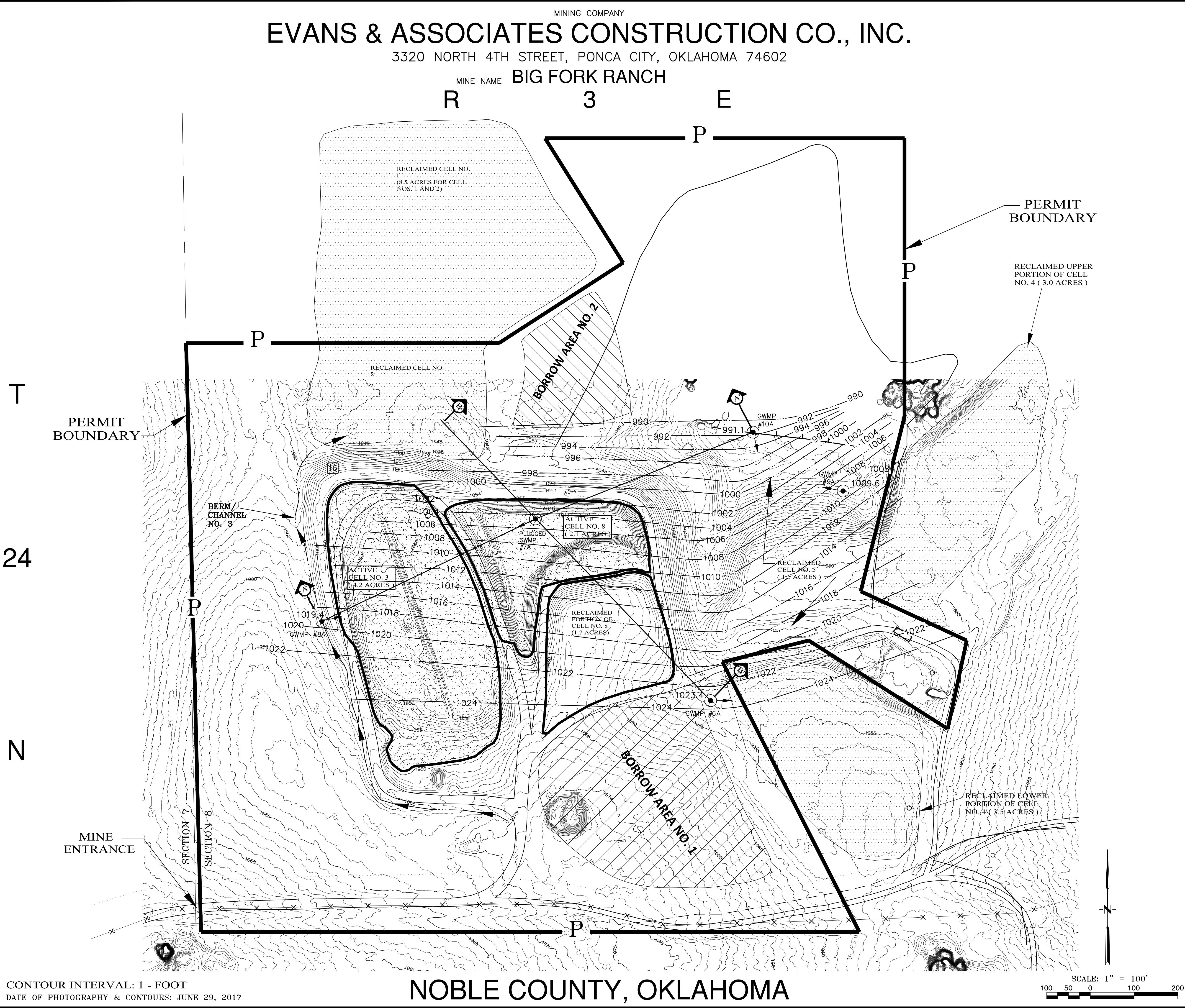




PROPERTY BOUNDARIES

PERMIT BOUNDARIES

SURFACE OWNER AND PERCENTAGE

COAL OWNER AND PERCENTAGE

FEDERAL COAL LEASE

BOUNDARIES OF AREA TO BE DISTURBED

PRIME FARMLAND BOUNDARIES

TRAIL

WATERSHED BOUNDARIES

SECTION LINE

PRE-MINE CONTOUR

ANTICIPATED POST-MINE CONTOUR

COAL STRUCTURAL CONTOUR

OVERBURDEN ISOPACH

COAL THICKNESS ISOPACH

COAL STRIKE AND DIP

COAL SUBCROP LIMIT

POWER LINES

TELEPHONE LINES OR CABLES

FENCES

REFERENCE AREA

BUFFER ZONE

ARCHAEOLOGICAL SITES

SURFACE WATER MONITORING POINT

SURFACE WATER SAMPLING POINT

PREVIOUS GROUND WATER MONITORING POINT (INSTALLED UNDER ODEQ AUTHORITY, PRIOR TO 1999)

PROPOSED GROUND WATER MONITORING POINT (INSTALLED UNDER ODM AUTHORITY)

GROUND WATER SAMPLING POINT

EXPLORATORY DRILL HOLE LOCATION AND NUMBER

PERENNIAL STREAMS

INTERMITTENT STREAMS

EPHEMERAL STREAMS

APPROXIMATE LOCATION OF TEST PIT

P

KAW LAND & CATTLE CO., INC.

FCL

D

PF

W/S

950

700

Z

T

R/A

SWMP

SWSP

GWMP #1

GWMP #1A

GWSP

G-2

4

AREA RECLAIMED UNDER ODEQ AUTHORITY, PRIOR TO 1999 (PIT NOS. 1, 2, AND 4)

CONSTRUCTION NOTES

1. THERE SHALL BE NO BLASTING WITHIN 300 FEET OF ANY OCCUPIED DWELLING, PUBLIC BUILDING, SCHOOL, CHURCH, HOSPITAL, OR NURSING FACILITY, UNLESS THE NECESSARY APPROVALS ARE OBTAINED.

2. BUFFER ZONE = (1.5 X MINING DEPTH) + 25 FEET WILL BE ESTABLISHED ALONG THE BOUNDARY OF THE PROPERTY OWNED BY ADJOINING OWNERS ALONG THE HIGHWALL.

3. CONTACT OKIE DATA AT 1-800-522-6543 TO VERIFY THE LOCATIONS OF THE UTILITY LINES PRIOR TO ANY CONSTRUCTION ACTIVITIES.

4. BERM/CHANNELS WILL BE BUILT, IN SEGMENTS WHEN NEEDED, TO DIVERT THE RUNOFF WATER AWAY FROM THE DISPOSAL PITS.

GROUNDWATER MONITORING WELLS

POINT NO.	NORTHING	EASTING	LATITUDE	LONGITUDE	GROUND ELEVATION
GWMP #6A	2258945.025	574722.081	N36° 34' 29.05"	W97° 00' 39.13"	1055.42'
GWMP #8A	2258160.837	574856.041	N36° 34' 30.45"	W97° 00' 48.73"	1057.97'
GWMP #9A	2259370.613	575206.678	N36° 34' 33.80"	W97° 00' 33.86"	1028.96'
GWMP #10A	2259214.6	575355.787	N36° 34' 35.29"	W97° 00' 35.75"	1017.59'

PROJECT LOCATION

T 24 N

R 3 E

MP-8

PREPARED BY:

EMERA CORPORATION

P. O. BOX 2228, EDMOND, OK 73083

PREPARED FOR:

EVANS & ASSOCIATES CONSTRUCTION CO., INC.

3320 NORTH 4TH STREET, PONCA CITY, OKLAHOMA 74602

TITLE OF MAP:

POTENTIOMETRIC SURFACE MAP

(Monitoring Period: 9/25/15 - 9/10/16)

DRAWN BY:

CET

SCALE:

1" = 100'

DATE:

9-13-2017

DRAWING NO:

MP-8

SHEET

9 OF 11

REVISED:

NAME OF PROJECT:

BIG FORK RANCH

LOCATION:

A PART OF SECTION 8, T24N, R3E, NOBLE CO., OKLAHOMA

PERMIT NO.

APPROVED BY:

CONTOUR INTERVAL: 1 - FOOT
DATE OF PHOTOGRAPHY & CONTOURS: JUNE 29, 2017

NOBLE COUNTY, OKLAHOMA

