

CITY OF LAS VEGAS			DATE:			
INTER-OFFICE MEMORANDUM			October 23, 2017			
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:			
		Grand Canyon and Rosada	GCW Engineers / Surveyors			
Cross Streets:	Grand Canyon Drive and Rosada Way		Touchstone Living			
File Number:	F:\Depot\DSMemos\DS4924A.doc		Bart Anderson, P.E., DevCo			
Parcel Number:	125-31-701-005		CCPW			
Zoning Action:	TMP-71297					
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	10/5/2017	10/19/2017	See Comments Below	\$400	\$400
			TOTAL FEES (LDDRS):	\$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:
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. A review of the grading plan shows an elevation difference of approximately five-feet of cut/fill adjacent to developed properties. Sites with a grade difference of 2 feet above or below existing grades are required to have approval from the *City of Las Vegas Planning and Development Department*. The engineer must submit copies of the grading plans and detail sheet with a letter justifying the grade difference to the *City Planning Department* (229-6301). The engineer must provide *City Planning* approval with the next submittal.
2. The site is adjacent to the jurisdiction of Clark County. The engineer must coordinate with *Clark County Department of Public Works* (CCPW) and incorporate any concerns for boundary conditions along the pertinent borders. CCPW concurrence is required prior to final acceptance of the subject drainage study.
3. Per *Public Works Condition #4* of TMP-71297, quote: "Driveways along Washburn Road shall be designed to allow vehicles adequate space to enter the road facing forward. Backing into Washburn Road shall not be allowed".

It appears that based on this condition, a semi-circular driveway will be needed to accomplish the requirement. Please review and resolve accordingly.
4. The anticipated 100-year flows in *Washburn Road* and *Rosada Way* are deep and erosive. Provide erosion protection measures such as riprap in the roadside ditches. Provide riprap sizing calculations and revise the pertinent cross sections and construction notes accordingly.