



FX1
9.70 ACRES

****WA19A**
18.99 ACRES

ND1
0.51 ACRES

ND2
1.94 ACRES

FX2
0.66 ACRES

FX4
0.79 ACRES

ND3
0.58 ACRES

FD3
0.86 ACRES

Street Flow Summary (Developed Condition)							
10-year, 6-hour Storm							
Street	Right of Way Width (ft)	Hydraulic Cross-Section Identifier	10-Year Flow (cfs)	10-Year Velocity (fps)	10-Year Flow Depth (ft)	10-Year Velocity x Depth (ft x d)	Dry Lane Width (within 1/2 ROW) (ft)
D Street	70	1	1	1.54	0.30	0.46	N/A
Jefferson Avenue	60	2	12	3.59	0.49	1.76	N/A
C Street	60	3	2	1.41	0.33	0.47	N/A
100-year, 6-hour Storm							
Street	Right of Way Width (ft)	Hydraulic Cross-Section Identifier	100-Year Flow (cfs)	100-Year Velocity (fps)	100-Year Flow Depth (ft)	100-Year Velocity x Depth (ft x d)	
D Street	70	1	1	1.54	0.30	0.46	
Jefferson Avenue	60	2	27	3.75	0.61	2.29	
C Street	60	3	3	1.73	0.35	0.61	

Peak Flow Summary			
Interim / Developed Conditions			
HEC-1 ID	Area (acres)	10-year Flow (cfs)	100-year Flow (cfs)
FX1	9.70	12	25
ND1	0.51	1	2
CPD1	-	12	27
ND2	1.94	4	7
FD3	0.86	2	3
CPD2	-	5	10
FX2	0.66	1	2
FX4	0.79	1	2
ND3	0.58	1	2
CPD3	-	8	16

DRAINAGE LEGEND

- ND1** DRAINAGE BASIN LABEL
- CONCENTRATION POINT
- CMD1** COMBINATION POINT
- ONSITE BASIN BOUNDARY
- - -** OFFSITE BASIN BOUNDARY
- 2** / **3** FLOW IN CFS (10 YR.)
- 1 (1.0)(1.2)** / **1 (1.0)(1.2)** FLOW IN CFS (100 YR.)
- Q10 (V10)(D10)**
- Q100 (V100)(D100)**
- BASIN FLOW DIRECTION

CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	BUILDING OUTLINE	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	CONTOUR LINES	AC PAVEMENT	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
---	---	EXISTING:	---	---	---	---	---	---	---	---	---	---	---	① = SANITARY SEWER	⊕	⊕	▶	○	□	○	○	○	○
---	---	PROPOSED:	---	---	---	---	---	---	---	---	---	---	---	② = STORM DRAIN	⊕	⊕	▶	○	□	○	○	○	○
---	---		---	---	---	---	---	---	---	---	---	---	---	③ = ELECTRICAL	⊕	⊕	▶	○	□	○	○	○	○
---	---		---	---	---	---	---	---	---	---	---	---	---	④ = TELEPHONE	⊕	⊕	▶	○	□	○	○	○	○

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Lochsen
 engineering

DRAINAGE BASIN MAP (DEVELOPED CONDITION)
WLVC EXPANSION CITY OF LAS VEGAS NEVADA

SHEET No. **DR2**
 SHEET **2** OF **2**
 PW No.

PROJECT No.: 211175
 DATE: JANUARY 9, 2023
 SCALE: 1"=30'
 DRAWN BY: CB
 DESIGNED BY: CB
 CHECKED BY: CB
 DIGITAL SIGNATURE:

SEAL
 CIVIL
 No. 14526
 01/09/2023