

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: February 20, 2024
TO: Land Development Services Department of Community Development – Building & Safety Division		FROM: Tyler Key Flood Control Engineering Associate Department of Public Works
SUBJECT:	Drainage Study for: Bracken Elementary School	COPIES TO: Taney Engineering
Cross Streets:	NEC of 27 TH Street and Jansen Avenue	Clark County School District
File Number:	F:\Depot\DSMemos\DS5700C.doc	Bart Anderson, P.E., DevCo
Parcel Number:	139-25-202-001	
Zoning Action:	23-0485-SDR; 23-0485-VAR; 23-0485-MSP	
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	8/30/2023	9/13/2023	Not Approved	\$400.00	5418530: \$400
2 nd Submittal	10/23/2023	11/8/2023	Not Approved	\$400.00	5496534: \$400
3 rd Submittal	2/7/2024	2/20/2024	See Comments Below	\$400.00	5623935: \$400
TOTAL FEES (LDDRS):				\$1,200.00	----

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.

- Swales that have a slope of less than 1% must be concrete lined. Review and revise all landscape swales under 1% slope.
- There is a 4% and 1.2% cross slope through a basketball court, reroute the flowline around the playing field/basketball court.
- Explain why a drywell is proposed, rather than draining the landscape area further north or west.
- Provide a flowline, with spot elevations, for the landscape area draining to the dry well. Add a grate elevation for the dry well.
- Provide a geotechnical report, for the dry well, to obtain the percolation rate of soil and perform calculations to demonstrate that the drainage in the dry well will empty out in no more than 24-hours.
- Provide a note on the grading plans stating, "All onsite storm drains are to be privately owned and maintained by the school."

***** 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
JRT/TJK

T/R/S: T20S/R61E/S25
AREA M-25