

PRELIMINARY GRADING & DRAINAGE PLAN FOR NAVAJO LOFTS

OWNER

MKC HOLDINGS LLC
15010 N 78TH WAY SUITE 109
SCOTTSDALE, AZ 85260
PHONE: (602) 390-9401
CONTACT: KEITH HOLBEN
EMAIL: kh@mkcompany.com

ENGINEER

LANDCOR CONSULTING
6859 E. REMBRANDT AVE. #124
MESA, AZ 85212
PHONE: (480) 734-9157
CONTACT: JOEL D. MILLER, P.E.
EMAIL: joel@landcorconsulting.com

PROJECT DATA

ADDRESS: 10 NAVAJO DR
CITY OF SEDONA
408-24-5368
CO
TAX ASSESSORS PARCEL NUMBER: 196,020 SQFT. (4.5 ACRES)
ZONING: C1.1
PARCEL AREA: C1.2 - 1.3

LEGAL DESCRIPTION

PER 2019-0036008 YAVAPAI COUNTY RECORDER.

SHEET INDEX

COVER SHEET C1.1
PRELIMINARY GRADING & DRAINAGE PLAN C1.2 - 1.3

RETENTION CALCULATIONS

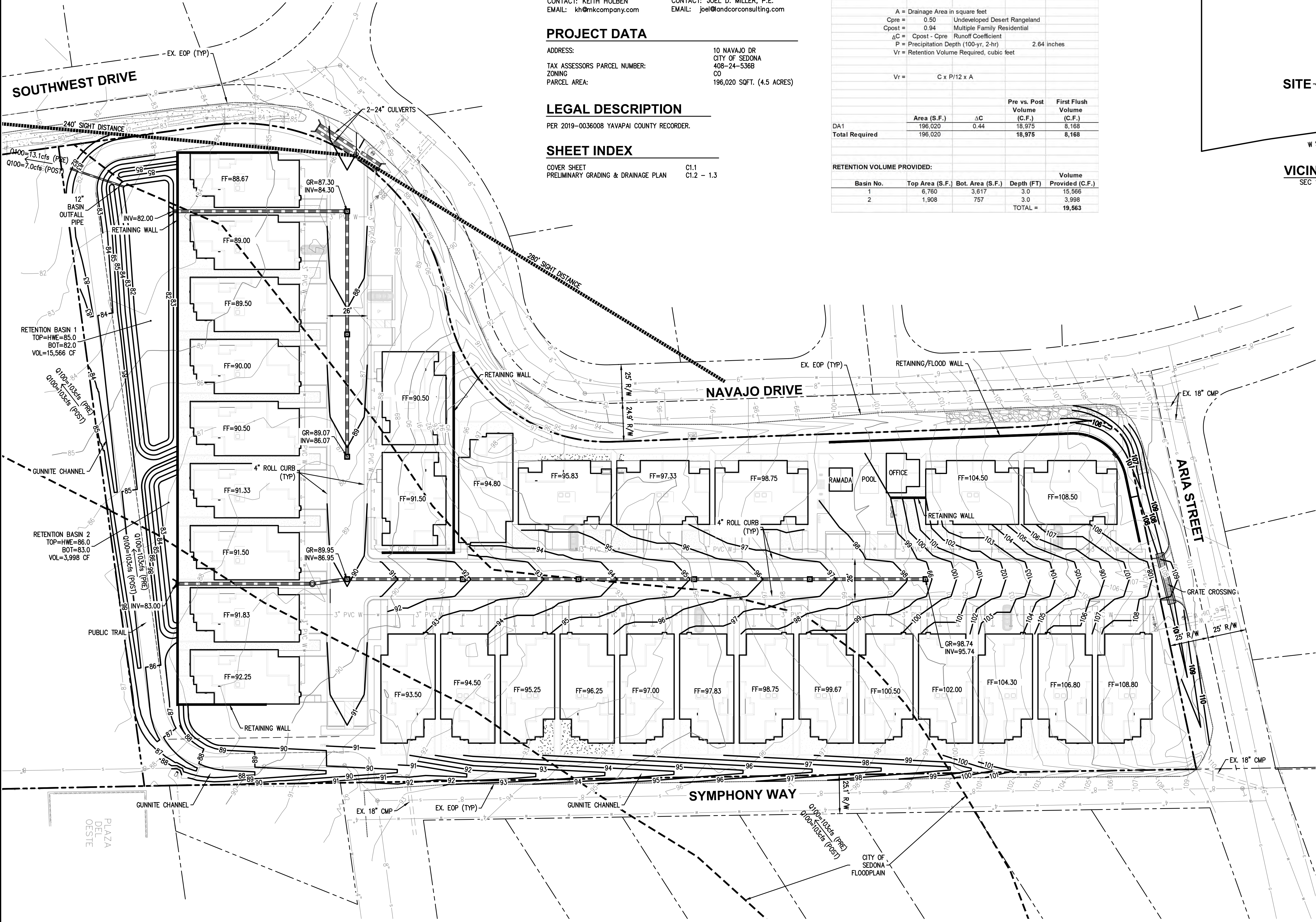
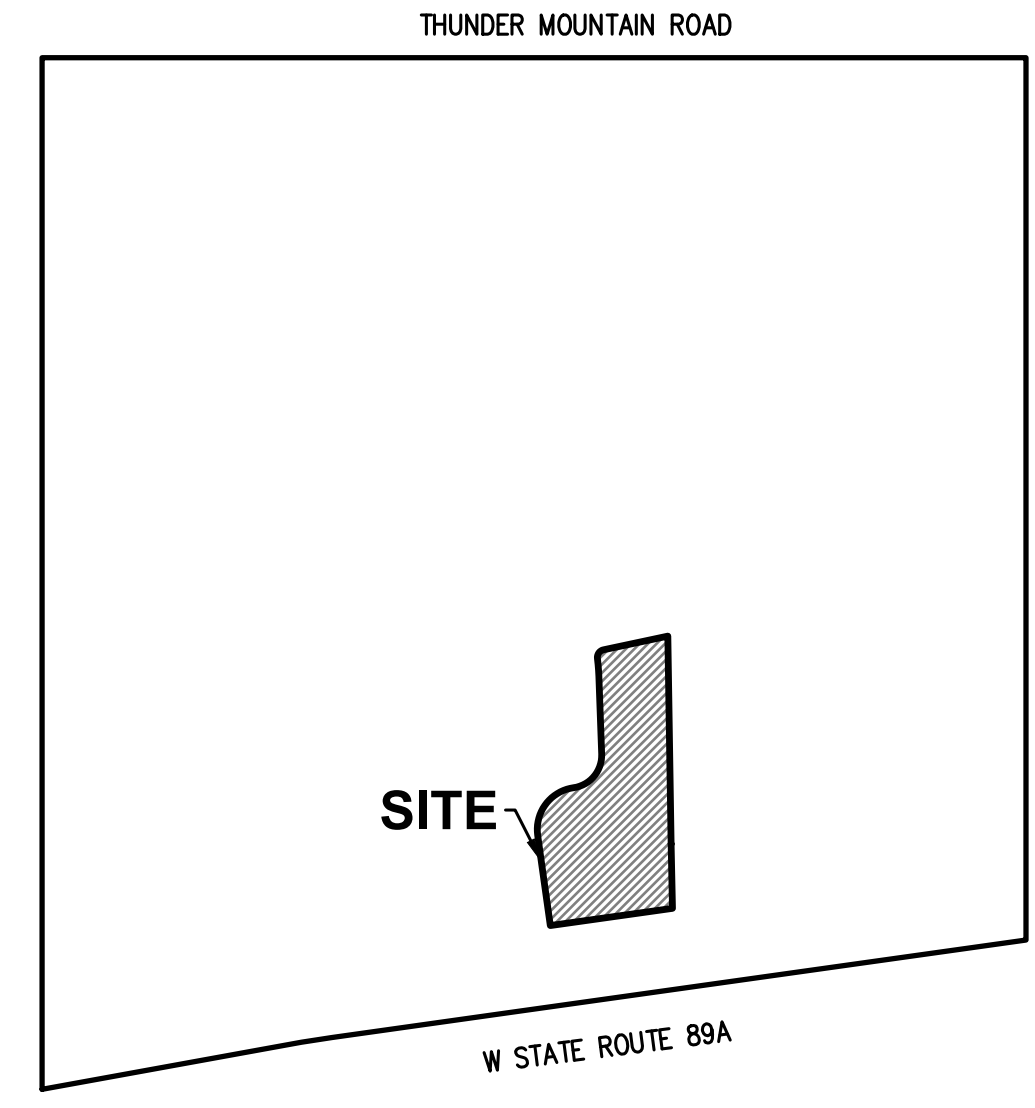
RETENTION VOLUME REQUIRED:

Area (gross)	A (S.F.)	4.50 AC
	196,020	
A = Drainage Area in square feet		
Cpre =	0.50	Undeveloped Desert Rangeland
Cpost =	0.94	Multiple Family Residential
$\Delta C = C_{post} - C_{pre}$ Runoff Coefficient		
P =	2.64 inches	Precipitation Depth (100-yr, 2-hr)
Vr = Retention Volume Required, cubic feet		
	$Vr = C \times P / 12 \times A$	

	Area (S.F.)	ΔC	Pre vs. Post Volume (C.F.)	First Flush Volume (C.F.)
DA1	196,020	0.44	18,975	8,168
Total Required	196,020		18,975	8,168

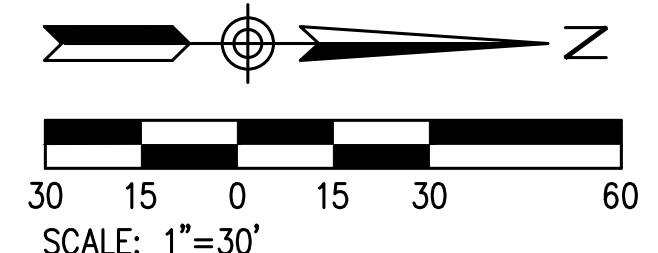
RETENTION VOLUME PROVIDED:

Basin No.	Top Area (S.F.)	Bot. Area (S.F.)	Depth (FT)	Volume Provided (C.F.)
1	6,760	3,617	3.0	15,566
2	1,908	757	3.0	3,998
TOTAL =				19,564



**PRELIMINARY
NOT FOR
CONSTRUCTION**

53735
JOEL D.
MILLER
Professional Engineer
No. 12345
Arizona, U.S.A.



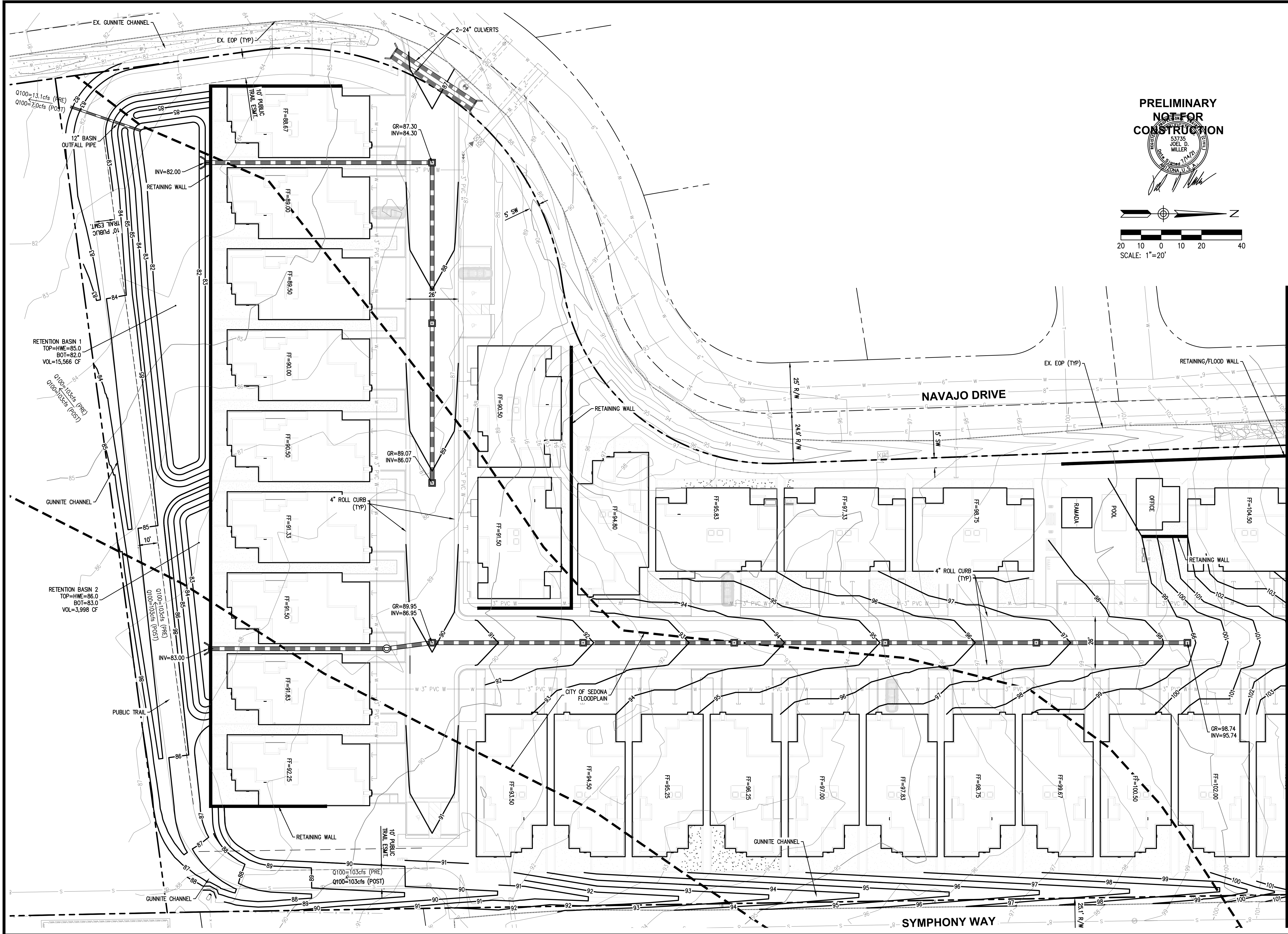
6859 E. Rembrandt Ave. #124
Mesa, AZ 85212
Ph: (480) 223-8573
landcorconsulting.com

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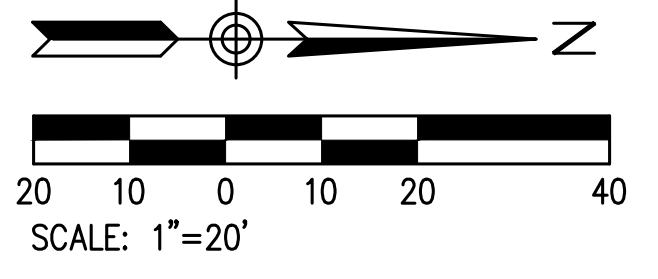
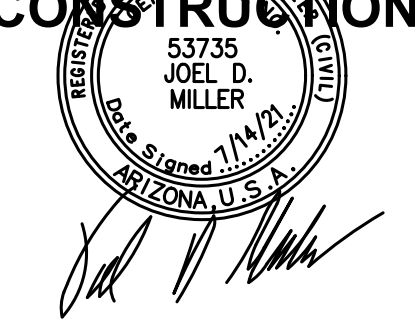
**NAVAJO LOFTS
PRELIMINARY GRADING & DRAINAGE PLAN**

10 NAVAJO DRIVE
SEDONA, ARIZONA

DATE:	
REVISIONS:	
PRELIMINARY GRADING & DRAINAGE PLAN	
DATE: 7/14/21	
PROJ. #: 1763	
C1.1	
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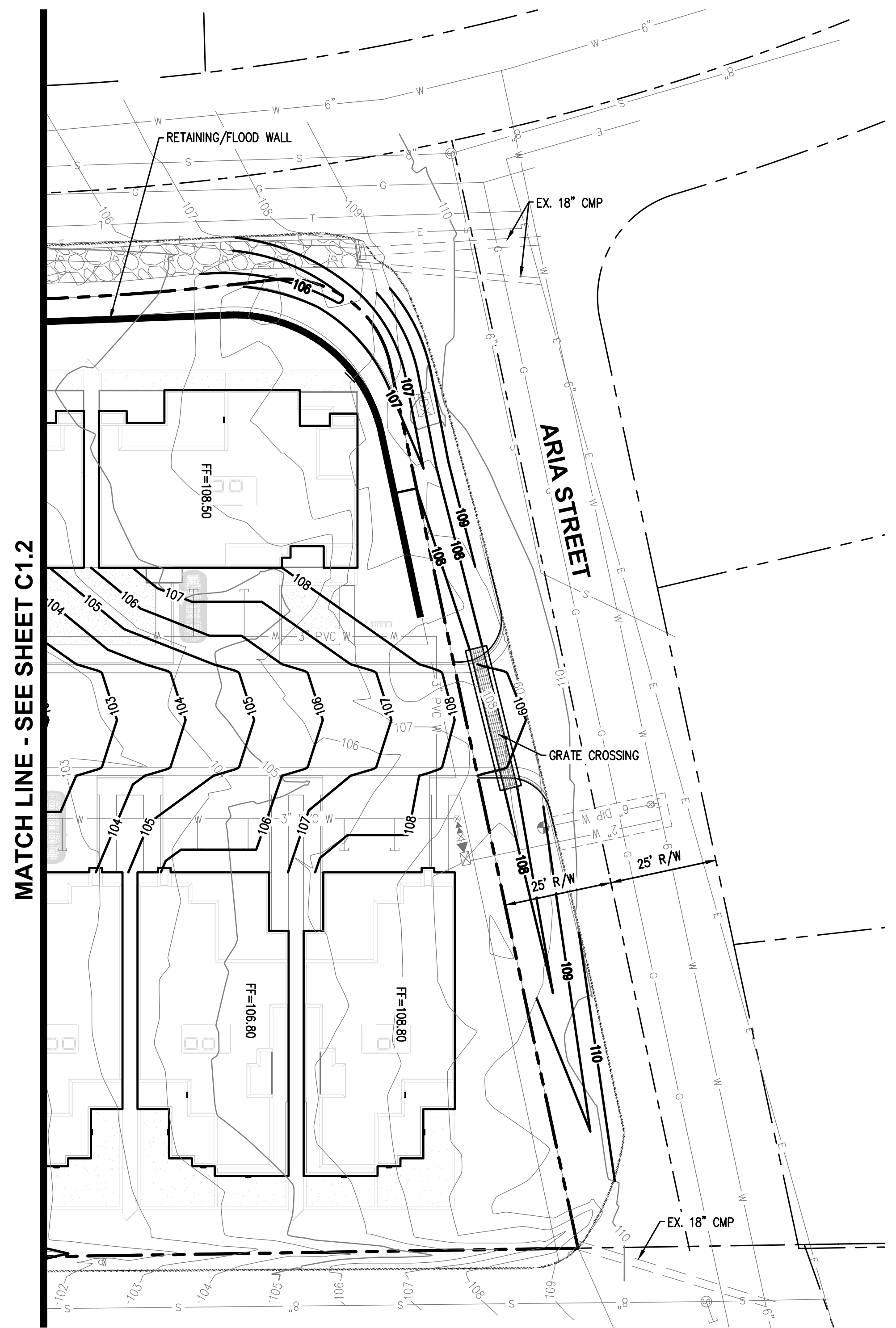
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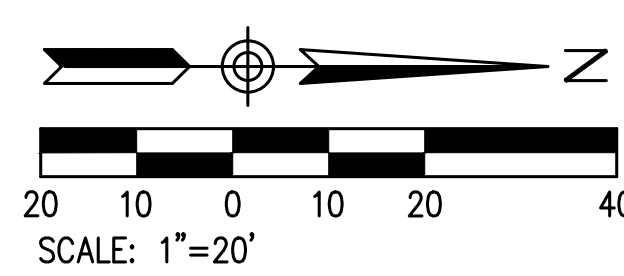
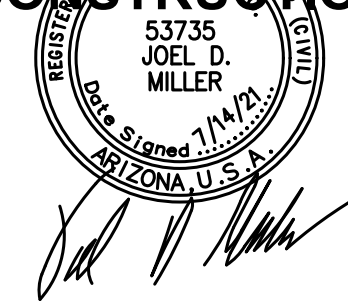
MATCH LINE - SEE SHEET C1.3

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REVISIONS:	DATE:
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	C1.2
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C1.3
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