



Street Flow Summary
(Existing and Developed Conditions)

Street	Right of Way Width (ft)	Hydraulic Cross-Section Identifier	10-Year Flow [Q10] (cfs)	10-year Velocity [v] (fps)	10-year Flow Depth [d] (ft)	10-year Velocity x Depth [v x d]	Dry Lane Width (Within 1/2 ROW) (ft)
Rosada Way	60	A	3	1.30	0.36	0.47	N/A
Jones Blvd.	100	B	0.5	1.34	0.21	0.28	34.29

Street Flow Summary
(Existing and Developed Conditions)

Street	Right of Way Width (ft)	Hydraulic Cross-Section Identifier	100-Year Flow [Q100] (cfs)	100-year Velocity [v] (fps)	100-year Flow Depth [d] (ft)	100-year Velocity x Depth [v x d]
Rosada Way	60	A	46	2.51	0.74	1.86
Jones Blvd.	100	B	116	3.69	0.95	3.51

Peak Flow Summary
Developed Condition

HEC-1 I.D.	Area (acres)	10-year Flow (cfs)	100-year Flow (cfs)
ND1	1.26	2	3
ST-ROS*	0.38	1*	1*
ECP-1 Ea.*	-	0*	42*
CD1	-	3	46
<- ND1+ST-ROS*+ECP-1 Ea*			
ND2	0.72	1	2
ECP-1 So.*	-	0*	116*

DRAINAGE LEGEND

- ND1 DRAINAGE BASIN LABEL
- CD1 CONCENTRATION POINT
- ONSITE BASIN BOUNDARY
- REFERENCED BASIN BOUNDARY
- $\frac{2}{3}$ Q10 FLOW IN CFS (10 YR.)
- $\frac{3}{2}$ Q100 FLOW IN CFS (100 YR.)
- $\frac{2}{3}$ Q10 STORM DRAIN FLOW
- $\frac{3}{2}$ Q100 STORM DRAIN FLOW
- $\frac{1}{1} (1.0)(1.2)$ Q10 (V10)(D10)
- $\frac{1}{1} (1.0)(1.2)$ Q100 (V100)(D100)
- BASIN FLOW DIRECTION
- COMBINED FLOW DIRECTION
- (A) HYDRAULIC CROSS-SECTION

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ONSITE DRAINAGE MAP
(DEVELOPED CONDITION)

DESERT PINES EQUINE
AT JONES AND ROSADA
CITY OF LAS VEGAS, NEVADA

PROJECT No.:	211123
DATE:	2/2/2022
SCALE:	1" = 30 FT
DRAWN BY:	JD
DESIGNED BY:	HN
CHECKED BY:	HN
SEAL:	

2/2/2022
 SHEET No.
DR2
 SHEET 2 OF 2
 DRAWING#

* REFERENCED FROM "TDS FOR 5975 W. Rosada Way (PMP-57754)", DS4736

A.P.N.:
125-36-302-001

BASIS OF BEARINGS:
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

BENCHMARK:
CITY OF LAS VEGAS BENCHMARK: 1LV9036SWW6, BEING A RIVET & PLATE IN TOP OF CURB AT NE CORNER LAMADRE WAY & JONES, 694.67 METERS OR 2,279.11 U.S. SURVEY FEET