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

A PROPOSED SUBDIVISION OF A PORTION OF SECTION 26, TOWNSHIP 2 NORTH, RANGE 6 EAST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA

NOTES

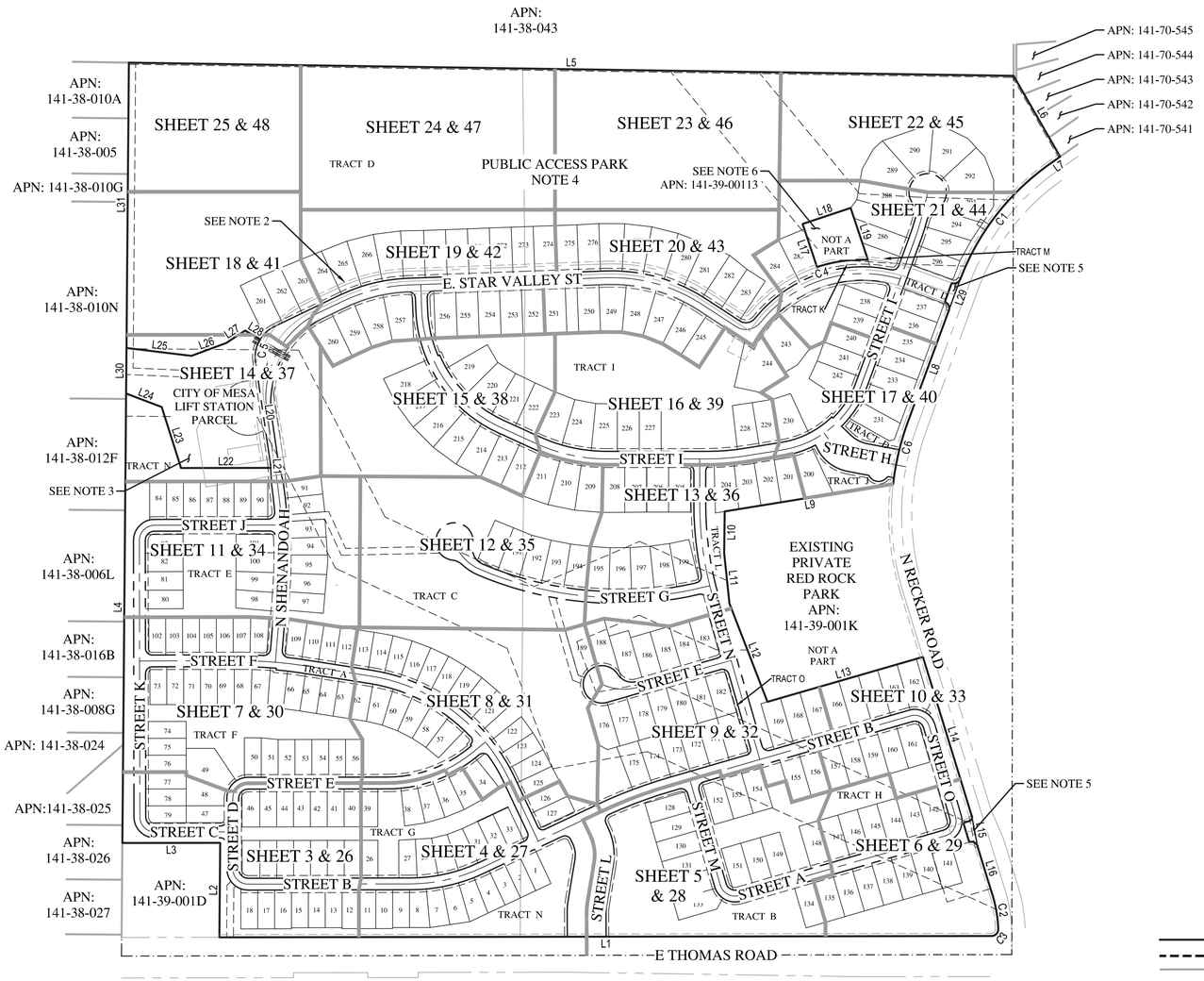
1. ALL ROADWAYS, EXCEPT N. RECKER ROAD AND E. THOMAS ROAD TO BE PRIVATE STREETS.
2. EXISTING RIGHT-OF-WAY ALONG STAR VALLEY TO BE ABANDONED AND REDEDICATED AS PRIVATE STREET TRACT WITH INGRESS EGRESS ACCESS EASEMENT PER CITY OF MESA.
3. CITY OF MESA TO RETAIN 2.7 ACRE LIFT STATION PARCEL.
4. CITY OF MESA TO RETAIN 28.2 ACRES NORTH PUBLIC ACCESS PARK.
5. EXISTING CURB ENTRIES AT N. RECKER ROAD AND E. REDMONT DRIVE AND N. RECKER ROAD AND E. STAR VALLEY STREET TO BE REMOVED AND REPLACED WITH NEW CURB AND SIDEWALK MATCHING STANDARD OFFSET OF RECKER ROAD. EXISTING RIGHT-OF-WAY OVER ENTRIES TO BE ABANDONED AND RETAINED BY RESERVE AT RED ROCK PROJECT.
6. EXISTING PARCEL APN: 141-39-001B OWNED BY MOUNTAIN STATES TELEPHONE & TELEGRAPH CO. AND IS NOT A PART OF RESERVE AT RED ROCK.
7. ALL UTILITIES TO BE PLACED UNDERGROUND.
8. FIRE LANES AND HYDRANTS TO MEET CITY OF MESA REQUIREMENTS.
9. PROPOSED WATER ON DESERT WELLS PRESSURE ZONE.
10. RETENTION WILL BE PROVIDED BY PROPOSED BASINS.
11. THE CITY OF MESA SHALL NOT BE RESPONSIBLE FOR AND WILL NOT ACCEPT MAINTENANCE OF ANY PRIVATE FACILITIES, LANDSCAPE AREAS, ETC. WITHIN THIS PROJECT.

RESERVE AT RED ROCK LAND USE SUMMARY TABLE				
EXISTING ZONING	PS			
PROPOSED ZONING	PS (28.2 AC), RS-7 (72.6 AC), RS-6 (35.5 AC)			
ZONING:	LOT SIZE:	YIELD:		
RS-6 PAD	50' X 112'	127		
RS-7 PAD	60' X 130'	103		
RS-7 PAD	65' X 140'	66		
TOTAL NUMBER OF LOTS	296			
TOTAL NET AREA	5,937,228	SQ.FT.	136.3	AC
DENSITY	2.17	DU/NET AC		
SUBDIVISION OPEN SPACE	2,896,740	SQ.FT.	66.5	AC
PUBLIC ACCESS PARK	1,228,392	SQ.FT.	28.2	AC
COMMUNITY OPEN SPACE	1,668,349	SQ.FT.	38.3	AC
MIN. LOT SIZE	5,600	SQ.FT.	0.13	AC

CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	CHORD BEARING	CHORD
C1	33°57'12"	740.80'	439.00'	S37°52'28.12"W	432.60
C2	14°38'15"	409.93'	104.73'	N9°44'55.67"W	104.44
C3	92°20'04"	20.00'	32.23'	N43°44'09.16"E	28.85
C4	20°45'27"	423.07'	153.27'	S81°56'03.75"W	152.44
C5	39°23'31"	100.00'	68.75'	S11°22'54.20"W	67.41
C6	13°39'08"	790.00'	188.24'	S13°19'58.91"W	187.79

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N89°54'11"E	2,288.61'
L2	N00°28'12"E	279.86'
L3	N89°56'04"E	289.97'
L4	N00°28'37"E	1,332.03'
L5	S89°08'51"E	2,622.75'
L6	S29°56'34"E	276.73'
L7	S54°54'25"W	37.11'
L8	S20°09'33"W	352.44'
L9	N80°44'38"E	506.09'
L10	S00°46'32"W	123.39'
L11	N06°04'23"W	149.91'
L12	S21°05'49"E	312.89'
L13	N73°53'26"E	479.77'
L14	S17°04'09"E	493.05'
L15	S10°50'34"E	92.45'
L16	S17°04'09"E	147.64'

LINE TABLE		
LINE	BEARING	DISTANCE
L17	S18°25'09"E	134.96'
L18	N71°39'02"E	149.79'
L19	S18°21'16"E	162.17'
L20	S08°18'51"E	308.03'
L21	S02°36'13"E	9.40'
L22	N89°54'12"E	265.67'
L23	S17°37'14"E	189.63'
L24	S69°13'58"E	112.82'
L25	S83°01'37"E	193.82'
L26	N69°40'35"E	110.58'
L27	N56°23'51"E	66.63'
L28	S59°22'11"E	51.68'
L29	N20°07'21"E	99.81'
L30	N00°28'28"E	135.00'
L31	N00°28'28"E	845.73'



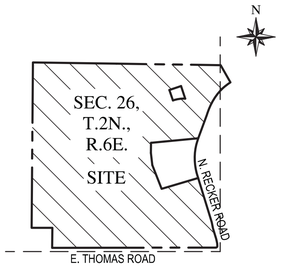
RESERVE AT RED ROCK BOUNDARY MAP

0 200 400

Horz. 1 in. = 200 ft.

N

APPROVED BY THE PLANNING AND ZONING BOARD ON JANUARY 8, 2020



VICINITY MAP
N.T.S.

OWNER / DEVELOPER

DESERT VISTA 100, LLC
3321 EAST BASELINE ROAD
GILBERT, AZ 85234
PHONE: (480) 892-4492
CONTACT: MR. TOM LEMON

ENGINEER & SURVEYOR

WOOD, PATEL & ASSOCIATES, INC.
1630 SOUTH STAPLEY DRIVE SUITE 219
MESA, ARIZONA 85204
PHONE: (480)834-3300
FAX: (480)834-3320
CONTACT: DAN MATTHEWS, P.E.

BENCHMARK

CITY OF MESA 2012 BENCHMARK: BRASS TAG IN TOP OF CURB LOCATED AT THE SOUTHWEST CORNER OF RECKER ROAD AND THOMAS ROAD ELEVATION = 1447.02.

PUBLIC UTILITIES

WATER	CITY OF MESA
SEWER	CITY OF MESA
ELECTRIC	SALT RIVER PROJECT
TELEPHONE	CENTURYLINK
GAS	CITY OF MESA
CABLE TV	COX COMMUNICATIONS
WASTE DISPOSAL	CITY OF MESA

CIVIL SHEET INDEX

1 - COVER SHEET
2 - DETAILS
3-25 - PRELIMINARY SITE PLAN
26-48 - PRELIMINARY GRADING AND DRAINAGE PLAN

TOTAL SHEETS - 48

LEGEND & ABBREVIATIONS

	BNDRY	PROJECT BOUNDARY
		PARCEL BOUNDARY
		SHEET MATCH LINE
1400		EXISTING MAJOR CONTOUR ELEVATION
1401		EXISTING MINOR CONTOUR ELEVATION
	C/L	CENTER LINE
	EG	EXISTING GROUND
	T/L	TRACT LINE
	P.U.E.	PUBLIC UTILITY EASEMENT
	P.U.F.E.	PUBLIC UTILITY FACILITIES EASEMENT
	M/L	MONUMENT / SECTION LINE
	R/W	RIGHT OF WAY
	P/L	PROPERTY LINE
		EMERGENCY OVERFLOW

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

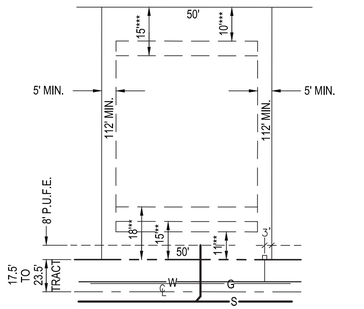
RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
COVER SHEET

DATE
DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
12/31/2019
REGISTERED
ARIZONA, U.S.A.
EXPIRES 06-30-21

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

PRS19-00489

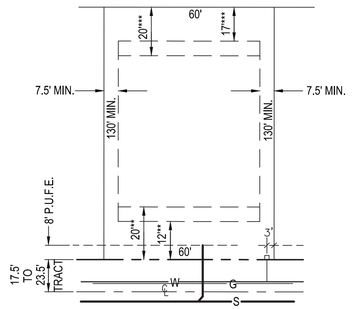


TYPICAL 50' X 112' LOT LAYOUT
NTS

*SIDEYARD SETBACKS:
1. 5' & 5' MIN. SETBACK

**FRONT YARD SETBACKS:
1. 18' MIN. SETBACK FROM PROPERTY LINE TO FACE OF GARAGE.
2. 15' MIN. SETBACK TO LIVABLE OR SIDE LOADED GARAGE.
3. 11' SETBACK TO FRONT OF PORCH.

***REARYARD SETBACKS:
1. 15' MIN. SETBACK TO LIVABLE SPACE.
2. 10' MIN. SETBACK TO PORCH/COVERED REAR PATIO.

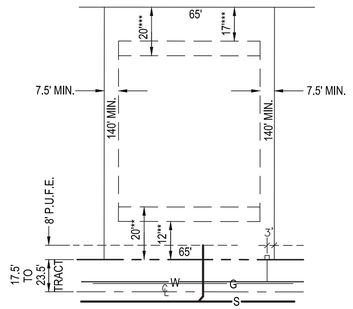


TYPICAL 60' X 130' LOT LAYOUT
NTS

*SIDEYARD SETBACKS:
1. 7.5' & 7.5' MIN. SETBACK

**FRONT YARD SETBACKS:
1. 20' MIN. SETBACK FROM PROPERTY LINE TO FACE OF GARAGE.
2. 12' MIN. SETBACK TO LIVABLE/FRONT OF PORCH.

***REARYARD SETBACKS:
1. 20' MIN. SETBACK TO LIVABLE SPACE.
2. 17' MIN. SETBACK TO PORCH/COVERED REAR PATIO.

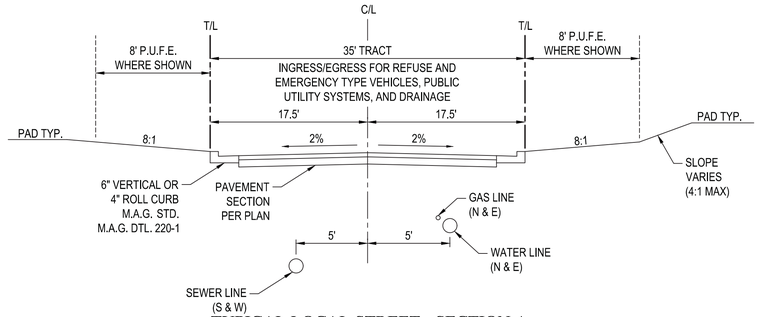


TYPICAL 65' X 140' LOT LAYOUT
NTS

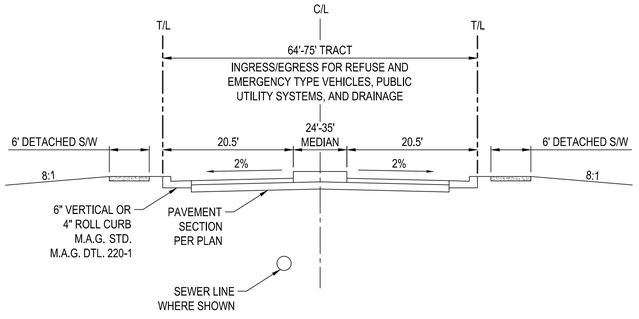
*SIDEYARD SETBACKS:
1. 7.5' & 7.5' MIN. SETBACK

**FRONT YARD SETBACKS:
1. 20' MIN. SETBACK FROM PROPERTY LINE TO FACE OF GARAGE.
2. 12' MIN. SETBACK TO LIVABLE/FRONT OF PORCH.

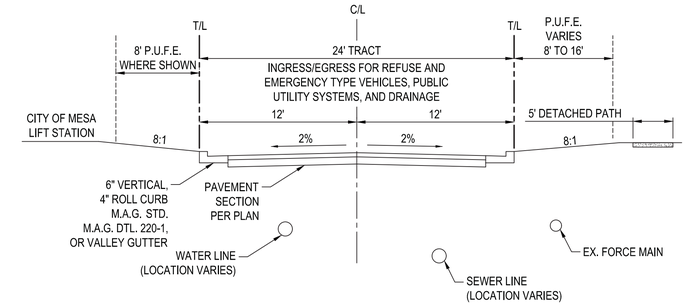
***REARYARD SETBACKS:
1. 20' MIN. SETBACK TO LIVABLE SPACE.
2. 17' MIN. SETBACK TO PORCH/COVERED REAR PATIO.



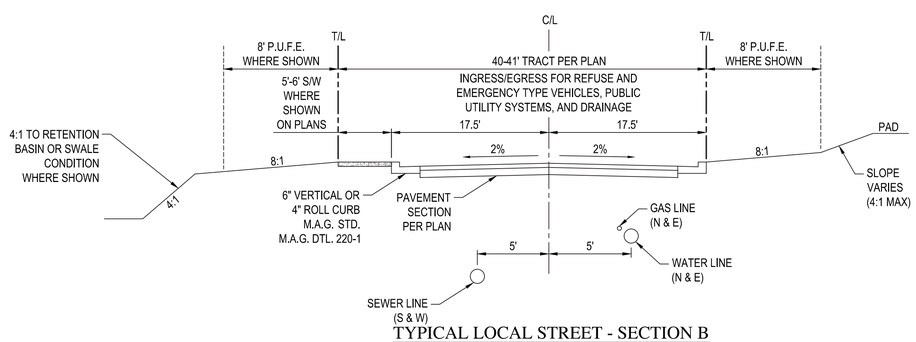
TYPICAL LOCAL STREET - SECTION A
INTERIOR STREETS
CROWNED SECTION
NTS



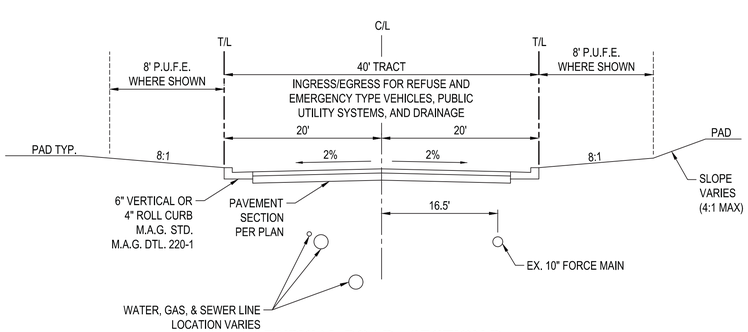
TYPICAL ENTRY ROAD - SECTION C
ENTRY ROAD
CROWNED SECTION
NTS



TYPICAL LOCAL STREET - SECTION E
LIFT STATION ROAD
CROWNED SECTION
NTS



TYPICAL LOCAL STREET - SECTION B
INTERIOR STREETS
CROWNED SECTION
NTS



TYPICAL ROAD - SECTION D
STAR VALLEY STREET
CROWNED SECTION
NTS

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
DETAIL SHEET

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Registered Professional Engineer
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	N/A
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	2 OF 48

PRS19-00489

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C1	90°00'00"	45.00'	70.69'	45.00	63.64
C2	90°00'00"	45.00'	70.69'	45.00	63.64
C8	90°00'00"	45.00'	70.69'	45.00	63.64

APN:141-38-025

APN: 141-38-026

APN: 141-38-027

EXISTING SRP SUB-STATION
APN: 141-39-001D
NOT A PART

SHEET 7

SHEET 4

TRACT N

TRACT A

TRACT G

BASIN H2

STREET C

STREET D

STREET E

STREET K

STREET B

E THOMAS ROAD

N89° 54' 12"E 413.23'

N89° 54' 12"E 480.18'

N89° 54' 12"E 230.51'

N89° 56' 04"E 289.97'

N89° 54' 11"E 2288.61'

N00° 28' 37"E 1332.03'

N00° 28' 12"E 279.86'

N00° 05' 48"W 209.00'

8" SEWER

12" WATER

FIRE HYDRANT

8" P.U.F.E. (TYP)

8.00' P.U.E. TO REMAIN

PROPOSED 20' P.U.F.E.

PROPOSED 6' S/W

EX. 55' R/W

EX. 120' R/W

EX. 105' R/W

EX. DRIVEWAY 67.06'

EX. DRIVEWAY 64.69'

EX. 69 kV POWER POLE

EX. STREET LIGHT

EX. UTILITY EQUIPMENT

CONNECT TO EX. 16" WATERLINE

LOT	FF	FP
49	31.00	30.0
48	31.20	30.2
47	32.70	31.7
46	30.90	29.9
45	31.10	30.1
44	31.40	30.4
43	31.70	30.7
42	32.10	31.1
41	32.40	31.4
40	32.70	31.7
39	33.00	32.0
77	29.00	28.0
78	29.80	28.8
79	30.60	29.6
19	33.60	32.6
20	33.30	32.3
21	33.00	32.0
22	32.70	31.7
23	32.40	31.4
24	32.20	31.2
25	31.90	30.9
26	31.60	30.6
18	33.70	32.7
17	33.40	32.4
16	33.10	32.1
15	32.80	31.8
14	32.50	31.5
13	32.20	31.2
12	31.90	30.9
11	31.60	30.6

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	3 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-003-SP-ZN.dwg

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

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C3	39°05'55"	400.00'	272.96'	142.04	267.69
C9	25°07'11"	500.00'	219.21'	111.40	217.46
C33	34°42'08"	132.50'	80.25'	41.40	79.03
C34	9°34'57"	167.50'	28.01'	14.04	27.98

N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL®
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE

DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.

EXPIRES 06-30-21

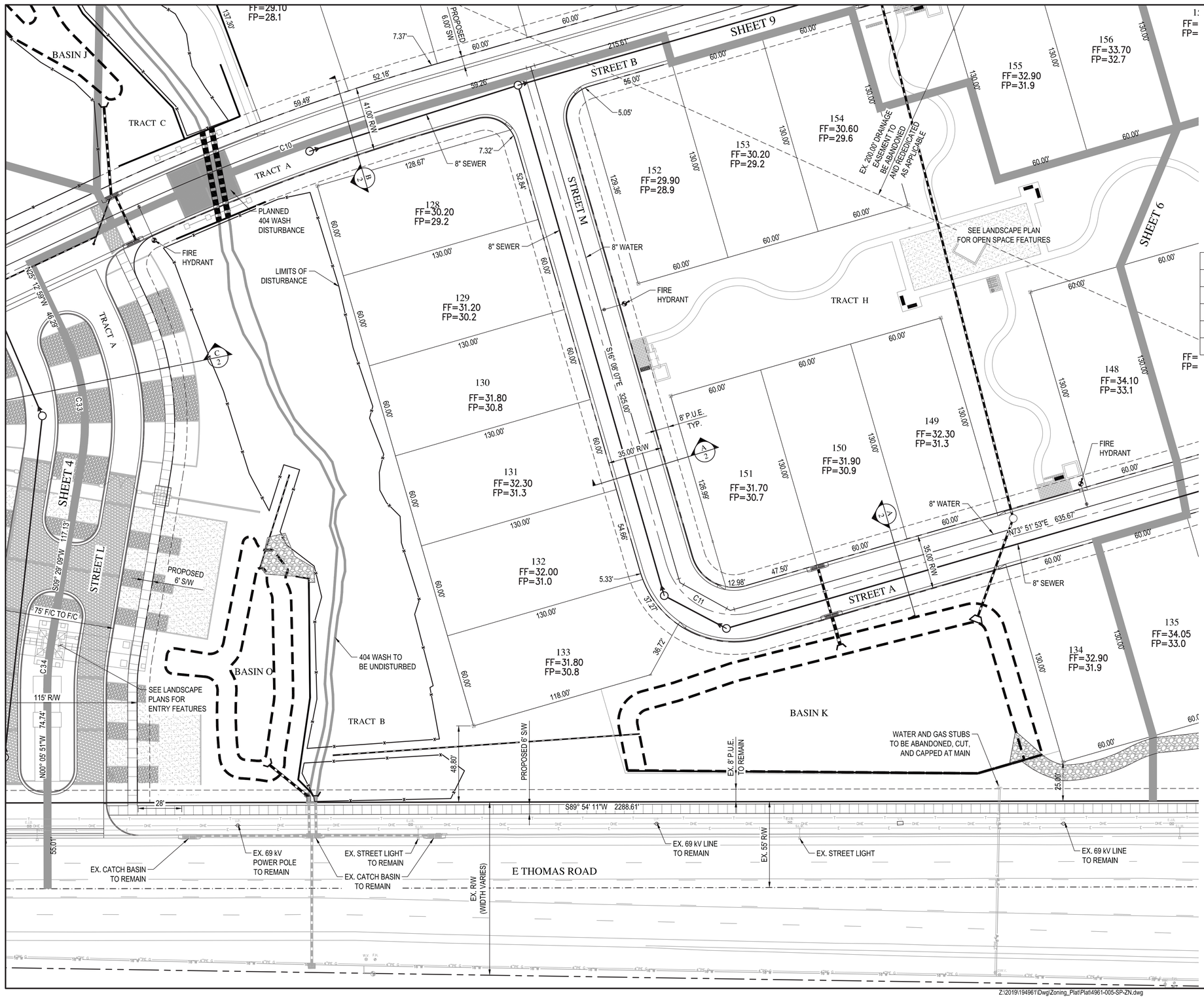
SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	4 OF 48

PRS19-00489

KEY MAP

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-004-SP-ZN.dwg

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



CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C10	9°04'52"	1400.00'	221.89'	111.18	221.66
C11	90°00'00"	45.00'	70.69'	45.00	63.64
C33	34°42'08"	132.50'	80.25'	41.40	79.03
C34	9°34'57"	167.50'	28.01'	14.04	27.98

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer
CERTIFICATE NO. 53408
DANIEL W. MATTHEWS
ARIZONA U.S.A.
EXPIRES 06-30-21

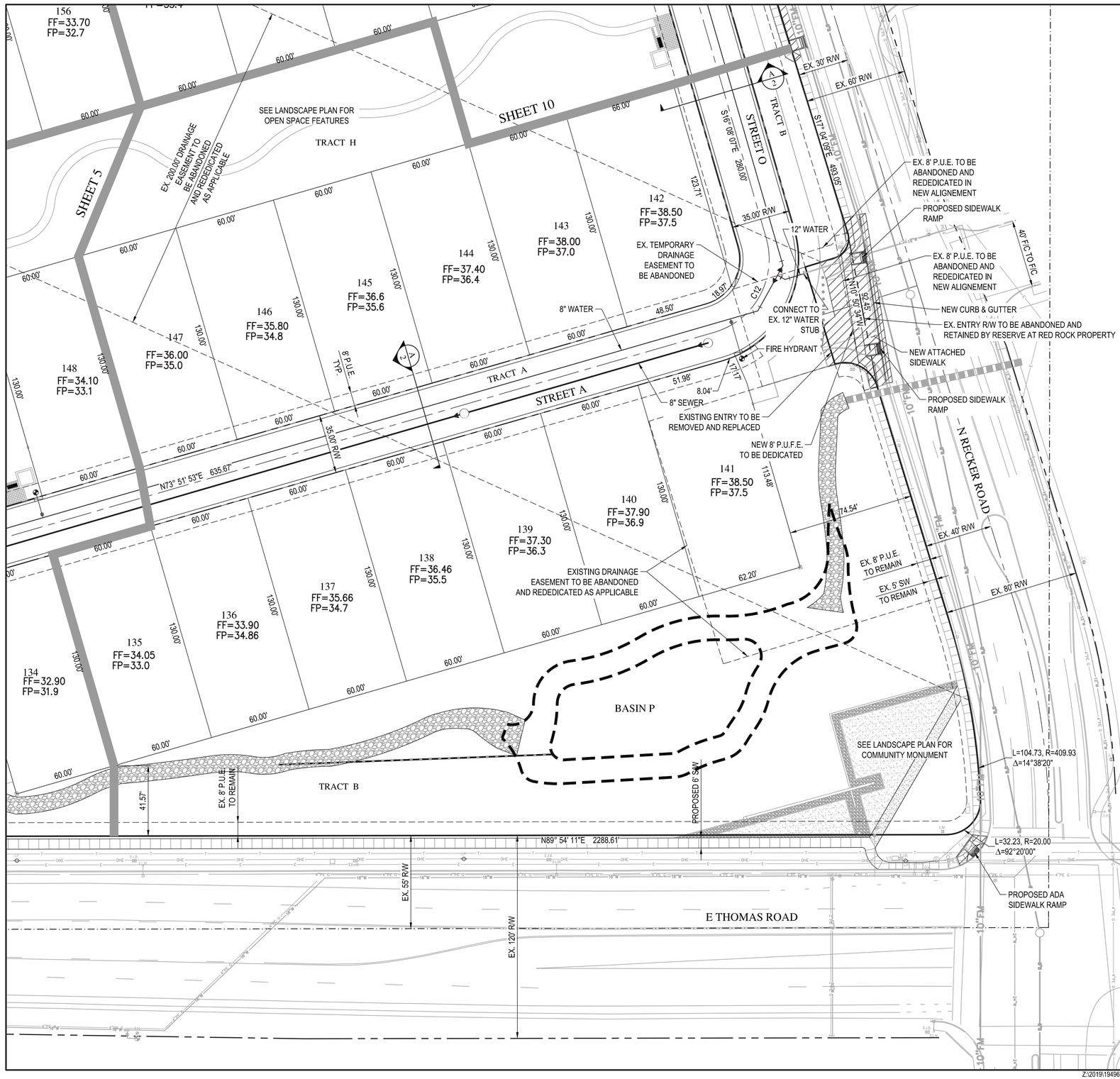
SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	5 OF 48

KEY MAP

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-005-SP-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C12	90°00'00"	45.00'	70.69'	45.00	63.64

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

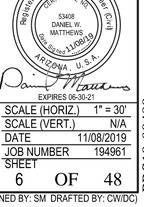
RESERVE AT RED ROCK

PRELIMINARY PLAT

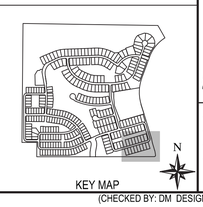
MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION



SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	6 OF 48



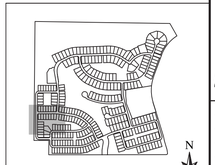
PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-006-SP-ZN.dwg

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



CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C2	90°00'00"	45.00'	70.69'	45.00	63.64
C5	3°56'18"	1200.00'	82.48'	41.26	82.47
C28	4°57'12"	1200.00'	103.74'	51.90	103.71



WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DESCRIPTION	DATE

Registered Professional Engineer (Civil) CERTIFICATE NO. 53408 DANIEL W. MATTHEWS 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	7 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-007-SP-ZN.dwg

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

SHEET 12

BASIN G

LIMITS OF DISTURBANCE

EX. 200.00' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED AS APPLICABLE

20.00' P.U.F.E.

TRACT C

404 WASH TO BE UNDISTURBED

BASIN L

STREET E

FIRE HYDRANT

8" WATER

8" SEWER

188
FF=21.50
FP=20.5

189
FF=20.50
FP=19.5

113
FF=36.20
FP=35.2

114
FF=36.00
FP=35.0

115
FF=35.80
FP=34.8

116
FF=35.60
FP=34.6

117
FF=35.30
FP=34.3

118
FF=35.10
FP=34.1

119
FF=34.90
FP=33.9

120
FF=34.70
FP=33.7

121
FF=34.50
FP=33.5

122
FF=34.50
FP=33.5

123
FF=34.50
FP=33.5

124
FF=34.00
FP=33.0

125
FF=33.40
FP=32.4

126
FF=32.30
FP=31.3

62
FF=36.10
FP=35.1

61
FF=35.80
FP=34.8

60
FF=35.50
FP=34.5

59
FF=35.30
FP=34.3

58
FF=35.00
FP=34.0

57
FF=34.70
FP=33.7

56
FF=32.80
FP=31.8

34
FF=33.50
FP=32.5

35
FF=33.20
FP=32.2

36
FF=32.80
FP=31.8

176
FF=2
FP=1

TRACT A

STREET F

TRACT F

SEE LANDSCAPE PLAN FOR OPEN SPACE FEATURES

BASIN H1

BASIN J

TRACT G

PROPOSED 5' SIW

6' SIW

8' P.U.E. TYP.

40.00' ROW

35.00' ROW

C29

C3

C4

N50° 48' 17"E

SHEET 7

SHEET 4

SHEET 9

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C3	39°05'55"	400.00'	272.96'	142.04	267.69
C4	13°58'44"	550.00'	134.19'	67.43	133.86
C29	42°00'35"	550.00'	403.27'	211.18	394.29

KEY MAP

N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ILLINOIS
U.S.A.
ARIZONA U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	8 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-008-SP-ZN.dwg

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

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C10	9°04'52"	1400.00'	221.89'	111.18	221.66
C14	41°07'39"	154.00'	110.54'	57.77	108.19

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	9 OF 48

PRS19-00489

KEY MAP

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-009-SP-ZN.dwg

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

APN:141-39-001K

N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C13	90°00'00"	45.00'	70.69'	45.00	63.64

KEY MAP

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-010-SP-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811 Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

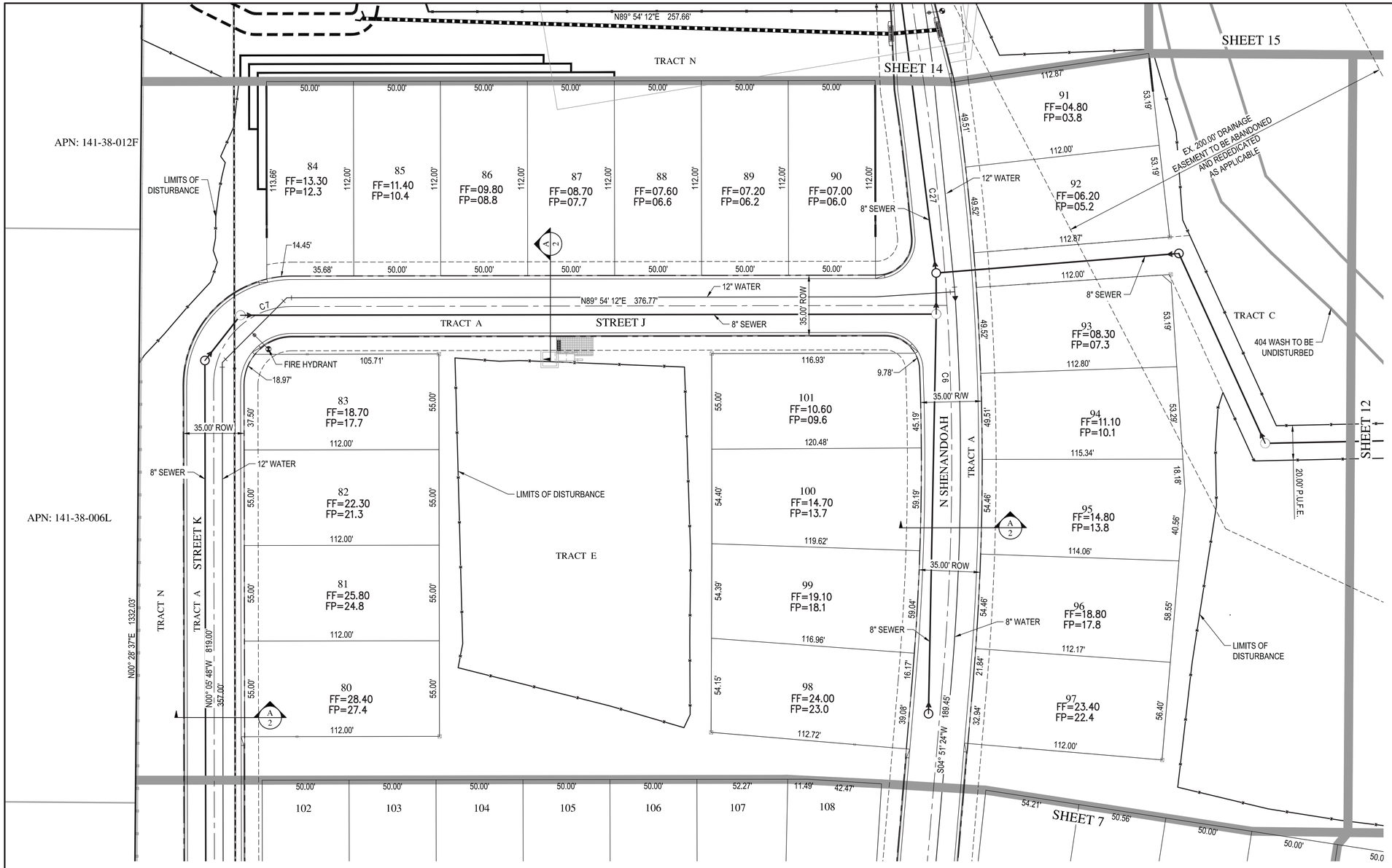
PRELIMINARY SITE PLAN

DESCRIPTION	DATE

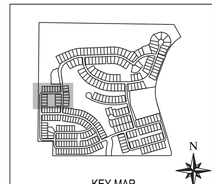
Registered Professional Engineer (Civil)
CERTIFICATE NO. 53408
DANIEL W. MATTHEWS
11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	10 OF 48

PRS19-00489



CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C6	8°19'31"	1500.00'	217.96'	109.17	217.76
C7	90°00'00"	45.00'	70.69'	45.00	63.64
C27	4°50'44"	1500.00'	126.86'	63.47	126.82



KEY MAP

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

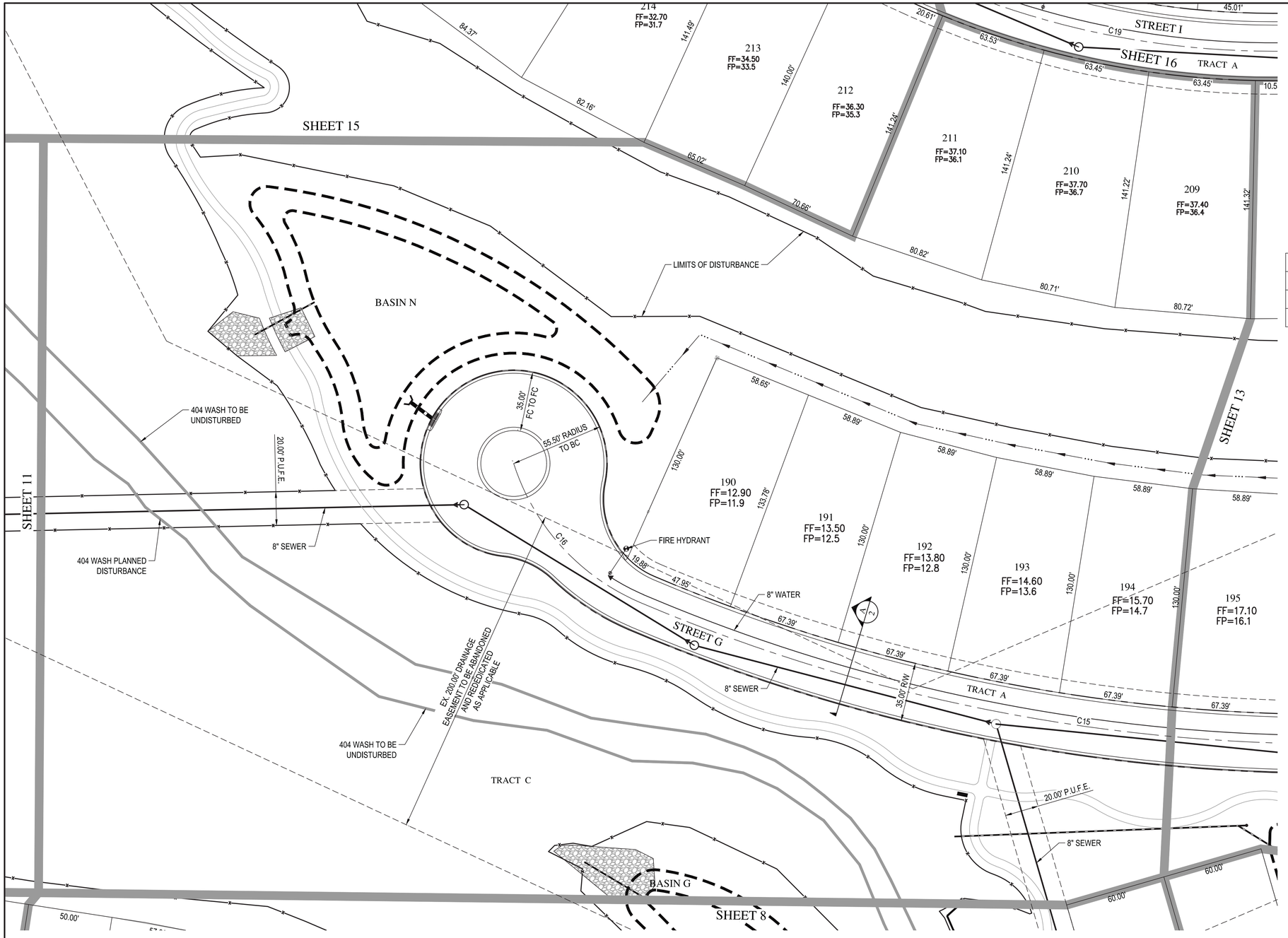
Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-011-SP-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C15	37°01'58"	1050.00'	678.66'	351.66	666.91
C16	49°18'03"	133.49'	114.86'	61.26	111.35

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

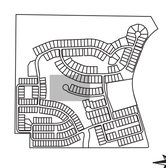
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION



KEY MAP

N

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W.
MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.

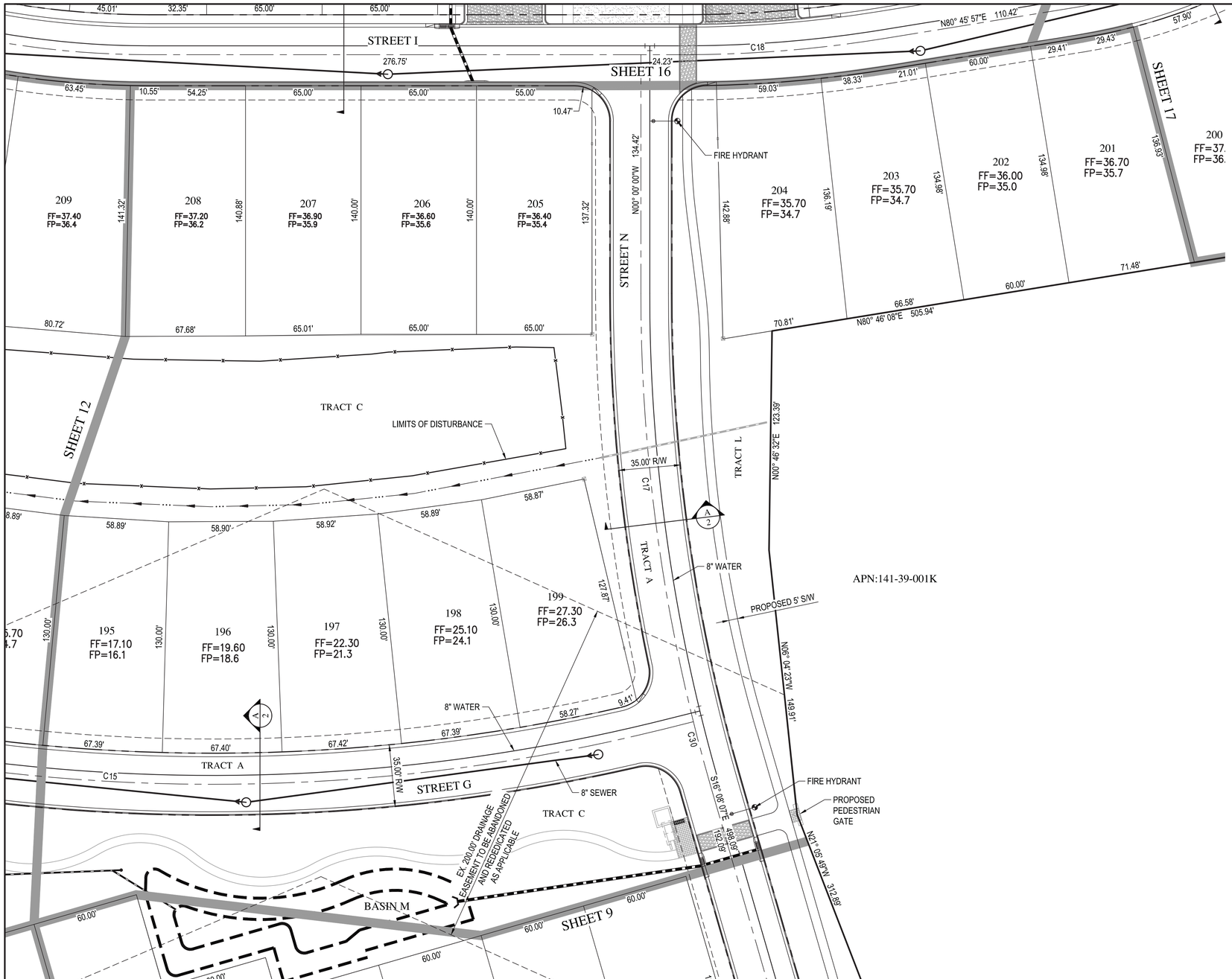
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	12 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-012-SP-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C15	37°01'58"	1050.00'	678.66'	351.66	666.91
C17	13°57'44"	1000.00'	243.69'	122.45	243.08
C30	2°10'23"	1000.00'	37.93'	18.97	37.93

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKEIT (782-5348)
In Maricopa County: (602) 263-1100

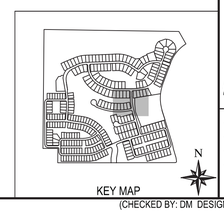
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DESCRIPTION	DATE



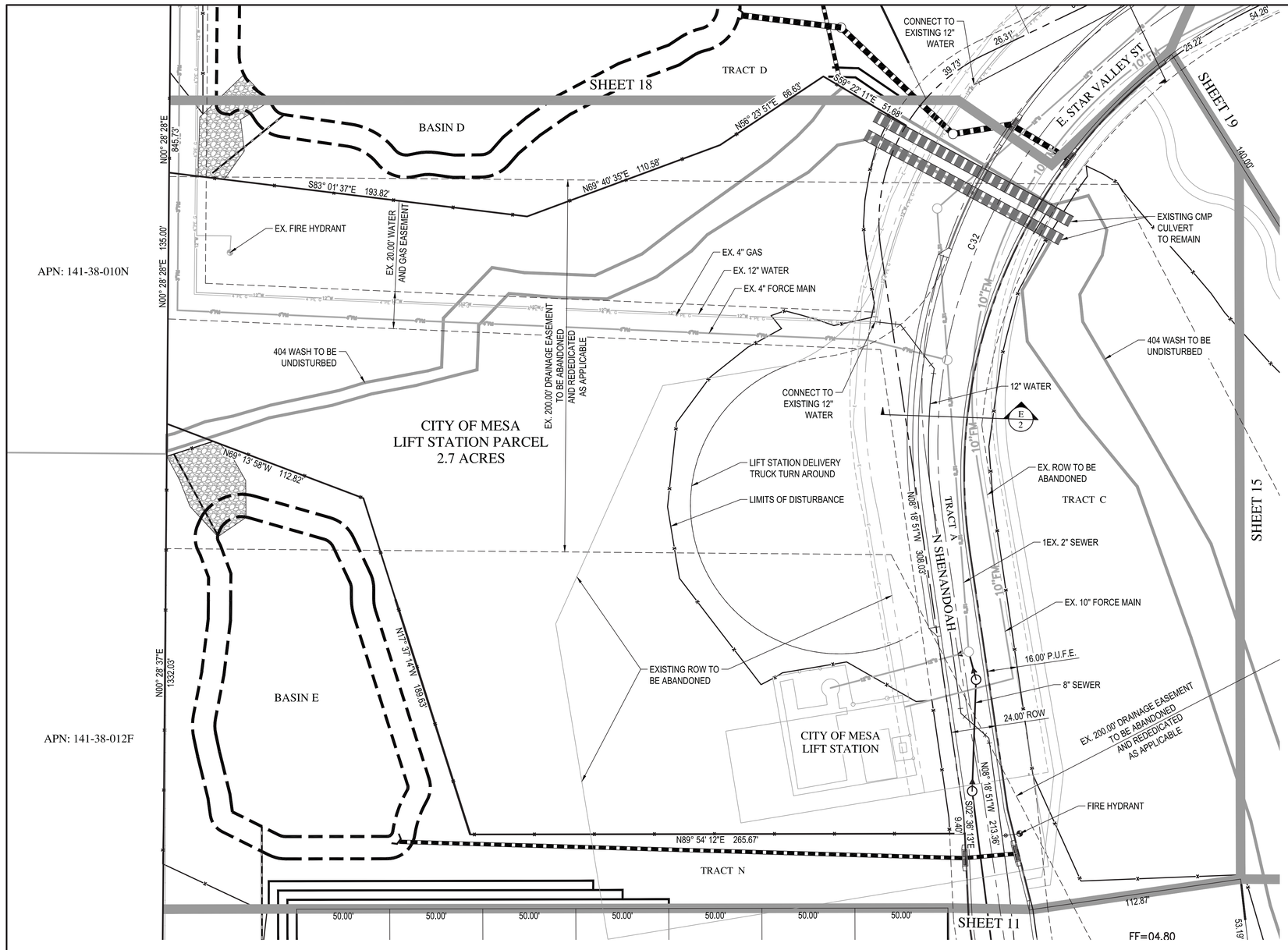
Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W.
MATTHEWS
ILLINOIS
U.S.A.
ARIZONA U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	13 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-013-SP-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C32	72°41'55"	280.00'	355.27'	206.05	331.92

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

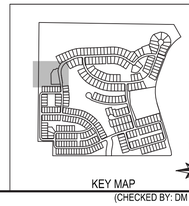
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION



KEY MAP

N

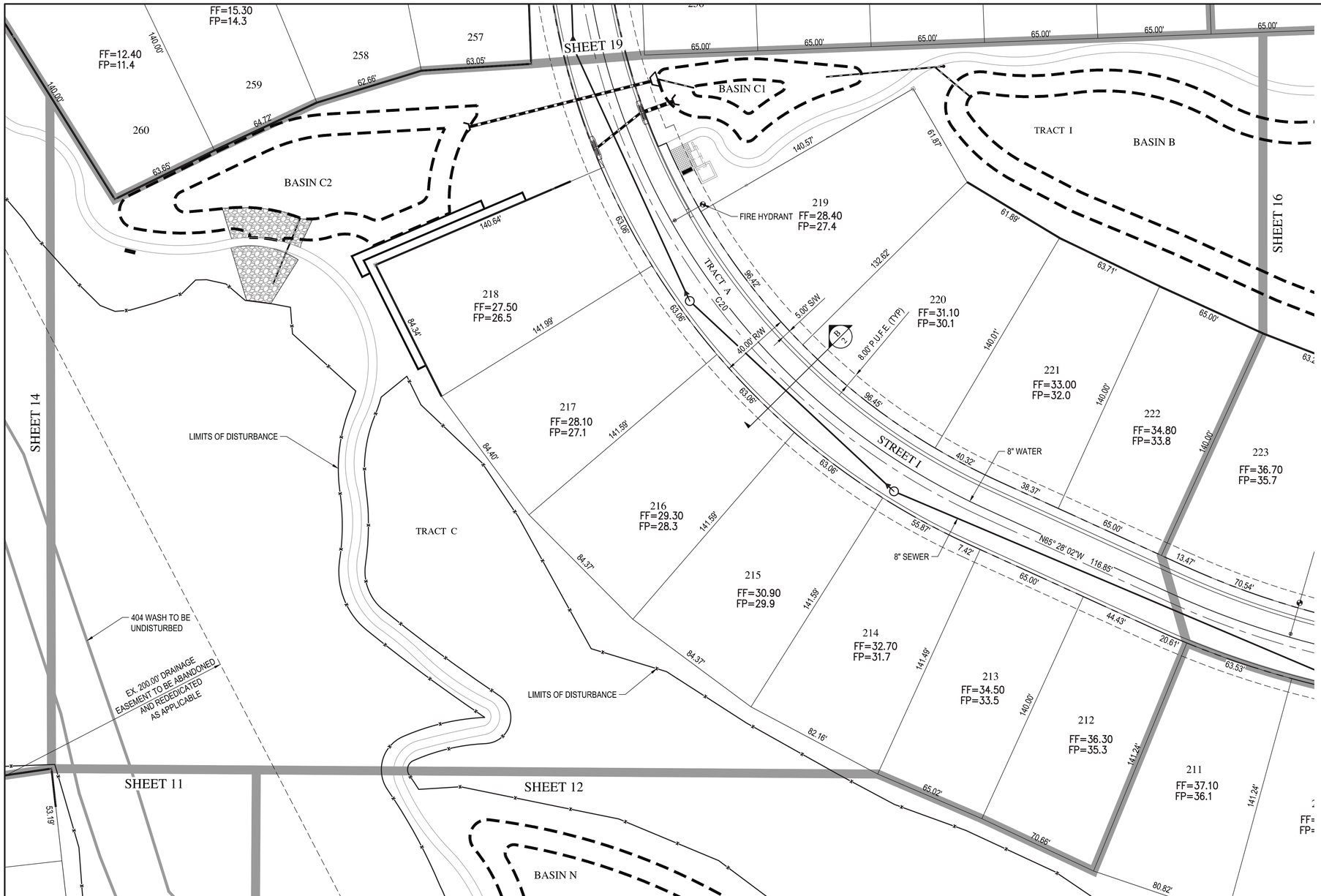
Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	14 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-014-SP-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C20	63°21'34"	400.00'	442.33'	246.85	420.14

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

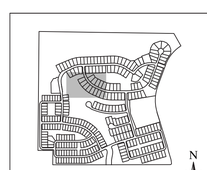
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION



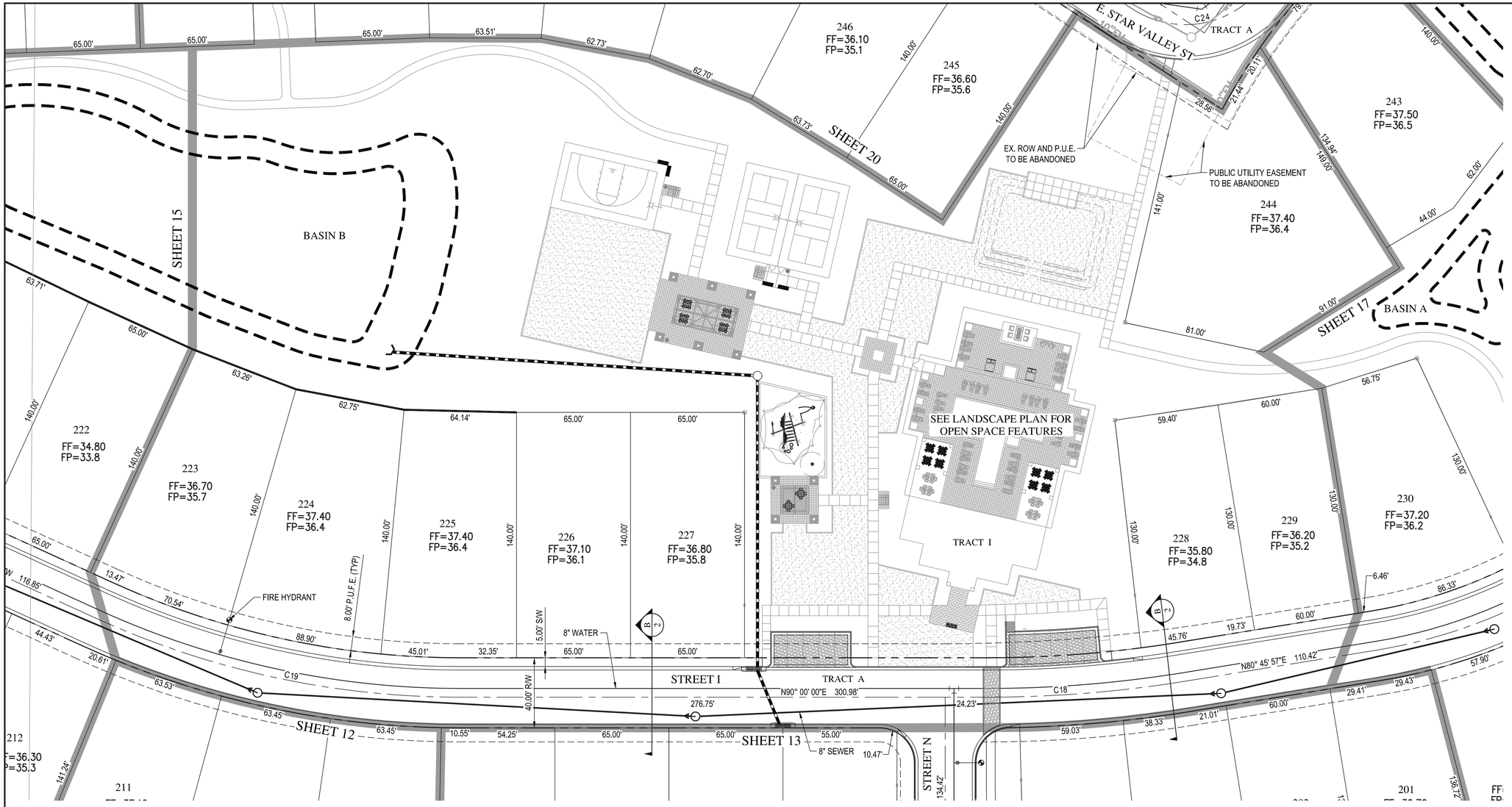


SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	15 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-015-SP-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C18	9°14'03"	700.00'	112.82'	56.53	112.69
C19	24°31'58"	500.00'	214.09'	108.71	212.46

KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-016-SP-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

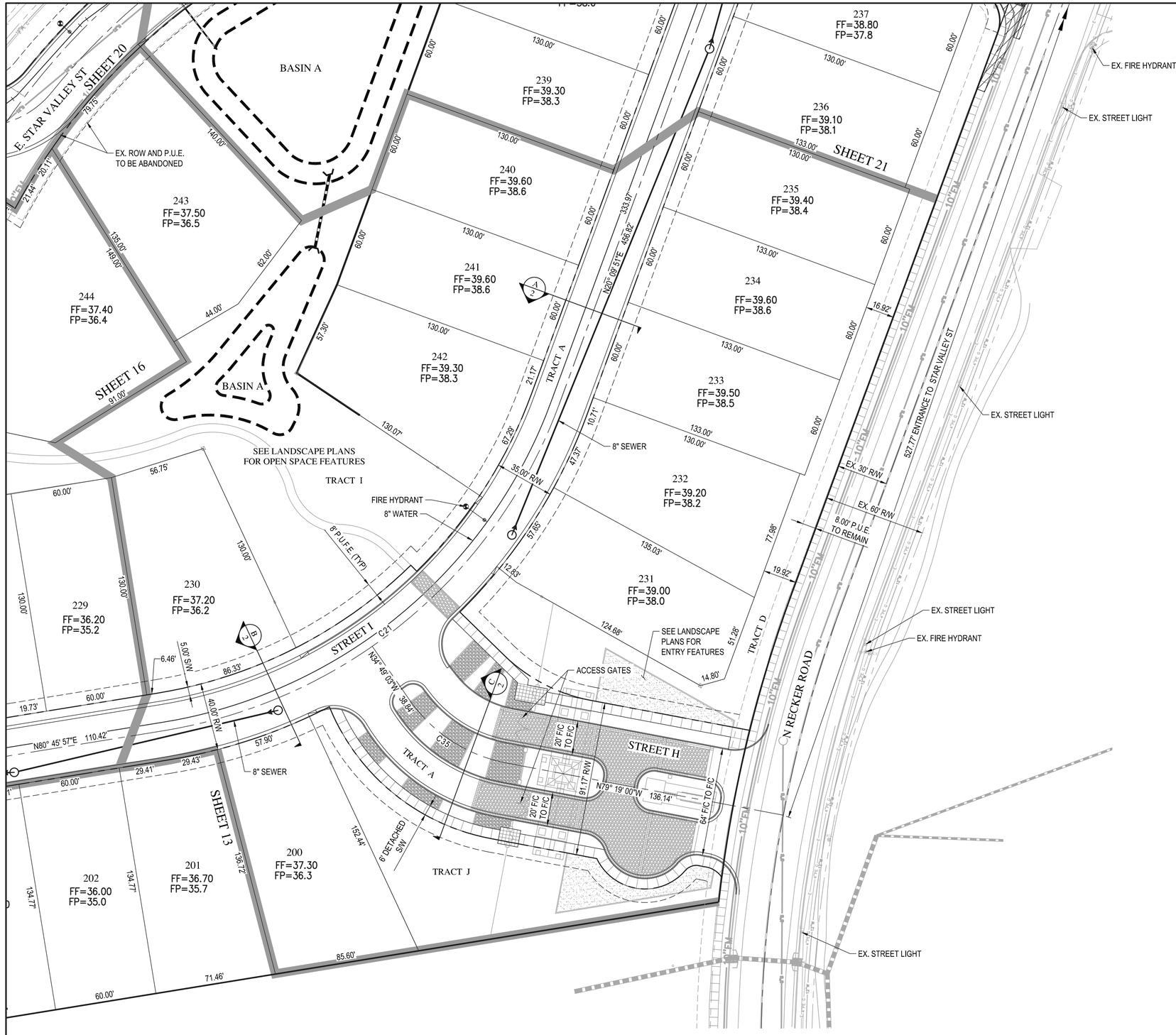
DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	16 OF 48

PRS19-00489



CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C21	60°36'06"	300.00'	317.31'	175.31	302.72
C35	44°29'57"	90.00'	69.90'	36.82	68.16

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

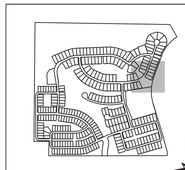
PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE

DESCRIPTION



KEY MAP

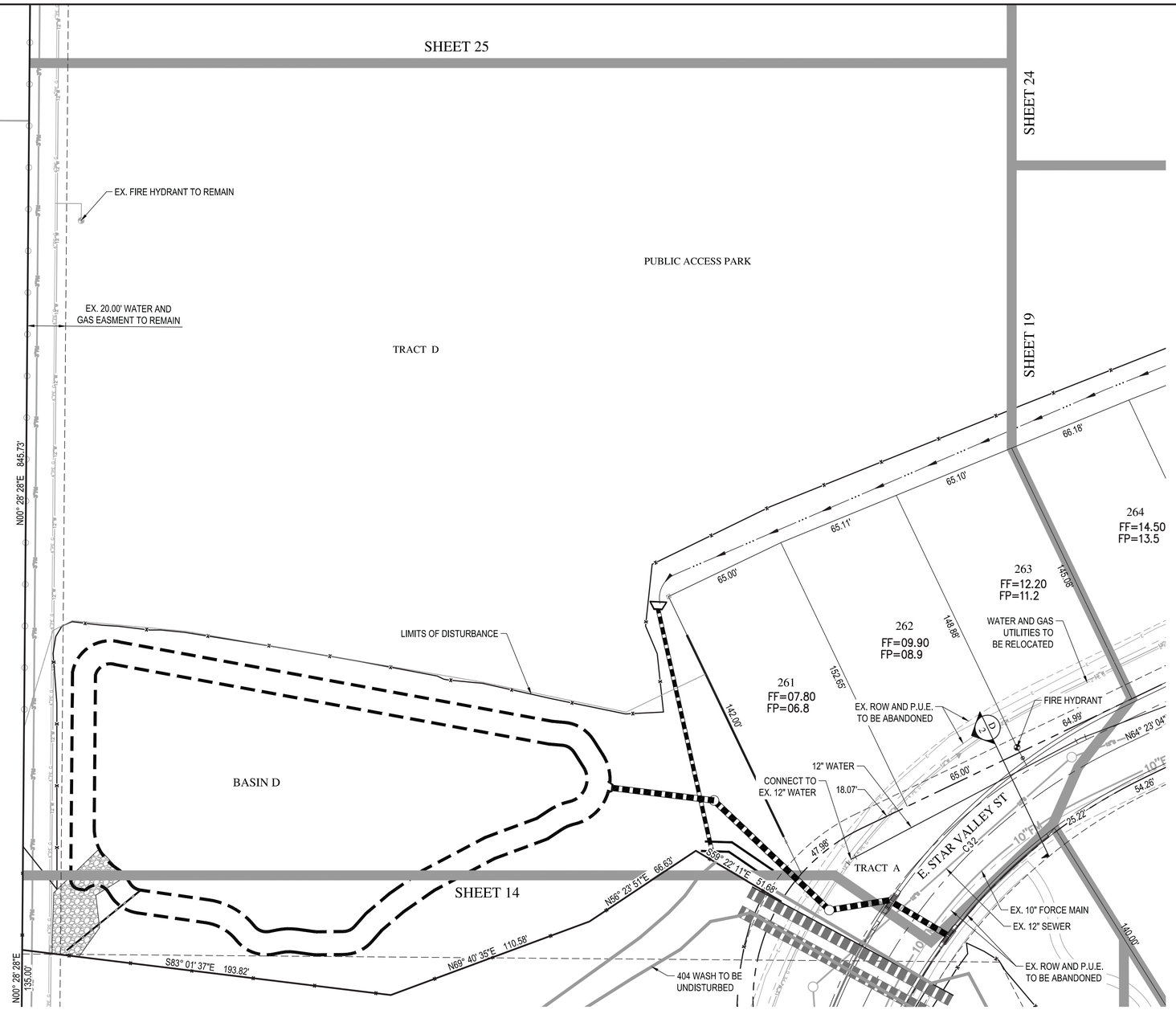
Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Registered 1/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	17 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat4961-017-SP-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C32	72°41'55"	280.00'	355.27'	206.05	331.92

KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-018-SP-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

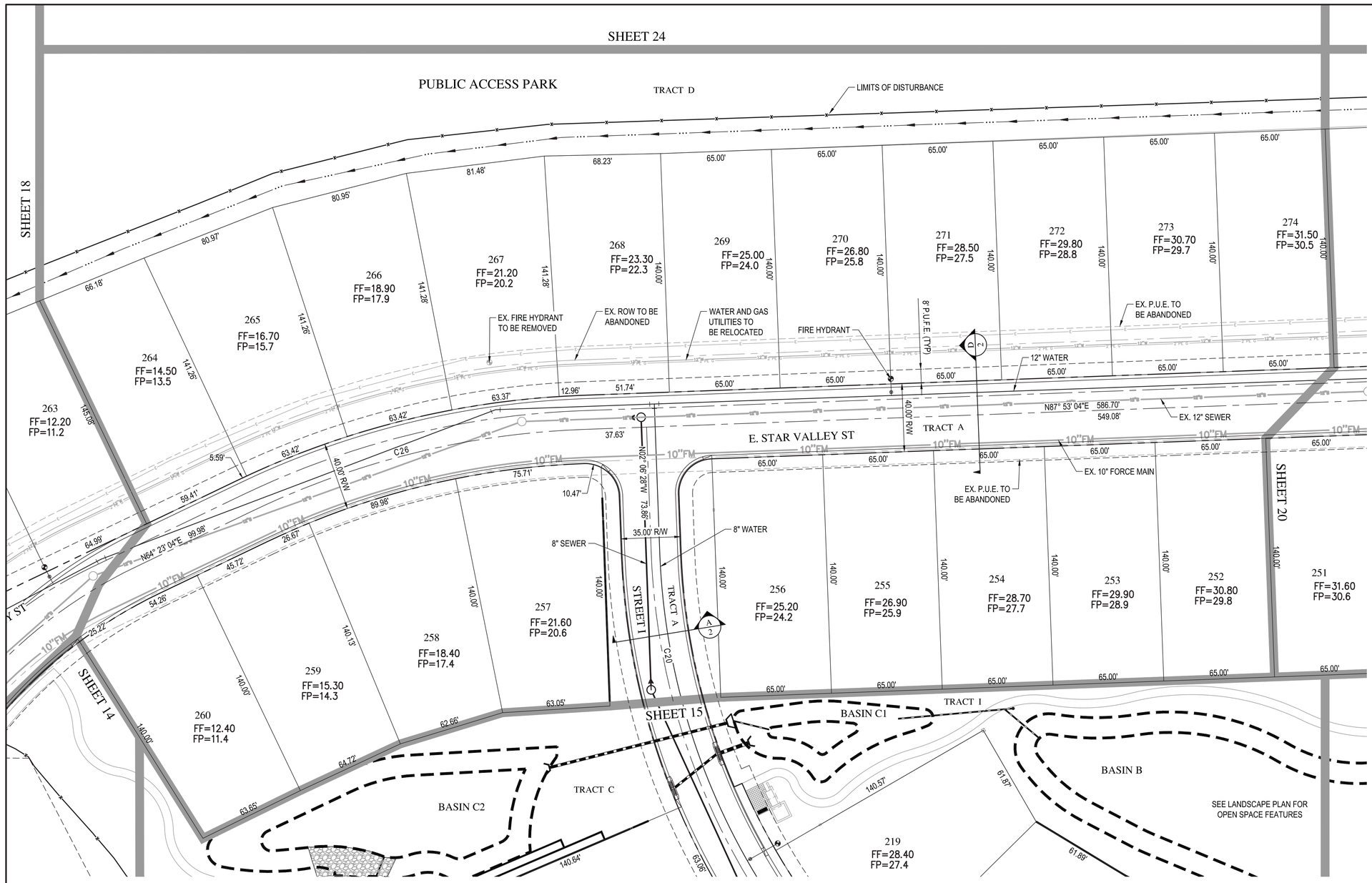
RESERVE AT RED ROCK
PRELIMINARY PLAT
MESA, ARIZONA
PRELIMINARY SITE PLAN

DATE	DESCRIPTION

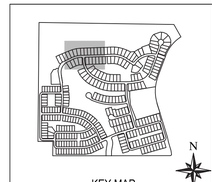
Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 1/09/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	18 OF 48

PRS19-00489



CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C20	63°21'34"	400.00'	442.33'	246.85	420.14
C26	23°30'00"	489.00'	200.56'	101.71	199.16



Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-019-SP-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	19 OF 48

PRS19-00489

SHEET 23

PUBLIC ACCESS PARK

TRACT D

LIMITS OF DISTURBANCE

N

0 30 60

Horz. 1 in. = 30 ft.

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C23	67°49'09"	389.00'	460.45'	261.49	434.03
C24	84°18'46"	55.00'	80.93'	49.79	73.83
C25	35°15'21"	489.00'	300.90'	155.38	296.17

274 FF=31.50 FP=30.5
275 FF=32.30 FP=31.3
276 FF=33.10 FP=32.1
277 FF=33.90 FP=32.9
278 FF=34.60 FP=33.6
279 FF=35.30 FP=34.3
280 FF=35.70 FP=34.7
281 FF=36.00 FP=35.0
282 FF=36.40 FP=35.4
283 FF=36.80 FP=35.8
284 FF=37.70 FP=36.7

FIRE HYDRANT
EX. FH TO BE REMOVED
12" WATER
WATER AND GAS UTILITIES TO BE RELOCATED
EX. P.U.E. TO BE ABANDONED
8' P.U.F.E. (TYP)
EX. R/W TO BE ABANDONED
40.00' R/W
E. STAR VALLEY ST
TRACT A
EX. 10" FORCE MAIN
EX. 12" SEWER
10"FM
C25
C23
C24
S56° 51' 35"E 119.04'

SHEET 19
SHEET 21
SHEET 17
SHEET 16

251 FF=31.60 FP=30.6
250 FF=32.90 FP=31.9
249 FF=33.90 FP=32.9
248 FF=34.80 FP=33.8
247 FF=35.50 FP=34.5
246 FF=36.10 FP=35.1
245 FF=36.60 FP=35.6
244 FF=37.40 FP=36.4
243 FF=37 FP=36

TRACT I
SEE LANDSCAPE PLANS FOR OPEN SPACE FEATURES
BASIN B

EX. P.U.E. TO BE ABANDONED

KEY MAP

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811 Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKEIT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE

DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	20 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-020-SP-ZN.dwg

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

CENTERLINE CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C22	6°50'27"	800.00'	95.52'	47.82	95.46
C23	67°49'09"	389.00'	460.45'	261.49	434.03

KEY MAP

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-021-SP-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
REGISTERED ENGINEER
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	21 OF 48

PRS19-00489

APN:141-38-043

EX. 5.00' ELECTRIC EASEMENT TO REMAIN

S89° 08' 51"E 2622.75'

APN:141-70-545

APN:141-70-544

APN:141-70-543

APN:141-70-542

APN:141-70-541

404 WASH TO BE UNDISTURBED

PUBLIC ACCESS PARK

TRACT D

LIMITS OF DISTURBANCE

S29° 56' 34"E 276.73'

SHEET 23

EX. 200.00' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED AS APPLICABLE

290
FF=39.30
FP=38.3

291
FF=39.50
FP=38.5

289
FF=38.70
FP=37.7

292
FF=38.90
FP=37.9

288
FF=39.00
FP=38.0

293
FF=38.80

TRACT A

STREET I

FIRE HYDRANT

8" SEWER

8" WATER

SHEET 21

EX. 8.00' PUE TO REMAIN

PARALLEL PARKING

N RECKER ROAD

EX. 30' R/W

EX. 60' R/W

439.00'

S54° 54' 25"W 37.17'

24.25' 36.78' 133.89' 73.55' 36.78' 36.15' 61.98' 34.74' 148.00' 140.00' 140.00' 36.85' 73.70' 44.64' 41.28' 37.53' 41.36' 57.38' 44.87' 148.00' 140.00' 36.85' 41.74' N13° 19' 24"E 51.58' 60.72'

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	22 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-022-SP-ZN.dwg

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

APN:141-38-043

S89° 08' 51"E 2622.75'

EX. 5.00' ELECTRICAL EASEMENT TO REMAIN

404 WASH TO BE UNDISTRUBED

EX. 200.00' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED AS APPLICABLE

SHEET 24

SHEET 22

PUBLIC ACCESS PARK

TRACT D

SHEET 21

SHEET 20

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-023-SP-ZN.dwg

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

PRS19-00489

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	23 OF 48

APN:141-38-043

S89° 08' 51"E 2622.75'

EX. 5.00' ELECTRICAL EASEMENT TO REMAIN

N

0 30 60

Horz. 1 in. = 30 ft.

SHEET 25

PUBLIC ACCESS PARK

SHEET 23

TRACT D

SHEET 18

SHEET 19

LIMITS OF DISTURBANCE

KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-024-SP-ZN.dwg

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

PRS19-00489

WOOD/PATEL

MISSION: CLIENT SERVICE®

(602) 335-8500

WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.

ARIZONA811

Arizona Blue Stake, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE

DESCRIPTION

Registered Professional Engineer (Civil)

CERTIFICATE NO.

53408

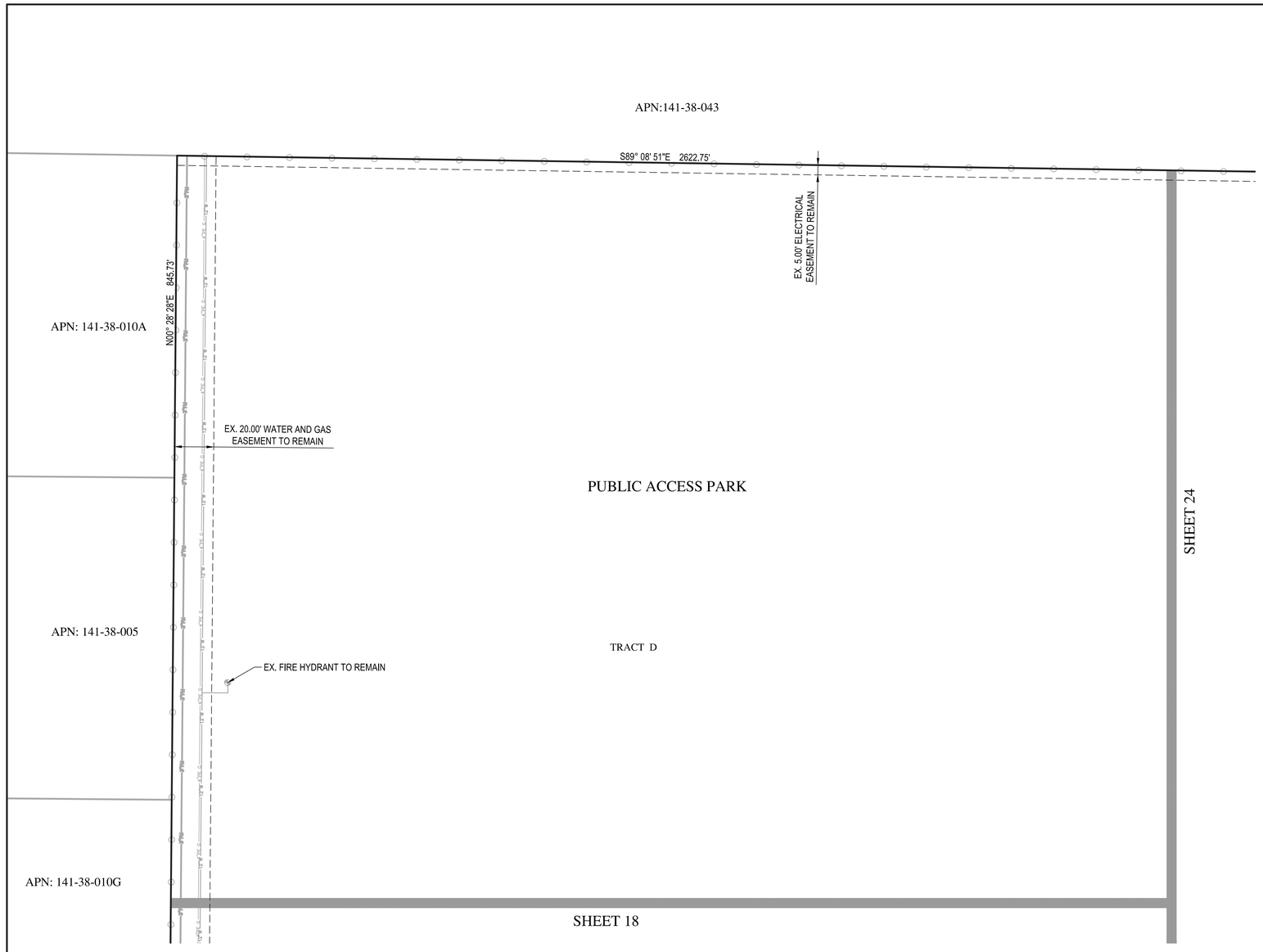
DANIEL W. MATTHEWS

Date Signed 11/08/19

ARIZONA, U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	24 OF 48



N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKEIT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

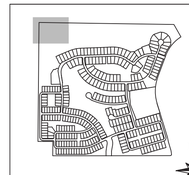
PRELIMINARY SITE PLAN

DESCRIPTION	DATE

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	25 OF 48



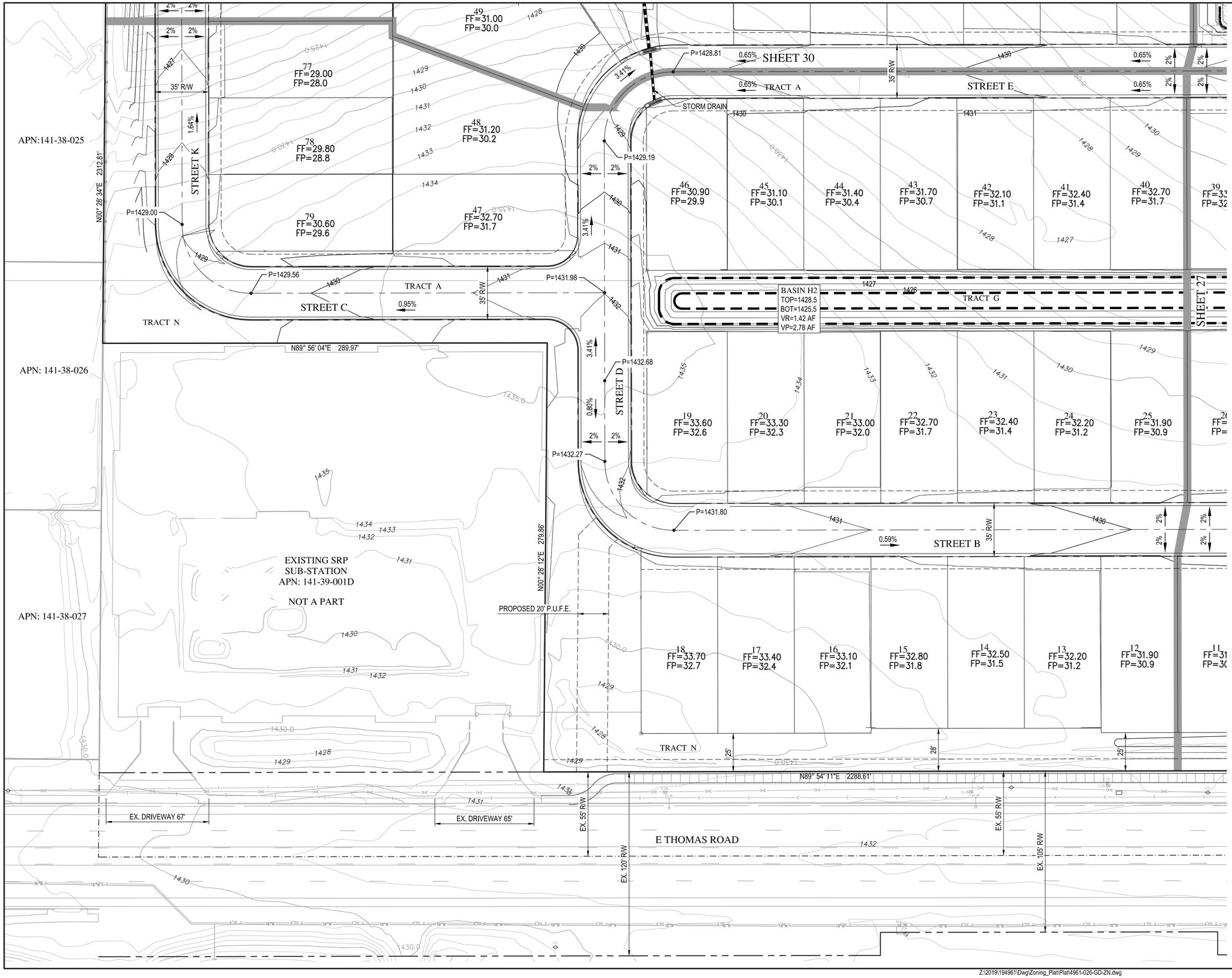
KEY MAP

N

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-025-SP-ZN.dwg

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



BASIN "H" VOLUME REQUIRED CALC:

VR = (2.20"/12) x [(5.88x0.70) + (4.23x0.73) + (0.62x0.50) + (0.55x0.50) = 1.42 AF

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

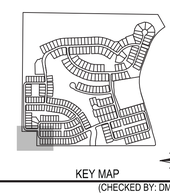
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION



Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	26 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-026-GD-ZN.dwg

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

N

0 30 60

Horz. 1 in. = 30 ft.

BASIN "H" VOLUME REQUIRED CALC:

VR = (2.20"/12) x [(5.88x0.70) + (4.23x0.73) + (0.62x0.50) + (0.55x0.50) = 1.42 AF

BASIN "I" VOLUME REQUIRED CALC:

VR = [(2.20"/12) x (4.55x0.67)] + 0.32 AF = 0.88 AF

KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-027-GD-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

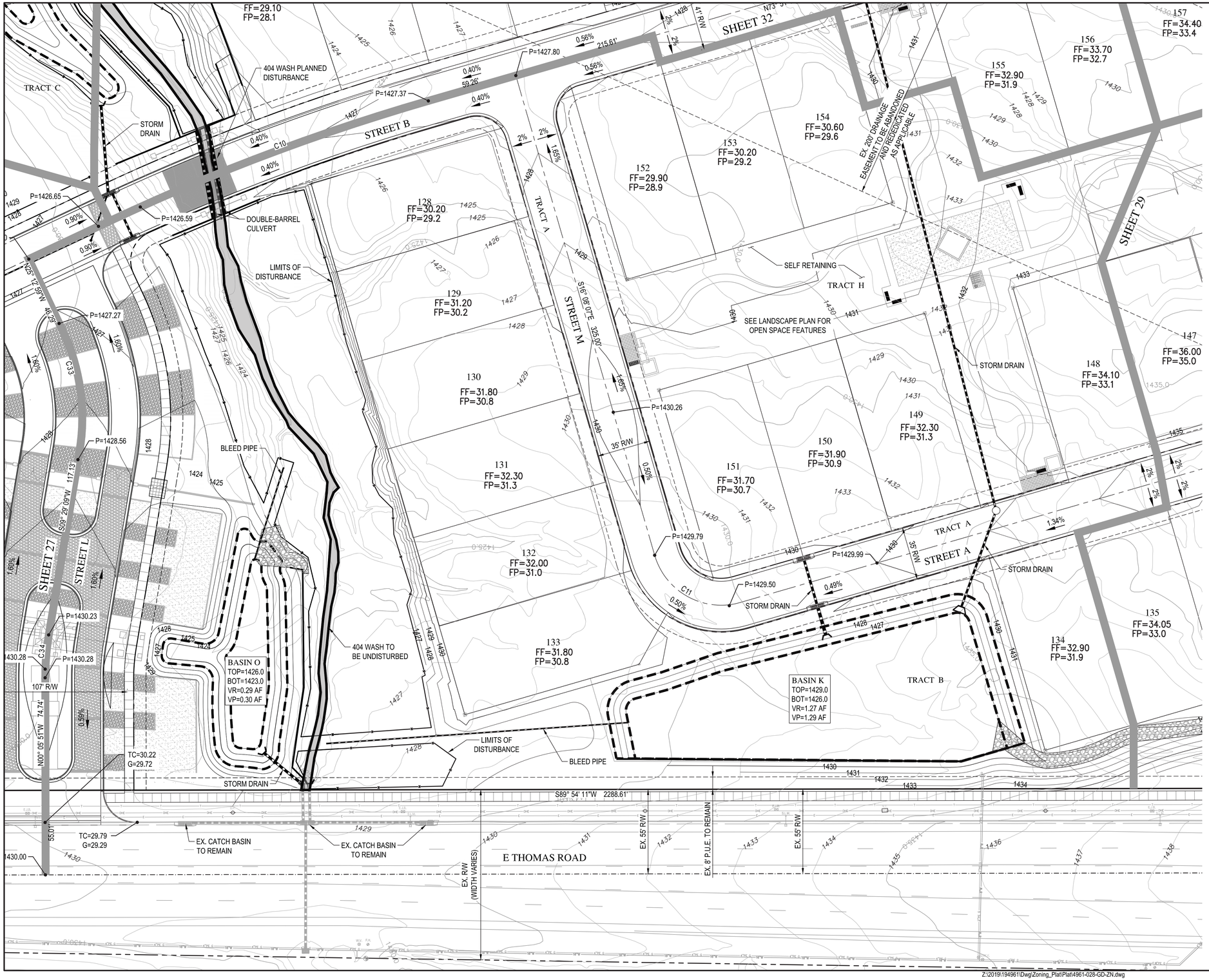
DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	27 OF 48

PRS19-00489



BASIN "K" VOLUME REQUIRED CALC:

VR = (2.20"/12) x [(4.94x0.72) + (3.54x0.72) + (1.66x0.50) = 1.27 AF

BASIN "O" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (2.38x0.68) = 0.29 AF

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

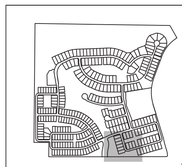
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DESCRIPTION	DATE



KEY MAP

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W.
MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	28 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-028-GD-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

BASIN "P" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (1.13x0.50) = 0.10 AF

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Registered Arizona U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	29 OF 48

KEY MAP

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-029-GD-ZN.dwg

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

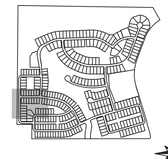


BASIN "F" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (4.67x0.69) = 0.59 AF

BASIN "H" VOLUME REQUIRED CALC:

VR = (2.20"/12) x [(5.88x0.70) + (4.23x0.73) + (0.62x0.50) + (0.55x0.50) = 1.42 AF



KEY MAP

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DESCRIPTION	DATE

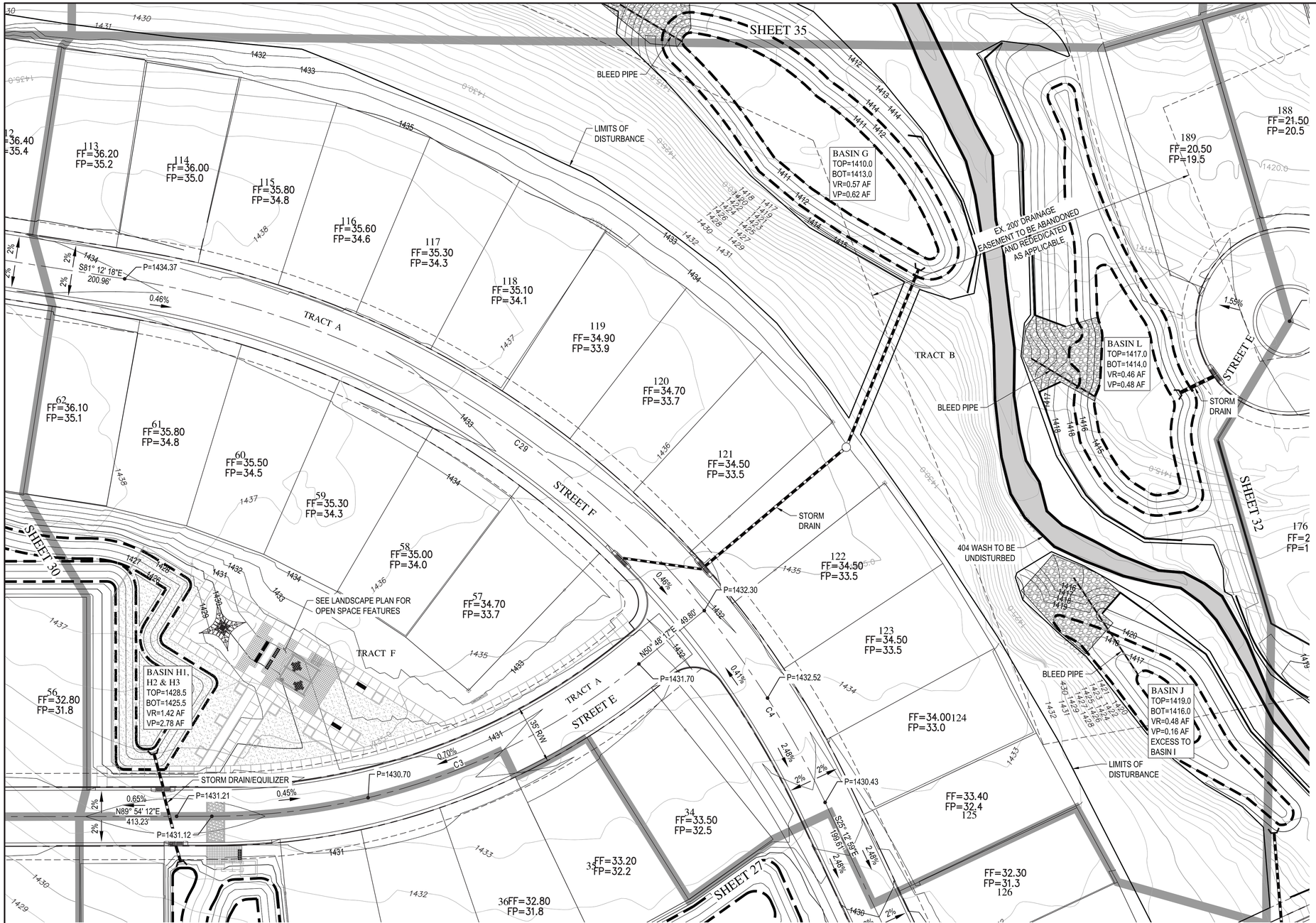
Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-030-GD-ZN.dwg

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



BASIN "G" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (4.60x0.67) = 0.57 AF

BASIN "J" VOLUME REQUIRED CALC:

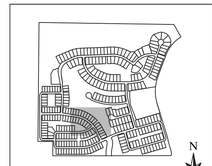
VR = (2.20"/12) x (3.79x0.69) = 0.48 AF

BASIN "H" VOLUME REQUIRED CALC:

VR = (2.20"/12) x [(5.88x0.70) + (4.23x0.73) + (0.62x0.50) + (0.55x0.50) = 1.42 AF

BASIN "L" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (3.63x0.69) = 0.46 AF



KEY MAP

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Registered Professional Engineer, State of Arizona
CERTIFICATE NO. 53408
DANIEL W. MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	31 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-031-GD-ZN.dwg

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

TRACT C

BLEED PIPE

BASIN M
TOP=1415.0
BOT=1412.0
VR=0.15 AF
VP=0.31 AF

SHEET 36

EX. 200' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED, IF APPLICABLE

P=1425.33

2%

192.09'

1.78%

S21° 05' 49"E 312.89'

APN:141-39-001K

P=1427.27

S16° 08' 07"E 498.09'

1.78%

TRACT A

35' R/W

N73° 53' 26"E 479.77'

306.00'

P=1429.22

TRACT C

SHEET 33

188
FF=21.50
FP=20.5

189
=20.50
=19.5

187
FF=23.60
FP=22.6

186
FF=24.70
FP=23.7

185
FF=25.90
FP=24.9

184
FF=27.10
FP=26.1

183
FF=28.30
FP=27.3

182
FF=28.30
FP=27.3

181
FF=27.10
FP=26.1

180
FF=25.90
FP=24.9

179
FF=24.70
FP=23.7

178
FF=23.60
FP=22.6

177
FF=22.00
FP=21.0

176
FF=20.70
FP=19.7

169
FF=32.80
FP=31.8

168
FF=33.60
FP=32.6

167
FF=34.40
FP=33.4

170
FF=30.40
FP=29.4

171
FF=30.10
FP=29.1

172
FF=29.80
FP=28.8

173
FF=29.50
FP=28.5

174
FF=29.30
FP=28.3

175
FF=29.10
FP=28.1

154
FF=30.60
FP=29.6

153
FF=30.20
FP=29.2

152
FF=29.90

156
FF=33.70
FP=32.7

155
FF=32.90
FP=31.9

157
FF=34
FP=33

P=1423.33

35' R/W

N73° 51' 53"E 286.21'

2.00%

STREET E

P=1419.61

1.56%

C14

P=1421.65

1.87%

TRACT A

1.87%

STREET N

TRACT C

TRACT A

TRACT O

SHEET 31

SHEET 28

404 WASH TO BE UNDISTURBED

LIMITS OF DISTURBANCE

DOUBLE-BARREL CULVERT

TRACT C

STORM DRAIN

P=1427.37

0.40%

59.26'

P=1427.80

0.56%

215.61'

0.56%

6' S/W

41' R/W

N73° 51' 53"E 739.93'

P=1428.98

35' R/W

2.27%

STREET B

P=1431.25

1.29%

P=1432.80

TRACT A

SEE LANDSCAPE PLAN FOR OPEN SPACE FEATURES

STORM DRAIN

TRACT H

TRACT B

STREET M

C10

0.40%

1.65%

EX. 200' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED, IF APPLICABLE

0.45%

N

0 30 60

Horz. 1 in. = 30 ft.

BASIN "M" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (1.18x0.71) = 0.15 AF

KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-032-GD-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DESCRIPTION	DATE

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Registered 11/30/19
ARIZONA, U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	32 OF 48

PRS19-00489



Horz. 1 in. = 30 ft.

KEY MAP

Z:\2019\194981\Dwg\Zoning_Plat\Plat194981-033-GDN.dwg

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

DESCRIPTION	DATE

SCALE (HORIZ.) 1" = 30'
SCALE (VERT.) N/A
DATE 11/08/2019
JOB NUMBER 194981
SHEET 33 OF 48

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

WOOD/PATEL
MISSION: CLIENT SERVICE ®
(602) 335-8500
WWW.WOODPATEL.COM

PRS19-00489

SHEET 38

SHEET 37

SHEET 35

SHEET 30

TRACT N

TRACT A

TRACT C

TRACT E

STREET J

STREET K

N SHENANDOAH

84 FF=13.30 FP=12.3

85 FF=11.40 FP=10.4

86 FF=09.80 FP=08.8

87 FF=08.70 FP=07.7

88 FF=07.60 FP=06.6

89 FF=07.20 FP=06.2

90 FF=07.00 FP=06.0

91 FF=04.80 FP=03.8

92 FF=06.20 FP=05.2

93 FF=08.30 FP=07.3

94 FF=11.10 FP=10.1

95 FF=14.80 FP=13.8

96 FF=18.80 FP=17.8

97 FF=23.40 FP=22.4

98 FF=24.00 FP=23.0

99 FF=19.10 FP=18.1

100 FF=14.70 FP=13.7

101 FF=10.60 FP=09.6

83 FF=18.70 FP=17.7

82 FF=22.30 FP=21.3

81 FF=25.80 FP=24.8

80 FF=28.40 FP=27.4

P=1402.31

P=1405.25

P=1405.12

P=1411.24

P=1414.35

P=1419.29

P=1428.29

N89° 54' 12"E 376.77'

404 WASH TO BE UNDISTURBED

EX. 200' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED, IF APPLICABLE

PROPOSED 20' P.U.F.E.

LIMITS OF DISTURBANCE

BLEED PIPE

35' R/W

35' R/W

35' R/W

APN: 141-38-006L

2.27%

0.42%

7.23%

9.06%

6.50%

0.45%

2%

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

N

WOOD/PATEL

MISSION: CLIENT SERVICE®

(602) 335-8500

WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.

ARIZONA811

Arizona Blue Stake, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE

DESCRIPTION

Registered Professional Engineer (Civil)

CERTIFICATE NO.

53408

DANIEL W. MATTHEWS

Registered 11/05/19

ARIZONA, U.S.A.

EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	34 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-034-GD-ZN.dwg

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

BASIN N
TOP=1408.0
BOT=1405.0
VR=0.50 AF
VP=0.93 AF

BASIN "N" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (3.81x0.72) = 0.50 AF

N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	35 OF 48

KEY MAP

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-035-GD-ZN.dwg

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



BASIN "M" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (1.18x0.71) = 0.15 AF

N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

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

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W.
MATTHEWS
ARIZONA U.S.A.
EXPIRES 06-30-21

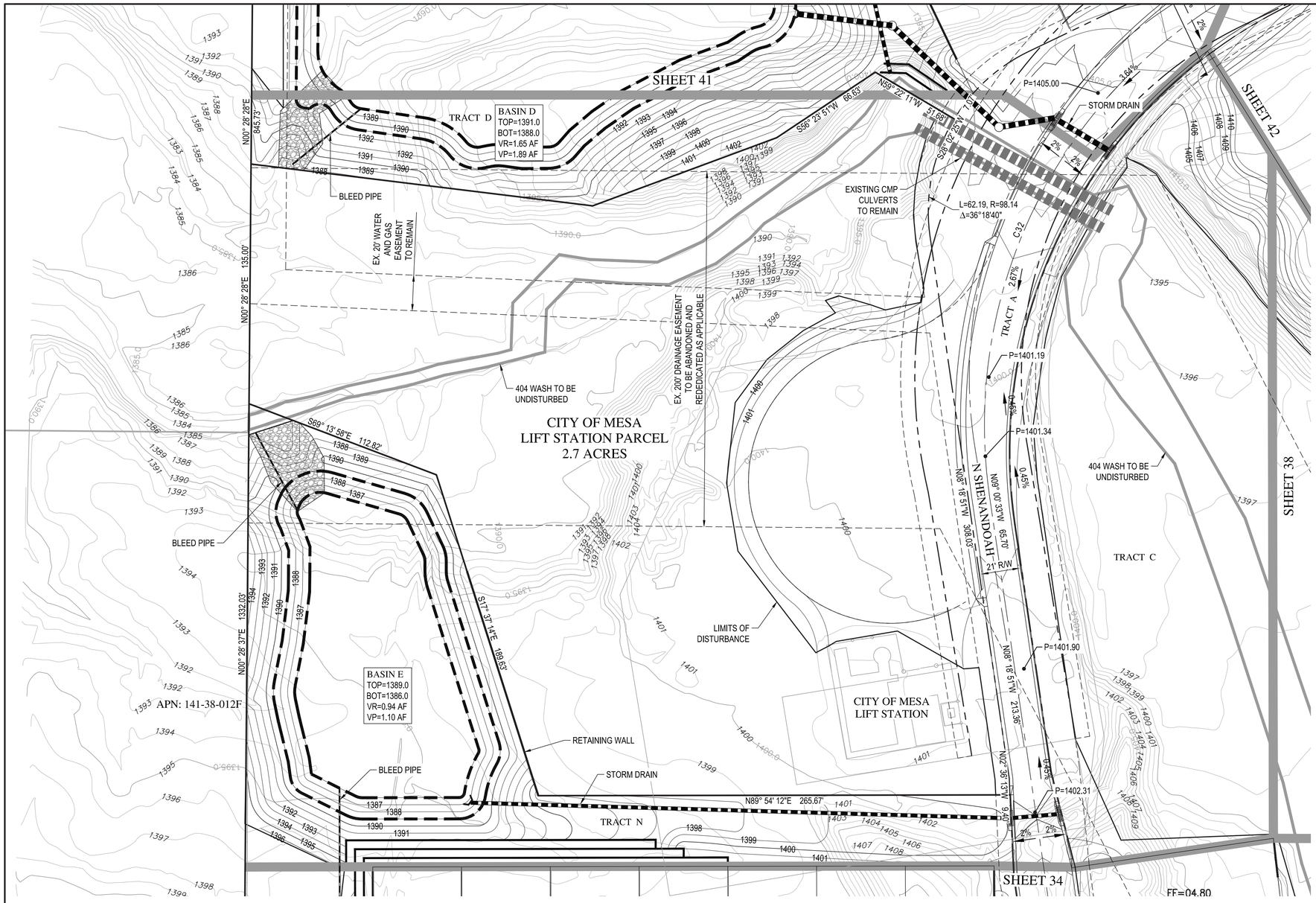
SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	36 OF 48

KEY MAP

PRS19-00489

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

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



BASIN "D" VOLUME REQUIRED CALC:

VR = (2.20"/12) x [(11.74x0.71) + (1.19x0.50) = 1.65 AF

BASIN "E" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (7.55x0.68) = 0.94 AF

N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKEIT (782-5348)
In Maricopa County: (602) 263-1100

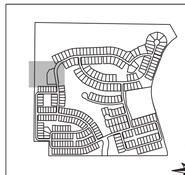
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DESCRIPTION	DATE



KEY MAP

N

Registered Professional Engineer | 2019
CERTIFICATE NO. 53408
DANIEL W. MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	37 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-037-GD-ZN.dwg

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

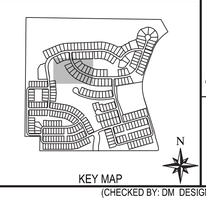


BASIN "B" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (10.44x0.71) = 1.36 AF

BASIN "C" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (4.17x0.68) = 0.52 AF



KEY MAP

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DESCRIPTION	DATE

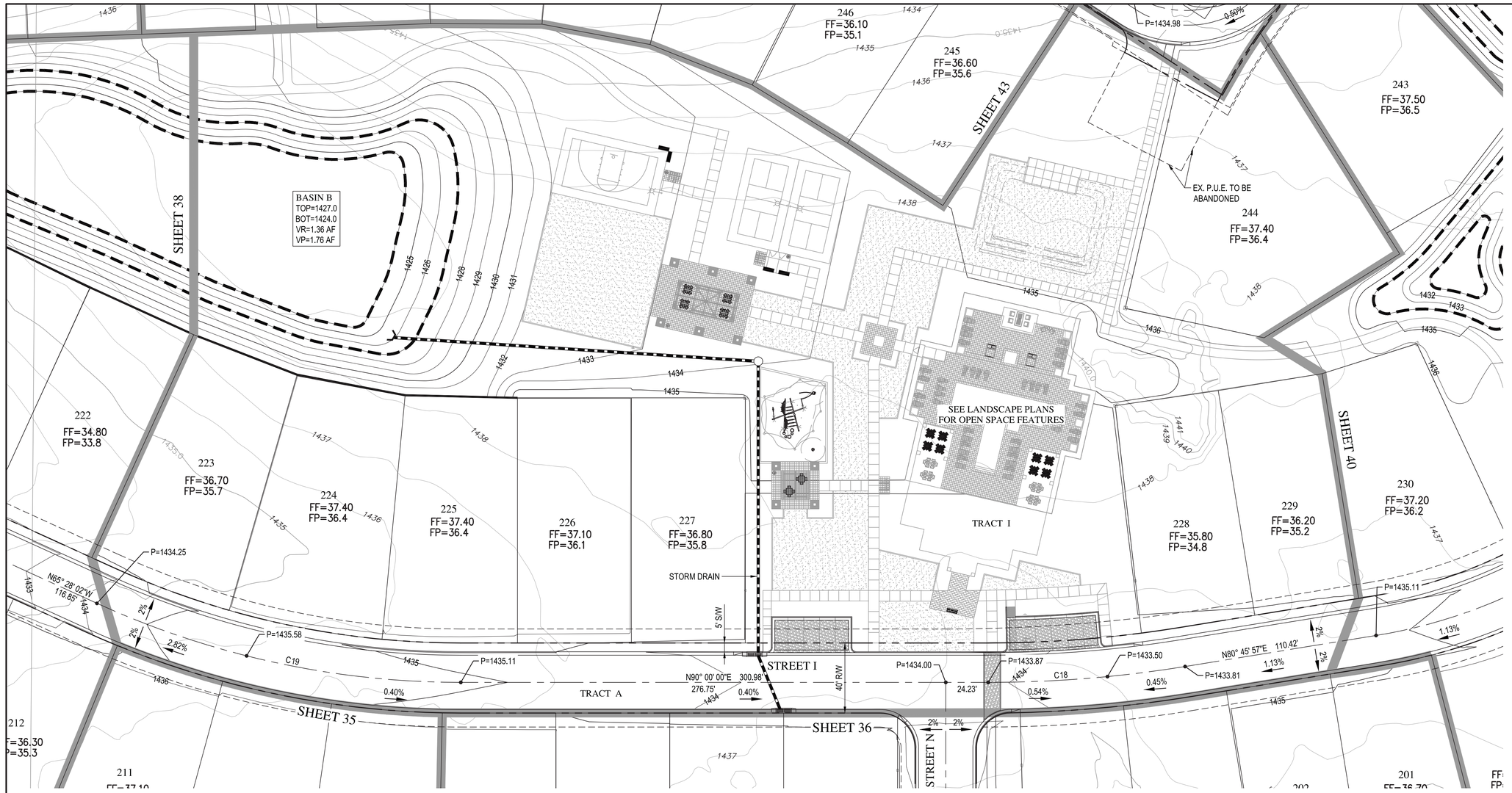
Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W.
MATTHEWS
Date Signed 11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	38 OF 48

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-038-GD-ZN.dwg

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



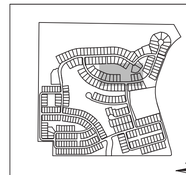
N

0 30 60

Horz. 1 in. = 30 ft.

BASIN "B" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (10.44x0.71) = 1.36 AF



KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-039-GD-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DESCRIPTION	DATE

Registered Professional Engineer | State
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA U.S.A.
EXPIRES 06-30-21

SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	39 OF 48

PRS19-00489



N

0 30 60

Horz. 1 in. = 30 ft.

BASIN "A" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (6.44x0.70) = 0.83 AF

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DESCRIPTION	DATE

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W.
MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

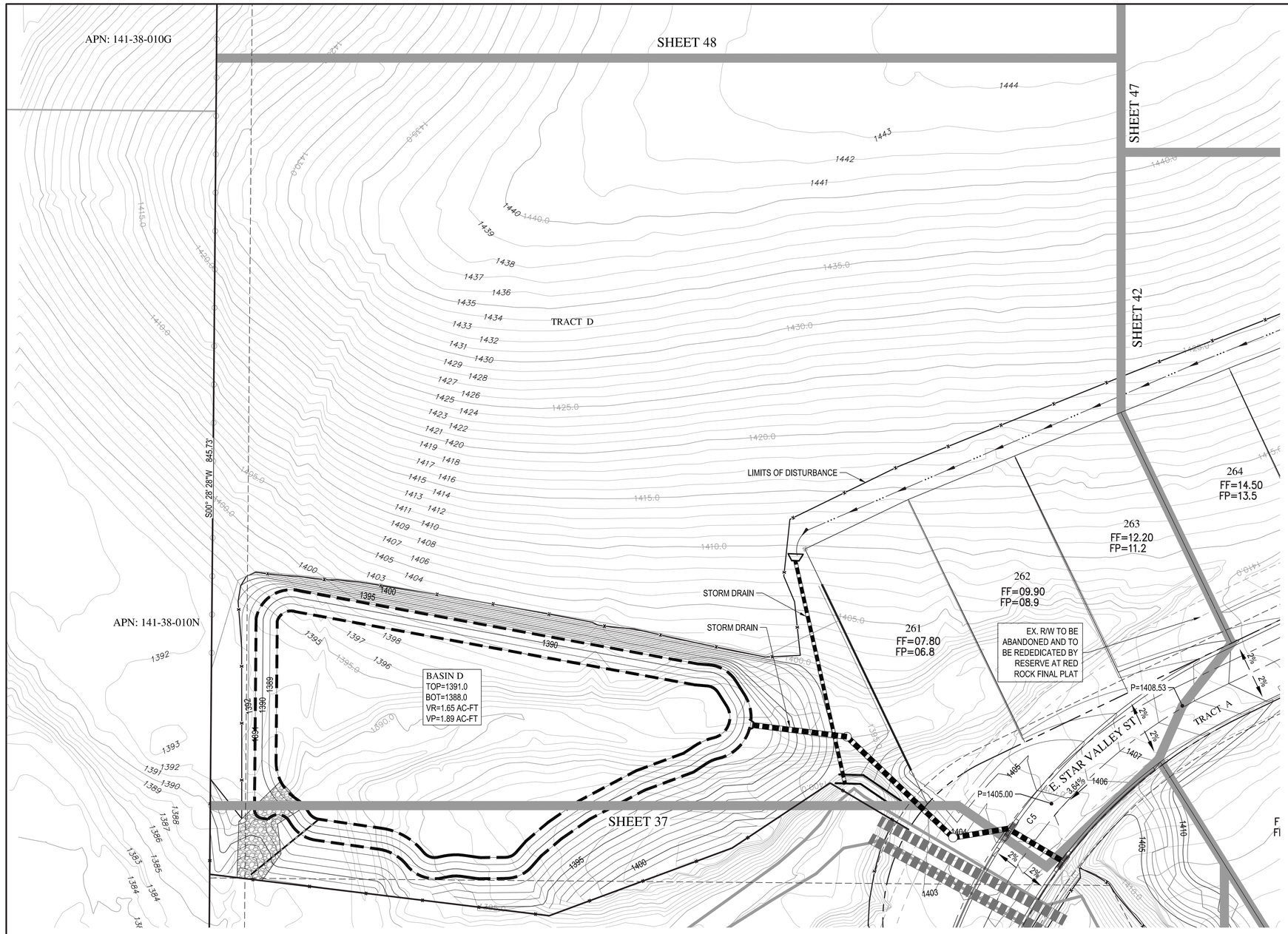
SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	40 OF 48

KEY MAP

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-040-GD-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

BASIN "D" VOLUME REQUIRED CALC:

VR = (2.20"/12) x [(11.74x0.71) + (1.19x0.50)] = 1.65 AF

KEY MAP

N

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/2019
ARIZONA U.S.A.

EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-041-GD-ZN.dwg

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

SHEET 47

SHEET 41

TRACT D

LIMIT OF DISTURBANCE

263 FF=12.20 FP=11.2

264 FF=14.50 FP=13.5

265 FF=16.70 FP=15.7

266 FF=18.90 FP=17.9

267 FF=21.20 FP=20.2

268 FF=23.30 FP=22.3

269 FF=25.00 FP=24.0

270 FF=26.80 FP=25.8

271 FF=28.50 FP=27.5

272 FF=29.80 FP=28.8

273 FF=30.70 FP=29.7

274 FF=31.50 FP=30.5

EX. R/W TO BE ABANDONED

EX. P.U.E. TO BE ABANDONED

E. STAR VALLEY ST

40' R/W

P=1421.00

P=1420.07

P=1411.72

C26

3.64%

N87° 53' 04"E 586.70'

1.25%

2%

TRACT A

N02° 06' 28"W 73.86'

6.56%

35' R/W

75.71'

N64° 23' 04"E 76.92'

P=1424.20

STREET I

P=1425.71

P=1408.53

SHEET 43

251 FF=31.60 FP=30.6

252 FF=30.80 FP=29.8

253 FF=29.90 FP=28.9

254 FF=28.70 FP=27.7

255 FF=26.90 FP=25.9

256 FF=25.20 FP=24.2

257 FF=21.60 FP=20.6

258 FF=18.40 FP=17.4

259 FF=15.30 FP=14.3

260 FF=12.40 FP=11.4

SHEET 37

SHEET 38

P=1425.22

1.30%

TRACT C

TRACT I

219

N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL

MISSION: CLIENT SERVICE®

(602) 335-8500

WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Registered Professional Engineer Brief
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA U.S.A.
EXPIRES 06-30-21

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

KEY MAP

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-042-GD-ZN.dwg

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

SHEET 46

LIMITS OF DISTURBANCE

TRACT D

DRAINAGE SWALE

274
FF=31.50
FP=30.5

275
FF=32.30
FP=31.3

276
FF=33.10
FP=32.1

277
FF=33.90
FP=32.9

278
FF=34.60
FP=33.6

279
FF=35.30
FP=34.3

280
FF=35.70
FP=34.7

281
FF=36.00
FP=35.0

282
FF=36.40
FP=35.4

283
FF=36.80
FP=35.8

284
FF=37.70
FP=36.7

EX. R/W TO BE ABANDONED

EX. R/W TO BE ABANDONED

P=1431.61

N87° 53' 04"E 586.70'

P=1433.00

C25

E. STAR VALLEY ST

TRACT A

40' R/W

BLEED PIPE

SHEET 42

SHEET 44

SHEET 40

SHEET 38

SHEET 39

P=1434.21

S56° 51' 35"E 119.04'

P=1435.29

C24

P=1434.98

251
FF=31.60
FP=30.6

250
FF=32.90
FP=31.9

249
FF=33.90
FP=32.9

248
FF=34.80
FP=33.8

247
FF=35.50
FP=34.5

246
FF=36.10
FP=35.1

245
FF=36.60
FP=35.6

244
FF=37.40
FP=36.4

243
FF=37.
FP=36.

SEE LANDSCAPE PLANS FOR OPEN SPACE FEATURES

TRACT I

EX. P.U.E. TO BE ABANDONED

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

N

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-043-GD-ZN.dwg

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

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE

DESCRIPTION

Registered Professional Engineer (civil)
CERTIFICATE NO.
53408
DANIEL W.
MATTHEWS
11/08/19
ARIZONA, U.S.A.
EXPIRES 06-30-21

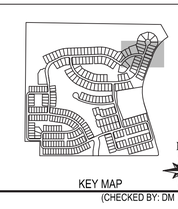
SCALE (HORIZ.)	1" = 30'
SCALE (VERT.)	N/A
DATE	11/08/2019
JOB NUMBER	194961
SHEET	43 OF 48

PRS19-00489



BASIN "A" VOLUME REQUIRED CALC:

VR = (2.20"/12) x (6.44x0.70) = 0.83 AF



WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-044-GD-ZN.dwg

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

STATE TRUST LAND

S89° 08' 51"E 2622.75'

APN:141-70-544

APN:141-70-543

APN:141-70-542

APN:14

404 WASH TO BE UNDISTURBED

STORM DRAIN

SHEET 46

SHEET 44

290
FF=39.30
FP=38.3

291
FF=39.50
FP=38.5

289
FF=38.70
FP=37.7

288
FF=39.00
FP=38.0

292
FF=38.90
FP=37.9

293
FF=38.80
FP=37.8

TRACT D

STREET I

P=1437.80

P=1437.54

0.60%

0.60%

51.58'

N13° 19' 24"E

S89° 56' 34"E 216.73'

S34° 54' 25"W 37.11'

N RECKER ROAD

EX. 30' R/W

EX. 60' R/W

EX. 200' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED AS APPLICABLE

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

N

WOOD/PATEL

MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY GRADING & DRAINAGE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
ARIZONA, U.S.A.
EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-045-GD-ZN.dwg

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

APN:141-38-043

S89° 08' 51"E 2622.75'

EX. 5.00' ELECTRICAL EASEMENT TO REMAIN

404 WASH TO BE UNDISTURBED

EX. 200.00' DRAINAGE EASEMENT TO BE ABANDONED AND REDEDICATED, AS APPLICABLE

PUBLIC ACCESS PARK

TRACT D

SHEET 47

SHEET 45

SHEET 44

SHEET 43

1440.0 1435.0 1430.0 1425.0 1420.0 1440 1435 1430 1425 1420

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

N

WOOD/PATEL

MISSION: CLIENT SERVICE®

(602) 335-8500

WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.

ARIZONA811

Arizona Blue Stake, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION

Registered Professional Engineer (Civil)

CERTIFICATE NO.

53408

DANIEL W. MATTHEWS

Date Signed 11/08/19

ARIZONA, U.S.A.

EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-046-GD-ZN.dwg

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

APN:141-38-043

S89° 08' 51"E 2622.75'

EX. 5.00' ELECTRICAL EASEMENT TO REMAIN

SHEET 48

SHEET 46

SHEET 41

SHEET 42

PUBLIC ACCESS PARK

TRACT D

1440.0
1435
1430
1440
1435.0
1430.0

N

0 30 60

Horz. 1 in. = 30 ft.

KEY MAP

N

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DESCRIPTION	DATE

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Date Signed 11/08/19
ARIZONA U.S.A.

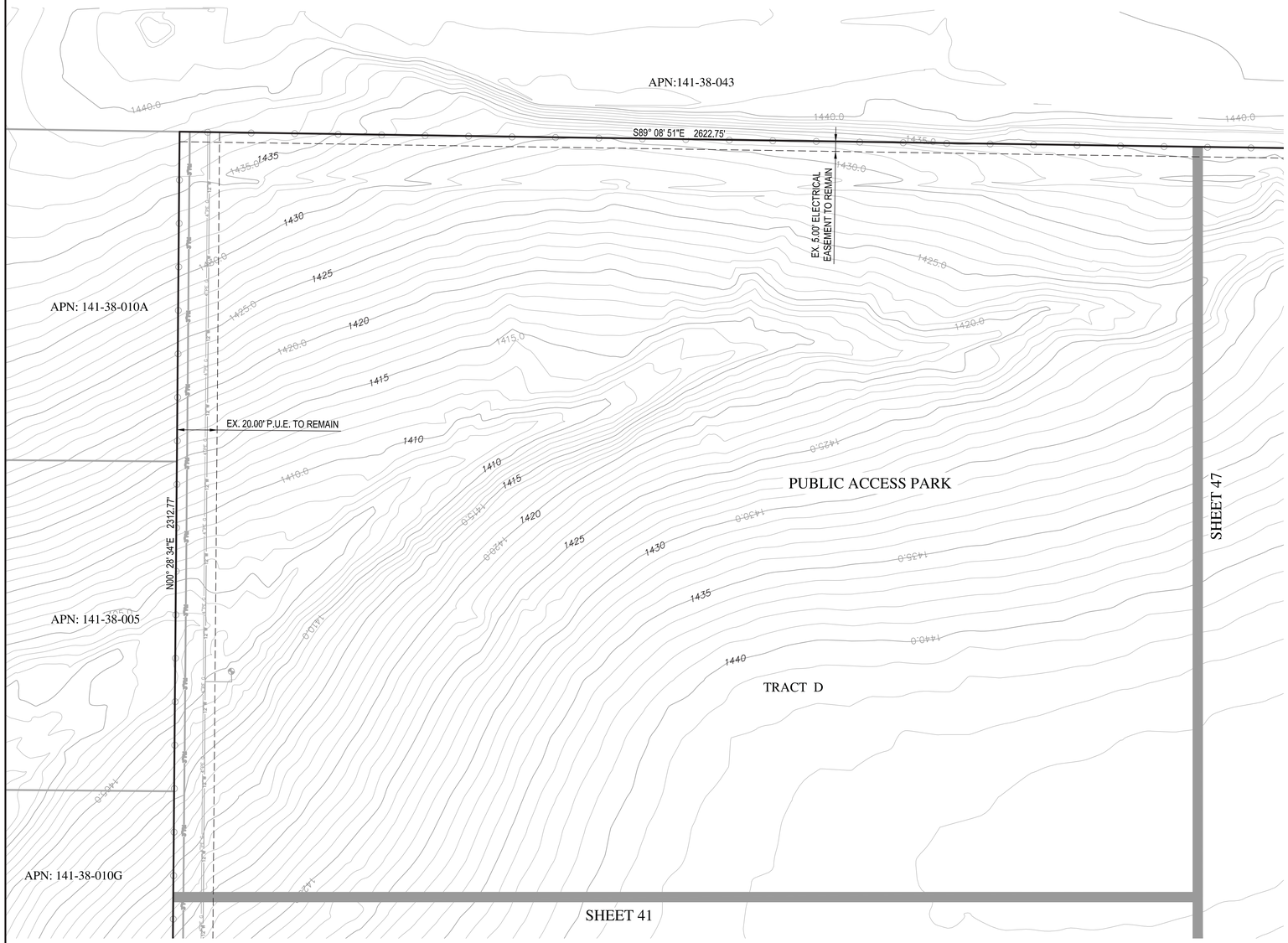
EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-047-GD-ZN.dwg

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



N

0 30 60

Horz. 1 in. = 30 ft.

WOOD/PATEL
MISSION: CLIENT SERVICE®
(602) 335-8500
WWW.WOODPATEL.COM

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

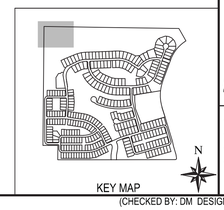
RESERVE AT RED ROCK

PRELIMINARY PLAT

MESA, ARIZONA

PRELIMINARY SITE PLAN

DATE	DESCRIPTION



KEY MAP

N

Registered Professional Engineer (Civil)
CERTIFICATE NO.
53408
DANIEL W. MATTHEWS
Registered Arizona
ARIZONA, U.S.A.

EXPIRES 06-30-21

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

PRS19-00489

Z:\2019\194961\Dwg\Zoning_Plat\Plat\4961-048-GD-ZN.dwg

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