

Permit No. _____

STATE OF MISSISSIPPI

Application No. **A1982****SURFACE MINING PERMIT APPLICATION****AI# 71571**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY / MINING & RECLAMATION DIVISION

P. O. Box 2279

Jackson, Mississippi 39225-2279

(601) 961-5515

Fax (601) 961-5521

For Office use only

Other permits required: Y/N Date
NPDES _____
State Operating Permit _____
Corps of Engineers _____City/County approval
Required Yes _____ No _____
Received Date: _____
County _____
City _____**A. GENERAL INFORMATION**

1. Name of Applicant: L. H. Harris Construction. LLC
Mailing Address: 819 Robinson Road, Canton, MS 39046
E-mail Address: lharris50@att.net
Phone No. 601-946-4607 Fax No. _____
Authorized Representative Daniel S. Spivey, Attorney
2. Engineering Firm, Consultant, etc.: WGK, Inc. c/o Mike McKenzie, P.E.
Mailing Address: P.O. Box 318, Clinton, MS 39056
E-mail Address: mmckenzie@wgkengineers.com
Phone No. 601-925-4444 Fax No. 601-924-6708
3. Name of Mine: Highway 16 East Mine Supervisor: Lonnie Harris
Phone No. 601-946-4607 Fax No. _____
4. Location of Operation (to nearest quarter-quarter section):
NE 1/4 of NE 1/4 & NW 1/4 of NE 1/4 8 9N 4E Madison
Section Township Range County
5. Physical address of mine or nearest named road At intersection of Hwy 16 and Ratliff Ferry Road
6. Method of Operation ☒ Open Pit ☐ Strip ☐ Dredge ☐ Wash Operation, if so Water Source _____
Wash System Type ☐ Closed system ☐ Open system
7. Number of Acres to be Permitted:
Excavation 20
Haul roads, plant site, ponds,
storage piles, etc. 2.5
TOTAL PERMITTED AREA 22.5
8. Is the Permit Area located: Yes No
a. within 100 feet of a public road? ☐ ☒
b. within 100 feet of a cemetery? ☐ ☒
c. within 300 feet of an occupied building? ☐ ☒
If YES to a, b, or c, a letter must be filed with the Office giving permission from the owner or maintaining authority to mine within these distances to the subject property.
9. Materials to be Mined: Soil for construction fills

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B. MINING PROCEDURE AND ENVIRONMENTAL ANALYSIS

1. Description of materials:	2. Anticipated Schedule (month/year)
Thickness of overburden <u>1</u> ft. (Topsoil MUST be stockpiled for use during reclamation)	Begin clearing <u>05</u> / <u>2017</u>
Thickness of useable material <u>15</u> ft.	Begin mining <u>05</u> / <u>2017</u>
Total depth of excavation <u>16</u> ft.	Complete mining <u>12</u> / <u>2020</u>
Estimated annual production <u>225,000</u> tons	Begin reclamation <u>01</u> / <u>2021</u>
	Complete reclamation <u>04</u> / <u>2021</u>

3. Depth to ground water: <u>>20</u> ft.	5. Types of erosion control structures that will be utilized.
4. How will dust be controlled?	
<input checked="" type="checkbox"/> Water on haul roads	<input checked="" type="checkbox"/> Settling ponds <input checked="" type="checkbox"/> Drainage ditches
<input type="checkbox"/> _____	<input checked="" type="checkbox"/> Diversion berms <input type="checkbox"/> Terraced slopes
	<input type="checkbox"/> _____

6. Describe the land to be affected by mining as it presently exists:

a. Land use <u>Timber / cutover</u>	b. Predominant vegetation <u>natural regrowth</u>
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7. Will explosives be used? <u> </u> Yes <u>XX</u> No	8. Is test-boring data available? <u> </u> Yes <u>XX</u> No
9. Are toxic materials likely to be encountered at any time? <u> </u> Yes <u>XX</u> No	
10. Will there be any discharge to local streams or other bodies of water? <u> </u> Yes <u>XX</u> No	

If any of questions 7-10 are answered "YES," provide additional information on page 5, or attach separate pages.

C. RECLAMATION PLAN

NOTE: It is suggested that the county NRCS office be consulted for specific recommendations on the following items.

1. Describe the soil handling technique for the reclamation phase of the operation:
☒ Topsoil segregated ☐ Mixed strata ☐ _____
2. Describe the protection method for the stockpiled topsoil.
☐ berm around the storage pile
☒ grass cover on the pile (recommended)
☐ stored under a cover
☐
3. How will highwalls, standing faces, and banks be reduced to minimize erosion? (All highwalls must be sloped, minimum 3 horizontal to 1 vertical.)
☒ slopes will be terraced
☒ sloped to a gradient of 3 to 1
☐ blended with surrounding contours
☐

4. What is the general plan for reclamation?

- ☒ reforestation
☐ establish grass cover
☐ pond or lake
☐ _____

5. What planting method will be used?

- ☐ broadcast seed ☐ mechanical seeding
☒ seeding by manual labor
☐ _____

6. How will fertilizer and lime be applied and incorporated?

- ☐ harrowing ☒ broadcasting ☒ disking

7. Quantity of lime and fertilizer to be applied?

a. For initial planting

lime: 2 tons per acre

fertilizer: 13 - 13 - 13 (type) 500 pounds per acre

b. For successive years prior to 100% release

fertilizer: 13 - 13 - 13 (type) 250 pounds per acre

when: March (month)

8. Describe the planting schedule:

Tree or Seed Species	Tree spacing or lbs./acre	Planting Season
Bermuda	15 lb/acre	March - November
Bahia	40 lb/acre	March - November
Rye	20 lb/acre	November-February
Pine Trees	9 ft x 9 ft	November - March

9. Will the area be mulched? XX Yes XX No If yes, rate per acre _____

Method of holding in place: ☐ crimped ☐ _____

10. How will the vegetation be maintained until the final bond release?

☐ watering

☒ mowing

times per year 1

approximate month(s) July, _____

☒ repairing gullies

☒ replanting eroded areas

☐ _____

11. How will debris be disposed of when the mine is finally closed?

- ☒ burying ☒ burning ☐ hauling away

12. Will a soil analysis be submitted for this site? XX Yes XX No

NOTE: available from the Cooperative Extension Service through the applicant's County Agent

13. Estimated cost per acre for reclamation of this site: \$1,000 (minimum of \$1,000 per acre)

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D. NAMES AND ADDRESSES OF PERSONS AFFECTED BY THIS OPERATION

1. Landowner(s) of area to be mined/leased

Name: L.H. Harris Construction, LLC
Address: 819 Robinson Road
Canton, MS 39046
Phone: 601-946-4607

Name: _____
Address: _____
Phone: _____

2. Landowner(s) within 500 feet of the area

Name: See attached listing
Address: _____
Phone: _____

Name: _____
Address: _____
Phone: _____

Name: _____
Address: _____
Phone: _____

Name: _____
Address: _____
Phone: _____

3. Person(s) living on permit area

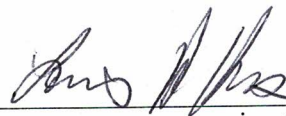
Name: _____
Address: _____
Phone: _____

Name: _____
Address: _____
Phone: _____

I declare that I have knowledge of the facts presented in the preceding pages and in all of the items attached to this application; furthermore, I certify that they are true to the best of my knowledge.

4/5/17

date



signature

Lonnie H. Harris

printed name

President

title

APR 10 2017

Item
Number

Space for detailed answers to any of the previous items. Indicate item number to which the answers apply.

10

Mining Stormwater, Dewatering & No Discharge Permit

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Form MRD-3, Rev. 6-07

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Wayne Welch
100 Robin Lane
Union, MS 39365

Westtower Leasing Inc.
American Tower Asset Sub LLC
P.O. Box 723597
Atlanta, GA 31139

Potlatch Land & Lumber LLC
601 West First Ave. STE 1600
Spokane, WA 99201

Joann Turner
312 Cisne Ave.
Canton, MS 39046

Jimmy Dale Warren Life Estate
Anthony G Ward
P.O. Box 327
Canton, MS 39046

Montgomery Grant Development, INC
P.O. Box 1039
Canton, MS 39046

Lewis Stewart
500 Cowan Street
Canton, MS 39046

Trina Davis Nichols
113 Brown Road West
Canton, MS 39046

Lonnie Harris
819 Robinson Road
Canton, MS 39046

Dorothy Ann Divine
3000 Hwy 16 E
Canton, MS 39046

SHARON QUAD

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BOUNDARY OF MINING PERMIT
APPROXIMATELY 22.5 ACRES

32.643844° N
89.906031° W

32.643833° N
89.902483° W

20 ACRES

32.641786° N
89.906067° W

32.641911° N
89.901453° W

32.641911° N
89.903817° W

32.641806° N
89.903261° W

32.640897° N
89.902531° W

32.641064° N
89.902078° W

32.640167° N
89.902172° W

32.640194° N
89.901881° W

2.5 ACRES

CURRENT ACCESS
ROAD TO HWY 16

MS HWY 16

RATLIFF FERRY RD.

EAST MADISON WATER
ASSOCIATION WATER WELL,
0.3 MILES FROM MINE

- 1) ONE WATER WELL WITHIN 0.5 MILES OF MINE
- 2) MINE IS ADJACENT TO PUBLIC ROAD
- 3) MINIG WILL OCCUR ON HILLSIDES AND SURFACE DRAINAGE WILL NOT BE CHANGED



ENGINEERS & SURVEYORS

DATE
11/23/16

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BLM

HWY 16 DIRT PIT
MDEQ MINING PERMIT
MAP #1 - TOPO MAP

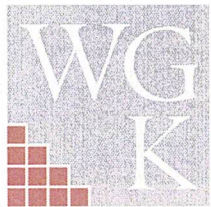
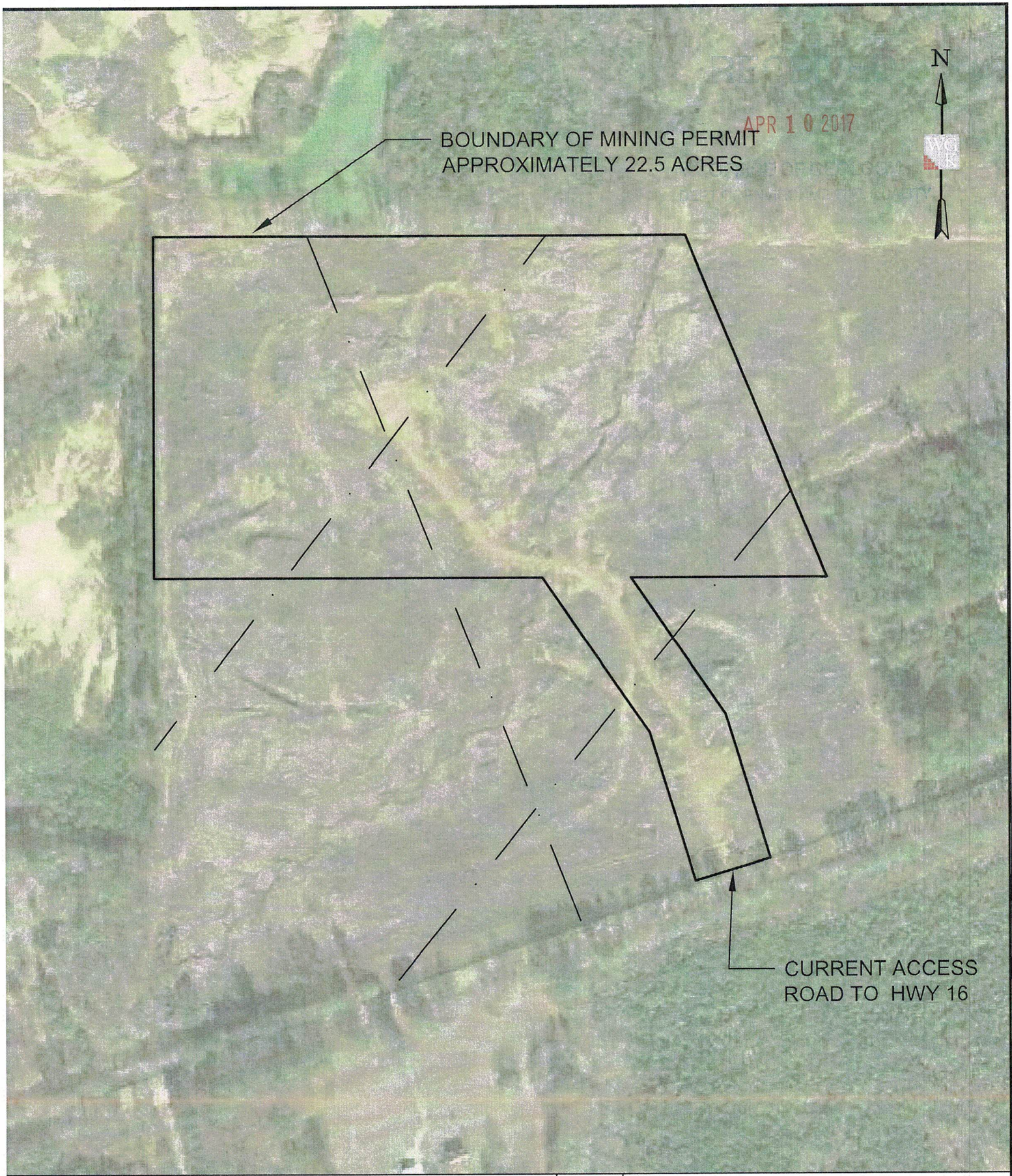
_HWY 16 DIRT PIT/DWG

SCALE: 1" = 1000'

WGK# - 16-402

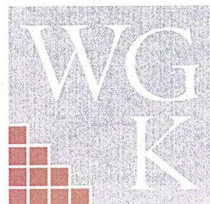
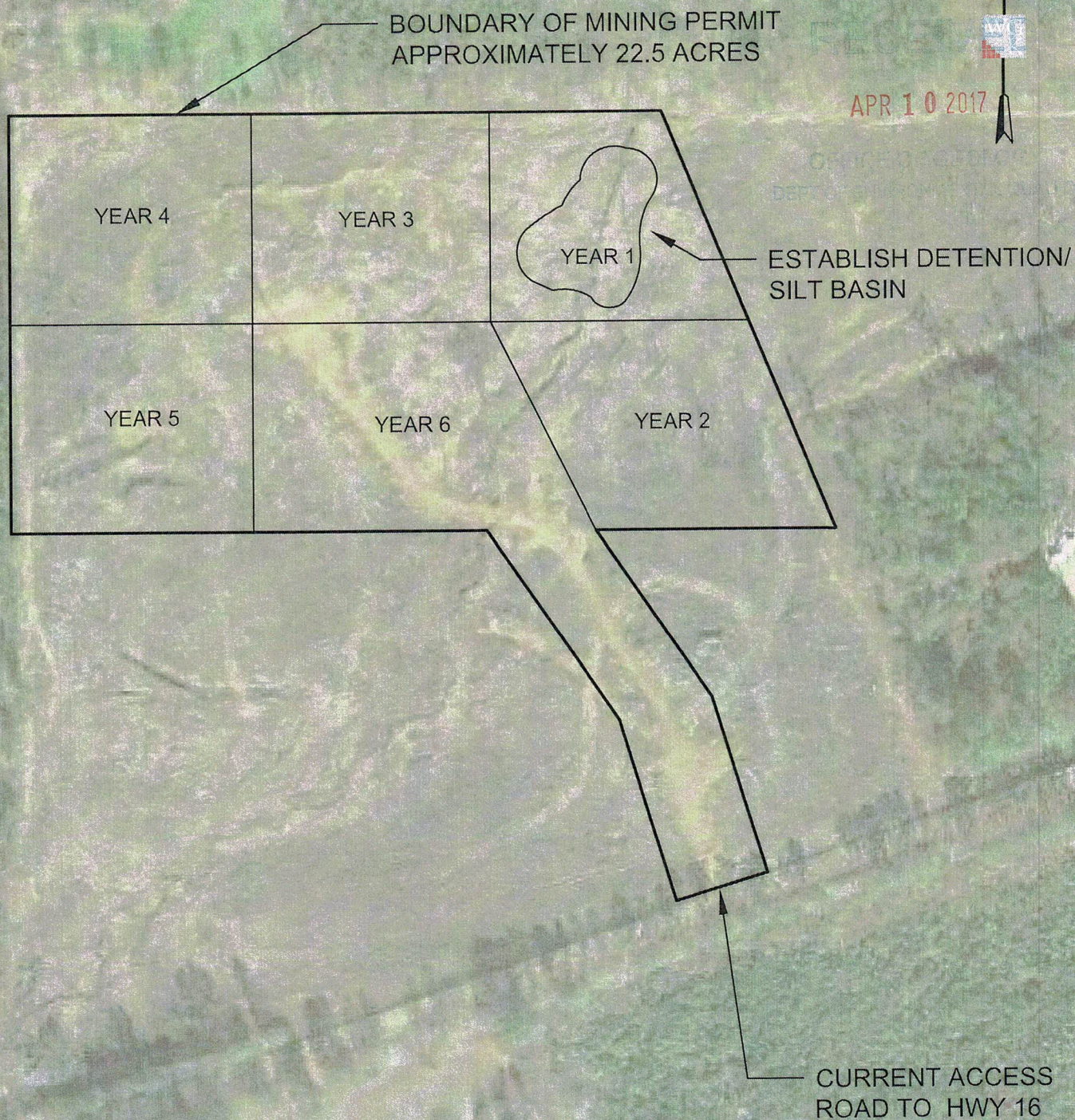
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V:\Lonnie Harris\2016-402-00 Hwy 16 Dirt Pit\dwg\USGS topo map.dwg, 2/7/2017 4:22:15 PM

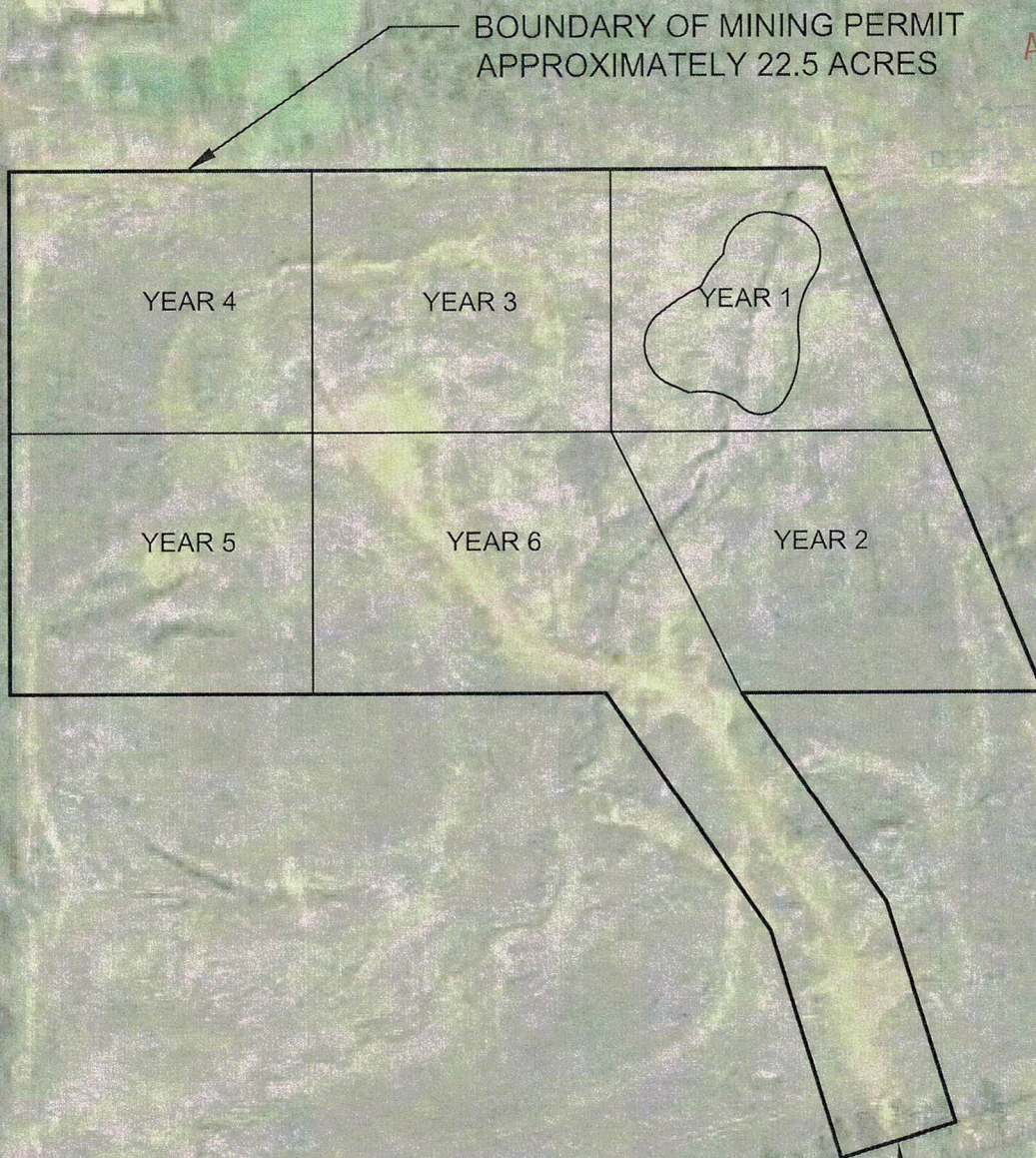


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DATE 11/23/16	HWY 16 DIRT PIT MDEQ MINING PERMIT MAP #2 - GENERAL SITE PLAN	
DRAWN BY BLM		
_HWY 16 DIRT PIT/DWG		2
SCALE: 1" = 250'	WGK# - 16-402	

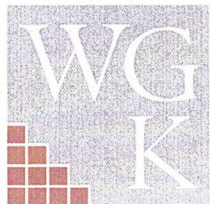


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1) RECLAMATION WILL CONSIST OF GRADING EXCAVATION AREA TO TILLABLE CONTOURS, REPLACEMENT OF TOPSOIL AND RETURNING TO AGRICULTURES LEASE.

2) AREA WILL BE GRASSED UNLESS PLANTING SEASON IS CLOSE ENOUGH TO AVOID GRASSING.



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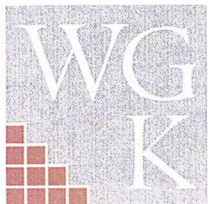
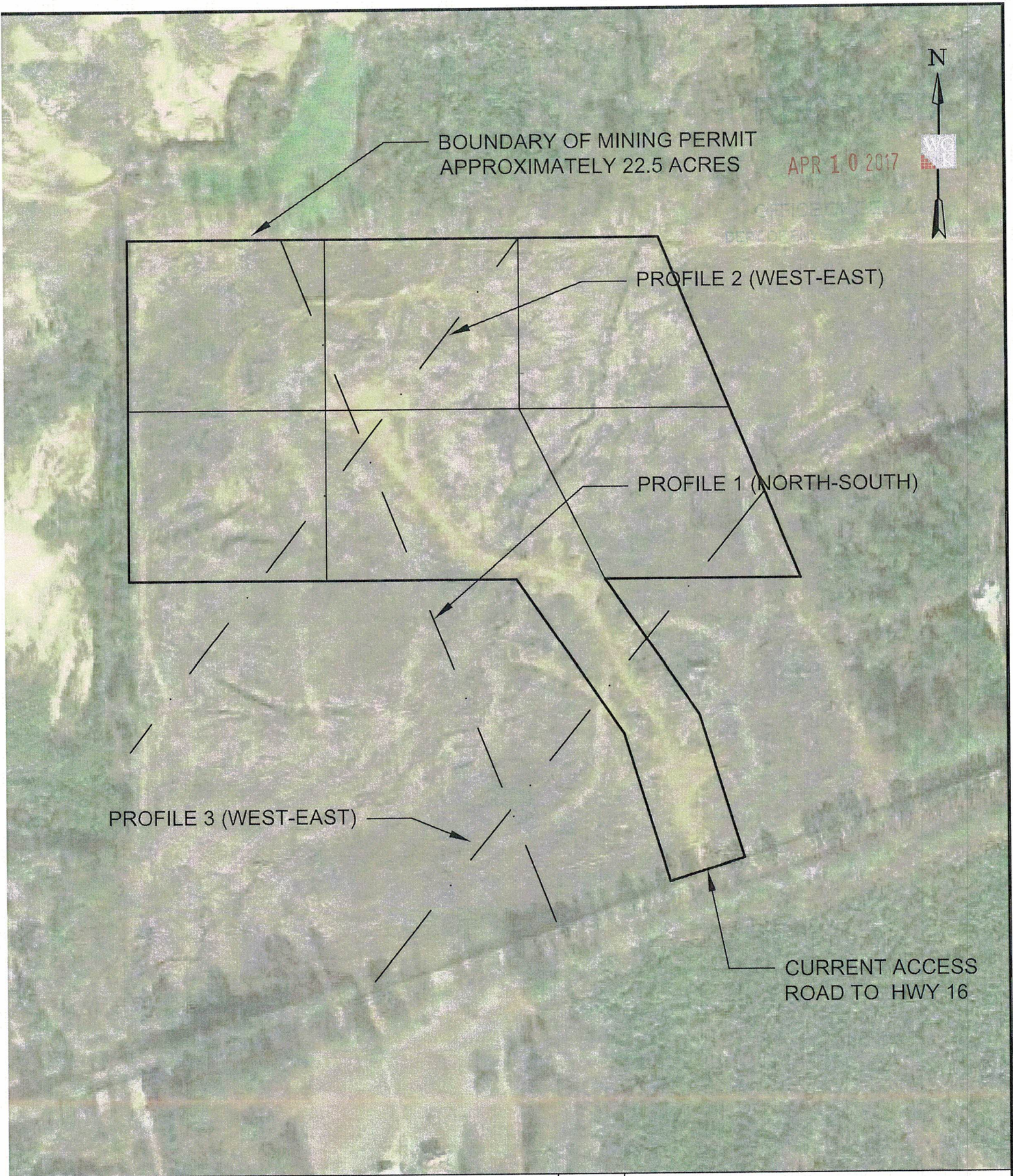
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HWY 16 DIRT PIT
MDEQ MINING PERMIT
MAP #4 - YEARLY RECLAMATION PLAN

_HWY 16 DIRT PIT/DWG

SCALE: 1" = 250'

WGK# - 16-402



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HWY 16 DIRT PIT
MDEQ MINING PERMIT
MAP #5A - PROFILE LOCATIONS

_HWY 16 DIRT PIT/DWG

SCALE: 1" = 250'

WGK# - 16-402

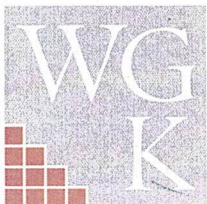
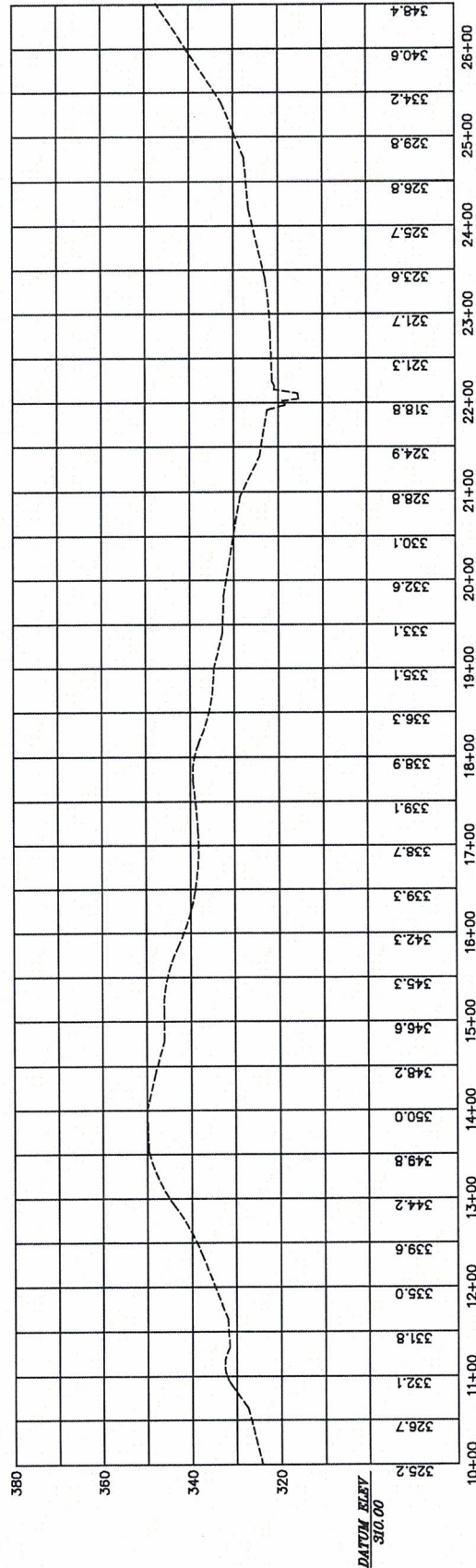
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Profile 1 (North-South)



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HWY 16 DIRT PIT
MDEQ MINING PERMIT
MAP #5B - PROFILE (NORTH-SOUTH)

HWY 16 DIRT PIT/DWG

SCALE: 1" = 200'

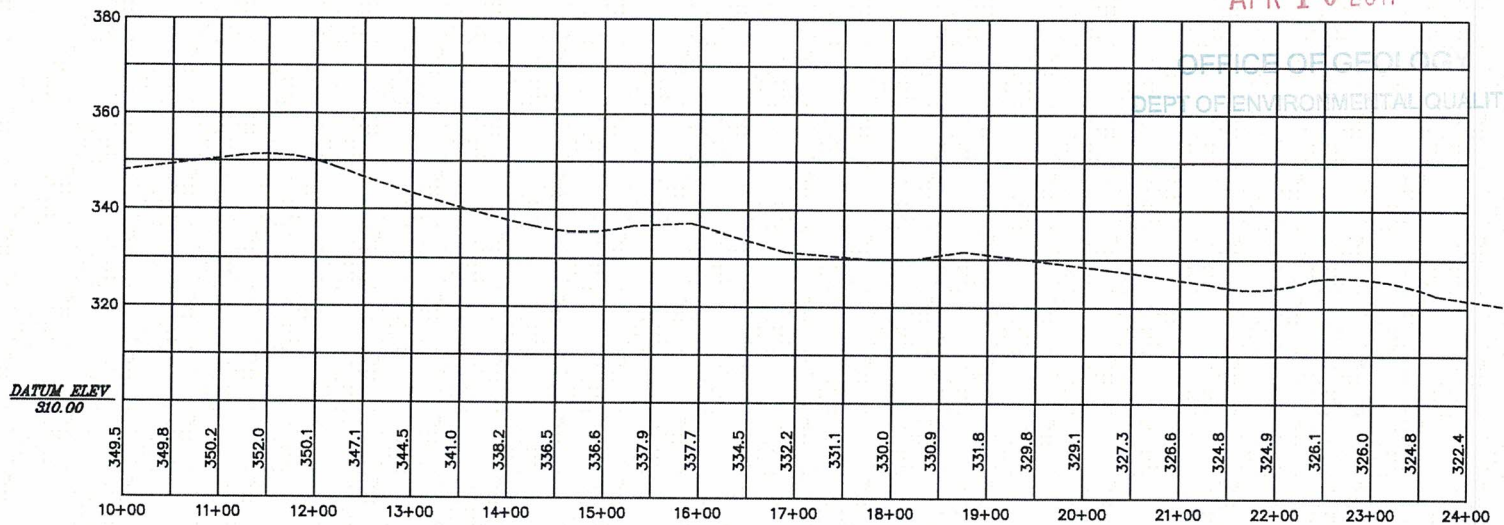
WGK# - 16-402

5B

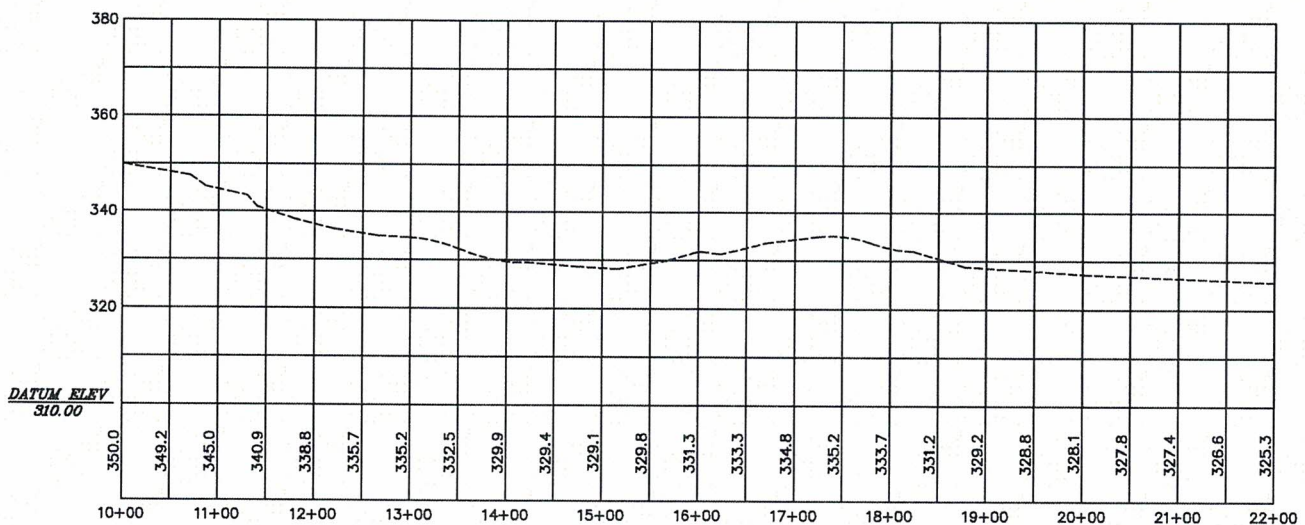
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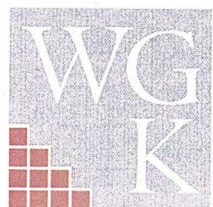
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Profile 2 (West-East)



Profile 3 (West-East)



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DATE 11/23/16	HWY 16 DIRT PIT MDEQ MINING PERMIT MAP #5C - PROFILES (WEST-EAST)		
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_HWY 16 DIRT PIT/DWG			5C
SCALE: 1" = 200'	WGK# - 16-402		

5C

SHARON QUAD

BOUNDARY OF MINING PERMIT
APPROXIMATELY 22.5 ACRES

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20 ACRES

2.5 ACRES

CURRENT ACCESS
ROAD TO HWY 16
TO REMAIN

MS HWY 16

RATLIFF FERRY RD.

1) EXISTING DRAINAGE PATTERNS TO REMAIN AND
DRAIN SITE TOWARDS NEW PROPOSED 2-3 ACRE
LAKE SHOWN ABOVE.



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HWY 16 DIRT PIT
MDEQ MINING PERMIT
MAP #1 - TOPO MAP

_HWY 16 DIRT PIT/DWG

SCALE: 1" = 500'

WGK# - 16-402

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