

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM

DATE: August 4, 2025

TO:
Land Development Services
Department of Community Development –
Building & Safety Division

FROM:
Neil Wacaser, P.E. *NW*
Sr. Engineering Associate
Department of Public Works

SUBJECT: Drainage Study for:
Fire Station 103

COPIES TO:

Cross Streets: Alta Drive & Falcon Lane

File Number: F:\Depot\DSMemos\DS5888A.doc

Lucien Paet, P.E., DevCo

Parcel Number: 138-36-201-014

Zoning Action: 25-0068-ZON1

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	7/9/2025	8/4/2025	See Comments Below		
TOTAL FEES (LDDRS):					----

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. The grading plan is unclear regarding the rip-rap swale along the north end of the project. The text leaders on the grading sheet seem to show the entire swale is to be constructed using d50 = 3" material, but the rip-rap calculations included in the drainage report indicate the use of d50=18" and d50=12". Provide sufficient information and dimensions on the grading sheet to show which portions of the swale are to be constructed using the indicated rip-rap sizes. Provide sufficient bedding for any non-BMP rip-rap per HCDDM 705.4.3.
2. Cross section 3 on sheet C4 appears to be identified incorrectly as "SOUTH PL SECTION". Should it be "NORTH"? Please verify. Include the proposed wall and the rip rap in the cross section for the north parcel line. Provide multiple cross sections if necessary.
3. On sheet C3 at the northeast corner of the parcel, at the east end of the rip-rap swale, there is what appears to be steps. Clearly identify on the plans what is to be constructed there and provide a detail if necessary for construction purposes.
4. Provide a profile view, including 100-yr Q and HGL, of the proposed 24" RCP on Alta Drive.
5. CLV does not accept Type A inlets. Use Type CM2 or DM2 per CCAUSD 412.1 or Type CM per 422.
6. Provide drop inlet details, including: Inlet type and length, station, length and number of grates, TC elevation and invert elevation.

7. Provide a list of drainage materials table. If the table has already been included on another sheet, include that sheet with the next submittal.

***** 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:

1st Submittal DS and Plans (for first and original submittal);

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

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

1st Submittal DS (for the report of the drainage study)

1st Submittal Plan 1 (could be the drainage condition maps)

1st 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
NW

T/R/S: T20S/R60E/S36
AREA L36