	Bart Anderson, P.E., DevCo
<b>Parcel Number:</b>	126-12-610-001	
<b>Zoning Action:</b>		
<b>FEMA Flood Zone</b>	YES	NO <b>X</b>
<b>Proposed Storm Drain</b>	YES <b>X</b>	NO

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 <sup>st</sup> Submittal	7/20/2022	8/18/2022	See Comments Below	\$400.00	4873670: \$400
<b>TOTAL FEES (LDDRS):</b>				<b>\$400.00</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 proposed construction of the 54" RCP storm drain mainline, east of Shaumber that is an extension of CLV#107V7512, shall be constructed in one phase with the North Arroyo. The drainage study for the North Arroyo (DS5598) has been submitted and is pending full review. The construction of headwalls, access roads, and outlet structures is unnecessary and creates connection complications with construction. Construction of the park may occur concurrently the North Arroyo drainage improvements. Note that storm drain comments pertinent to the 54" RCP mainline will not be issued on this project and will be included with the North Arroyo study.
2. Revise Exhibit E to reflect the North Arroyo storm drain being constructed under DS5598.
3. No Building Permit will be issued for lots adjacent to the North Arroyo. A technical drainage study is required for the North Arroyo improvements. The permits will be released upon substantial completion of the North Arroyo drainage facilities. Provide a drainage study update to incorporate the connection of the parcel improvements with the proposed North Arroyo drainage improvements.
4. 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.

5. Coordinate with the Planning Department (Fred Solis) to determine the Common Element/Landscape/Trail improvements required with the project. The necessary plans need Planning Department approval prior to the Final Approval of the Storm Drain Improvement Plans.
6. Sites with a grade difference of 2 feet above or below existing grades are required to have approval from the City of Las Vegas 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 City Planning approval with the next submittal.
7. Provide a 12-foot maintenance access road for access to each of the existing/proposed storm drain manholes.
8. Provide a nomograph calculation for all drop inlets.
9. All storm drain inlets that are more than 10'-deep (e.g DI #1) require a special structural detail and calculations. Submit structural design and calculations for to *City Building & Safety Department* for review and approval prior to the final approval of the drainage study.
10. **Sheet G-01:** Clearly show how the improvements are connecting to existing features. Including but not limited to the following:
  - a. Provide concrete apron at manhole that matches into the curb elevation.
  - b. Hard surface to access to the existing missing manhole upstream of EX-SDMH#2.
  - c. SDMH#7 and the curb
  - d. The existing meandering sidewalk and the proposed sidewalk ramp.
11. **Sheet G-01:** Check the manhole sizes. SDMH#1 and SDMH#7 should be 60" Type II-SD manhole not a 48" Type II-SD Manhole
12. **Sheet G-01:** Provide a flowline elevation where the curb meets the valley gutter. It appears that this flow will bypass the inlet. Review and revise accordingly.
13. **Sheet G-02:** In the south corner of the east park, grading indicates there is flow against the wall. Clarify if this is intentional or review and revise accordingly.
14. **Sheet SD-03:** Provide a pipe size for Lateral 1.
15. **Sheet PP-6:** Provide a transitional structure for the proposed structure to the existing RCB.
16. Area inlets require a concrete apron. Provide detailed grading and apron details for facilities DI#4 and DI#5.
17. Indicate what is being removed and replaced within the improvements and provide structural details to indicate how it should be done. Structural plans for the storm drain improvements must be submitted for review. Coordinate the required submittal process with the Building Department and include a soils report, structural calculations and specifications, stamped structural sets, and a grading plan to the Building Department for processing. The engineer must provide a copy of Building Department approval of the structures to Flood Control prior to final acceptance of the drainage study.

**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**  
PBJ/CAA

T/R/S: T19S/R59E/S12  
AREA F-12