

DRAINAGE LEGEND	
ND1	DRAINAGE BASIN LABEL
●	CONCENTRATION POINT
CMD1	COMBINATION POINT
---	ONSITE BASIN BOUNDARY
---	SOIL BOUNDARY
$\frac{2}{3}$	Q10 FLOW IN CFS (10 YR.)
$\frac{1}{1(1.0)(1.2)}$	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
---	OFFSITE BOUNDARY

Peak Flow Summary
Existing Condition

HEC-1 ID	Area (acres)	10-year Flow (cfs)	100-year Flow (cfs)
FD1	16.13	22	44
NX1	6.65	5	13
NX3	3.02	5	9
NX4	8.74	13	24
CPX1	-	3	6
		15	29

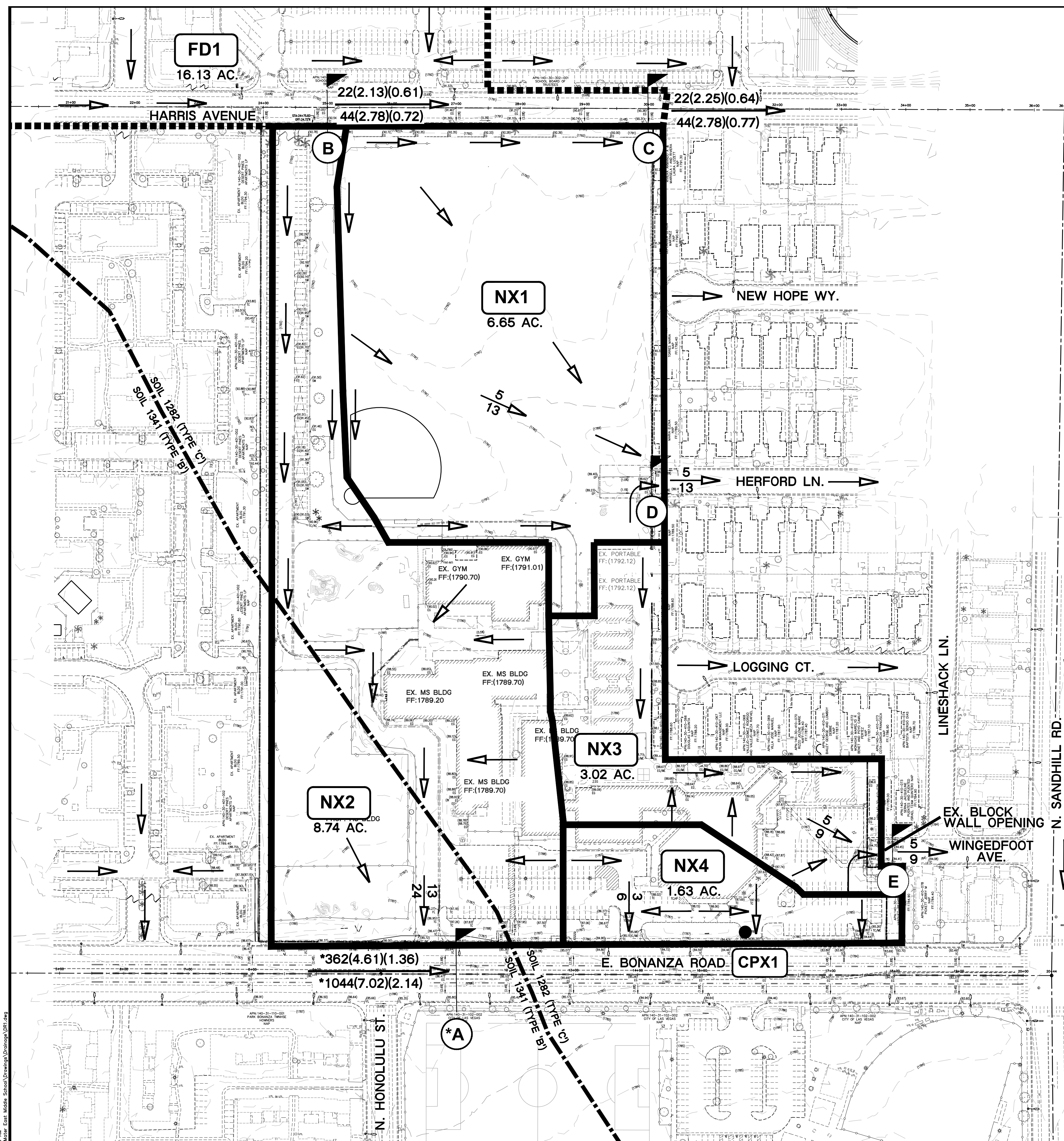
(NX2+NX4)

Street Flow Summary
(Existing Condition)

Street	Right of Way Width (ft)	Hydraulic Cross-Section Identifier	10-Year Flow [Q10] (cfs)	100-Year Velocity [V] (fps)	10-Year Flow Depth [d] (ft)	100-Year Velocity x Depth [v x d]	Dry Lane Width (within 1/2 ROW) (ft)
Bonanza	70	*A	362	4.61	1.36	6.27	N/A
Harris	100	B	22	2.13	0.61	1.30	N/A
Harris	100	C	22	2.25	0.64	1.44	N/A
Herford	50	D	5	1.71	0.42	0.72	N/A
Wingedfoot	50	E	5	1.90	0.37	0.70	N/A

Street Flow Summary
(Existing Condition)

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]
Bonanza	70	*A	1044	7.02	2.14	15.02
Harris	100	B	44	2.78	0.72	2.00
Harris	100	C	44	2.78	0.77	2.14
Herford	50	D	13	1.97	0.58	1.14
Wingedfoot	50	E	9	2.08	0.43	0.89



*FLOWS from CENTRAL NEIGHBORHOOD CLV MPU FIGURES E-11/F-11

LEGEND	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	
CL OR SURVEY LINE	EXISTING:	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	○ = SANITARY SEWER	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
PROPERTY LINE	PROPOSED:	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	○ = STORM DRAIN	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
ROW LINE		[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	○ = ELECTRICAL	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
EASEMENT LINE		[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	○ = TELEPHONE	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
SAWCUT LINE		[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]
SCARP LINE		[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]

PROJECT No.: 211066
 DATE: 9/20/21
 SCALE: 1"=40'
 DRAWN BY: CB
 DESIGNED BY: CB
 CHECKED BY: CB
 SHEET No. DR1
 SHEET 1 OF 2
 OFFSITE HTE. No.

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ONSITE DRAINAGE MAP
 (EXISTING CONDITION)
 MATER ACADEMY EAST PHASE III