United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Great Plains Regional Office
115 Fourth Avenue S.E., Suite 400
Aberdeen, South Dakota 57401

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
DESCRM
MC-208

MAR 02 2012

MEMORANDUM

TO: Superintendent, Fort Berthold Agency

FROM: ACTING Regional Director, Great Plains Region

SUBJECT: Environmental Assessment Addendum and Finding of No Significant Impact

In compliance with the regulations of the National Environmental Policy Act (NEPA) of 1969, as amended, an Addendum has been completed and a Finding of No Significant Impact (FONSI) has been issued. The Addendum authorizes land use for an additional well on five previously approved well pads and an access road modification located on the Fort Berthold Indian Reservation.

All the necessary requirements of the National Environmental Policy Act have been completed. Attached for your files is a copy of the EA Addendum, FONSI and Notice of Availability. The Council on Environmental Quality (CEQ) regulations require that there be a public notice of availability of the (40 C.F.R. Section 1506.6(b)) Please post the attached notice of availability at the Agency and Tribal buildings for 30 days.

If you have any questions, please call Marilyn Bercier, Regional Environmental Scientist, Division of Environment, Safety and Cultural Resources Management, at (605) 226-7656.

Tim LaPointe

Attachment

cc: Tex Hall, Chairman, Three Affiliated Tribes (with attachment)
Elgin Crows Breast, Tribal Historic Preservation Officer (with attachment)
Derek Enderud, BLM, Dickinson, ND(with attachment)
Wade Epperson, SWCA (with attachment)
Eric Wortman, EPA (with attachment)
Jonathon Shelman, Corps of Engineers
Jeff Hunt, Fort Berthold Agency

Finding of No Significant Impact

Enerplus Resources

Addendum to Environmental Assessment to Authorize an Additional Well on Five Previously Approved Well Pads and an Access Road Modification

Fort Berthold Indian Reservation
Dunn and McKenzie Counties, North Dakota

The U.S. Bureau of Indian Affairs (BIA) has received a proposal to drill an additional exploratory oil well on five previously approved well pad locations on the Fort Berthold Reservation at the following locations:

- The Sage #149-93-26BH TF and Hidatsa Hills #26-21H well pad is located in the NE¼ NW¼ of Section 26, Township (T) 149 North (N), Range (R) 93 West (W), Dunn County, North Dakota
- The Gardens #149-94-13BH TF and Hudson #13-21H well pad is located in the NE¼ NW¼ Section 13, T149N, R94W, McKenzie County, North Dakota.
- The Mastiff #149-94-23BH TF and Hall #23-21H well pad is located in the NE¼ NW¼ Section 23, T149N, R94W, McKenzie County, North Dakota
- The Koala #152-94-16BH TF and Fool Bear #16-12H well pad is located in the NW¼ NW¼ Section 16, T152N, R94W, McKenzie County, North Dakota
- The Flyer #152-94-23DH TF and Fool Bear #23-34H well pad is located in the SE¼ SE¼ Section 23, T152N, R94W, McKenzie County, North Dakota

The previously approved Hall #23-21H well pad access road will also be modified to connect to the previously approved WPX Energy Williston, LLC (WPX) Mandaree Warrior #14-11H access road right-of-way (ROW). Associated federal actions by BIA include determinations of impacts and effects regarding environmental resources for developments on tribal lands.

The potential of the proposed actions to impact the human environment is analyzed in the attached addendum to an existing EA, as required by the National Environmental Policy Act. Based on the recently completed addendum to the EA, I have determined that the proposed project will not significantly affect the quality of the human environment. No Environmental Impact Statement is required for any portion of the proposed activities.

This determination is based on the following factors:

1. Agency and public involvement solicited for the preceding NEPA document was sufficient to ascertain potential environmental concerns associated with the currently proposed project.

2. Protective and prudent measures were designed to minimize impacts to air, water, soil, vegetation, wetlands, wildlife, public safety, water resources, and cultural resources. The remaining potential for impacts was disclosed for both the proposed actions and the No Action alternative.

3. Guidance from the U.S. Fish and Wildlife Service has been fully considered regarding wildlife impacts, particularly in regard to threatened or endangered species. This guidance includes the Migratory Bird Treaty Act (16 U.S.C. 703 et seq.), the National Environmental Policy Act of 1969, as amended (42 U.S.C. 4321 et seq.), the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d, 54 Stat. 250), Executive Order 13186 "Responsibilities of Federal Agencies to Protect Migratory Birds", and the Endangered Species Act (16 U.S.C. 1531 et seq.).

4. The proposed actions are designed to avoid adverse effects to historic, archaeological, cultural and traditional properties, sites and practices. Compliance with the procedures of the National Historic Preservation Act is complete.

5. Environmental justice was fully considered.

6. Cumulative effects to the environment are either mitigated or minimal.
7. No regulatory requirements have been waived or require compensatory mitigation measures.
8. The proposed projects will improve the socio-economic condition of the affected Indian community.

Tim LaPointe

ACTING Regional Director

3-2-2012

Date

ENVIRONMENTAL ASSESSMENT
Addendum

United States Bureau of Indian Affairs

Great Plains Regional Office
Aberdeen, South Dakota

Enerplus Resources (USA) Corporation

Addendum to Environmental Assessment to Authorize an Additional Well on Five Previously Approved Well Pads and an Access Road Modification

Fort Berthold Indian Reservation

February 2012

For information contact:
Bureau of Indian Affairs, Great Plains Regional Office
Division of Environment, Safety and Cultural Resources Management
115 4th Avenue SE, Aberdeen, South Dakota 57401
(605) 226-7656

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B Plats, Drawings, and Diagrams for the Gardens #149-94-13BH TF and Hudson #13-21H Well Pad Location

C Plats, Drawings, and Diagrams for the Mastiff #149-94-23BH TF and Hall #23-21H Well Pad Location

D Plats, Drawings, and Diagrams for the Koala #152-94-16BH TF and Fool Bear #16-12H Well Pad Location

E Plats, Drawings, and Diagrams for the Flyer #152-94-23DH TF and Fool Bear #23-34H Well Pad Location

1. Purpose and Need for the Proposed Action

Enerplus Resources (USA) Corporation (Enerplus) is proposing to drill an additional exploratory oil well on five previously approved well pad locations on the Fort Berthold Indian Reservation to evaluate and possibly develop the commercial potential of natural resources. In addition, the previously approved Hall #23-21H well pad access road will be modified to connect to the previously approved WPX Energy Williston, LLC (WPX) Mandaree Warrior #14-11H access road right-of-way (ROW). Developments have been proposed on land held in trust by the United States in Dunn and McKenzie counties, North Dakota. The Bureau of Indian Affairs (BIA) is the surface management agency for potentially affected tribal lands and individual allotments. The BIA also holds title to subsurface mineral rights. The economic development of available resources and associated BIA actions are consistent with BIA's general mission. Leasing and development of mineral resources offers substantial economic benefits to the Three Affiliated Tribes of the Mandan, Hidatsa, and Arikara Nation and to individual tribal members.

The purpose of the proposed action is to authorize Enerplus to drill an additional well (Three Forks Formation) on the following five previously approved locations and to modify a previously approved access road:

- Sage #149-93-26BH TF and Hidatsa Hills #26-21H (Appendix A)
- Gardens #149-94-13BH TF and Hudson #13-21H (Appendix B)
- Mastiff #149-94-23BH TF and Hall #23-21H (Appendix C)
- Koala #152-94-16BH TF and Fool Bear #16-12H (Appendix D)
- Flyer #152-94-23DH TF and Fool Bear #23-34H (Appendix E)

2. Authorities

Oil and gas exploration and development activities are conducted under authority of the Indian Mineral Leasing Act of 1938 (25 United States Code [USC] 396a, et seq.), the Indian Mineral Development Act of 1982 (25 USC 2101, et seq.), and the Energy Policy Act of 2005 (42 USC 15801, et seq.).

3. Legal Land Description for Proposed Action

The previously approved well pads are located in Dunn and McKenzie counties, North Dakota.

- The Sage #149-93-26BH TF and Hidatsa Hills #26-21H well pad is located in the NE¼ NW¼ of Section 26, Township (T) 149 North (N), Range (R) 93 West (W), Dunn County, North Dakota. The Sage #149-93-26BH TF will be drilled in a 640-acre spacing unit. The bottom hole will be located 550 feet from west line (FWL) and 250 feet from south line (FSL) in the SW¼ SW¼ Section 26, T149N, R93W, approximately 4,412 feet south-southwest of the surface location.

- The Gardens #149-94-13BH TF and Hudson #13-21H well pad is located in the NE¼ NW¼ Section 13, T149N, R94W, McKenzie County, North Dakota. The Gardens #149-94-13BH TF will be drilled in a 320-acre spacing unit. The bottom hole will be located 2,000 feet FWL and 250 feet FSL in the SE¼ SW¼ Section 13, T149N, R94W, approximately 4,685 feet south-southeast of the surface location.

- The Mastiff #149-94-23BH TF and Hall #23-21H well pad is located in the NE¼ NW¼ Section 23, T149N, R94W, McKenzie County, North Dakota. The Mastiff #149-94-23BH TF will be drilled in a 640-acre spacing unit. The bottom hole will be located 550 feet FWL and 250 feet FSL in the SW¼ SW¼ Section 23, T149N, R94W, approximately 4,800 feet south-southwest of the surface location. The approved access road will be modified. The approved ROW begins on the northwest corner of the well pad and will connect to the approved WPX Mandaree Warrior #14-11H access road in the SW¼ SW¼ Section 14, T149N, R94W. This access road will now only utilize the first 537.27 feet of the previously approved Hall #23-21H ROW.

- The Koala #152-94-16BH TF and Fool Bear #16-12H well pad is located in the NW¼ NW¼ Section 16, T152N, R94W, McKenzie County, North Dakota. The Koala #152-94-16BH TF will be drilled in a 320-acre spacing unit. The bottom hole will be located 250 feet from east line (FEL) and 550 feet from north line (FNL) in the NE¼ NE¼ Section 16, T152N, R94W, approximately 4,772 feet east-northeast of the surface location.

- The Flyer #152-94-23DH TF and Fool Bear #23-34H well pad is located in the SE¼ SE¼ Section 23, T152N, R94W, McKenzie County, North Dakota. The Flyer #152-94-23DH TF will be drilled in a 640-acre spacing unit. The bottom hole will be located 550 feet FEL and 250 feet FNL in the NE¼ NE¼ Section 23, T152N, R94W, approximately 4,798 feet north-northeast of the surface location.

4. Scope of Work for Proposed Action

Enerplus proposes to drill an additional well that will enter the Three Forks Formation on five previously approved well pads. In addition, the previously approved Hall #23-21H well pad access road will be modified to connect to the previously approved WPX Mandaree Warrior #14-11H access road ROW. There will be no additional surface disturbance to the well pad or access road.

5. Cultural Resources

A cultural resource inventory was conducted on the proposed locations by personnel of Beaver Creek Archeology. This inventory was conducted on June 7, 2010, and consisted of 20 acres around each well pad and a 100-foot corridor along the access roads (Jakel and Burns 2010a[1], 2010b[2], 2010c[3], 2010d[4], 2010e[5]). No historic properties were located within the project area that appear to possess the quality of integrity and meet at least one of the criteria (Title 36 Code of Federal Regulations [CFR] 60.6) for inclusion on the National Register. As the lead federal agency, and as provided for in 36 CFR 800.5, on the basis of the information provided, BIA reached a determination of no historic properties affected by the project and consulted with the Tribal Historic Preservation Office.

6. Applicable National Environmental Policy Act (NEPA) Document(s)

Finding of No Significant Impact: *Peak North Dakota, LLC: Drilling of Fool Bear #16-12H, Fool Bear #23-34H, Fox #21-21H, Hidatsa Hills #26-21H, Hudson #13-21H, Johnson #7-24H Exploratory Oil and Gas Wells* (March 2011).

Environmental Assessment: Five Bakken Exploratory Oil Wells: Dakota-3 Joseph Eagle#2-19H, Dakota-3 Sarah Smith #22-23H, Dakota-3 Fox #14-8H, Dakota-3 Gerald Hale #33-28H, and Dakota-3 Mandaree Warrior #14-11H (January 2011).

Addendum to the Environmental Assessment to Authorize Land Use for an Access Road Connecting the Mandaree Warrior #14-11H Well Pad to the Existing EOG Mandaree #4-15H Access Road (November 2011).

7. NEPA Adequacy Criteria

This document has identified the above-mentioned previously prepared NEPA documents, which adequately describe the environmental consequences of the newly proposed action described herein, and meet the following NEPA Adequacy Criteria.

1. The proposed action is substantially the same action and at the site specifically analyzed in the existing NEPA documents.
2. The range of alternatives is reasonable with respect to the current proposed action in the existing NEPA documents, which appropriately consider and analyze current environmental concerns, interests, and resource values.

---

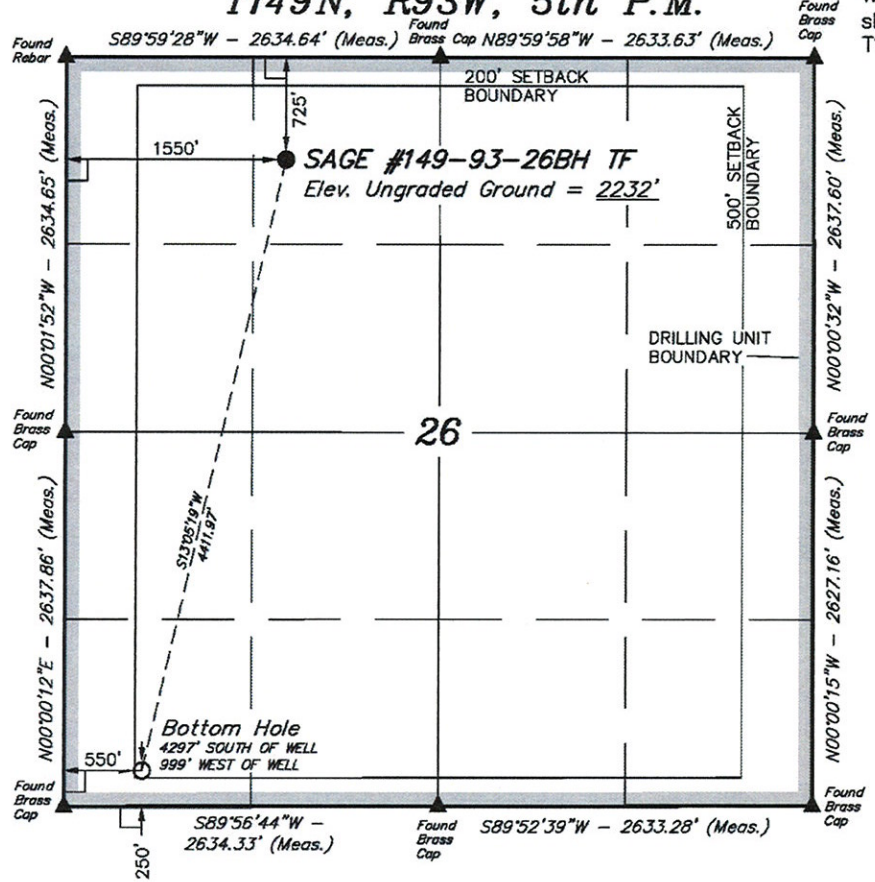
[1] Jakel, G., and W. Burns. 2010a. *Fool Bear 16-12H Well Pad: A Class II Cultural Resource Inventory in McKenzie County, North Dakota.* Beaver Creek Archaeology, Inc. Mandan, North Dakota.
[2] Jakel, G., and W. Burns. 2010b. *Fool Bear 23-34H Well Pad and Access Road: A Class III Cultural Resource Inventory in McKenzie County, North Dakota.* Beaver Creek Archaeology, Inc. Mandan, North Dakota.
[3] Jakel, G., and W. Burns. 2010c. *Hall 23-21H Well Pad and Access Road: A Class III Cultural Resource Inventory in McKenzie County, North Dakota.* Beaver Creek Archaeology, Inc. Mandan, North Dakota.
[4] Jakel, G., and W. Burns. 2010d. *Hidatsa Hills 26-21H Well Pad: A Class III Cultural Resource Inventory in Dunn County, North Dakota.* Beaver Creek Archaeology, Inc. Mandan, North Dakota.
[5] Jakel, G., and W. Burns. 2010e. *Hudson 13-21H Well Pad: A Class III Cultural Resource Inventory in McKenzie County, North Dakota.* Beaver Creek Archaeology, Inc. Mandan, North Dakota.

3. The existing analysis and conclusions are adequate in the existing NEPA documents. The analysis is still valid in light of new studies or resource assessment information.
4. The methodology and analytical approach used in the existing NEPA documents continues to be appropriate for the proposed action.
5. The direct and indirect impacts of the proposed action are unchanged from those identified in the existing NEPA documents.
6. The cumulative impacts that would result from implementation of the proposed action are unchanged from those analyzed in the existing NEPA documents.
7. A 30-day comment period involving public input and interagency review was used in the development of the existing NEPA documents.

APPENDIX A

Plats, Drawings, and Diagrams for the Sage #149-93-26BH TF and Hidatsa Hills #26-21H Well Pad

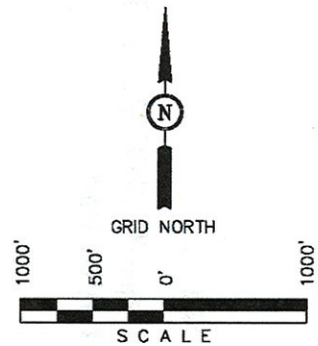
WELL LOCATION PLAT
T149N, R93W, 5th P.M.



ENERPLUS RESOURCES (USA) CORPORATION

Well location, SAGE #149-93-26BH TF, located as shown in the NE 1/4 NW 1/4 of Section 26, T149N, R93W, 5th P.M., Dunn County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 07-12-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

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

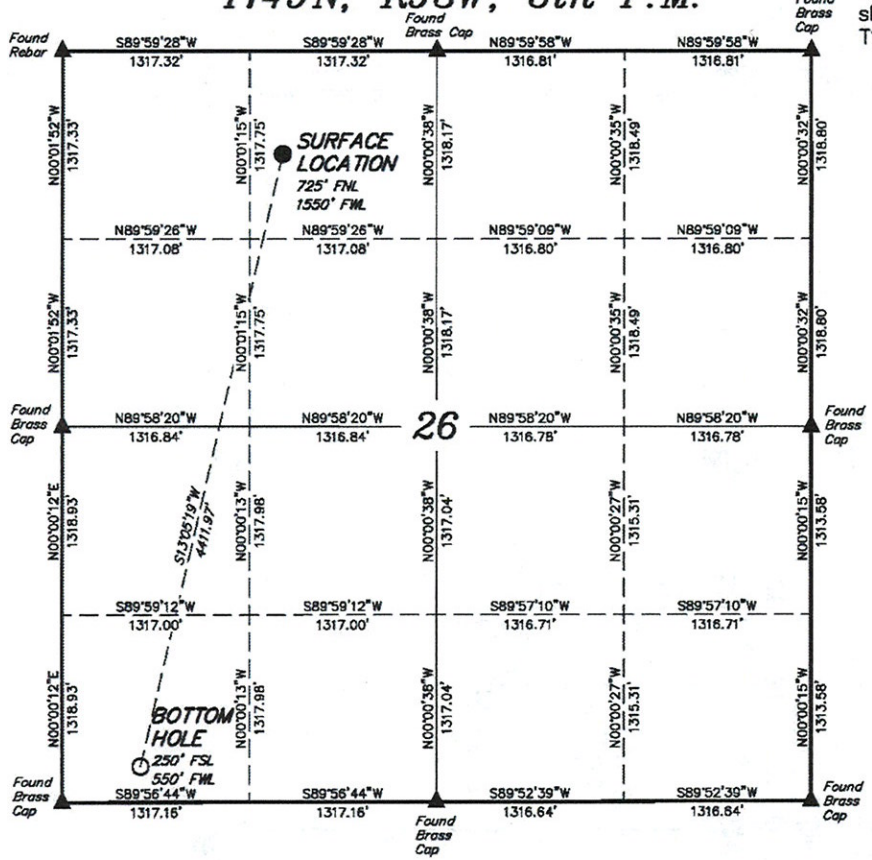
[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°41'21.13" (47.689203) LONGITUDE = 102°33'17.57" (102.554881)	LATITUDE = 47°42'03.53" (47.700981) LONGITUDE = 102°33'02.96" (102.550822)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°41'21.09" (47.689192) LONGITUDE = 102°33'15.90" (102.554417)	LATITUDE = 47°42'03.49" (47.700969) LONGITUDE = 102°33'01.29" (102.550358)

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

SCALE: 1" = 1000'	DATE SURVEYED: 06-24-11	DATE DRAWN: 07-06-11
PARTY: G.C. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: ENERPLUS RESOURCES (USA) CORPORATION	

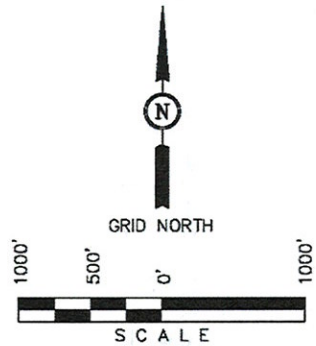
SECTION BREAKDOWN
T149N, R93W, 5th P.M.



ENERPLUS RESOURCES (USA) CORPORATION

Well location, SAGE #149-93-26BH TF, located as shown in the NE 1/4 NW 1/4 of Section 26, T149N, R93W, 5th P.M., Dunn County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

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REGISTRATION NO. 4654
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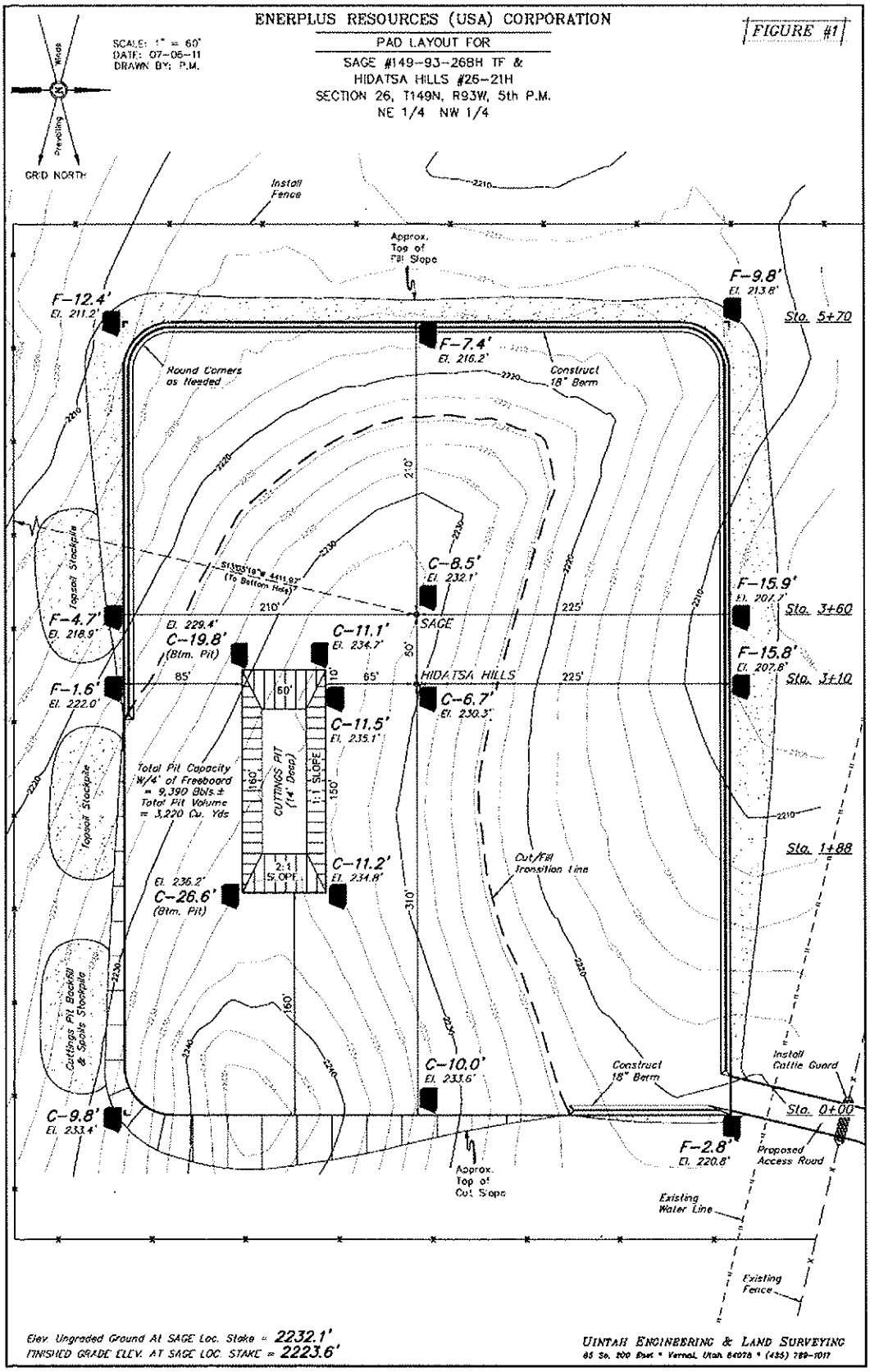
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-24-11	DATE DRAWN: 07-06-11
PARTY G.C. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE ENERPLUS RESOURCES (USA) CORPORATION	


ENERPLUS RESOURCES (USA) CORPORATION
PAD LAYOUT FOR
SAGE #149-93-26BH TF &
HIDATSA HILLS #26-21H
SECTION 26, T149N, R93W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #1
SCALE: 1" = 60'
DATE: 07-05-11
DRAWN BY: P.M.
GRID NORTH
Install Fence
Approx. Toe of Fill Slope
F-12.4' El. 211.2'
F-9.8' El. 213.8'
Sta. 5+70
F-7.4' El. 216.2'
Round Corners as Needed
Construct 18" Berm
C-8.5' El. 232.1'
F-15.9' El. 207.7'
Sta. 3+60
F-4.7' El. 218.9'
SAGE
C-11.1' El. 234.7'
C-19.8' (Btm. Pit)
F-15.8' El. 207.8'
Sta. 3+10
F-1.6' El. 222.0'
HIDATSA HILLS
C-6.7' El. 230.3'
C-11.5' El. 235.1'
CUTTINGS PIT (14' Deep)
Total Pit Capacity W/4' of Freeboard = 9,390 Bbls.± Total Pit Volume = 3,220 Cu. Yds
Topsoil Stockpile
Sta. 1+88
C-11.2' El. 234.8'
C-26.6' (Btm. Pit)
Cut/Fill Transition Line
Cuttings Pit Backfill & Spoils Stockpile
C-10.0' El. 233.6'
Construct 18" Berm
Install Cattle Guard
Sta. 0+00
C-9.8' El. 233.4'
F-2.8' El. 220.8'
Proposed Access Road
Approx. Top of Cut Slope
Existing Water Line
Existing Fence
Elev. Ungraded Ground At SAGE Loc. Stake = 2232.1'
FINISHED GRADE ELEV. AT SAGE LOC. STAKE = 2223.6'
UINTAH ENGINEERING & LAND SURVEYING

X-Section Scale
1" = 100'

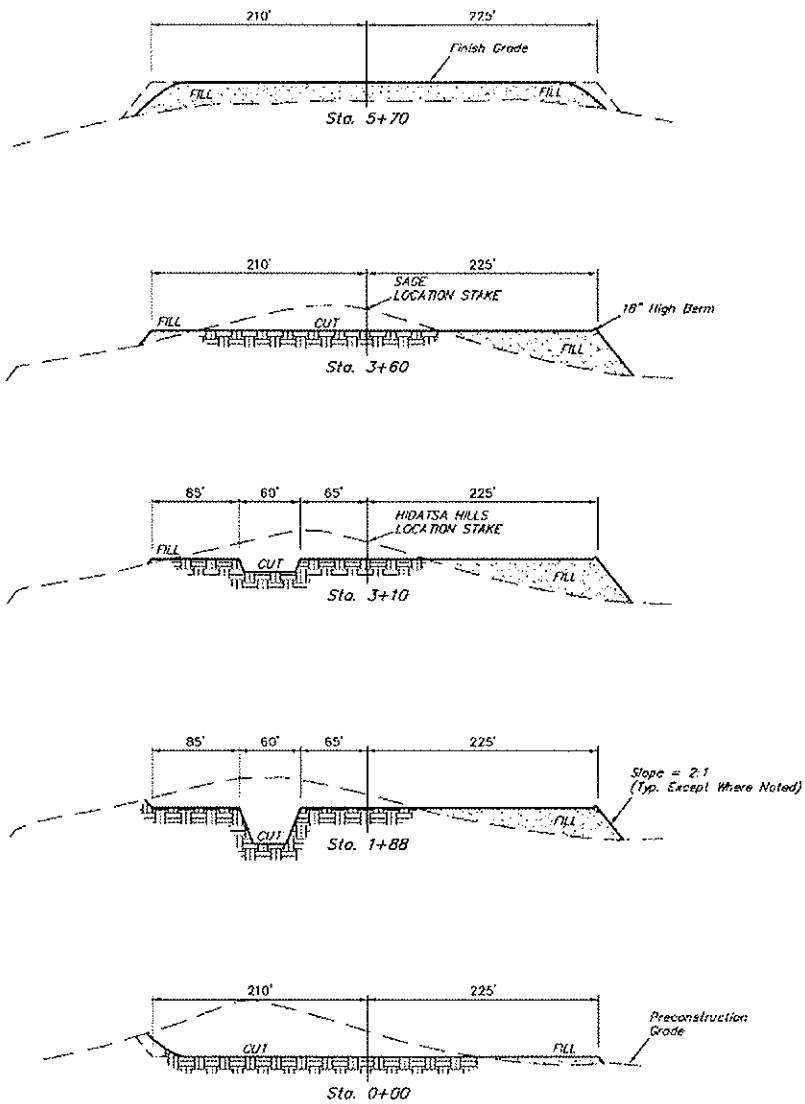
DATE: 07-08-11
DRAWN BY: P.M.
REVISED: 09-02-11

ENERPLUS RESOURCES (USA) CORPORATION

TYPICAL CROSS SECTIONS FOR

SAGE #149-93-26BH TF &
HIDATSA HILLS #26-21H
SECTION 26, T149N, R93W, 5th P.M.
NE 1/4 NW 1/4

FIGURE #2



APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	5,410 Cu. Yds.
Remaining Location	=	36,070 Cu. Yds.
Cuttings Pit Cut	=	3,220 Cu. Yds.
TOTAL CUT	=	44,700 CU.YDS.
FILL	=	37,680 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL	=	7,020 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	7,020 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

APPROXIMATE ACREAGES

WELL SITE AREA OF LOSS = ±11.088 ACRES
ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES RIGHT-OF-WAY AREA OF LOSS = ±0.067 ACRES
TOTAL = ±11.155 ACRES

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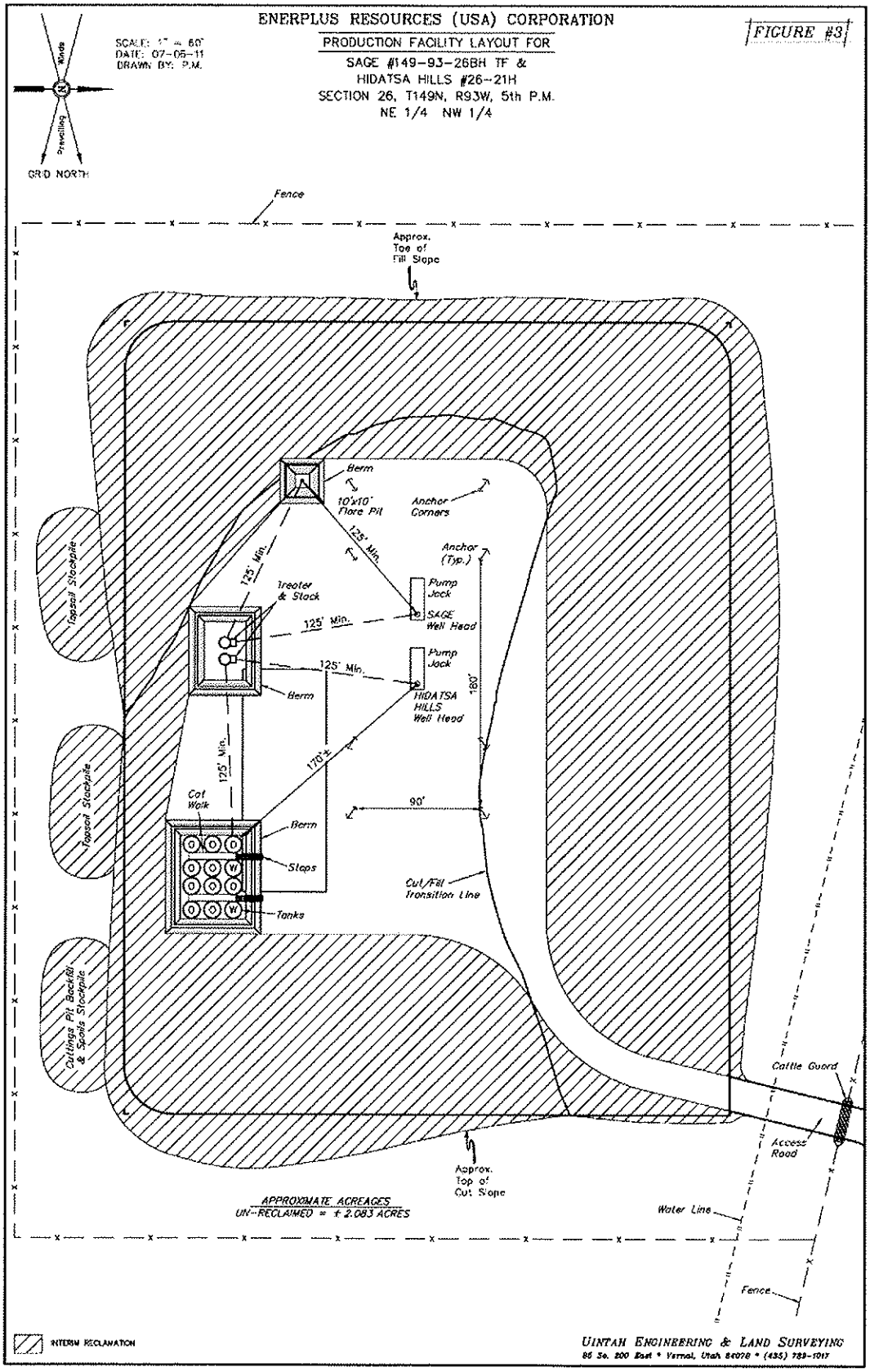
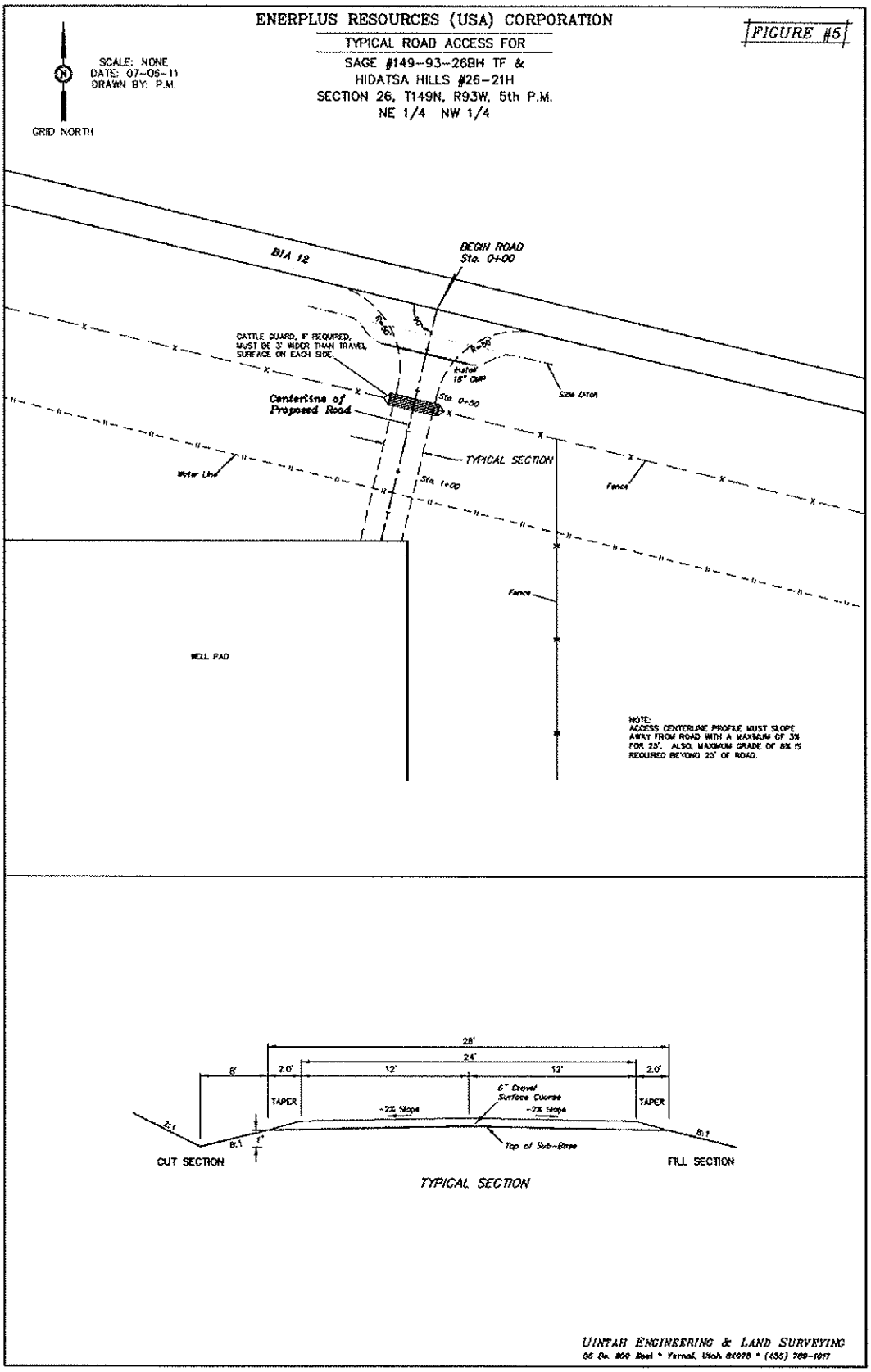

ENERPLUS RESOURCES (USA) CORPORATION
PRODUCTION FACILITY LAYOUT FOR
SAGE #149-93-26BH TF &
HIDATSA HILLS #26-21H
SECTION 26, T149N, R93W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #3
SCALE: 1" = 60'
DATE: 07-05-11
DRAWN BY: P.M.
GRID NORTH
Fence
Approx. Toe of Fill Slope
Berm
10'x10' Flare Pit
Anchor Corners
Anchor (Typ.)
125' Min.
Treater & Stack
Pump Jack
SAGE Well Head
HIDATSA HILLS Well Head
180'
170'±
90'
Cat Walk
Steps
Tanks
Cut/Fill Transition Line
Topsoil Stockpile
Cuttings Pit Backfill & Spoils Stockpile
Cattle Guard
Access Road
Approx. Top of Cut Slope
Water Line
APPROXIMATE ACREAGES
UN-RECLAIMED = ± 2.083 ACRES
INTERIM RECLAMATION
UINTAH ENGINEERING & LAND SURVEYING

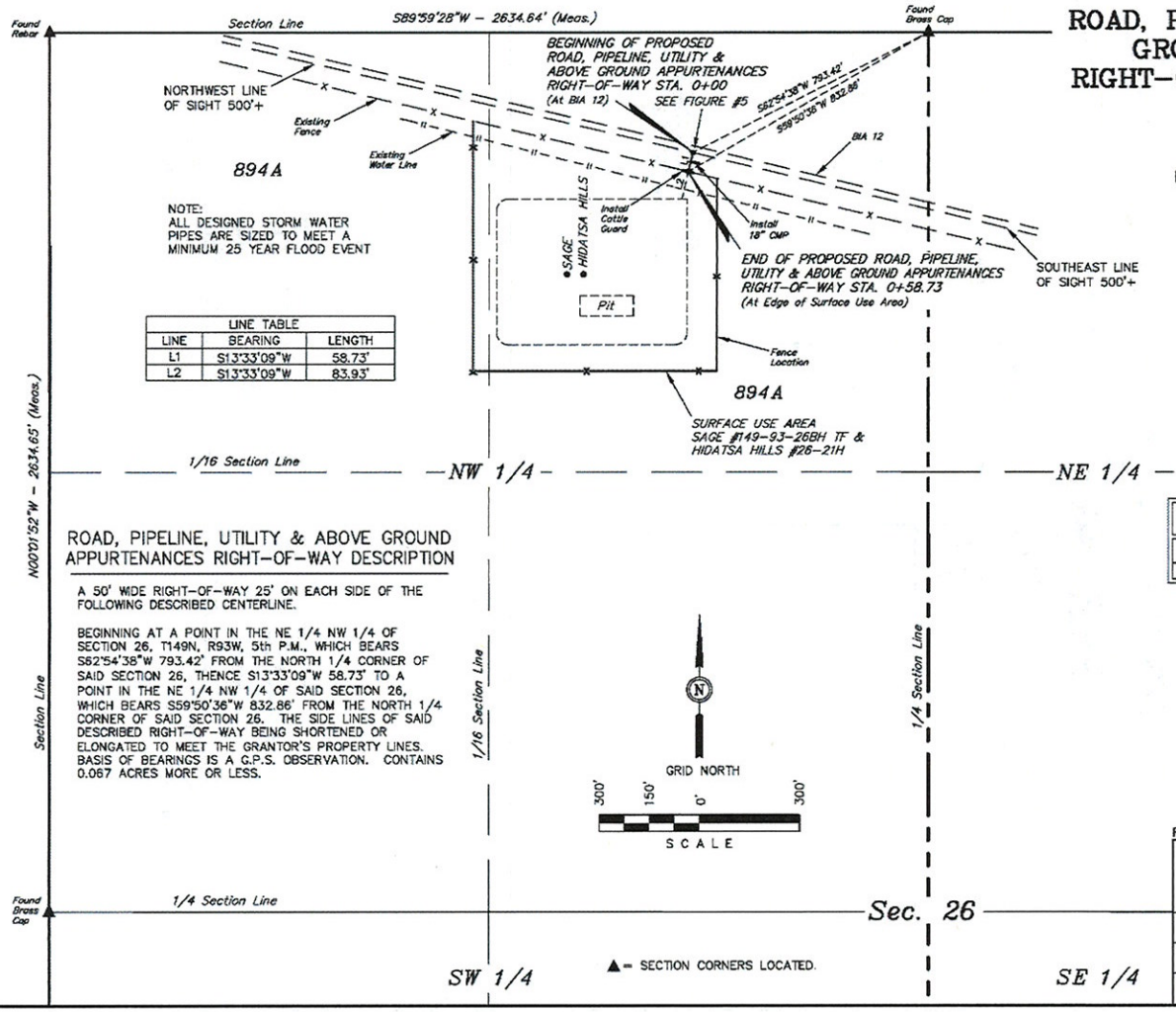

ENERPLUS RESOURCES (USA) CORPORATION
FIGURE #5
TYPICAL ROAD ACCESS FOR
SAGE #149-93-26BH TF &
HIDATSA HILLS #26-21H
SECTION 26, T149N, R93W, 5th P.M.
NE 1/4 NW 1/4
SCALE: NONE
DATE: 07-06-11
DRAWN BY: P.M.
GRID NORTH
BIA 12
BEGIN ROAD
Sta. 0+00
CATTLE GUARD, IF REQUIRED, MUST BE 3' WIDER THAN TRAVEL SURFACE ON EACH SIDE
Install 18" CMP
Side Ditch
Centerline of Proposed Road
Sta. 0+50
TYPICAL SECTION
Water Line
Sta. 1+00
Fence
Fence
WELL PAD
NOTE:
ACCESS CENTERLINE PROFILE MUST SLOPE AWAY FROM ROAD WITH A MAXIMUM OF 3% FOR 25'. ALSO, MAXIMUM GRADE OF 8% IS REQUIRED BEYOND 25' OF ROAD.
28'
24'
8'
2.0'
12'
12'
2.0'
TAPER
TAPER
6" Gravel Surface Course
-2% Slope
-2% Slope
2:1
8:1
8:1
Top of Sub-Base
CUT SECTION
FILL SECTION
TYPICAL SECTION
UINTAH ENGINEERING & LAND SURVEYING

ENERPLUS RESOURCES (USA) CORPORATION

ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES RIGHT-OF-WAY ON TRIBAL LANDS RIGHT-OF-WAY ON TRIBAL LANDS

(For SAGE #149-93-26BH TF & HIDATSA HILLS #26-21H)

LOCATED IN
SECTION 26, T149N, R93W, 5th P.M.,
DUNN COUNTY, NORTH DAKOTA



LINE TABLE		
LINE	BEARING	LENGTH
L1	S13°33'09"W	58.73'
L2	S13°33'09"W	83.93'

ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES RIGHT-OF-WAY DESCRIPTION

A 50' WIDE RIGHT-OF-WAY 25' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 26, T149N, R93W, 5th P.M., WHICH BEARS S62°54'38"W 793.42' FROM THE NORTH 1/4 CORNER OF SAID SECTION 26, THENCE S13°33'09"W 58.73' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 26, WHICH BEARS S59°50'36"W 832.86' FROM THE NORTH 1/4 CORNER OF SAID SECTION 26. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.067 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
894A	58.73	0.067	3.56

CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

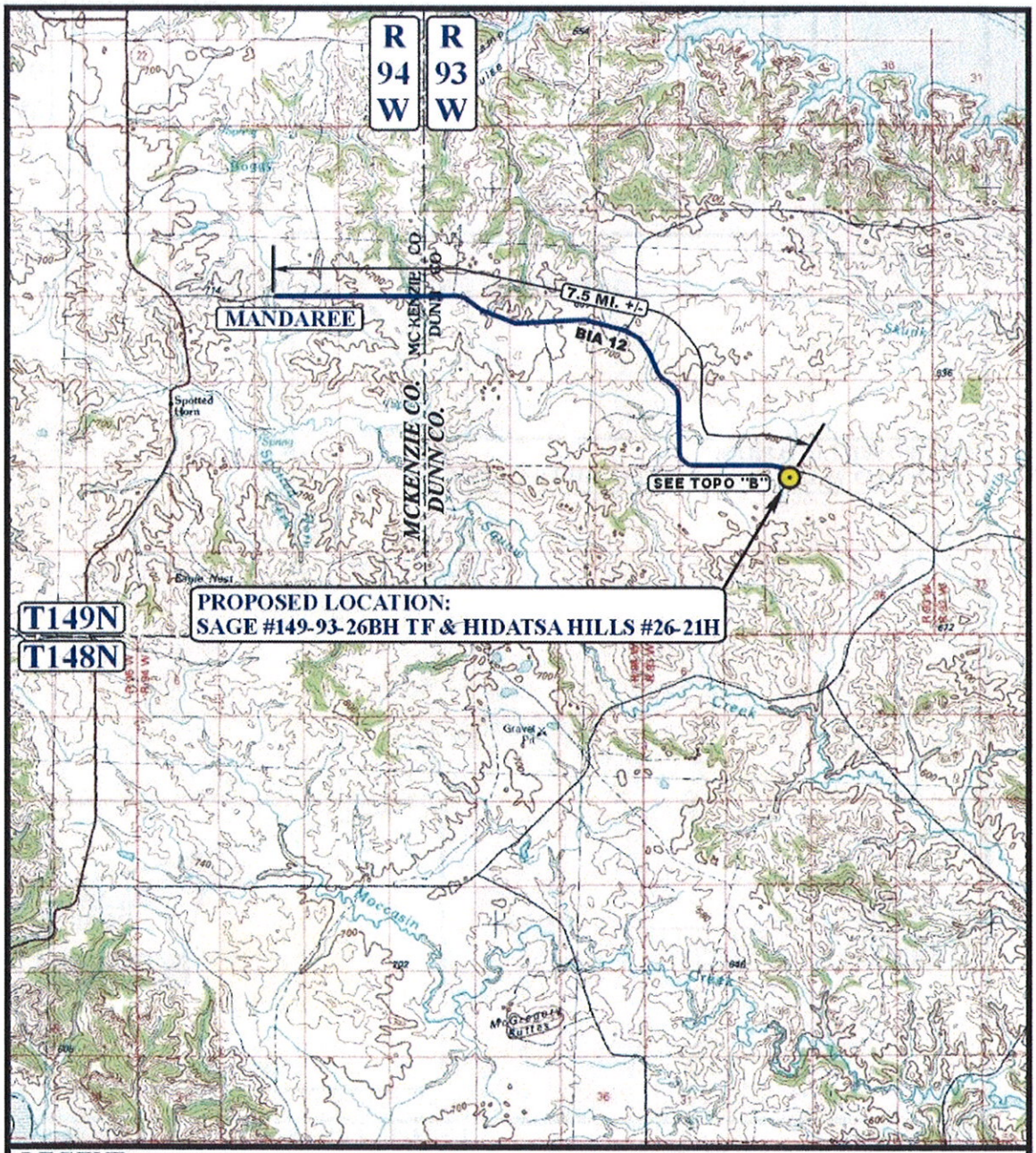
TROY JENSEN REGISTERED LAND SURVEYOR 4854 09-02-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

REVISED: 09-02-11 D.P.

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

SCALE 1" = 300'	DATE 07-06-11
PARTY C.G. P.M.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 5 0 8 4 2



LEGEND:

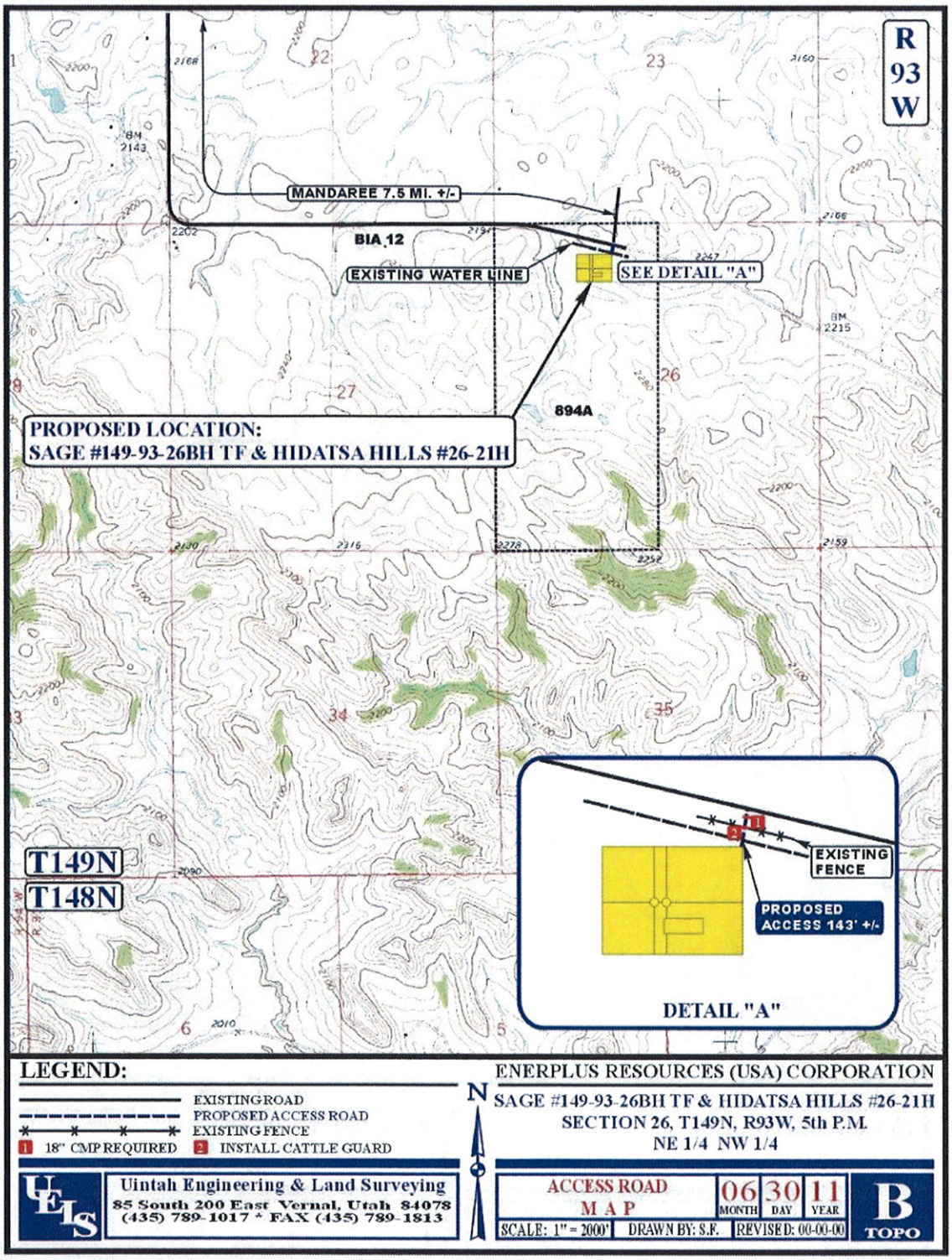
PROPOSED LOCATION

N

ENERPLUS RESOURCES (USA) CORPORATION
SAGE #149-93-26BH TF & HIDATSA HILLS #26-21H
SECTION 26, T149N, R93W, 5th P.M.
NE 1/4 NW 1/4

UEIS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	06 MONTH	30 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: S.F.	REVISED: 00-00-00		


R 93 W
MANDAREE 7.5 MI. +/-
BIA 12
EXISTING WATER LINE
SEE DETAIL "A"
894A
PROPOSED LOCATION:
SAGE #149-93-26BH TF & HIDATSA HILLS #26-21H
T149N
T148N
EXISTING FENCE
PROPOSED ACCESS 143' +/-
DETAIL "A"
LEGEND:
EXISTING ROAD
PROPOSED ACCESS ROAD
EXISTING FENCE
1 18" CMP REQUIRED
2 INSTALL CATTLE GUARD
N
ENERPLUS RESOURCES (USA) CORPORATION
SAGE #149-93-26BH TF & HIDATSA HILLS #26-21H
SECTION 26, T149N, R93W, 5th P.M.
NE 1/4 NW 1/4
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD MAP
06 MONTH
30 DAY
11 YEAR
SCALE: 1" = 2000'
DRAWN BY: S.F.
REVISED: 00-00-00
B TOPO

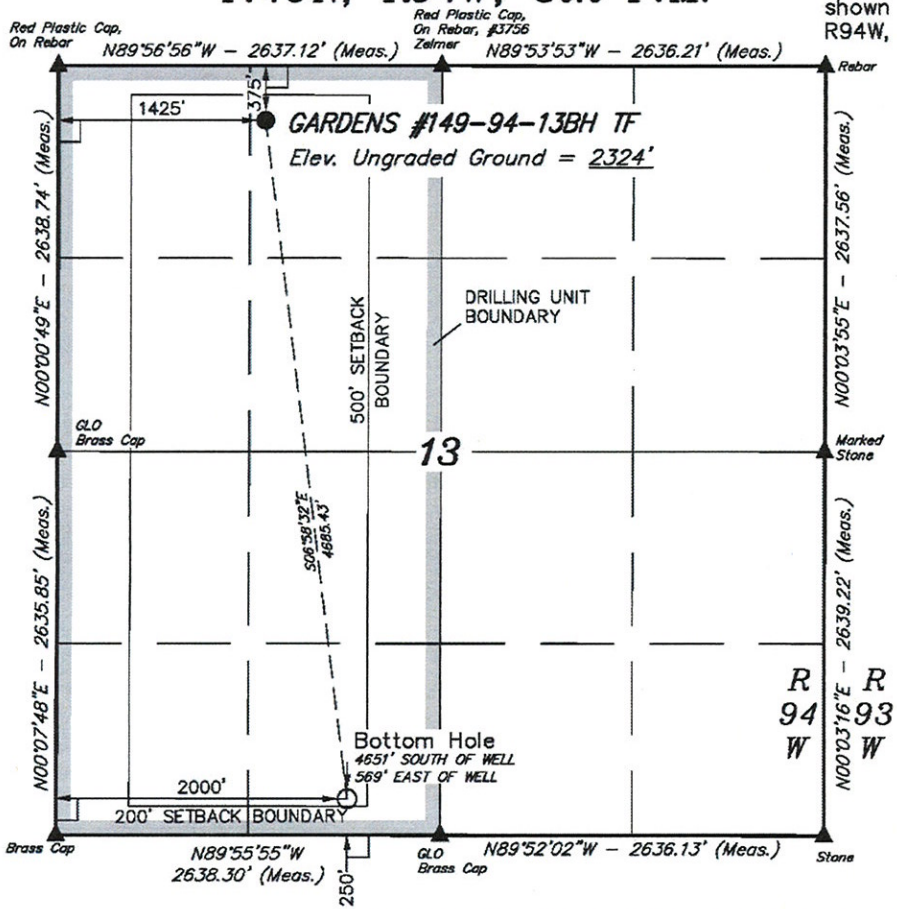
APPENDIX B

Plats, Drawings, and Diagrams for the Gardens #149-94-13BH TF and Hudson #13-21H Well Pad

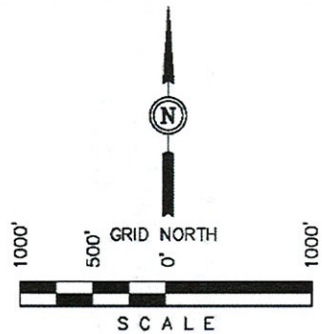
WELL LOCATION PLAT
T149N, R94W, 5th P.M.

ENERPLUS RESOURCES (USA) CORPORATION

Well location, GARDENS #149-94-13BH TF, located as shown in the NE 1/4 NW 1/4 of Section 13, T149N, R94W, 5th P.M., McKenzie County, North Dakota.



VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

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TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 06-22-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

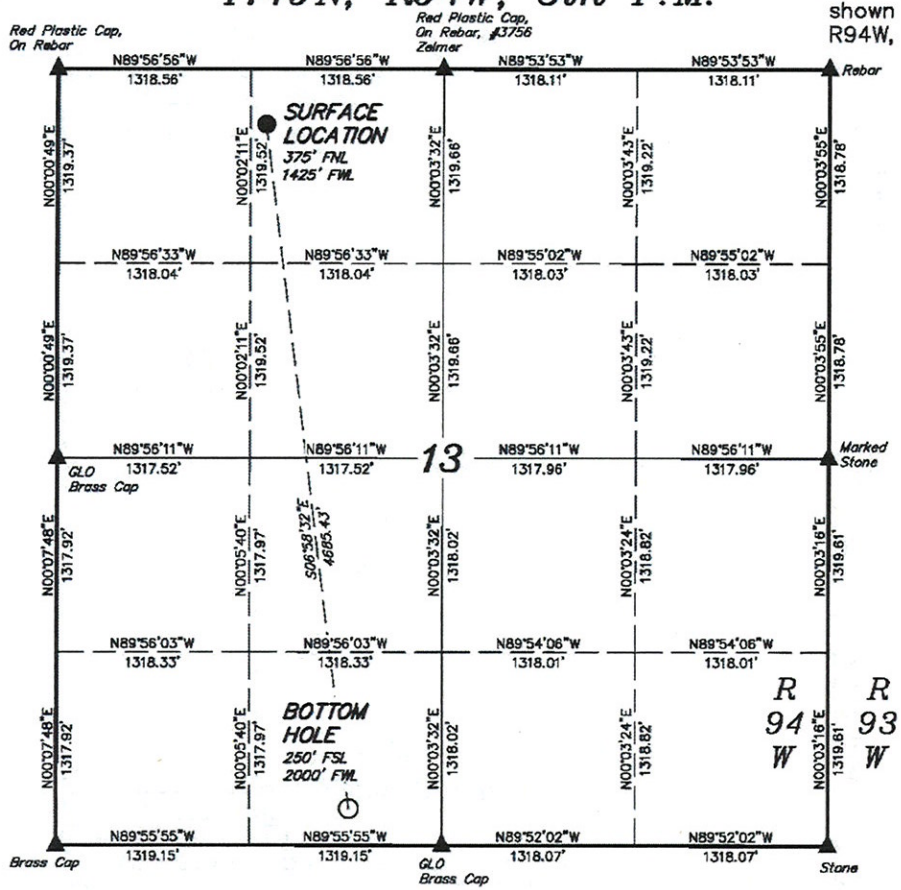
[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH: 2002.0000)]

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°43'05.35" (47.718153) LONGITUDE = 102°39'21.73" (102.656036)	LATITUDE = 47°43'51.24" (47.730900) LONGITUDE = 102°39'30.13" (102.658369)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°43'05.31" (47.718142) LONGITUDE = 102°39'20.05" (102.655569)	LATITUDE = 47°43'51.20" (47.730889) LONGITUDE = 102°39'28.44" (102.657900)

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

SCALE 1" = 1000'	DATE SURVEYED: 06-05-11	DATE DRAWN: 06-20-11
PARTY D.D. M.C. D.P.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENERPLUS RESOURCES (USA) CORPORATION	

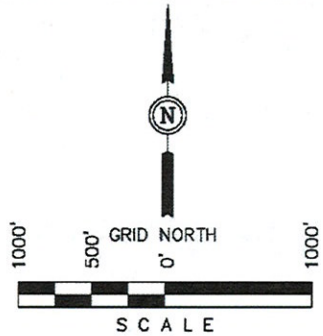
SECTION BREAKDOWN
T149N, R94W, 5th P.M.



ENERPLUS RESOURCES (USA) CORPORATION

Well location, GARDENS #149–94–13BH TF, located as shown in the NE 1/4 NW 1/4 of Section 13, T149N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



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REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

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[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

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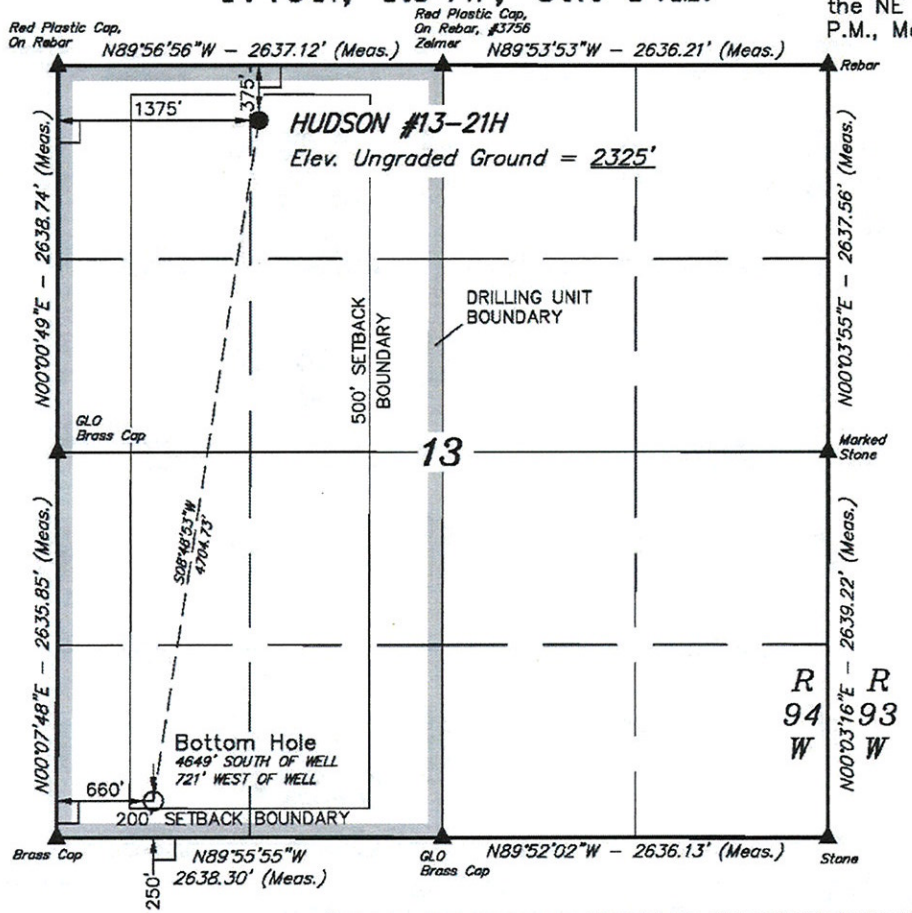
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE 1" = 1000'	DATE SURVEYED: 06–05–11	DATE DRAWN: 06–20–11
PARTY D.D. M.C. D.P.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENERPLUS RESOURCES (USA) CORPORATION	

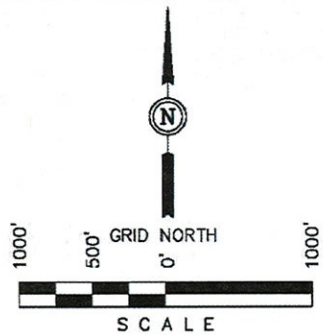
WELL LOCATION PLAT
T149N, R94W, 5th P.M.

ENERPLUS RESOURCES (USA) CORPORATION

Well location, HUDSON #13–21H, located as shown in the NE 1/4 NW 1/4 of Section 13, T149N, R94W, 5th P.M., McKenzie County, North Dakota.



VERTICAL CONTROL DATUM: NAVD88



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TROY JENSEN REGISTERED LAND SURVEYOR REG. 4654 06-22-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

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[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°43'05.35" (47.718153) LONGITUDE = 102°39'41.32" (102.661478)	LATITUDE = 47°43'51.24" (47.730900) LONGITUDE = 102°39'30.86" (102.658572)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°43'05.31" (47.718142) LONGITUDE = 102°39'39.64" (102.661011)	LATITUDE = 47°43'51.20" (47.730889) LONGITUDE = 102°39'29.17" (102.658103)

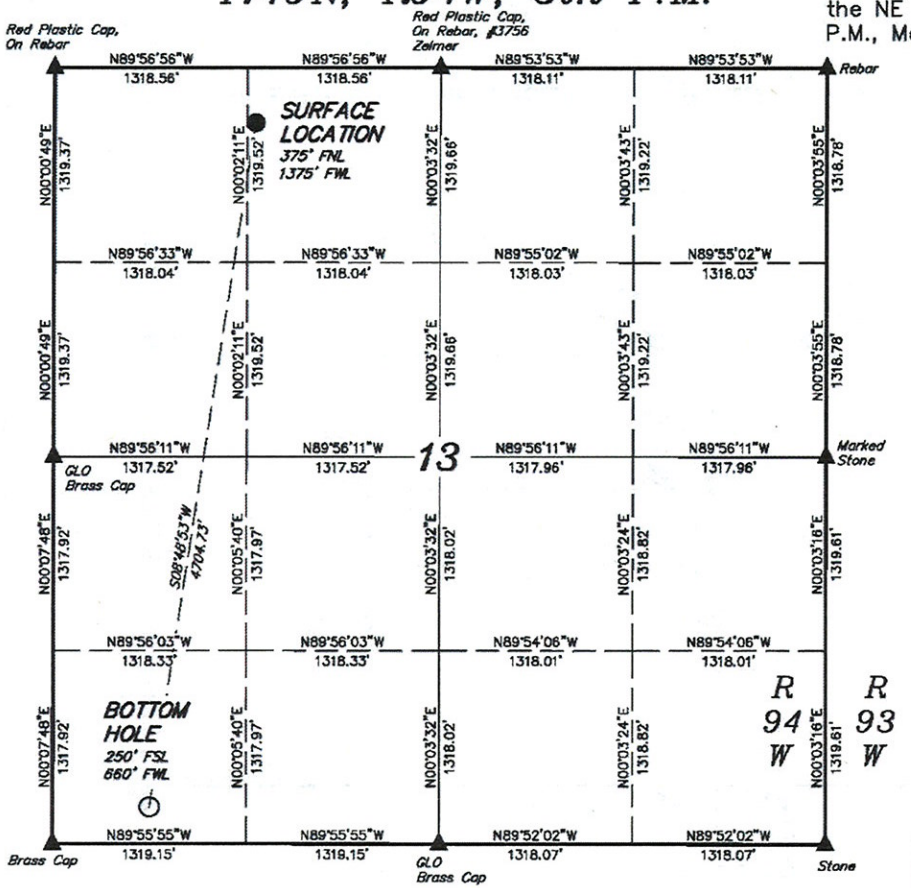
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

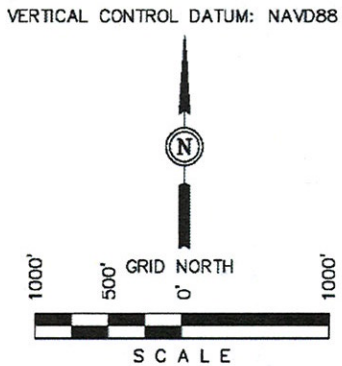
SCALE 1" = 1000'	DATE SURVEYED: 06–05–11	DATE DRAWN: 06–20–11
PARTY D.D. M.C. D.P.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENERPLUS RESOURCES (USA) CORPORATION	

SECTION BREAKDOWN
T149N, R94W, 5th P.M.

ENERPLUS RESOURCES (USA) CORPORATION

Well location, HUDSON #13–21H, located as shown in the NE 1/4 NW 1/4 of Section 13, T149N, R94W, 5th P.M., McKenzie County, North Dakota.





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TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 06-22-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

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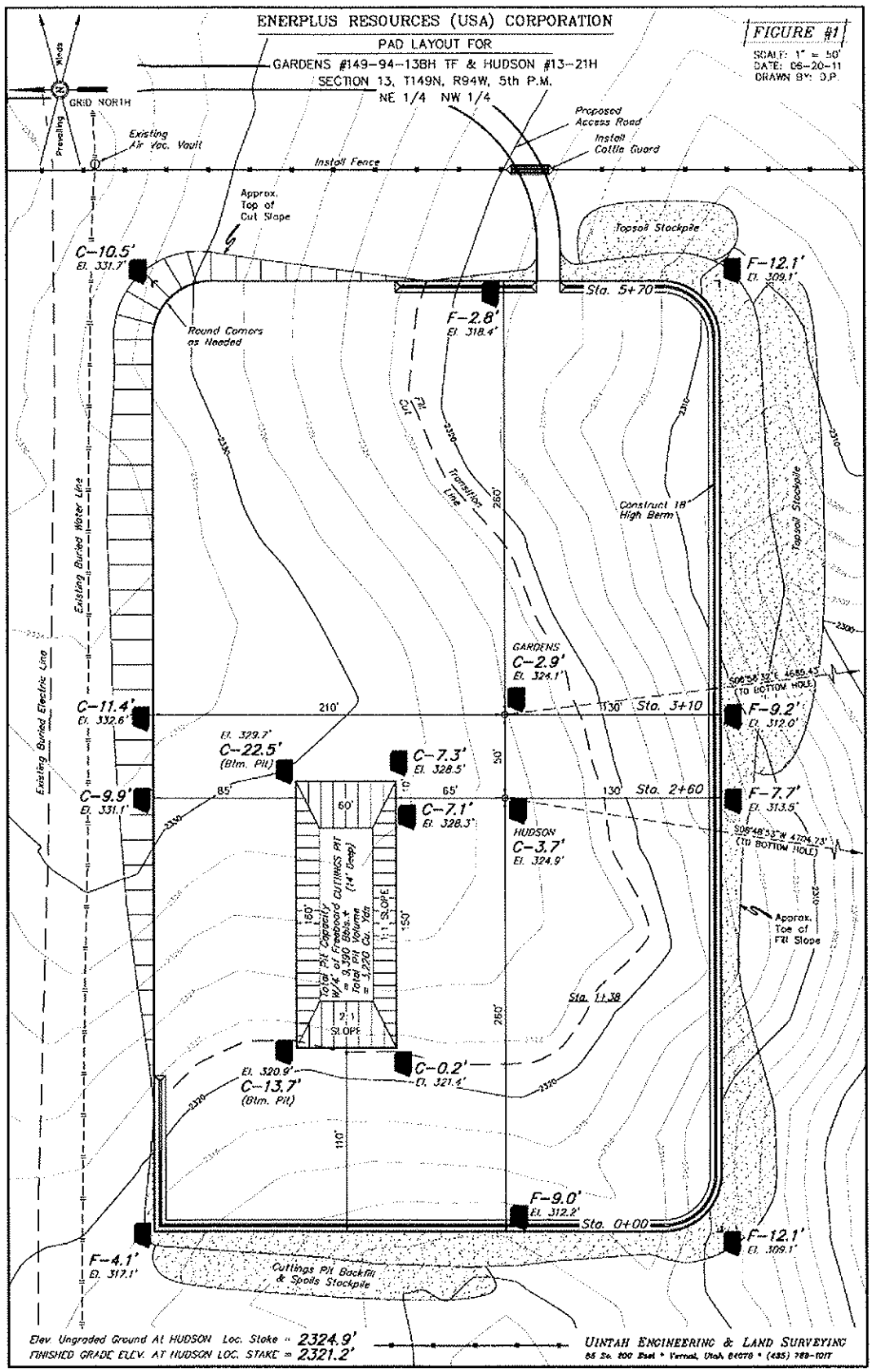
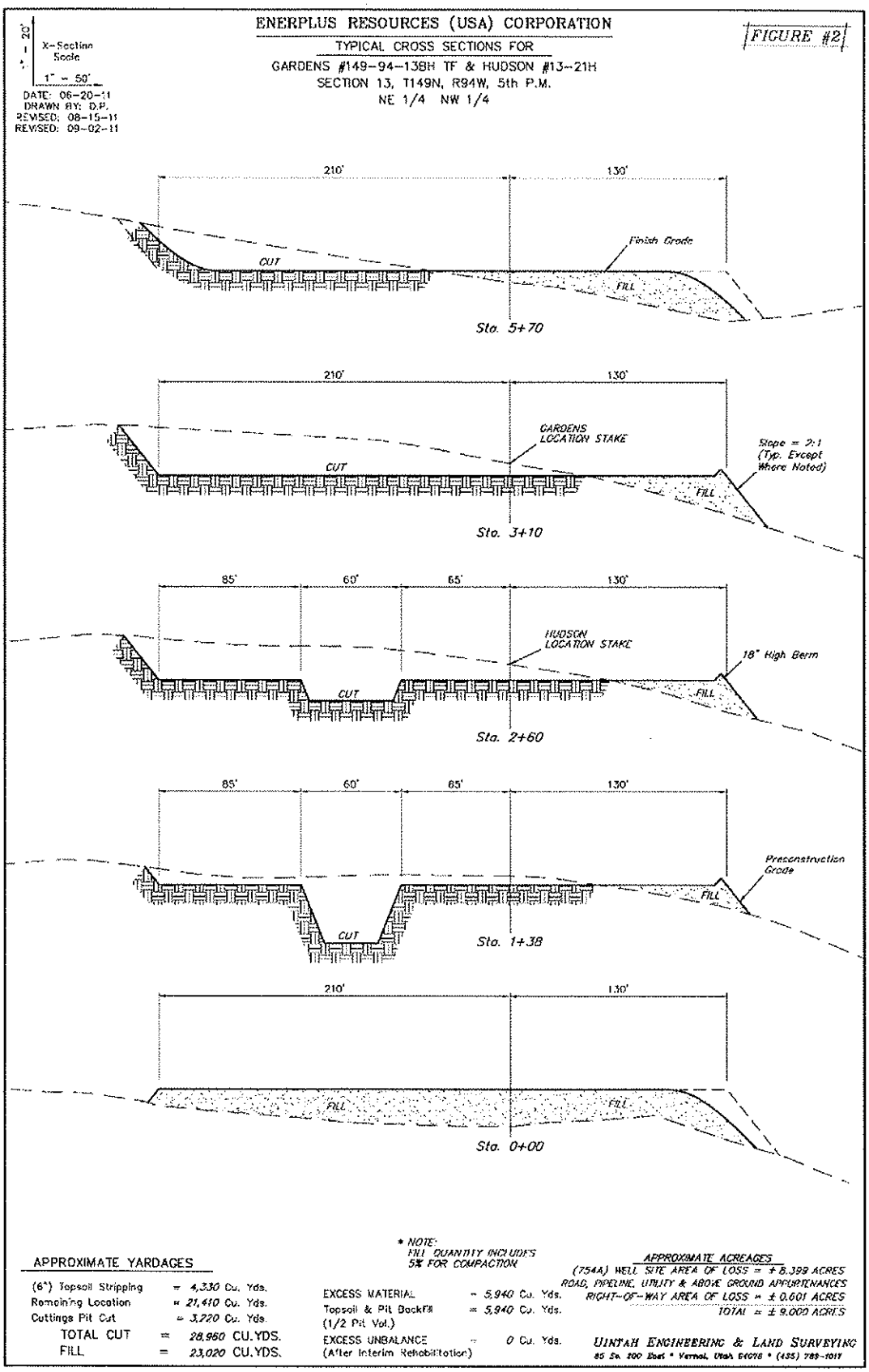
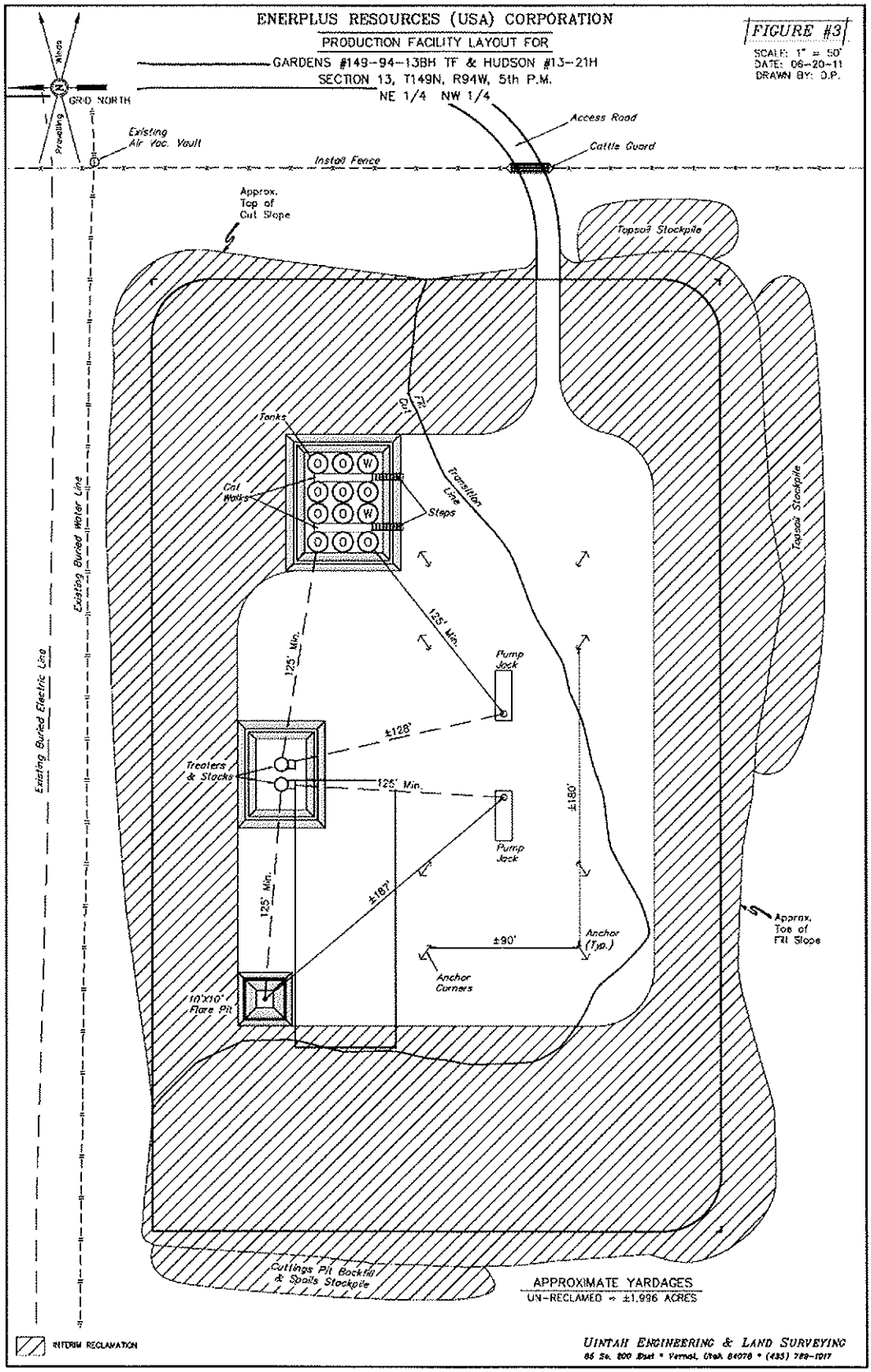
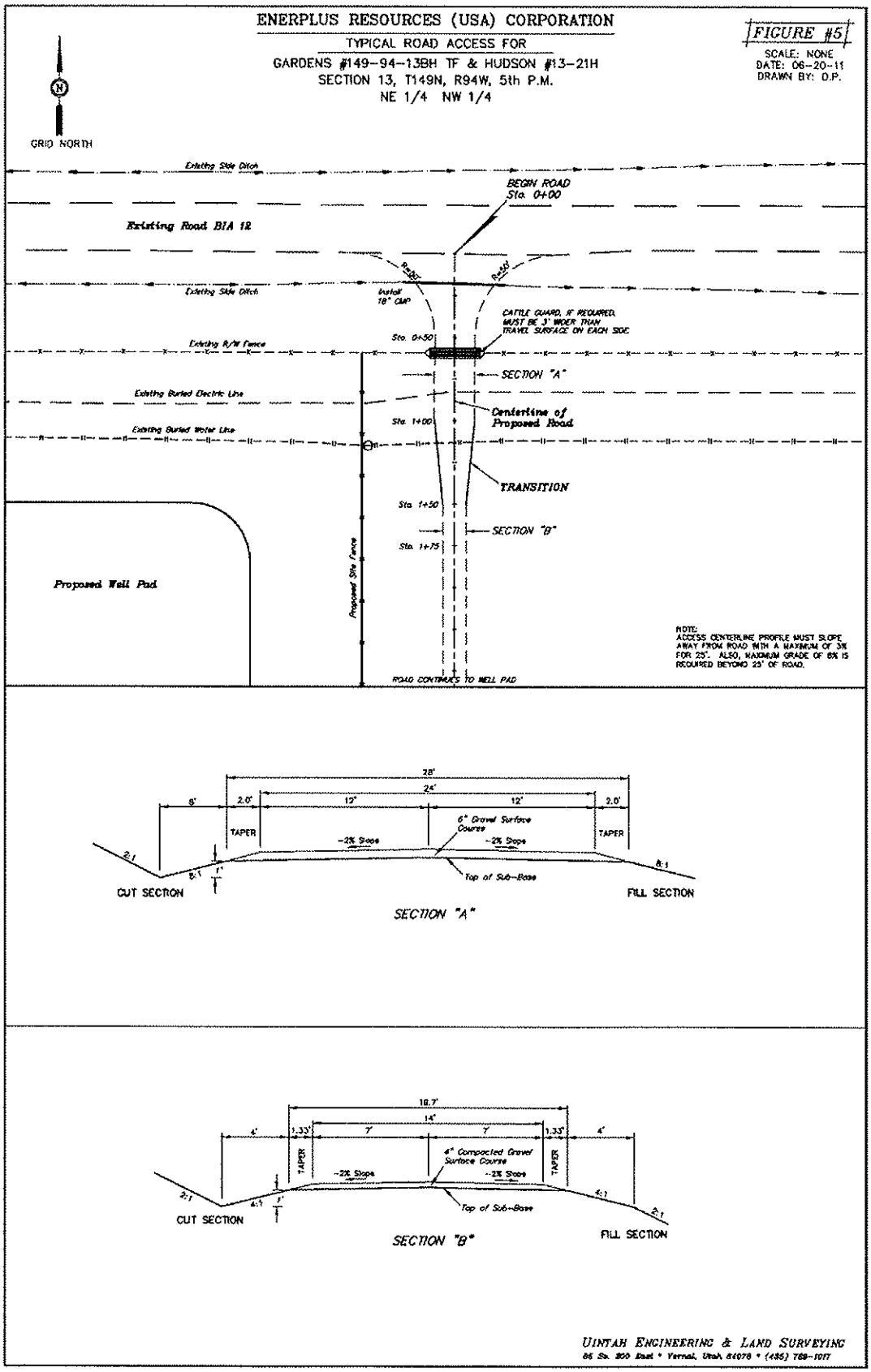
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE: 1" = 1000'	DATE SURVEYED: 06–05–11	DATE DRAWN: 06–20–11
PARTY: D.D. M.C. D.P.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: ENERPLUS RESOURCES (USA) CORPORATION	


ENERPLUS RESOURCES (USA) CORPORATION
PAD LAYOUT FOR
GARDENS #149-94-13BH TF & HUDSON #13-21H
SECTION 13, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #1
SCALE: 1" = 50'
DATE: 06-20-11
DRAWN BY: D.P.
GRID NORTH
Prevailing Winds
Existing Air Vac. Vault
Install Fence
Proposed Access Road
Install Cattle Guard
Approx. Top of Cut Slope
Topsoil Stockpile
C-10.5' El. 331.7'
F-12.1' El. 309.1'
Sta. 5+70
F-2.8' El. 318.4'
Round Corners as Needed
Fill Cut
Transition Line
Construct 18" High Berm
Topsoil Stockpile
Existing Buried Water Line
Existing Buried Electric Line
GARDENS C-2.9' El. 324.1'
C-11.4' El. 332.6'
Sta. 3+10
F-9.2' El. 312.0'
El. 329.7' C-22.5' (Btm. Pit)
C-7.3' El. 328.5'
C-9.9' El. 331.1'
Sta. 2+60
F-7.7' El. 313.5'
C-7.1' El. 328.3'
HUDSON C-3.7' El. 324.9'
Total Pit Capacity W/4' of Freeboard CUTTINGS PIT = 9,390 Bbls.± (14' Deep)
Total Pit Volume = 3,220 Cu. Yds.
1:1 SLOPE
2:1 SLOPE
Approx. Toe of Fill Slope
Sta. 1+38
El. 320.9' C-13.7' (Btm. Pit)
C-0.2' El. 321.4'
F-9.0' El. 312.2'
Sta. 0+00
F-12.1' El. 309.1'
F-4.1' El. 317.1'
Cuttings Pit Backfill & Spoils Stockpile
Elev. Ungraded Ground At HUDSON Loc. Stake = 2324.9'
FINISHED GRADE ELEV. AT HUDSON LOC. STAKE = 2321.2'
UINTAH ENGINEERING & LAND SURVEYING


ENERPLUS RESOURCES (USA) CORPORATION
TYPICAL CROSS SECTIONS FOR
GARDENS #149-94-13BH TF & HUDSON #13-21H
SECTION 13, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #2
X-Section Scale 1" = 50'
DATE: 06-20-11
DRAWN BY: D.P.
REVISED: 08-15-11
REVISED: 09-02-11
210'
130'
Finish Grade
CUT
FILL
Sta. 5+70
GARDENS LOCATION STAKE
Slope = 2:1 (Typ. Except Where Noted)
Sta. 3+10
85'
60'
65'
HUDSON LOCATION STAKE
18" High Berm
Sta. 2+60
Preconstruction Grade
Sta. 1+38
Sta. 0+00
APPROXIMATE YARDAGES
(6") Topsoil Stripping = 4,330 Cu. Yds.
Remaining Location = 21,410 Cu. Yds.
Cuttings Pit Cut = 3,220 Cu. Yds.
TOTAL CUT = 28,960 CU.YDS.
FILL = 23,020 CU.YDS.
* NOTE: FILL QUANTITY INCLUDES 5% FOR COMPACTION
EXCESS MATERIAL = 5,940 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 5,940 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.
APPROXIMATE ACREAGES
(754A) WELL SITE AREA OF LOSS = ± 8.399 ACRES
ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES RIGHT-OF-WAY AREA OF LOSS = ± 0.601 ACRES
TOTAL = ± 9.000 ACRES
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017


ENERPLUS RESOURCES (USA) CORPORATION
PRODUCTION FACILITY LAYOUT FOR
GARDENS #149-94-13BH TF & HUDSON #13-21H
SECTION 13, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #3
SCALE: 1" = 50'
DATE: 06-20-11
DRAWN BY: D.P.
GRID NORTH
Proposed Access
Existing Air Loc. Vault
Install Fence
Access Road
Cattle Guard
Approx. Top of Cut Slope
Topsoil Stockpile
Tanks
Cat Walks
Steps
Cut
Fill
Transition Line
Existing Buried Water Line
Existing Buried Electric Line
125' Min.
Pump Jack
±128'
Treaters & Stacks
±180'
±167'
±90'
Anchor (Typ.)
Anchor Corners
10'X10' Flare Pit
Approx. Toe of Fill Slope
Cuttings Pit Backfill & Spoils Stockpile
APPROXIMATE YARDAGES
UN-RECLAIMED = ±1.996 ACRES
INTERIM RECLAMATION
UINTAH ENGINEERING & LAND SURVEYING

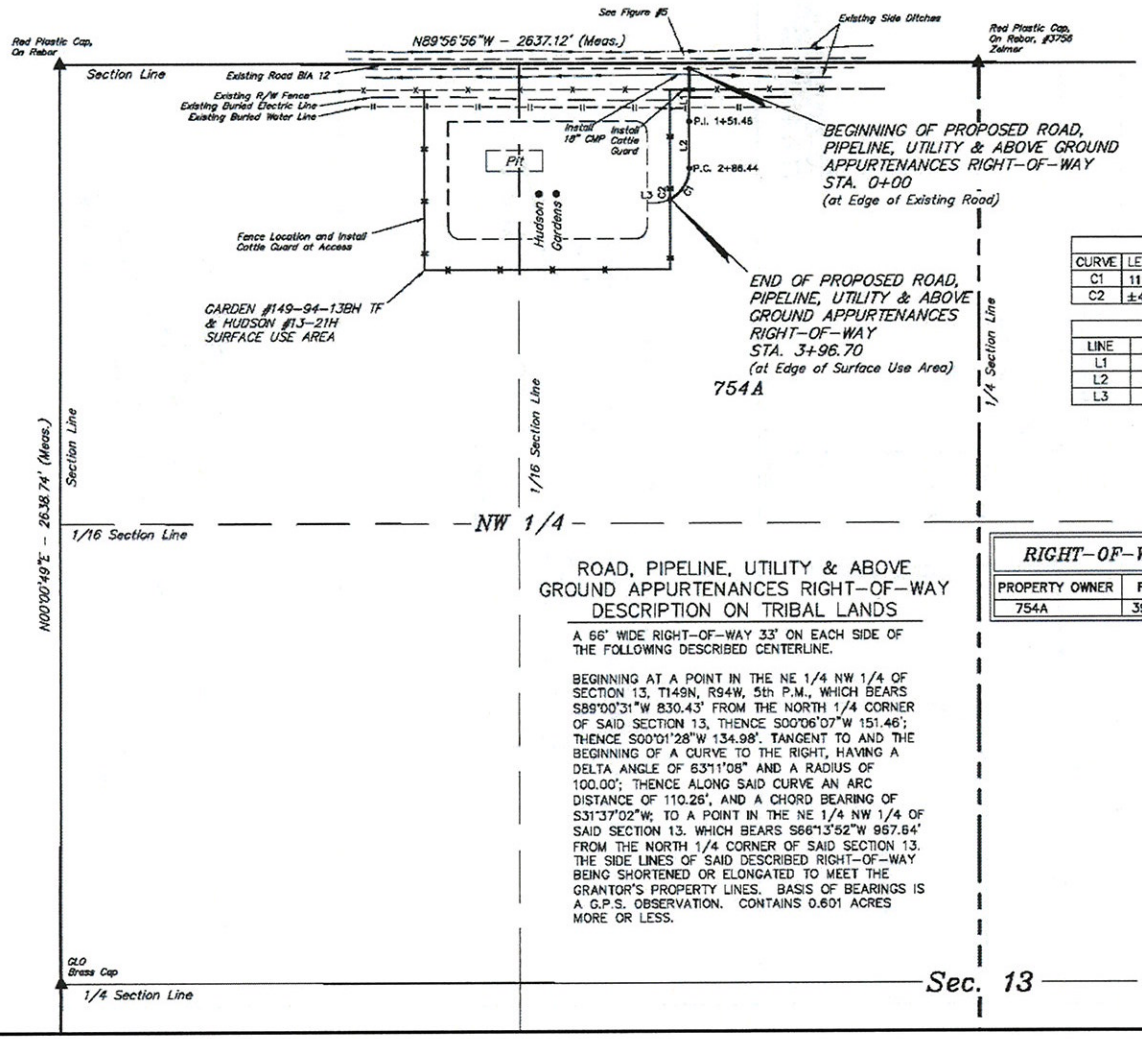

ENERPLUS RESOURCES (USA) CORPORATION
TYPICAL ROAD ACCESS FOR
GARDENS #149-94-13BH TF & HUDSON #13-21H
SECTION 13, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #5
SCALE: NONE
DATE: 06-20-11
DRAWN BY: D.P.
GRID NORTH
Existing Side Ditch
BEGIN ROAD
Sta. 0+00
Existing Road BIA 12
Existing Side Ditch
Inlet
18" CMP
CATTLE GUARD, IF REQUIRED, MUST BE 3' WIDER THAN TRAVEL SURFACE ON EACH SIDE
Sta. 0+50
Existing R/W Fence
SECTION "A"
Existing Buried Electric Line
Centerline of Proposed Road
Sta. 1+00
Existing Buried Water Line
TRANSITION
Sta. 1+50
SECTION "B"
Sta. 1+75
Proposed Well Pad
Proposed Site Fence
NOTE:
ACCESS CENTERLINE PROFILE MUST SLOPE AWAY FROM ROAD WITH A MAXIMUM OF 3% FOR 25'. ALSO, MAXIMUM GRADE OF 6% IS REQUIRED BEYOND 25' OF ROAD.
ROAD CONTINUES TO WELL PAD
28'
24'
8'
2.0'
12'
12'
2.0'
TAPER
6" Gravel Surface Course
-2% Slope
-2% Slope
TAPER
2:1
6:1
6:1
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "A"
18.7'
14'
4'
1.33'
7'
7'
1.33'
4'
TAPER
4" Compacted Gravel Surface Course
-2% Slope
-2% Slope
TAPER
2:1
4:1
4:1
2:1
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "B"
UINTAH ENGINEERING & LAND SURVEYING

ENERPLUS RESOURCES (USA) CORPORATION

ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES RIGHT-OF-WAY ON TRIBAL LANDS

(For GARDENS #149-94-13BH TF & HUDSON #13-21H)

LOCATED IN SECTION 13, T149N, R94W, 5th P.M., McKENZIE COUNTY, NORTH DAKOTA



CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA ANGLE	CHORD
C1	110.26'	100.00'	63°11'08"	S31°37'02"W
C2	±46.81'	100.00'	26°49'34"	S76°33'04"W

LINE TABLE		
LINE	BEARING	LENGTH
L1	S00°06'07"W	151.46'
L2	S00°01'28"W	134.98'
L3	N89°57'51"W	±21.51'

GRID NORTH

300' 150' 0' 300'

SCALE

▲ = SECTION CORNERS LOCATED.

ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES RIGHT-OF-WAY DESCRIPTION ON TRIBAL LANDS

A 66' WIDE RIGHT-OF-WAY 33' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 NW 1/4 OF SECTION 13, T149N, R94W, 5th P.M., WHICH BEARS S89°00'31"W 830.43' FROM THE NORTH 1/4 CORNER OF SAID SECTION 13, THENCE S00°06'07"W 151.46'; THENCE S00°01'28"W 134.98'. TANGENT TO AND THE BEGINNING OF A CURVE TO THE RIGHT, HAVING A DELTA ANGLE OF 63°11'08" AND A RADIUS OF 100.00'; THENCE ALONG SAID CURVE AN ARC DISTANCE OF 110.26', AND A CHORD BEARING OF S31°37'02"W; TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 13. WHICH BEARS S66°13'52"W 957.64' FROM THE NORTH 1/4 CORNER OF SAID SECTION 13. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.601 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
754A	396.70	0.601	24.04

CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

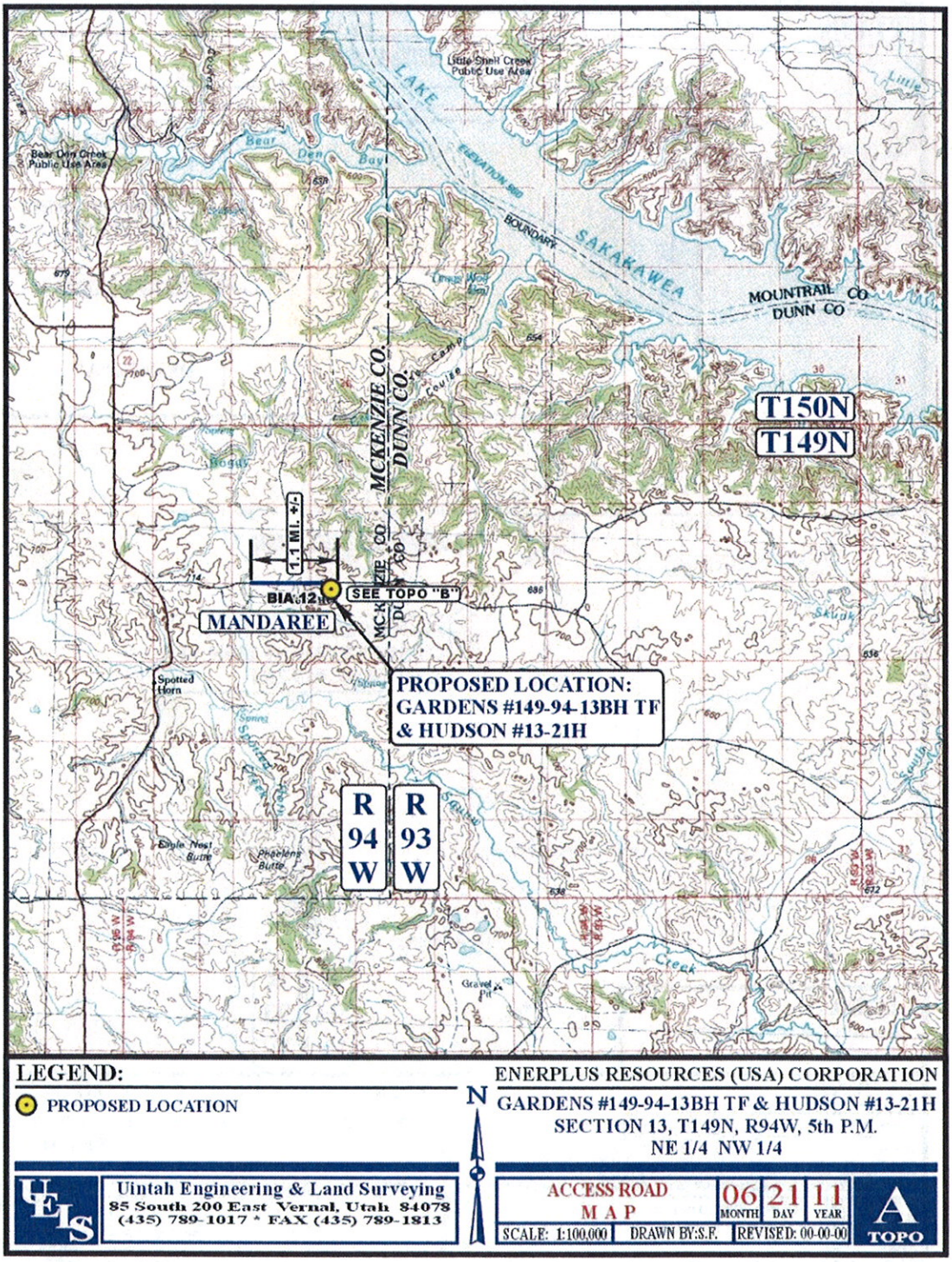
TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 09-02-11 NORTH DAKOTA

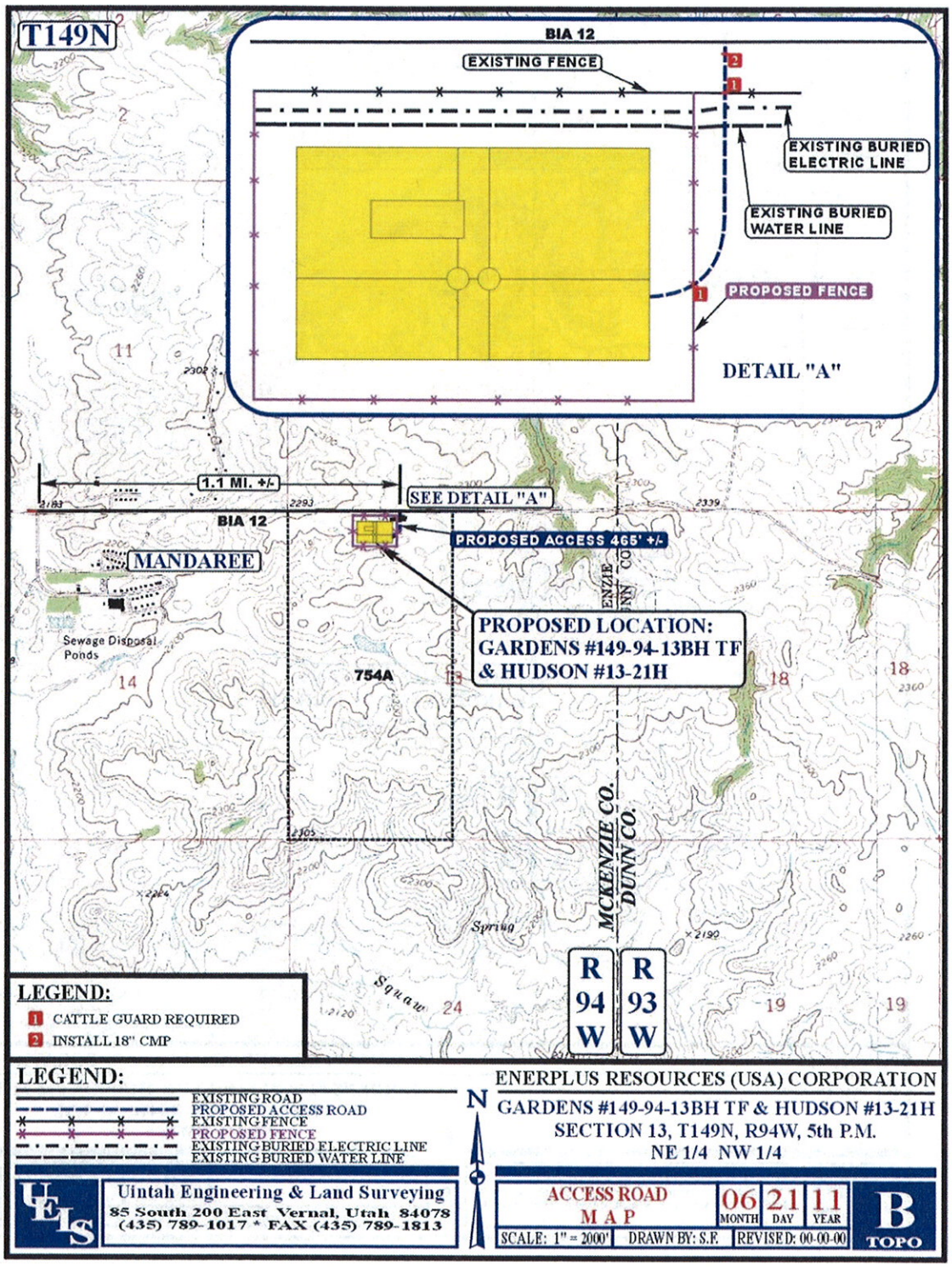
REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

REVISED: 09-02-11
REVISED: 08-15-11

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

SCALE 1" = 300'	DATE 06-20-11
PARTY D.D. M.C. D.P.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE 50774

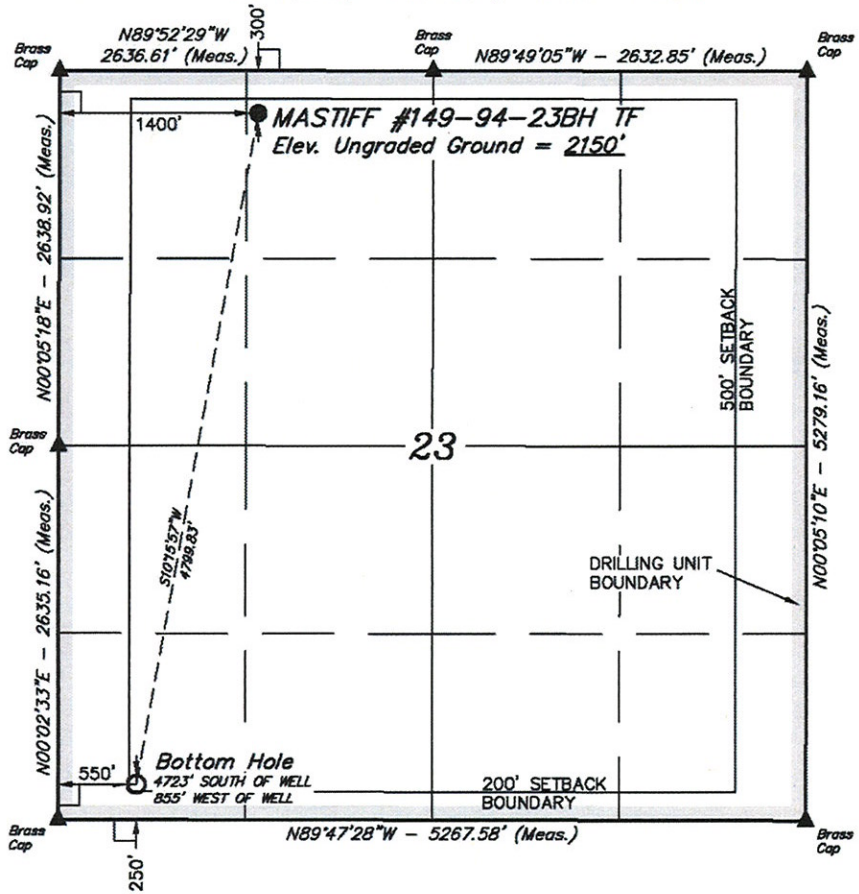

LAKE SAKAKAWEA
MOUNTRAIL CO
DUNN CO
MCKENZIE CO.
DUNN CO.
T150N
T149N
1.1 MI. +/-
BIA 12
SEE TOPO "B"
MANDAREE
PROPOSED LOCATION:
GARDENS #149-94-13BH TF
& HUDSON #13-21H
R 94 W
R 93 W
LEGEND:
PROPOSED LOCATION
N
ENERPLUS RESOURCES (USA) CORPORATION
GARDENS #149-94-13BH TF & HUDSON #13-21H
SECTION 13, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD
MAP
06 MONTH
21 DAY
11 YEAR
A TOPO
SCALE: 1:100,000
DRAWN BY:S.F.
REVISED: 00-00-00


T149N
BIA 12
EXISTING FENCE
EXISTING BURIED ELECTRIC LINE
EXISTING BURIED WATER LINE
PROPOSED FENCE
DETAIL "A"
1.1 MI. +/-
SEE DETAIL "A"
BIA 12
PROPOSED ACCESS 465' +/-
MANDAREE
Sewage Disposal Ponds
754A
PROPOSED LOCATION:
GARDENS #149-94-13BH TF
& HUDSON #13-21H
MCKENZIE CO.
DUNN CO.
Spring
Squaw
R 94 W
R 93 W
LEGEND:
1 CATTLE GUARD REQUIRED
2 INSTALL 18" CMP
LEGEND:
EXISTING ROAD
PROPOSED ACCESS ROAD
EXISTING FENCE
PROPOSED FENCE
EXISTING BURIED ELECTRIC LINE
EXISTING BURIED WATER LINE
N
ENERPLUS RESOURCES (USA) CORPORATION
GARDENS #149-94-13BH TF & HUDSON #13-21H
SECTION 13, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD MAP
06 MONTH
21 DAY
11 YEAR
B TOPO
SCALE: 1" = 2000'
DRAWN BY: S.F.
REVISED: 00-00-00

APPENDIX C

Plats, Drawings, and Diagrams for the Mastiff #149-94-23BH TF and Hall #23-21H Well Pad

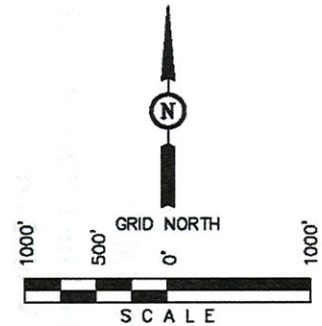
WELL LOCATION PLAT
T149N, R94W, 5th P.M.



ENERPLUS RESOURCES (USA) CORPORATION

Well location, MASTIFF #149–94–23BH TF, located as shown in the NE 1/4 NW 1/4 of Section 23, T149N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 07-26-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

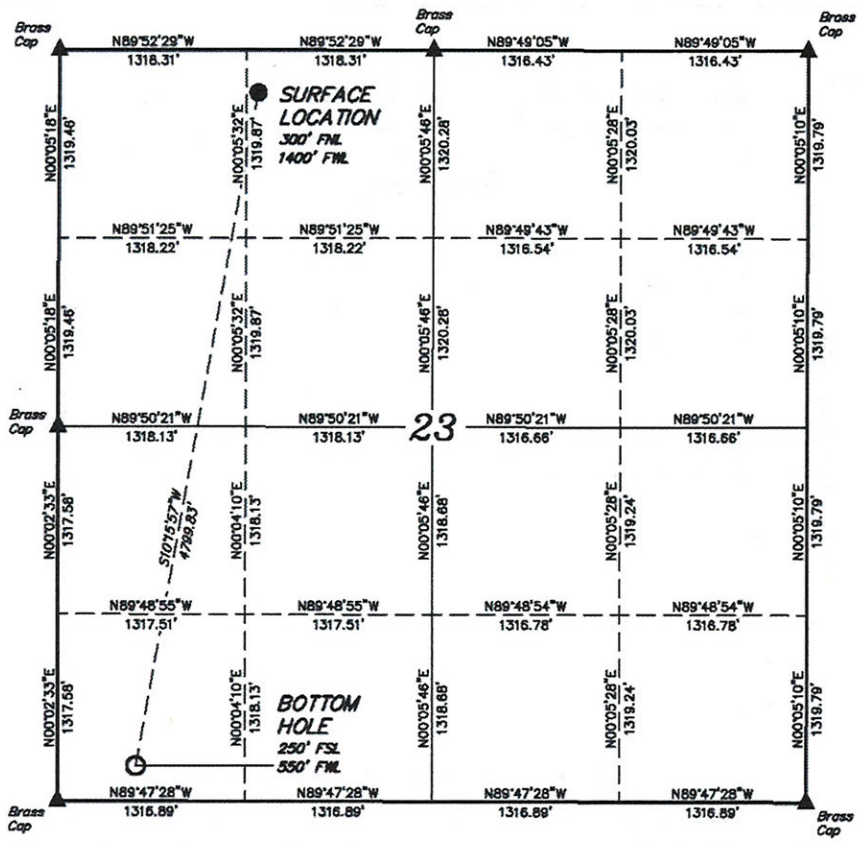
▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°42'13.36" (47.703711)	LATITUDE = 47°42'59.98" (47.716661)
LONGITUDE = 102°40'59.96" (102.683322)	LONGITUDE = 102°40'47.56" (102.679878)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 47°42'13.32" (47.703700)	LATITUDE = 47°42'59.94" (47.716650)
LONGITUDE = 102°40'58.27" (102.682853)	LONGITUDE = 102°40'45.87" (102.679408)
[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]	

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

SCALE 1" = 1000'	DATE SURVEYED: 06–30–11	DATE DRAWN: 07–20–11
PARTY S.W. D.L. C.C.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE ENERPLUS RESOURCES (USA) CORPORATION	

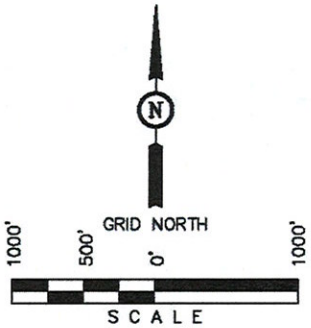
SECTION BREAKDOWN
T149N, R94W, 5th P.M.



ENERPLUS RESOURCES (USA) CORPORATION

Well location, MASTIFF #149-94-23BH TF, located as shown in the NE 1/4 NW 1/4 of Section 23, T149N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



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TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 07-20-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

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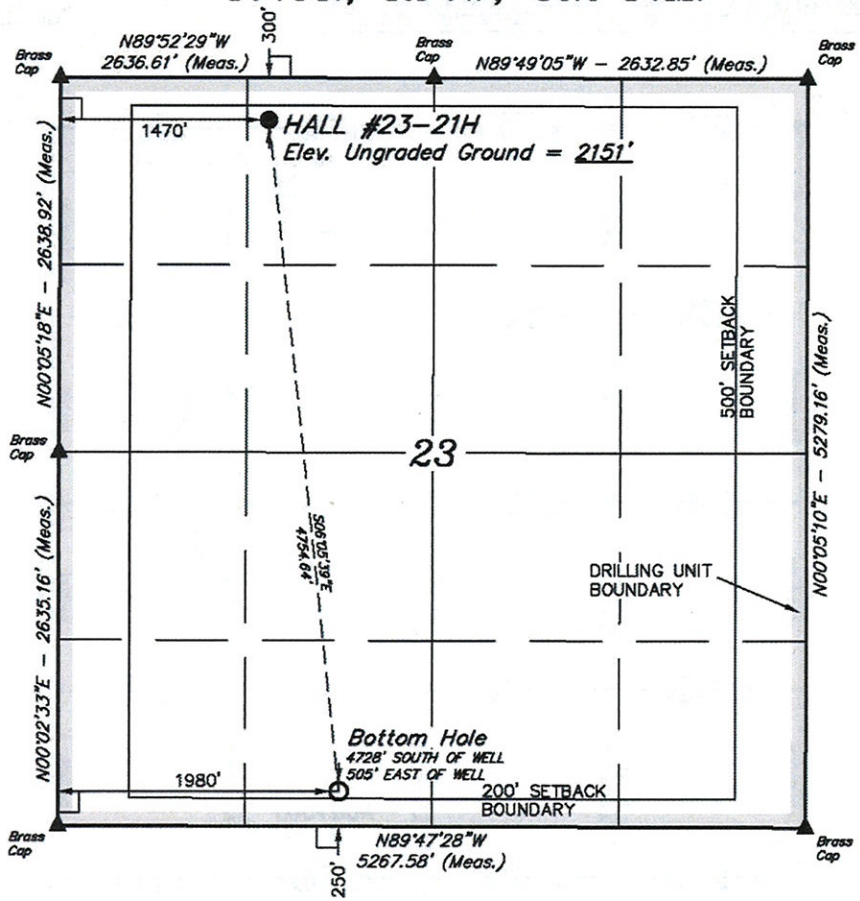
[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	06-30-11	07-20-11
PARTY: S.W. D.L. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: ENERPLUS RESOURCES (USA) CORPORATION	

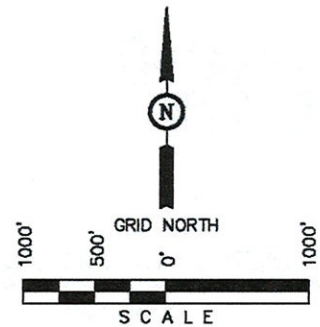
WELL LOCATION PLAT
T149N, R94W, 5th P.M.



ENERPLUS RESOURCES (USA) CORPORATION

Well location, HALL #23–21H, located as shown in the NE 1/4 NW 1/4 of Section 23, T149N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



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TROY JENSEN REGISTERED LAND SURVEYOR REG. 4654 07-26-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

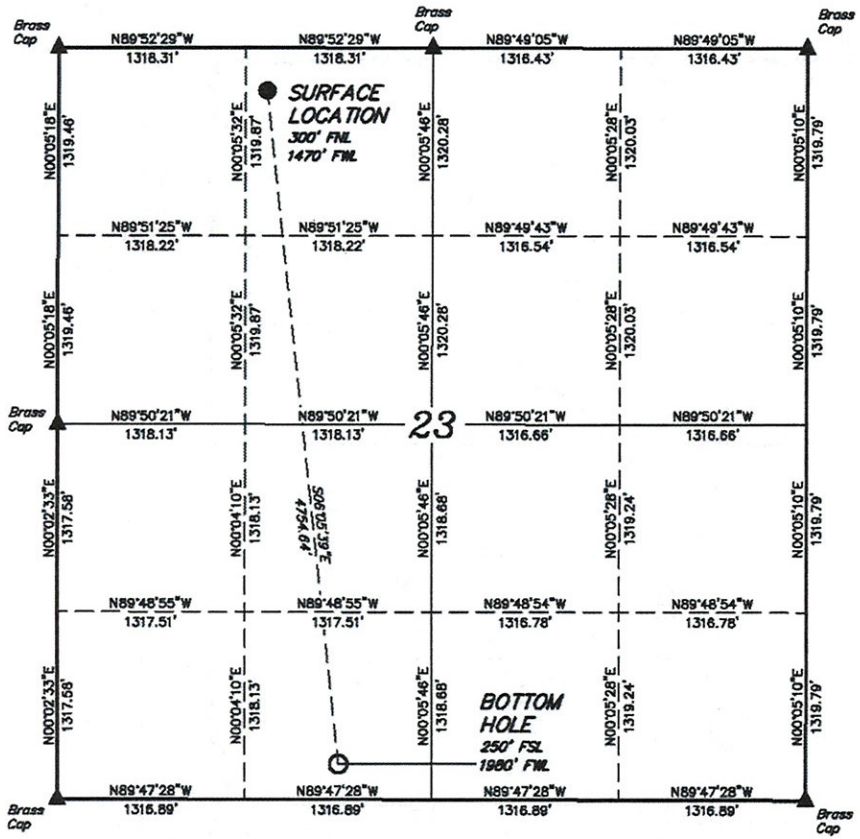
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°42'13.33" (47.703703)	LATITUDE = 47°42'59.98" (47.716661)
LONGITUDE = 102°40'39.05" (102.677514)	LONGITUDE = 102°40'46.54" (102.679594)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 47°42'13.29" (47.703692)	LATITUDE = 47°42'59.93" (47.716647)
LONGITUDE = 102°40'37.37" (102.677047)	LONGITUDE = 102°40'44.85" (102.679125)

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

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

SCALE 1" = 1000'	DATE SURVEYED: 06-30-11	DATE DRAWN: 07-20-11
PARTY S.W. D.L. C.C.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE ENERPLUS RESOURCES (USA) CORPORATION	

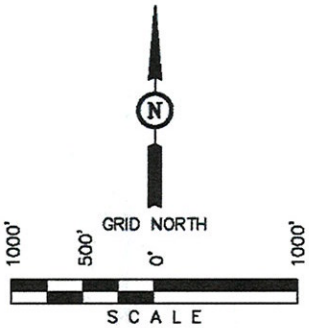
SECTION BREAKDOWN
T149N, R94W, 5th P.M.



ENERPLUS RESOURCES (USA) CORPORATION

Well location, HALL #23–21H, located as shown in the NE 1/4 NW 1/4 of Section 23, T149N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



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TROY JENSEN REGISTERED LAND SURVEYOR 4654 07-26-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
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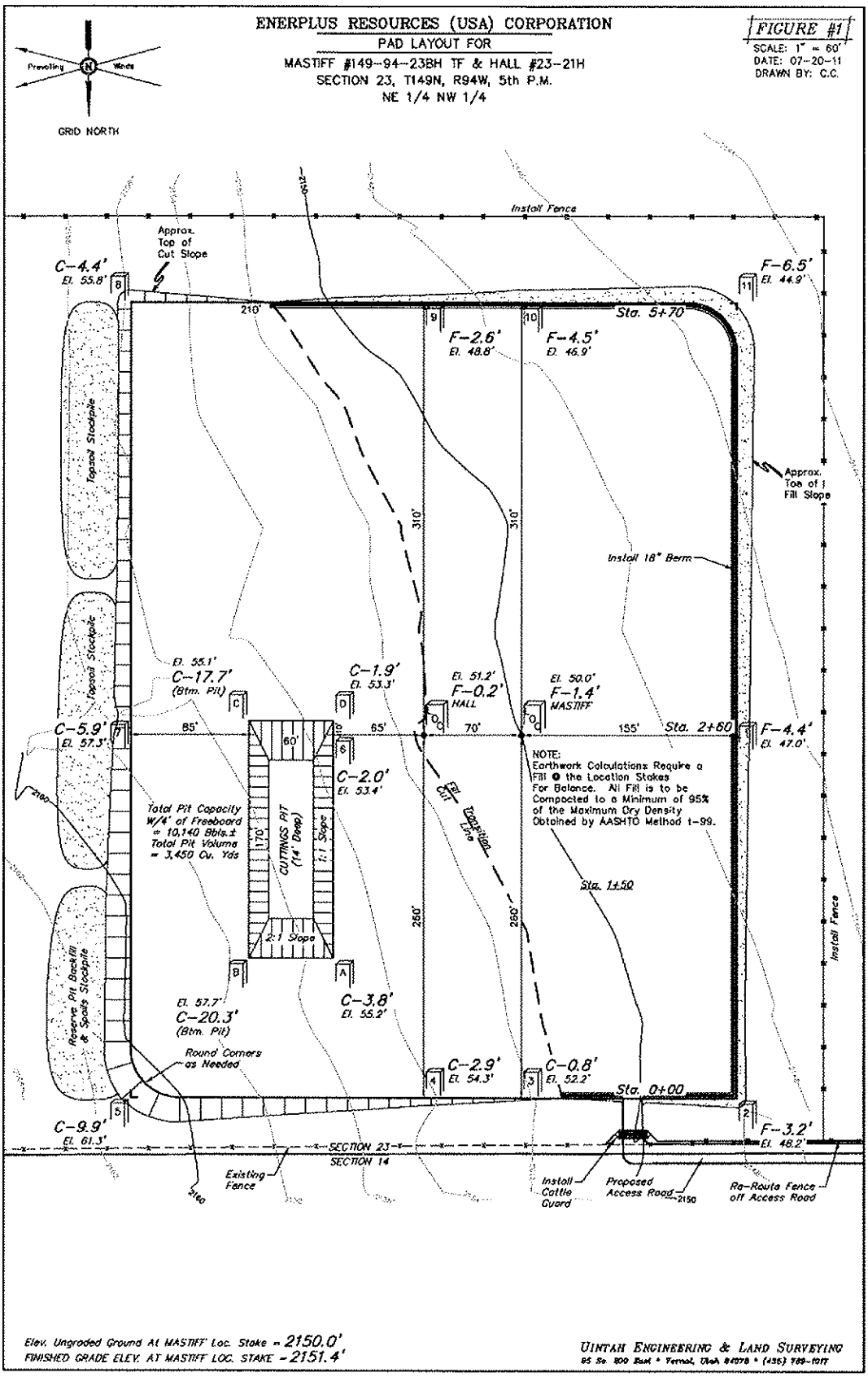
LONGITUDE = 102°40'37.37" (102.677047)	LONGITUDE = 102°40'44.85" (102.679125)

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	06-30-11	07-20-11
PARTY: S.W. D.L. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: ENERPLUS RESOURCES (USA) CORPORATION	


ENERPLUS RESOURCES (USA) CORPORATION
PAD LAYOUT FOR
MASTIFF #149-94-23BH TF & HALL #23-21H
SECTION 23, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #1
SCALE: 1" = 60'
DATE: 07-20-11
DRAWN BY: C.C.
Prevailing Winds
GRID NORTH
Install Fence
Approx. Top of Cut Slope
C-4.4' El. 55.8'
F-6.5' El. 44.9'
Sta. 5+70
F-2.6' El. 48.8'
F-4.5' El. 46.9'
Topsoil Stockpile
Approx. Toe of Fill Slope
Install 18" Berm
El. 55.1' C-17.7' (Btm. Pit)
C-1.9' El. 53.3'
El. 51.2' F-0.2' HALL
El. 50.0' F-1.4' MASTIFF
C-5.9' El. 57.3'
Sta. 2+60
F-4.4' El. 47.0'
C-2.0' El. 53.4'
Total Pit Capacity W/4' of Freeboard = 10,140 Bbls.± Total Pit Volume = 3,450 Cu. Yds
CUTTINGS PIT (14' Deep)
1:1 Slope
2:1 Slope
NOTE: Earthwork Calculations Require a Fill @ the Location Stakes For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.
Fill Cut Transition Line
Sta. 1+50
Reserve Pit Backfill & Spoils Stockpile
El. 57.7' C-20.3' (Btm. Pit)
C-3.8' El. 55.2'
Round Corners as Needed
C-2.9' El. 54.3'
C-0.8' El. 52.2'
Sta. 0+00
C-9.9' El. 61.3'
F-3.2' El. 48.2'
SECTION 23
SECTION 14
Existing Fence
Install Cattle Guard
Proposed Access Road
Re-Route Fence off Access Road
Elev. Ungraded Ground At MASTIFF Loc. Stake = 2150.0'
FINISHED GRADE ELEV. AT MASTIFF LOC. STAKE = 2151.4'
UINTAH ENGINEERING & LAND SURVEYING

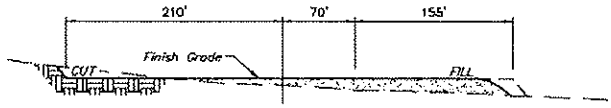
X-Section Scale
1" = 100'
1" = 40'
DATE: 07-20-11
DRAWN BY: C.C.
REVISED: 02-02-12

ENERPLUS RESOURCES (USA) CORPORATION

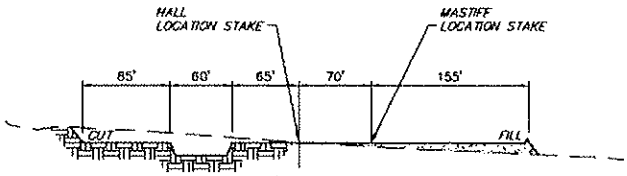
TYPICAL CROSS SECTIONS FOR

MASTIFF #149-94-23BH TF & HALL #23-21H
SECTION 23, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4

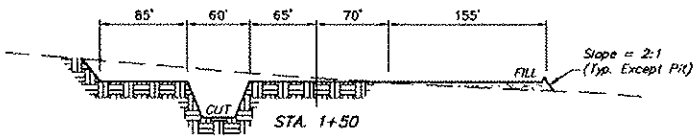
FIGURE #2



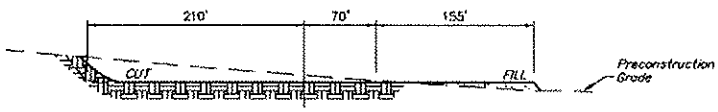
STA. 5+70



STA. 2+60



STA. 1+50



STA. 0+00

APPROXIMATE ACREAGES
WELL SITE AREA OF LOSS = ± 9.299 ACRES
ACCESS ROAD AREA OF LOSS (T695A)= ± 0.504 ACRES
ACCESS ROAD AREA OF LOSS (B43A)= ± 0.310 ACRES
TOTAL = ± 10.113 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	4,940 Cu. Yds.
Remaining Location	=	13,520 Cu. Yds.
Cuttings Pit Cut	=	3,450 Cu. Yds.
TOTAL CUT	=	21,910 CU.YDS.
FILL	=	15,240 CU.YDS.

EXCESS MATERIAL	=	6,670 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	6,670 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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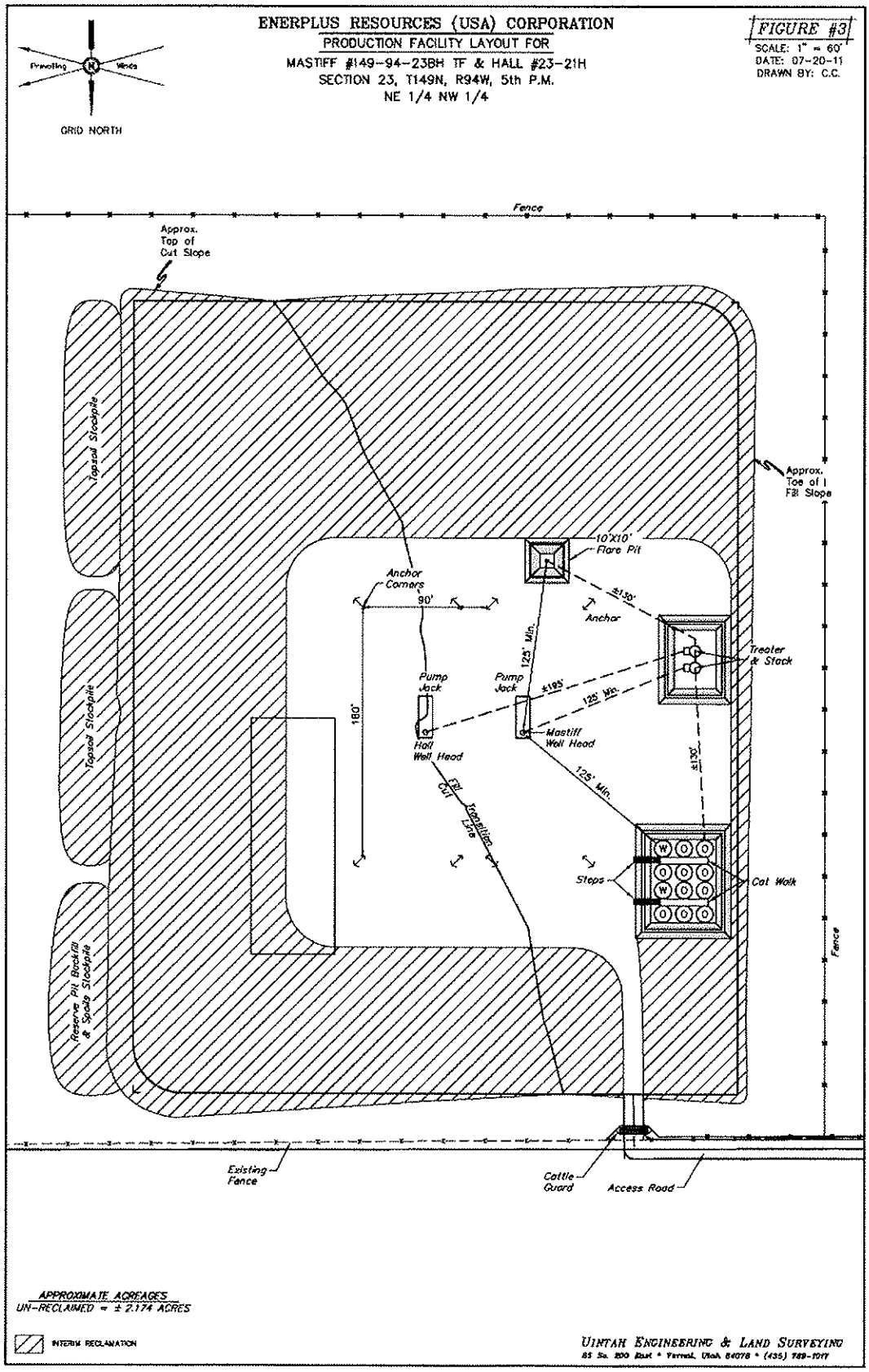
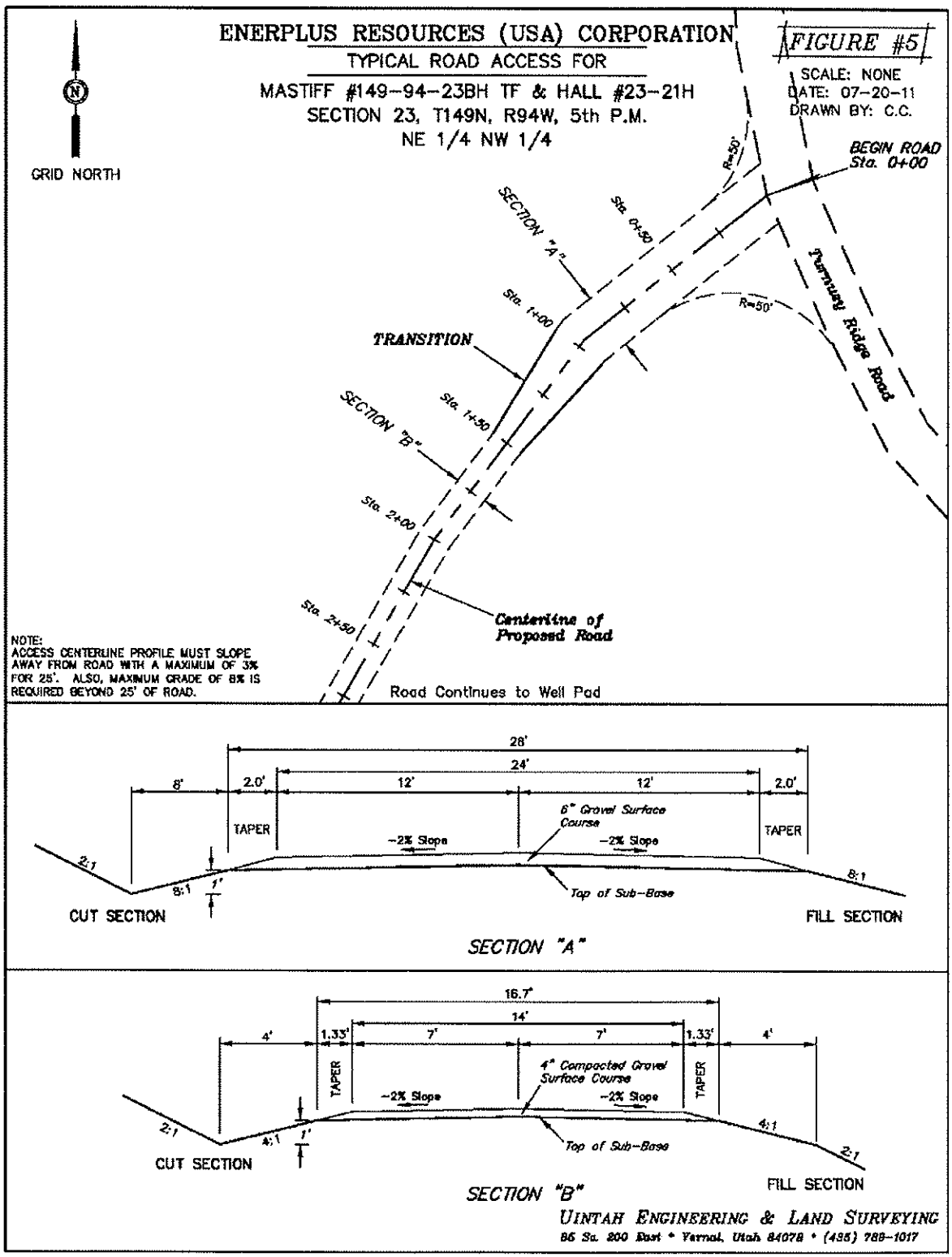
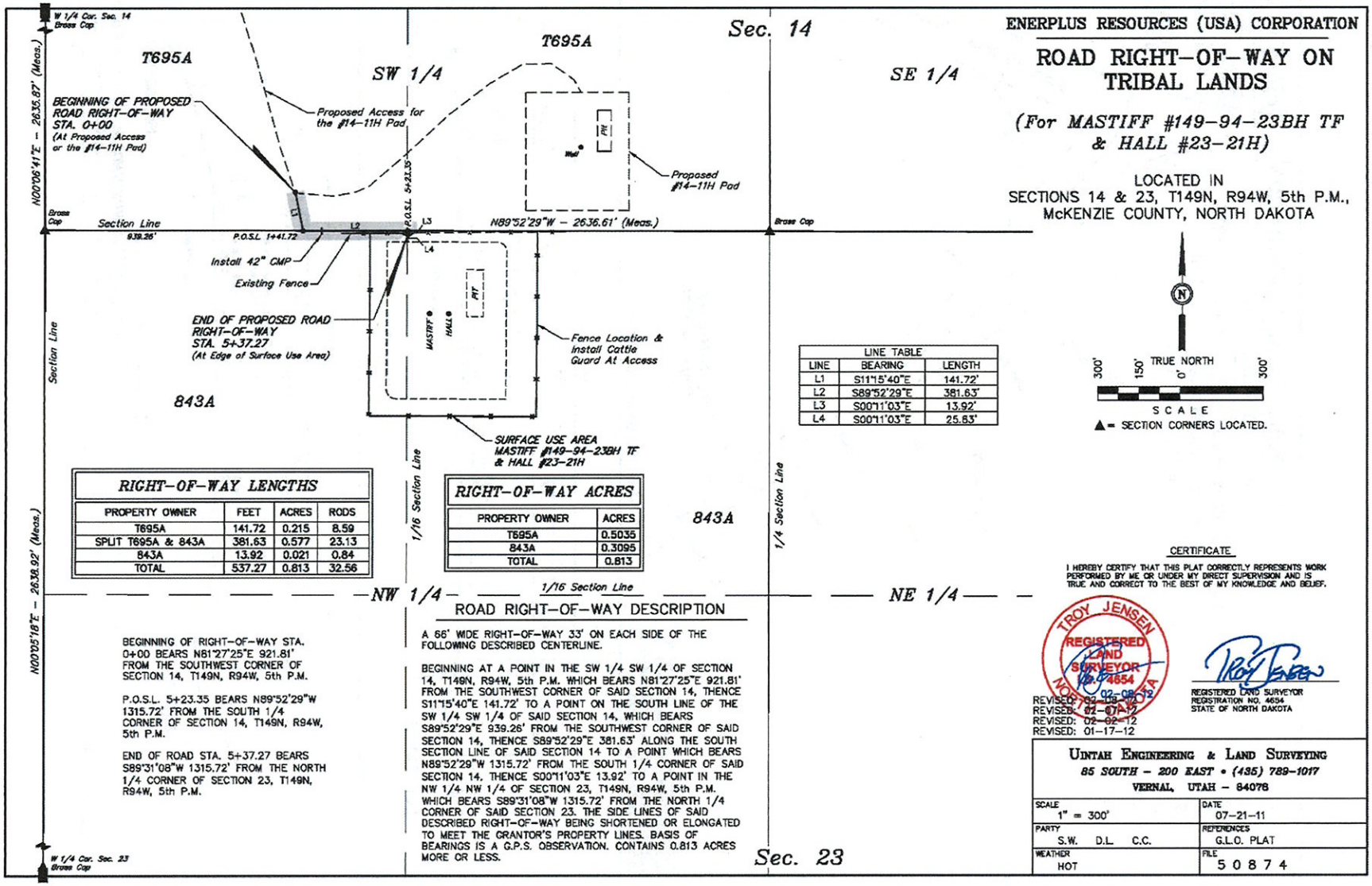

ENERPLUS RESOURCES (USA) CORPORATION
PRODUCTION FACILITY LAYOUT FOR
MASTIFF #149-94-23BH TF & HALL #23-21H
SECTION 23, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #3
SCALE: 1" = 60'
DATE: 07-20-11
DRAWN BY: C.C.
Prevailing Winds
GRID NORTH
Fence
Approx. Top of Cut Slope
Topsoil Stockpile
Topsoil Stockpile
Reserve Pit Backfill & Spoils Stockpile
Approx. Toe of Fill Slope
10'X10' Flare Pit
Anchor Corners
90'
±130'
Anchor
125' Min.
Treater & Stock
Pump Jack
Pump Jack
±195'
125' Min.
180'
Hall Well Head
Mastiff Well Head
125' Min.
±130'
Fill
Cut
Transition Line
Steps
Cat Walk
Fence
Existing Fence
Cattle Guard
Access Road
APPROXIMATE ACREAGES
UN-RECLAIMED = ± 2.174 ACRES
INTERIM RECLAMATION
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017


ENERPLUS RESOURCES (USA) CORPORATION
TYPICAL ROAD ACCESS FOR
MASTIFF #149-94-23BH TF & HALL #23-21H
SECTION 23, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
FIGURE #5
SCALE: NONE
DATE: 07-20-11
DRAWN BY: C.C.
GRID NORTH
BEGIN ROAD
Sta. 0+00
R=50'
SECTION "A"
Sta. 0+50
Sta. 1+00
TRANSITION
Sta. 1+50
SECTION "B"
Sta. 2+00
Sta. 2+50
Centerline of Proposed Road
Pariette Ridge Road
NOTE:
ACCESS CENTERLINE PROFILE MUST SLOPE AWAY FROM ROAD WITH A MAXIMUM OF 3% FOR 25'. ALSO, MAXIMUM GRADE OF 8% IS REQUIRED BEYOND 25' OF ROAD.
Road Continues to Well Pad
28'
24'
8'
2.0'
12'
12'
2.0'
TAPER
TAPER
6" Gravel Surface Course
-2% Slope
-2% Slope
2:1
8:1
1'
8:1
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "A"
16.7'
14'
4'
1.33'
7'
7'
1.33'
4'
TAPER
TAPER
4" Compacted Gravel Surface Course
-2% Slope
-2% Slope
2:1
4:1
1'
4:1
2:1
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "B"
UINTAH ENGINEERING & LAND SURVEYING
86 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
T695A	141.72	0.215	8.59
SPLIT T695A & 843A	381.63	0.577	23.13
843A	13.92	0.021	0.84
TOTAL	537.27	0.813	32.56

RIGHT-OF-WAY ACRES	
PROPERTY OWNER	ACRES
T695A	0.5035
843A	0.3095
TOTAL	0.813

LINE TABLE		
LINE	BEARING	LENGTH
L1	S11°15'40"E	141.72'
L2	S89°52'29"E	381.63'
L3	S00°11'03"E	13.92'
L4	S00°11'03"E	25.83'

BEGINNING OF RIGHT-OF-WAY STA. 0+00 BEARS N81°27'25"E 921.81' FROM THE SOUTHWEST CORNER OF SECTION 14, T149N, R94W, 5th P.M.

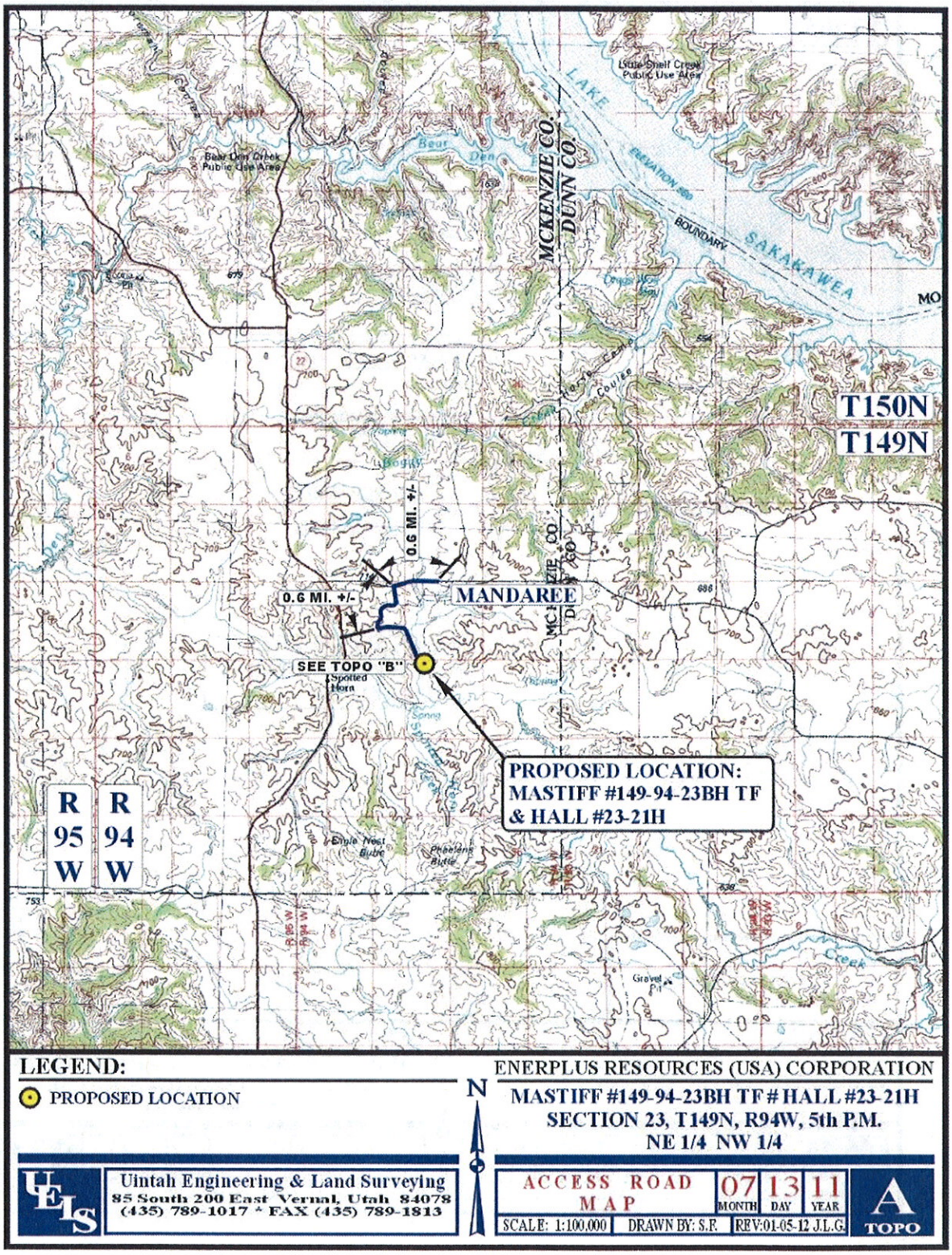
P.O.S.L. 5+23.35 BEARS N89°52'29"W 1315.72' FROM THE SOUTH 1/4 CORNER OF SECTION 14, T149N, R94W, 5th P.M.

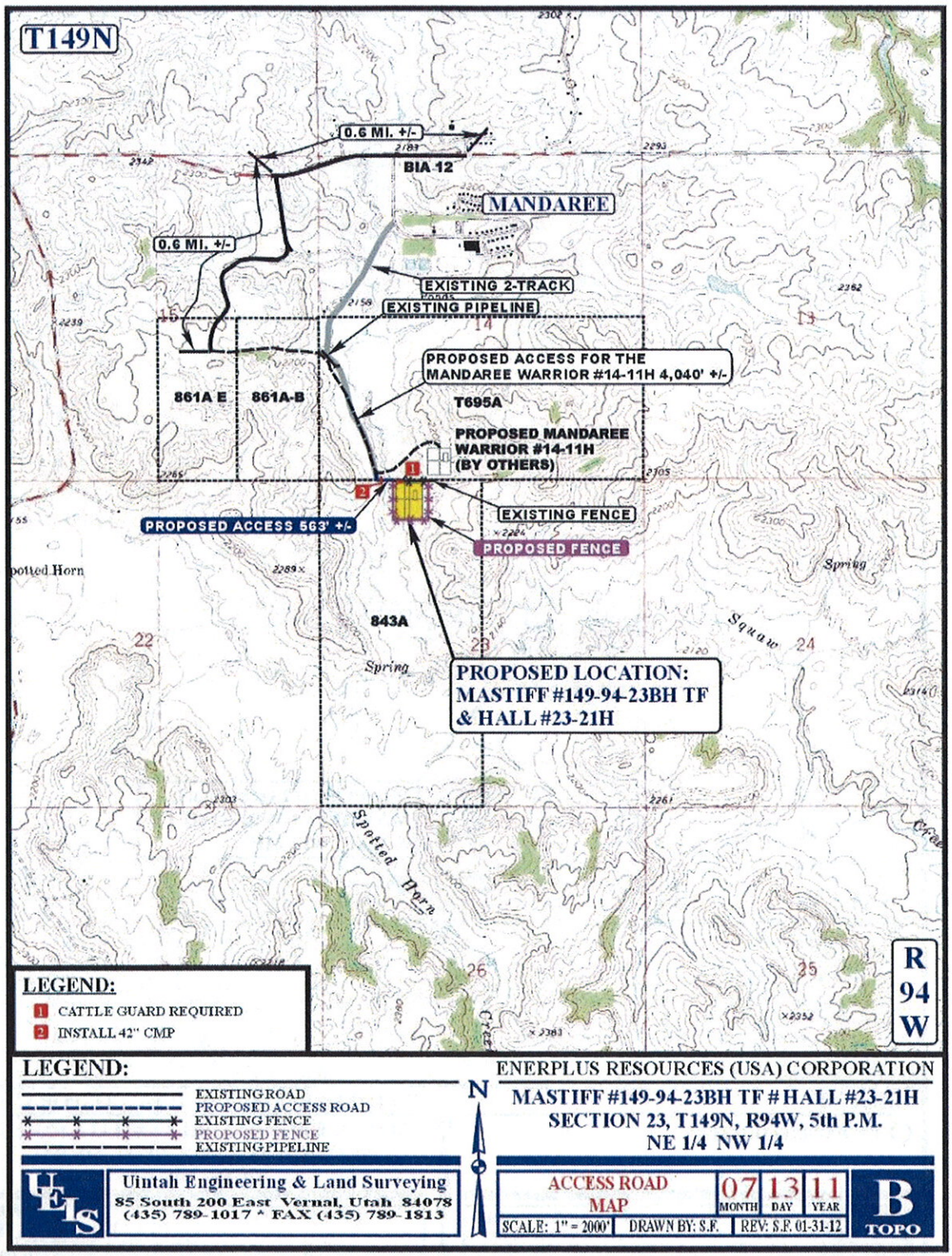
END OF ROAD STA. 5+37.27 BEARS S89°31'08"W 1315.72' FROM THE NORTH 1/4 CORNER OF SECTION 23, T149N, R94W, 5th P.M.

ROAD RIGHT-OF-WAY DESCRIPTION

A 66' WIDE RIGHT-OF-WAY 33' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 14, T149N, R94W, 5th P.M. WHICH BEARS N81°27'25"E 921.81' FROM THE SOUTHWEST CORNER OF SAID SECTION 14, THENCE S11°15'40"E 141.72' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 SW 1/4 OF SAID SECTION 14, WHICH BEARS S89°52'29"E 939.26' FROM THE SOUTHWEST CORNER OF SAID SECTION 14, THENCE S89°52'29"E 381.63' ALONG THE SOUTH SECTION LINE OF SAID SECTION 14 TO A POINT WHICH BEARS N89°52'29"W 1315.72' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 14, THENCE S00°11'03"E 13.92' TO A POINT IN THE NW 1/4 NW 1/4 OF SECTION 23, T149N, R94W, 5th P.M. WHICH BEARS S89°31'08"W 1315.72' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.813 ACRES MORE OR LESS.


MCKENZIE CO.
DUNN CO.
LAKE
SAKAKAWEA
BOUNDARY
T150N
T149N
0.6 MI. +/-
0.6 MI. +/-
MANDAREE
SEE TOPO "B"
PROPOSED LOCATION:
MASTIFF #149-94-23BH TF
& HALL #23-21H
R 95 W
R 94 W
LEGEND:
PROPOSED LOCATION
N
ENERPLUS RESOURCES (USA) CORPORATION
MASTIFF #149-94-23BH TF # HALL #23-21H
SECTION 23, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD MAP
07 MONTH
13 DAY
11 YEAR
SCALE: 1:100,000
DRAWN BY: S.F.
REV:01-05-12 J.L.G.
A TOPO


T149N
0.6 MI. +/-
BIA 12
MANDAREE
0.6 MI. +/-
EXISTING 2-TRACK
EXISTING PIPELINE
PROPOSED ACCESS FOR THE MANDAREE WARRIOR #14-11H 4,040' +/-
861A E
861A-B
T695A
PROPOSED MANDAREE WARRIOR #14-11H (BY OTHERS)
PROPOSED ACCESS 563' +/-
EXISTING FENCE
PROPOSED FENCE
Spotted Horn
843A
Spring
Squaw
Spring
PROPOSED LOCATION: MASTIFF #149-94-23BH TF & HALL #23-21H
Spotted Horn
R 94 W
LEGEND:
1 CATTLE GUARD REQUIRED
2 INSTALL 42" CMP
LEGEND:
EXISTING ROAD
PROPOSED ACCESS ROAD
EXISTING FENCE
PROPOSED FENCE
EXISTING PIPELINE
N
ENERPLUS RESOURCES (USA) CORPORATION
MASTIFF #149-94-23BH TF # HALL #23-21H
SECTION 23, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD MAP
07 MONTH
13 DAY
11 YEAR
B TOPO
SCALE: 1" = 2000'
DRAWN BY: S.F.
REV: S.F. 01-31-12

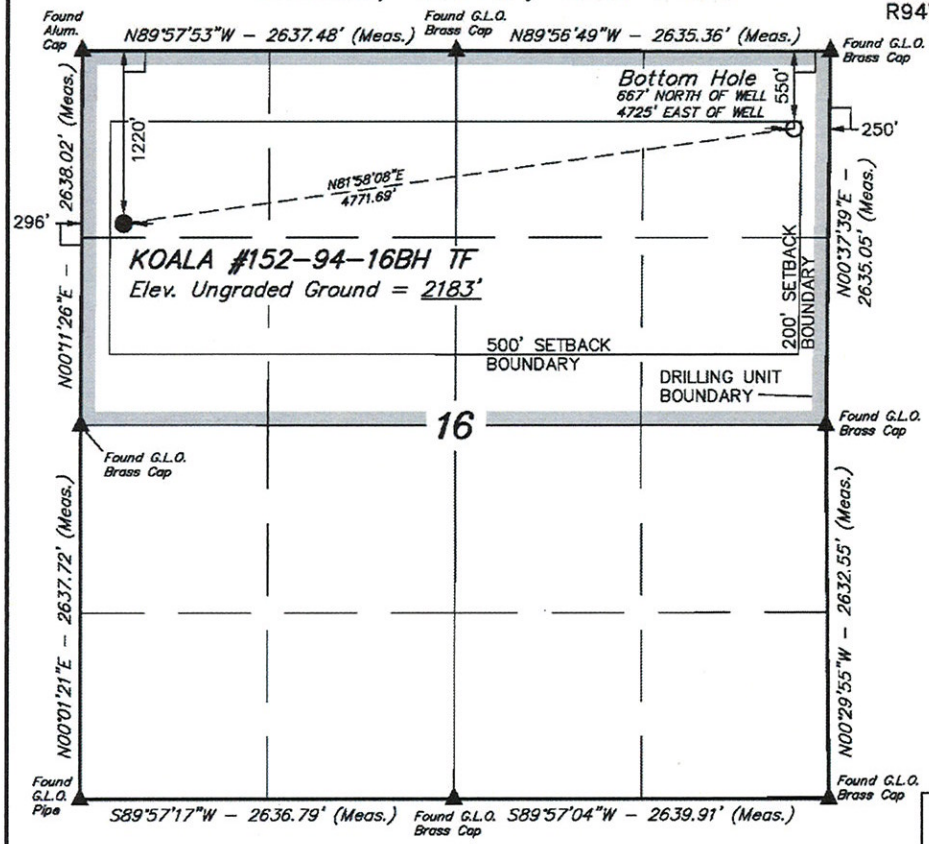
APPENDIX D

Plats, Drawings, and Diagrams for the Koala #152-94-16BH TF and Fool Bear #16-12H Well Pad

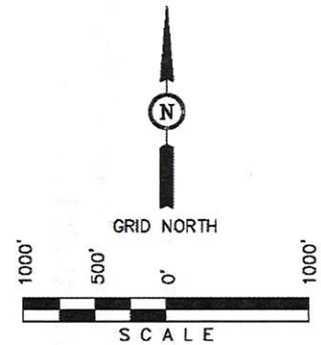
WELL LOCATION PLAT
T152N, R94W, 5th P.M.

ENERPLUS RESOURCES (USA) CORPORATION

Well location, KOALA #152-94-16BH TF, located as shown in the NW 1/4 NW 1/4 of Section 16, T152N, R94W, 5th P.M., McKenzie County, North Dakota.



VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 07-12 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

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

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°59'26.43" (47.990675) LONGITUDE = 102°42'30.21" (102.708392)	LATITUDE = 47°59'19.76" (47.988822) LONGITUDE = 102°43'39.64" (102.727678)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°59'26.36" (47.990656) LONGITUDE = 102°42'28.54" (102.707928)	LATITUDE = 47°59'19.69" (47.988803) LONGITUDE = 102°43'37.97" (102.727214)

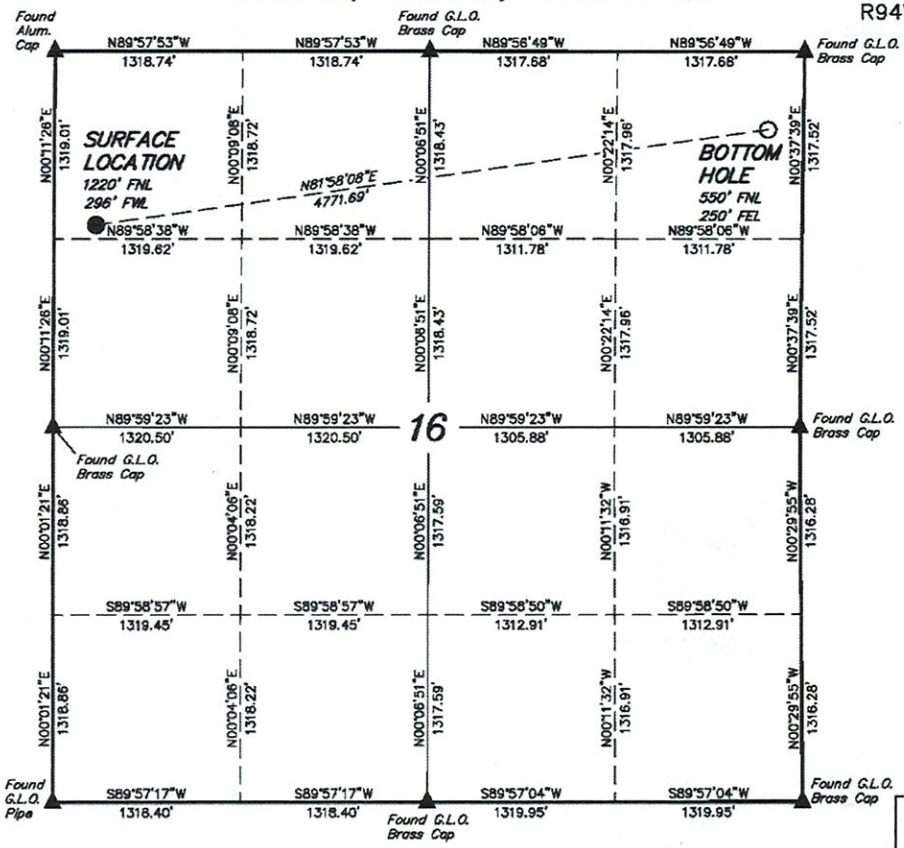
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-24-11	DATE DRAWN: 07-07-11
PARTY S.J.W. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE ENERPLUS RESOURCES (USA) CORPORATION	

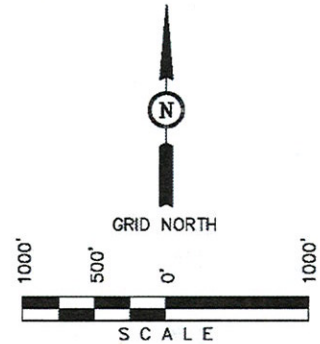
SECTION BREAKDOWN
T152N, R94W, 5th P.M.

ENERPLUS RESOURCES (USA) CORPORATION

Well location, KOALA #152-94-16BH TF, located as shown in the NW 1/4 NW 1/4 of Section 16, T152N, R94W, 5th P.M., McKenzie County, North Dakota.



VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

TROY JENSEN REGISTERED LAND SURVEYOR REG. NO. 4654 07-12-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

LEGEND:

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

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

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LATITUDE = 47°59'26.43" (47.990675) LONGITUDE = 102°42'30.21" (102.708392)	LATITUDE = 47°59'19.76" (47.988822) LONGITUDE = 102°43'39.64" (102.727678)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
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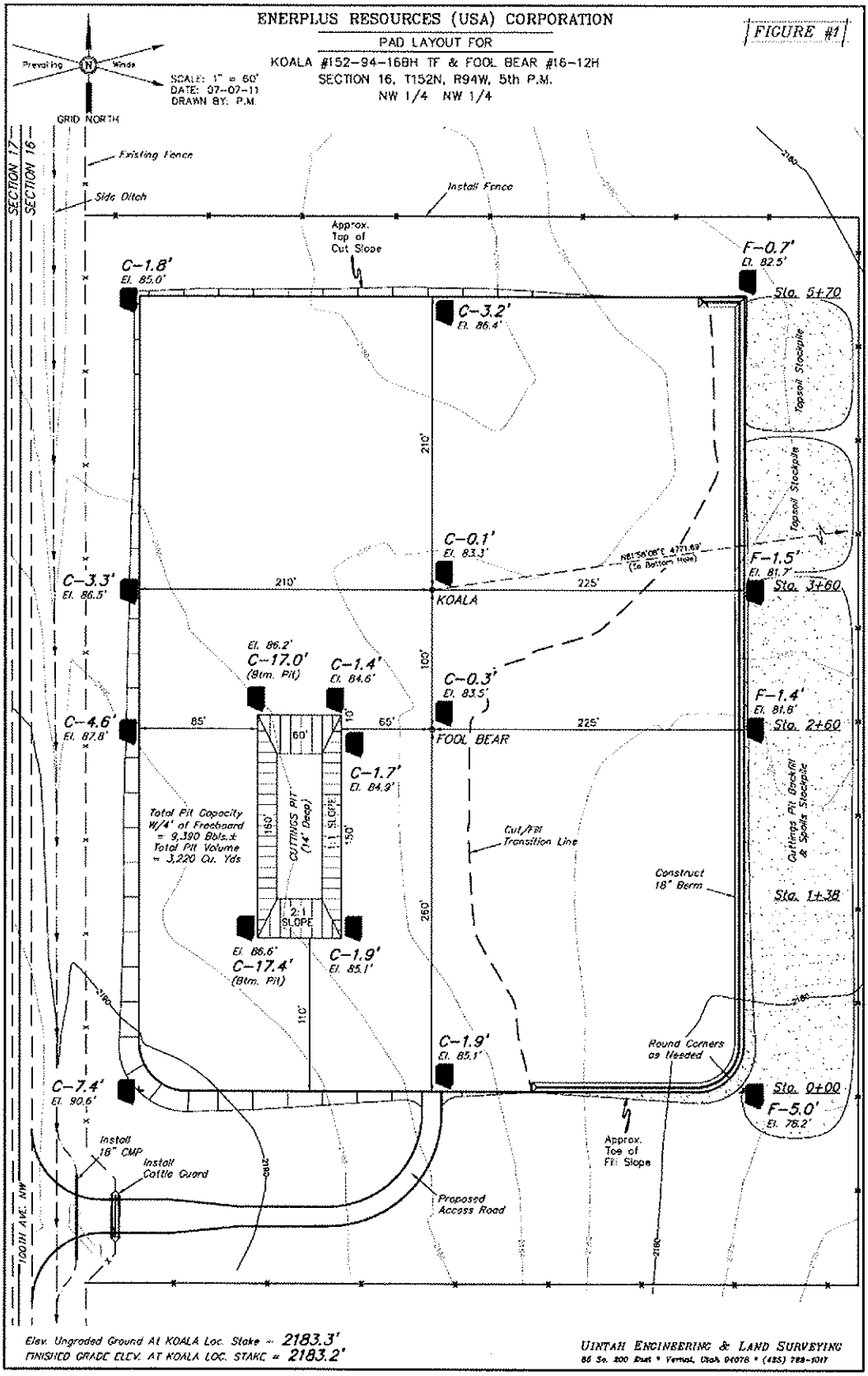
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE: 1" = 1000'	DATE SURVEYED: 06-24-11	DATE DRAWN: 07-07-11
PARTY: S.J.W. P.M.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: ENERPLUS RESOURCES (USA) CORPORATION	


ENERPLUS RESOURCES (USA) CORPORATION
PAD LAYOUT FOR
KOALA #152-94-16BH TF & FOOL BEAR #16-12H
SECTION 16, T152N, R94W, 5th P.M.
NW 1/4 NW 1/4
FIGURE #1
Prevailing Winds
SCALE: 1" = 60'
DATE: 07-07-11
DRAWN BY: P.M.
GRID NORTH
SECTION 17
SECTION 16
Existing Fence
Side Ditch
Install Fence
Approx. Top of Cut Slope
C-1.8' El. 85.0'
C-3.2' El. 86.4'
F-0.7' El. 82.5'
Sta. 5+70
Topsoil Stockpile
C-0.1' El. 83.3'
C-3.3' El. 86.5'
F-1.5' El. 81.7'
Sta. 3+60
KOALA
El. 86.2' C-17.0' (Btm. Pit)
C-1.4' El. 84.6'
C-0.3' El. 83.5'
F-1.4' El. 81.8'
Sta. 2+60
C-4.6' El. 87.8'
FOOL BEAR
C-1.7' El. 84.9'
Total Pit Capacity W/4' of Freeboard = 9,390 Bbls.± Total Pit Volume = 3,220 Cu. Yds
CUTTINGS PIT (14' Deep)
1:1 SLOPE
2:1 SLOPE
Cut/Fill Transition Line
Construct 18" Berm
Cuttings Pit Backfill & Spoils Stockpile
Sta. 1+38
El. 86.6' C-17.4' (Btm. Pit)
C-1.9' El. 85.1'
C-1.9' El. 85.1'
Round Corners as Needed
C-7.4' El. 90.6'
Sta. 0+00
F-5.0' El. 78.2'
Install 18" CMP
Install Cattle Guard
Approx. Toe of Fill Slope
Proposed Access Road
100TH AVE. NW
Elev. Ungraded Ground At KOALA Loc. Stake = 2183.3'
FINISHED GRADE ELEV. AT KOALA LOC. STAKE = 2183.2'
UINTAH ENGINEERING & LAND SURVEYING

1" = 40'
X-Section Scale
1" = 100'

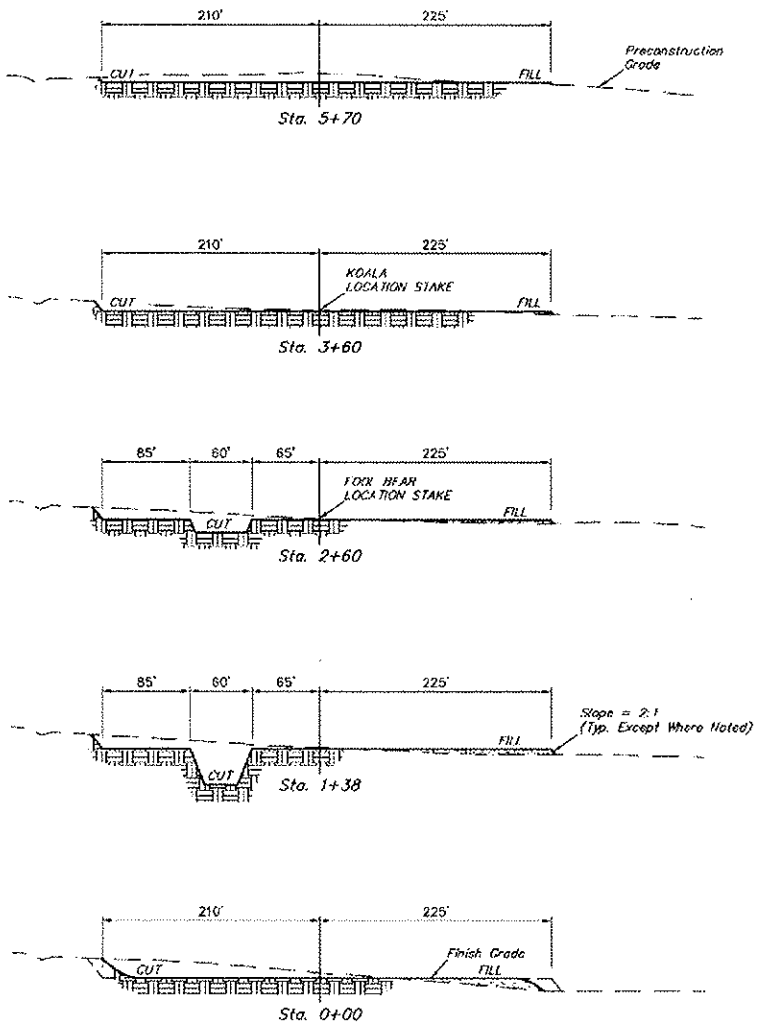
DATE: 07-07-11
DRAWN BY: P.M.

ENERPLUS RESOURCES (USA) CORPORATION

TYPICAL CROSS SECTIONS FOR

KOALA #152-94-16BH TF & FOOL BEAR #16-12H
SECTION 16, T152N, R94W, 5th P.M.
NW 1/4 NW 1/4

FIGURE #2



APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	4,850 Cu. Yds.
Remaining Location	=	11,630 Cu. Yds.
Reserve Pit Cut	=	3,220 Cu. Yds.
TOTAL CUT	=	19,700 CU.YDS.
FILL	=	4,970 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL	=	14,730 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	6,460 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	8,270 Cu. Yds.

APPROXIMATE ACREAGES
WELL SITE AREA OF LOSS = ± 9.772 ACRES
TOTAL = ± 9.772 ACRES

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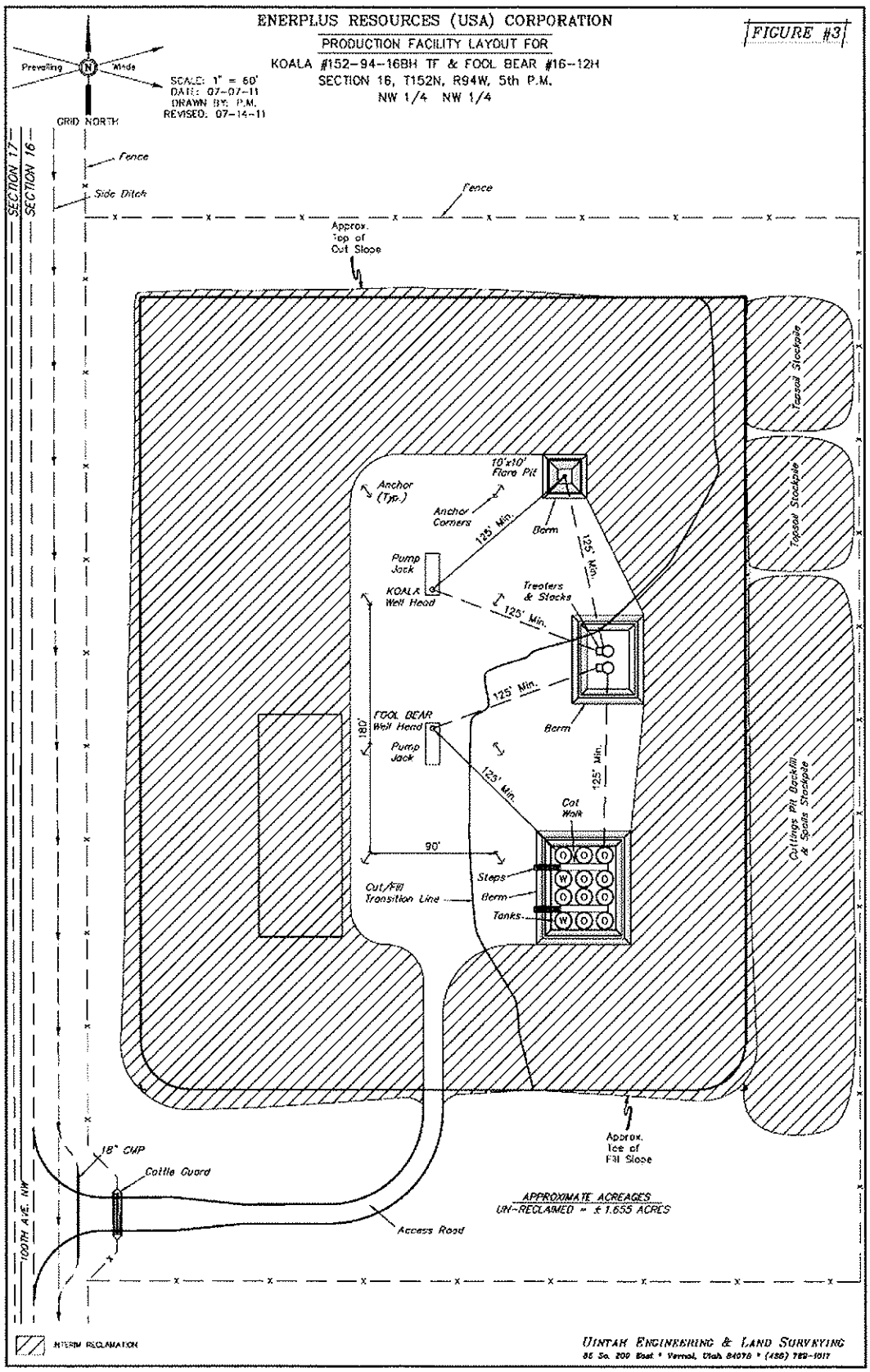
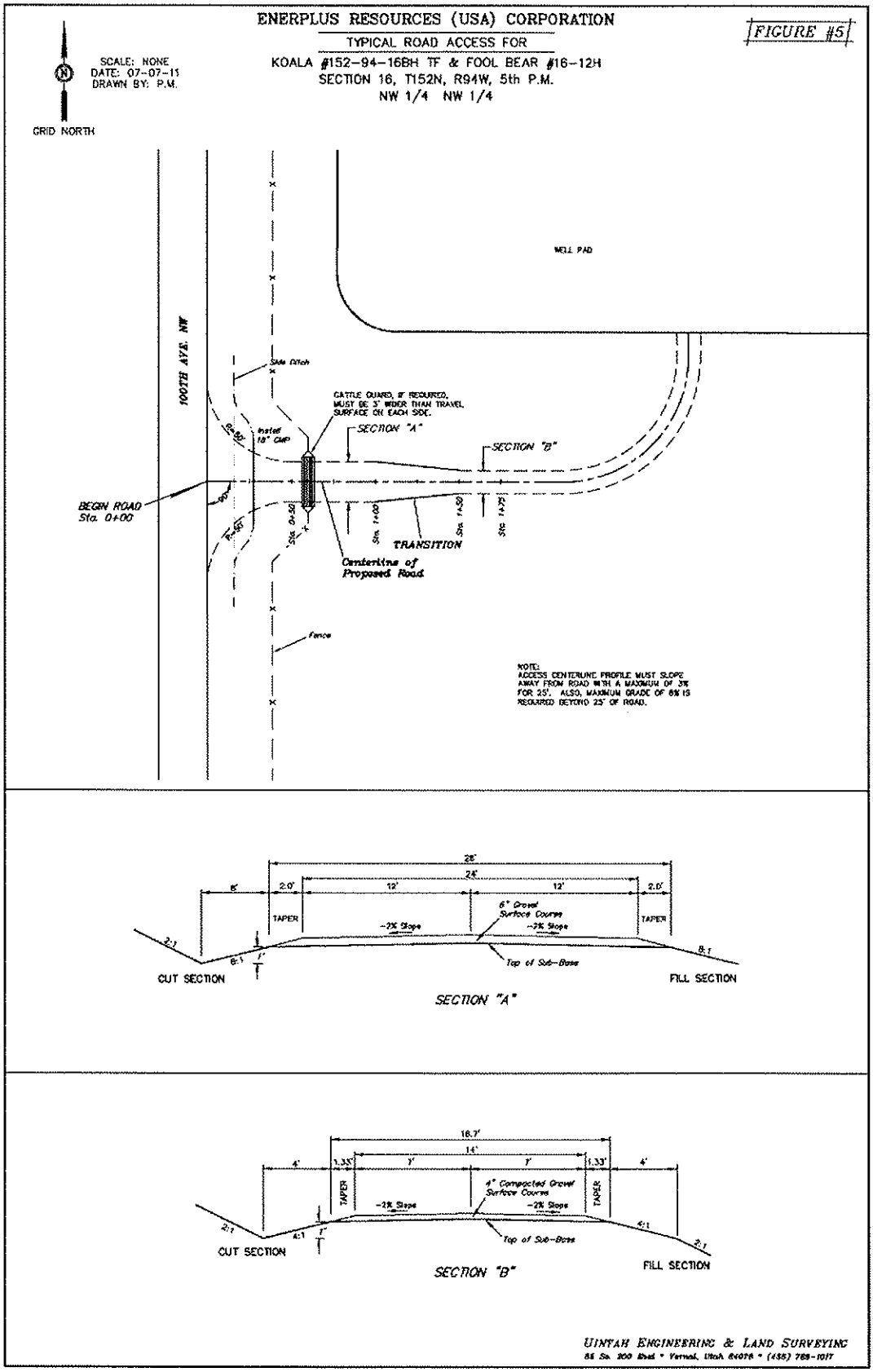
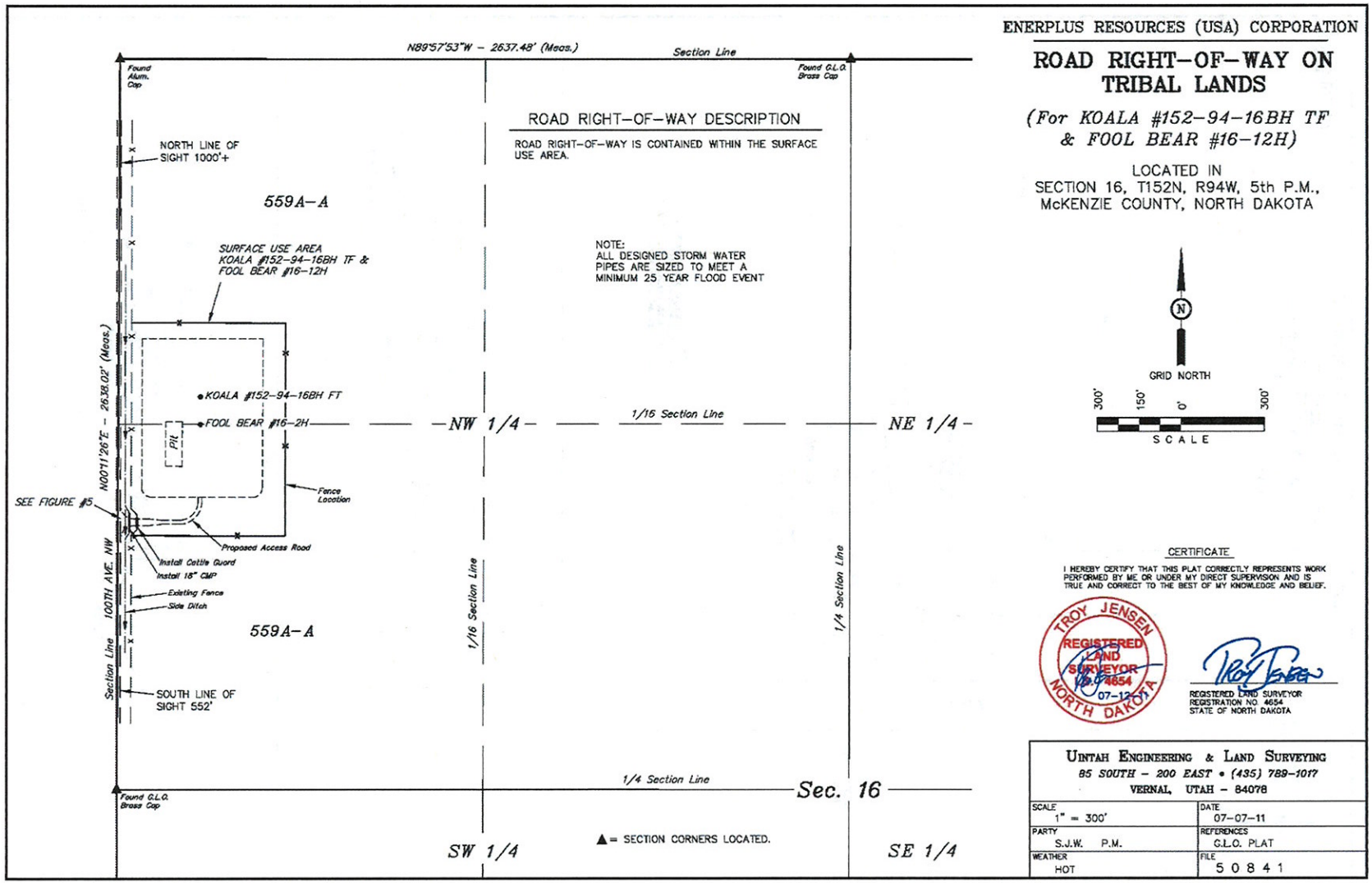
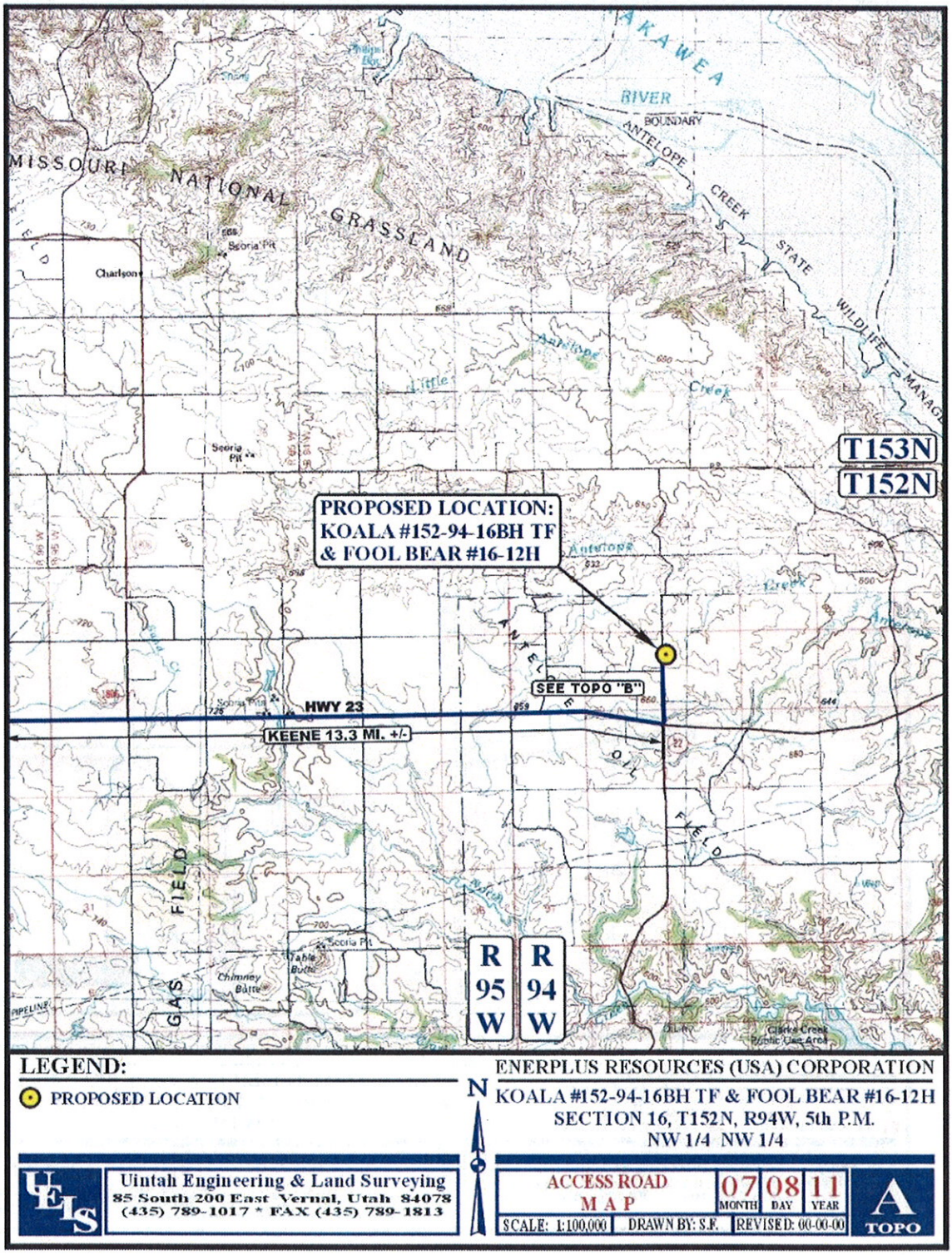
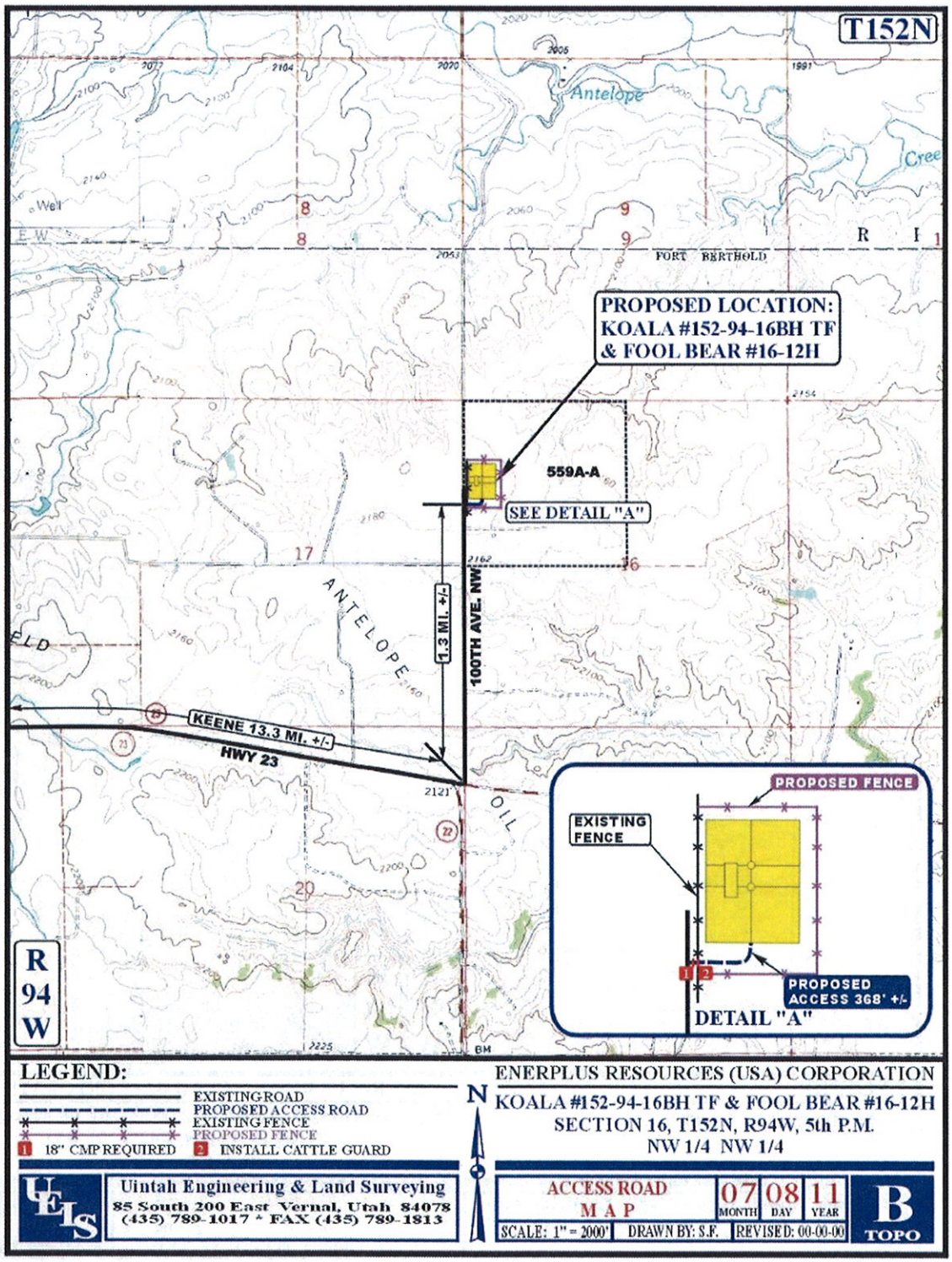

ENERPLUS RESOURCES (USA) CORPORATION
PRODUCTION FACILITY LAYOUT FOR
KOALA #152-94-16BH TF & FOOL BEAR #16-12H
SECTION 16, T152N, R94W, 5th P.M.
NW 1/4 NW 1/4
FIGURE #3
Prevailing Winds
SCALE: 1" = 60'
DATE: 07-07-11
DRAWN BY: P.M.
REVISED: 07-14-11
GRID NORTH
SECTION 17
SECTION 16
Fence
Side Ditch
Fence
Approx. Top of Cut Slope
Topsoil Stockpile
Topsoil Stockpile
Cuttings Pit Backfill & Spoils Stockpile
10'x10' Flare Pit
Anchor (Typ.)
Anchor Corners
125' Min.
Berm
125' Min.
Pump Jack
KOALA Well Head
Treaters & Stacks
125' Min.
125' Min.
FOOL BEAR Well Head
Pump Jack
180'
Berm
125' Min.
125' Min.
Cat Walk
90'
Steps
Cut/Fill Transition Line
Berm
Tanks
Approx. Toe of Fill Slope
18" CMP
Cattle Guard
APPROXIMATE ACREAGES
UN-RECLAIMED = ± 1.655 ACRES
Access Road
100TH AVE. NW
INTERIM RECLAMATION
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017


ENERPLUS RESOURCES (USA) CORPORATION
TYPICAL ROAD ACCESS FOR
KOALA #152-94-16BH TF & FOOL BEAR #16-12H
SECTION 16, T152N, R94W, 5th P.M.
NW 1/4 NW 1/4
FIGURE #5
SCALE: NONE
DATE: 07-07-11
DRAWN BY: P.M.
GRID NORTH
WELL PAD
100TH AVE. NW
Side Ditch
CATTLE GUARD, IF REQUIRED, MUST BE 3' WIDER THAN TRAVEL SURFACE ON EACH SIDE.
Install 18" CMP
SECTION "A"
SECTION "B"
BEGIN ROAD Sta. 0+00
TRANSITION
Centerline of Proposed Road
Fence
NOTE:
ACCESS CENTERLINE PROFILE MUST SLOPE AWAY FROM ROAD WITH A MAXIMUM OF 3% FOR 25'. ALSO, MAXIMUM GRADE OF 6% IS REQUIRED BEYOND 25' OF ROAD.
28'
24'
12'
12'
2.0'
2.0'
8'
TAPER
TAPER
6" Gravel Surface Course
-2% Slope
-2% Slope
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "A"
16.7'
14'
7'
7'
4'
4'
1.33'
1.33'
TAPER
TAPER
4" Compacted Gravel Surface Course
-2% Slope
-2% Slope
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "B"
UINTAH ENGINEERING & LAND SURVEYING


ENERPLUS RESOURCES (USA) CORPORATION
ROAD RIGHT-OF-WAY ON TRIBAL LANDS
(For KOALA #152-94-16BH TF & FOOL BEAR #16-12H)
LOCATED IN
SECTION 16, T152N, R94W, 5th P.M.,
McKENZIE COUNTY, NORTH DAKOTA
N89°57'53"W - 2637.48' (Meas.)
Section Line
Found Alum. Cap
Found G.L.O. Brass Cap
ROAD RIGHT-OF-WAY DESCRIPTION
ROAD RIGHT-OF-WAY IS CONTAINED WITHIN THE SURFACE USE AREA.
NOTE:
ALL DESIGNED STORM WATER PIPES ARE SIZED TO MEET A MINIMUM 25 YEAR FLOOD EVENT
NORTH LINE OF SIGHT 1000'+
559A-A
SURFACE USE AREA
KOALA #152-94-16BH TF & FOOL BEAR #16-12H
KOALA #152-94-16BH FT
FOOL BEAR #16-2H
PIT
NW 1/4
1/16 Section Line
NE 1/4
N00°11'26"E - 2638.02' (Meas.)
SEE FIGURE #5
Fence Location
Proposed Access Road
Install Cattle Guard
Install 18" CMP
Existing Fence
Side Ditch
100TH AVE. NW
Section Line
1/16 Section Line
1/4 Section Line
559A-A
SOUTH LINE OF SIGHT 552'
1/4 Section Line
Sec. 16
Found G.L.O. Brass Cap
SW 1/4
▲= SECTION CORNERS LOCATED.
SE 1/4
GRID NORTH
300' 150' 0' 300'
SCALE
CERTIFICATE
I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
TROY JENSEN
REGISTERED LAND SURVEYOR
NO. 4654
07-12
NORTH DAKOTA
REGISTERED LAND SURVEYOR
REGISTRATION NO 4654
STATE OF NORTH DAKOTA
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078
SCALE 1" = 300'
DATE 07-07-11
PARTY S.J.W. P.M.
REFERENCES G.L.O. PLAT
WEATHER HOT
FILE 50841

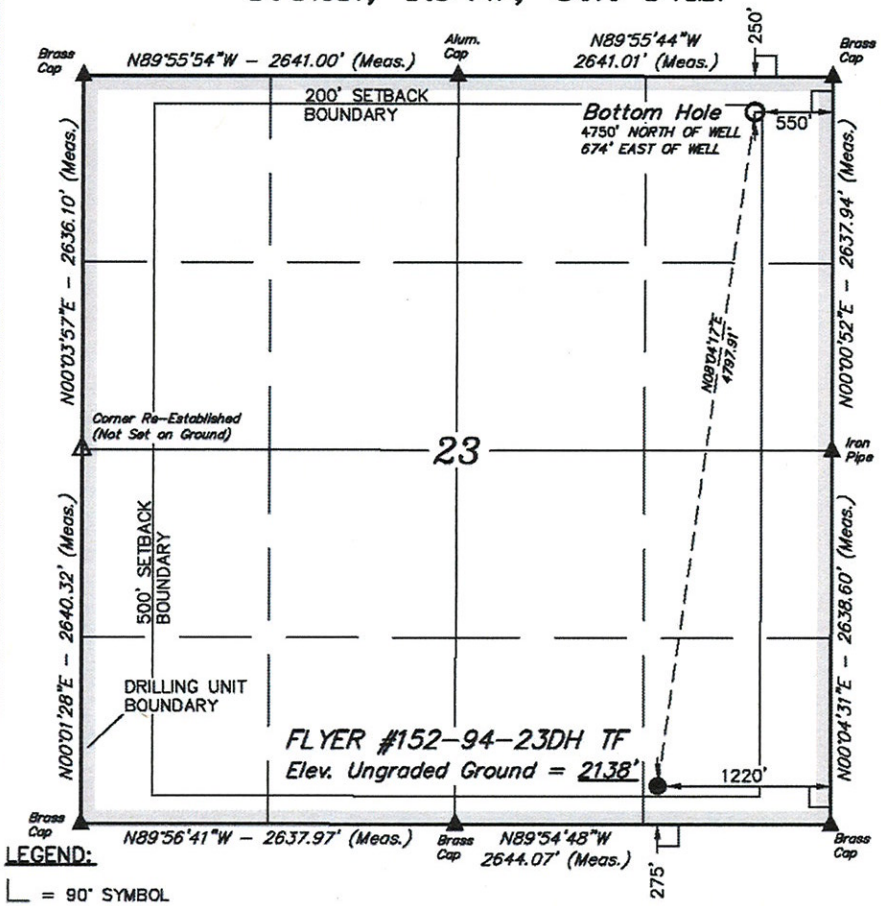

MISSOURI NATIONAL GRASSLAND
RIVER
BOUNDARY
ANTELOPE CREEK
STATE WILDLIFE MANAGE
Charlson
Scoria Pit
Little Antelope Creek
T153N
T152N
PROPOSED LOCATION:
KOALA #152-94-16BH TF
& FOOL BEAR #16-12H
SEE TOPO "B"
HWY 23
KEENE 13.3 MI. +/-
ANTELOPE CREEK OIL FIELD
GAS FIELD
Table Butte
Chimney Butte
R 95 W
R 94 W
LEGEND:
PROPOSED LOCATION
N
ENERPLUS RESOURCES (USA) CORPORATION
KOALA #152-94-16BH TF & FOOL BEAR #16-12H
SECTION 16, T152N, R94W, 5th P.M.
NW 1/4 NW 1/4
UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD MAP
07 MONTH
08 DAY
11 YEAR
SCALE: 1:100,000
DRAWN BY: S.F.
REVISED: 00-00-00
A TOPO


T152N
Antelope
Cree
FORT BERTHOLD
PROPOSED LOCATION:
KOALA #152-94-16BH TF
& FOOL BEAR #16-12H
559A-A
SEE DETAIL "A"
1.3 MI. +/-
100TH AVE. NW
ANTELOPE
KEENE 13.3 MI. +/-
HWY 23
OIL
R
94
W
PROPOSED FENCE
EXISTING FENCE
PROPOSED ACCESS 368' +/-
DETAIL "A"
LEGEND:
EXISTING ROAD
PROPOSED ACCESS ROAD
EXISTING FENCE
PROPOSED FENCE
1 18" CMP REQUIRED
2 INSTALL CATTLE GUARD
N
ENERPLUS RESOURCES (USA) CORPORATION
KOALA #152-94-16BH TF & FOOL BEAR #16-12H
SECTION 16, T152N, R94W, 5th P.M.
NW 1/4 NW 1/4
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD
MAP
07 MONTH
08 DAY
11 YEAR
B
TOPO
SCALE: 1" = 2000'
DRAWN BY: S.F.
REVISED: 00-00-00

APPENDIX E

Plats, Drawings, and Diagrams for the Flyer #152-94-23DH TF and Fool Bear #23-34H Well Pad

WELL LOCATION PLAT
T152N, R94W, 5th P.M.



LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

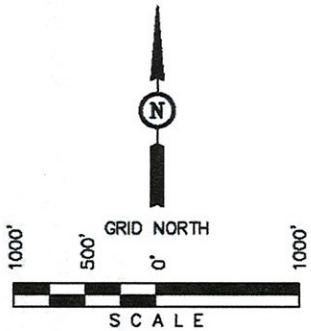
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°58'37.42" (47.977061)	LATITUDE = 47°57'50.54" (47.964039)
LONGITUDE = 102°39'59.34" (102.666483)	LONGITUDE = 102°40'09.14" (102.669206)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°58'37.36" (47.977044)	LATITUDE = 47°57'50.47" (47.964019)
LONGITUDE = 102°39'57.67" (102.666019)	LONGITUDE = 102°40'07.47" (102.668742)

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

ENERPLUS RESOURCES (USA) CORPORATION

Well location, FLYER #152-94-23DH TF, located as shown in the SE 1/4 SE 1/4 of Section 23, T152N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

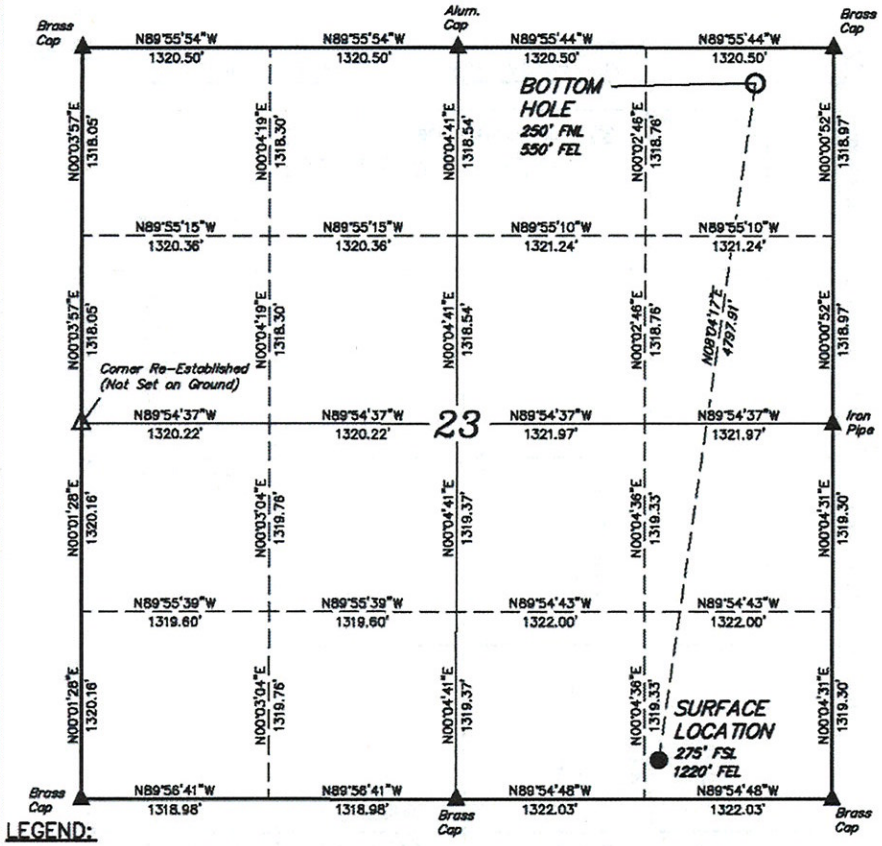
TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 07-22-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	06-30-11	07-19-11
PARTY: S.W. S.H. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: ENERPLUS RESOURCES (USA) CORPORATION	

SECTION BREAKDOWN
T152N, R94W, 5th P.M.



LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

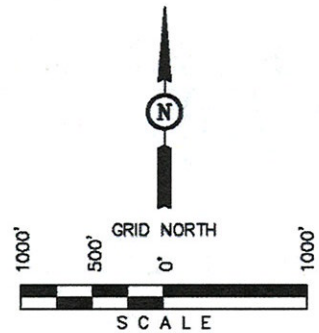
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°58'37.42" (47.977061)	LATITUDE = 47°57'50.54" (47.964039)
LONGITUDE = 102°39'59.34" (102.666483)	LONGITUDE = 102°40'09.14" (102.669206)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°58'37.36" (47.977044)	LATITUDE = 47°57'50.47" (47.964019)
LONGITUDE = 102°39'57.67" (102.666019)	LONGITUDE = 102°40'07.47" (102.668742)

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

ENERPLUS RESOURCES (USA) CORPORATION

Well location, FLYER #152-94-23DH TF, located as shown in the SE 1/4 SE 1/4 of Section 23, T152N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

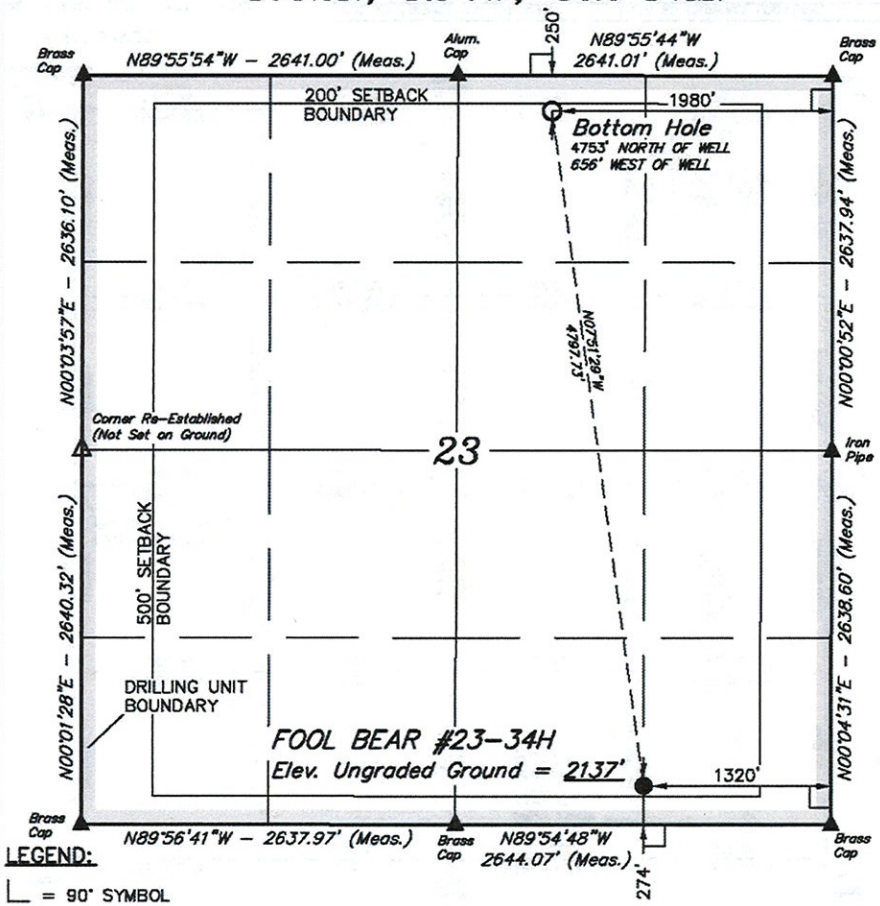
TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 07-22-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	06-30-11	07-19-11
PARTY: S.W. S.H. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: ENERPLUS RESOURCES (USA) CORPORATION	

WELL LOCATION PLAT
T152N, R94W, 5th P.M.



LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

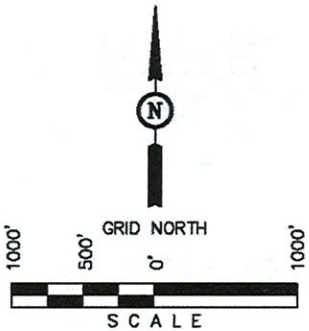
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°58'37.42" (47.977061)	LATITUDE = 47°57'50.53" (47.964036)
LONGITUDE = 102°40'20.35" (102.672319)	LONGITUDE = 102°40'10.61" (102.669614)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°58'37.35" (47.977042)	LATITUDE = 47°57'50.47" (47.964019)
LONGITUDE = 102°40'18.68" (102.671856)	LONGITUDE = 102°40'08.95" (102.669153)

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

ENERPLUS RESOURCES (USA) CORPORATION

Well location, FOOL BEAR #23–34H, located as shown in the SE 1/4 SE 1/4 of Section 23, T152N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

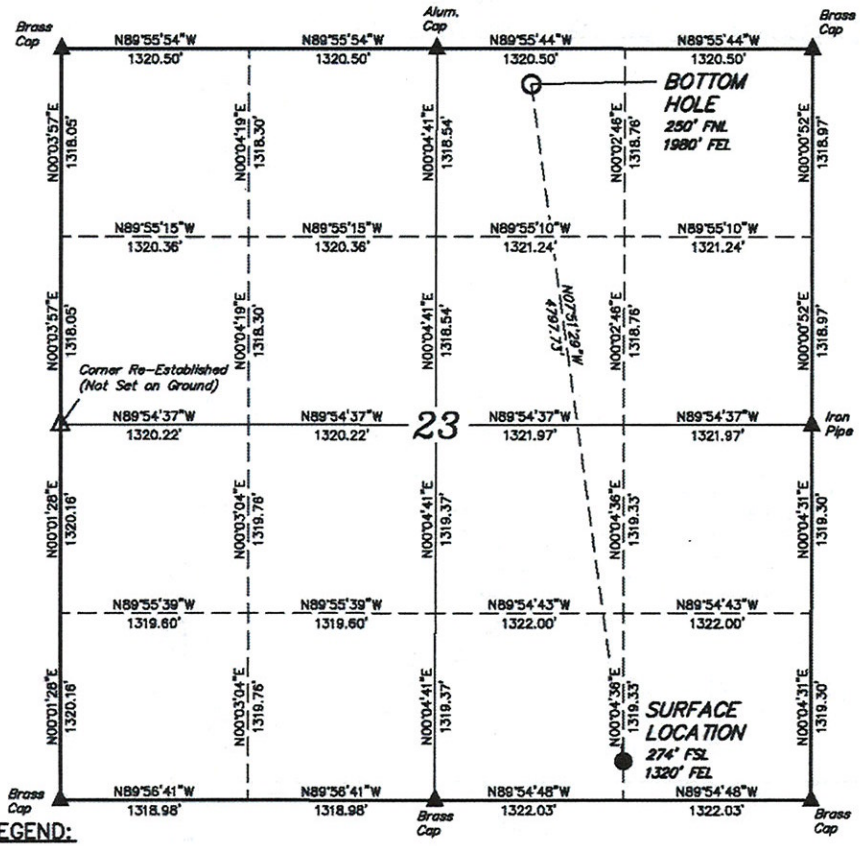
TROY JENSEN REGISTERED LAND SURVEYOR No. 4654 07-22-11 NORTH DAKOTA

REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

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

SCALE 1" = 1000'	DATE SURVEYED: 06–30–11	DATE DRAWN: 07–19–11
PARTY S.W. S.H. C.C.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE ENERPLUS RESOURCES (USA) CORPORATION	

SECTION BREAKDOWN
T152N, R94W, 5th P.M.



LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

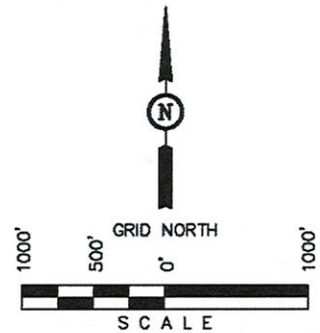
NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 47°58'37.42" (47.977061)	LATITUDE = 47°57'50.53" (47.964036)
LONGITUDE = 102°40'20.35" (102.672319)	LONGITUDE = 102°40'10.61" (102.669614)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 47°58'37.35" (47.977042)	LATITUDE = 47°57'50.47" (47.964019)
LONGITUDE = 102°40'18.68" (102.671856)	LONGITUDE = 102°40'08.95" (102.669153)

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000)]

ENERPLUS RESOURCES (USA) CORPORATION

Well location, FOOL BEAR #23-34H, located as shown in the SE 1/4 SE 1/4 of Section 23, T152N, R94W, 5th P.M., McKenzie County, North Dakota.

VERTICAL CONTROL DATUM: NAVD88



CERTIFICATE

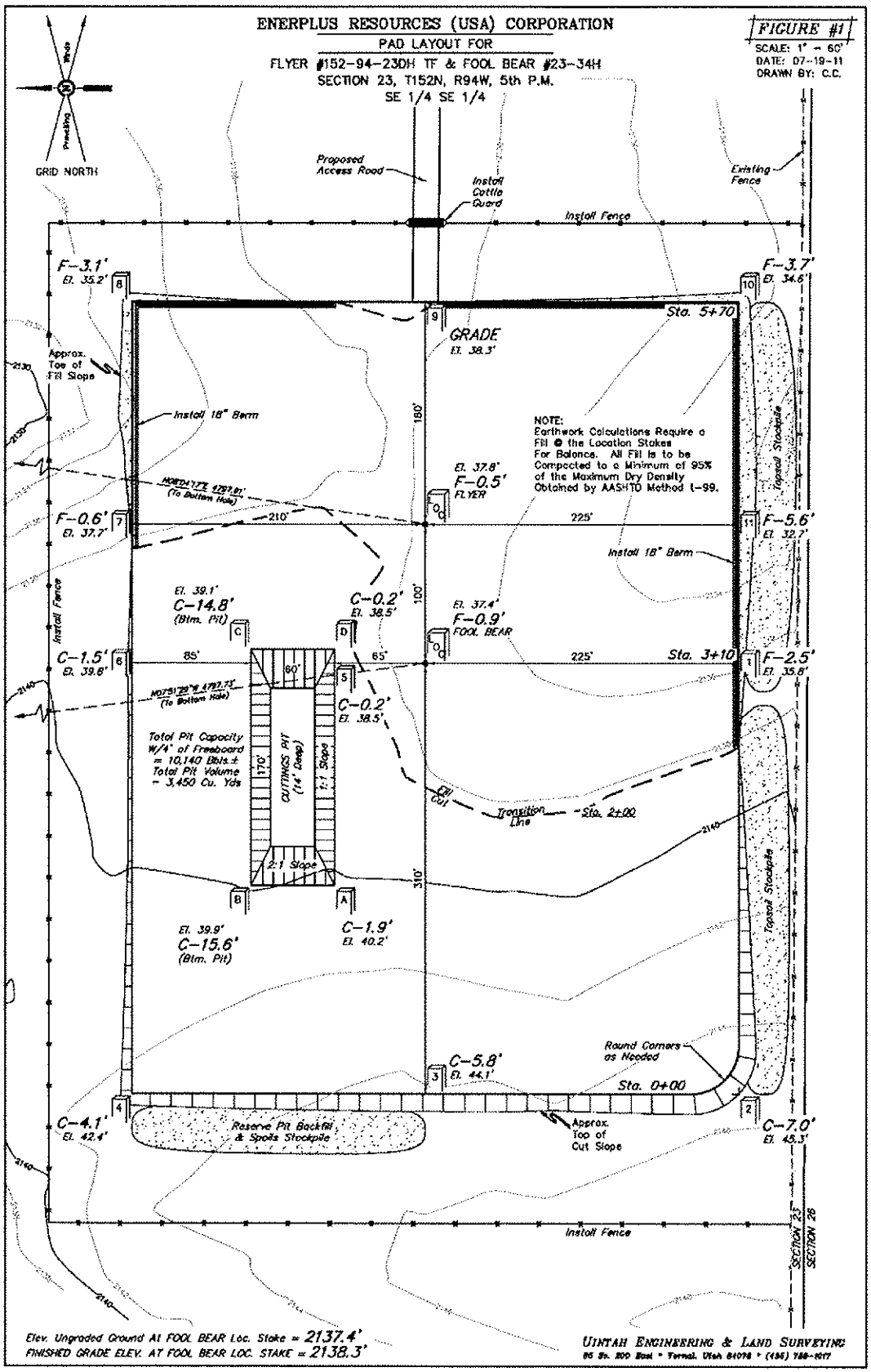
I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

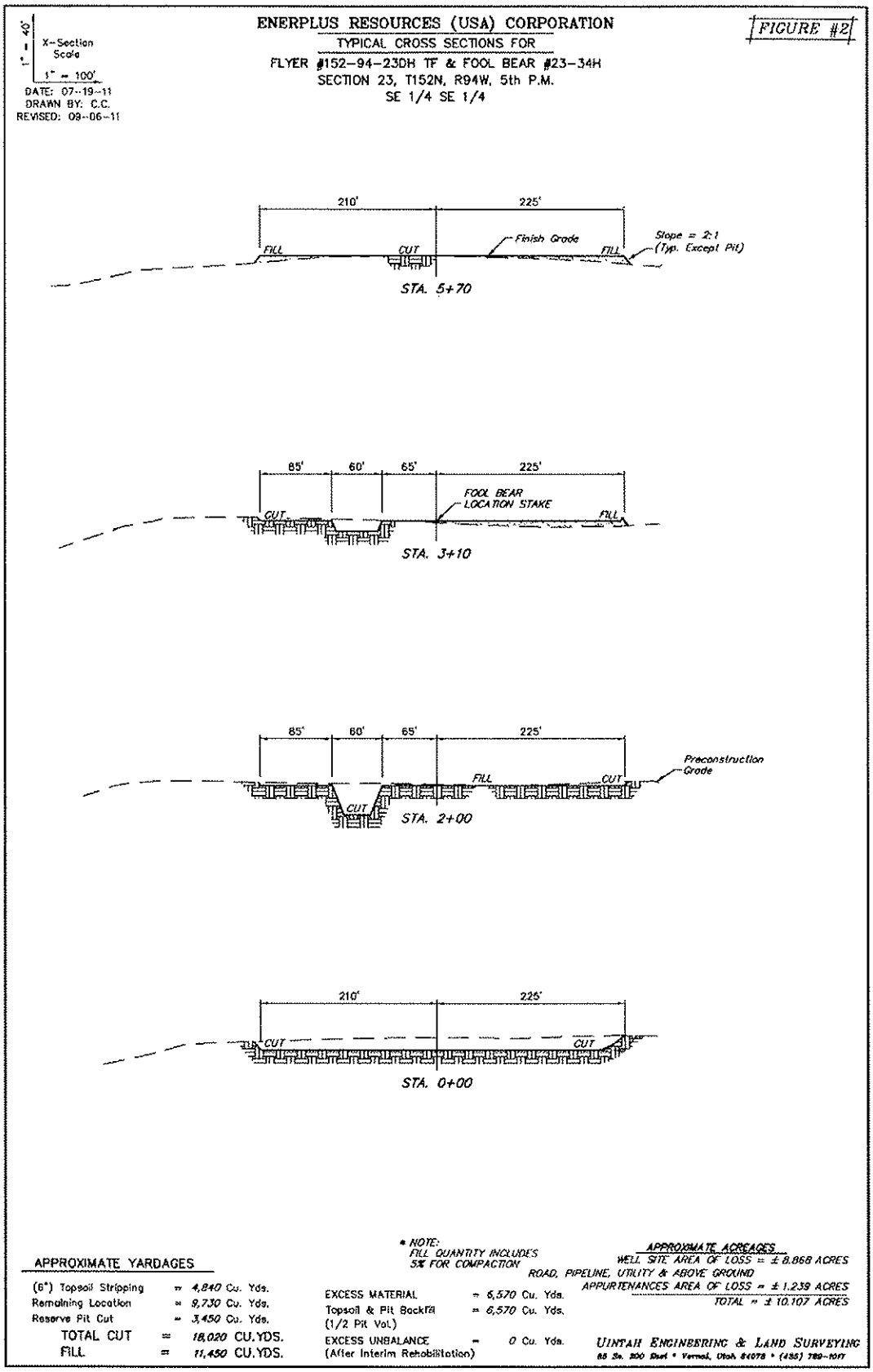
TROY JENSEN REGISTERED LAND SURVEYOR 4654 07-22-11 NORTH DAKOTA

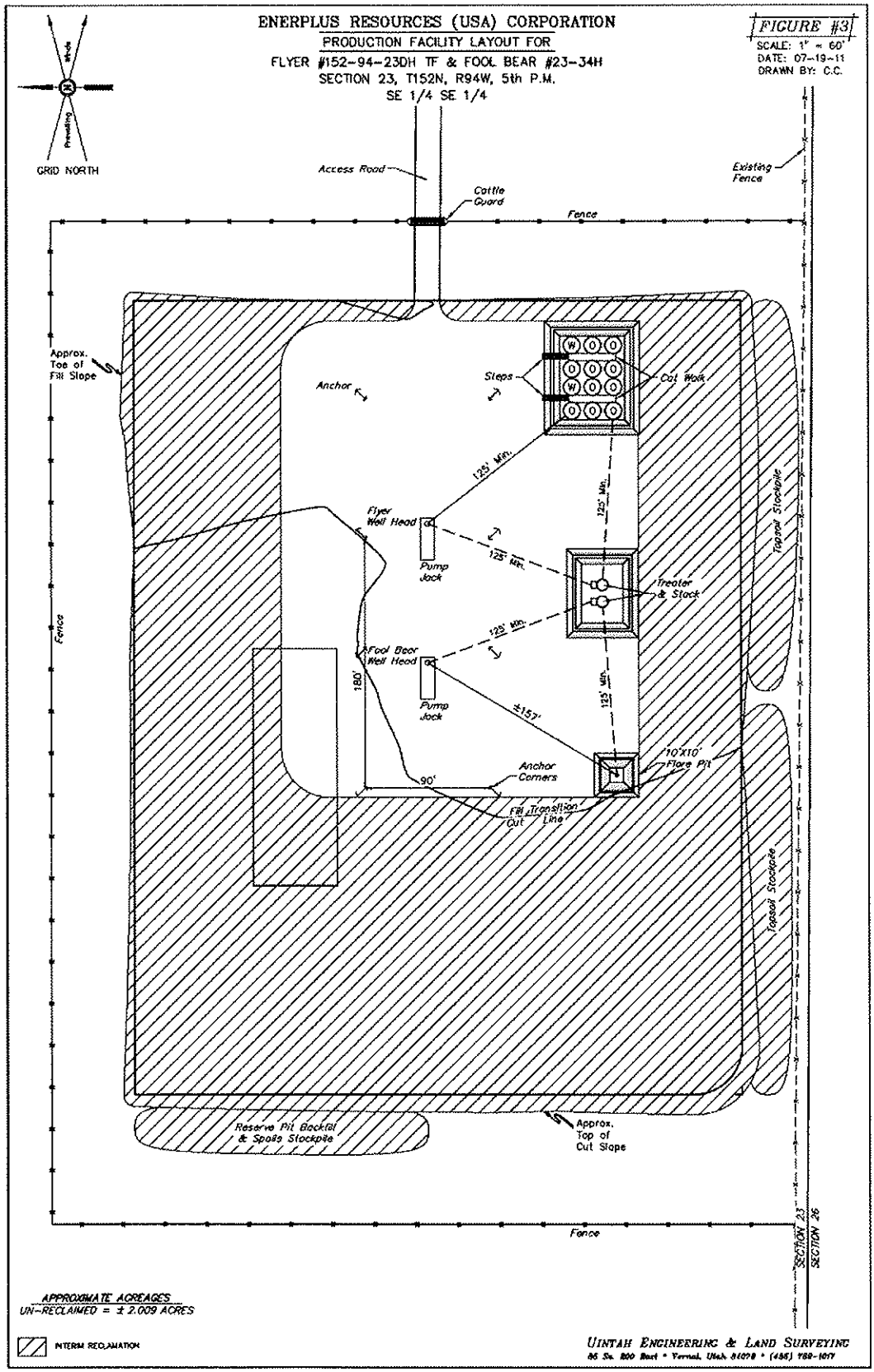
REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

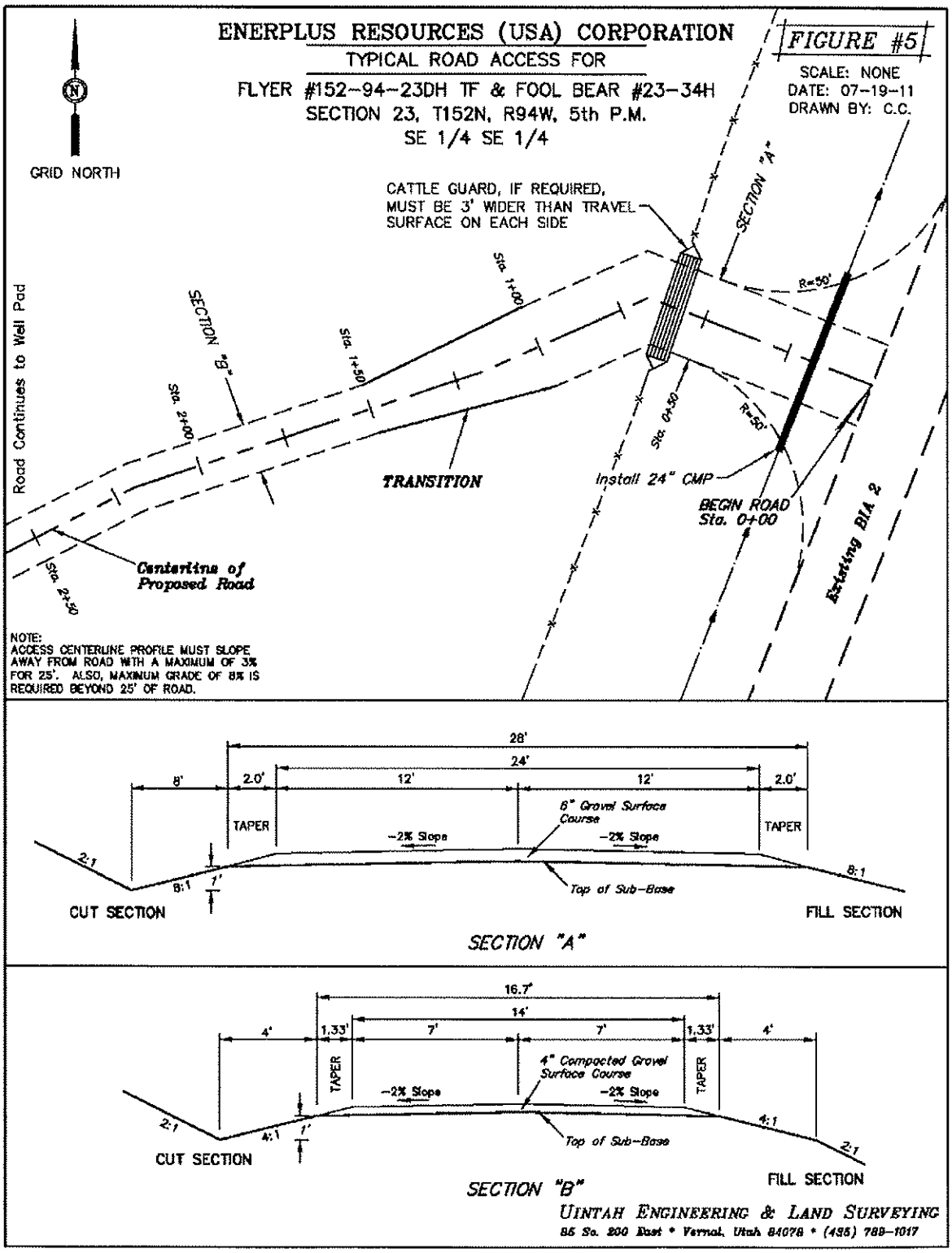
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

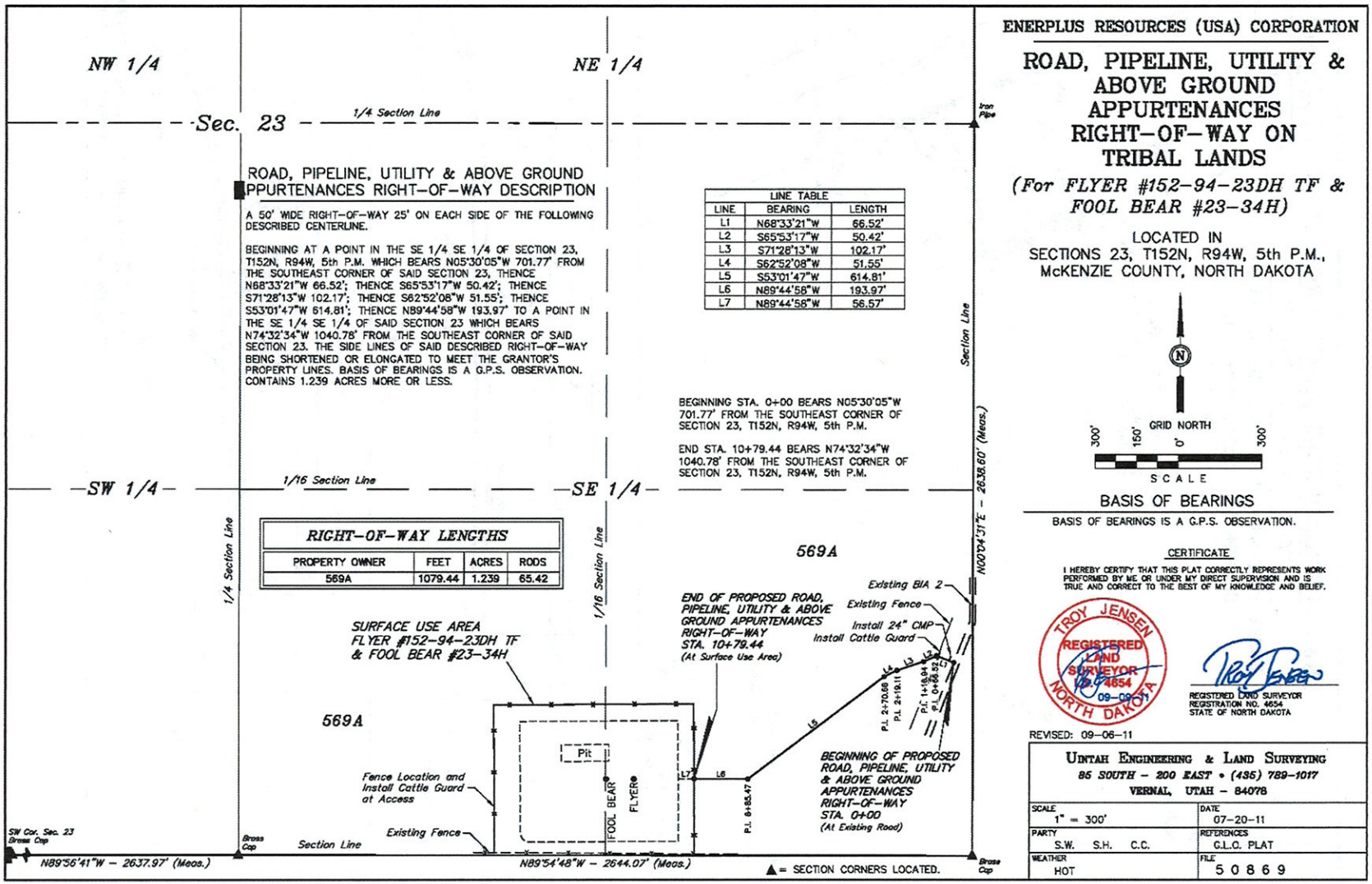
SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	06-30-11	07-19-11
PARTY: S.W. S.H. C.C.	REFERENCES: G.L.O. PLAT	
WEATHER: HOT	FILE: ENERPLUS RESOURCES (USA) CORPORATION	


ENERPLUS RESOURCES (USA) CORPORATION
PAD LAYOUT FOR
FLYER #152-94-23DH TF & FOOL BEAR #23-34H
SECTION 23, T152N, R94W, 5th P.M.
SE 1/4 SE 1/4
FIGURE #1
SCALE: 1" = 60'
DATE: 07-19-11
DRAWN BY: C.C.
GRID NORTH
Proposed Access Road
Install Cattle Guard
Existing Fence
Install Fence
F-3.1' El. 35.2'
F-3.7' El. 34.6'
Sta. 5+70
GRADE El. 38.3'
Approx. Toe of Fill Slope
Install 18" Berm
NOTE: Earthwork Calculations Require a Fill @ the Location Stakes For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method L-99.
El. 37.8' F-0.5' FLYER
F-0.6' El. 37.7'
F-5.6' El. 32.7'
Install 18" Berm
El. 39.1' C-14.8' (Blm. Pit)
C-0.2' El. 38.5'
El. 37.4' F-0.9' FOOL BEAR
C-1.5' El. 39.8'
Sta. 3+10
F-2.5' El. 35.8'
Total Pit Capacity W/4' of Freeboard = 10,140 Bbls.± Total Pit Volume = 3,450 Cu. Yds
CUTTINGS PIT (14' Deep)
1:1 Slope
2:1 Slope
Fill Cut
Transition Line
Sta. 2+00
El. 39.9' C-15.6' (Blm. Pit)
C-1.9' El. 40.2'
Topsoil Stockpile
Round Corners as Needed
C-5.8' El. 44.1'
Sta. 0+00
C-4.1' El. 42.4'
Reserve Pit Backfill & Spoils Stockpile
Approx. Top of Cut Slope
C-7.0' El. 45.3'
SECTION 23
SECTION 26
Elev. Ungraded Ground At FOOL BEAR Loc. Stake = 2137.4'
FINISHED GRADE ELEV. AT FOOL BEAR LOC. STAKE = 2138.3'
UINTAH ENGINEERING & LAND SURVEYING


ENERPLUS RESOURCES (USA) CORPORATION
TYPICAL CROSS SECTIONS FOR
FLYER #152-94-23DH TF & FOOL BEAR #23-34H
SECTION 23, T152N, R94W, 5th P.M.
SE 1/4 SE 1/4
FIGURE #2
1" = 40'
X-Section Scale
1" = 100'
DATE: 07-19-11
DRAWN BY: C.C.
REVISED: 09-06-11
210'
225'
FILL
CUT
Finish Grade
FILL
Slope = 2:1 (Typ. Except Pit)
STA. 5+70
85'
60'
65'
225'
FOOL BEAR LOCATION STAKE
CUT
FILL
STA. 3+10
85'
60'
65'
225'
Preconstruction Grade
FILL
CUT
CUT
STA. 2+00
210'
225'
CUT
CUT
STA. 0+00
APPROXIMATE YARDAGES
(6") Topsoil Stripping = 4,840 Cu. Yds.
Remaining Location = 9,730 Cu. Yds.
Reserve Pit Cut = 3,450 Cu. Yds.
TOTAL CUT = 18,020 CU.YDS.
FILL = 11,450 CU.YDS.
* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION
EXCESS MATERIAL = 6,570 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 6,570 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.
APPROXIMATE ACREAGES
WELL SITE AREA OF LOSS = ± 8.868 ACRES
ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES AREA OF LOSS = ± 1.239 ACRES
TOTAL = ± 10.107 ACRES
UINTAH ENGINEERING & LAND SURVEYING


ENERPLUS RESOURCES (USA) CORPORATION
PRODUCTION FACILITY LAYOUT FOR
FLYER #152-94-23DH TF & FOOL BEAR #23-34H
SECTION 23, T152N, R94W, 5th P.M.
SE 1/4 SE 1/4
FIGURE #3
SCALE: 1" = 60'
DATE: 07-19-11
DRAWN BY: C.C.
GRID NORTH
Prevailing Winds
Access Road
Cattle Guard
Fence
Existing Fence
Approx. Toe of Fill Slope
Anchor
Steps
Cat Walk
125' Min.
Flyer Well Head
Pump Jack
Treater & Stock
Fool Bear Well Head
180'
±157'
90'
Anchor Corners
10'X10' Flare Pit
Fill Cut
Transition Line
Topsoil Stockpile
Reserve Pit Backfill & Spoils Stockpile
Approx. Top of Cut Slope
SECTION 23
SECTION 26
APPROXIMATE ACREAGES
UN-RECLAIMED = ± 2.009 ACRES
INTERIM RECLAMATION
UINTAH ENGINEERING & LAND SURVEYING


ENERPLUS RESOURCES (USA) CORPORATION
TYPICAL ROAD ACCESS FOR
FLYER #152-94-23DH TF & FOOL BEAR #23-34H
SECTION 23, T152N, R94W, 5th P.M.
SE 1/4 SE 1/4
FIGURE #5
SCALE: NONE
DATE: 07-19-11
DRAWN BY: C.C.
GRID NORTH
CATTLE GUARD, IF REQUIRED, MUST BE 3' WIDER THAN TRAVEL SURFACE ON EACH SIDE
SECTION "A"
SECTION "B"
Sta. 1+00
Sta. 1+50
Sta. 2+00
Sta. 2+50
Sta. 0+50
R=50'
Road Continues to Well Pad
TRANSITION
Install 24" CMP
BEGIN ROAD Sta. 0+00
Existing BIA 2
Centerline of Proposed Road
NOTE:
ACCESS CENTERLINE PROFILE MUST SLOPE AWAY FROM ROAD WITH A MAXIMUM OF 3% FOR 25'. ALSO, MAXIMUM GRADE OF 8% IS REQUIRED BEYOND 25' OF ROAD.
28'
24'
8'
2.0'
12'
12'
2.0'
TAPER
TAPER
6" Gravel Surface Course
-2% Slope
-2% Slope
2:1
8:1
1'
8:1
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "A"
16.7'
14'
4'
1.33'
7'
7'
1.33'
4'
TAPER
TAPER
4" Compacted Gravel Surface Course
-2% Slope
-2% Slope
2:1
4:1
1'
4:1
2:1
Top of Sub-Base
CUT SECTION
FILL SECTION
SECTION "B"
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



ENERPLUS RESOURCES (USA) CORPORATION

ROAD, PIPELINE, UTILITY & ABOVE GROUND APPURTENANCES RIGHT-OF-WAY ON TRIBAL LANDS

(For FLYER #152-94-23DH TF & FOOL BEAR #23-34H)

LOCATED IN
SECTIONS 23, T152N, R94W, 5th P.M.,
McKENZIE COUNTY, NORTH DAKOTA

N

GRID NORTH

300' 150' 0' 300'

SCALE

BASIS OF BEARINGS

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

CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

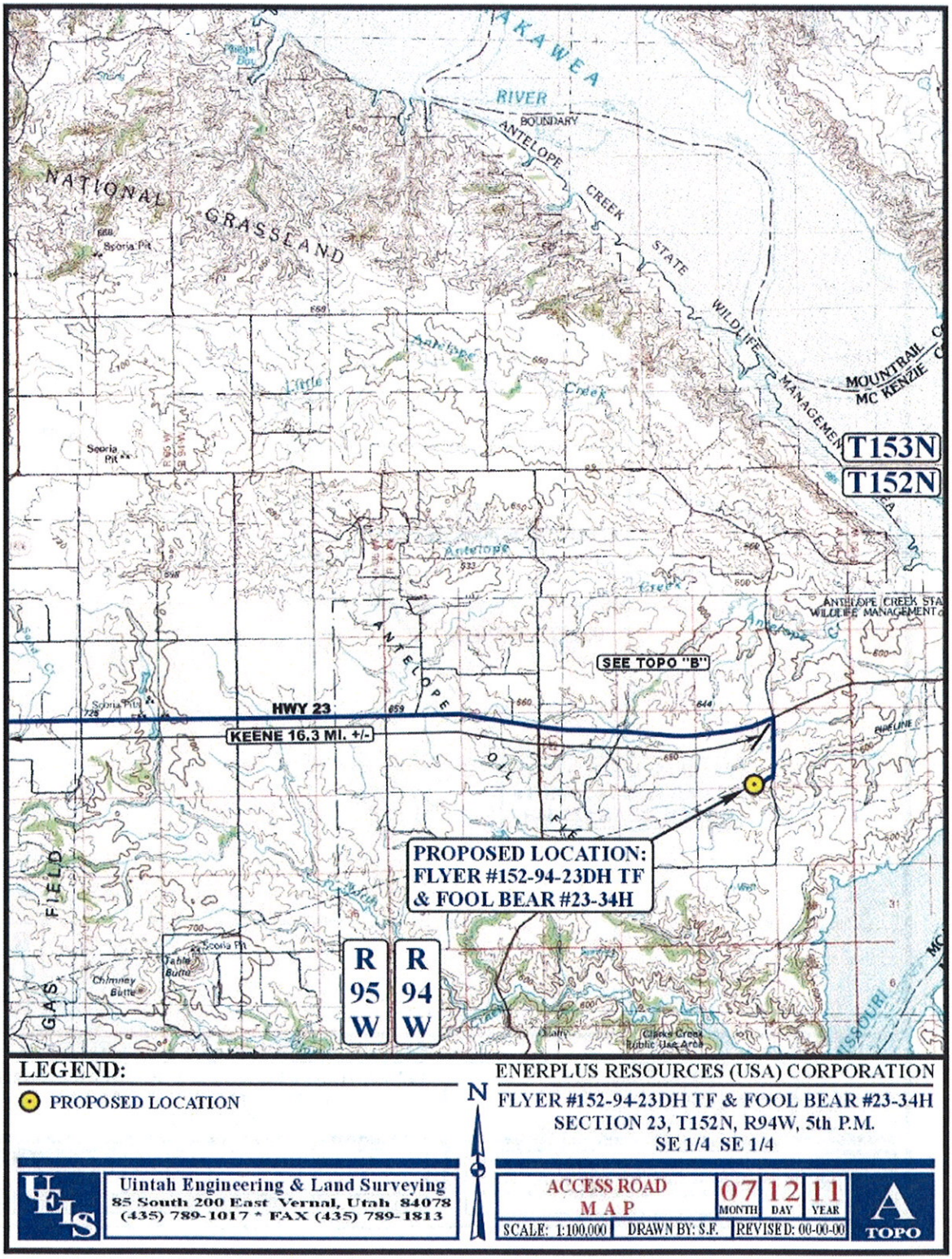
TROY JENSEN REGISTERED LAND SURVEYOR 4654 09-09-11 NORTH DAKOTA

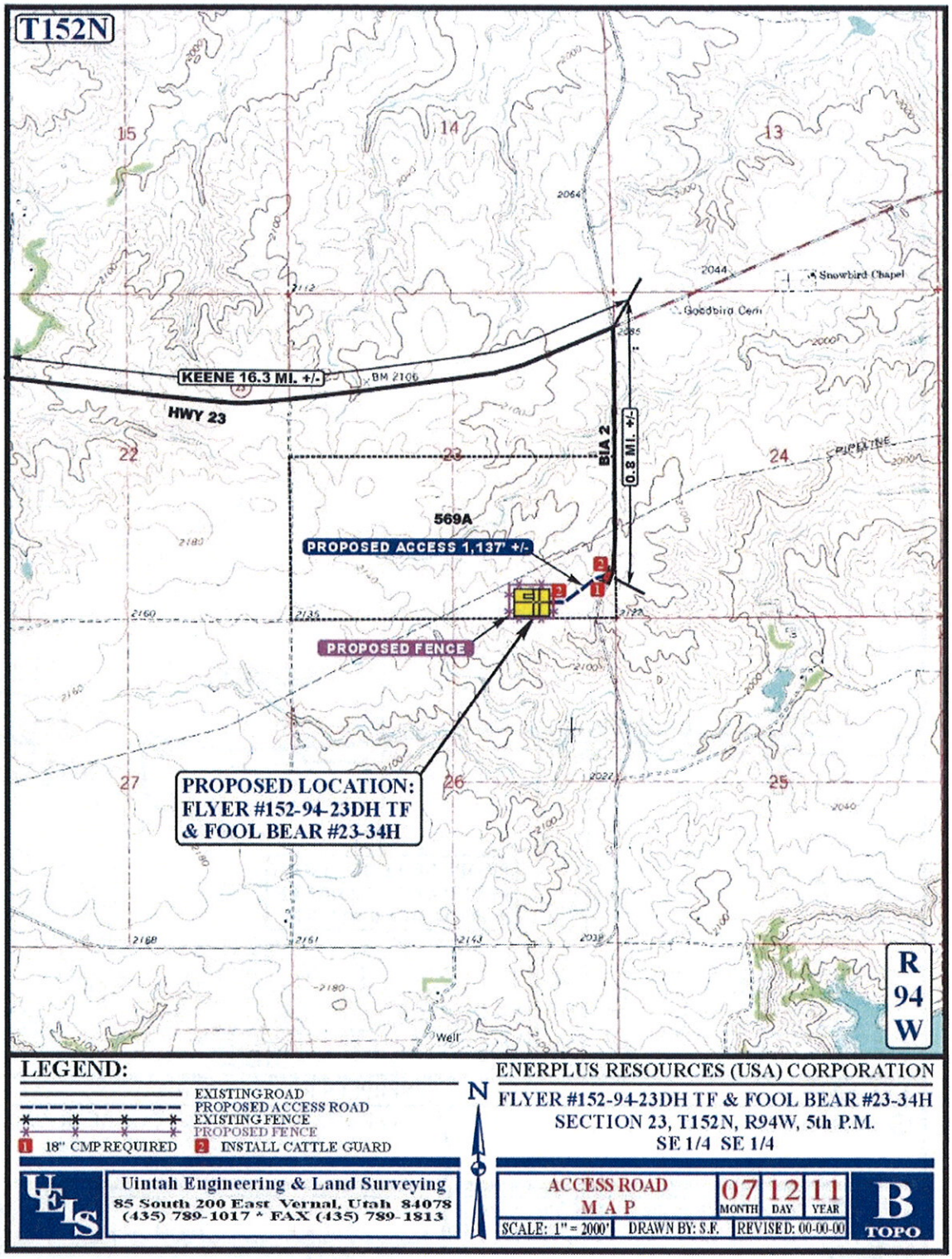
REGISTERED LAND SURVEYOR
REGISTRATION NO. 4654
STATE OF NORTH DAKOTA

REVISED: 09-06-11

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

SCALE 1" = 300'	DATE 07-20-11
PARTY S.W. S.H. C.C.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE 50869


YAKAWEA
RIVER
BOUNDARY
ANTELOPE
CREEK
STATE
WILDLIFE
MANAGEMENT
MOUNTRAIL
MC KENZIE
NATIONAL
GRASSLAND
Scoria Pit
Little
Antelope
Creek
T153N
T152N
ANTELOPE CREEK STA
WILDLIFE MANAGEMENT
SEE TOPO "B"
HWY 23
KEENE 16.3 MI. +/-
ANTELOPE
OIL
FIELD
GAS
PROPOSED LOCATION:
FLYER #152-94-23DH TF
& FOOL BEAR #23-34H
R 95 W
R 94 W
Table Butte
Chimney Butte
Clarke Creek Public Use Area
LEGEND:
PROPOSED LOCATION
N
ENERPLUS RESOURCES (USA) CORPORATION
FLYER #152-94-23DH TF & FOOL BEAR #23-34H
SECTION 23, T152N, R94W, 5th P.M.
SE 1/4 SE 1/4
UELS
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD MAP
07 MONTH
12 DAY
11 YEAR
A TOPO
SCALE: 1:100,000
DRAWN BY: S.F.
REVISED: 00-00-00


T152N
15
14
13
22
23
24
27
26
25
KEENE 16.3 MI. +/-
HWY 23
BM 2106
Snowbird Chapel
Goodbird Cem
BIA 2
0.8 MI. +/-
PIPELINE
569A
PROPOSED ACCESS 1,137' +/-
PROPOSED FENCE
PROPOSED LOCATION:
FLYER #152-94-23DH TF
& FOOL BEAR #23-34H
Well
R
94
W
LEGEND:
EXISTING ROAD
PROPOSED ACCESS ROAD
EXISTING FENCE
PROPOSED FENCE
1 18" CMP REQUIRED
2 INSTALL CATTLE GUARD
N
ENERPLUS RESOURCES (USA) CORPORATION
FLYER #152-94-23DH TF & FOOL BEAR #23-34H
SECTION 23, T152N, R94W, 5th P.M.
SE 1/4 SE 1/4
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813
ACCESS ROAD
M A P
07 MONTH
12 DAY
11 YEAR
SCALE: 1" = 2000'
DRAWN BY: S.F.
REVISED: 00-00-00
B
TOPO

Notice of Availability and Appeal Rights

Enerplus: Additional Well on Five Previously Approved Well Pads and an Access Road Modification

The Bureau of Indian Affairs (BIA) is planning to issue administrative approvals related to an Addendum to Authorize Land Use for an Additional Well on Five Previously Approved Well Pads and an Access Road Modification on the Fort Berthold Reservation as shown on the attached map. Construction by Enerplus Resources is expected to begin in 2012.

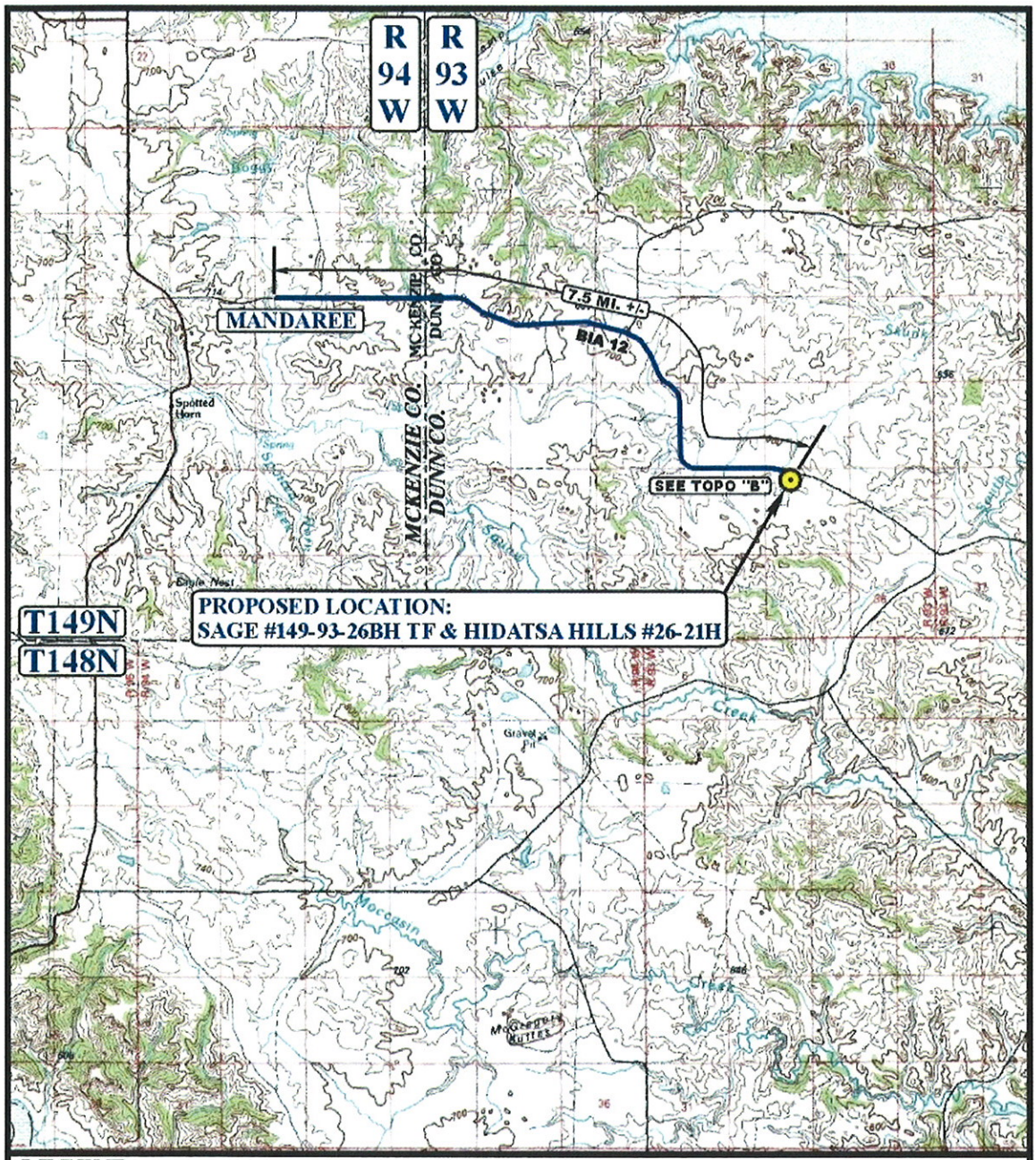
An environmental assessment (EA) determined that proposed activities will not cause significant impacts to the human environment. An environmental impact statement is not required. Contact Earl Silk, Superintendent at 701-627-4707 for more information and/or copies of the EA and the Finding of No Significant Impact (FONSI).

The FONSI is only a finding on environmental impacts – it is not a decision to proceed with an action and *cannot* be appealed. BIA's decision to proceed with administrative actions *can* be appealed until March 31, 2012, by contacting:

United States Department of the Interior
Office of Hearings and Appeals
Interior Board of Indian Appeals
801 N. Quincy Street, Suite 300, Arlington, Va 22203.

Procedural details are available from the BIA Fort Berthold Agency at 701-627-4707.

Project locations.



LEGEND:

PROPOSED LOCATION

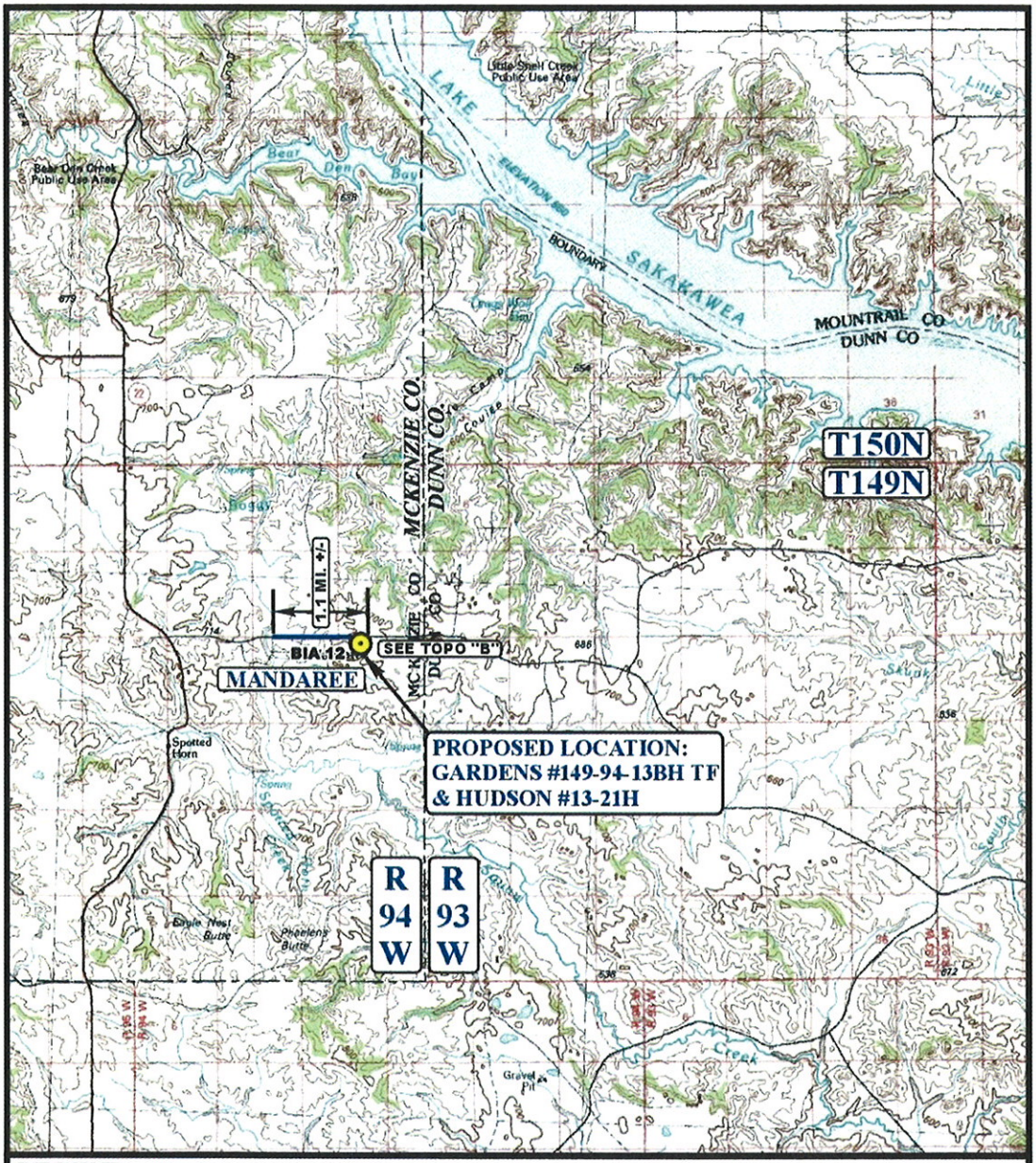
N

ENERPLUS RESOURCES (USA) CORPORATION

SAGE #149-93-26BH TF & HIDATSA HILLS #26-21H
SECTION 26, T149N, R93W, 5th P.M.
NE 1/4 NW 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	06 MONTH	30 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: S.F.	REVISED: 00-00-00		



LEGEND:

PROPOSED LOCATION

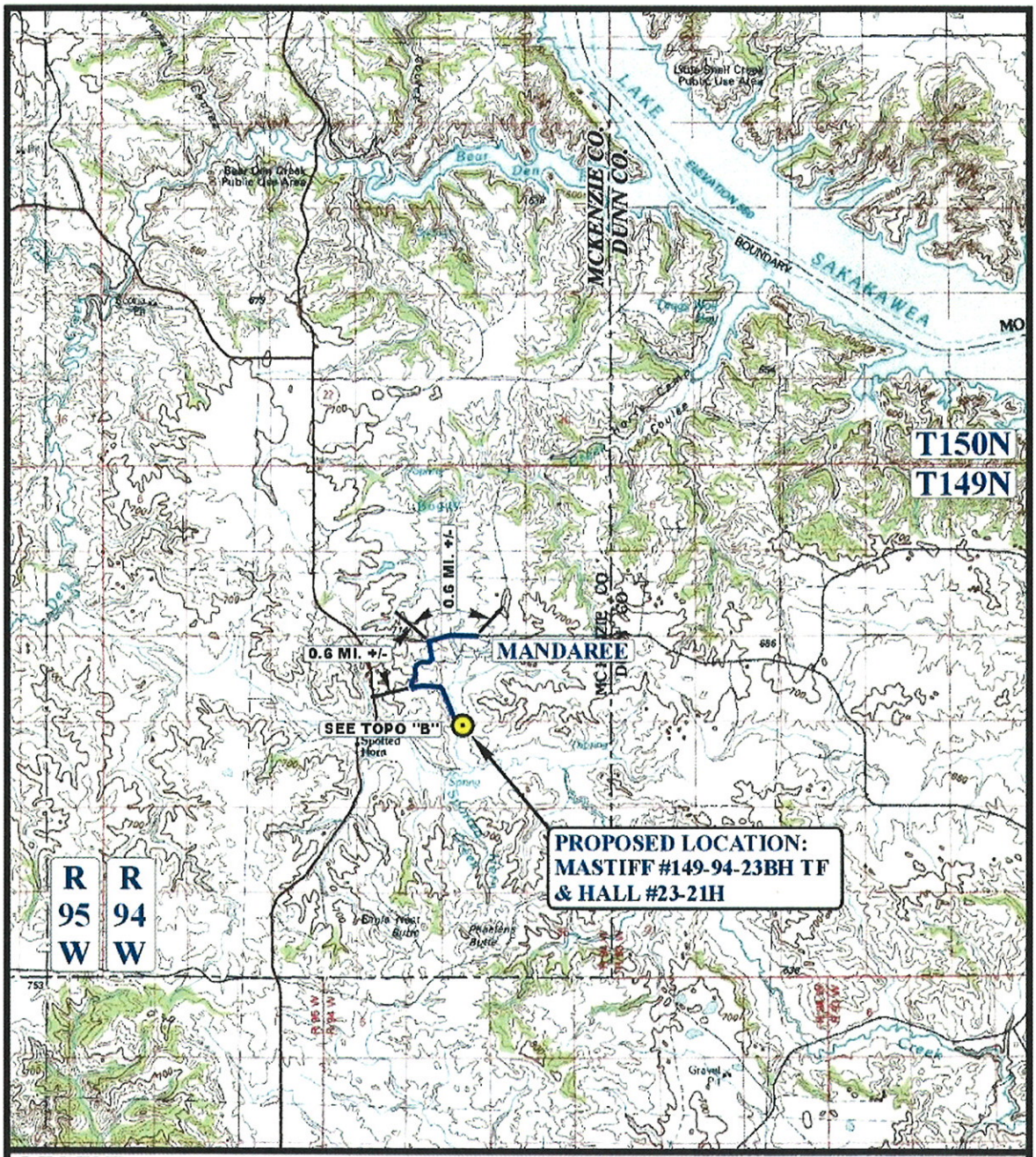
N

ENERPLUS RESOURCES (USA) CORPORATION

GARDENS #149-94-13BH TF & HUDSON #13-21H
SECTION 13, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	06 MONTH	21 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY:S.F.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

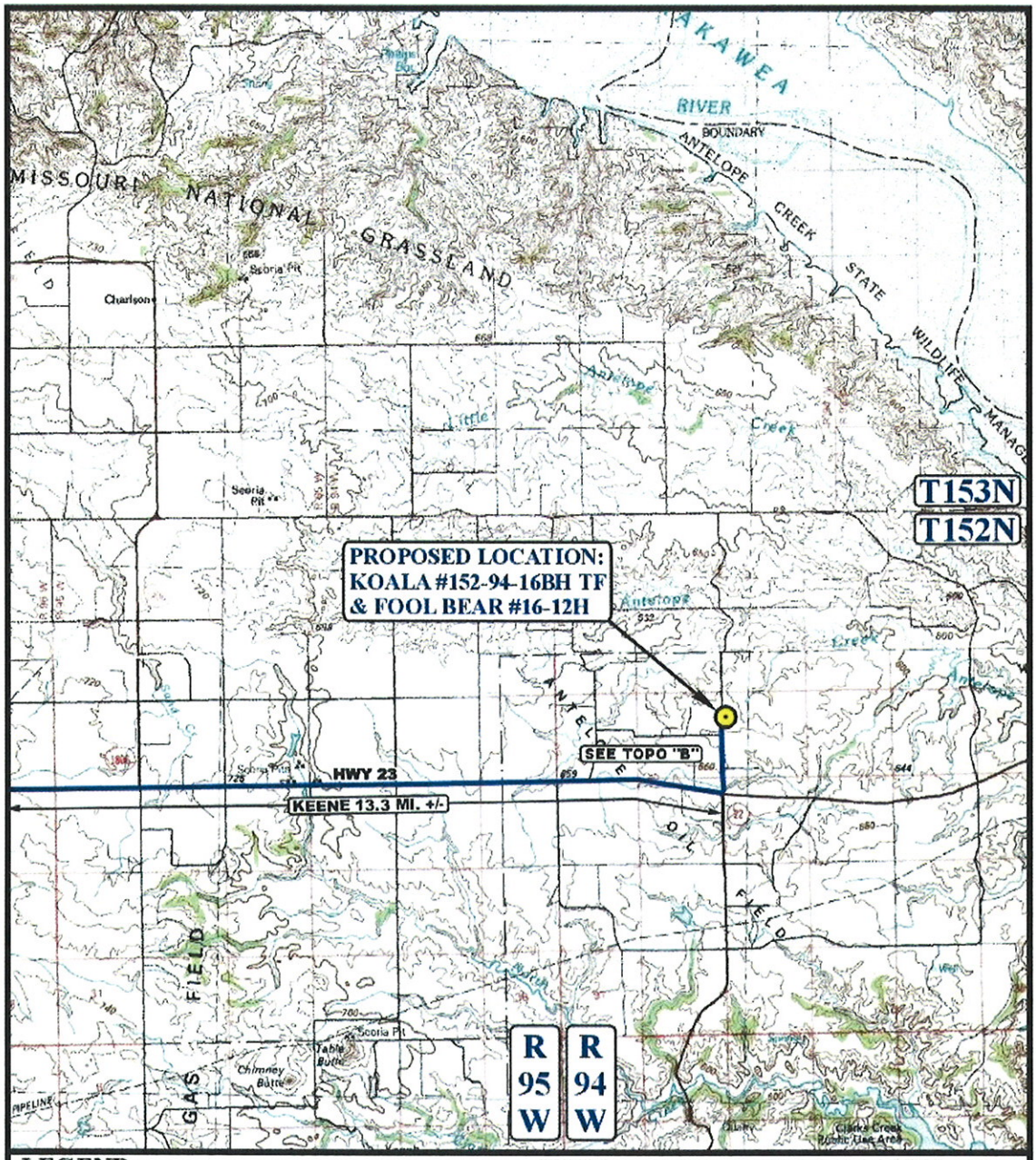
N

ENERPLUS RESOURCES (USA) CORPORATION

MASTIFF #149-94-23BH TF # HALL #23-21H
SECTION 23, T149N, R94W, 5th P.M.
NE 1/4 NW 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	07 MONTH	13 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: S.R.	REV:01-05-12 J.L.G.		



LEGEND:

PROPOSED LOCATION

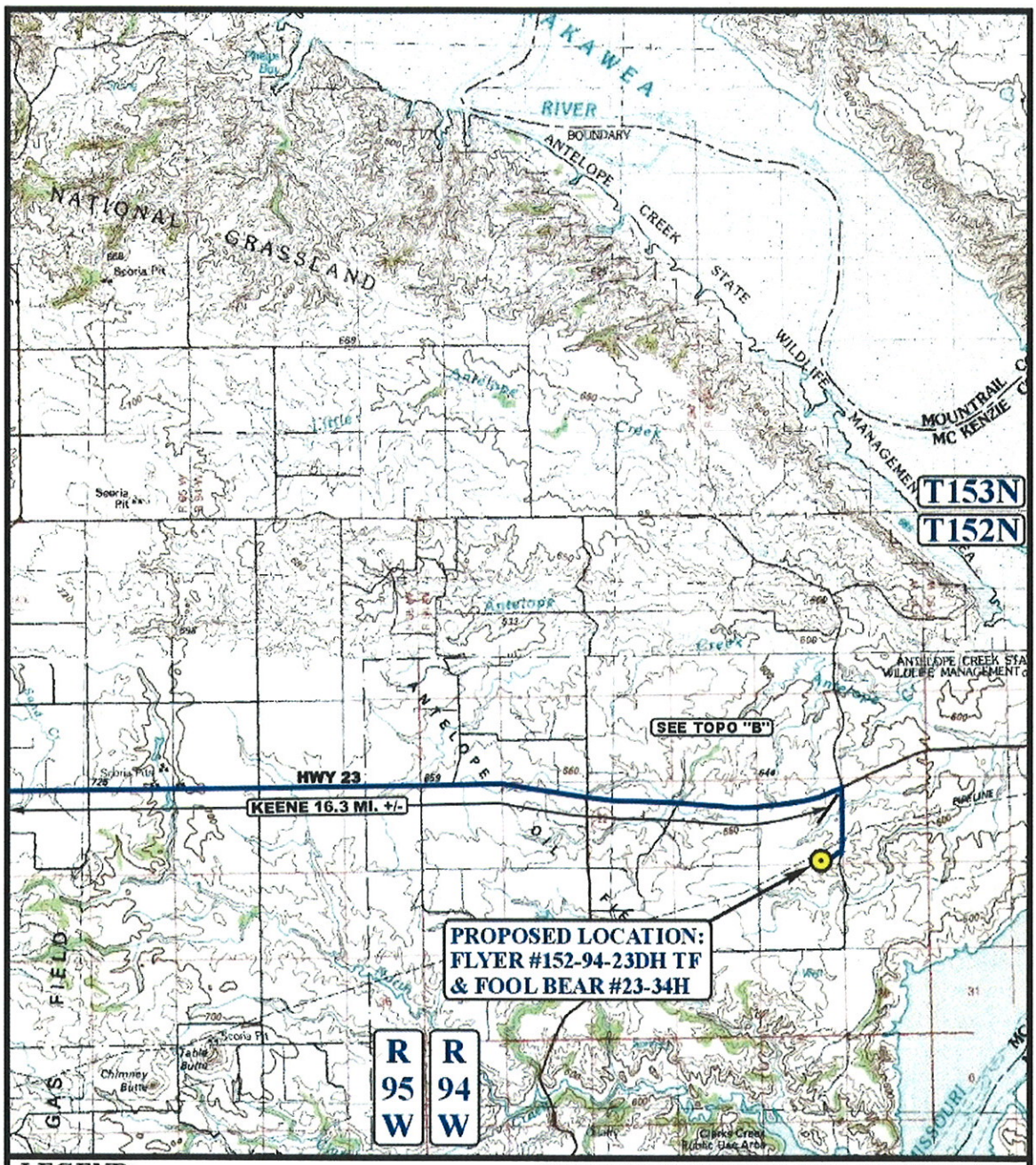
N

ENERPLUS RESOURCES (USA) CORPORATION

KOALA #152-94-16BH TF & FOOL BEAR #16-12H
SECTION 16, T152N, R94W, 5th P.M.
NW 1/4 NW 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	07 MONTH	08 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: S.F.	REVISED: 00-00-00		



LEGEND:

PROPOSED LOCATION

N

ENERPLUS RESOURCES (USA) CORPORATION

FLYER #152-94-23DH TF & FOOL BEAR #23-34H
SECTION 23, T152N, R94W, 5th P.M.
SE 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	07 MONTH	12 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: S.F.	REVISED: 00-00-00		