

<b>CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM</b>		<b>DATE:</b> August 11, 2022
<b>TO:</b> Land Development Services Department of Building & Safety		<b>FROM:</b> Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
<b>SUBJECT:</b> Drainage Study for: <b>Women's Cancer Center</b>		<b>COPIES TO:</b> VTN Nevada
<b>Cross Streets:</b>	NEC & SEC of Tonopah Drive & Pinto Lane	Charger Construction, LLC
<b>File Number:</b>	F:\Depot\DSMemos\DS5594A.doc	Bart Anderson, P.E., DevCo
<b>Parcel Number:</b>	139-33-302-008	
<b>Zoning Action:</b>	22-0097-SDR1	
<b>FEMA Flood Zone</b>	YES	NO <b>X</b>
<b>Proposed Storm Drain</b>	YES	NO <b>X</b>

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 <sup>st</sup> Submittal	7/20/2022	8/11/2022	See Comments Below	\$400	4907026: \$400
<b>TOTAL FEES (LDDRS):</b>					\$400

**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.

- Contact the City Engineer's Office to coordinate the development of this project with the Pinto Lane Phase 2 Capital Improvement project (702-229-6272), the Maryland Parkway Bus Rapid Transit project (702-229-2199), and any other public improvement projects adjacent to this site. Comply with the recommendations of the City Engineer.
- Tonopah Drive is super-elevated indicating that it will flow east towards Section ST1 and not toward the existing inlets west of the Tonopah Drive and Pinto Lane intersection. Adjust the offsite basin boundaries. Review and revise accordingly.
- Top width of the LID BMP swales must be a minimum of 4 FT and the slope less than or equal to 1.00%. Follow the design criteria provided in the CCRFCD Hydrologic Criteria and Drainage Design Manual Section 1503.4.5.
- The effectiveness of the proposed LID BMP are impeded by additional flow impacting the swales. Note that the flows produced by the 100-YR storms are not meant to be treated. Please have the LID BMP swales designed to accept the flow generated by the 2-YR storm.
- Flow is not allowed to travel over walls. Sheet GR shows that the flow in the common element is traveling east parallel to the proposed walls south of the north half of the project site, while Section J shows the opposite. Review and revise accordingly.

6. Show the high points and slopes on the grading sheets so we may confirm the pattern established by the delineated basins.

As an alternate each lot must be discussed in the drainage study, shown to be flood protected, and any necessary flood improvements shown on the grading plan.

**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**  
AYS/CAA

T/R/S: T20S/R61E/S33  
AREA M33