

CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: 03/07/2022
TO: Land Development Services Department of Building & Safety		FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT:	Drainage Study for:	COPIES TO:
Thrive Townhomes		Blue Diamond Civil Engineering
Cross Streets:	Shaumber Road and Hammer Lane	Ann Road I-215 Interchange LLC
File Number:	F:\Depot\DSMemos\DS05527B.doc	Bart Anderson, P.E., DevCo
Parcel Number:	126-36-101-008	
Zoning Action:		
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	12/02/2021	12/11/2021	Not Approved	\$400	496382: \$400
2 nd Submittal	02/17/2022	03/07/2022	See Comments Below	\$400	4656657: \$400
TOTAL FEES (LDDRS):				\$800	----

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.

The following are comments pertaining to the subject site specific drainage study and grading plans:

1. The site is also adjacent to the Clark County. The engineer must coordinate with *Clark County Public Works Department (CCPW)* and incorporate any concerns for boundary conditions along the northern border. CCPW concurrence is required prior to final acceptance of the study.
2. 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>

Please note that effective April 6, 2020, only electronic submittals to the CCRFCD will be accepted for regional concurrence. Contact cwang@regionalflood.org for direction.

When it's applicable, structural calculations of facilities must be approved by the City prior to submittal to the Clark County Regional Flood Control District for their review and concurrence.

***** Do not submit the Drainage Study to Clark County Regional Flood Control District (CCRFCD) prior to the Structural Design and Calculations being approved by the City Building & Safety Department**

3. Provide a summary table for prorated subbasin flows including concentration points. Sum of "Onsite Street Flow Calculation" is 115%. Also, depth shown on "Offsite Street Flow Calculations" doesn't match the Flowmaster calculation. Revise and reflect changes accordingly.
4. For FlowMaster Section C, revise curb type to match the grading plan.
5. For FlowMaster calculation for Area Drain @ Lot 25, can't locate the area drain in the grading plan next to Lot 25.
6. Revise FlowMaster calculation for "NDOT Type 2 along E. PL" to use grate area of 4' x 6' to match grading plan.
7. Revise construction callout for area inlet located Blossoming Hills and Prospering Valley. The FlowMaster calculation calls out 2'x2' drop inlet.
8. Sheet GP-1: Add cutoff wall in front of concrete apron, change concrete thickness to 6-inch, and revise profile sheet to show concrete apron. Provide proposed grading at the 30-inch pipe inlet area and along the 30-inch pipe. Provide construction callout for 4-inch area inlet north of Lot 31. Add top of wall elevation and bottom of footing elevation at the northeast corner of property and at Junction Structure #2.
9. Sheet GP-2: Label slope for the Eastern channel. Label area inlet grate elevations. Provide concrete collar detail for construction note 34 and detail.
10. Sheet GP-4: Label TW/BF elevations for all corners around Junction Structure #1 and beginning of 18-inc RCP area. Provide proposed grading along proposed 30-inch RCP. Change manhole callout to Type III (406.1). Provide outlet protection of 30-inch RCP. Provide supporting calculation for Outlet protection.
11. Sheet PP-7: Label Top of Headwall elevation. Revise profile to include concrete apron area.
12. Sheet DT-1: Label pipe offset from property line on Section F. Provide detail for area Inlet.
13. Sheet DT-2: Provide structural calculation for pipe penetration and provide detail.
14. Sheet DT-3: Change access gate to use portion of the Standard Drawing 425.S1. Provide fall protection along the Steps. Change concrete apron thickness to 6-inch.
15. **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

T/R/S: T19S/R59E/S36
AREA F-36