



December 19, 2012

PN: 140002

NC Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
Attn: Elizabeth Werner
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: Application for Permit Renewal Request
Blaylock Grading LCID Landfill
SWS Permit No. 43C-LCID
(via email and UPS)

Ms. Werner,

On behalf of the Blaylock Grading LCID Landfill, please find attached one (1) copy of the application for renewal of the Blaylock Grading LCID Landfill permit. Attached to this letter are the following items as requested in the application guidance document.

1. General Facility Information
2. Airspace Analysis and Expected Life Calculation
3. Executed Applicant Signature Page
4. Updated Operational Plan
5. Updated Facility Plans (3 sheets)

We hope that this information is sufficient for approval of the permit renewal. Should you have any questions, concerns, or need additional information, please do not hesitate to contact our office at the numbers below.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Tyrus Clayton, Jr.", is written over a white background.

C. Tyrus Clayton, Jr., PE

attachments

cc: file
Harold Blaylock

General Facility Information

Facility Name	Blaylock Grading LCID Landfill
SWS Permit No.	43C-LCID (5 year renewal PTC/PTO on June 27, 2003 and April 8, 2010) (PTO Issued for Phase 1 October 16, 2000) (PTC Issued for Phase 1 July 13, 2000)
Facility Address	1025 Claude White Road Sanford, NC 27332 GPS COORDINATES: N: 35.3127 E: -79.1607
Applicant/Owner Information	Blaylock Grading, L.L.P. Attn: Harold G. Blaylock 345 Caulton Brown Road Lillington, NC 27546 (910) 893-8653
Applicant's Consulting Engineer	C. T. Clayton, P.E., Inc. Attn: C. Tyrus Clayton, Jr., PE 46 West Washington St. Coats, NC 27521 (910) 897-7070 (910) 897-6767 fax tyrus@ctclayton.com
Other NC DENR Permits	Erosion and Sediment Control Plan

Life Expectancy of Landfill

Air space remaining:	120,570 cu. yd.
Waste dumping rate:	28,125 cu. yd. per year
Life expectancy:	4.3 years

Disclaimer: Due to the nature of the operation of this facility, the above numbers are an estimate only. This facility is operated by the owner to support the local general contracting and building business. As the nature of the local market and economy changes, the volume of waste being disposed will also change. The volume may increase or decrease.

As such, the attached plans depict the used and un-used airspace.



Applicant Signature Page

Name of facility Blaylock Grading LCID Landfill

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision and that the information provided in this application is true, accurate, and complete to the best of my knowledge.

I understand that North Carolina General Statute 130A-22 provides for administrative penalties of up to fifteen thousand dollars (\$15,000.00) per day per each violation of the Solid Waste Management Rules. I further understand that the Solid Waste Management Rules may be revised or amended in the future and that the facility siting and operations of this solid waste management facility will be required to comply with all such revisions or amendments.

Harold G Blaylock
Signature

HAROLD G BLAYLOCK
Print Name

12-20-12
Date

partner
Title

Blaylock Grading, L.L.P
Business or Organization Name

OPERATION PLAN

The following Operation Plan has been created for the **Blaylock Grading Land Clearing and Inert Debris Landfill** in accordance with NCDENR-SWS Rule 15A NCAC 13B .0566.

1. The approved plans will be followed.
2. This facility will be open normally Monday thru Friday from 7am to 5pm. During specific projects, the facility may extend its operating hours later during the day, or be open on Saturday and/or Sunday. Refer to Item 3 below.
3. The Blaylock Grading LCID Landfill accepts waste from the public. The source of the waste will generally be private land clearing and landscape maintenance operations in western Harnett County, southern Lee County and eastern Moore County. The site will be secured with a locked gate. Approved LCID waste will be brought through the locked gates to the appropriate disposal area. Signs will be posted at the entrance to the facility showing the contact name and number and the permit number.
4. Access roads are of all-weather construction and will be properly maintained.
5. The Blaylock Grading LCID Landfill will accept only waste as defined in 15A NCAC 13B .0563 (1)(a). No other waste shall be permitted in this area. The list of wastes accepted at the LCID landfill is as follows:
 - a. Stumps
 - b. Trees
 - c. Limbs
 - d. Brush or Yard Trash
 - e. Other naturally occurring vegetative material
 - f. Unpainted concrete
 - g. Unpainted brick
 - h. Unpainted concrete block
 - i. Uncontaminated soil
 - j. Asphalt
 - k. Gravel
 - l. Rock
 - m. Untreated, unpainted wood (note that pallets, dimensional lumber, or any wood material that is considered to be construction and demolition debris may not be accepted at an LCID landfill)
6. The onsite facility attendant will visually check incoming loads for unauthorized waste and redirect the hauler as appropriate. Hazardous waste and liquids are not accepted. Other unacceptable waste such as waste tires, appliances, construction and demolition debris, and household garbage will not be accepted. Any unacceptable material found on the landfill will be removed, appropriately stored as necessary, and delivered to an approved/permitted facility or landfill for that type of waste. Standard procedures for waste handling and hauling, as dictated

by state and federal laws, will be followed. Unacceptable wastes will be removed from the facility on a weekly basis.

7. In order to maintain an orderly work area and to minimize erosion, the working face of the LCID will be kept as small as possible with a ½ acre maximum size. Waste will be compacted as densely as practical. Waste will be deposited in the upper areas first, thus ensuring that surface runoff is flowing away from the working face.
8. The site will be graded using a bulldozer to ensure that proper drainage of the area is maintained, thus diverting water away from the working face and eliminating any ponding of water on top of the waste.
9. Waste will not be disposed of in water.
10. Any leachate generated shall be managed on site through the use of current best management practices.
11. Adequate soil cover shall be applied monthly, or when the active area reaches one acre in size, whichever comes first. At least one foot of suitable soil cover shall be applied to the phase within 120 calendar days of its completion. Areas must be seeded in order to reduce erosion within 30 working days of completion of any phase.
12. Adequate erosion and sediment control measures, structures, and devices shall be employed and maintained to prevent silt from leaving the site and to prevent excessive erosion.
13. The concentration of explosive gases, if generated by the facility, will not exceed the following:
 - a. 25% of the lower explosive limit (LEL) for the gases in facility structures
 - b. The LEL for the gases at the property boundary
14. Open burning will not be conducted at the landfill. Should an accidental fire start at the landfill, landfill equipment will be summoned to extinguish the blaze. If the fire is beyond the capability of existing equipment, the local fire department will be summoned.
15. All incoming Inert Debris shall go directly to the Landfill.
16. Periodically, the Operator will evaluate the overall landfill operations. Twice yearly, an evaluation of the general site conditions will look for problems with routine operations. A site inspection checklist is attached to the end of this document. Any deficiencies can be incorporated into a "punch list" for further action. After evaluation, any deficiencies noted should be corrected.
17. Markers shall be placed to clearly delineate the edge-of-waste around the perimeter of every active, inactive and closed disposal area. All markers must be maintained throughout the life of the landfill and throughout the required

period of post-closure care. In addition, facility staff should be aware of and be able to show Division staff the permitted boundary of the facility.

18. Closure Activities: On or before 120 calendar days after completion of any phase of disposal operations, or upon revocation of a permit, the disposal area shall be covered with a minimum of one foot of suitable soil cover sloped to allow surface water runoff in a controlled manner. The soil cover shall be fertilized, limed and seeded. Erosion control matting shall be applied to assist in achieving stabilization. Further actions in order to correct any condition which is or may become injurious to the public health or a nuisance to the community may be required by DENR.
19. Post Closure Activities: Due to the non-putrescible nature of LCID waste, it is anticipated that the post-closure activities for the LCID landfill will not extend beyond cover/site maintenance. Once the LCID landfill is closed, the site will be stabilized with vegetation. Erosion and sediment control measures will be monitored and maintained throughout the post closure care period.

Under post closure care, the Operator shall maintain the closure cap on the LCID landfill as necessary. It is important that the vegetative cover be retained in a good condition and this task is accomplished through reseeded, fertilizing and mowing. The LCID landfill shall have a soil cap. The grass on the LCID landfill shall be mowed once a year. In addition, the access roads into and on the facility caps, and the stormwater conveyance system shall be maintained in good condition. These facilities shall be inspected periodically and repaired as necessary.

The LCID landfill property will be maintained as open space after completion of closure activities.

20. All required records, correspondence, etc. that pertain to the operation and permit compliance of this facility will be stored at the office of Blaylock Grading Company, L.L.P., located at:

Blaylock Grading Company, L.L.P.
345 Caulton Brown Road
Lillington NC 27546
(910) 893-8653

Should this location change, the Owner will notify the NCDENR – Solid Waste Section of the change.

SEMI-ANNUAL INSPECTION CHECKLIST
BLAYLOCK GRADING LCID LANDFILL
SWS PERMIT #43C-LCID

Date of Inspection: _____ **Weather:** _____

Inspector's Name: _____

Category	No.	Inspection Item to be Conducted	(Circle Answer)	
Site Access and Control	1	Is entrance gate and lock functioning properly?	Yes	No
	2	Is fencing maintained?	Yes	No
	3	Is access controlled by wooded areas where no fence exists?	Yes	No
	4	Are conditions of roads from State Road to landfill acceptable?	Yes	No
	5	Is traffic pattern safe for landfill users?	Yes	No
Waste Handling	6	Are wastes being deposited and contained within designated areas?	Yes	No
	7	Is working face contained to ½ acre or less?	Yes	No
	8	Are any unacceptable wastes present on working face or surrounding areas?	Yes	No
	9	Are unacceptable wastes removed from cell being handled and removed from site per the operational plan?	Yes	No
Closed and Inactive Areas	10	Is surface water being properly diverted away from the working face?		
	11	Are finished areas of the cell being properly covered with soils?	Yes	No
	12	Is there any waste exposed on inactive areas of the cell?	Yes	No
	13	Has final cover been applied to areas at final grade?	Yes	No
	14	Is vegetative cover established on closed and inactive areas?	Yes	No
	15	Is there settlement occurring or water ponding on closed or inactive areas?	Yes	No
Erosion and Sediment Control	16	Does the vegetation require mowing and is the vegetation healthy?	Yes	No
	17	Are the Erosion & Sediment Control devices being properly maintained?	Yes	No
	18	Is there any evidence of erosion, rills, or gullies on the surface of the landfill and surrounding areas?	Yes	No
	19	Do the sediment basins/traps require cleaning?	Yes	No
Records	20	Are inactive and closed areas receiving vegetative cover in a timely manner?	Yes	No
	21	Are previous inspection records up to date and properly filed?	Yes	No
	22	Is a copy of the current SWS permit in the file?	Yes	No
	23	Are records of facility audits by SWS present?	Yes	No
	24	Are records maintained of incoming waste volumes/loads?	Yes	No
	25	Are records of rejected loads/materials and actions taken maintained?	Yes	No

Notes: _____

(use back as necessary)

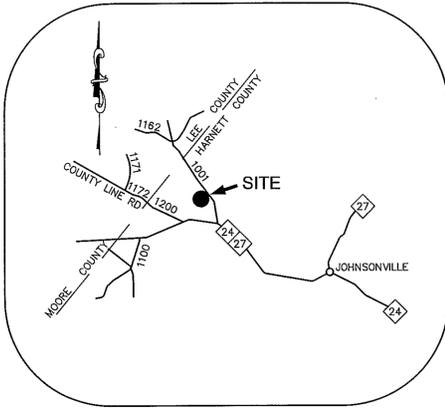
BLAYLOCK GRADING LCID LANDFILL HARNETT COUNTY

PERMIT RENEWAL

DECEMBER 2012
PERMIT #: 43C-LCID

OPERATOR INFORMATION

OPERATED BY: BLAYLOCK GRADING COMPANY, L.L.P.
345 CAULTON BROWN RD.
LILLINGTON, NC 27546
(910) 890-8653
CONTACT: HAROLD G. BLAYLOCK



VICINITY MAP
NOT TO SCALE

Clayton, Sr., P.E., Inc.
CIVIL & ENVIRONMENTAL ENGINEERING
46 WEST WASHINGTON STREET
COATS, NORTH CAROLINA 27521
PHONE: 910-897-7070 FAX: 910-897-6767
License No. C-2570 www.ctclayton.com

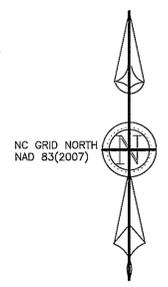
SHEET INDEX

COVER SHEET
SITE PLAN _____ 1
SECTIONS _____ 2

DESIGNED	WLF	DATE:	12/17/12
DRAWN	WLF	CTC PROJ. #	140002
CHECKED	CTC Jr.	DWG FILE:	140002.MAS.dwg
PROJ. ENG.	CTC Jr.		

Clayton Sr. P.E.
12/21/2012 DATE

P:\140 Blaylock\14002 2013 LCID Renewal\CA\140002.MAS.dwg Dec 17, 2012 3:56pm



NOW OR FORMERLY
GWENDOLYN SIMPSON CAMERON
D.B. 1223 PG. 699

NOW OR FORMERLY
ELBERT HALL
D.B. 847 PG. 128

NOW OR FORMERLY
FLOYD DAY
D.B. 587 PG. 148

NOW OR FORMERLY
FLOYD DAY
D.B. 587 PG. 148

NOW OR FORMERLY
ROSWITHA DAY
D.B. 933 PG. 858

Control Point #4
Iron Stake @ Mon. Well
N: 568481.76 ft
E: 1952312.54 ft
El: 464.41 ft

NOW OR FORMERLY
JUNIOR FLEN
D.B. 542 PG. 94

Control Point #5
Iron Stake @ Mon. Well
N: 568187.23 ft
E: 1952565.86 ft
El: 472.47 ft

NOW OR FORMERLY
FAITH BAPTIST CHURCH
D.B. 735 PG. 94

Existing P.K. Nail
N: 567905.72 ft
E: 1952859.8 ft
El: 472.47 ft

NOW OR FORMERLY
KIRKPATRICK ASSOCIATES
D.B. 858 PG. 303

NOW OR FORMERLY
KIRKPATRICK ASSOCIATES
D.B. 994 PG. 753

LEGEND	
	PROPERTY LINE, SURVEYED
	PROPERTY LINE NOT SURVEYED
	RIGHT-OF-WAY LINE, ASSUMED
	EXISTING CONTOUR
	PROPOSED FINAL-GRADE CONTOUR
	PHASE LINE
	100' SETBACK LINE
	SECTION LINE
	LIMITS OF WASTE

PERMANENT SEEDING SCHEDULE		
SHOULDERS, SIDE DITCHES, SLOPES (MAX 3:1)		
DATE	TYPE	PLANTING RATE
August 15-Nov. 1	Tall Fescue	300 lbs/acre
Nov. 01-Mar. 01	Tall Fescue & Abruzzi Rye	300 lbs/acre
Mar. 01-Apr. 15	Tall Fescue	300 lbs/acre
Apr. 15-June 30	Hulled Common Bermudagrass	25 lbs/acre
July 01-August 15	Tall Fescue	120 lbs/acre
	*Brown Top Millet	35 lbs/acre
	*Or Sorghum-Sudan Hybrids	30 lbs/acre

SLOPES (3:1 TO 2:1)		
DATE	TYPE	PLANTING RATE
March 01-June 01	Sericea Lespedeza (Stratified)	50 lbs/acre
(March 01-April 15)	Add Tall Fescue	120 lbs/acre
(March 01-June 30)	Or add Weeping Lovagegrass	10 lbs/acre
(March 01-June 30)	Or add Hulled Common Bermudagrass	25 lbs/acre
June 01-Sept. 01	*Tall Fescue and *Brown Millet	120 lbs/acre
	*Or Sorghum-Sudan Hybrids	30 lbs/acre
Sept. 01-March 01	Sericea Lespedeza (Unhulled-Unstratified)	70 lbs/acre
Nov. 01-March 01	Add Abruzzi Rye	25 lbs/acre

Consult conservation engineer or soil conservation service for additional information concerning other alternatives for vegetation of denuded areas.

**Temporary-Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12: in height before mowing, otherwise fescue may be shaded out.

SEEDBED PREPARATION

- Chisel compacted areas and spread topsoil 5 inches deep over adverse soil conditions, if available.
- Rip the entire area to 6 inches depth.
- Remove all loose rock, roots, and other obstructions leaving surface reasonably smooth and uniform.
- Apply agricultural lime, fertilizer, and superphosphate uniformly and mix with soil (see below).
- Continue tillage until a well-pulverized, firm, reasonably uniform seedbed is prepared 4 to 6 inches deep.
- Seed on a freshly prepared seedbed and cover seed lightly with seeding equipment cutpack after seeding.
- Mulch immediately after seeding and anchor mulch.
- Inspect all seeded areas and make necessary repairs or reseedings within the planting season, if possible. If stand should be over 60% damaged re-establish following original time, fertilizer and seeding rates.
- Consult conservation inspector on maintenance treatment and fertilization after permanent cover is established.

*Apply: Agricultural limestone-1 tons/acre or 2 tons/acre in clay soils
Fertilizer-1000 lbs/acre (20-20-20) or 2000 lbs/acre (10-10-10)
Mulch-2 tons/acre (small grain straw) and crimp

TEMPORARY SEEDING SCHEDULE		
SHOULDERS, SIDE DITCHES, SLOPES		
DATE	TYPE	PLANTING RATE
August 15-Dec 31	Rye (grain)	120 lbs/acre
Dec 31-May 1	Rye (grain)	120 lbs/acre
	Annual Lespedeza*	50 lbs/acre
May 1 - Aug 15	German Millet	40 lbs/acre

Consult conservation engineer or soil conservation service for additional information concerning other alternatives for vegetation of denuded areas.

*Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

**Temporary-Reseed according to optimum season for desired vegetation. Do not allow temporary cover to grow over 12: in height before mowing, otherwise permanent seeding may be shaded out.

SEEDBED PREPARATION

- Chisel compacted areas and spread topsoil 5 inches deep over adverse soil conditions, if available.
- Rip the entire area to 6 inches depth.
- Remove all loose rock, roots, and other obstructions leaving surface reasonably smooth and uniform.
- Apply agricultural lime, fertilizer, and superphosphate uniformly and mix with soil (see below).
- Continue tillage until a well-pulverized, firm, reasonably uniform seedbed is prepared 4 to 6 inches deep.
- Seed on a freshly prepared seedbed and cover seed lightly with seeding equipment cutpack after seeding.
- Mulch immediately after seeding and anchor mulch.
- Inspect all seeded areas and make necessary repairs or reseedings within the planting season, if possible. If stand should be over 60% damaged re-establish following original time, fertilizer and seeding rates.
- Consult conservation inspector on maintenance treatment and fertilization after permanent cover is established.

*Apply: Agricultural limestone-2 tons/acre or 3 tons/acre in clay soils
Fertilizer-750 lbs/acre (10-20-10)
Mulch-2 tons/acre (small grain straw)
Anchor-asphalt emulsion at 450 gal/acre if straw is not crimped in place

- General Notes
- TOPOGRAPHIC SURVEY AND BOUNDARY INFORMATION FROM SURVEY DATE DECEMBER 2012 BY ROBERT GODWIN, STREAMLINE LAND SURVEYING, INC.
 - NO WASTE SHALL BE PLACED CLOSER THAN 100' FROM PROPERTY LINE
 - THE FACILITY WILL ACCEPT LAND CLEARING WASTE, INERT DEBRIS, UNTREATED WOOD AND YARD TRASH ONLY. THE SOURCE OF THE WASTE WILL GENERALLY BE PRIVATE LAND CLEARING AND LANDSCAPE MAINTENANCE OPERATIONS IN WESTERN HARNETT COUNTY, SOUTHERN LEE COUNTY AND EASTERN MOORE COUNTY. RATE OF WASTE ACCEPTANCE IS 250-350 CUBIC YARDS PER OPERATING DAY.
 - THE FACILITY IS DIVIDED INTO FOUR PHASES AS SHOWN ON THE SITE PLAN. WASTE WILL BE PLACED IN PHASES 1, 2, 3, AND 4 SUCCESSIVELY. WITHIN 120 CALENDAR DAYS OF COMPLETION OF FILLING IN EACH PHASE THE WASTE WILL BE COVERED AND GROUND COVER VEGETATION WILL BE ESTABLISHED ACCORDING TO THE OPERATIONS PLAN AN ATTENDANT WILL BE ON DUTY AT ALL TIMES THAT THE FACILITY IS OPEN FOR PUBLIC USE. THE ATTENDANT WILL ENSURE COMPLIANCE WITH OPERATIONAL REQUIREMENTS AND PREVENT ACCEPTANCE OF UNAUTHORIZED WASTES.
 - WASTE WILL BE DUMPED AT THE FILL FACE NEXT TO EXISTING WASTE AND PUSHED BY EQUIPMENT INTO A CONTINUOUS MASS OCCUPYING THE SMALLEST AREA FEASIBLE. AFTER PLACEMENT THE WASTE WILL BE COMPACTED BY EQUIPMENT TO THE MAXIMUM PRACTICAL DENSITY. NO WASTE WILL BE BURNED.
 - SOIL COVER WILL BE APPLIED ON TOP OF THE WASTE AT LEAST MONTHLY OR WHENEVER THE UNCOVERED AREA REACHES ONE ACRE IN AREA. THICKNESS OF THE FINAL COVER WILL BE ONE FOOT, MINIMUM.
 - ACCESS ROADS WILL BE CONSTRUCTED AS NECESSARY TO ALLOW HAULING TO THE FILL FACE. ACCESS ROADS WILL HAVE A SURFACE OF COMPACTED SOIL SUFFICIENTLY SANDY TO ALLOW ALL-WEATHER USE OR OF CRUSHED STONE.
 - FILL WILL BE ADVANCED SO THAT WASTE IS NOT PLACED IN WATER AND SURFACE WATER DRAINS AWAY FROM THE WASTE. THE TOP OF FILL AND COVER WILL BE SLOPED TO DIVERT WATER AWAY FROM EXPOSED WASTE AND PREVENT PONDING OVER WASTE.
 - EROSION ON THE SITE WILL BE MINIMIZED BY LIMITING THE AREA OF EXCAVATION AND AVOIDING THE GRADING OF STEEP SLOPES AS MUCH AS POSSIBLE. GROUND COVER VEGETATION WILL BE ESTABLISHED ON DIVERSION BERMS AS THEY ARE CONSTRUCTED AND ON FINAL GRADE WITHIN 120 CALENDAR DAYS AFTER COMPLETION OF FILLING AT EACH LOCATION. THE APPROVED E & S CONTROL PLAN WILL BE FOLLOWED.
 - THE AIR SPACE REMAINING IN THE LANDFILL IS 120,570 CUBIC YARDS: APPROXIMATELY 4.3 YEARS ESTIMATED LIFE EXPECTANCY AS OF DECEMBER, 2012.

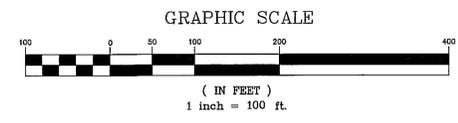
No.	Revision/Issue	Date

Signature: *CTC*
Date: 12/21/2012

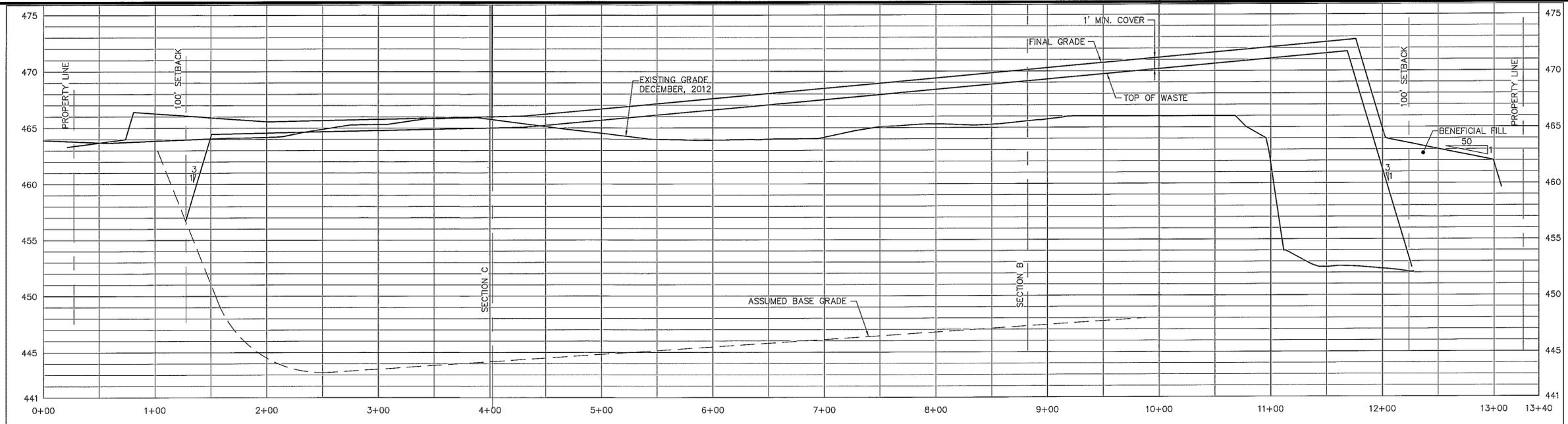


Clayton Sr., P.E., Inc.
CIVIL & ENVIRONMENTAL ENGINEERING
POST OFFICE BOX 576
COATS, NORTH CAROLINA 27521
PHONE: 919-827-7070 FAX: 919-827-4787
MOBILE: 919-785-6302 (Tyrus) Email: tyus@clayton.com

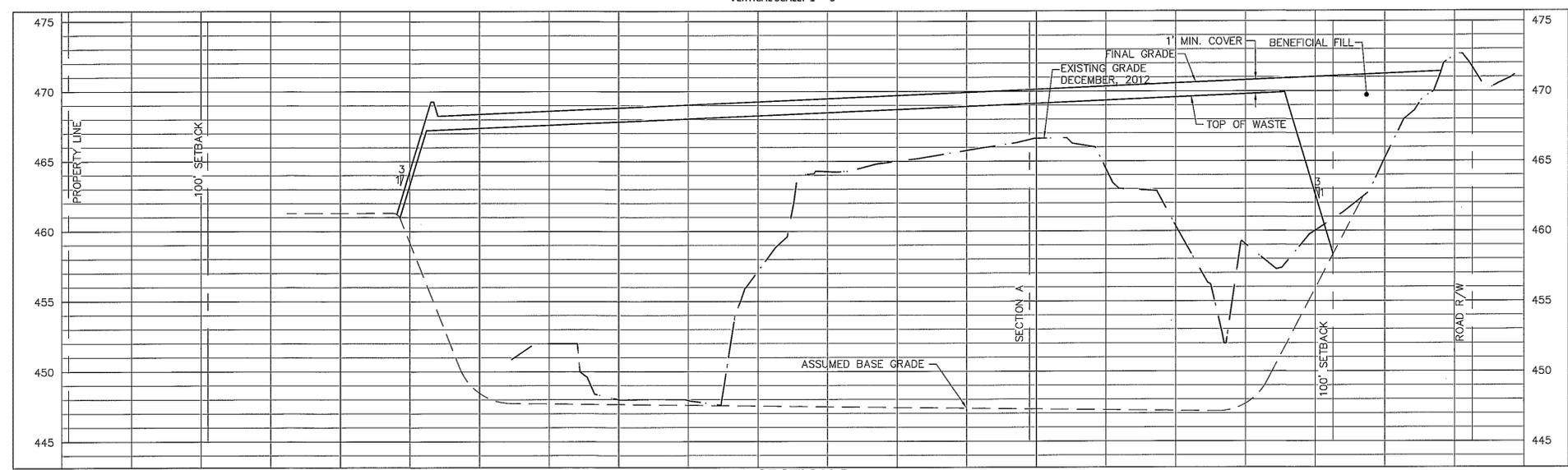
BLAYLOCK GRADING LCID LANDFILL	
HARNETT COUNTY, NORTH CAROLINA	
Project No: 140002	File Name: 140002 MAS.dwg
Designed By: WLF	Drawn By: WLF
Checked By: CTC Jr.	Proj. Eng: CTC Jr.
Sheet Title: SITE PLAN	Sheet: 1 OF 2
Date: 12/17/12	Scale: 1" = 100'



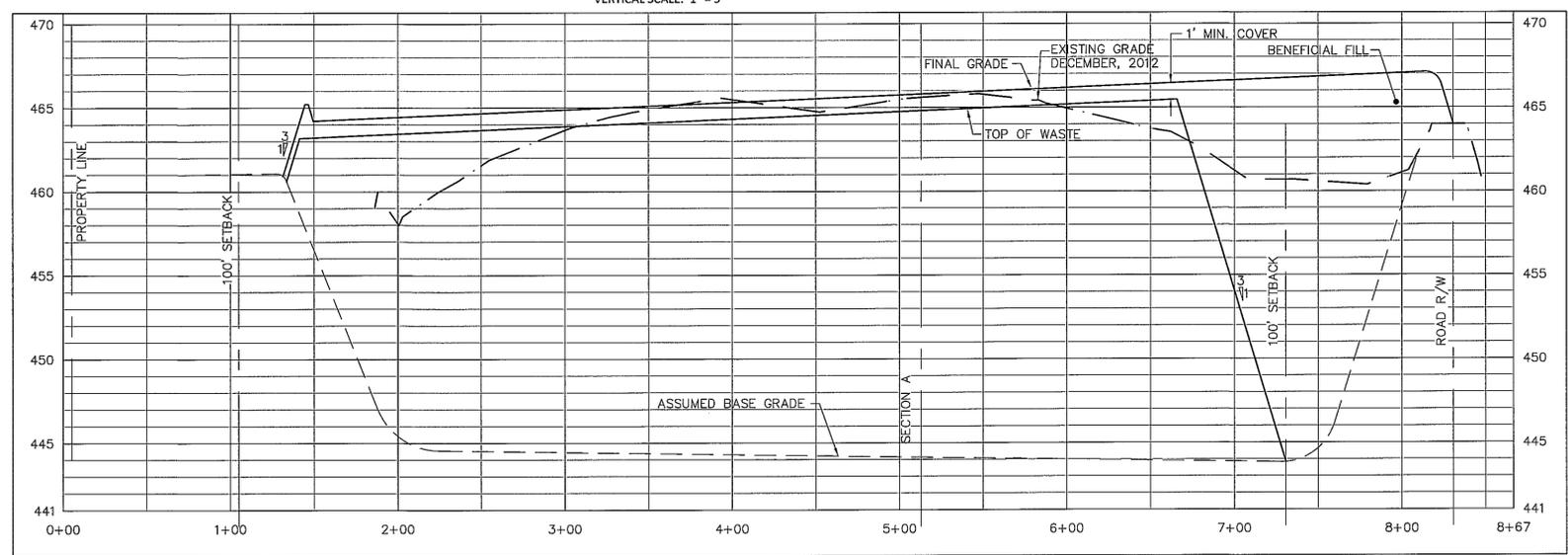
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SECTION A
 HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'



SECTION B
 HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'



SECTION C
 HORIZONTAL SCALE: 1" = 50'
 VERTICAL SCALE: 1" = 5'

No.	Revision/Issue	Date



 Signature: *C. T. Clayton, Sr.*

 Date: 12/21/2012


Clayton, Sr., P.E., Inc.
 CIVIL & ENVIRONMENTAL ENGINEERING
 POST OFFICE BOX 578
 COATS, NORTH CAROLINA 27521
 PHONE: 919-897-7070 FAX: 919-897-6767
 MOBILE: 919-795-6302 (Tyrus) Email: tyus@clayton.com

**BLAYLOCK GRADING
 LCID LANDFILL**

HARNETT COUNTY, NORTH CAROLINA

Project No:	140002	File Name:	140002.MAS.dwg
Designed By:	WLF	Drawn By:	WLF
Checked By:	CTC Jr.	Proj. Eng.:	CTC Jr.

Sheet Title		SECTIONS	
Date	12/17/12	Sheet	2
Scale	AS NOTED	OF	2