

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>			<b>DATE:</b> February 10, 2025
<b>TO:</b> Land Development Services Department of Building & Safety			<b>FROM:</b> Tyler Key Flood Control Engr. Associate Department of Public Works
<b>SUBJECT:</b>	Drainage Study for:		<b>COPIES TO:</b>
<b>Sheep Mountain Parkway Access Road from Farm Road to Grand Teton Drive</b>			Westwood Professional Services
<b>Cross Streets:</b>	Sheep Mountain Pkwy & Grand Teton Dr		Olympia Companies
<b>File Number:</b>	F:\Depot\DSMemos\DS5672E.doc		Lucien Paet, P.E., DevCo
<b>Parcel Number:</b>	126-14-501-001		CCRFCD
<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	4/27/2023	5/25/2023	Not Approved	\$400.00	5250717: \$400
2 <sup>nd</sup> Submittal	6/13/2023	7/6/2023	Not Approved	\$400.00	5313201: \$400
3 <sup>rd</sup> Submittal	7/25/2023	8/22/2023	Conditional Approval	\$400.00	5368129: \$400
CCRFCD	9/26/2023	11/16/2023	Concurrence Recv'd	N/C	N/C
4 <sup>th</sup> Submittal	1/21/2025	2/10/2025	See Comments Below	\$100.00	6086200: \$100
<b>TOTAL FEES (LDDRS):</b>				<b>\$1,300.00</b>	----

**REMARKS: 4<sup>th</sup> Submittal – Update #1 to add interim ditches and inlets**

**3<sup>rd</sup> Submittal – Addendum #2**

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 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 drainage study.

Please note that effective March 15, 2019, the CCRFCD adopted new requirements for drainage study concurrence submittal. Follow the link below for specific guidance.

<http://gustfront.ccrfcd.org/LandDev/LandDev.aspx>

2. **Exhibit F:** Section D13 of the Ditch Hydraulic Section Summary shows the slope of the ditch to be 0.50%, but the Flow Master section provided shows 0.40%. Review and revise accordingly.
3. Provide maintenance access ramps to the inlets of each lateral.

4. Provide control of access at the entrances and exits of all maintenance access roads.
5. Provide concrete apron around NDOT Type 2 inlets.
6. Install rip-rap within the drainage swales along Sheep Mountain Pkwy.
7. Clearly show what is being proposed for the existing inlet within the fill area along Farm Rd.
8. Provide details on the detail sheets for all NDOT standard structures.
9. Provide a 10' x 10' concrete pad sloping toward the headwall invert of all inlets.
10. Provide a rip-rap pad and access ramp at outfall of storm drain lateral 1.
11. **Sheet SD-07:** Label surrounding street names.

**The following are previous comments that need to be addressed as a part of the improvement plans:**

1. The tie-in at Grand Teton (Sheet PP-6) needs to show the existing concrete barrier rails (CBR's) and berm that serves as an access deterrent to the public. Coordinate the necessary berm transition and the relocation of the CBR's with the Streets and Sanitation Division. Provide a note as such on the plans. Coordinate the relocation with Matthew Meyer, Deputy Director – Streets and Sanitation Division.
2. The collapsible bollard is noted on the plans as "Linedividers Inn-TWCB-2436-Unique or approved equal" from the referenced link: <https://linedividers.com/products/two-way-collapsible-yellow-bollard-2x4x36>  
Provide a Detail for the concrete foundation necessary to construct the bollards.
3. Provide a Detail for Construction Note #8. The Maintenance Access section shall be a minimum of 6" of Type II Aggregate Base. The Quantity Table on Sheet C-3 references the Access section as 4" Type II over 6" Type I. Review call outs accordingly. The use of Native Material for access is not acceptable.
4. Provide a detail and cross section of the grouted rip-rap pads for the storm drain outfall. Details need to include Base & geofabric per Drainage Design Manual.
5. Show the limits of the rip-rap berm on Sheet G-1. Extend the rip-rap half-way around the turn around.
6. Update the detail and cross section of the rip-rap berm (D/D1). Details need to include Base & geofabric per Drainage Design Manual.
7. Revise Sheets PP-1 and PP-2 to correctly identify the adjustment of the storm drain manholes. The plans currently label them as sanitary sewer manholes. Include manhole adjustments as a part of the Quantity estimate.
8. Label the size and plan number for the existing storm drain shown on Sheet PP-6.
9. Update the Quantities on Sheet C-3.
10. The DS number has been added to the "Flood Certification Note". Remove the Letter designation after the number. It should read **DS5672**.

**\*\*\* 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**

T/R/S: T19S/R59E/S14  
AREA F-14