

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>		<b>DATE:</b> March 25, 2025	
<b>TO:</b> Land Development Services Department of Community Development – Building & Safety Division		<b>FROM:</b> Tyler Key Flood Control Engineer Associate Department of Public Works	
<b>SUBJECT:</b> Drainage Study for: <b>Master Drainage Study for BLM 505</b>		<b>COPIES TO:</b> 95 Management, LLC	
<b>Cross Streets:</b>	Sheep Mountain Pkwy & Centennial Pkwy	Westwood Professional Services	
<b>File Number:</b>	F:\Depot\DSMemos\DS5728F.ZNA.doc	CCRFCFCD	
<b>Parcel Number:</b>	Portions of APN 126-23-401-001 & 126-26-101-001		
<b>Zoning Action:</b>			
<b>FEMA Flood Zone</b>	YES <b>X</b> NO		
<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	12/25/2023	01/23/2024	Not Approved	\$400	5565523: \$400
2 <sup>nd</sup> Submittal	2/28/2024	3/13/2024	Not Approved	\$400	5649583: \$400
3 <sup>rd</sup> Submittal	6/20/2024	7/9/2024	Not Approved	\$400	5814804: \$400
4 <sup>th</sup> Submittal	7/22/2024	7/30/2024	Cond. Approved	\$400	5856024: \$400
5 <sup>th</sup> Submittal	9/3/2024	9/12/2024	Approved	\$100	5913145: \$100
6 <sup>th</sup> Submittal	3/3/2025	3/25/2025	See Comments Below	\$100	6139051: \$100
			<b>TOTAL FEES (LDDRS):</b>	<b>\$1,800</b>	<b>----</b>

**REMARKS: This functions as the Master Drainage Study for BLM 505. Future submittals need to have the title revised to reflect this is the Master Drainage Study for BLM 505.**

**A portion of this site is within a FEMA Special Flood Hazard Area, Zone A.**

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. For the area located within the BLM grant, currently labeled as “future development area,” use the following comment on all of the exhibits and reports of future studies. This comment will be repeated until completed:

This area is designated for potential future development as part of the Skye Summit Master Planned Community. Development within this area can only be incorporated into the Skye Summit Master Planned Community after the City of Las Vegas Department of Public Works approval of a Technical Drainage Study for the Kyle Canyon Detention Basin Expansion as identified in the 2023 CCRFCFCD Master Plan Update and vacation of the existing BLM Drainage Grant surrounding the basin. All proposed infrastructure and land use currently depicted in this area is conceptual, and not approved

to be a part of the Skye Summit Master Planned Community until such time as the Technical Drainage Study is approved.

2. Provide a call out to specify which area that the note from Comment 1 applies to. Provide corresponding legend on all of the exhibits.
3. Please note that vacation or relinquishment of the BLM Drainage Grant will need to be submitted to the City of North Las Vegas upon approval of the Comment 1 from CLV and CCRFCD.
4. The BLM 505 Master Drainage Study is proposing to revise the hydrology and facility sizes identified in the Clark County Regional Flood Control District's (CCRFCD) 2023 Las Vegas Valley Flood Control Master Plan Update. A Master Plan Amendment (MPA) or Master Plan Change (MPC) must be submitted to the City of Las Vegas for approval and City of Las Vegas will coordinate the submittal to CCRFCD for approval.
5. 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 Master Drainage Study.
6. Please note that the site layout (pods, land use, density, infrastructures, etc.) must be approved by City Council prior to final approval of the Master Drainage Study. If the site layout does not match the Master Drainage Study, an update to the Master Drainage Study must be submitted to address the changes.
7. Please note that the traffic study must be approved prior to final approval of the Master Drainage Study. If the street layout does not match the Master Drainage study, an update to the Master Drainage Study must be submitted to address the changes.
8. Please note that the vacation of the Sheep Mountain Pkwy reduction must be approved by the City prior to the final approval of the Master Drainage Study. If the street alignment does not match the Master Drainage Study, an update to the Master Drainage Study must be submitted to address the changes.
9. Please note that any future technical drainage study submittals that differ from the Master Drainage Study (ie. Changes in pods, infrastructure, flows etc.) will require an update to the Master Drainage Study and this update must be approved by the City of Las Vegas Flood Control Section prior to final approval of technical drainage study.
10. Technical drainage studies are required for each of the POD's. The technical drainage studies for the POD's may not be submitted until the conditional approval of the pertinent infrastructure drainage study is obtained. Final approval for the infrastructure drainage study must be obtained prior to conditional approval of the impacted POD drainage studies.
11. Building permits for the homes within the individual POD's will not be issued until construction of the street and flood control infrastructure around the POD is substantially complete.
12. Please note that the proposed 100-year flood protection facilities identified on Exhibit F3 & F4 must be constructed by the Master Developer as a part of the master planned infrastructure. Technical drainage studies are required for each phase of the master planned infrastructure improvements. The technical drainage studies for the infrastructure improvements may be submitted with conditional approval of this Master Drainage Study. However, final approval for the Master Drainage Study must be obtained prior to conditional approval of the infrastructure drainage studies.
13. Please note that all proposed interim drainage facilities must be bonded and maintained by the Master Developer.

14. Please note that all proposed drainage facilities must meet the City of Las Vegas Municipal Code.
15. All permanent drainage facilities must be concrete lined. There must be no temporary rip rap drainage facilities remaining in the ultimate condition. Please reflect changes to all exhibit, plans, and supporting calculations with any future submittals.
16. For all future updates, provide revision clouds so the revisions can be checked and verified.
17. Centennial Strom drain dropped 21 CFS, provide explanation of flow reduction.
18. Facility Changes section, pages 5 and 6, indicates that arch culverts will be used to reduce cost; however, equivalent RCB will be used for MDS conceptual sizing. Future submittals of project infrastructure phases will require analysis of arch culvert specific sizes. Equivalent RCB size analysis will not be accepted.
19. Drop Inlets section, page 6, notes that an inlet was added within the Phase 1 Infrastructure project limits, along Skye Edge Drive, but was not provided with that study. This inlet will need to be shown with the next submittal of the Phase 1 Infrastructure study for approval.
20. Exhibit H1 references 2018 MPU. Any future update must reference the 2023 MPU.
21. On Exhibit H2, CPST1 and CPST2 do not appear to be depicted on the map. Provide concentration points on map.
22. On Exhibit H3,
  - a. SM11 should be 26 cfs as depicted on page 418.
  - b. The flows of SM22 and SM23 are swapped in the calculation provided on pages 430-433.
  - c. M20 slope is shown as 3.00% on page 381.
  - d. S1 slope is shown as 3.5% on page 400
  - e. P1.1 and PH2 do not match HEC-1 provided on pages 213 and 214.
23. On Exhibit H4, W5 has a flow of 473 cfs per page 348 and W6 has a flow of 791 cfs per page 350.
24. This note is applicable when project is adjacent to BLM.

Please contact:  
Boris Poff  
BLM Hydrologist  
702-515-5154  
[Bpoff@blm.gov](mailto:Bpoff@blm.gov)
25. Add a note in all pertinent sheets for the construction of all storm drain drop inlets per a newly adopted USDCCA Drawing No. 421 (*Stormwater Quality Management Stamp and Sign Detail*).

**\*\*\* The City of Las Vegas Flood Control is standardizing the file naming of drainage studies and plans during the digitizing process. When saving the project files in the CD or thumb drive, please follow the system below:**

**If drainage study only contains one combined file, use the following naming convention in Document Title:**

**1<sup>st</sup> Submittal DS and Plans (for first and original submittal);**

2<sup>nd</sup> Submittal DS and Plans (for second submittal (addendum #1)) etc.

**If drainage study contains multiple files, use the following naming convention in Document Title:**

1<sup>st</sup> Submittal DS (for the report of the drainage study)

1<sup>st</sup> Submittal Plan 1 (could be the drainage condition maps)

1<sup>st</sup> Submittal Plan 2 (could be the improvement plans) etc.

**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, final approval 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**

**CAG/CLV**

T/R/S: T19S/R59E/S1

AREA F-01