

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 R.O.W. (ft)
Smoke Ranch Road	100	5	14	3.70	0.56	2.07	Meets
Smoke Ranch Road	100	6	40	3.85	0.64	2.46	20.10
Maverick Street	60	7	20	2.71	0.57	1.54	N/A
Maverick Street	60	8	9	1.51	0.67	1.01	N/A

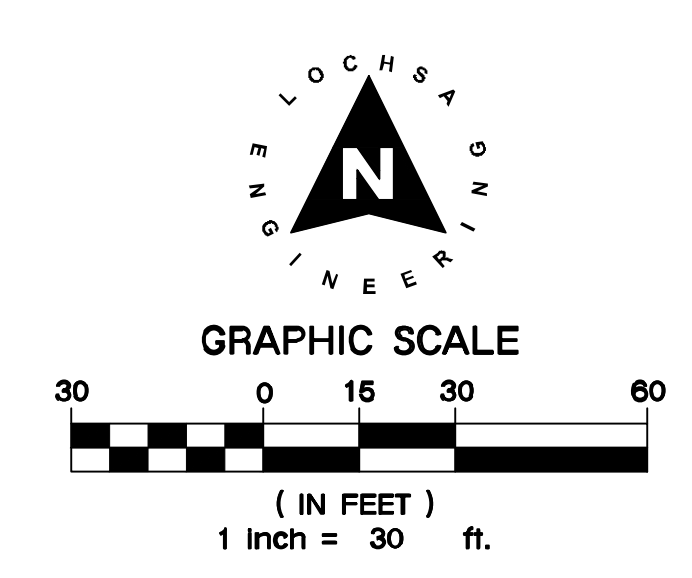
Street Flow Summary (Developed Condition)

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)	Dry Lane Width within 1/2 R.O.W. (ft)
Smoke Ranch Road	100	5	459	7.94	1.40	11.12	
Smoke Ranch Road	100	6	508	8.01	1.26	10.09	
Maverick Street	60	7	42	3.49	0.66	2.30	
Maverick Street	60	8	16	1.71	0.77	1.32	

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)	100-Year V x d
A	6	2.51	0.59	1.48
B	17	2.33	0.36	0.84
C	2	2.14	0.41	0.88



DRAINAGE LEGEND

- ND1** DRAINAGE BASIN LABEL
- CONCENTRATION POINT
- COMBINATION POINT
- ONSITE BASIN BOUNDARY
- OFFSITE BASIN BOUNDARY
- 2** Q10 FLOW IN CFS (10 YR.)
- 3** Q100 FLOW IN CFS (100 YR.)
- 1 (1.0)(1.2)** Q10 (V10)(D10)
- 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)
ND1	4.47	5	12
NI2	0.24	<1	1
FD2	15.19	20	42
CPD1	-	20	42
ND3	1.03	2	4
ND6	2.30	4	8
CPD2	-	6	12
NI8	0.27	<1	1
FD3	4.31	8	15
NI9	0.59	1	2
SMK	2.74	5	9
*CLV MPU	-	0	432
CPD3	-	14	459
ND4	1.68	3	6
ND5	4.99	9	17
CPD4	-	12	23
FD1	5.99	9	18
ND7	2.62	5	9
CPD5	-	40	508

*CLV MPU FIGURE F-15 (APPENDIX C)

*CLV MPU FIGURE F-15 (APPENDIX C)
REFER TO OFF (APPENDIX C) FOR OFFSITE BASIN MAP

REVISIONS:

REV.	DESCRIPTION:	DATE:

SEAL:

DATE: 07/26/2023
DRAWN BY: JCO
CHECKED BY: EL
SUBMITTED: []
A/E: PROJECT NO. 22-017

CONSULTANT: **Lochsa Engineering**
8882 SPANISH RIDGE AVENUE - LAS VEGAS, NV 89148
(702) 251-8896 • FAX (702) 251-8876 • WWW.CSDARCHITECTURE.COM
PROJECT FOR PERSONS MUST BE SEEN AND FOR THE CONSTRUCTION OF THE BUILDING. ANY USE OF THE DRAWING FOR ANY OTHER PURPOSE OR IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF CARPENTER SELLERS DEL GATTO ARCHITECTS.

CONSTRUCTION MGMT. DATE:

BUILDING DEPARTMENT:

ASBESTOS WORK IS:
REQUIRED NOT REQUIRED

MPID: **0001643**

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT 1180 MILITARY TRIBUTE PL HENDERSON NV 89074 PHONE: 702-799-8710

BRINLEY M.S. REPLACEMENT
DEVELOPED DRAINAGE MAP

FACILITY & ADDRESS:
2480 MAVERICK ST., LAS VEGAS, NV 89108

SHEET NO: **DR2** CLV NO: XXXX-XXXX
CLV DWG#: XXXXXXXX
SHEET OF