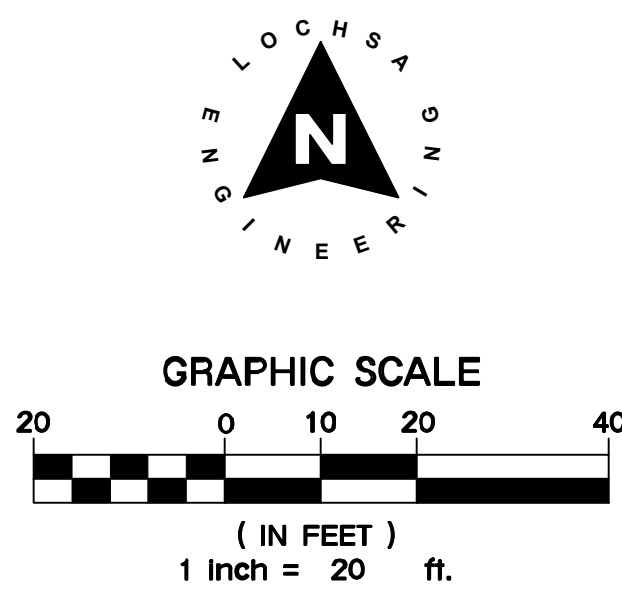
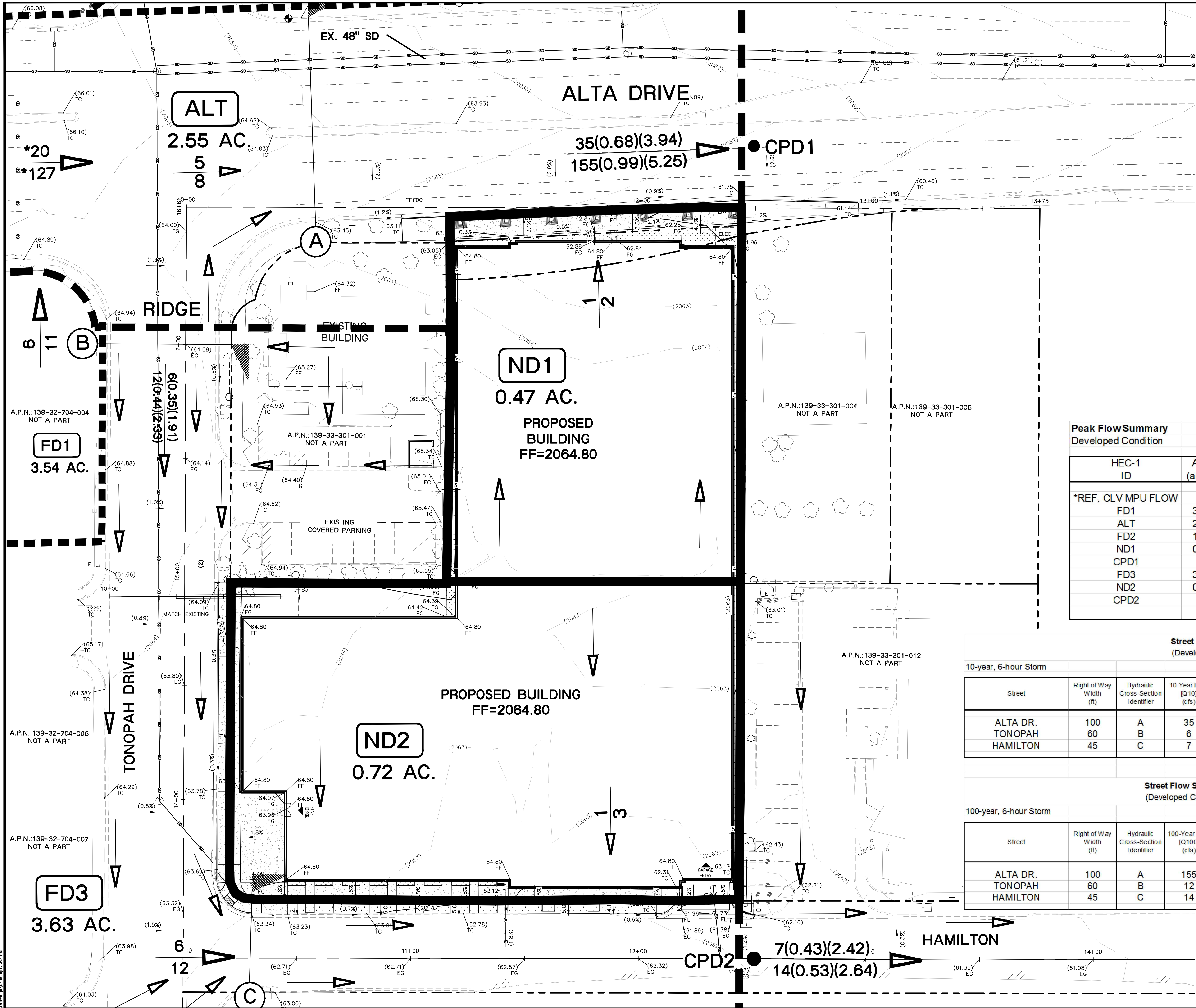




DRAINAGE LEGEND

ND1
• **CMD1**

--- ONSITE BASIN BOUNDARY
--- OFFSITE BASIN BOUNDARY

$\frac{2}{3}$
 $\frac{1}{1} \frac{(1.0)(1.2)}{(1.0)(1.2)}$

--- BASIN FLOW DIRECTION
--- COMBINED FLOW DIRECTION

① --- HYDRAULIC CROSS-SECTION

DRAINAGE BASIN LABEL
CONCENTRATION POINT
COMBINATION POINT
ONSITE BASIN BOUNDARY
OFFSITE BASIN BOUNDARY
Q10 FLOW IN CFS (10 YR.)
Q100 FLOW IN CFS (100 YR.)
Q10 (V10)(D10)
Q100 (V100)(D100)

Peak Flow Summary			
Developed Condition			
HEC-1 ID	Area (acres)	10-year Flow	100-year Flow
*REF. CLV MPU FLOW	-	*20	*127
FD1	3.54	6	11
ALT	2.55	5	8
FD2	1.90	3	6
ND1	0.47	1	2
CPD1	-	35	155
FD3	3.63	6	12
ND2	0.73	1	3
CPD2	-	7	14

(*REF. CLV MPU FLOW + FD1 + ALT + FD2 + ND1)
(FD3 + ND2)

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 ROW) (ft)
ALTA DR. TONOPAH HAMILTON	100	A	35	3.96	0.68	2.69	15.0
	60	B	6	1.91	0.35	0.67	N/A
	45	C	7	2.42	0.43	1.04	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]
ALTA DR. TONOPAH HAMILTON	100	A	155	5.26	0.99	5.21
	60	B	12	2.33	0.44	1.03
	45	C	14	2.64	0.53	1.40

*CLV MPU FLOWS

LEGEND	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
	PROPERTY LINE	SAWCUT LINE	EXISTING:												⑥ = SANITARY SEWER ⑦ = STORM DRAIN ⑧ = ELECTRICAL ⑨ = TELEPHONE									
	ROW LINE	SCARP LINE	PROPOSED:												12.34 BC									

PROJECT No.: 221050
DATE: 09/19/2022
SCALE: 1"=20"
DRAWN BY: CB
DESIGNED BY: CB
CHECKED BY: CB
DIGITAL SIGNATURE:

SEAL

09/19/2022
SHEET No.
DR2
SHEET 2 OF 2
PCVL No.

ON-SITE DRAINAGE MAP
DEVELOPED CONDITION

Lochsa
ENGINEERING
6945 South Jones Blvd.
Suite 100
Las Vegas, NV 89118
Tel: 702.365.9317
Fax: 702.365.9317
www.lochsa.com

**LAS VEGAS MEDICAL DISTRICT
193 UNIT APARTMENT COMPLEX
CITY OF LAS VEGAS, NEVADA**

DESCRIPTION:
REV: DATE: BY: