



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)	Dry Lane Width (within 1/2 ROW) (ft)
D Street	70	1	1	1.54	0.30	N/A
Jefferson Avenue	60	2	12	3.59	1.76	N/A
C Street	60	3	2	1.41	0.33	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 (cfs)	100-Year Velocity (fps)	100-Year Flow Depth (ft)	100-Year Velocity x Depth (v 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
●	COMBINATION POINT
———	ONSITE BASIN BOUNDARY
- - - - -	OFFSITE BASIN BOUNDARY
2 3	Q10 FLOW IN CFS (10 YR.)
1 (1.0)(1.2)	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

LEGEND CL OR SURVEY LINE PROPERTY LINE ROW LINE	EASEMENT LINE SAWCUT LINE SCARP LINE	DESCRIPTION: EXISTING: PROPOSED:	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	"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	"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	"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
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Lochsa
Engineering

DRAINAGE BASIN MAP
(DEVELOPED CONDITION)

WLVETC EXPANSION
CITY OF LAS VEGAS
NEVADA

PROJECT No.: 211175 DATE: MARCH 13, 2023 SCALE: 1"=30' DRAWN BY: CB DESIGNED BY: CB CHECKED BY: CB DIGITAL SIGNATURE:	SHEET No. DR2 SHEET 2 OF 2 PW No.
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