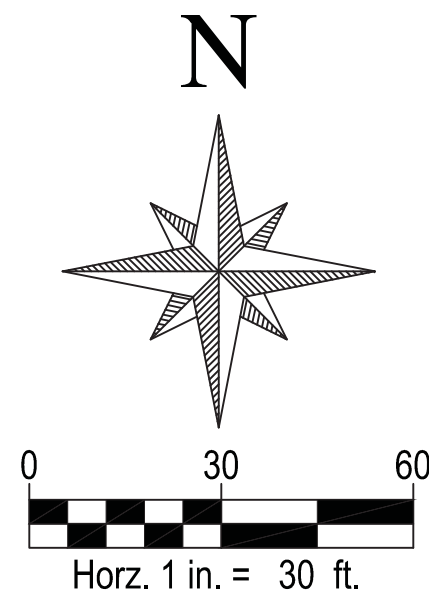




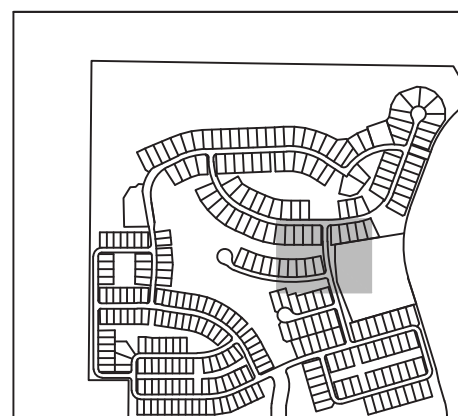
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RESERVE AT RED ROCK

PRELIMINARY PLAT
MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAT

[illegible]

KEY MAP

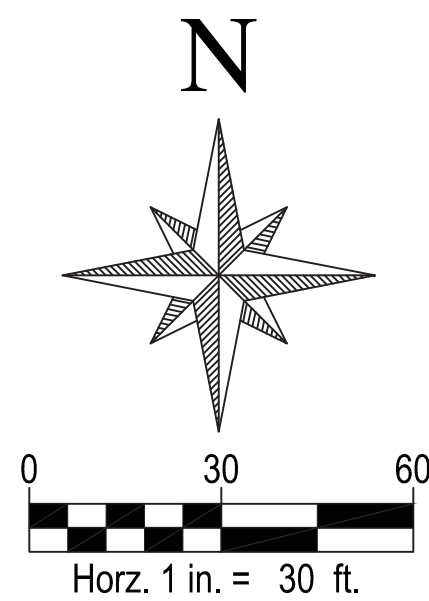
(CHECKED BY: DM DESIGNED BY: SM DRAFTED BY: CW/DO)

BASIN "M" VOLUME REQUIRED CALC

$$VR = (2.20''/12) \times (1.18 \times 0.71) = 0.15 \text{ AF}$$

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-036-GD-ZN.dwg

PR\$19-00489



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RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

KEY MAP

Professional Engineer Seal: Daniel W. Matthews, License No. 114961, State of Arizona, U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.) 1" = 30'

SCALE (VERT.) N/A

DATE 11/08/2019

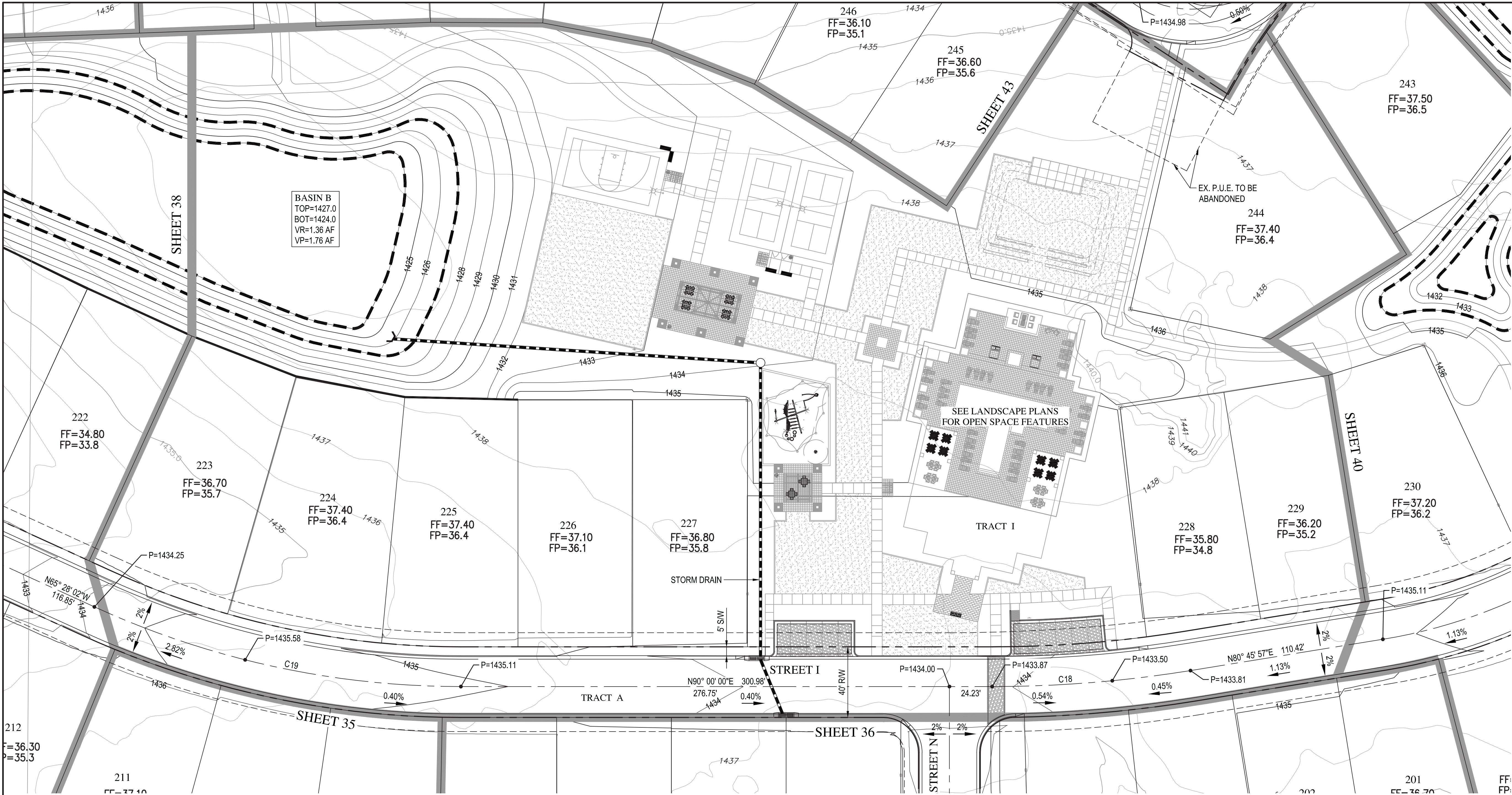
JOB NUMBER 194961

SHEET 38 OF 48

BASIN "B" VOLUME REQUIRED CALC:
 $VR = (2.20"/12) \times (10.44 \times 0.71) = 1.36 \text{ AF}$

BASIN "C" VOLUME REQUIRED CALC:
 $VR = (2.20"/12) \times (4.17 \times 0.68) = 0.52 \text{ AF}$

PRS19-00489



BASIN B
TOP=1427.0
BOT=1424.0
VR=1.36 AF
VP=1.76 AF

SEE LANDSCAPE PLANS
FOR OPEN SPACE FEATURES

EX. P.U.E. TO BE
ABANDONED
244
FF=37.40
FP=36.4

243
FF=37.50
FP=36.5

246
FF=36.10
FP=35.1

245
FF=36.60
FP=35.6

222
FF=34.80
FP=33.8

223
FF=36.70
FP=35.7

224
FF=37.40
FP=36.4

225
FF=37.40
FP=36.4

226
FF=37.10
FP=36.1

227
FF=36.80
FP=35.8

228
FF=35.80
FP=34.8

229
FF=36.20
FP=35.2

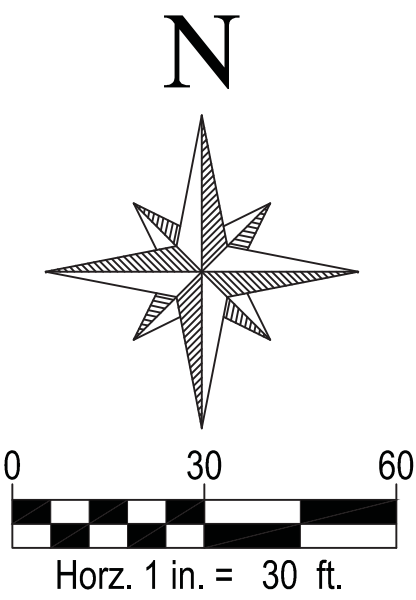
230
FF=37.20
FP=36.2

212
FF=36.30
FP=35.3

211
FF=37.10
FP=36.1

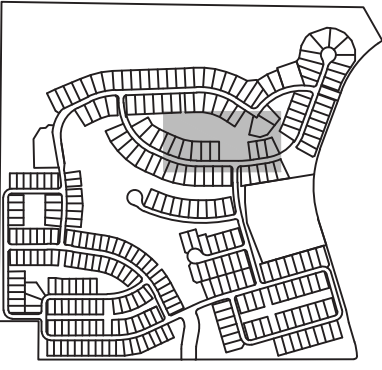
201
FF=36.70
FP=35.7

FF:
FP:



BASIN "B" VOLUME REQUIRED CALC:

$$VR = (2.20/12) \times (10.44 \times 0.71) = 1.36 \text{ AF}$$



KEY MAP

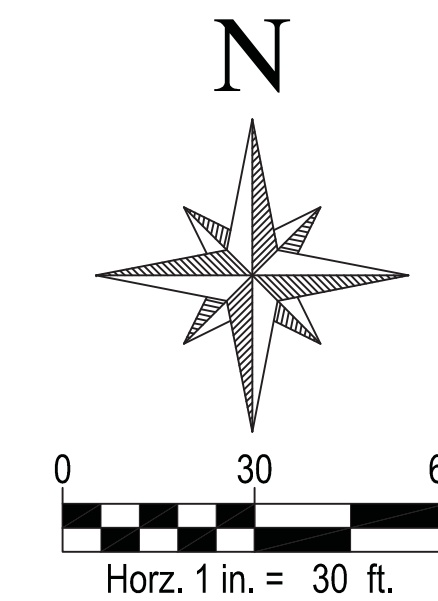
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RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Professional Engineer Seal: Daniel W. Matthews, State of Arizona, License No. 116819, dated 11/08/2019.	
SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	39 OF 48



BASIN "A" VOLUME REQUIRED CALC:

$$VR = (2.20"/12) \times (6.44 \times 0.70) = 0.83 \text{ AF}$$



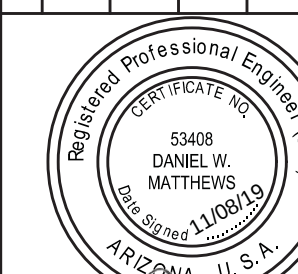
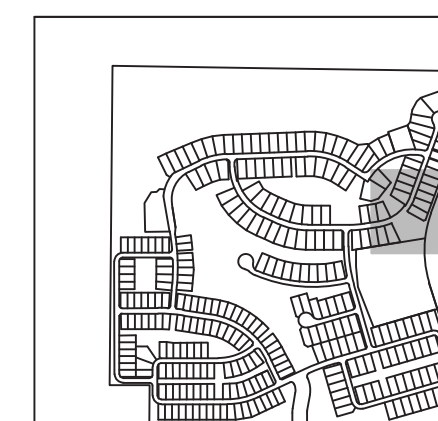
RESERVE AT RED ROCK

PRELIMINARY PLAT

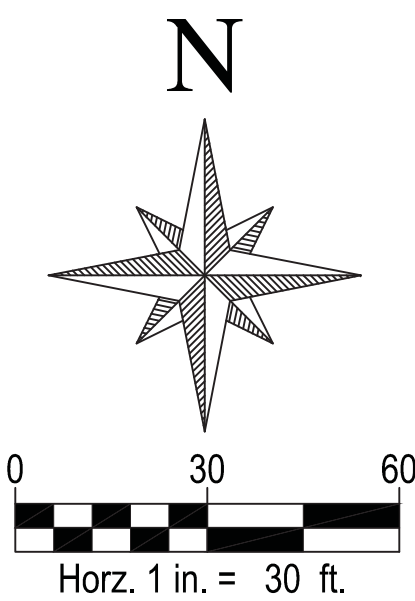
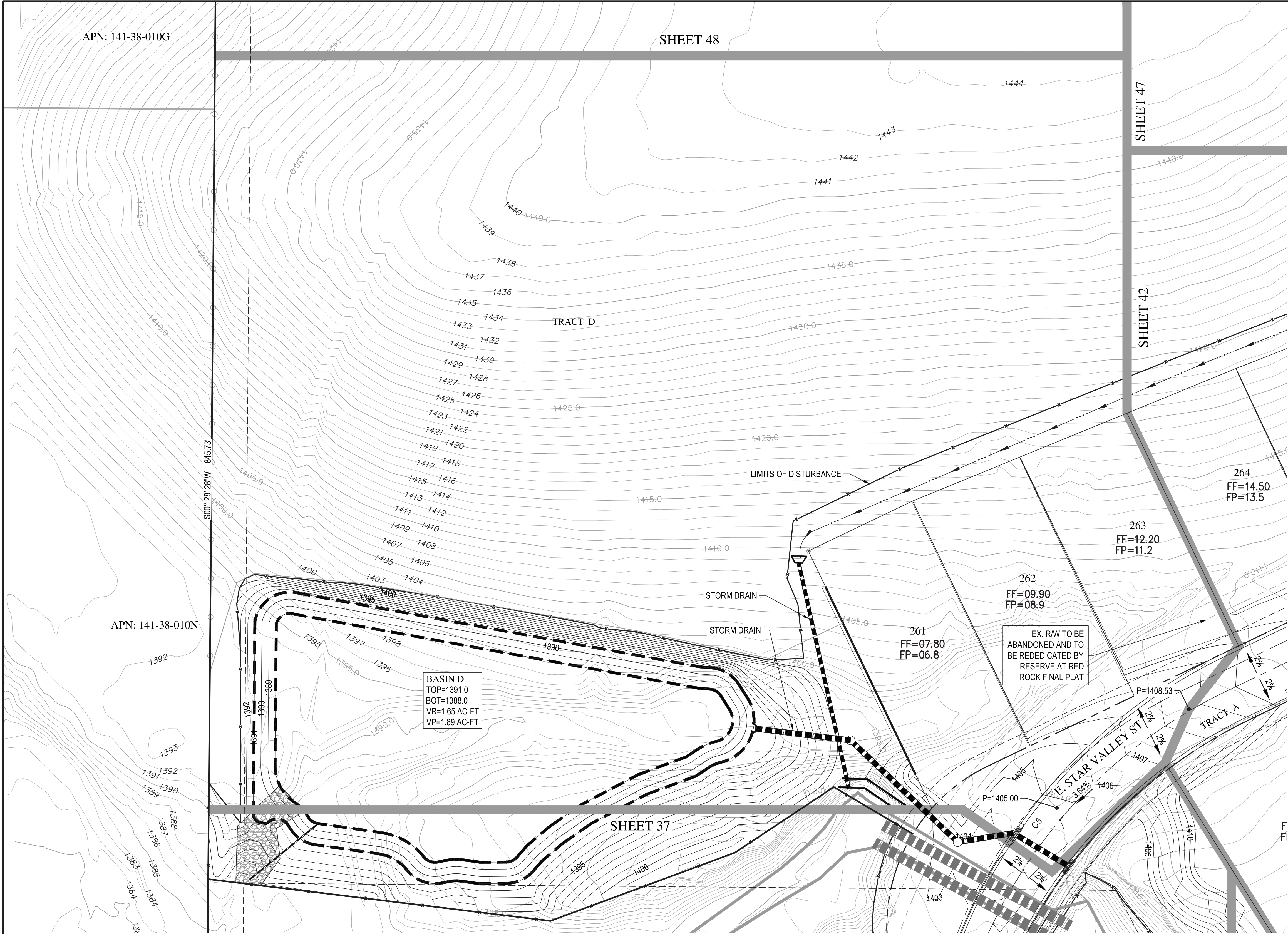
CLIMUNAK I F
MESA, ARIZONA

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

[illegible]

EXPIRES 06-30-21	
SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	19496
SHEET	
40	OF 48

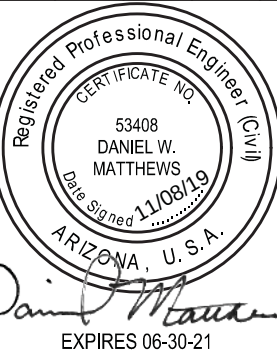


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RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY GRADING & DRAINAGE PLAN

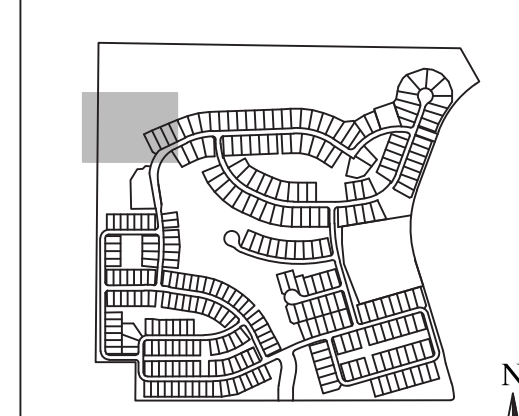
DATE	DESCRIPTION

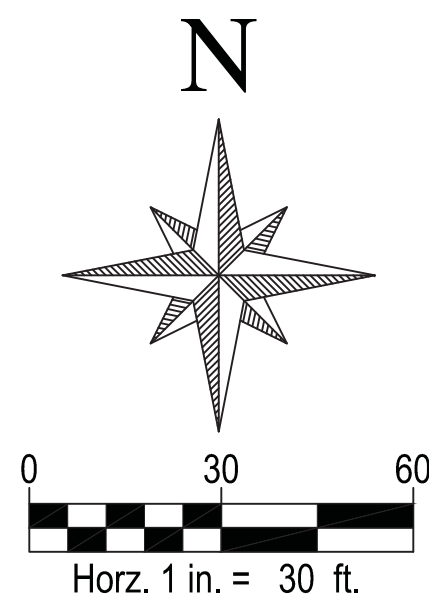


SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	41 OF 48

BASIN "D" VOLUME REQUIRED CALC:

$$VR = (2.20'/12) \times [(11.74 \times 0.71) + (1.19 \times 0.50)] = 1.65 \text{ AF}$$



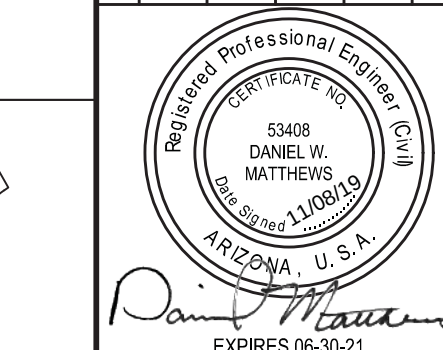
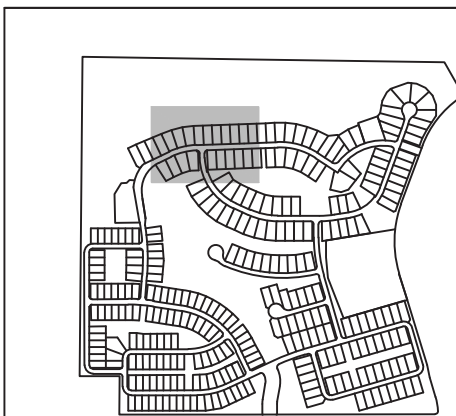


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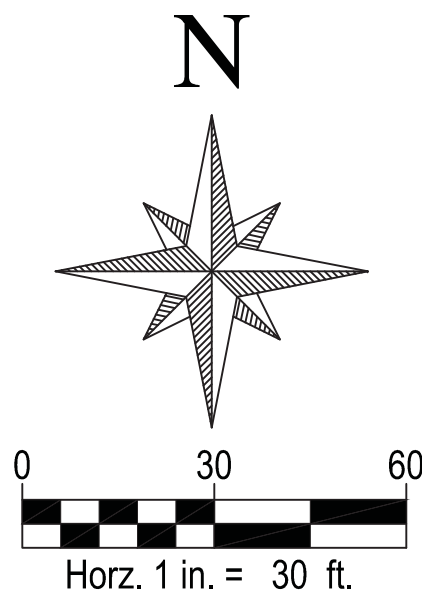
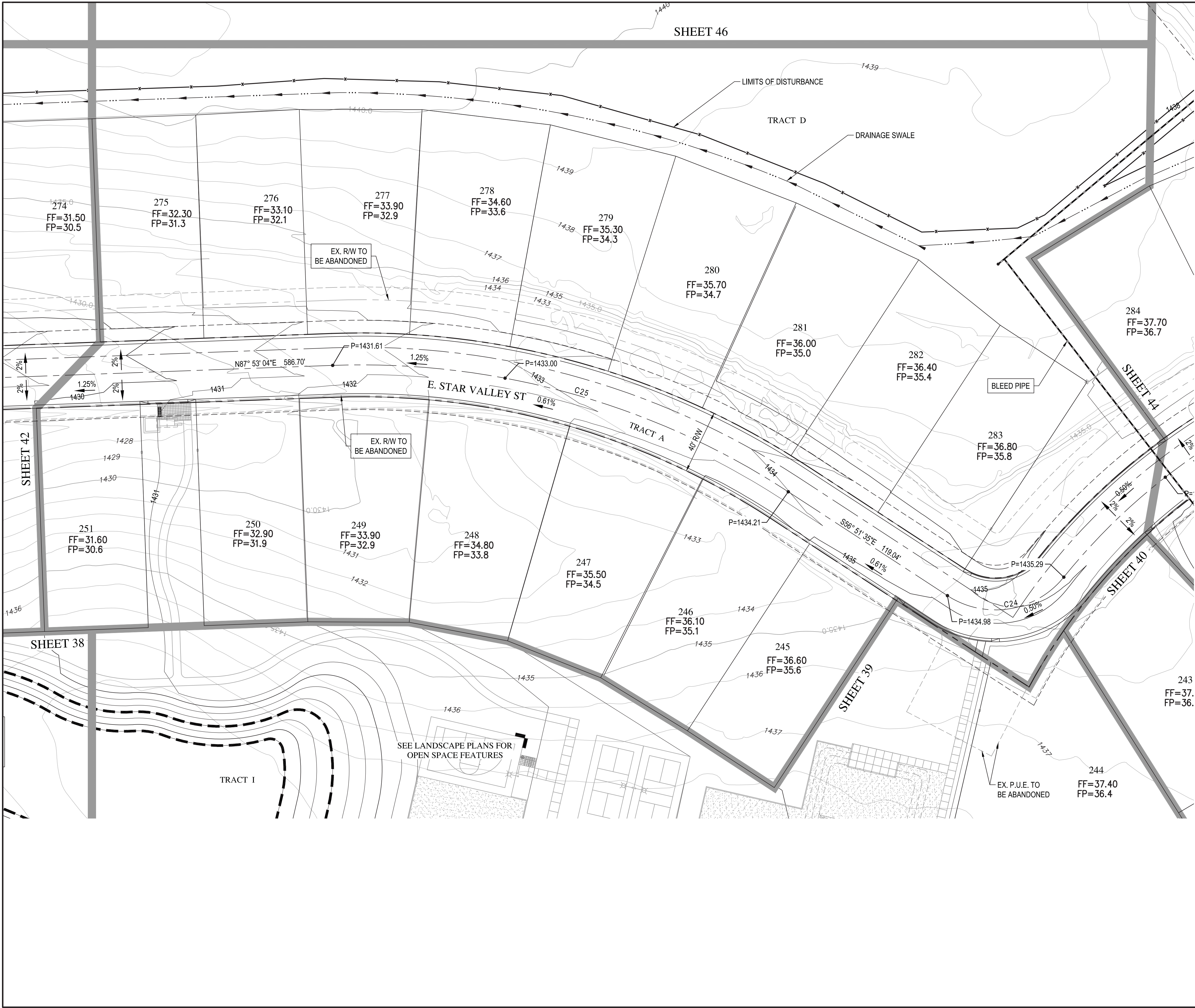


RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION



SCALE (HORIZ.) 1" = 30'
SCALE (VERT.) N/A
DATE 11/08/2019
JOB NUMBER 194961
SHEET 42 OF 48

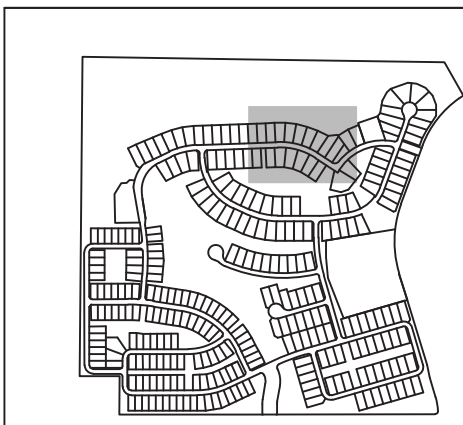


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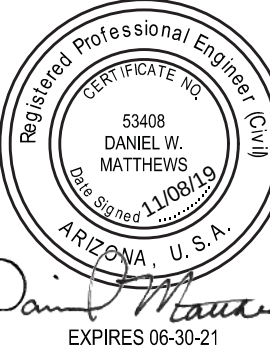


RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY GRADING & DRAINAGE PLAN

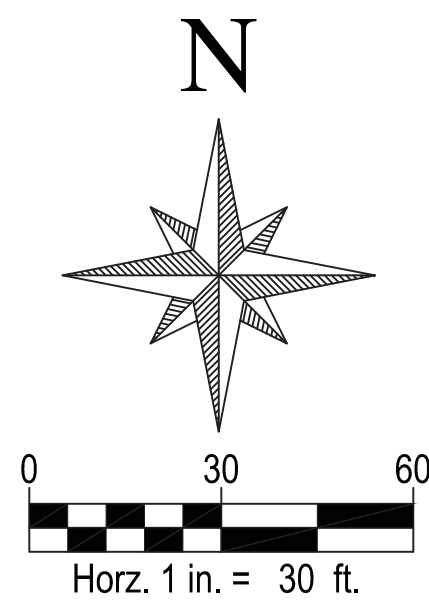
DATE				
DESCRIPTION				



KEY MAP



SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	43 OF 48



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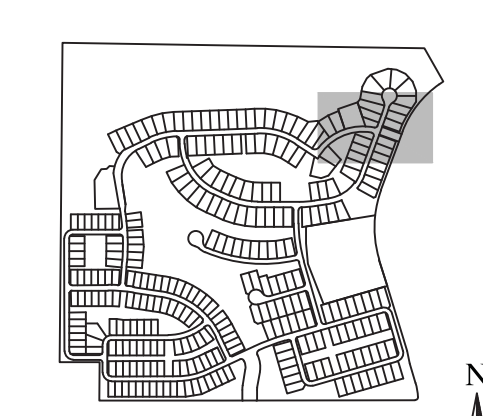


RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY GRADING & DRAINAGE PLAN

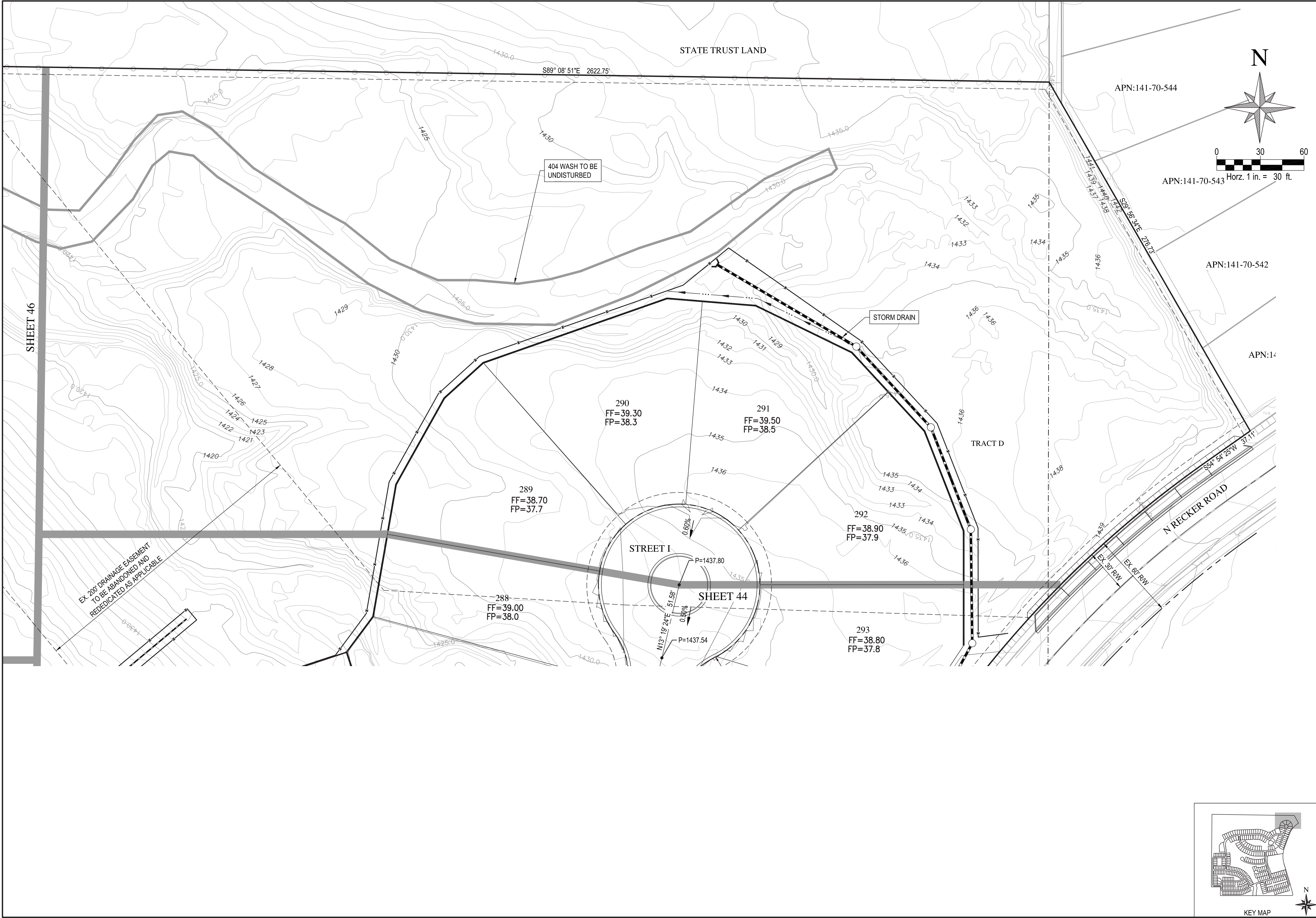
DATE	DESCRIPTION

Professional Engineer Seal: Daniel W. Matthews, State of Arizona, License No. 116819, dated 11/08/2019.

SCALE (HORIZ.) 1" = 30'
SCALE (VERT.) N/A
DATE 11/08/2019
JOB NUMBER 194961
SHEET 44 OF 48



BASIN "A" VOLUME REQUIRED CALC:
VR = (2.20"/12) x (6.44x0.70) = 0.83 AF

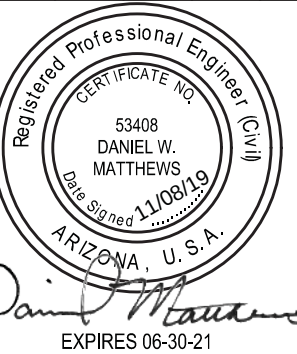


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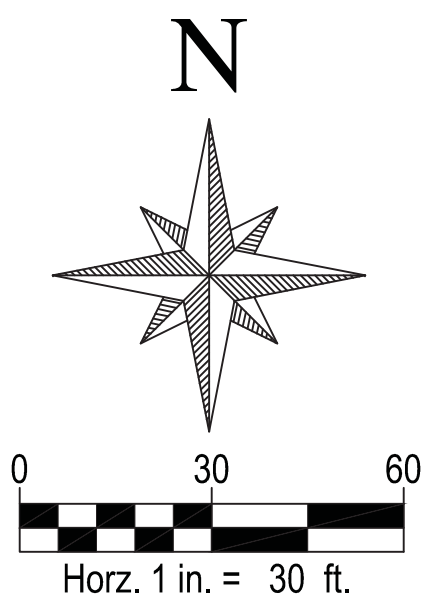
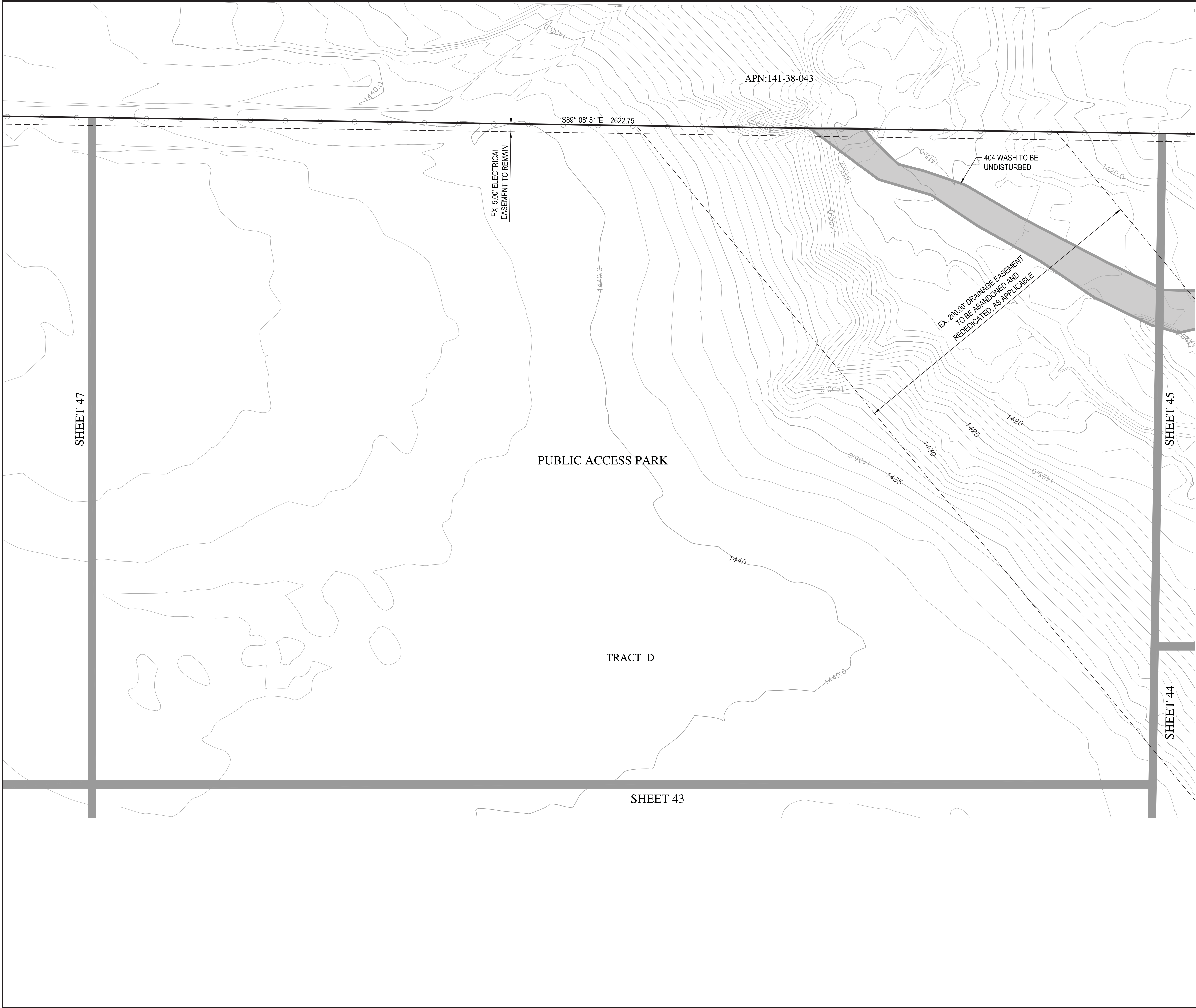


RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION



SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	45 OF 48

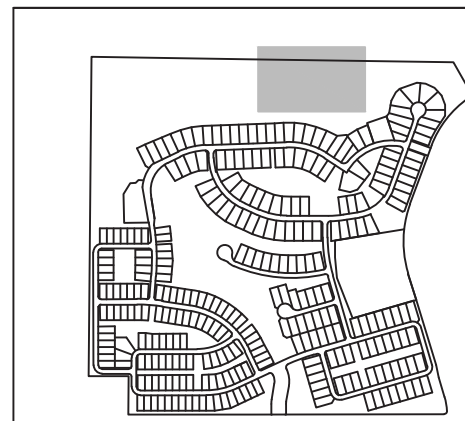


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RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY SITE PLAN

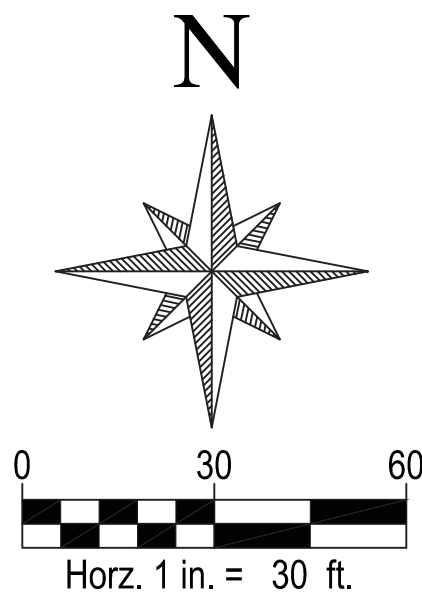
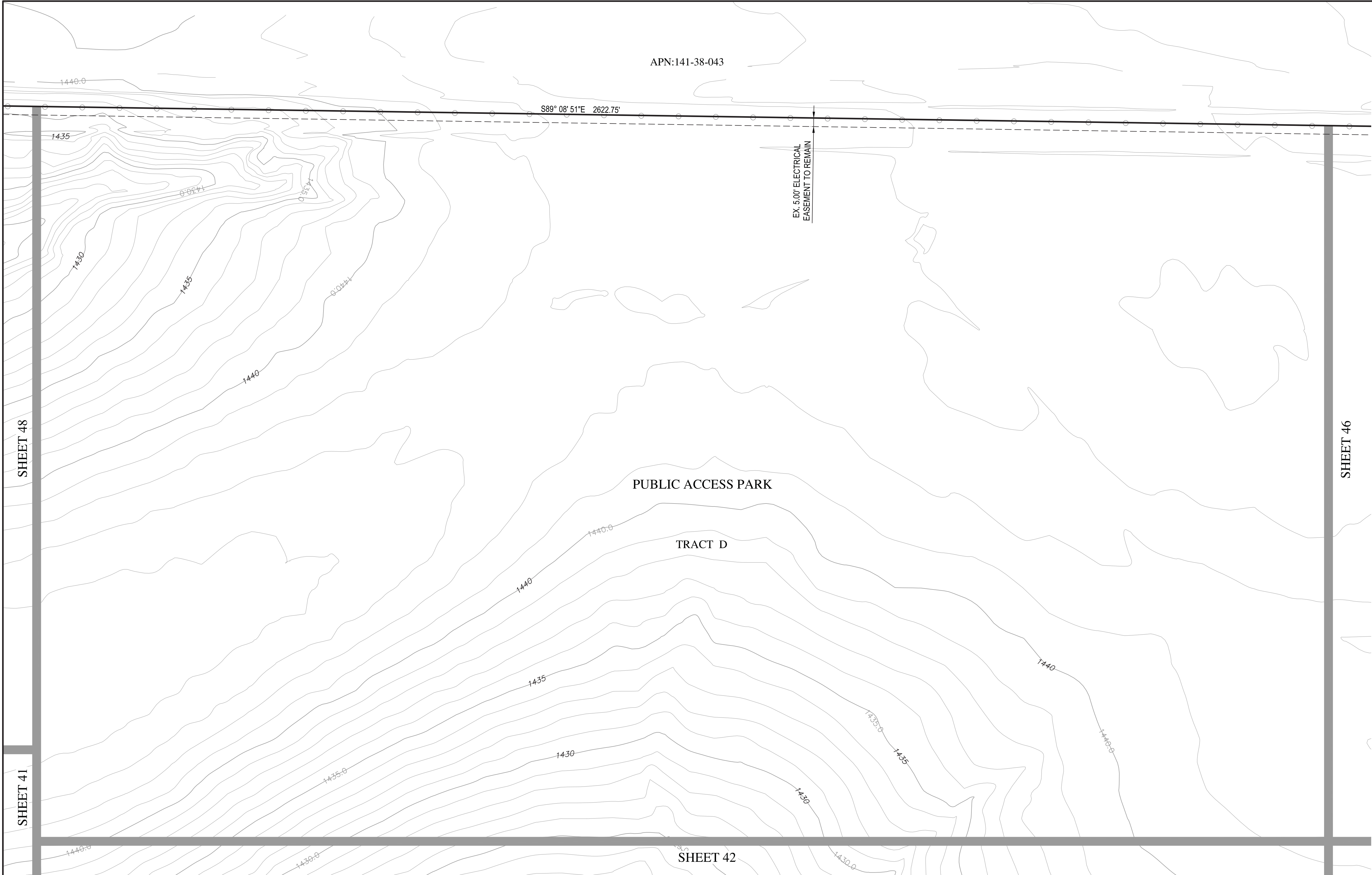
DESCRIPTION	DATE



KEY MAP



SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	46 OF 48

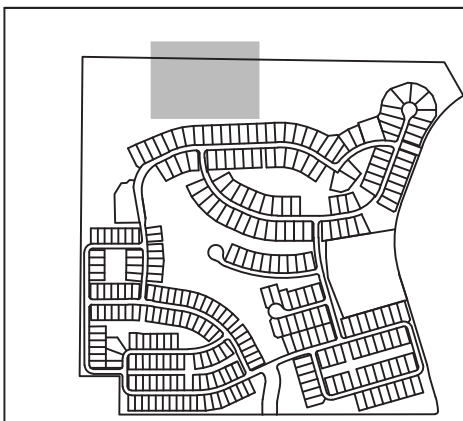


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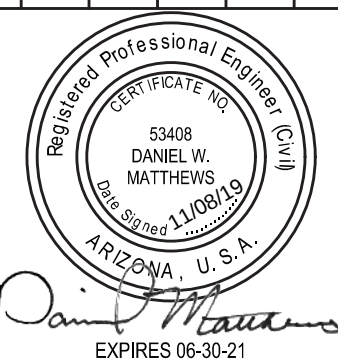


RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY SITE PLAN

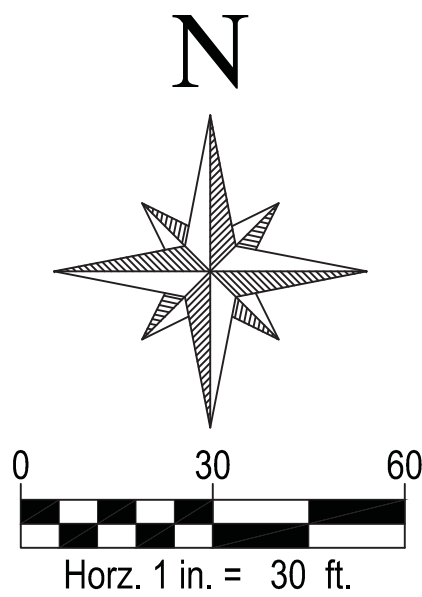
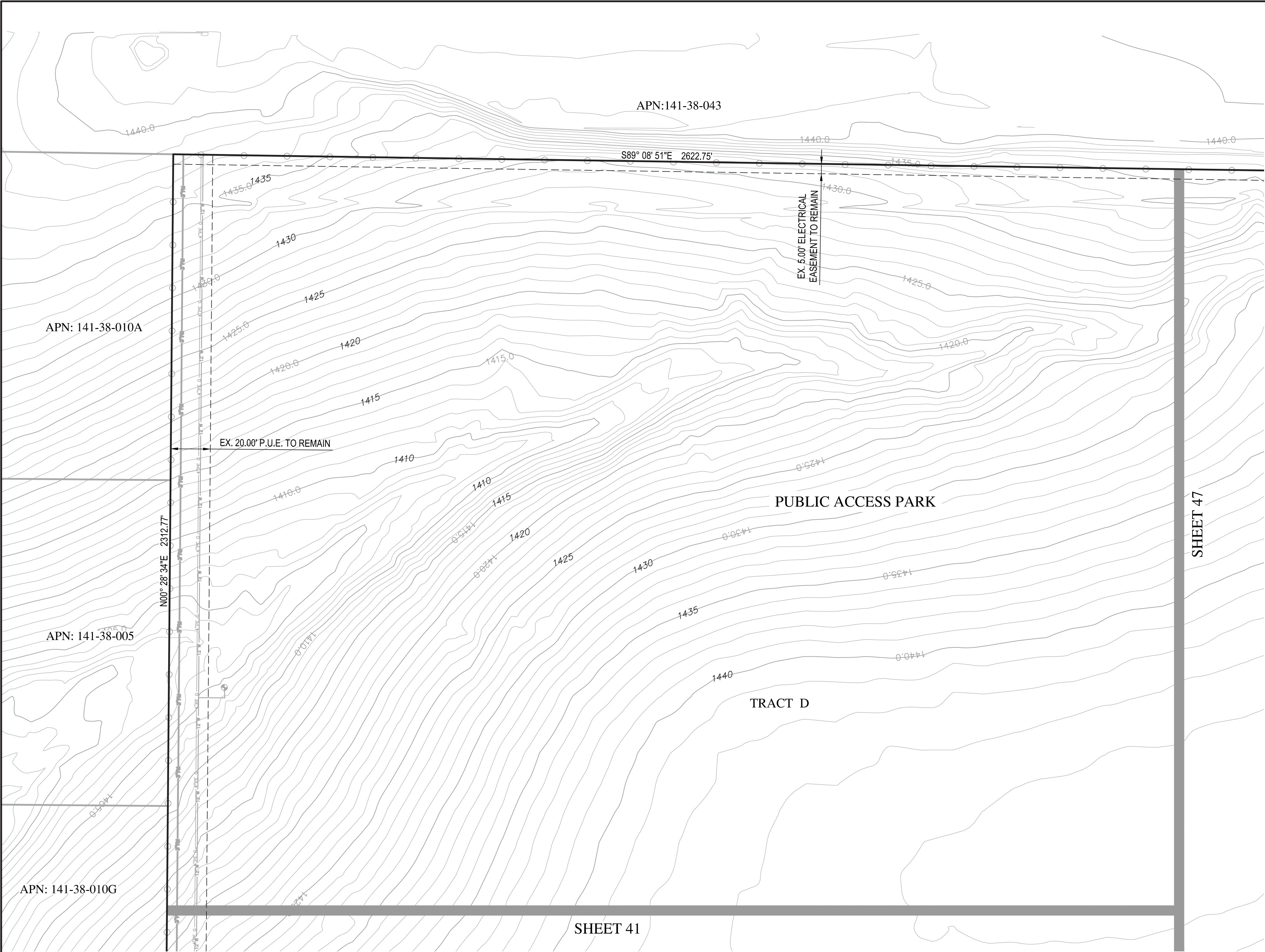
DESCRIPTION	DATE



KEY MAP



SCALE (HORIZ.) 1" = 30'
SCALE (VERT.) N/A
DATE 11/08/2019
JOB NUMBER 194961
SHEET 47 OF 48

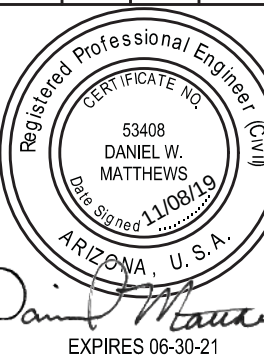
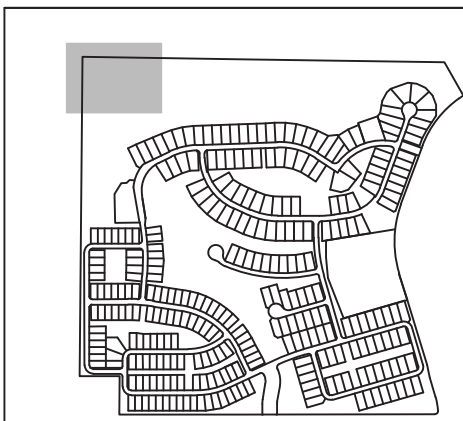


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RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY SITE PLAN

DESCRIPTION	DATE



SCALE (HORIZ.) 1" = 30'
SCALE (VERT.) N/A
DATE 11/08/2019
JOB NUMBER 194961
SHEET 48 OF 48