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ENVIRONMENTAL PROTECTION

July 19, 2004
File: 39813.01

Mr. Scott Smale
Nevada Division of Environmental Protection
Bureau of Corrective Actions
333 W. Nye Lane
Carson City, NV 89706

**SUBJECT: Report of Fencing Observation
Former Hawthorne Landfill
Mineral County, Nevada**

Dear Mr. Smale:

Kleinfelder is pleased to provide this Report of Fencing Observation for services performed at the former Hawthorne Landfill, Mineral County, Nevada. This work was performed in accordance with the scope of work, dated December 30, 2003, and approved by the NDEP in a letter dated February 4, 2004. The services were performed under the existing contract between Kleinfelder and the Nevada Division of Environmental Protection (NDEP) (Contract No. DEP02-026).

The purpose of this project was to provide a legal survey and boundary of the former Hawthorne landfill including all identified landfill cells and the areas of substantial surface debris. The former landfill is located to the west of the town of Hawthorne, see Plate 1. The fence provides a safety barrier to reduce potential adverse impacts to the public welfare. The fence also provides a boundary within which to perform anticipated landfill cleanup activities. To meet the project requirements Kleinfelder performed the following Scope of Work.

SCOPE OF WORK

- Task 1: Property Survey**
- Task 2: Fence Installation**
- Task 3: Gate and Signage Installation**
- Task 4: Report of Completion**

Kleinfelder subcontracted Mineral County to perform fencing, gate and sign installation activities. The use of Mineral County personnel and equipment and local fencing materials suppliers provided project cost savings and supported local Hawthorne businesses.

Task 1: Property Survey

On January 21, 2004 Kleinfelder met with representatives of Mineral County and the NDEP at the former Hawthorne Landfill to locate the approximate corners of the former landfill area, see Plate 2. The corners of the area to be surveyed were marked with t-posts, see Photo 1, Plate 3. Denson Surveying of Yerington, Nevada performed a survey of the proposed fenceline perimeter, using the previously marked corners. The survey area included 162.43 acres. During survey activities, a previously unidentified landfill cell was observed to be located on property adjacent to the Mineral County former landfill property. The landfill cell is located on property owned by Mr. and Mrs. Isom. Kleinfelder, the NDEP, Mineral County and the Isom's determined that the cell should be included in the fenced area and cleaned up. A letter dated February 13, 2004 permits Mineral County to fence and clean up the landfill cell located on the Isom property. Following receipt of the letter the fenceline was modified to include an additional 21.76 acres on the Isom property. A copy of the letter is included in Appendix A. A copy of the survey is included as Plate 2, and a legal description of the survey area is included as Appendix B.

Task 2: Fence Installation

On February 3, 2004, Mineral County employees started fencepost installation. On February 14, 2004, Kleinfelder performed a site visit to observe fence installation activities. Kleinfelder observed and documented corner and gate fencepost installation by Mineral County employees, see Photo 2, Plate 3. On March 28, 2004, Kleinfelder performed a site visit to observe fencing activities. Kleinfelder observed Mineral County employees installing t-posts using a pneumatic post driver, see Photo 3, Plate 4. Kleinfelder also observed barbed wire installation, see Photo 4, Plate 4. On May 11, 2004, Kleinfelder met with representatives of Mineral County and the NDEP to observe the completed fence.

The fence is a t-post and three-strand barbed wire construction. Corner posts and gate-posts were installed in auger holes and set with concrete. T-posts were installed between corner and gate-posts and a three-strand barbed wire fence was strung on the posts.

Three events of fence damage occurred during and following fence installation. In one case, a corner post was bent over and required repair. In two cases, the barbed wire fence strands were cut and required repair.

Task 3: Gate and Signage Installation

Five drive through gates (Photo 5, Plate 5) and six walk through gates (Photo 6, Plate 5) were installed for anticipated cleanup activities and recreational access. Informational signs were posted at each of the gated entrances, see Photo 7, Plate 6. Reflective markers were installed on the fence to increase visibility, see Photo 8, Plate 6.

Task 4: Report of Completion

This report documents the fence installation and oversight activities. The project was completed in accordance with the proposed scope of work and within project budget.

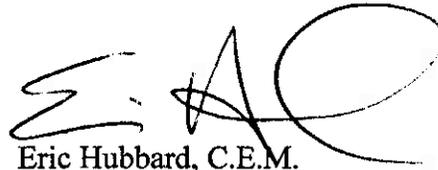
If you have any questions or require any additional information regarding this scope of work and cost estimate, please contact either of the undersigned at (775) 689-7800.

Respectfully submitted,

KLEINFELDER, INC.



Joshua P. Fortmann, C.E.M.
Project Manager

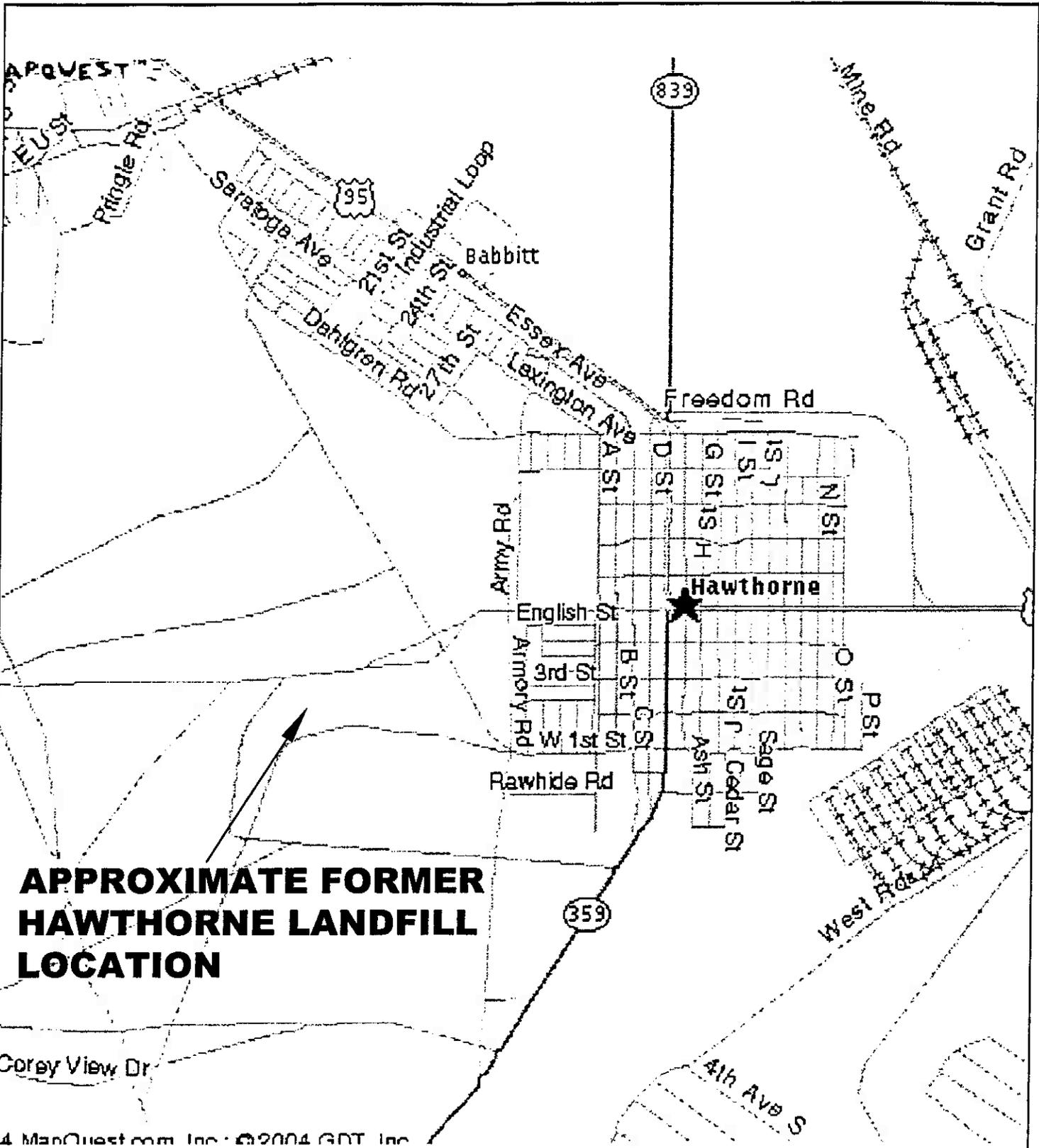


Eric Hubbard, C.E.M.
Geoscience Manager

JPF:EH:mj

Attachment: Plates
Appendix A
Appendix B

PLATES



**APPROXIMATE FORMER
HAWTHORNE LANDFILL
LOCATION**

CAD FILE: L:\2004\WORKING\39813\39813-VICINITY.dwg
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KLEINFELDER
 4875 LONGLEY LANE, SUITE 100
 RENO, NEVADA 89502
 Tel. (775) 689-7800

PROJECT NO. 39813.01

SITE VICINITY MAP

FORMER HAWTHORNE LANDFILL
 MINERAL COUNTY, NEVADA

PLATE
1



Photograph 1:
Preliminary corner
location marking.
(January 21, 2004).



Photograph 2:
Corner posts at
Northwest corner of
fenceline.
(February 14, 2004).

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PHOTOGRAPHS
Nevada Division of Environmental
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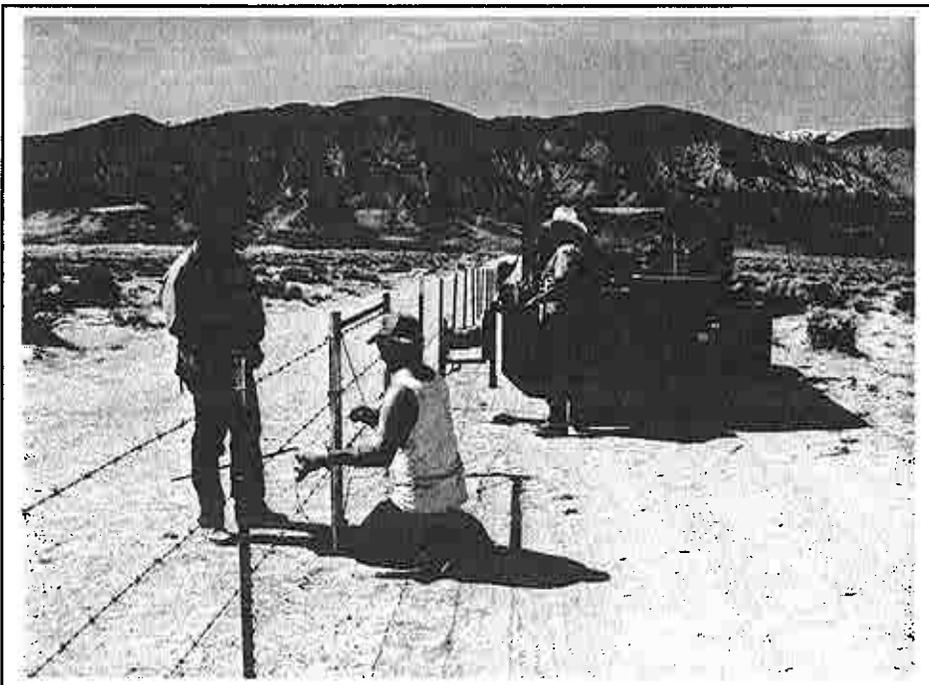
PLATE

3

PROJECT NO.: 39813.01



Photograph 3:
Mineral County personnel
installing t-posts using a
pneumatic post driver.
(March 28, 2004).



Photograph 4:
Mineral County personnel
installing barbed wire
fencing.
(March 28, 2004).

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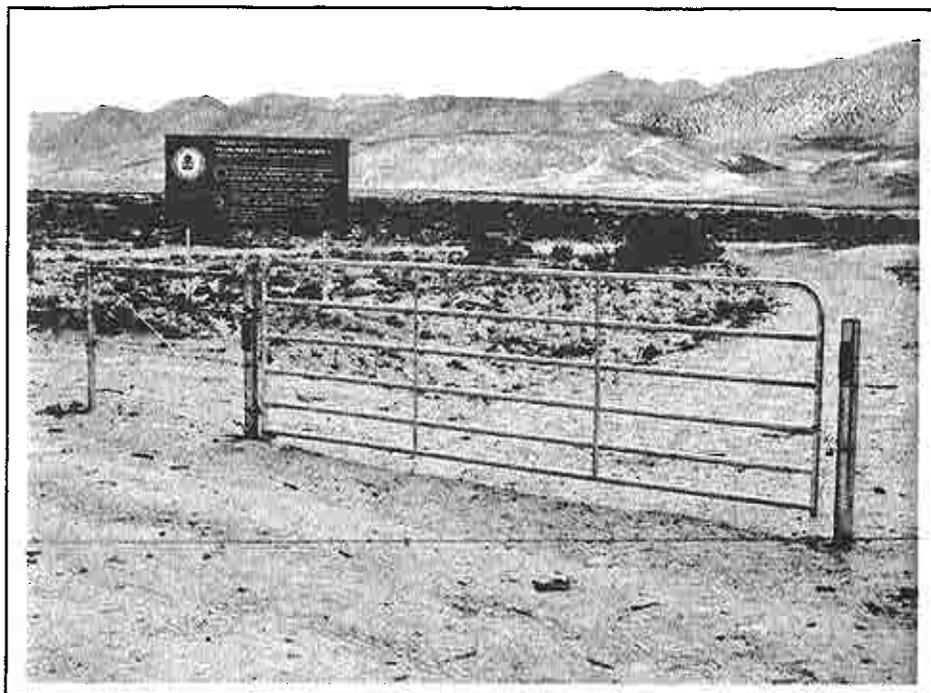
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Mineral County, Nevada

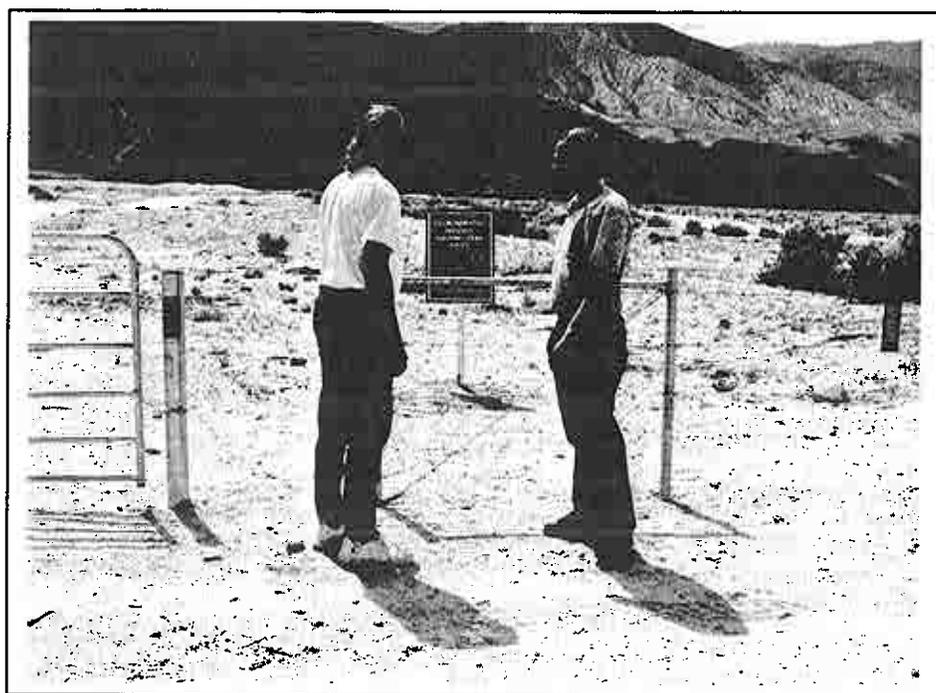
PLATE

4

PROJECT NO.: 39813.01



Photograph 5:
Drive-through gate and
project sign.
(May 11, 2004).



Photograph 6:
Walk-through gate, and
gate location sign.
(May 11, 2004).

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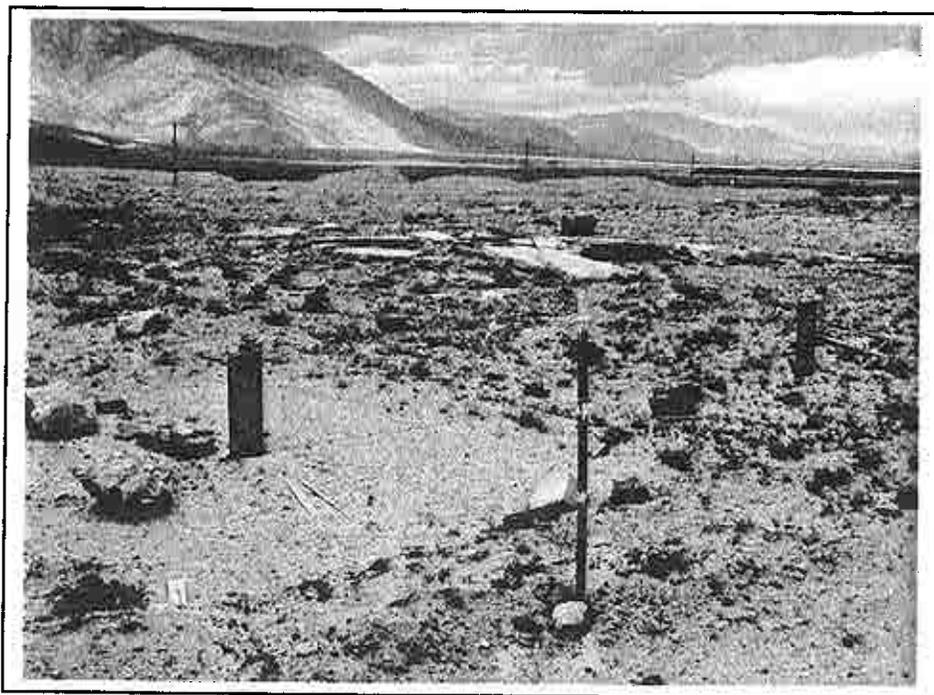
PLATE

5

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Photograph 7:
Project identification
sign.
(May 11, 2004).



Photograph 8:
Reflective fence markers.
(May 11, 2004).

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Mineral County, Nevada

PLATE

6

PROJECT NO.: 39813.01

APPENDIX A

Woody & Carolyn Isom
P. O. Box 670
Hawthorne, NV 89415

February 13, 2004

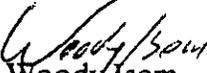
Mineral County Commissioners
P. O. Box 1450
Hawthorne, NV 89415

Sirs;

We hereby give our permission for you to fence and clean the area of our property identified by the Denson Survey for the Brownfields Cleanup and the boundary that was established by the EPA and Brownfields staff. It is further identified as Cell 21 of the Phase II Physical Characteristics Assessment dated October 2001 and prepared by US Army Corps of Engineers.

I understand this is to be done at no cost or further requirements to us.

Sincerely,


Woody Isom


Carolyn Isom

ISOM PROPERTY

All that certain real property being a portion of the Northeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of Section 32 and a portion of the Northwest $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ of Section 33, Township 8 North, Range 30 East, Mount Diablo Meridian, being described as follows:

*Commencing at the Northwest corner of said Section 33, Thence along the North line of said Section North $86^{\circ}46'02''$ East a distance of 0.63 feet to the **TRUE POINT OF BEGINNING**; Thence from said **POINT OF BEGINNING** and continuing along said North line, North $86^{\circ}46'02''$ East a distance of 912.97 feet; Thence leaving said North line, South $23^{\circ}34'37''$ West a distance of 1435.35 feet; Thence North $73^{\circ}22'10''$ West a distance of 651.46 feet; Thence North $14^{\circ}54'13''$ East a distance of 1115.11 feet to the **POINT OF BEGINNING**.*

Containing 21.76 acres more or less

BROWNS FIELD AREA

All that certain real property being a portion of the South ½ of Section 28, Township 8 North, Range 30 East, Mount Diablo Meridian, being described as follows:

Commencing at the Southeast corner of said Section 28, Thence North 89°10'37" West a distance of 772.30 feet to the TRUE POINT OF BEGINNING; Thence from said POINT OF BEGINNING, South 86°45'16" West a distance of 4337.49 feet; Thence North 14°54'13" East a distance of 1622.96 feet; Thence North 76°28'32" East a distance of 3354.58 feet; Thence South 18°05'06" East a distance of 2214.68 feet to the POINT OF BEGINNING.

Containing 162.43 acres more or less