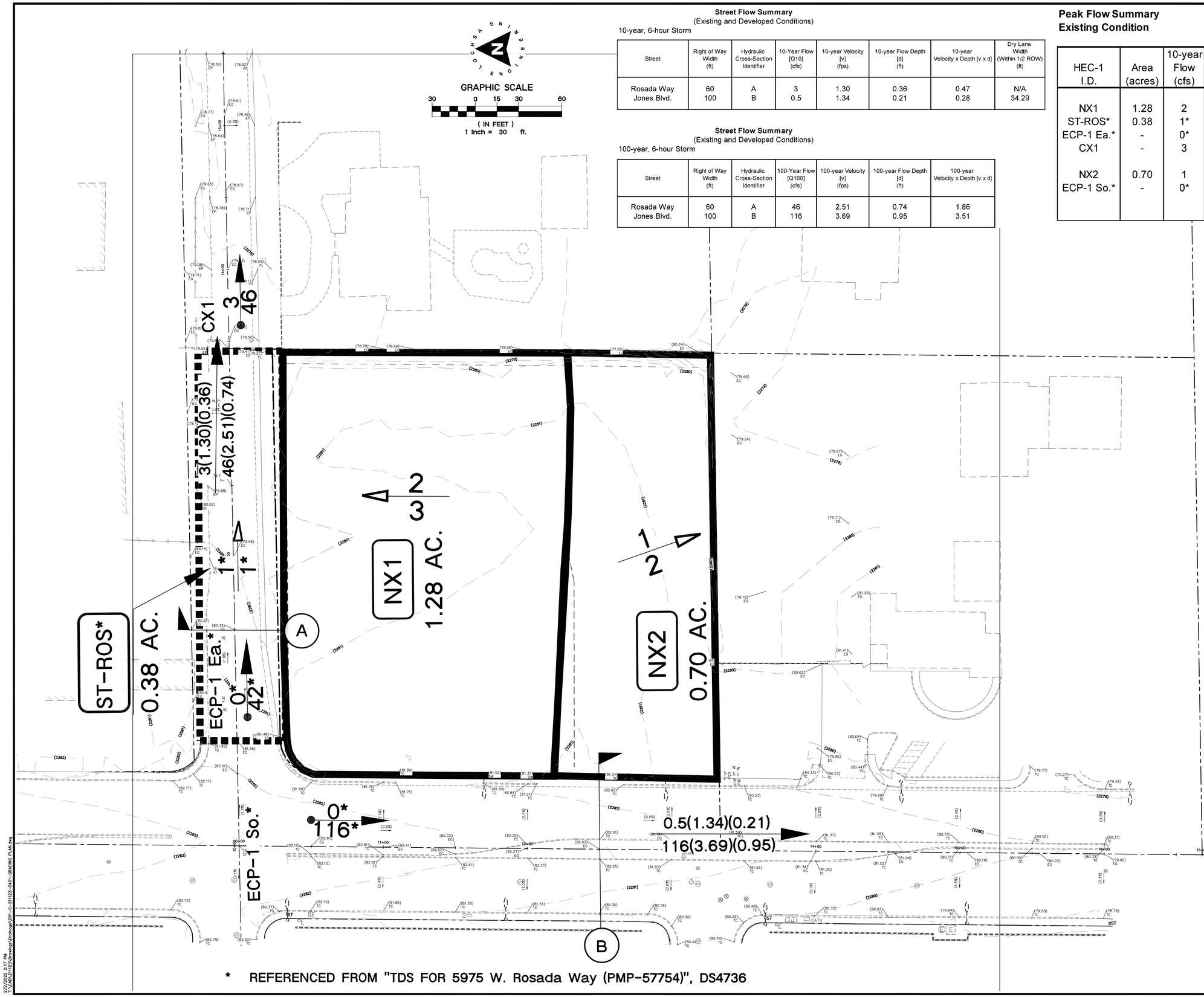

Street Flow Summary
(Existing and Developed Conditions)
10-year, 6-hour Storm

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)
Rosada Way	60	A	3	1.30	0.36	0.47	N/A
Jones Blvd.	100	B	0.5	1.34	0.21	0.28	34.29

Street Flow Summary
(Existing and Developed Conditions)
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]
Rosada Way	60	A	46	2.51	0.74	1.86
Jones Blvd.	100	B	116	3.69	0.95	3.51

Peak Flow Summary
Existing Condition

HEC-1 I.D.	Area (acres)	10-year Flow (cfs)	100-year Flow (cfs)	
NX1	1.28	2	3	
ST-ROS*	0.38	1*	1*	
ECP-1 Ea.*	-	0*	42*	
CX1	-	3	46	<- NX1+ST-ROS*+ECP-1 Ea*
NX2	0.70	1	2	
ECP-1 So.*	-	0*	116*	

DRAINAGE LEGEND

ND1	DRAINAGE BASIN LABEL
CD1	CONCENTRATION POINT COMBINATION POINT
	ONSITE BASIN BOUNDARY
	REFERENCED BASIN BOUNDARY
2 / 3	Q10 FLOW IN CFS (10 YR.) Q100 FLOW IN CFS (100 YR.)
2 / 3	Q10 STORM DRAIN FLOW Q100 STORM DRAIN FLOW
1 (1.0)(1.2) / 1 (1.0)(1.2)	Q10 (V10)(D10) Q100 (V100)(D100)
	BASIN FLOW DIRECTION
	COMBINED FLOW DIRECTION
A	HYDRAULIC CROSS-SECTION

A.P.N.:
125-36-302-001

BASIS OF BEARINGS:
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

BENCHMARK:
CITY OF LAS VEGAS BENCHMARK: 1LV9036SWW6, BEING A RIVET & PLATE IN TOP OF CURB AT NE CORNER LAMADRE WAY & JONES. 694.67 METERS OR 2,279.11 U.S. SURVEY FEET

* REFERENCED FROM "TDS FOR 5975 W. Rosada Way (PMP-57754)", DS4736

REV.:	DATE:	BY:	DESCRIPTION:

Lochsa engineering
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Phone (702) 365-9317
Fax (702) 365-9317
www.lochsa.com

SHEET
ONSITE DRAINAGE MAP
(EXISTING CONDITION)

TITLE
DESERT PINES EQUINE
AT JONES AND ROSADA
CITY OF LAS VEGAS, NEVADA

PROJECT No.: 211123
DATE: 1/28/2022
SCALE: 1"=30FT
DRAWN BY: JD
DESIGNED BY: HN
CHECKED BY: HN
SEAL
2/1/2022
SHEET No. DR1
SHEET 1 OF 2
DRAWING# ----
CLV #

2/2/2022 2:17 PM
Z:\CAD\211123\Drawings\Drainage\DR1-C-211123-C401-GRADING PLAN.dwg