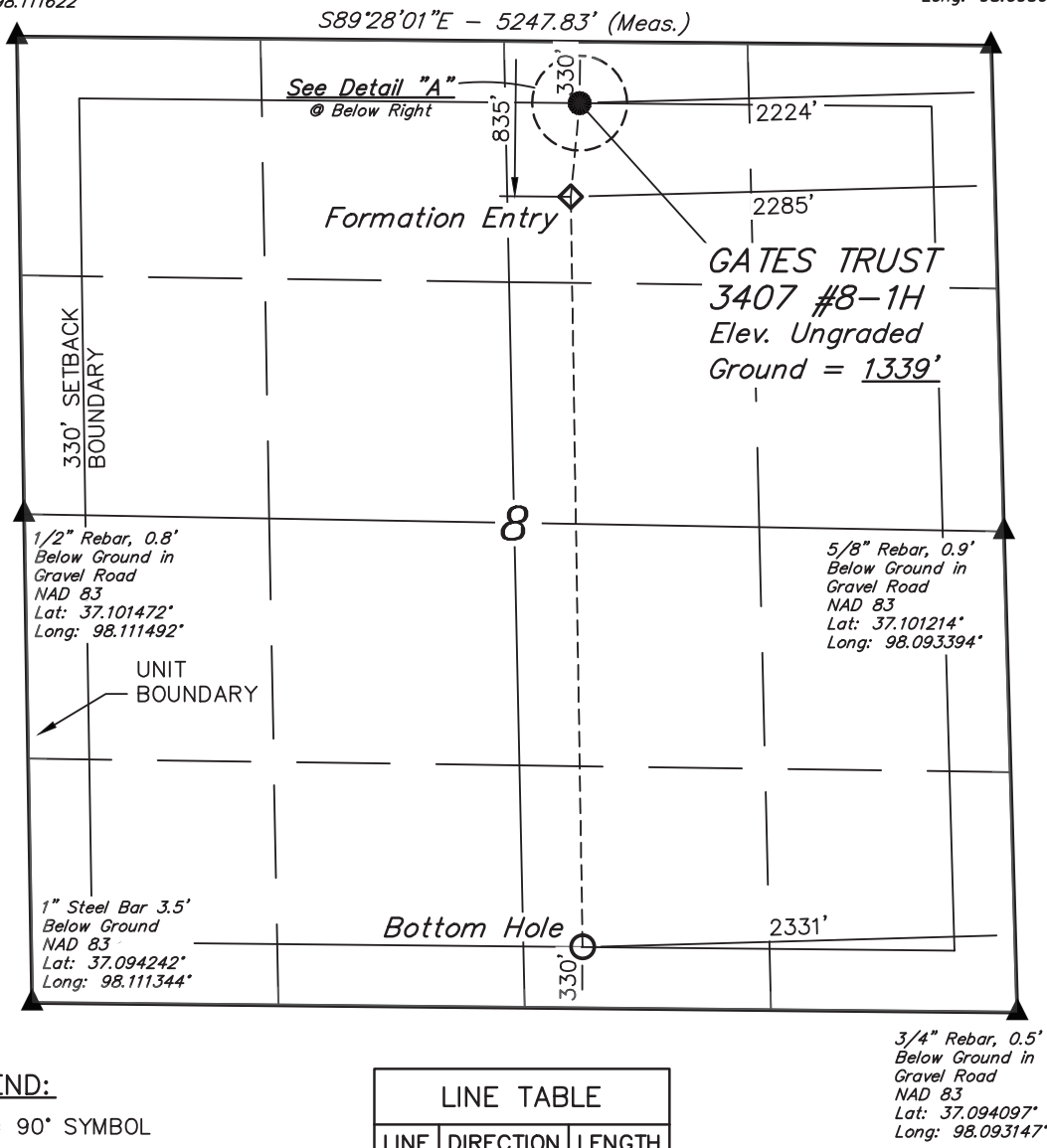
T34S, R7W, 6th P.M.

Pvt. Alum Cap,
LS 1360, 0.5'
Below Ground
in Gravel Road
NAD 83
Lat: 37.108539°
Long: 98.111622°

1/2" Rebar, 0.7'
Below Ground in
Gravel Road
NAD 83
Lat: 37.108406°
Long: 98.093628°



SGOMI

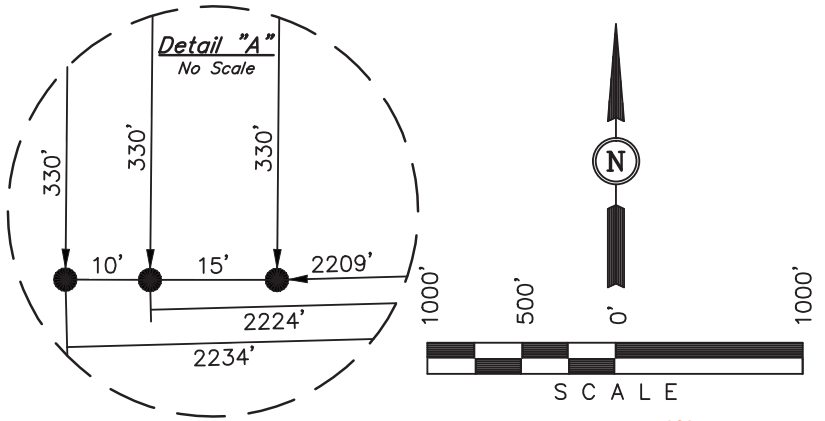
Well location, GATES TRUST 3407 #8–1H, located as shown in the NW 1/4 NE 1/4 of Section 8, T34S, R7W, 6th P.M., Harper County, Kansas.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE NORTHEAST CORNER OF SECTION 22, T33S, R7W, 6th P.M. TAKEN FROM THE ANTHONY, QUADRANGLE, KANSAS, HARPER COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 1348 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NICHOLAS JOHANNES
LS-1360
REGISTERED LAND SURVEYOR
REGISTRATION NO. 1360
STATE OF KANSAS
03-05-12

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S05°22'49"W	506.89'

NAD 83 (#8–1H TARGET BOTTOM HOLE)	NAD 83 (#8–1H FORMATION ENTRY)	NAD 83 (#8–1H SURFACE LOCATION)
LATITUDE = 37°05'42.24" (37.095067)	LATITUDE = 37°06'22.21" (37.106169)	LATITUDE = 37°06'27.20" (37.107556)
LONGITUDE = 98°06'04.24" (98.101178)	LONGITUDE = 98°06'05.02" (98.101394)	LONGITUDE = 98°06'04.43" (98.101231)
NAD 27 (#8–1H TARGET BOTTOM HOLE)	NAD 27 (#8–1H FORMATION ENTRY)	NAD 27 (#8–1H SURFACE LOCATION)
LATITUDE = 37°05'42.16" (37.095044)	LATITUDE = 37°06'22.13" (37.106147)	LATITUDE = 37°06'27.12" (37.107533)
LONGITUDE = 98°06'03.01" (98.100836)	LONGITUDE = 98°06'03.79" (98.101053)	LONGITUDE = 98°06'03.20" (98.100889)

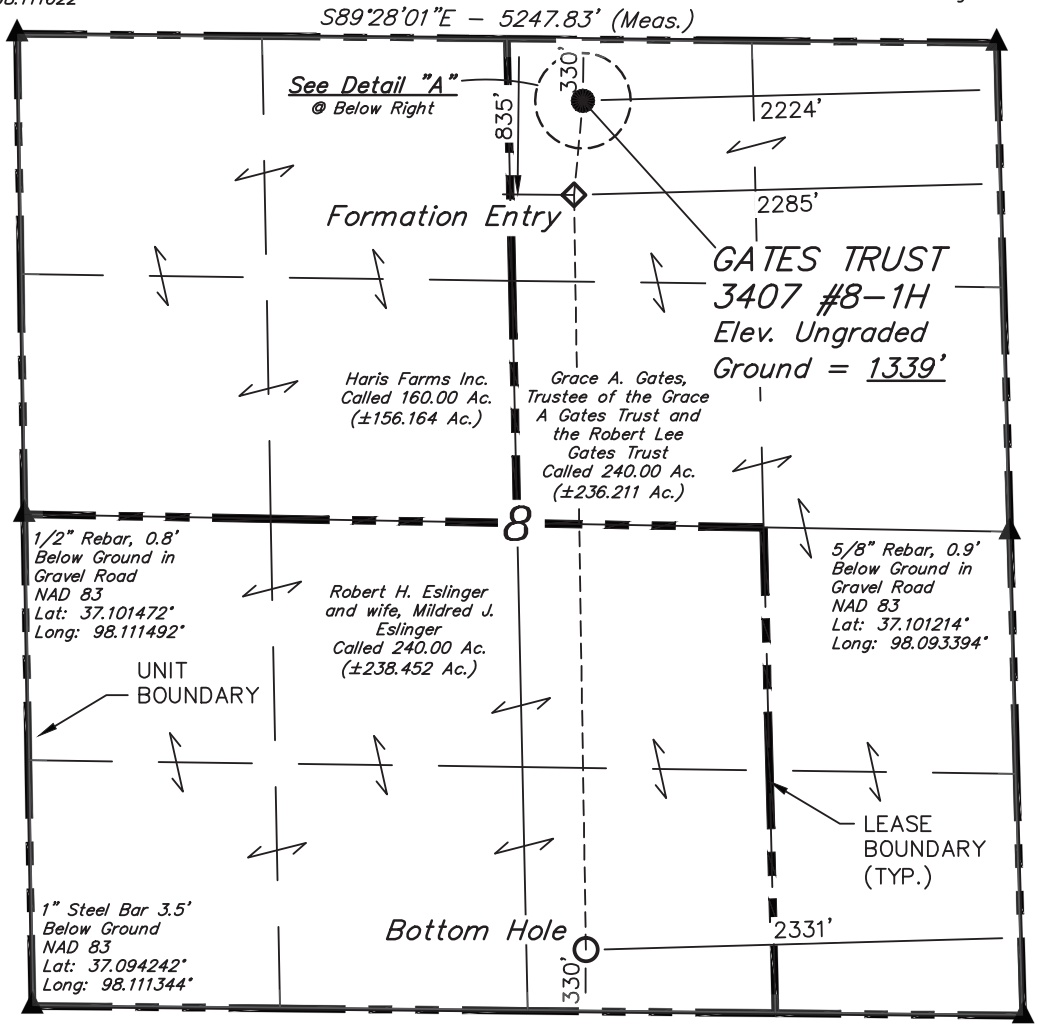
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-17-12	DATE DRAWN: 02-27-12
PARTY D.S. K.H. C.C.	REFERENCES G.L.O. PLAT	
WEATHER COLD		

T34S, R7W, 6th P.M.

Pvt. Alum Cap,
LS 1360, 0.5'
Below Ground
in Gravel Road
NAD 83
Lat: 37.108539°
Long: 98.111622°

1/2" Rebar, 0.7'
Below Ground in
Gravel Road
NAD 83
Lat: 37.108406°
Long: 98.093628°



SGOMI

UNIT BOUNDARY PLAT

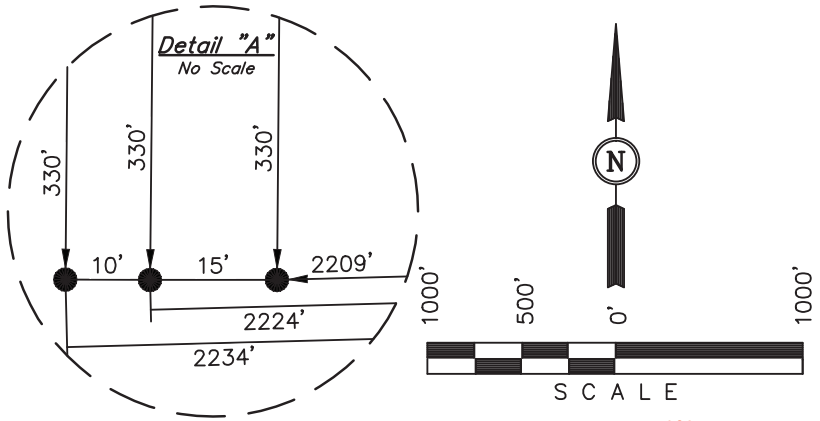
(For GATES TRUST 3407 #8–1H)

Located In
Section 8, T34S, R7W, 6th P.M.
Harper County, Kansas

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

GATES TRUST 3407 #8–1H UNIT
Called 640.00 Acres



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

LS-1360

REGISTERED LAND SURVEYOR
REGISTRATION NO. 1360
STATE OF KANSAS

03–05–12

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S05°22'49"W	506.89'

NAD 83 (#8–1H TARGET BOTTOM HOLE)	NAD 83 (#8–1H FORMATION ENTRY)	NAD 83 (#8–1H SURFACE LOCATION)
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UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	02–17–12	02–27–12
PARTY: D.S. K.H. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD		

SGOMI

PRODUCTION FACILITY LAYOUT FOR

GATES TRUST 3407 #8-1, #8-1H & #8-2H

SECTION 8, T34S, R7W, 6th P.M.

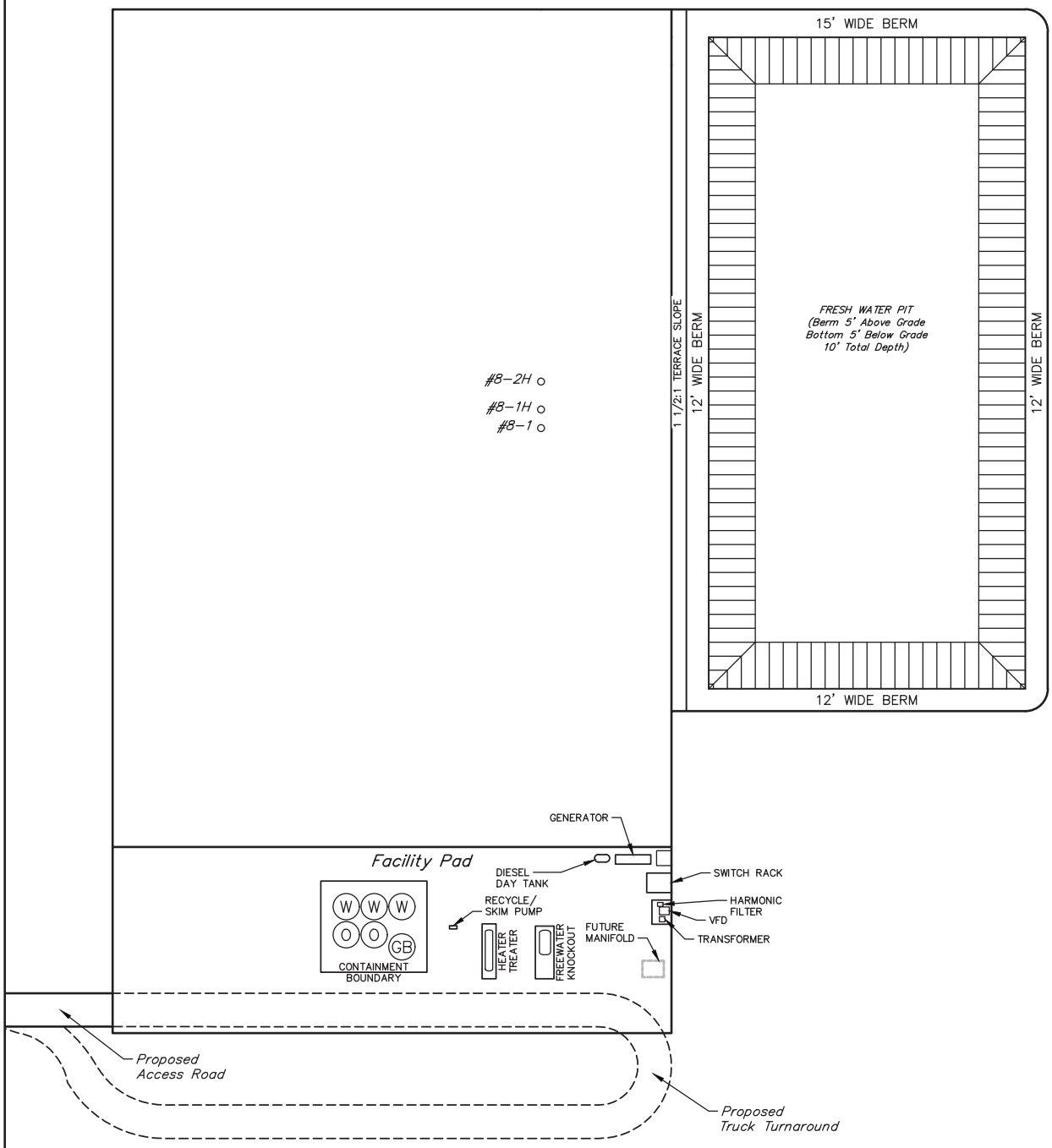
NW 1/4 NE 1/4

FIGURE #3

SCALE: 1" = 60'

DATE: 02-27-12

DRAWN BY: C.C.



UINTAH ENGINEERING & LAND SURVEYING

*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*