



DRAINAGE LEGEND	
<b>ND1</b>	DRAINAGE BASIN LABEL
●	CONCENTRATION POINT
<b>CMD1</b>	COMBINATION POINT
—	ONSITE BASIN BOUNDARY
- - - - -	OFFSITE BASIN BOUNDARY
$\frac{2}{3}$	Q10 FLOW IN CFS (10 YR.)
Q100	FLOW IN CFS (100 YR.)
$\frac{1}{1} (1.0)(1.2)$	Q10 (V10)(D10)
$\frac{1}{1} (1.0)(1.2)$	Q100 (V100)(D100)
→	BASIN FLOW DIRECTION
①	HYDRAULIC CROSS-SECTION

**Peak Flow Summary**  
(Developed Condition)

HEC-1 ID	Area (acres)	10-year Flow (cfs)	100-year Flow (cfs)
FD1	29.38	29	67
*REF. FLOW	-	*103	*334
FD2	2.72	5	9
ND1	3.08	3	7
ND2	5.60	6	13
ND3	0.86	1	2
CPD1	-	117	366

(CLV MPU)  
(REF. FLOW=FD2+ND1+ND2+ND3)

**On-site Sections**  
(Developed Condition)

Hydraulic Cross-Section Identifier	100-Year Flow [Q100] (cfs)	100-Year Velocity [v] (fps)	100-Year Flow Depth [d] (ft)	2x 100-Year 2 x [d]
D	3	2.19	0.33	0.72
E	5	2.29	0.46	1.05
F	6	1.95	0.19	0.37
G	6	2.00	0.20	0.40

**Street Flow Summary**  
(Developed Condition)

10-year, 6-hour Storm

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)
Rainbow Boulevard	90	A	29	2.45	0.74	1.81	22.5
Vegas Drive	80	B	*103	5.32	0.82	4.36	5.5
Vegas Drive	80	C	117	5.45	0.76	4.14	4.4

**Street Flow Summary**  
(Developed Condition)

100-year, 6-hour Storm

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]
Rainbow Boulevard	90	A	67	3.11	0.92	2.86
Vegas Drive	80	B	*334	7.91	1.12	8.86
Vegas Drive	80	C	366	8.18	1.06	8.67

\*REFERENCED CITY WIDE HYDROLOGY STUDY MPU

LEGEND	DESCRIPTION
CL OR SURVEY LINE	BUILDING OUTLINE
PROPERTY LINE	EDGE OF PAVEMENT
ROW LINE	"A" TYPE CURBS
EASEMENT LINE	"L" TYPE CURBS
SAWCUT LINE	WALLS
SCARP LINE	CONTOUR LINES
EXISTING:	AC PAVEMENT
PROPOSED:	CONCRETE
	SPOT ELEVATIONS
	SIGNS
	MANHOLE W/ DESCRIPTION
	MANHOLE DESCRIPTIONS
	FIRE HYDRANTS
	GATE VALVES
	REDUCERS
	CLEAN OUTS
	UTILITY BOX OR VAULT
	60' ROW LED STREETLIGHTS
	80' ROW LED STREETLIGHTS
	100' ROW LED STREETLIGHTS
	INTERSECTION STREETLIGHTS

DESCRIPTION:

BY:

DATE:

REV.:

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**Lochsa**  
engineering

**ONSITE DRAINAGE MAP**  
(DEVELOPED CONDITION)

**RAINBOW APARTMENTS 240 LLC**

SHEET: PROJECT No.: 211075

DATE: 10/27/2021

SCALE: 1"=20'

DRAWN BY: CB

DESIGNED BY: CB

CHECKED BY: CB

SEAL  
TED T. EGERTON  
PROFESSIONAL ENGINEER-STATE OF NEVADA  
EXP. 12-31-22  
CIVIL  
No. 11286

October 27, 2021

SHEET No.  
**DR2**  
SHEET 2 OF 2  
OFFSITE HTE No.