

LEGEND

EON2 SUBBASIN NAME
Q100 PRORATED SUBBASIN NAME
 PRORATED SUBBASIN BOUNDARY
 SUBBASIN BOUNDARY
 CP1 CONCENTRATION POINT
 FLOW DIRECTION
 CROSS SECTION
 EXISTING STORM DRAIN

NORTH

SCALE FEET

**DEVELOPED CONDITIONS
SUBBASIN FLOW RATE SUMMARY**

Subbasin ID	Area (acres)	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)
D1	6.8	13	5

* Flow rate referenced from CLV Central Neighborhood Flood Control Master Plan

**ULTIMATE CONDITION 100-YR
PRORATED FLOW SUMMARY**

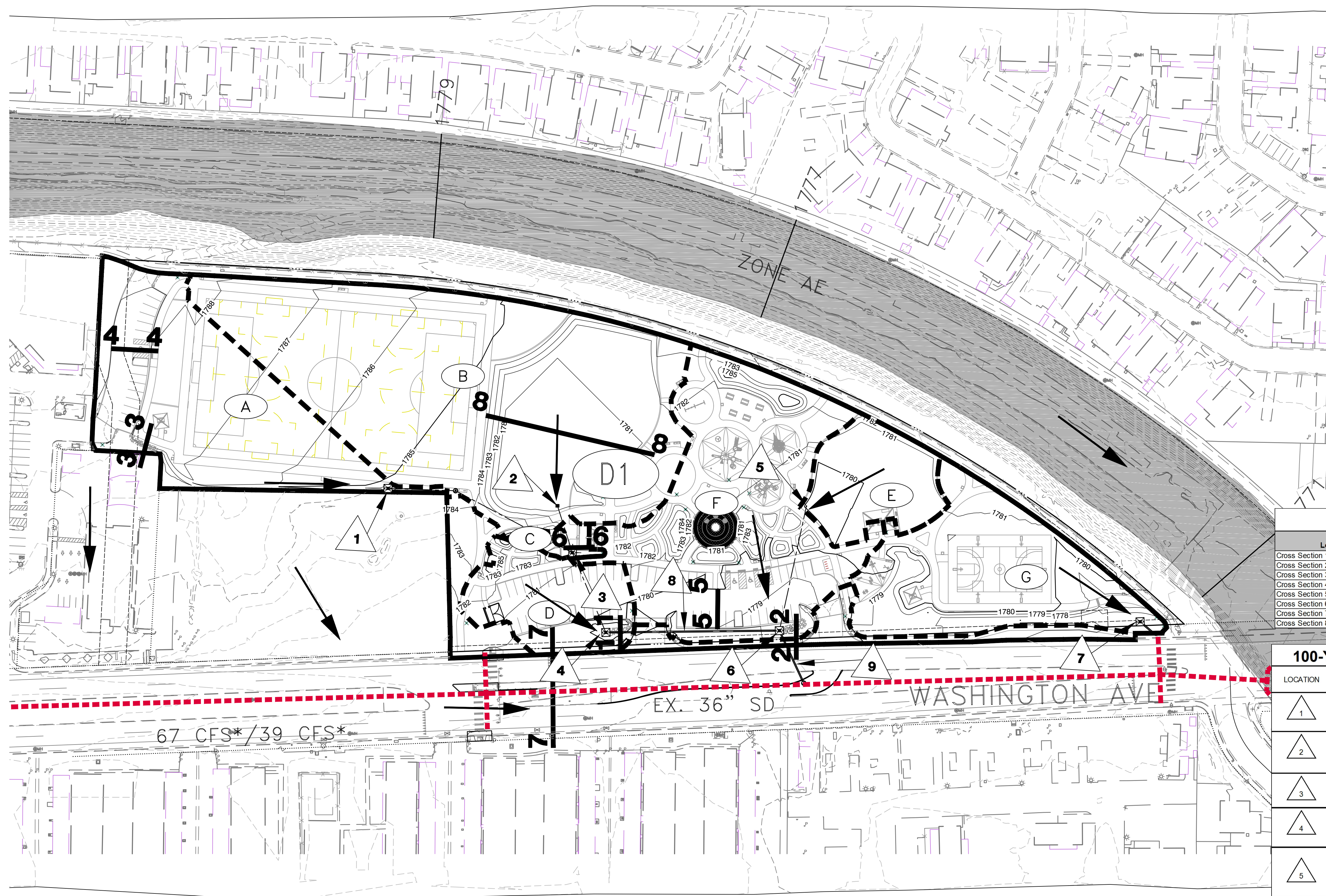
Ultimate			
Subbasin	Q ₁₀₀ (cfs)	Area (acres)	cfs/acre
D1	13	6.8	1.91
Ultimate Prorated Basins			
Subbasin	Q ₁₀₀ (cfs)	Area (acres)	cfs/acre
A	2	1.1	1.91
B	4	2.1	1.91
C	< 0.5	0.1	1.91
D	1	0.4	1.91
E	1	0.4	1.91
F	3	1.6	1.91
G	2	0.9	1.91

**100-YEAR STREETS/ONSITE FLOW CHARACTERISTICS
ULTIMATE CONDITIONS**

Location	Slope (%)	Q ₁₀₀ (cfs)	Depth (ft)	Velocity (ft/s)	D/V	Note
Cross Section 1-1	1.00	1	0.41	1.51	N/A	BMP Swale
Cross Section 2-2	1.00	3	0.61	2.00	N/A	BMP Swale
Cross Section 3-3	1.00	2	0.53	1.81	N/A	BMP Swale
Cross Section 4-4	0.47	2	0.32	1.29	0.4	
Cross Section 5-5	0.67	3	0.36	1.79	0.6	
Cross Section 6-6	1.00	0.5	0.24	1.41	N/A	
Cross Section 7-7	0.40	54	0.71	2.54	1.8	
Cross Section 8-8	0.50	4	0.18	1.11	N/A	

100-YEAR FLOOD PROTECTION FACILITIES

LOCATION	Ultimate Tributary Subbasins	Q ₁₀₀ ULT (cfs)	FACILITY
1	A (2 CFS)	2	NDOT TYPE 2 SINGLE GRATE W/ 15" SD
2	B (4 CFS)	4	NDOT TYPE 2 SINGLE GRATE W/ 15" SD
3	C (<0.5 CFS)	< 0.5	NDOT TYPE 2 SINGLE GRATE W/ 15" SD
4	D (1 CFS)	1	NDOT TYPE 2 SINGLE GRATE W/ 18" SD
5	E (1 CFS)	1	12" SQUARE CATCH BASIN SINGLE GRATE W/ 15" SD
6	F (3 CFS)	3	NDOT TYPE 2 SINGLE GRATE W/ 18" SD
7	G (2 CFS)	2	NDOT TYPE 2 SINGLE GRATE W/ 18" SD
8	A (2) + B (4) + C (0.5) + D (1)	7.5	18" SD
9	A (2) + B (4) + C (0.5) + D (1) + E (1) + F (3)	11.5	18" SD



% COMPLETE

DATE	AGN APP	DATE	AGN APP	DATE	REV	DESCRIPTION

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 WASHINGTON LAS VEGAS WASH PARK
 FIGURE 6
 PROPOSED CONDITIONS DRAINAGE MAP

DRAWING
FIG6
 1 OF 1 SHTS