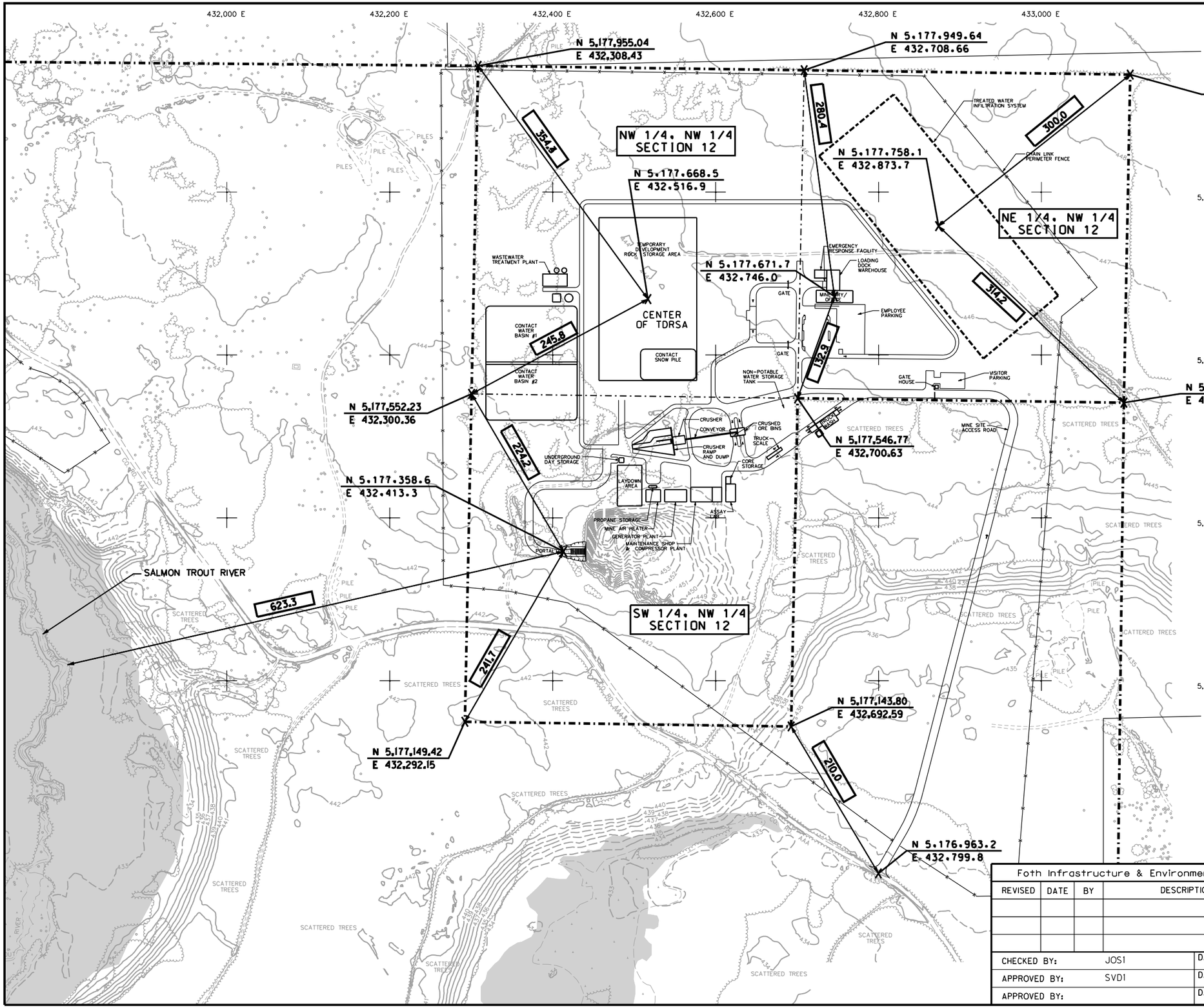


LEGEND

- EXISTING ELEV. CONTOUR IN METERS MSL (1 METER INTERVAL)
- UNPAVED ROAD
- TREE
- TREE LINE
- WCR MAPPED WETLAND BOUNDARY PROVIDED BY GOLDER & ASSOCIATES, INC. APRIL 7, 2005.
- KENNECOTT PROPERTY BOUNDARY
- TREATED WATER INFILTRATION SYSTEM
- PLANIMETRIC WETLAND NOTATION
- PERIMETER FENCE

NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC DATA SUPPLIED BY AERO-METRIC ENGINEERING, SHEBOYGAN, WISCONSIN. DATE OF PHOTOGRAPHY: JUNE 2, 2004.
2. MINE PLAN DATA AREA ADAPTED FROM MCINTOSH ENGINEERING, INC., TEMPE, ARIZONA.
3. SURFACE PROPERTY BOUNDARY AS OF NOVEMBER 18, 2004 SUPPLIED BY KENNECOTT VIA GOLDER & ASSOCIATES INC., AUGUST, 2005.
4. CONTOUR INTERVAL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. HORIZONTAL DATUM BASED ON NAD 83/94. HORIZONTAL COORDINATES BASED ON UTM ZONE 16.
5. ORE BODY, WETLAND BOUNDARY (WETLAND AND COASTAL RESOURCES) SUPPLIED BY GOLDER & ASSOCIATES, INC. AUGUST, 2005.
6. SITE LOCATION: PROJECT SITE WITHIN SECTIONS 11 & 12, T50N, R29W, TOWN OF MICHIGAMME, MARQUETTE COUNTY, MICHIGAN.

NOTES:

1. TOTAL LEASED AREA IS 119.692 ACRES.
2. LEASED PROPERTY FENCE AREA IS 98.2 ACRES.
3. TOTAL DISTURBED WOODED AREA IS 17.8 ACRES.
4. LEASED PROPERTY TOTAL DISTURBED AREA IS 87.8 ACRES.

0 60M 120M

Foth Infrastructure & Environment, LLC

REVISED	DATE	BY	DESCRIPTION

CHECKED BY:	JOS1	DATE:	FEB. '07
APPROVED BY:	SVD1	DATE:	FEB. '07
APPROVED BY:		DATE:	

Kennecott Eagle Minerals

FIGURE A

EAGLE MINE PROPERTY INFORMATION

Scale:	AS SHOWN	Date:	FEBRUARY, 2007
Prepared By:	JOW	Project No.	04W018

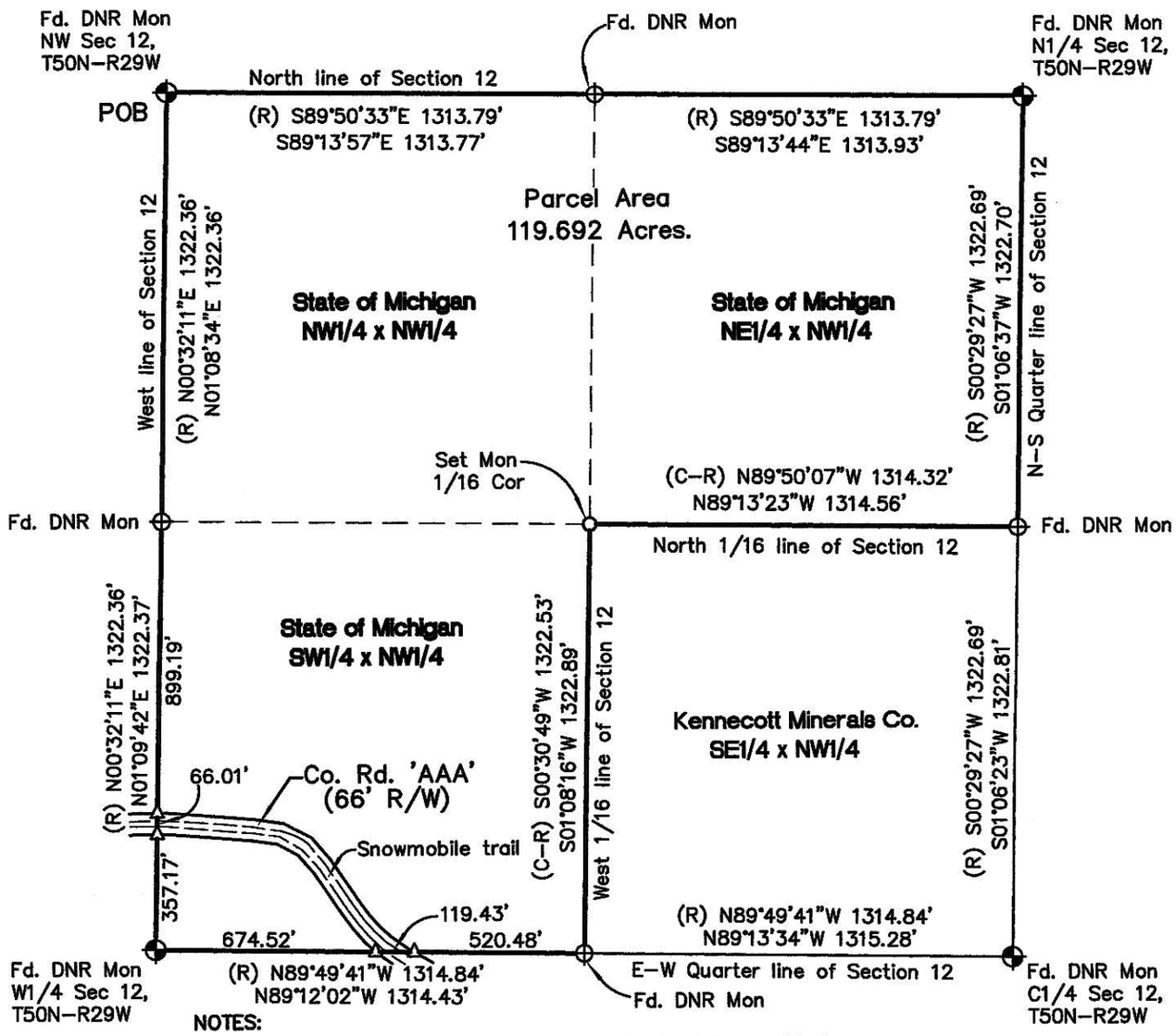
L:\04w018\MPA\4w18fig4-2site survey.dgn
2/28/2007 jow

CERTIFICATE OF SURVEY

PART OF THE NW1/4 OF SECTION 12, T50N–R29W,
MICHIGAMME TOWNSHIP, MARQUETTE COUNTY, MICHIGAN

PREPARED FOR:
Jon Cherry, P. E. – Project Manager
Kennecott Eagle Project
1004 Harbor Hills Drive
Marquette, Michigan 49855

NORTH
0 250 500
SCALE 1" = 500'



NOTES:

Record dimensions are derived from coordinate data provided by the Michigan DNR Survey office in Baraga, Michigan.

The location of County Road 'AAA' is approximate. At the time of this survey the roadway is in use as a snowmobile trail and an accurate location of the as–built dirt roadway is difficult to perform. Since a survey performed at any other time of year would likely result in a different location of the right–of–way, monuments set now would be difficult for other surveys to match into, so no monuments were placed along the road.

LEGEND:

Bearing Basis:
Michigan State Plane Coordinate System
Dimensions shown are measured unless otherwise indicated.
Distances shown are Horizontal Ground not State Plane Grid.

O = Set a 5/8" Rebar w/cap No. 43069	⊕ = Section Corner
● = Found iron as indicated	⊕ = Sixteenth Corner
□ = Set Concrete Monument	■ = Found concrete monument
(R) = Record Dimension	(C) = Calculated Dimension
—∿— = Line not to scale	Δ = Calculated corner position

SURVEYOR'S CERTIFICATE:

I hereby certify that I have surveyed and mapped the hereon described parcel of land; that the ratio of closure of the unadjusted field observations is less than 1 in 20,000 and within the accepted limits; and that I have fully complied with the requirements of Section No. 3, Act No. 132, P.A. 1970 as amended.

Robert R. Spear Jr. 2/26/07

Robert R. Spear Jr., P.S. No. 43069 — Date:

STATE OF MICHIGAN
ROBERT R. SPEAR, JR.
PROFESSIONAL SURVEYOR
No. 43069
LICENSED PROFESSIONAL SURVEYOR

SPEAR LAND SURVEYING, INC.
215 E. Case Street, Negaunee, MI 49866
(906) 475–8149

JOB No. 2003–100 DATE: 02/26/07
DRAWN BY: RRS SHEET 1 OF 3

CERTIFICATE OF SURVEY

Prepared For:
Jon Cherry, P.E. – Project Manager
Kennecott Eagle Project
1004 Harbor Hills Drive
Marquette, Michigan 49855

February 26, 2007
Job No. 2003-100
Sheet 2 of 3

Suggested Legal Description:

A Parcel of land being the Northwest Quarter, the Northeast Quarter and the Southwest Quarter of the Northwest Quarter of Section 12, Township 50 North – Range 29 West, Michigamme Township, Marquette County, Michigan described as:

Commencing at the Northwest corner of Section 12, T50N-R29W and being the Point-of-Beginning; thence S89°13'57"E, 1313.77' along the North line of Section 12 to the Sixteenth Corner; thence continuing along the North line of Section 12 S89°13'44"E, 1313.93' to the North Quarter Corner of Section 12; thence S01°06'37"W, 1322.70' along the North-South Quarter line to the North Sixteenth line; thence N89°13'23"W, 1314.56' along the North Sixteenth line to the West Sixteenth line; thence S01°08'16"W, 1322.89' along the West Sixteenth line to the East-West Quarter line; thence N89°12'02"W, 1314.43' to the West Quarter Corner of Section 12; thence N01°09'42"E, 1322.37' along the West line of Section 12 to the Sixteenth Corner; thence continuing along the West line of Section 12, N01°08'34"E, 1322.36' to the Point-of-Beginning containing 119.692 Acres, SUBJECT to a 66 foot wide County Road right-of-way, being County Road 'AAA', through the Southwest Quarter of the Northwest Quarter of Section 12 and subject to restrictions, reservations, rights-of-way and easements of record.

SPEAR LAND SURVEYING, INC.
Robert R. Spear Jr., PS
215 East Case Street
Negaunee, Michigan 49866

STATE OF MICHIGAN
ROBERT R. SPEAR, JR.
PROFESSIONAL SURVEYOR
No. 43069
LICENSED PROFESSIONAL SURVEYOR

CERTIFICATE OF SURVEY

Prepared For:
Jon Cherry, P.E. – Project Manager
Kennecott Eagle Project
1004 Harbor Hills Drive
Marquette, Michigan 49855

February 26, 2007
Job No. 2003-100
Sheet 3 of 3

Corner Witness List:

Northwest Corner
Section 12, T50N-R29W
Fd. Mich. DNR Monument
Witnessed by:

J. Pine 10"	S71E,	67.35'
J. Pine 13"	S02W,	50.10'
J. Pine 20"	S77W,	61.00'
J. Pine 17"	N66W,	47.64'

North Quarter Corner
Section 12, T50N-R29W
Fd. Mich. DNR Monument
Witnessed by:

J. Pine 4"	N06E,	9.44'
J. Pine 6"	S54E,	63.68'
J. Pine 7" (stub)	S24E,	17.77'
J. Pine 8" (stub)	S30W,	17.58'
J. Pine 8" (stub)	N83W,	20.62'

West Sixteenth Corner to
Sections 1 and 12, T50N-R29W
Fd. Mich. DNR Monument
Witnessed by:

J. Pine 4"	N16E,	27.04'
J. Pine 6" (stub)	N85E,	14.23'
J. Pine 3"	S00E,	16.05'
J. Pine 4"	N62W,	23.33'

Northwest Sixteenth Corner
Section 12, T50N-R29W
Set 2-3/8" x 30" pipe w/3 ¼" cap
Witnessed by:

W. Pine 13"	N42W,	20.74'
J. Pine 10" (stub)	S73E,	27.56'
J. Pine 12"	S18W,	68.25'
J. Pine 15"	S74W,	38.59'

Center-West Sixteenth Corner
Section 12, T50N-R29W
Fd. Mich. DNR Monument
Witnessed by:

J. Pine 12"	N10E,	18.59'
J. Pine 8" (stub)	S70E,	10.03'
J. Pine 10"	S04E,	30.14'
J. Pine 9" (stub)	S44W,	7.74'
Maple 6"	S60W,	22.53'

West Quarter Corner
Section 12, T50N-R29W
Fd. 2" Angle Iron
Witnessed by:

J. Pine 13"	N05E,	43.15'
J. Pine 9"	S02E,	4.76'
J. Pine 7"	S48W,	53.14'
J. Pine 8"	N80W,	12.27'

Center Quarter Corner
Section 12, T50N-R29W
Fd. Mich. DNR monument
Witnessed by:

J. Pine 15"	N56E,	33.40'
J. Pine 13"	S60E,	18.29'
W. Pine 17"	S14W,	43.32'
wood post 4"	S49W,	0.85'

North Sixteenth Corner to
Sections 11 and 12, T50N-R29W
Fd. Mich. DNR Monument
Witnessed by:

J. Pine 10"	N60W,	4.50'
J. Pine 13"	N50E,	5.35'
J. Pine 12"	S55E,	32.88'
J. Pine 13"	S15W,	33.00'
Twin J. Pine 10"	S20W,	29.00'

Center-North Sixteenth Corner
Section 12, T50N-R29W
Fd. Mich. DNR Monument
Witnessed by:

J. Pine 6"(stump)	S20W,	3.54'
J. Pine 10"	N75W,	16.48'
J. Pine 12"	N33E,	4.45'

STATE OF MICHIGAN
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