October 14, 2020

Ms. Tonya Kelley
Jefferson County Commission
Environmental Services Department
Suite A-300
716 Richard Arrington Jr Blvd. N
Birmingham, Alabama 35203

RE: Hilltop Recycling, LLC
Hilltop Recycling Center – C & D Landfill Permit Application

Dear Ms. Kelley:

On behalf of Hilltop Recycling LLC, McGehee Engineering Corp (MEC) is submitting the following revised Construction/Demolition Landfill Permit Application for your review. The revised application contains the additional information requested by your department

If you have any questions or need any additional information, do not hesitate to contact me at (205) 221-0686 or via e-mail at Brad.Youngblood@mcgehee.org.

Sincerely,

McGehee Engineering Corp.

Brad Youngblood
Digitally signed by Brad Youngblood
DN: cn=Brad Youngblood, o=1, ou=1, email=brad.youngblood@mcgehee.org, c=US
Date: 2020.10.15 10:10:58 -05'00'

Brad Youngblood, P.E.
Engineering Manager

Attachments:

(A) Hilltop Recycling, LLC – Hilltop Recycling Center – C & D Landfill Permit Application

Attachment “A”

Hilltop Recycling, LLC – Hilltop Recycling Center – C & D Landfill Permit Application

Post Office Box 3431 • 450 19th Street • Jasper, Alabama 35502-3431 • 205-221-0686 • Fax 205-221-7721 • Brad.Youngblood@mcgehee.org

APPENDIX “A”

APPLICATION FOR HOST GOVERNMENT APPROVAL

DATE OF APPLICATION SUBMITTAL: 09/11/2020

1. PROPOSED NAME OF FACILITY:
Hilltop Recycling LLC -- Hilltop Recycling Center

2. APPLICANT:

Name Hilltop Recycling LLC

Address P.O. Box 352

Mount Olive, Alabama 35117

Telephone 205-368-8260

If applicant is a Corporation, list Officers: William A Cousins - President

If applicant is a Partnership, list principals:

Principal Stockholders:

3. PROPOSED FACILITY TYPE:

_____ MSW LANDFILL

__X__ C & D LANDFILL

_____ INDUSTRIAL LANDFILL

_____ PROCESSING FACILITY (Describe)

_____ OTHER (Explain)

3. CONTACT PERSON(S): (if different from No. 2)

Name (1) Brad Youngblood (2) Stephen Blankenship

Address P.O. Box 3431 P.O. Box 3431

Jasper, Alabama 35502-3431 Jasper, Alabama 35502-3431

Telephone 205-221-0686 205-221-0686

4. LANDOWNER: (if different from No. 2)

Attach a copy of the agreement from landowner giving permission to use site for the intended purpose.

Name William A. Cousins

Address P.O. Box 361370

Birmingham, Alabama 35244

Telephone 205-368-8260

5. SITE DESCRIPTION:

a. Location: Township 15 South Range 4 West

Section 13 & 24 ¼ Section(s) SE/SE Sec. 13 & NE 1/4 Sec. 24

NW 1/4 Section 19, Township 15 South Range 3 West -- See attached Location Map

b. Attach location map with the site clearly identified. Acceptable maps include a USGS 7.5 or 15 minute series, a county highway map published by the State DOT, or approved equivalent.

c. Attach a legal property description and boundary plat of the proposed facility prepared by a land surveyor.

d. Size of disposal facility (actual area to be utilized) 75 acres.

e. Total area of property (if different from d.) 128 acres.

6. ADJACENT LANDOWNERS:

a. Submit a list of all adjacent landowners including name and current mailing address.

b. Submit a map identifying the proposed disposal site and all adjacent landowners listed in (a) above. State the source of your information.

Ownership Information provided by Owners Deed and Jefferson County Parcel GIS

7. WASTE DESCRIPTION:

a. Describe and list all waste streams to be accepted at the facility. Be specific (household solid waste, wood boiler ash, foundry sand, discarded tires, dried sludge, limbs and stumps, etc.)

The primary wast to be received will be Non-Hazardous Construction and Demolition debris including but not limited to materials such as: wood products trees, limbs, concrete, paper, cardboard, scrap metal, packing materials and scrap tires.

See the attached sheet titled "Section 7. Waste Description: Part A. - G. Additional Information"

b. What is the estimated maximum daily volume of waste to be received at the facility? 150 cubic yards per day (indicate tons/day or yd^3/day)

c. What geographic area or specific industry will waste be accepted from? (be specific) The proposed facility would be open to the general southeastern region; however, the primary industry would be local development contractors within and surrounding Jefferson County.

d. Haulage of waste to the facility will be by whom? Public

e. Describe the principle type of transportation vehicle to be used to transport waste: Tandem axle dump trucks

f. Approximately 10 vehicles per day (max.) will be generated as additional traffic on the main collector road to this solid waste facility.

g. Describe all proposed environmental monitoring systems (i.e. groundwater, explosive gas, leachate collection, liner systems). If required by ADEM, Gas monitoring wells will be placed around the perimeter for annual monitoring. If required by ADEM, groundwater monitoring wells will be installed.

The environmental control will be the Surface Water Management. The Surface Water Management environmental controls will include but not limited to: construction and maintenance of run-on / run-off control structures to control the discharge of pollutants in stormwater. In addition, liter and fire control measures will be implemented.

8. SITING STANDARDS:

a. Is the facility located within the 100-year flood plain?

YES _____ NO X

Provide a current flood insurance rate map with the site identified.

See the attached sheet titled "Section 8. Siting Standards: Part A. - F. Additional Information"

b. Is the facility located so as to protect surface water and groundwater?

YES X NO _____

Explain on an attached sheet.

c. Is a discharge to surface water proposed that may require an NPDES Permit?

YES _____ NO X

Explain on an attached sheet.

d. Is a discharge of dredged material or fill material into waters of the state proposed which may require a permit under Section 404 of the Clean Water Act?

YES _____ NO X

e. The bottom elevation of solid waste shall be a minimum of five feet above the seasonal high groundwater table or bedrock. The minimum depth to (CIRCLE ONE: Bedrock, groundwater) at this site is 47 Feet (BLS) feet. (Attach map showing location)

f. Are any sink holes, ponds, springs, swamps, streams, or drainage courses located within the disposal area?

YES _____ NO X

If YES, explain._____

g. Identify any airport runway located within 10,000 feet of the site?

There are no airports or runways located within 10,000 feet of the proposed landfill site.

The nearest runway is located in Birmingham, AL approximately thirteen (13) miles away.

h. How many landfills (or similar type facility) are within a ten (10) mile radius of this proposed facility? There are only three landfills within a 10 mile radius of the proposed landfill site. Only one of which is in the immediate service area in Mount Olive. The proposed landfill is only for C&D Material unlike the other landfills.

i. Does the entrance to the facility meet current standards for sight distance? (Note: The County Engineer's office will review any proposed design that impacts County roads)___
Yes; The entrance to be used is an existing entrance already in place and approved for usage from a previous zoning for an Amusement facility.

j. Will any stormwater runoff be directed to a road right-of-way? If so, describe.
No; The county road and entrance is over a half mile from the landfill disposal area. The entrance already exists and will not require any new development to tie into the county road.

9. GENERAL:

a. Describe how the property boundaries will be clearly and permanently marked.
The property boundary will be easily identified and will be staked out and flagged. Additionally, there will be boundary fencing and secure gates in place.

b. Describe and/or show your planned progression of fill from beginning operation through closure. There are two disposal areas, Area No. 1 & Area No. 2. The disposal areas will be used simultaneously by filling from the lower elevations first and progressing to the higher elevation.
Disposal Area Cross-Sections Attached.

c. The life expectancy of the facility is 20-25 years.

d. How will indiscriminate dumping be prevented (gates, fencing, etc.)?
The property is gated and video monitored. When the landfill is accepting material, personnel will be available to receive and inspect disposal material.

e. Describe what equipment will be utilized in the disposal operation.
Track hoe and dozier equipment will be used to spread and cover the material in addition to ensuring it is placed in the proper disposal area.

f. Describe what personnel will be utilized in the disposal operation.
Only experienced and trained equipment operators will be hired and utilized on-site during receiving hours to properly spread and monitor the disposal operation. Receiving station personnel will also be on-site to weigh and record all disposals.

g. The applicant is responsible for compliance with all other requirements identified by applicable statutes and the ADEM Administrative Code.

10. Alabama Code § 22-27-48:
Describe how the proposed facility shall meet each of the criteria set forth in Alabama Code § 22-27-48.

a. The consistency of the proposal with the jurisdiction's solid waste management need as identified in its plan;

b. The relationship of the proposal to local planned or existing development or the absence thereof, to major transportation arteries and to existing state primary and secondary roads;

c. The location of the proposed facility in relationship to existing industries in the state that generate large volumes of solid waste, or the relationship to the areas projected for development of industries that will generate solid waste;

d. Cost and availability of public services, facilities and improvements required to support the proposed facility and protect public health, safety and the environment;

e. The impact of proposed facility on public safety and provisions made to minimize the impact on public health and safety; and

f. The social and economic impacts of the proposed facility on the affected community, including changes in property values, and social or community perception.

CERTIFICATION:

I, William A. Cousins, certify under penalty of law that this document and all attachments submitted are to the best of my knowledge and belief, true, accurate, and complete.

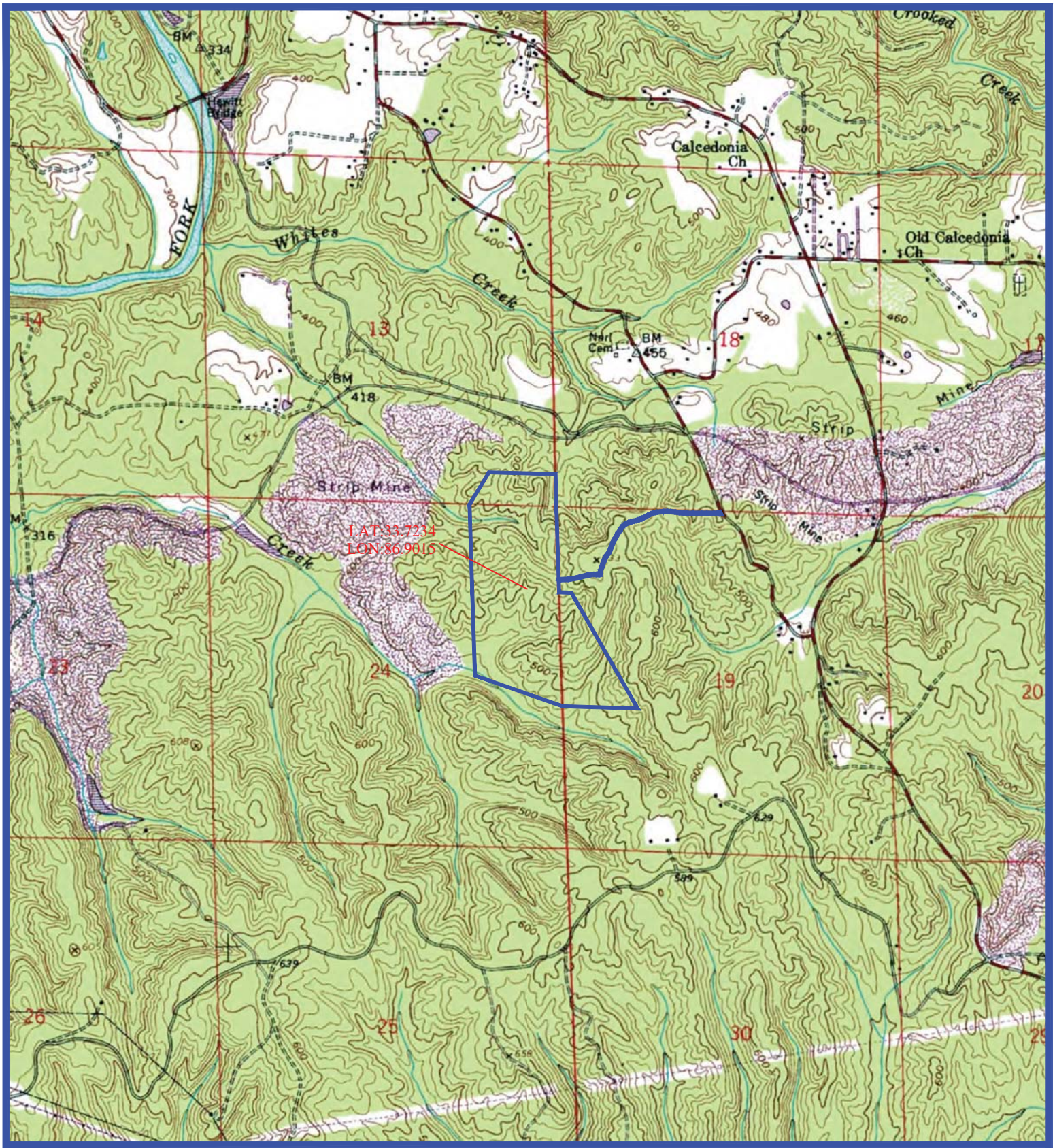
SIGNATURE : William A. Cousins
(Signature of Corporate Officer, Partner, Mayor, Chairman, etc.)

William A. Cousins
(Printed Name and Title)

SIGNATURE : Bradley Youngblood
(Signature of Registered Professional)

BRADLEY YOUNGBLOOD – ENGINEERING MANAGER
(Printed Name and Title)

(Professional Seal)



SCALE: 1" = 2000'
March 20th, 2020
Map Size: 8.5"x11"

HILLTOP RECYCLING LLC
HILLTOP RECYCLING CENTER

(APPROXIMATELY 128 ACRES TOTAL)

PROJECT AREA MAP

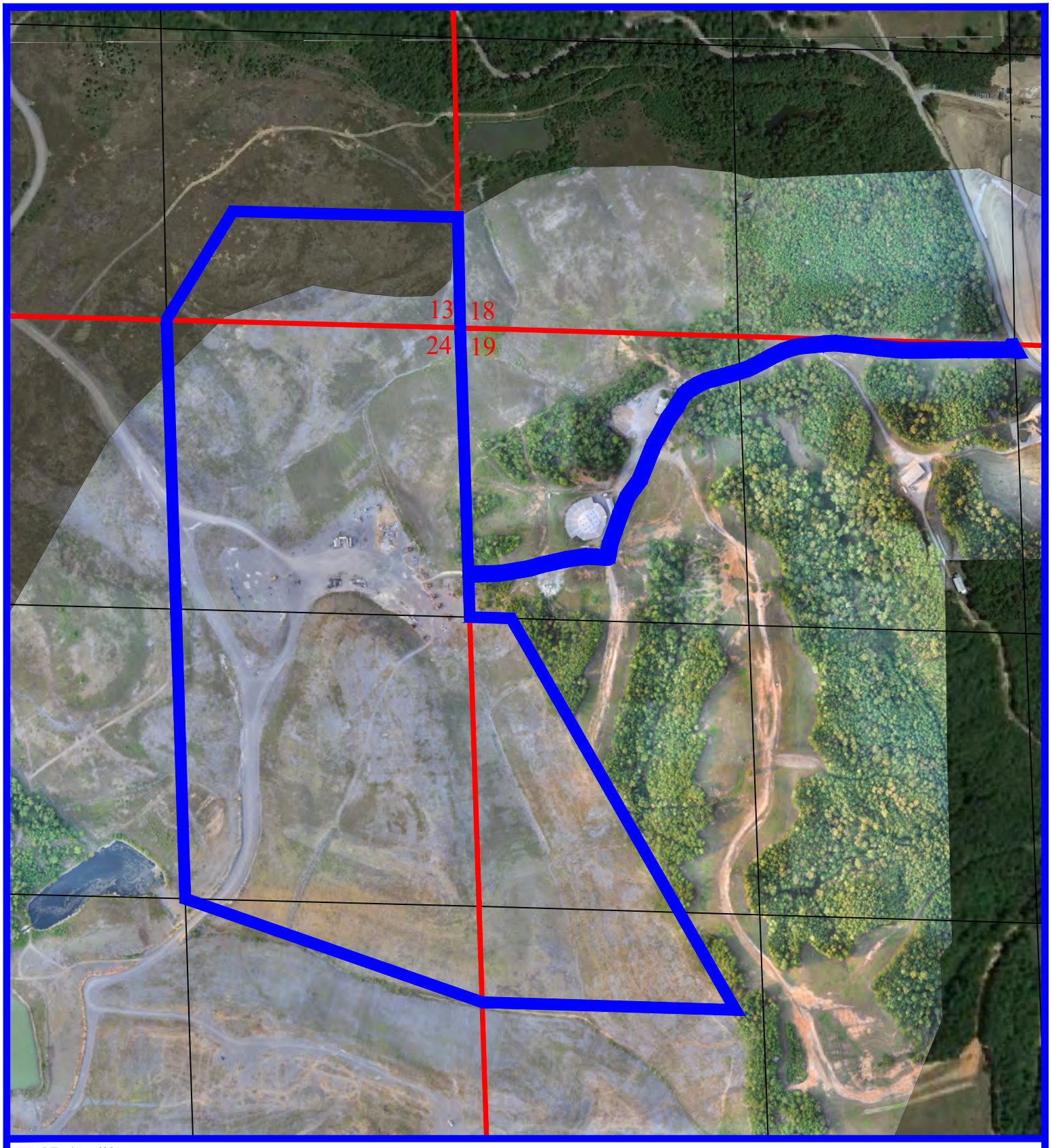
SECTION 19, TOWNSHIP 15 SOUTH, RANGE 3 WEST,
SECTION 13, & 24, TOWNSHIP 15 SOUTH, RANGE 4 WEST,
ALL IN JEFFERSON COUNTY, ALABAMA
AS FOUND ON THE BROOKSIDE, ALABAMA USGS QUADRANGLE (1986)

HILLTOP RECYCLING CENTER BOUNDARY

N
W E
S

Latitude: 33.7234° N
Longitude: -86.9015° W

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: stephenb@mcgehee.org



SCALE: 1" = 600'
March 20th, 2020
Map Size: 8.5"x11"

HILLTOP RECYCLING LLC
HILLTOP RECYCLING CENTER

(APPROXIMATELY 128 ACRES TOTAL)

AERIAL PHOTO

SECTION 19, TOWNSHIP 15 SOUTH, RANGE 3 WEST,
SECTION 13, & 24, TOWNSHIP 15 SOUTH, RANGE 4 WEST,
ALL IN JEFFERSON COUNTY, ALABAMA
AS FOUND ON THE BROOKSIDE, ALABAMA USGS QUADRANGLE

N
W E
S

HILLTOP RECYCLING CENTER BOUNDARY

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: stephenb@mcgehee.org

Latitude: 33.7234° N
Longitude: -86.9015° W

NORTH BASED ON ALABAMA
GRID NORTH NAD 83 (WEST ZONE)

0 200 400 600

LEGEND

These standard symbols will
be found in the drawing.

- CALCULATED POSITION FOR SECTION & 1/4 - 1/4 CORNERS
- CALCULATED POSITION FOR PERMIT BOUNDARY CORNERS
- CALCULATED POSITION FOR LANDFILL DISPOSAL AREA
- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- PERMIT LINE BOUNDARY
- LANDFILL DISPOSAL AREAS
- NOT TO SCALE

Landfill Permit Boundary Description

A permit boundary line description for a landfill disposal area located in a part of the SE ¼ of the SE ¼ of Section 13, all of the East ½ of the NE ¼ of Section 24, and a part of the NE ¼ of the SE ¼ of Section 24 of Township 15 South, Range 4 West, and also a part of the SW ¼ of the NW ¼ and of the NW ¼ of the SW ¼ of Section 19, Township 15 South, Range 3 West, Jefferson County, Alabama, described as follows: **Begin** at the NE corner of the NE ¼ of the NE ¼ of said Section 24 and run S 1°37'44" E, along the East ¼ - ¼ line, 1302.13 feet to the SE corner of said ¼ - ¼ section; thence run S 87°56'44" E, along the North line of the SW ¼ of the NW ¼ of said Section 19, 183.89 feet; thence S 29°40'04" E, 2044.18 feet to a point located in the NW ¼ of the SW ¼ of said Section 19; thence N 88°02'03" W, 1146.68 feet to a point on the East line of the NE ¼ of the SE ¼ of said Section 24; thence N 70°03'23" W, 1425.37 feet to the SW corner of the SE ¼ of the NE ¼ of said Section 24; thence N 1°40'02" W, along the West line of the East ½ of the NE ¼ of said Section 24, 2611.33 feet to the SW corner of the SE ¼ of the SE ¼ of said Section 13; thence N 32°04'36" E, 573.03 feet; thence S 87°57'30" E, 1019.36 feet to the East line of the SE ¼ of the SE ¼ of said Section 13; thence S 0°42'57" E, along said East ¼ - ¼ line, 500.61 feet to the **Point of Beginning**. Said described permit area contains 126.14 acres.

Landfill Disposal Area 1 Description

A landfill disposal area description located in a part of the SE ¼ of the NE ¼ of Section 24 of Township 15 South, Range 4 West, and also in a part of the SW ¼ of the NW ¼ and of the NW ¼ of the SW ¼ of Section 19, Township 15 South, Range 3 West, Jefferson County, Alabama, described as follows: **Begin** at the SE corner of the SE ¼ of the NE ¼ of said Section 24 and run N 88°05'15" W, along the South ¼ - ¼ line, 801.43 feet; thence N 1°37'36" W, 1304.22 feet to the North line of said SE ¼ of the NE ¼; thence S 87°56'16" E, along the North ¼ - ¼, 701.30 feet; thence S 1°37'44" E, 100.23 feet; thence S 87°56'44" E, 221.91 feet to a point located in the SW ¼ of the NW ¼ of said Section 19; thence S 29°40'04" E, 1809.37 feet; thence N 88°02'03" W, 951.80 feet; thence N 70°03'23" W, 23.72 feet to a point on the West line of the NW ¼ of the SW ¼ of said Section 19; thence N 1°37'44" W, along said West ¼ - ¼ line, 334.50 feet to the **Point of Beginning**. Said described landfill disposal area contains 43.07 acres.

Landfill Disposal Area 2 Description

A landfill disposal area description located in a part of the SE ¼ of the SE ¼ of Section 13 and in the NE ¼ of the NE ¼ of Section 24 of Township 15 South, Range 4 West, Jefferson County, Alabama, described as follows: **Commence** at the NE corner of the NE ¼ of the NE ¼ of said Section 24 and run N 87°47'18" W, along the North ¼ - ¼ line, 100.23 feet to the **Point of Beginning** of the herein described disposal area; thence S 1°37'44" E, 873.79 feet; thence N 88°28'14" W, 1128.38 feet; thence N 1°40'02" W, 863.74 feet; thence N 32°04'36" E, 485.00 feet to a point located in the SE ¼ of the SE ¼ of said Section 13; thence S 87°57'30" E, 866.36 feet; thence S 0°42'09" E, 400.18 feet to the **Point of Beginning**. Said described landfill disposal area contains 31.83 acres.

NOTE: All property line data and corner information as shown on this drawing, was derived from Gps RTK survey ties to some of the same corners that Drummond Company Inc. located when they established section closures for these sections before some of the recent surface mining was done. McGehee Engineering survey located enough of these old corners to re-establish the section data for these sections as shown on this property map.

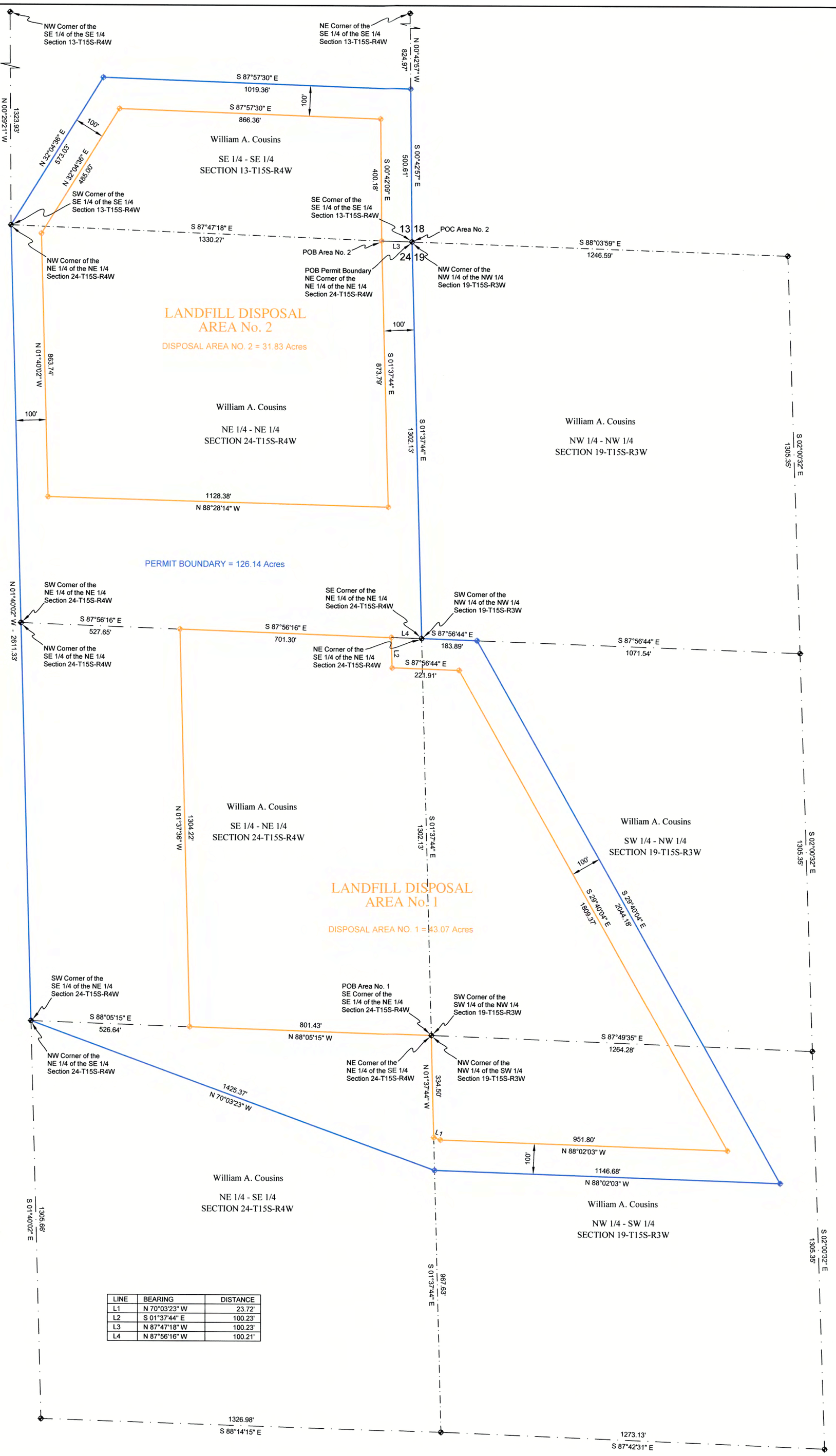
I hereby certify (or state) that all parts of this drawing have been derived from the old Drummond Company Inc section closure data as noted on this drawing, and that I have calculated the section lines and 1/4 - 1/4 section lines as shown and noted herein, and that I have described these boundaries from Gps RTK survey ties to some of the old corners, and that the boundary description data on this drawing is accurate, to the best of my knowledge, information, and belief.

Witness my hand this the 15th day of July, 2020

Hancel L. Cox

Hancel L. Cox, P.L.S.
Alabama Lic. No. 17832

ALABAMA REGISTERED No. 17832 PROFESSIONAL LAND SURVEYOR HANCEL L. COX



LINE	BEARING	DISTANCE
L1	N 70°03'23" W	23.72'
L2	S 01°37'44" E	100.23'
L3	N 87°47'18" W	100.23'
L4	N 87°56'16" W	100.21'

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
web page: mcgehee.org

SOURCE OF INFORMATION USED: Old Drummond Company Inc. Section Closure Plats that have been Rotated to Gps RTK NAD83 Datum by Survey Locating Some of the Same Corners as DCI

SOURCE OF TITLE : Volume 200001, Page 1283 and a recent Deed from Alawest-AL, L.L.C. to William A. Cousins

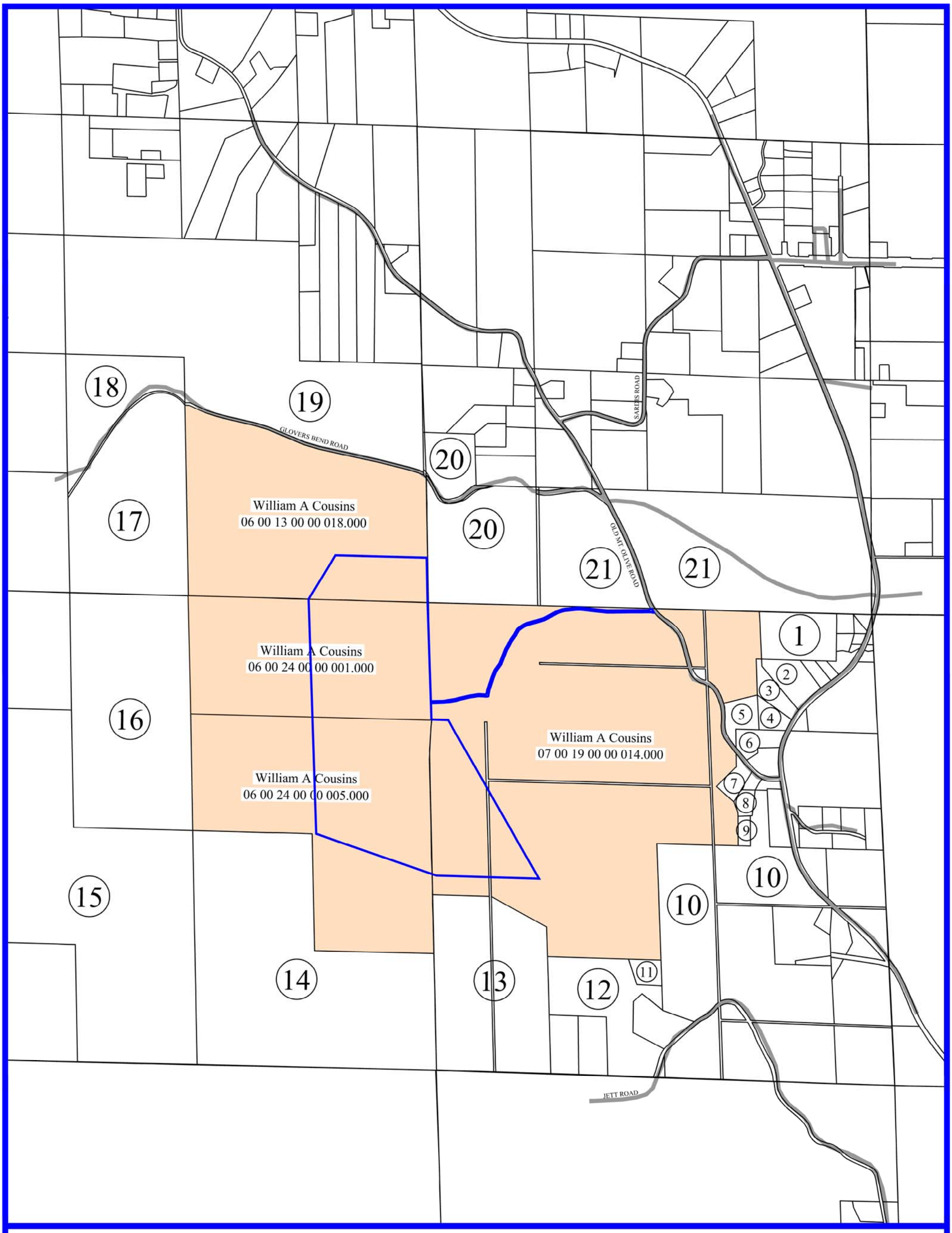
DWG. NO.: U:\SurvCADD\Survey Projects\Hilltop Recycling\2020-Data\Landfill-Plat.Dwg

DRAWN BY: HLC
DATE: 04/03/20
UPDATED: 07/15/20
SCALE: 1" = 200'

APPROVED BY: HLC

Hilltop Recycling LLC Property Map for Permit Boundary & Landfill Disposal Areas
Property Located in the SE 1/4 of the SE 1/4 Sec. 13 and in the East 1/2 of the NE 1/4 Sec. 24 and in the NE 1/4 of the SE 1/4 of Sec. 24-T15S-R4W and also in the SW 1/4 of the NW 1/4 and in the NW 1/4 of the SW 1/4 of Sec. 19-T15S-R3W
Jefferson County, Alabama

SHT. NO. 1 / 1



SCALE: 1" = 1000'
October 9th, 2020
Map Size: 11" x 17"

HILLTOP RECYCLING, LLC.
HILLTOP RECYCLING CENTER
(APPROXIMATELY 128 ACRES TOTAL)

PARCEL MAP

SECTION 19, TOWNSHIP 15 SOUTH, RANGE 3 WEST,
SECTION 13, & 24, TOWNSHIP 15 SOUTH, RANGE 4 WEST,
ALL IN JEFFERSON COUNTY, ALABAMA
AS FOUND ON THE BROOKSIDE, ALABAMA U.S.G.S. QUADRANGLE

LANDFILL PERMIT BOUNDARY

PARCELS CONTAINING LANDFILL

(20) ADJACENT PARCEL MAP ID

N
W E
S

Latitude: 33.7234° N
Longitude: -86.9015° W

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: stephenb@mcgehee.org

ADJACENT PARCEL & PROPERTY OWNER INFORMATION

MAP #	PARCEL #	OWNERS NAME	PHYSICAL ADDRESS	CITY, STATE, ZIP CODE	MAILING ADDRESS	CITY, STATE, ZIP CODE
1	07 0019 0 000 007.000	DAUGHERTY HUNTER	4940 MOUNT OLIVE RD	GARDENDALE, AL35071	PO BOX 1844	GARDENDALE, AL 35071
2	07 00 19 0 000 006.004	STRICKLIN BOBBY C & MYRA R	4812 MOUNT OLIVE RD	GARDENDALE, AL35071	4812 MOUNT OLIVE RD	GARDENDALE, AL 35071
3	07 00 19 0 000 014.001	STRICKLIN BOBBY & MYRA	4810 MOUNT OLIVE RD	GARDENDALE, AL35071	4812 MOUNT OLIVE RD	GARDENDALE, AL35071
4	07 00 19 0 000 014.002	LAMBERT DANIELL & HEATHER	4808 MOUNT OLIVE RD	GARDENDALE, AL35071	4808 MOUNT OLIVE RD	GARDENDALE, AL35071
5	07 00 19 0 000 014.003	RUSSELL FRANKLIN E JR	7426 OLD MOUNT OLIVE RD	GARDENDALE, AL35071	7426 OLD MOUNT OLIVE RD	GARDENDALE, AL35071
6	07 00 19 0 000 016.000	LEHMAN WILLIAM MYRON & MARGARET L	7354 OLD MOUNT OLIVE RD	GARDENDALE, AL 35071	7354 OLD MOUNT OLIVE RD	GARDENDALE, AL35071
7	07 00 19 0 000 027.001	GREEN CELIA A	7337 OLD MOUNT OLIVE RD	GARDENDALE, AL35071	7337 OLD MOUNT OLIVE RD	GARDENDALE, AL35071
8	07 00 19 0 000 026.001	COXWELL JOHN HOGAN JR	7316 LEE TRAIL	GARDENDALE, AL 35071	7316 LEE TRAIL	GARDENDALE, AL 35071
9	07 00 19 0 000 026.002	COXWELL JOHN HOGAN JR	7320 LEE TRAIL	GARDENDALE, AL 35071	7316 LEE TRAIL	GARDENDALE, AL 35071
10	07 00 19 0 000 026.000	COUSINS WILLIAM A &	1640 POPLAR LN	GARDENDALE, AL35071	PO BOX 352	MOUNT OLIVE, AL35117
11	07 00 19 0 000 037.001	ROBERTSON DEBRA	1733 JETT RD	MOUNT OLIVE, AL 35117	1733 JETT RD	MOUNT OLIVE, AL 35117
12	07 00 19 0 000 037.000	WHITSON BETTY SUE	1737 JETT RD	MOUNT OLIVE, AL 35117	1737 JETT RD	MOUNT OLIVE, AL 35117
13	07 00 19 0 000 038.000	HUGULEY JOHN & NORMA	1775 JETT RD	MOUNT OLIVE, AL 35117	181 HORSESHOE DRIVE	QUINTON, AL 35130
14	06 00 24 0 000 006.000	ALAWEST-AL LLC	2810 GLOVERS BEND RD	GARDENDALE, AL35071	PO BOX 412	NORTHPORT, AL 35473
15	06 00 24 0 000 004.000	COUSINS WILLIAM A	2910 GLOVERS BEND RD	GARDENDALE, AL35071	PO BOX 352	MOUNT OLIVE, AL 35117
16	06 00 24 0 000 002.000	DYER ROGER W & RUTH W*LIFE EST*	2730 GLOVERS BEND RD	GARDENDALE, AL 35071	7720 OLD MOUNT OLIVE RD	GARDENDALE, AL 35071
17	06 0013 0 000 017.000	DYER ROGER W & RUTH W*LIFE EST*	2140 GLOVERS BEND RD	GARDENDALE, AL 35071	7720 OLD MOUNT OLIVE RD	GARDENDALE, AL 35071
18	06 00 13 0 000 016.000	COUSINS WILLIAM A	2139 GLOVERS BEND RD	GARDENDALE, AL35071	PO BOX 352	MOUNT OLIVE, AL35117
19	06 00 13 0 000 018.000	ALAWEST-AL LLC	2021GLOVERS BEND RD	GARDENDALE, AL 35071	PO BOX 412	NORTHPORT, AL 35473
20	07 00 18 0 000 040.003	COUSINS WILLIAM A	1906 GLOVERS BEND RD	GARDENDALE, AL 35071	PO BOX 352	MOUNT OLIVE, AL 35117
21	07 00 18 0 000 041.000	SMITH DAVID N	7545 OLD MOUNT OLIVE RD	GARDENDALE, AL 35071	6240 BARNES SETTLEMENT RD	NORTHPORT, AL 35473

*** Ownership Information provided by Owners Deeds & Jefferson County Parcel GIS*
Jefferson County Parcel GIS Website Address: https://arcg.is/18HPn4

PARCEL & PROPERTY OWNER INFORMATION THAT ARE CONTIGUOUS TO THE PERMIT BOUNDARY						
MAP #	**PARCEL #**	**OWNERS NAME**	**PHYSICAL ADDRESS**	**CITY, STATE, ZIP CODE**	**MAILING ADDRESS**	**CITY, STATE, ZIP CODE**
22	06 00 13 0 000 018.000	COUSINS WILLIAM A	2021 GLOVERS BEND RD	GARDENDALE, AL 35071	PO BOX 352	MOUNT OLIVE, AL 35117
23	06 00 24 0 000 001.000	COUSINS WILLIAM A	2710 GLOVERS BEND RD	GARDENDALE, AL 35071	PO BOX 352	MOUNT OLIVE, AL 35117
24	06 00 24 0 000 005.000	COUSINS WILLIAM A	2720 GLOVERS BEND RD	GARDENDALE, AL 35071	PO BOX 352	MOUNT OLIVE, AL 35117
25	07 00 19 0 000 014.000	COUSINS WILLIAM A	7468 OLD MOUNT OLIVE RD	GARDENDALE, AL 35071	PO BOX 352	MOUNT OLIVE, AL 35117

*** Ownership Information provided by Owners Deeds & Jefferson County Parcel GIS*
Jefferson County Parcel GIS Website Address: https://arcg.is/18HPn4

OLD MT OLIVE RD

DISPOSAL
AREA No. 2

DISPOSAL
AREA No. 1

BUFFER

24

ZONE A

19

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) *Zone A, V, A99*
	With BFE or Depth *Zone AE, AO, AH, VE, AR*
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
	Future Conditions 1% Annual Chance Flood Hazard *Zone X*
	Area with Reduced Flood Risk due to Levee See Notes. *Zone X*
	Area with Flood Risk due to Levee *Zone D*
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard *Zone X*
	Effective LOMRs
	Area of Undetermined Flood Hazard *Zone D*
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	20.2 Cross Sections with 1% Annual Chance
	17.5 Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

SCALE: 1" = 600'
March 25th, 2020
Map Size: 11" x 17"

HILLTOP RECYCLING, LLC.
HILLTOP RECYCLING CENTER
(APPROXIMATELY 128 ACRES TOTAL)

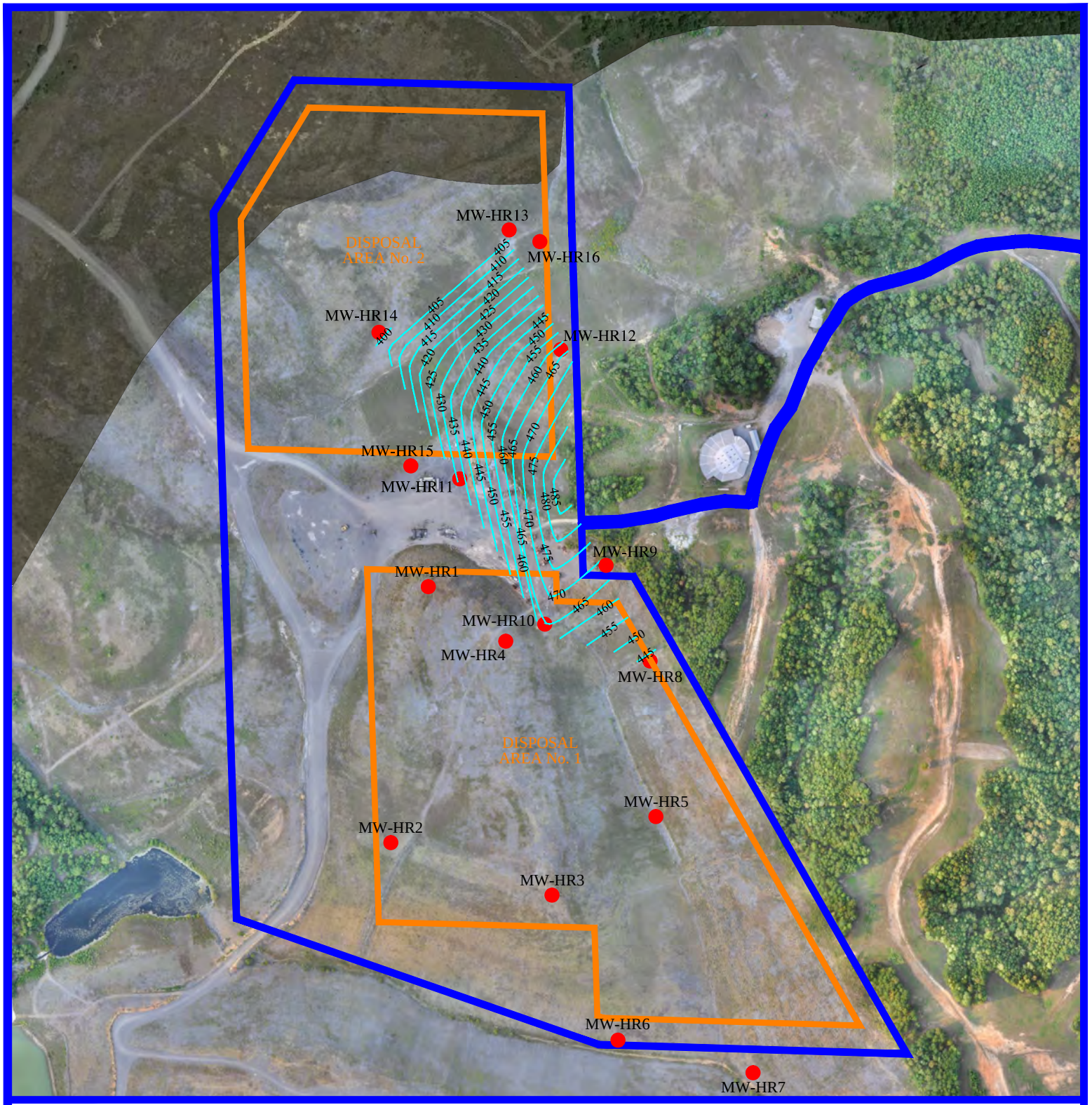
N
W E
S

FEMA FLOOD MAP
(MAP NO: 01073CO185H)
(EFFECTIVE DATE: 03/21/2019)

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: stephenb@mcgehee.org

LANDFILL PERMIT BOUNDARY
PROPOSED DISPOSAL AREAS
100' BUFFER

Latitude: 33.7234° N
Longitude: -86.9015° W



HILLTOP RECYCLING LLC
HILLTOP RECYCLING CENTER

(APPROXIMATELY 128 ACRES TOTAL)

PIEZOMETER LOCATION MAP

SECTION 19, TOWNSHIP 15 SOUTH, RANGE 3 WEST,
SECTION 13, & 24, TOWNSHIP 15 SOUTH, RANGE 4 WEST,
ALL IN JEFFERSON COUNTY, ALABAMA
AS FOUND ON THE BROOKSIDE, ALABAMA USGS QUADRANGLE

AVERAGE GROUNDWATER FLOW ELEVATIONS

MW-HR1 PIEZOMETER LOCATIONS

SCALE: 1" = 500'

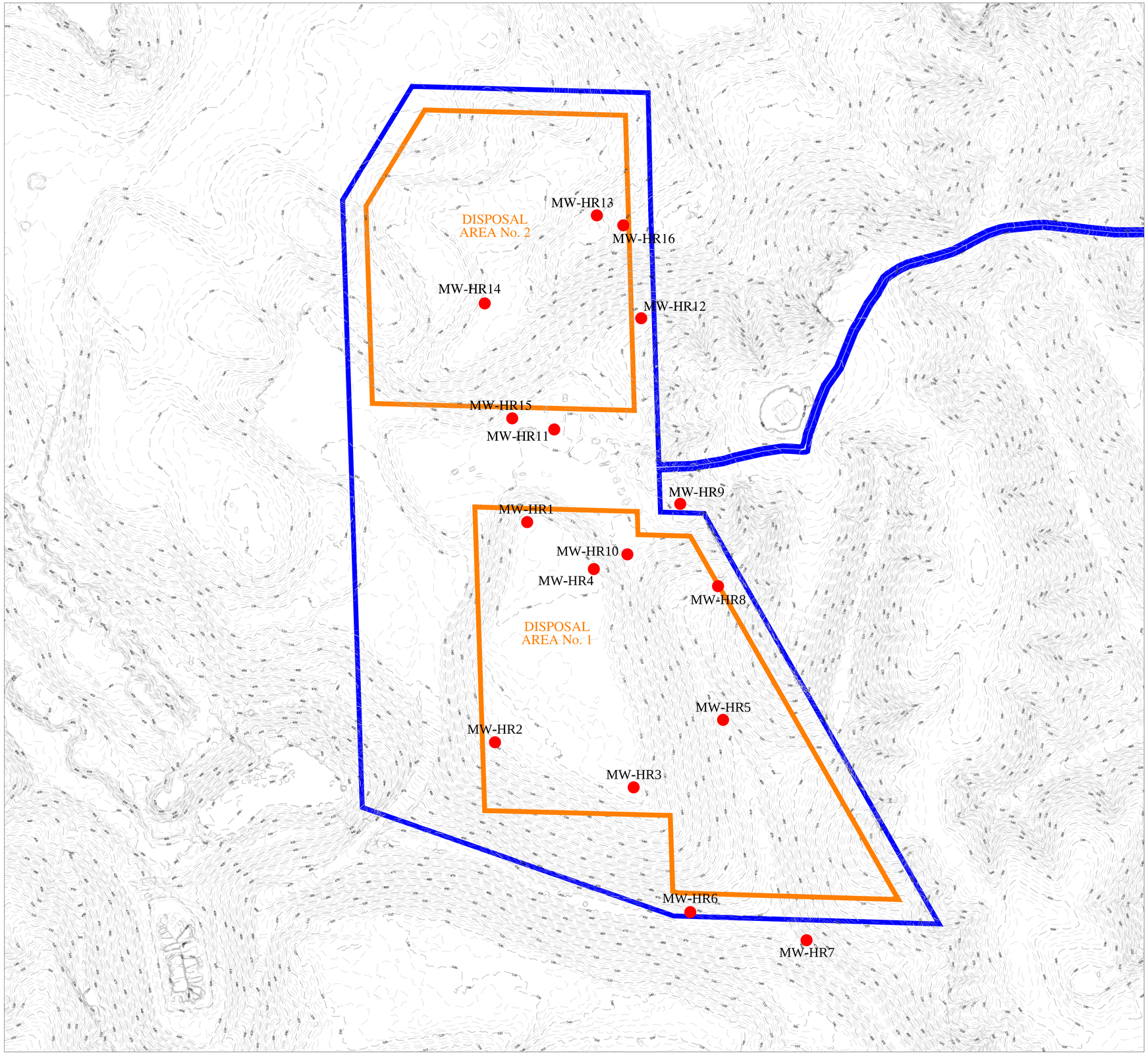
mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: staff@mcgehee.org

APPENDIX E - GROUNDWATER ELEVATIONS TABLE

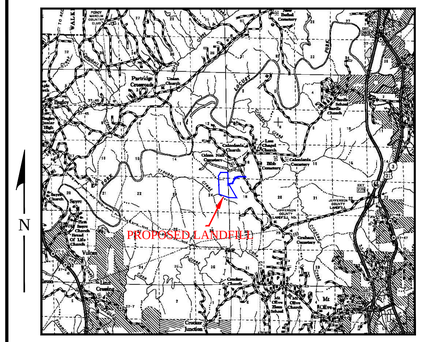
Well	Elevation of Ground Surface (Feet)	Elevation of Measuring Point (Feet)	Total Well Depth from Measuring Point	Depth to Water from Measuring Point (Feet)	Depth From Ground Surface to Ground Water (Feet)	Height from Ground to Measuring Point	Date of Measurement	Ground Water Elevation (Ft. AMSL)
MW-HR 1	585	588	71	71.0	68.0	3	01/07/20	Dry
				71.0	68.0		01/15/20	Dry
				71.0	68.0		01/22/20	Dry
				71.0	68.0		01/31/20	Dry
				71.0	68.0		02/05/20	Dry
				71.0	68.0		02/12/20	Dry
				71.0	68.0		02/19/20	Dry
				71.0	68.0		02/26/20	Dry
MW-HR 2	560.00	562.6	57.1	57.1	54.5	2.6	01/07/20	Dry
				57.1	54.5		01/15/20	Dry
				57.1	54.5		01/22/20	Dry
				57.1	54.5		01/31/20	Dry
				57.1	54.5		02/05/20	Dry
				57.1	54.5		02/12/20	Dry
				57.1	54.5		02/19/20	Dry
				57.1	54.5		02/26/20	Dry
MW-HR 3	575.00	579.5	69.2	69.2	64.7	4.5	01/07/20	Dry
				69.2	64.7		01/15/20	Dry
				69.2	64.7		01/22/20	Dry
				69.2	64.7		01/31/20	Dry
				69.2	64.7		02/05/20	Dry
				69.2	64.7		02/12/20	Dry
				69.2	64.7		02/19/20	Dry
				69.2	64.7		02/26/20	Dry
MW-HR 4	580.00	583.4	57	57.0	53.6	3.4	01/07/20	Dry
				57.0	53.6		01/15/20	Dry
				57.0	53.6		01/22/20	Dry
				57.0	53.6		01/31/20	Dry
				57.0	53.6		02/05/20	Dry
				57.0	53.6		02/12/20	Dry
				57.0	53.6		02/19/20	Dry
				57.0	53.6		02/26/20	Dry
MW-HR 5	485.00	487.8	54.3	54.3	51.5	2.8	01/07/20	Dry
				54.3	51.5		01/15/20	Dry
				54.3	51.5		01/22/20	Dry
				54.3	51.5		01/31/20	Dry
				54.3	51.5		02/05/20	Dry
				54.3	51.5		02/12/20	Dry
				54.3	51.5		02/19/20	Dry
				54.3	51.5		02/26/20	Dry
MW-HR 6	460.00	463.2	27.9	27.9	24.7	3.2	01/07/20	Dry
				27.9	24.7		01/15/20	Dry
				27.9	24.7		01/22/20	Dry
				27.9	24.7		01/31/20	Dry
				27.9	24.7		02/05/20	Dry
				27.9	24.7		02/12/20	Dry
				27.9	24.7		02/19/20	Dry
				27.9	24.7		02/26/20	Dry

MW-HR 7	465.00	467.9	30.5	30.5	27.6	2.9	01/07/20	Dry
				30.5	27.6		01/15/20	Dry
				30.5	27.6		01/22/20	Dry
				30.5	27.6		01/31/20	Dry
				30.5	27.6		02/05/20	Dry
				30.5	27.6		02/12/20	Dry
				30.5	27.6		02/19/20	Dry
				30.5	27.6		02/26/20	Dry
MW-HR 8	508.00	510.8	79.2	79.2	76.4	2.8	01/07/20	Dry
				79.2	76.4		01/15/20	Dry
				68.7	65.9		01/22/20	442.10
				69.2	66.4		01/31/20	441.60
				67.7	64.9		02/05/20	443.10
				67.5	64.7		02/12/20	443.30
				67.8	65.0		02/19/20	443.00
				78.7	75.9		02/26/20	432.10
MW-HR 9	568.00	570.9	82	82.0	79.1	2.9	01/07/20	Dry
				82.0	79.1		01/15/20	Dry
				82.0	79.1		01/22/20	Dry
				82.0	79.1		01/31/20	Dry
				82.0	79.1		02/05/20	Dry
				82.0	79.1		02/12/20	Dry
				82.0	79.1		02/19/20	Dry
				82.0	79.1		02/26/20	Dry
MW-HR 10	547.00	550.1	90	87.2	84.1	3.1	01/07/20	462.90
				89.2	86.1		01/15/20	460.90
				90.0	86.9		01/22/20	Dry
				90.0	86.9		01/31/20	Dry
				89.2	86.1		02/05/20	460.90
				87.3	84.2		02/12/20	462.80
				87.4	84.3		02/19/20	462.70
				88.9	85.8		02/26/20	461.20
MW-HR 11	545.00	548.1	92	58.6	55.5	3.1	01/07/20	489.50
				65.0	61.9		01/15/20	483.10
				68.4	65.3		01/22/20	479.70
				69.0	65.9		01/31/20	479.10
				70.0	66.9		02/05/20	478.10
				63.0	59.9		02/12/20	485.10
				66.3	63.2		02/19/20	481.80
				67.6	64.5		02/26/20	480.50
MW-HR 12	551.00	553.6	89.3	89.3	86.7	2.6	01/07/20	Dry
				89.3	86.7		01/15/20	Dry
				89.3	86.7		01/22/20	Dry
				89.3	86.7		01/31/20	Dry
				89.3	86.7		02/05/20	Dry
				86.6	84.0		02/12/20	467.00
				83.9	81.3		02/19/20	469.70
				89.3	86.7		02/26/20	Dry

MW-HR 13	462.00	464.9	85.5	85.5	82.6	2.9	01/07/20	Dry
				85.5	82.6		01/15/20	Dry
				66.8	63.9		01/22/20	398.10
				63.6	60.7		01/31/20	401.30
				66.8	63.9		02/05/20	398.10
				60.1	57.2		02/12/20	404.80
				66.8	63.9		02/19/20	398.10
				66.8	63.9		02/26/20	398.10
MW-HR 14	485.00	487.4	89.8	89.8	87.4	2.4	01/07/20	Dry
				89.8	87.4		01/15/20	Dry
				89.8	87.4		01/22/20	Dry
				89.8	87.4		01/31/20	Dry
				89.8	87.4		02/05/20	Dry
				87.5	85.1		02/12/20	399.90
				89.8	87.4		02/19/20	Dry
				89.8	87.4		02/26/20	Dry
MW-HR 15	548.50	551.6	79.6	79.6	76.5	3.1	01/07/20	Dry
				79.6	76.5		01/15/20	Dry
				79.6	76.5		01/22/20	Dry
				79.6	76.5		01/31/20	Dry
				79.6	76.5		02/05/20	Dry
				79.6	76.5		02/12/20	Dry
				79.6	76.5		02/19/20	Dry
				79.6	76.5		02/26/20	Dry
MW-HR 16	447.00	449.8	27.6	27.6	24.8	2.8	01/07/20	Dry
				27.6	24.8		01/15/20	Dry
				27.6	24.8		01/22/20	Dry
				27.6	24.8		01/31/20	Dry
				27.6	24.8		02/05/20	Dry
				27.6	24.8		02/12/20	Dry
				27.6	24.8		02/19/20	Dry
				27.6	24.8		02/26/20	Dry



VICINITY MAP



SCALE: 1" = 2 MILES

PROJECT NOTES:

- TOPOGRAPHIC INFORMATION TAKEN FROM 2 FT. AERIAL MAPPING.
- DO NOT SCALE THIS DRAWING, AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.
- LANDFILL PERMIT BOUNDARY IS APPROXIMATELY128 ACRES.
- LANDFILL DISPOSAL BOUNDARY IS APPROXIMATELY75 ACRES.

MAP LEGEND

- LANDFILL PERMIT BOUNDARY
- LANDFILL DISPOSAL BOUNDARY
- DIVERSION DITCH
- 500 PROPOSED CONTOURS (2 FT.)
- 370 EXISTING CONTOURS (2 FT.)
- 370 EXISTING CONTOURS (10 FT.)
- MW-HR 1 PIEZOMETER
- A A' DISPOSAL AREA CROSS-SECTION

N
W E
S

0 100 200 300

SCALE: 1" = 100'

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
web page: mcgehee.org

DATE OF FIELD SURVEY:
10/03/19

TYPE OF SURVEY:
BOUNDARY

MINIMUM CLOSURE:
1' : 5,000'

SCALE: AS NOTED

HILLTOP RECYCLING, LLC
HILLTOP RECYCLING CENTER

EXISTING "BASE GRADE" CONTOUR MAP

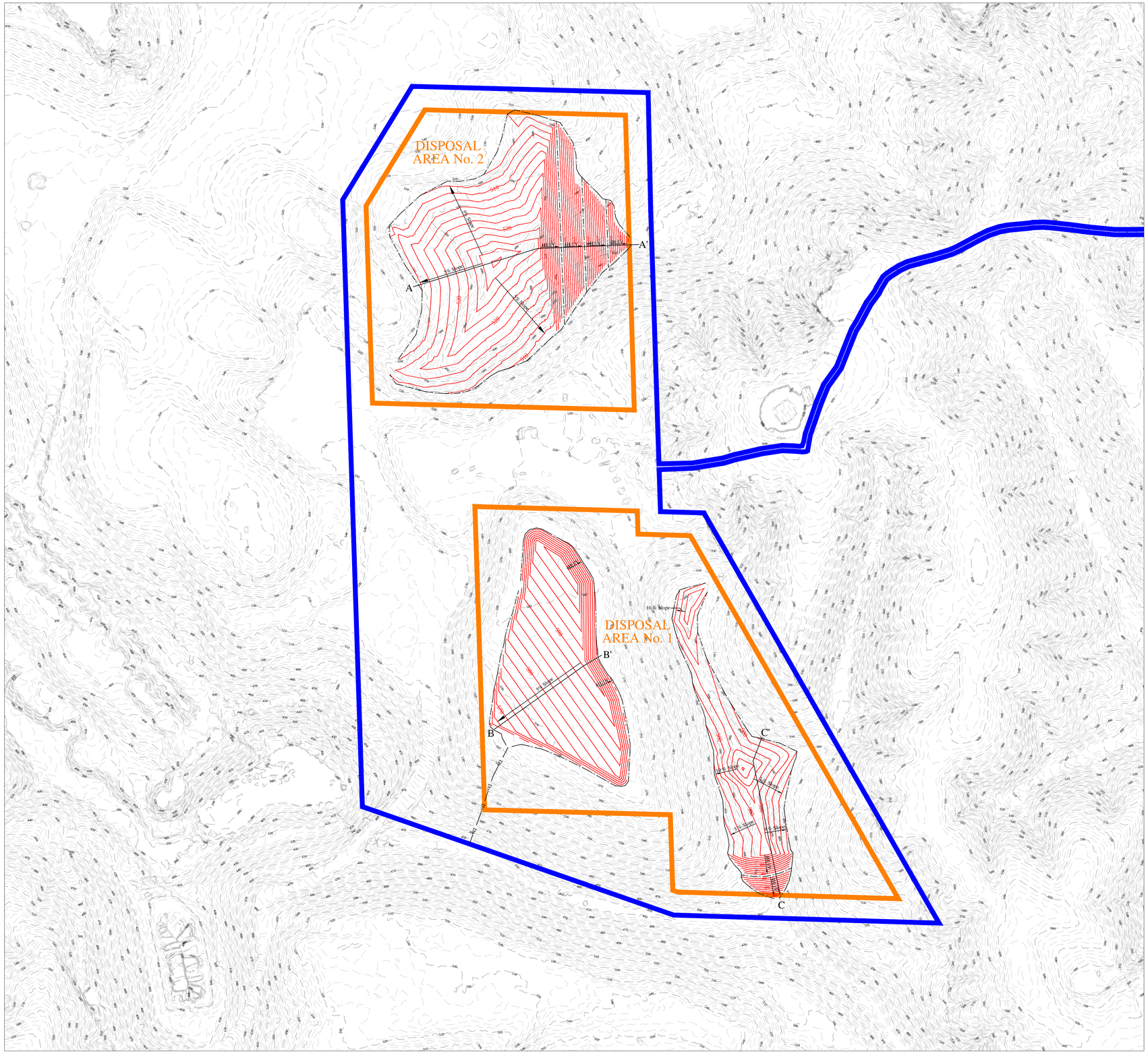
REVISIONS:

DRAWN BY: B.W.Y.
CHECKED BY: B.W.Y.

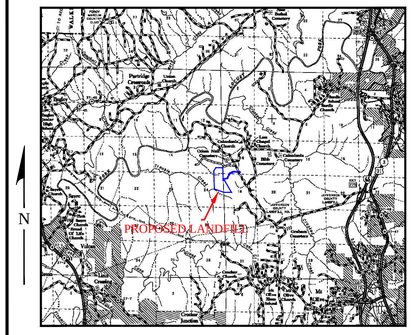
JOB NUMBER

DATE
07/30/20

FIGURE 7



VICINITY MAP



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- LANDFILL DISPOSAL BOUNDARY IS APPROXIMATELY75 ACRES.

MAP LEGEND

- LANDFILL PERMIT BOUNDARY
- LANDFILL DISPOSAL BOUNDARY
- DIVERSION DITCH
- 580 PROPOSED CONTOURS (2 FT.)
- 370 EXISTING CONTOURS (2 FT.)
- 370 EXISTING CONTOURS (10 FT.)
- MW-HR 1 PIEZOMETER
- A A' DISPOSAL AREA CROSS-SECTION

N
W E
S

0 100 200 300

SCALE: 1" = 100'

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
web page: mcgehee.org

DATE OF FIELD SURVEY: 10/03/19

TYPE OF SURVEY: BOUNDARY

MINIMUM CLOSURE: 1' : 5,000'

SCALE: AS NOTED

HILLTOP RECYCLING, LLC
HILLTOP RECYCLING CENTER

SITE PLAN MAP

REVISIONS:

DRAWN BY: B.W.Y.
CHECKED BY: B.W.Y.

JOB NUMBER

DATE 07/30/20

FIGURE 11

mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: staff@mcgehee.org

FIGURE 8
(MAP 1 OF 2)

HILLTOP RECYCLING LLC
HILLTOP RECYCLING CENTER

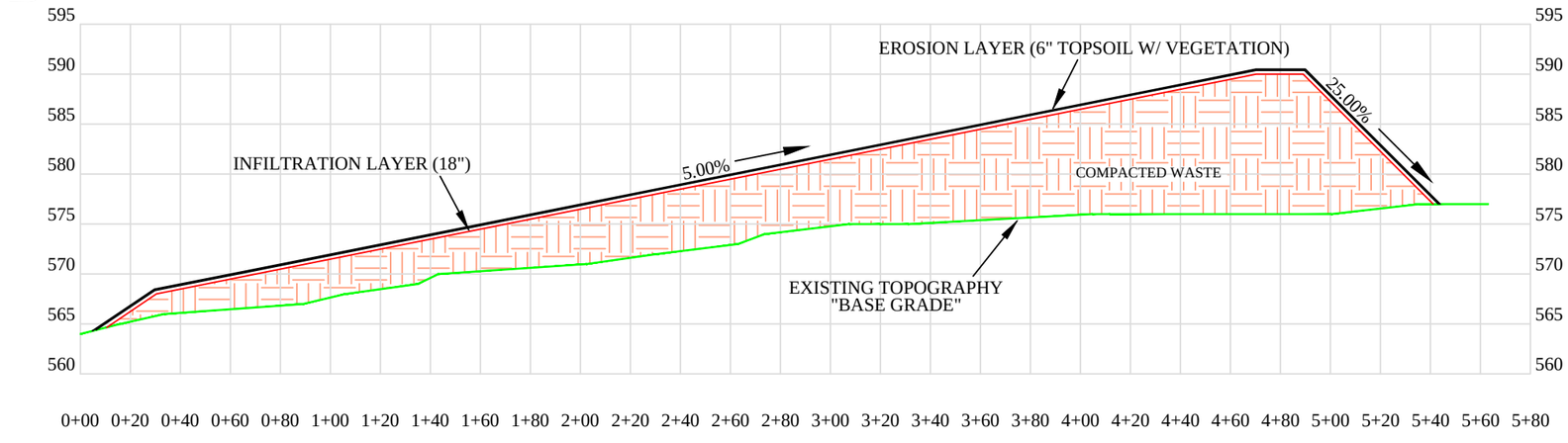
DISPOSAL AREA 2 - CROSS-SECTION

SCALE: H: 1" = 80'
V: 1" = 20'

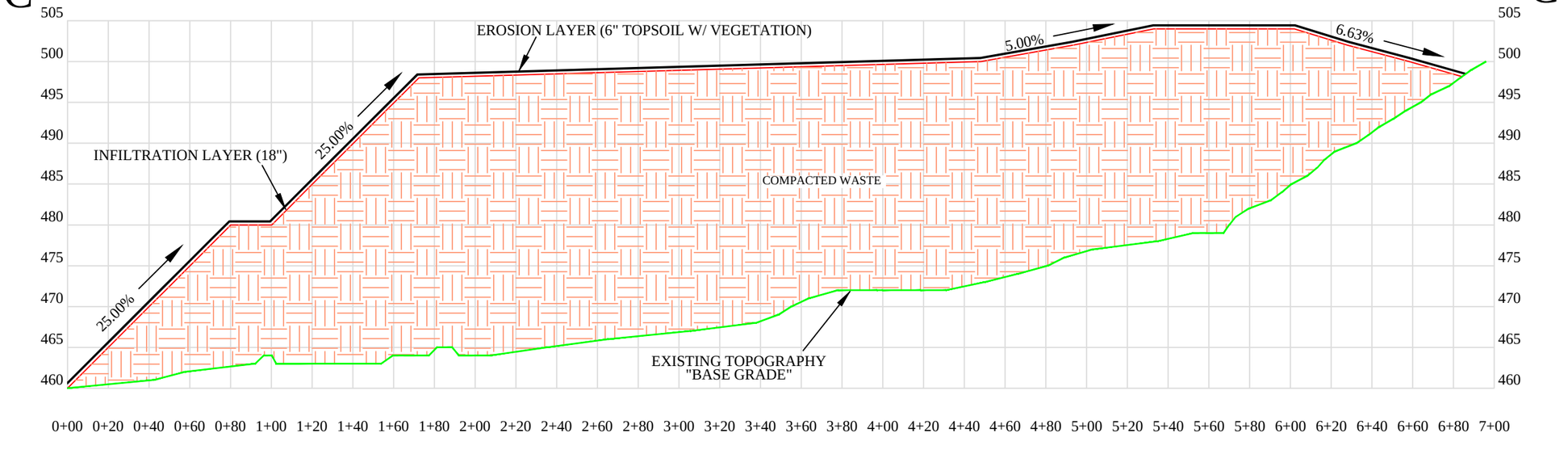
mcgehee engineering corp
post office box 3431
jasper, alabama 35502-3431
telephone: (205) 221-0686 fax: 221-7721
email: staff@mcgehee.org

FIGURE 8
(MAP 2 OF 2)

WEST DISPOSAL AREA



EAST DISPOSAL AREA



HILLTOP RECYCLING LLC
HILLTOP RECYCLING CENTER
DISPOSAL AREA 1 - CROSS-SECTION
SCALE: H: 1" = 60'
V: 1" = 15'

Section 7. Waste Description: Part A. – G. Additional Information

- The applicant has over 25 years of extensive experience serving as owner & operator of numerous projects in the field of construction / excavation activities and heavy equipment operation.
- This landfill will only accept selected wastes suitable for disposal in a construction/demolition landfill with a service area limited to the State of Alabama. The primary waste to be received will be Non-Hazardous Construction and Demolition debris including but not limited to materials such as: wood products trees, limbs, concrete, paper, cardboard, scrap metal, packing materials and scrap tires. Any waste received onsite will be placed in the proposed permitted landfill disposal area and will not undergo any type of recycling process/operation.
- The daily landfill operations will be supervised by a designated Superintendent (a Hilltop Recycling, LLC representative) to ensure compliance with all Jefferson County & ADEM regulations are adhered to. A daily log of all waste entering the site, including the volume and origin of the waste will be kept. Employees will be trained to recognize wastes that are not permitted to be disposed of at this construction/demolition landfill. Random routine inspections will be made to ensure that only construction/demolition type wastes are received. Solid wastes disposed at this site will be measured by volume daily. Daily records will be kept and quarterly reports placed in the operating record and submitted to ADEM listing the volume of waste accepted at the landfill. Since all waste measurement is being reported by volume no scales or other weighing devices are proposed to be used.

  Due to this landfill having a service area that is statewide, it is anticipated that waste material will be transported to the site on a daily basis due but will depend drastically on the volume of waste material produced by the surrounding counties and area. It is expected that the waste received by the landfill will predominately come from Jefferson County & and the adjoining counties. The hours of operation are anticipated to be Monday – Friday, 8:00 A.M. – 4:00 P.M.

  Employees trained in the recognition of waste materials such as free liquids, regulated hazardous waste, medical wastes, and regulated PCB wastes will oversee the unloading of wastes accepted at this facility. Random inspections will be made of incoming wastes and any suspect waste to make sure that none of the above mentioned waste are present. A record of these inspections will be kept

and will include the origin, transporter and handlers of the waste in route to the site. These records will be maintained in the facilities operating record.

- The landfill site is located off of Old Mount Olive Road. Access to the landfill area will be an existing private road. Entrance to the landfill will be through a secured metal gate on the private road. The access roads will be constructed with gravel and will be usable in all weather conditions. The access roads will be constructed wide enough to easily allow passage of collection vehicles. The gate will be locked at all times when Hilltop Recycling, LLC personnel are not on the landfill site

- In reference to Section 7.g. - The permit application submitted to ADEM and the pertinent information provided to Jefferson County addresses all of the applicable requirements for construction / demolition landfills as set forth in Alabama Department of Environmental Management (ADEM) Administrative Code 335-13. ADEM requirements were used and considered in the siting of the landfill.

  The NPDES General Stormwater Permit application for the landfill (ALG160XXX) was submitted to ADEM via eNOI for review/issuance. However, the permit application was withdrawn by ADEM on May 29, 2020 and deemed not necessary for this particular facility by ADEM personnel. As a result, McGehee Engineering was instructed by ADEM that a permit would not be required. All surface water drainage at the proposed landfill will be diverted to discharge the facility permit boundary in one of four potential outfall points and the water quality existing the facility will be in accordance with ADEM's criteria, guidelines and water quality standards. Hilltop Recycling will ensure that any potential surface runoff discharges from within and/or associated with the landfill site will pass through a series of BMP measures and/or diversion ditches prior to exiting the permit boundary. This will help ensure that all surface drainage flow from the facility will be properly treated & controlled through the proper implementation of sufficient BMP's.

  Furthermore, the location of the proposed landfill is in predominately low areas that were previously surface mined less than roughly ten (10) years ago. Drainage from the east and west currently drain into the portions of the proposed landfill site. Diversion ditches and down drains will be constructed in these areas to route all drainage around the landfill and into one of two adjacent to sediment basins. Diversion ditches and down drains will be designed to handle a 25 Year Storm Event – 6 hour and will vary in size depending on the drainage area they will be accommodating. The diversion ditches and down drains will be lined either with grass or rip-rap depending again on the drainage area it will be servicing but also depending on the steepness of the slopes of the ditches

and/or down drains. Drainage from the landfill site will be sheet flow and will be collected in diversion ditches which will divert the runoff to one of four potential point source (outfall) locations, which will then flow offsite and into one of two nearby sediment basins before exiting into any natural drainage courses.

Throughout the daily operation of the landfill, closure activities will be conducted as they are needed. As fill areas reach their final elevations, the foundation of the final cap will be installed over the waste and graded. The foundation will then be seeded and mulched to reduce erosion while waiting for the complete cap installation. Prior to the beginning of closure activities ADEM will be notified of the intent to close. No later than thirty (30) days after final receipt of wastes, closure activities will begin. Closure activities will be completed within 180 days following the last known receipt of wastes. The final cover system will be installed as to minimize erosion and infiltration. The final cover system will be comprised of an infiltration layer containing eighteen (18) inches of earthen material that has permeability no greater than 1×10^{-5} cm/sec. Overlying the infiltration layer will be an erosion layer consisting of a minimum of six (6) inches of earthen material capable of sustaining plant growth.

As different areas of the landfill area reach their peak elevations, grading will be developed according to the attached Site Plan Map. The existing contours will be the base grade of the proposed fill as shown in the attached Existing “Base Grade” Contour Map.

The existing contours will be the base grade of the proposed fill. The final soil cover will be graded so as water does not pond over the landfill unit. The maximum grade of the final cover will range from 5% to 25%., and the final grading of the cap foundation will be completed within 90 days after the landfill has reached its final elevation or landfilling has permanently ceased in that area.

Vegetative cover will be established so to minimize erosion and maximize evapotranspiration. Within 90 days of the completion of final grading, the cover surface will be prepared for the establishment of vegetative cover. As a minimum, preparation will include fertilizing, liming, seeding, and mulching. Watering and maintenance will continue until the vegetation has been established. Maintenance will involve routine inspections for rills, gullies, and ponding of water. Eroded areas will be re-graded and re-vegetated. Ponded areas will be filled in, graded, and vegetated. Appropriate types and amounts of grass seed, fertilizer and lime will be applied consistent with the recommendations of the Soil Conservation Service. Deep rooted vegetation (roots that extend below the six (6) inch erosion layer) will not be used.

Section 8. Siting Standards: Part A. – F. Additional Information

- The proposed construction/demolition landfill site is above the 100-year flood plain elevation and will not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the flood plain, or result in the wash out of solid waste. The proposed Landfill site is not in any of the special flood hazard areas. In addition, a jurisdictional determination was performed for the proposed site and was submitted to the Army Corps of Engineers. It is important to note, the proposed permit boundary has been disturbed extensively through prior mining activities and operations. Consequently, no jurisdictional waters or wetlands were found within the permit boundary. Concurrence from the Army Corps of Engineers was obtained. Furthermore, concurrence and/or approval from the Alabama Department of Conservation and Natural Resources, United States Fish and Wildlife Services, Alabama Historical Commission, and the Army Corp of Engineers were all obtained.

- The proposed landfill disposal area will occupy approximately 75 acres. The elevations of the land surface at the site range from about 447 to 585 feet AMSL (above mean sea level). The existing terrain of the proposed landfill permit area can mainly be described as multiple shallow valley or depression areas and consists predominately of mine spoil. Previous mining activities within the proposed landfill area, which include surface mining activities (occurring within approximately the last ten years) and underground mining, area have influences on groundwater due to the fractured zone created by spoil material which allows easier flow of the groundwater.

  The landfill site has no distinct stratigraphic zones that consistently produce water. Groundwater within the permit area appears to be contained in a poorly connected fracture system of the alternating sequences of sandstone and shales in the Pottsville Formation. This system forms isolated perched water tables with little areal extent. Water in the Pottsville aquifer also occurs under confined conditions due to sharp contrast in permeability within the aquifer. As stated in the Geohydrology and Susceptibility of Major Aquifers to Surface Water Contamination in Alabama; Area 4; U.S.G.S. Water-Resources Investigations Report 88-4133, large water supplies generally are not available from the Pottsville Formation and no municipal wells tap the Pottsville Formation within the study area. Locally the groundwater appears to be within a sandstone aquifer below the coal seams. The flow of groundwater from this aquifer is believed to be to the south.

Typical geology associated within the coal bearing stratum in the Locust Fork Basin have minimal primary permeability, so coal beds are the principal aquifers owing to closely spaced cleats. Most other groundwater flow is through secondary conduits, such as joints and faults. The Pottsville Formation may be defined as a low yielding, fractured aquifer with water occurring in coal seams, along bedding planes, joints, fractures, and some sandstone.

- In December of 2019, a total of sixteen (16) piezometers were constructed to depths ranging from twenty-five (25) to eighty-nine (89) feet below land surface (bls). Since the entire landfill area has been previously mined, all piezometers were installed in spoil material. The groundwater elevation table showing the data of the sixteen (16) exploration drill holes was prepared and previously submitted to Jefferson County. The measuring point at the top of each piezometer and the land surface at each piezometer were surveyed by McGehee Engineering Corp. Based upon a visual inspection of the landfill site and exploration drill holes, the geology within the proposed landfill area consists of spoil material left from previous coal mining activities. The thickness of the spoil material varies from approximately 25 feet to roughly 90 feet thick.

- A review of the groundwater depths from piezometers MW-HR 1 to MW-HR 16 showed that only six (6) out of the total sixteen (16) piezometers had a measurable ground water depth during the sampling periods mentioned previously. The six piezometers where groundwater was encountered during sampling included the following: MW-HR 8, MW-HR 10, MW-HR 11, MW-HR 12, MW-HR 13, and MW-HR 14. MW-HR 8 had depths that range from 64.7 feet below ground surface (443.30 feet AMSL) to 75.9 feet below ground surface (432.10 feet AMSL). The depth to water in piezometer MW-HR 10 ranged from 84.1 feet below ground surface (462.90 feet ASML) to 86.1 feet below ground surface (460.90 feet ASML). The depth to water in piezometer MW-HR 11 ranged from 55.5 feet below ground surface (489.50 feet ASML) to 66.9 feet below ground surface (478.10 feet ASML). The depth to water in piezometer MW-HR 12 ranged from 81.3 feet below ground surface (469.70 feet ASML) to 84.0 feet below ground surface (467.00 feet ASML). The depth to water in piezometer MW-HR 13 ranged from 57.2 feet below ground surface (404.80 feet ASML) to 63.9 feet below ground surface (398.10 feet ASML). The depth to water in piezometer MW-HR 14 was 85.1 feet below the ground surface (399.90 feet ASML). Based solely on the limited groundwater encountered during sampling, the direction of groundwater flow at the site is to the northwest. Just to reiterate, the entire landfill area has been previously mined, and consequently all piezometers were installed in spoil material. The average groundwater elevations for each piezometer and

direction of groundwater flow are shown on the Piezometer Layout Map previously submitted in the application.

- The minimum depth to groundwater at this site is approximately forty-seven (47) feet below land surface (bls) at approximately 400 feet mean sea level (msl). The lowest base elevation of the landfill is approximately 447 feet msl.

10. Alabama Code § 22-27-48:

Describe how the proposed facility shall meet each of the criteria set forth in Alabama Code § 22-27-48.

a. The consistency of the proposal with the jurisdiction's solid waste management need as identified in its plan;

The proposed site does not conflict with the local solid waste management plan as the property is abandoned surface mining land and has limited land uses over the life expectancy of the site. The material proposed to be accepted at the proposed facility does not constitute any environmental threats and will have no adverse effect on the any currently proposed future uses of the site. The Jefferson County Solid Waste Management Plan indicates that there are no known new solid waste processing/disposal or recycling facilities planned for Jefferson County. With the increased development and revitalization of Jefferson County there is a significant need to provide for areas of solid waste disposal. The proposed site would help meet that need as it pertains to Construction and Demolition material.

b. The relationship of the proposal to local planned or existing development or the absence thereof, to major transportation arteries and to existing state primary and secondary roads;

The proposed site is in a rural undeveloped area. However, there are developed access roads giving access to and from the site from the previous surface mining operation usage. Therefore, the facility will use existing routes previously utilized by the surface mining operations, which will actually be a diminished traffic load from the previous use. The site has excellent access to the Interstate I-65 less than five miles away minimizing the time traffic is on county roads. This connector allows connection to major travel arteries while minimizing impact on local traffic.

The weight and axel loads will be significantly less than that of the coal hauling operations from the previous land use.

c. The location of the proposed facility in relationship to existing industries in the state that generate large volumes of solid waste, or the relationship to the areas projected for development of industries that will generate solid waste;

As the greater Birmingham area continues to see increased develop and revitalization, the majority of the material proposed to be received at this facility is anticipated to come from Jefferson County. However, the facility is proposed to accept material regionally.

d. Cost and availability of public services, facilities and improvements required to support the proposed facility and protect public health, safety and the environment;

It is not expected that any additional public services, facilities or improvements will be needed to protect the public health, safety and environment due to the type of material to be placed in the facility. Due to the previous land use the site allows for adequate cover material to meet the state cover material requirements.

e. The impact of proposed facility on public safety and provisions made to minimize the impact on public health and safety; and

Since there is no impact on the public health or safety from this proposed facility, no additional provisions are proposed other than what is standard requirements from the Alabama Department of Environmental Management.

f. The social and economic impacts of the proposed facility on the affected community, including changes in property values, and social or community perception.

All of the property adjacent to and the majority of the property surrounding proposed facility is owned by the applicant. There are no anticipated negative social or economic impacts from the proposed facility in the affected community including changes in property values.

Specifically, the property is abandoned surface mine land, therefore it uses are already limited and its economic value diminished from that previous land use. The positive impacts from the proposed site would only serve to add to the development of the surrounding community.