

North Carolina
Department of Environment and Natural Resources

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Dexter R. Matthews, Director



April 17, 2002

Mr. Bill Surridge
Barnhill Contracting Company, Inc.
P.O. Box 35376
Fayetteville, North Carolina 28303-5376

Tracking # 6202

Subject: Permit to Construct: Barnhill/McArtan Mine Land Clearing and Inert Debris
Landfill located in Bunnlevel, Harnett County, North Carolina.
Permit #43-E.

Dear Mr. Surridge:

Enclosed please find a Solid Waste Permit, Conditions of the Solid Waste Permit, and a Certified Copy of the Solid Waste Permit for the above referenced Land Clearing & Inert Debris(LCID)landfill. This is a PERMIT TO CONSTRUCT, issued in accordance with Section .0201(b) and consistent with Section .0203 and .0563(6)(c) of the Solid Waste Management Rules 15A NCAC 13B. Phase I is approved for construction as shown on sheet C1 "LCID Landfill Map" and "Cross Sections A and C". Based on the plans submitted, no excavation is proposed within the landfill footprint limits. The issuance of this permit does not exempt an applicant from any local ordinances that may regulate a facility and the responsibility of compliance with any applicable ordinance lies with the permit holder.

Please note Condition No. 3, which states that this permit shall not be effective unless the certified copy is filed in the Register of Deeds office and the copy is returned to the Solid Waste Section, within thirty (30) working days, from date received, with the page and book number, date of recordation, and Register's seal.

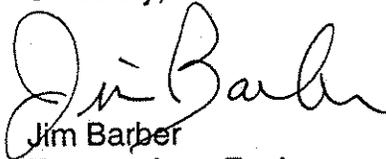
Also note Condition No. 9, which requires that a pre-operative meeting be held and that outlines the pre-operative conditions that need to be met prior to operation of Phase I.

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-733-0692 \ FAX: 919-733-4810 \ Internet: www.enr.state.nc.us/

Mr. Surridge
Page 2
April 17, 2002

Please contact Mr. Robert Hearn, Waste Management Specialist, when you are ready to schedule this meeting. Mr. Hearn can be reached in our Raleigh Regional Office at (919) 571-4700. If you have questions about your permit, please contact me at (910) 486-1541 Ext: 225 or (919) 733-0692 Ext: 344.

Sincerely,



Jim Barber
Eastern Area Engineer
Solid Waste Section

cc: Jim Coffey
Mark Fry
Robert Hearn
✓ Raleigh Central File: Permit # 43-E: McArtan mine/LCID LF; Harnett County

PERMIT NUMBER: 43-E
ORIGINAL DATE ISSUED(PTC): 04/17/02

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
1646 MAIL SERVICE CENTER; RALEIGH, N.C. 27699-1646

SOLID WASTE PERMIT

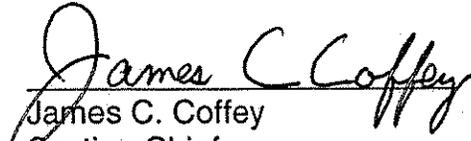
BARNHILL CONTRACTING COMPANY, INC.

is hereby issued a PERMIT TO CONSTRUCT

PHASE I of a

LAND CLEARING AND INERT DEBRIS (LCID) LANDFILL

on property located south of Josey Williams Road (N.C.S.R. 2027), in Bunnlevel, Harnett County, North Carolina in accordance with Article 9, Chapter 130A of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description in the permit application and the site drawings.


James C. Coffey
Section Chief
Solid Waste Section
Division of Waste Management

PERMIT NUMBER: 43-E
ORIGINAL DATE ISSUED(PTC): 04/17/02
FACILITY NAME: BARNHILL CONTRACTING COMPANY, INC.
LAND CLEARING & INERT DEBRIS LF(phase 1)
BUNNLEVEL, HARNETT COUNTY, N.C..

CONDITIONS OF PERMIT

1. This PERMIT TO CONSTRUCT is issued for the construction of the proposed LAND CLEARING AND INERT DEBRIS LANDFILL (PHASE 1) in accordance with the approved plan sheet C1 dated 15 February 2002 (received as part of the permit submittal document dated 19 March 2002). This permit is for the construction of PHASE I, as shown on sheet C1 , along with any infrastructure that is required by the rules; i.e. gate, sign, access road, and incidental grading of the PHASE I to allow for surface water management .
2. All earth disturbing activities will be conducted in accordance with all federal, state, and local requirements and consistent with the NPDES permits issued from the Division of Water Quality.
3. All sedimentation and erosion control activities shall be conducted in accordance with the Sedimentation Control Act 15A NCAC 4 and consistent with the approved mining permit (26-16) issued by the Division of Land Resources - Land Quality Section.
4. **This permit shall not be effective unless the certified copy is filed in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land in the county or counties in which the land is located.** The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Division of Solid Waste Management, within **THIRTY (30)** working days, from date received. Please send the recorded permit copy to:

SOLID WASTE SECTION
225 GREEN STREET; SUITE 601
FAYETTEVILLE, NORTH CAROLINA 28301
ATTN: JIM BARBER
5. When this property is sold, leased, conveyed, or transferred, the deed or other instrument of transfer shall contain in the deed description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a land clearing and inert debris landfill.

PERMIT NUMBER: 43-E
ORIGINAL DATE ISSUED(PTC): 04/17/02
FACILITY NAME: BARNHILL CONTRACTING COMPANY, INC.
LAND CLEARING & INERT DEBRIS LF(phase 1)
BUNNLEVEL, HARNETT COUNTY, N.C..

6. Waste shall be placed a minimum of four (4) feet above the seasonal high water table. Excavation at the site is not planned in accordance with the permit submittal document. Incidental grading can be performed to managed surface water at the site within PHASE I. If grading or borrowing of soils outside of the proposed landfill footprint is necessary, then a as-built drawing can be produced and submitted with the Permit to Operate application.
7. This permit is not transferable.
8. The following requirements shall be met prior to the issuance of the **PERMIT TO OPERATE** and receiving solid waste at the site:
 - a. A site inspection and pre-operative meeting shall be conducted by a representative of the Solid Waste Section.
 - b. A sign shall be posted at the entrance as required by the NC Solid Waste Management Rules Operational Requirements, 15A NCAC 13B .0566 (16).
 - c. Survey stakes/posts shall be installed to delineate the limits of PHASE I.
 - d. Certification letter by a register engineer or the project engineer that the required site work was done in accordance with the approved plans and that the separation of four feet to seasonal high groundwater, as shown on the approved plans is consistent with Solid Waste Section Rules.
 - e. Site access controls shall be installed and operational.
 - f. Installation of two methane gas wells along the northern property boundary as addressed in the response letter dated 19 March 2002. Locations of the wells shall be placed on a as-built drawing for the site and submitted along with the boring logs and well construction records. The wells shall be installed to a depth equal to the maximum depth of waste placement at the site. The wells shall be placed at the 100' buffer limit/highway right-of-way line.

7620758

FILED
BOOK 762 PAGE 758-761

MAR 23 11 19 AM '84

CLEVELAND L. ROSS
REGISTER OF DEEDS
HARNETT COUNTY, N.C.

STATE OF NORTH CAROLINA
Real Estate Excise Tax
= 57.50
57.50
3-23-84
57.50

Excise Tax

Recording Time, Book and Page

Tax Lot No. Parcel Identifier No.
Verified by County on the day of 19.....
by

Mail after recording to Robert H. Jones, Attorney at Law
P. O. Box 966, Lillington, N. C. 27546

This instrument was prepared by Robert H. Jones, MORGAN, BRYAN, JONES & JOHNSON, Attorneys at Law
Brief description for the Index P. O. Box 966, Lillington, North Carolina 27546

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 20th day of March, 1984, by and between

GRANTOR

GRANTEE

ALVIN R. McARTAN and wife, CHARLOTTE C. McARTAN

CUMBERLAND PAVING COMPANY, a Delaware Corporation
P. O. Box 35376
Fayetteville, North Carolina 28303

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Stewart's Creek Township, Harnett County, North Carolina and more particularly described as follows:

TRACT 5:

That certain tract or parcel of land containing 40.93 acres, lying in Stewart's Creek Township, Harnett County, North Carolina, and bounded as follows: On the North by State Road 2027, on the West by the lands of Ida W. Kilpatrick, on the South by the Lower Little River (Harnett-Cumberland County line), and on the East by the lands of Williams, and more particularly described as follows:

BEGINNING at an iron stake on the northern bank of the Lower Little River at the high water mark, a corner with Ida W. Kilpatrick, and runs thence North 36 degrees 54 minutes 30 seconds East 279.85 feet to an iron stake, another corner with Kilpatrick; thence North 1 degree 49 minutes West 925.62 feet to the center line of State Road 2027 (60' R/W) with an iron stake in the southern margin of the right of way; thence, with the center line of said State Road 2027, North 79 degrees 53 minutes East 257.52 feet to the point of

a curve in said road; thence, continuing as the center line of said road, as a curve to the right, said curve having a radius of 1,478.86 feet, a delta 11 degrees 35 minutes, a tangent 150 feet with an arc distance of 298.97 feet; thence, continuing as the center line of said road, South 88 degrees 32 minutes East 124.9 feet to a corner with Tracts 6 and 7; thence, continuing as the center line of said road and South 88 degrees 32 minutes East 682.41 feet to a point in the center line of said road, a new corner with the Southeast corner of Tract 7, being in the original line; thence, as a common line with Williams and the original line, South 4 degrees 00 minutes 47 seconds West 1,347.55 feet to a concrete monument on the northern bank of the Lower Little River at the high water mark, another corner with Williams; thence up the Lower Little River to the point of BEGINNING, a traverse line, as follows: South 73 degrees 41 minutes 20 seconds West 180.05 feet, South 85 degrees 23 minutes 30 seconds West 185.3 feet, North 79 degrees 00 minutes 30 seconds West 348.6 feet, North 82 degrees 40 minutes 30 seconds West 334.45 feet, South 73 degrees 21 minutes West 143.25 feet, North 57 degrees 58 minutes West 275.5 feet, and being Tract 5 according to survey and plat of Artis P. Spence, dated March 4, 1984 (Revision: 3-9-84) entitled "Property of Alvin McArtan" which plat is recorded in Plat Cabinet 2, Slide 145, Harnett County Registry.

This conveyance is made subject to a Carolina Power and Light Company line easement recorded in Book 437, Page 134, Harnett County Registry, extending in an easterly - westerly direction and running approximately parallel to State Road 2027 extending across the northern portion of the above tract.

This conveyance is also subject to the 60 foot right of way with respect to State Road 2027 recorded in Book 462, Page 37, Harnett County Registry.

It is agreed and understood that no crop allotments pass with this conveyance, all such allotments being reserved to the Grantors.

1984 Harnett County ad valorem taxes will be prorated to the date of closing.

ATTACHMENTS

1. Permit submittal document dated 27 September 2001, with original drawing dated 25 September 2001, received 27 September 2001. Included in this document are the following items;
 - a. Zoning consistency letter dated 10 July 2001
 - b. Mining permit 43-14 issued 7 November 1994
 - c. Site plans, construction and operational
 - d. E&S approval letter dated 10 September 2001
 - e. Harnett County road map
 - f. Ground water determination report dated 24 July 2001
 - g. Warranty deed recorded 23 March 1984
 - h. 100 year floodplain map copy
 - i. Corps of Engineers letter dated 7 September 2001
 - j. Letter from Cultural Resources dated 9 August 2001
 - k. Letter from Natural Heritage Program dated 19 July 2001
2. Completeness review letter dated 11 January 2002.
3. Letter dated 14 March 2002 from Barnhill Contracting.
4. Response letter dated 19 March 2002 with revised site drawing dated 15 February 2002.

RECEIVED

MAY 06 2002

CERTIFIED COPY OF SOLID WASTE PERMIT

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

I do hereby certify that the attached permit is an exact and true copy of Permit Number 43-E.

FOR REGISTRATION REGISTER OF DEEDS
KIMBERLY S. HARGROVE
HARNETT COUNTY, NC
2002 APR 29 02:57:39 PM
BK: 1616 PG: 471-480 FEE: \$38.00
INSTRUMENT # 2002007999

James C Coffey
James C. Coffey
Section Chief
Solid Waste Section
Division of Waste Management

North Carolina

WAKE County

I, B. J. STANFIELD, Notary Public for said County and State, do hereby certify that JAMES C. COFFEY SECTION CHIEF, SOLID WASTE SECTION, DIVISION OF WASTE MANAGEMENT personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and seal, this the 17 day of APRIL, 2002.



B. J. Stanfield
Notary Public

My commission expires DECEMBER 29, 2004.



RECEIVED

MAY 06 2012

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

KIMBERLY S. HARGROVE
REGISTER OF DEEDS, HARNETT
COURTHOUSE
P.O. BOX 279
LILLINGTON, NC 27546

Filed For Registration: 04/29/2002 02:57:39 PM
Book: RE 1616 Page: 471-480
Document No.: 2002007999
PERMIT 10 PGS \$38.00

Recorder: TRACY B TAYLOR

State of North Carolina, County of Harnett

The foregoing certificate of B. J. STANFIELD Notary is certified to be correct. This 29TH of April 2002

KIMBERLY S. HARGROVE, REGISTER OF DEEDS

By: Tracy B. Taylor
Deputy/Assistant Register of Deeds

2002007999

2002007999



43-E
PERMIT FILE
HARRIETT CO. 17
CF COPY

Harrington Cty.

July 3, 2002

Mr. Jim Barber
NCDENR – Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: McArtan Mine LCID Landfill

Dear Mr. Barber,

In response to your letter dated April 17, 2002, you requested certification indicating that the 4' separation to the seasonal high groundwater has been provided for Phase I of the landfill area (see condition 8.d. of your letter).

Barnhill Contracting Co., the owner of the landfill, is continuing to work under the 2-acre notification until they meet the requirements of your letter. As it is more cost effective, their method of operation is to extend a shelf of earth fill material ahead of the construction debris. Therefore, I can only attest to what has been placed as of the writing of this letter. Based on field data provided by an independent surveyor, as of June 20, 2002, I certify, to the best of my ability and knowledge, that Barnhill has provided the required 4' separation between the construction debris and the seasonal high water table.

If you have any questions or require additional information, please do not hesitate to call or e-mail (scottbeasley@fayetteville.net).

Sincerely,
Crawford Design Company


P. Scott Beasley, PE
Vice President



Land Clearing and Inert Debris Permit Application

McArtan Mine – Barnhill Contracting Co., Inc.
Harnett County, North Carolina

Prepared by:

Crawford Design Company

Landscape Architects • Engineers • Planners
Fayetteville, NC

APPROVED
DIVISION OF SOLID WASTE MANAGEMENT
DATE 4/17/02 BY DAB

43-E

CF COPY



Project Description

The proposed project is located off of SR 2027 (Josey Williams Road) in Harnett County, North Carolina. The existing site is a permitted mine (Permit Number 43-14). The front portion of the property, which is currently an old mine pit, will be filled with land clearing and inert debris up to the approximate original ground surface. An erosion and sedimentation control plan was submitted and subsequently approved by the Land Quality Section, North Carolina Department of the Environment and Natural Resources. The project will consist of clearing and grubbing, placement of fill material to bring the existing ground surface up to a minimum of 4 feet above the seasonal high water table, grading, placement of construction debris (concrete and asphalt) and other acceptable LCID fill material, placement of cover over the construction debris per LCID permit requirements, and seeding and stabilization of disturbed areas.

Site Description

The site is a 40.93 acre tract, of which 24.99 acres are permitted as a mine under current Permit Number 43-14. The site is roughly divided into two parts: The front portion, which borders SR 2027, is an old mine pit that measures approximately 11.99 acres. The back portion, which covers the remaining 13.0 acres, is an active mine. The owner proposes to fill the front half of the site with construction debris under the provisions of a Land Clearing and Inert Debris facility permit and release the 11.99 acres from the existing mining permit. Following the landfill activity, the area shall be covered, seeded and stabilized.

Stormwater runoff from the front portion of the site is conveyed to a natural low area through an existing ditch. The direction of flow in the ditch is north to south. Stormwater exits the natural low area through a 24" pipe under the haul road.

As the site is filled with construction debris, soil cover will be added at monthly intervals, or whenever the active area reaches one (1) acre in size, whichever comes first. Non-active areas shall be disturbed as little as possible, so as not to disturb existing groundcover.

Land Clearing and Inert Debris Application Requirements

The following information is submitted in accordance with Rule .0565 APPLICATION REQUIREMENTS FOR LAND CLEARING/INERT DEBRIS (LCID) LANDFILLS, of Title 15A Subchapter 13B of the North Carolina Administrative Code:

- (1) (a) A letter from the Harnett County Planning Department stating that the property is in an area that is not zoned.
- (b) A copy of a portion of the county roadmap showing the site.
- (c) A letter from S&ME, the company who conducted on-site borings, that provides information on the seasonal high water table. The approximate locations of the borings are noted on the attached map.

- (d) This report was written with the intent to meet the requirements of rule .0565 (1)(d).
- (e) A copy of the deed.
- (2) (a) – (f) A map of scale 1" = 100' showing property lines, location of structures, approximate 100-year flood zone boundaries (also see attached letter from Mr. Ronald G. Fascher, PE, Planning Services Section, U.S. Army Corps of Engineers), wetland boundaries (none in proposed LCID facility – see attached letter from Lillette Moore, U.S. Army Corps of Engineers), historical and archaeological sites (none – see attached letter from Renee-Gledhill Early, NC Department of Cultural Resources, State Historic Preservation Office), and park, scenic or recreation area boundaries (none – see attached letter from Harry E. LeGrand, Jr., NCDENR Division of Parks and Recreation).
- (3) (a) – (o) The map noted in (2) above provides proposed final contours for the landfill activity, in addition to the existing contours. This map notes pertinent features in the proposed landfill intended to address the requirements of this rule.
- (4) (a) – (e) Operational Plan (see below)

Operational Plan

The following operational plan is submitted to address the requirements of rule .0566 OPERATIONAL REQ. FOR LAND CLEARING/INERT DEBRIS (LCID) LANDFILLS:

Owner Information

Owner: Barnhill Contracting Company, Inc.
Address: P.O. Box 35376, Fayetteville, NC 28303-5376
Phone: (910) 488-1319
Fax: (910) 488-5673
Contact: Mr. Bill Surridge (responsible for operation and maintenance of facility)

Projected Use of Land

Following completion of all landfill activity, the site will be allowed to naturalize.

Description of Landfill Operation and Closure

In accordance with rule .0566, the landfill shall first be prepared for landfilling activity by adding fill to certain areas of the mine pit to bring the elevation up to a minimum of 4 feet over the seasonal high water table. Erosion control measures shall be installed per the approved plan on an as-needed basis.

LCID fill material, consisting of construction debris such as concrete and asphalt, and trees, stumps and other cleared organic matter, shall be hauled in and dumped in small cells. The cells shall be compacted as densely as possible.

Soil cover shall be applied monthly, or when the active area reaches 1 acre in size, whichever occurs first. Inactive areas shall be seeded as required to provide a

sufficient erosion-restraining ground cover within 30 working days/120 calendar days.

Access to the facility is, and shall continue to be restricted to unauthorized persons through a locked gate at the entrance and a berm that lies along the northern edge of the property.

The haul road shall be properly maintained.

Solid waste shall not be disposed of in water, nor shall it be burned.

A sign shall be posted at the entrance to the facility. The sign shall provide the permit number and the appropriate contact information, in case of an emergency.

Following the completion of all landfill activity, the disposal area shall be covered with a minimum of one foot of suitable cover, sloped as shown on the attached map so as not to hold water or cause erosion. The entire area shall then be seeded and stabilized per the approved erosion control plan.

Description of Waste Material

The primary types of material to be hauled in to the proposed landfill include the following: demolished concrete, demolished asphalt, crushed concrete pipe (no rebar), undercut material (soil that contains organic material that is unsuitable to build upon), strippings (topsoil, grass, etc.), stumps, trees, and other land clearing waste, inert debris, untreated wood, and yard trash.

Initially, the primary source for this material will be the NC 210 Widening Project in Harnett County (NCDOT #6.451010). However, over the course of the landfilling activity, other sources shall be used. Other sources will contain similar types of material.

The approximate quantity of waste is 43,000 cubic yards of hauled-in debris.

Emergency Contingency Plan

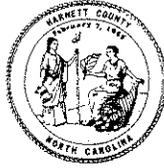
In case of any emergency, the owner/operator of the landfill shall immediately call the appropriate local authorities.

COUNTY OF HARNETT

PLANNING DEPARTMENT

PLANNING
INSPECTIONS
SECTION 8 HOUSING

GEORGE JACKSON
PLANNING DIRECTOR



July 10, 2001

Crawford Design Company
Attn: Scott Beasley
914 Hay Street
Fayetteville, NC 28305

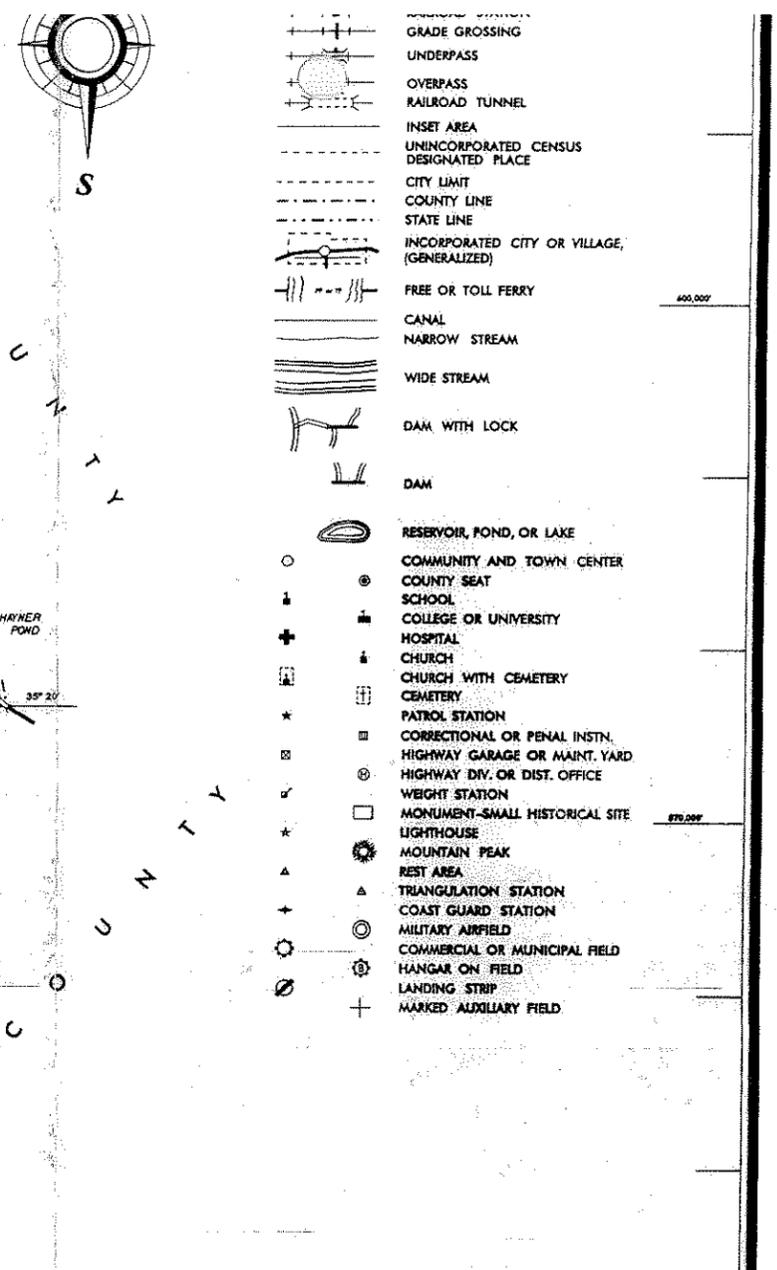
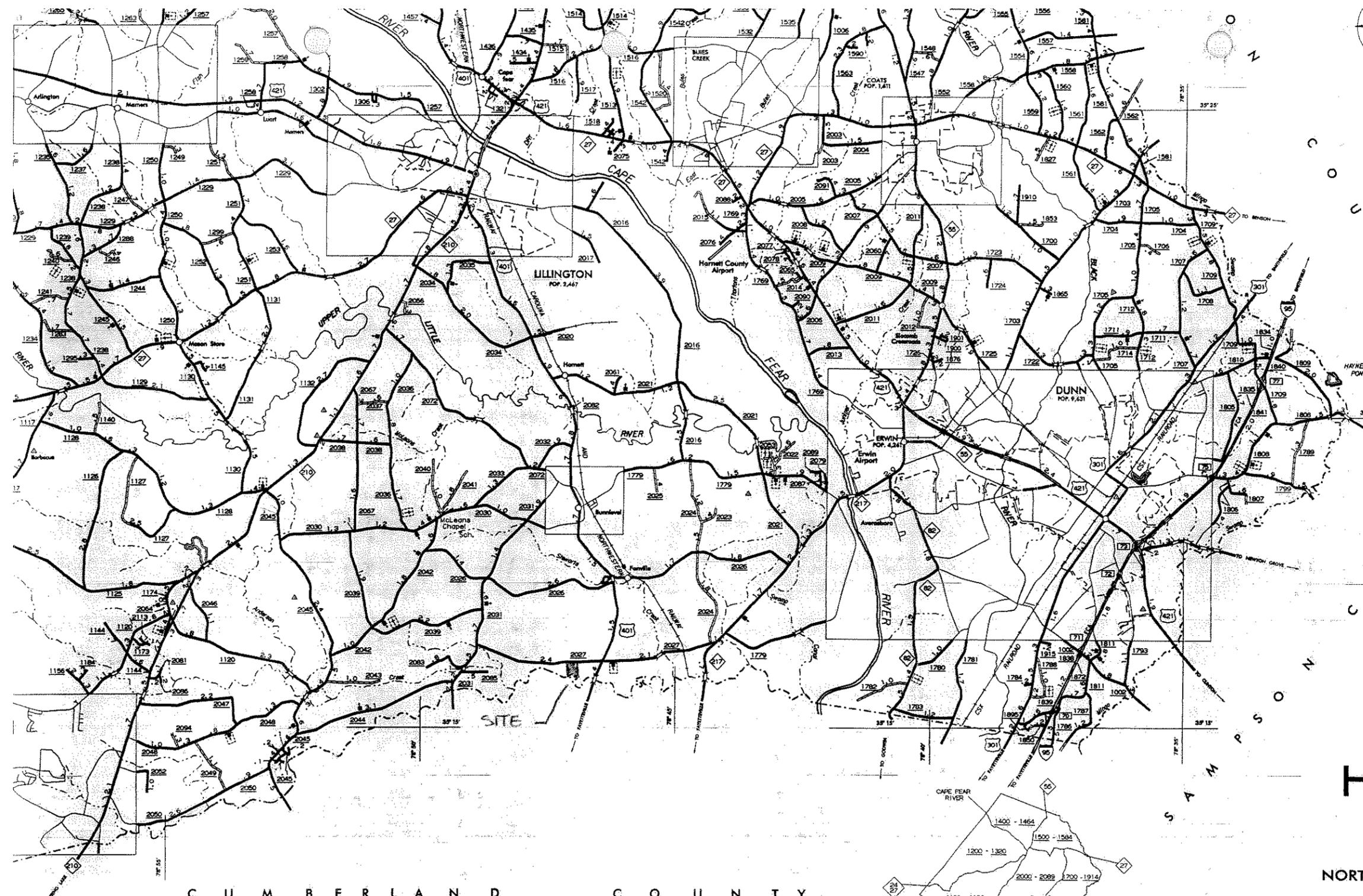
Dear Mr. Beasley:

Parcel # 12-0565-0004 located off SR 2027 (Josey Williams Road) in the Stewart's Creek Township contains a 40.93 acre tract located in an area of Harnett County that is unzoned. The request for an LCID would be a permitted use in the Stewart's Creek Township provided that all county setbacks are maintained and all proper permits obtained.

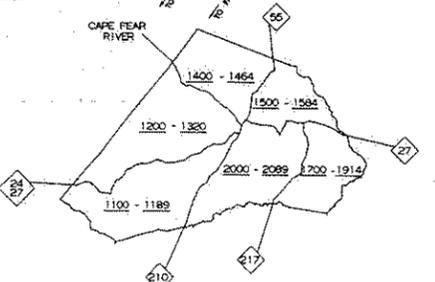
If you should have any more questions please contact the Harnett County Planning Department.

Sincerely,

Teresa Byrd
Administrative Assistant

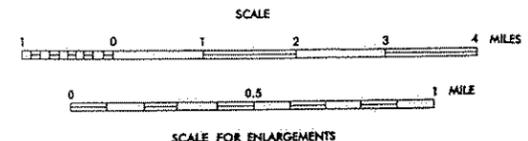


C U M B E R L A N D C O U N T Y



KEY TO COUNTY ROAD NUMBERS
 ALSO NUMBERS 1001 - 1006, 2090
 NOTE: MAP INCLUDES ONLY STATE MAINTAINED ROADS
 OR IMPORTANT NON-SYSTEM ROADS.
 MILEAGE NOT SHOWN ON FRONTAGE ROADS.
 ROADS SHOWN AS OF OCT. 9, 1997.

PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - GIS UNIT
 IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION



10,000 FOOT GRID BASED ON NORTH CAROLINA PLANE COORDINATE SYSTEM
 POLYCONIC PROJECTION

SHEET 1 OF 2



July 24, 2001

Crawford Design Co.
914 Hay St.
Fayetteville, NC 28305

Attention: Scott Beasley

Reference: Hand Augers
Barnhill Mining Pit
Lillington, NC
S&ME Job No.1033-01-965

Dear Mr. Beasley:

As requested, a representative of S&ME, Inc. visited the above referenced site to perform four shallow hand augers to determine the existing water level and to determine the seasonal high water level.

The borings were advanced with a hand auger to depths ranging from 3 to 7 feet below the existing ground surface. The samples were visually classified in the field by our representative.

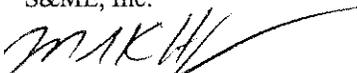
Based upon the results of the hand augers, the shallow hand augers at the east end of the pit encountered approximately 3 feet of sand below the existing ground surface before the auger holes collapsed. At the west end of the pit, the shallow hand auger borings encountered approximately 1 foot of sand underlain by clay to the auger completion depths of 6 and 7 feet below the existing ground surface for hand auger locations 3 and 4 respectively. The approximate location of the hand auger borings is attached.

Water levels were noted at a depth of 3 feet of sand below the existing ground surface at test locations 1 and 2 and at a depth of 6 feet below the existing ground surface at locations 3 and 4. Based upon our visual classification and observations, it is our opinion that the seasonal high water level would be approximately 2 feet below the existing ground surface at locations 1 and 2, and 3 feet below the existing ground surface at locations 3 and 4.

If more accurate water level readings are required, piezometers could be installed and measured periodically. Also, due to presence of surficial clays, perched water conditions will occur within the surface sands after periods of heavy or extended rainfall.

If you should have any questions, please do not hesitate to contact us.

Sincerely,
S&ME, Inc.


Mark K. Hardy, P.E.
Branch Manager
NC Registration No.21504



S&ME, Inc.
409 Chicago Drive, Suite 116
Fayetteville, North Carolina 28306

(910) 323-1091
(910) 323-3499 fax
www.smeinc.com

S&ME, INC
 Fayetteville, NC
 SUMMARY OF HAND AUGER BORING

Project Name: Barnhill Mining Pit
 Job Number: 1033-01-965

Date	Test Location	Soil Description	Dynamic Cone Penetrometer Resistance			
			Depth (Feet)	Hammer Blows		
				1st	2nd	3rd
7/19/01	#1	Tan/Orange Medium Sand	0			
		Gray Medium Sand	2'			
		Tan Fine/Medium Sand (Wet)	3'			
#2		Tan/Orange Medium Sand	0			
		Gray Medium Sand	2'			
		Tan Fine/Medium Sand (Wet)	3'			
#3		Tan/Orange Medium Sand	0			
		Orange Clay	1'			
		Gray Clay	3'			
#4		Gray Clay (Wet)	6'			
		Orange Coarse Sand	0			
		Orange Clay	1'			
		Gray Clay	3'			



7620758

FILED
BOOK 768 PAGE 758-761
MAR 23 11 19 AM '84
CLERK L. ROSS
REGISTER OF DEEDS
HARNETT COUNTY, N.C.

STATE OF NORTH CAROLINA
Real Estate Excise Tax
57.50
3-23-84
57.50

Excise Tax

Recording Time, Book and Page

Tax Lot No. _____ Parcel Identifier No. _____
Verified by _____ County on the _____ day of _____, 19____
by _____

Mail after recording to Robert H. Jones, Attorney at Law
P. O. Box 966, Lillington, N. C. 27546
This instrument was prepared by Robert H. Jones, MORGAN, BRYAN, JONES & JOHNSON, Attorneys at Law
Brief description for the Index P. O. Box 966, Lillington, North Carolina 27546

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 20th day of March, 1984, by and between

GRANTOR

GRANTEE

ALVIN R. McARTAN and wife, CHARLOTTE C. McARTAN

CUMBERLAND PAVING COMPANY, a Delaware Corporation
P. O. Box 35376
Fayetteville, North Carolina 28303

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of _____ Stewart's Creek _____ Township, _____ County, North Carolina and more particularly described as follows:

TRACT 5:

That certain tract or parcel of land containing 40.93 acres, lying in Stewart's Creek Township, Harnett County, North Carolina, and bounded as follows: On the North by State Road 2027, on the West by the lands of Ida W. Kilpatrick, on the South by the Lower Little River (Harnett-Cumberland County line), and on the East by the lands of Williams, and more particularly described as follows:

BEGINNING at an iron stake on the northern bank of the Lower Little River at the high water mark, a corner with Ida W. Kilpatrick, and runs thence North 36 degrees 54 minutes 30 seconds East 279.85 feet to an iron stake, another corner with Kilpatrick; thence North 1 degree 49 minutes West 925.62 feet to the center line of State Road 2027 (60' R/W) with an iron stake in the southern margin of the right of way; thence, with the center line of said State Road 2027, North 79 degrees 53 minutes East 257.52 feet to the point of

758

a curve in said road; thence, continuing as the center line of said road, as a curve to the right, said curve having a radius of 1,478.86 feet, a delta 11 degrees 35 minutes, a tangent 150 feet with an arc distance of 298.97 feet; thence, continuing as the center line of said road, South 88 degrees 32 minutes East 124.9 feet to a corner with Tracts 6 and 7; thence, continuing as the center line of said road and South 88 degrees 32 minutes East 682.41 feet to a point in the center line of said road, a new corner with the Southeast corner of Tract 7, being in the original line; thence, as a common line with Williams and the original line, South 4 degrees 00 minutes 47 seconds West 1,347.55 feet to a concrete monument on the northern bank of the Lower Little River at the high water mark, another corner with Williams; thence up the Lower Little River to the point of BEGINNING, a traverse line, as follows: South 73 degrees 41 minutes 20 seconds West 180.05 feet, South 85 degrees 23 minutes 30 seconds West 185.3 feet, North 79 degrees 00 minutes 30 seconds West 348.6 feet, North 82 degrees 40 minutes 30 seconds West 334.45 feet, South 73 degrees 21 minutes West 143.25 feet, North 57 degrees 58 minutes West 275.5 feet, and being Tract 5 according to survey and plat of Artis P. Spence, dated March 4, 1984 (Revision: 3-9-84) entitled "Property of Alvin McArtan" which plat is recorded in Plat Cabinet 2, Slide 145, Harnett County Registry.

This conveyance is made subject to a Carolina Power and Light Company line easement recorded in Book 437, Page 134, Harnett County Registry, extending in an easterly - westerly direction and running approximately parallel to State Road 2027 extending across the northern portion of the above tract.

This conveyance is also subject to the 60 foot right of way with respect to State Road 2027 recorded in Book 462, Page 37, Harnett County Registry.

It is agreed and understood that no crop allotments pass with this conveyance, all such allotments being reserved to the Grantors.

1984 Harnett County ad valorem taxes will be prorated to the date of closing.

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

HARNETT COUNTY,
NORTH CAROLINA AND
INCORPORATED AREAS

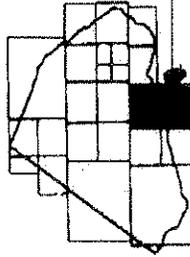
PANEL 175 OF 185

CONTAINS
COMMUNITY

NUMBER PANEL SUFFIX

UNINCORPORATED AREAS 370328 0175 0

PANEL LOCATION



MAP NUMBER:
37085C0175 D

EFFECTIVE DATE:
APRIL 16, 1990



Federal Emergency Management Agency

OTHER FLOOD A
ZONE X
 Areas O
 with a
 drainah
 protect

OTHER AREAS
ZONE X Areas plain
ZONE D Areas
UNDEVELOPED

Flood
 Flood
 Zone
 Bou
 Zone
 Diff
 Spc
 Ba
 C/A
 Ba
 W
 E
 N

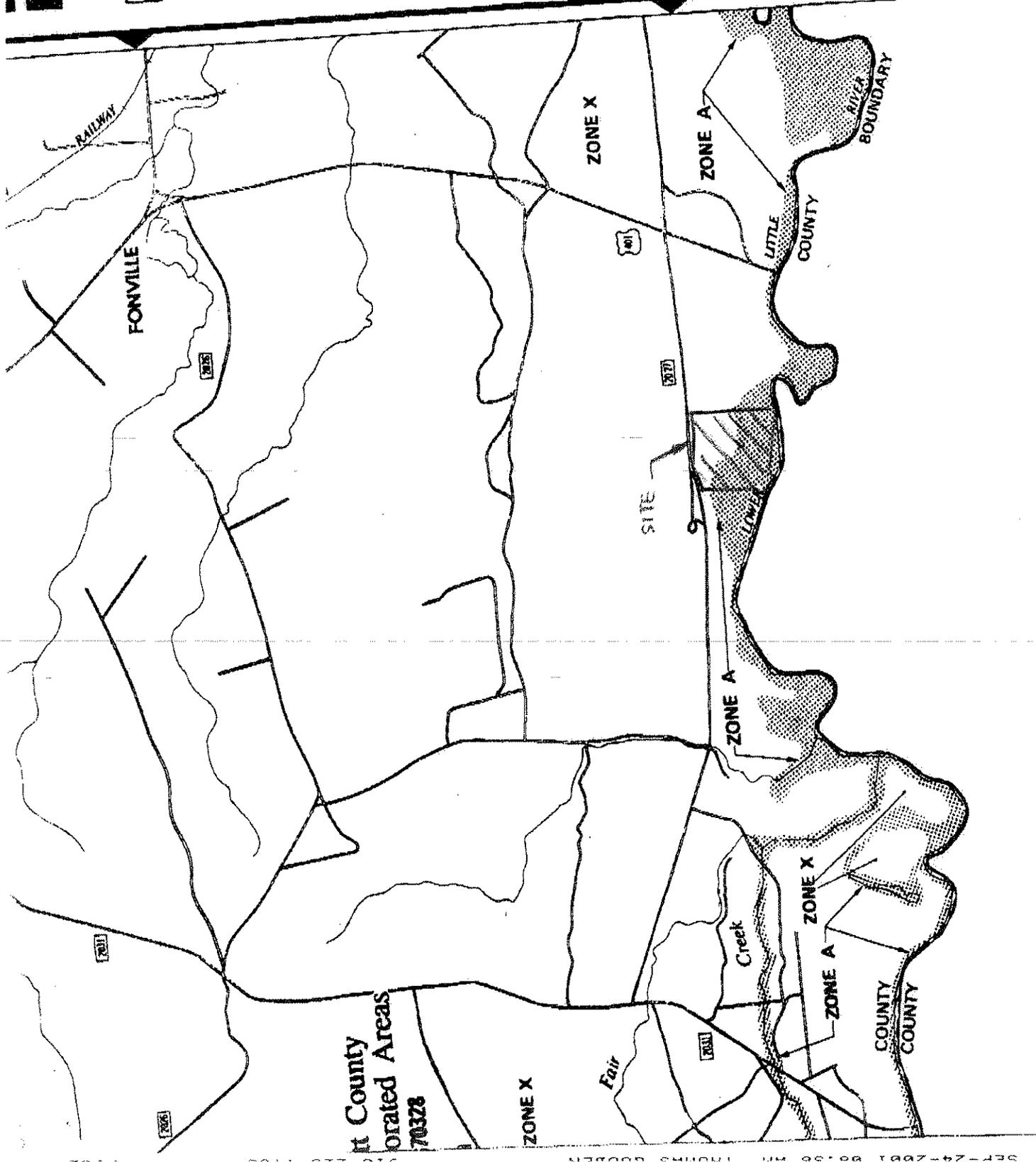
567
 (EL 19)
 RM5 X
 M3.0

*Referenced to the National Coast

This map is for use in administrative
 does not necessarily identify all pla
 Area or all areas subject to flood
 of small size.

Areas of Special Flood Hazard (I
 AH, AO, AP9, V, VE and VI-VX;
 Certain areas not in Special Flood
 structures.

Boundaries of the floodway wet
 between cross sections. The flood
 with regard to requirements of
 Floodway widths in some areas
 Floodway Data Table where the
 Coastal base flood elevations of
 This map incorporates approx
 under the Coastal Barrier Reser
 Elevation reference marks are
 Corporate limits shown are cu
 contact appropriate communi
 changed subsequent to the in
 For community panel revision
 Community Map History in
 For adjoining panels, see set



Little County
 Flood Hazard Areas
 70328



DEPARTMENT OF THE ARMY
WILMINGTON DISTRICT, CORPS OF ENGINEERS

P.O. BOX 1890
WILMINGTON, NORTH CAROLINA 28402-1890

September 7, 2001

IN REPLY REFER TO

Planning Services Section

Mr. P. Scott Beasley, PE
Crawford Design Company
914 Hay Street
Fayetteville, North Carolina 28305

Dear Mr. Beasley:

This is in reply to your August 22, 2001, request and payment for 100-year (one-percent chance) flood level information for property near the Lower Little River, approximately one mile upstream of the US 401 crossing in Harnett County, North Carolina. The property extends for a distance of about 1,500 feet along the river, which forms the boundary between Harnett and Cumberland County in this area.

Based on a review of Panel 175 of the April 1990 Harnett County, North Carolina and Incorporated Areas Flood Insurance Rate Map (FIRM) and the pertinent panel of the February 1982 Cumberland County FIRM, this area is mapped approximately without 100-year flood elevations shown. However, based on two sources of information, we estimate that the 100-year flood height at this location is about 14 feet above the top of bank of the river. These sources include (1) a flood profile of the river from the August 1981 Cumberland County Flood Insurance Study report, at an upstream location where detailed flood elevations have been determined; (2) the HEC-2 input file for the detailed study portion of river; and (3) an approximate method developed by the United States Geological Survey for determining flood heights. The actual elevation of this height will vary along the river due to the increasing elevation of the river bottom and top of bank as you proceed upstream. Therefore, when the survey is made to determine the flood elevations, at least one measurement should be taken at the upstream and downstream points of interest. Elevations between the points of measurement can be determined by prorating linearly between points.

Flood elevations determined from this method should only be used for planning purposes if a development is planned for this area that is greater than five acres or fifty lots. It is our understanding that the subdivision portion of the minimal flood plain ordinance requires that detailed flood elevation information be obtained for developments of the aforementioned size. We recommend coordination with the county to ensure compliance with their flood plain ordinance.

If we can be of further assistance in this or any other flood plain matter, please contact us. Questions related to this request may be directed to Mr. Bobby Willis at (910) 251-4728.

Sincerely,

Ronald G. Fascher, P.E.
Chief, Planning Services Section

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id.: 200101141

County: Harnett

Quad: Bunn Level

NO DEPARTMENT OF THE ARMY AUTHORIZATION REQUIRED

Property Owner: Barnhill Contracting Company, Inc. **Agent:** P. Scott Beasley
Crawford Design Company
Address: P.O. Box 35376 914 Hay Street
Fayetteville, NC 28303-5376 Fayetteville, NC 28305
Telephone: (910) 221-0033

UTM: North: 3904691 East: 700898 **Zone:** 17

Size and Location of project (waterbody, road name/number, town, etc.): Project is located above the Lower Little River in the town of Stuart's Creek, on SR 2027 (Josey Williams Road), 1/2 mile west of the intersection of SR 2027 and US 401, on the Cumberland County/ Harnett County Border, North Carolina.

Your work as described above does not require Department of the Army authorization for the following reason(s):

- X** There are no jurisdictional waters or wetlands within the boundaries of the project as described above.
- The proposed project does not have a regulated impact on jurisdictional waters or wetlands.
- The proposed project is exempt from Department of the Army regulations.
(Specify)

***There is no Jurisdiction within the areas specified on the transmittal from Crawford Design Company dated 08-09-01.**

Any changes in the described work resulting in impacts to jurisdictional waters or wetlands or any new work in jurisdictional waters or wetlands outside the area described above must be coordinated with the Corps of Engineers prior to commencement. Please contact the Regulatory Official specified below.

For any activity within the twenty coastal counties, before beginning work, you must contact the N.C. Division of Coastal Management at telephone (919) 733-2293 to discuss any required State permit authorization.

This Department of the Army determination does not relieve the property owner of the responsibility to obtain any other required Federal, State, or local approvals/permits.

Date: August 13, 2001

Corps Regulatory Official: *Lillette Moore* **Telephone:** (910) 251-4829

SURVEY PLATS, FIELD SKETCH, WETLAND DELINEATION FORMS, PROJECT PLANS, ETC., MUST BE ATTACHED TO THE FILE COPY OF THIS FORM, IF REQUIRED OR AVAILABLE.



**North Carolina Department of Cultural Resources
State Historic Preservation Office**

David L. S. Brook, Administrator

Michael F. Easley, Governor
Lisbeth C. Evans, Secretary

Division of Archives and History
Jeffrey J. Crow, Director

August 9, 2001

P. Scott Beasley
Vice-President
Crawford Design Company
914 Hay Street
Fayetteville, NC 28305

Re: Land clearing and inert debris landfill, Harnett County, ER 02-7149

Dear Mr. Beasley:

Thank you for your letter of July 19, 2001, concerning the above project.

We have conducted a review of the project and are aware of no properties of architectural, historic, or archaeological significance, which would be affected by the project. Therefore, we have no comment on the project as currently proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, Environmental Review Coordinator, at 919/733-4763.

Sincerely,

David Brook
Deputy State Historic Preservation Officer

DB:kgc

Administration	Location	Mailing Address	Telephone/Fax
Restoration	507 N. Blount St, Raleigh, NC	4617 Mail Service Center, Raleigh 27699-4617	(919) 733-4763 • 733-8653
Survey & Planning	515 N. Blount St, Raleigh, NC	4613 Mail Service Center, Raleigh 27699-4613	(919) 733-6547 • 715-4801
		4618 Mail Service Center, Raleigh 27699-4618	(919) 733-4763 • 715-4801

North Carolina
Department of Environment and Natural Resources
Division of Parks and Recreation

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Philip K. McKnelly, Director



July 19, 2001

Mr. P. Scott Beasley
Crawford Design Company
914 Hay Street
Fayetteville, NC 28305

Subject: Proposed Landfill Facility near the Little River, Harnett County

Dear Mr. Beasley:

The Natural Heritage Program has no record of rare species, significant natural communities, or priority natural areas at the site nor within a mile of the site.

You may wish to check the Natural Heritage Program database website at www.ncsparks.net/nhp/search.html for a listing of rare plants and animals and significant natural communities in the county and on the topographic quad map. Please do not hesitate to contact me at 919-715-8687 if you have questions or need further information.

Sincerely,

Harry E. LeGrand, Jr., Zoologist
Natural Heritage Program

HEL/hel

1615 Mail Service Center, Raleigh, North Carolina 27699-1615
Phone: 919-733-4181 \ FAX: 919-715-3085 \ Internet: www.enr.state.nc.us/ENR/

**BARNHILL
CONTRACTING
COMPANY**

1134 Shaw Mill Road
P.O. Box 35376
Fayetteville, North Carolina 28303-5376
910-488-1319 Fax: 910-488-5673

www.barnhillcontracting.com

March 14, 2002

North Carolina – DENR
Division of Waste Management
Mr. Jim Barber
225 Green Street, Suite 601
Fayetteville, NC 28301

Ref: Barnhill/McArtan Mine LCID Landfill Permit

Dear Mr. Barber:

This letter is in partial answer to your letter dated January 11, 2002 regarding the results of your preliminary review of our LCID permit application. The following notation is in answer to point #7. on your letter. It read as follows: "Address how fires or other emergencies will be handled at the proposed facility. Will on-site equipment be utilized along with soils from the existing mine area and which local fire department would respond to a fire at the proposed facility"

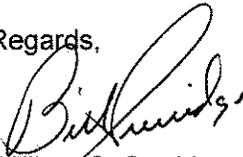
1. Normally there would not be any equipment left on-site. A bulldozer would be on site from time to time to redistribute and level construction debris. It would be there as an exception and not the rule and therefore could not be counted upon to be used to construct firebreaks etc.
2. The site is located in South Harnett County and comes under the jurisdiction of the Bunn-level Volunteer Fire Department located on Hwy 401 south in Bunnlevel, which is approximately 3.5 miles from the site.

Fire Chief – Donald Byrd – (910) 893-5966
Bunnlevel Fire Department – (910) 893-9111

I trust that point #7 is answered satisfactorily. Should you have any additional questions, please do not hesitate to contact me at (910) 488-1319.

Points #1 thru 6 will be addressed by Crawford Design Co. – Mr. Scott Beasley, P.E.

Regards,


William G. Surridge
Office Manager

Copy: File
Crawford Design Co.
914 Hay Street
Fayetteville, NC 28305

RECEIVED
MAR 18 2002
DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

RECEIVED
MAR 18 2002
DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE



RECEIVED

MAR 19 2002

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

March 19, 2002

Mr. Jim Barber
NCDENR – Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

Re: McArtan Mine LCID Landfill Permit Application

Dear Mr. Barber,

In response to your letter dated January 11, 2002, and on behalf of Barnhill Contracting Company, owner of above-referenced proposed landfill site, we offer the following comments to address item numbers 1 through 6 (item 7 will be addressed separately by the owner):

Item No. 1: A copy of a portion of a USGS topo map is included with this letter. Note, however, that according to the Harnett County Department of Public Utilities, the area is served with public water.

Item No. 2: Two (2) feet of soil fill is continually being added ahead of the landfill material, to meet or exceed the four-foot separation to seasonal high water requirement. The entire area isn't being filled in at one time to minimize the financial impact to the owner. See attached pictures for reference.

Item No. 3: The site plan has been revised per discussions with Mr. Barber. Changes include the proposed addition of adequate soil fill material to the ditch area to meet or exceed the four-foot separation to seasonal high water requirement. See revised plan.

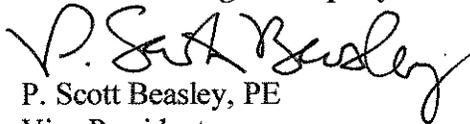
Item No. 4: The pipe has been removed. See revised plan.

Item No. 5: Two 5-year phases have been identified on the revised plan. Cross-sections were revised to reflect the new plan.

Item No. 6: The owner will install two methane monitoring wells north of the disposal area along the SR 2027 right-of-way.

If you have any questions or require additional information, please do not hesitate to call or e-mail (scottbeasley@fayetteville.net).

Sincerely,
Crawford Design Company


P. Scott Beasley, PE
Vice President

Enclosures: Pictures, Five (5) copies each of  map and revised landfill plan





Photo 1: shows the soil shelf that is being pushed out in front of the waste area to achieve the 4' separation to seasonal high groundwater.



Photo 2: shows a wider view of the soil shelf that is being pushed out in front of the waste area to achieve the 4' separation to seasonal high groundwater.

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

MAR 19 2002

RECEIVED

North Carolina
Department of Environment and Natural Resources

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Dexter R. Matthews, Director



January 11, 2002

Barnhill Contracting Company, Inc.
Mr. Bill SurrIDGE
P.O. Box 35376
Fayetteville, North Carolina 28303-5376

Ref: Barnhill/McArtan Mine Land Clearing & Inert Debris Landfill Permit Application dated September 2001 and received 27 September 2001.

Mr. SurrIDGE:

The Solid Waste Section has conducted a preliminary review of the Land Clearing & Inert Debris(LCID) Landfill Permit Application, submitted by Crawford Design Company on your behalf. In accordance with the North Carolina Solid Waste Management Rules, the following items and comments must be addressed to continue the review process. Please address the following:

1. Provide a copy of a map, aerial photograph, or topographical map showing the area within one-quarter mile of the site boundaries that addresses .0565(2)(a) & (b). If updated aerials for this part of Harnett County do not exist, then old photos or topo maps can be utilized with area houses/wells/structures placed on them from a field recon; PUBLIC/COUNTY WATER LIVES IN AREA.
2. The northeast corner of the mine site is currently being filled under the approval granted by the 2 acre LCID notification. Base on the information supplied by S&ME concerning groundwater information at the site, was soil fill placed in the area of the notification or were existing ground elevations high enough in this area the meet the four foot separation to seasonal high groundwater.
3. Based on the information in the S&ME groundwater investigation and a site visit by Solid Waste Section(SWS) personnel on 13 November 2001, it appears that the ditch bisecting the site is conveying surface water and groundwater(at least perched groundwater). In accordance with .0564(9)(a) waste shall not be placed within 50 feet of waters of the state. Site operations will need to be revised or the ditch filled (unless this feature is or has been identified as a wetland feature). Also, the ditch placed along the south perimeter of the fill area shall not have waste placed in it unless a four foot separation to seasonal high groundwater can be maintained.

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-733-4996 \ FAX: 919-715-3605 \ Internet: www.enr.state.nc.us

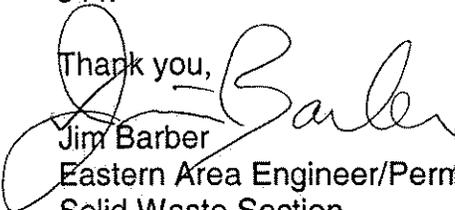
Mr. Surridge
Page 2
January 11, 2002

- ✓ 4. If surface water is to be "piped" from the north buffer area to the ditch, then waste material shall not be placed over the pipe. The site would be better served if the buffer area to the north was filled with soil or inert debris and waste placed up to the head of the ditch. Once both areas on each side of the ditch have been filled, then the area between the fill areas and the head of the ditch could be filled and surface water directed into the ditch.
- ✓ 5. .0565 (3)(o) is required for each operational area. If the proposed operating life of the site is estimated to be ten years (based on the 43,000 cubic yard volume estimate), then two five (5) year phases will be required and identified on the drawings and cross-sections. Any operational plan changes associated with this revision shall be provided in the text or notes on the site drawings.
- ✓ 6. Do to the proximity of the mine site to area homes and structures (across S.R. 2027), it may be necessary to install methane monitoring wells along the right-of-way line to the north of the disposal area for the detection of methane gas in accordance with .0566(13)(b).
- ✓ 7. Address how fires or other emergencies will be handled at the proposed facility. Will on-site equipment be utilized along with soils from the existing mine area and which local fire department would respond to a fire at the proposed facility.

✓ It should be noted that sites shall be secured by gates or chains when the facility does not have a attendant on duty consistent with .0566(8). On the afternoon visit of 13 November 2001, the entrance from S.R. 2027 was open and no attendant was present.

The comments and items requested are intended to expedite the review of the application. The Solid Waste Section reserves the right to request any additional information during and following the technical review process. If you have any questions or require any assistance, please do not hesitate to contact me at (910) 486-1541 or (919) 733-0692 Ext: 344.

Thank you,


Jim Barber
Eastern Area Engineer/Perr
Solid Waste Section

copy: Jim Coffey N
Robert Hearn
Crawford Design Co.
914 Hay Street
Fayetteville, N.C. 28305
Attn: Scott Beasley, P.E.

Post-it® Fax Note	7671	Date	1/14	# of pages	2
To	SCOTT BEASLEY		From	JIM BARBER	
Co./Dept.			Co.		
Phone #			Phone #		
Fax #			Fax #		

North Carolina
Department of Environment and Natural Resources

Michael F. Easley, Governor
William G. Ross Jr., Secretary

Charles H. Gardner, P.G., P.E.
Director and State Geologist



Division of Land Resources

September 10, 2001

Kermit L. Moser, Vice President
P O Box 35376
Fayetteville, NC 23035-376

Re: Approval of Soil Erosion and
Sediment Control Plan
McArtan Mine - LCID Landfill
Harnett County, North Carolina

Dear Kermit L. Moser, Vice President:

The review of the above-referenced erosion control plan has been completed. The plan has been found to be acceptable subject to the following stipulations:

1. Enclosed is a Certificate of Plan Approval which must be displayed at the job site. Title 15A, Section 4B.0127(c) of the North Carolina Administrative Code requires that no person may initiate a land-disturbing activity before notifying this agency of the date the land-disturbing activity will begin. Failure to provide notification will result in a violation of this plan approval.
2. In order to ensure the early coordination and implementation of the erosion control plan for this project, it is requested that a preconstruction conference be held. As a minimum, representatives of the owner, engineer, contractor, and this office should attend, subject to the availability of staff. Please notify Connie Wylie of this office as to when this conference is scheduled. It is also requested that you notify this office of the proposed starting date for this project.
3. Title 15, Section 4B.0017 (A) of the North Carolina Administrative Code requires that a copy of the approved plan be on file at the job site and that inspections of the project be made by this office to ensure compliance with the approved plan.
4. Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility/Ownership Form which you provided. You are required to file an amended form if there is any change in the information included on the form.

Land Quality Section (910) 486-1541 Fax (910) 486-0707
225 Green Street, Suite 714/ Systel Building, Fayetteville, North Carolina 28301-5043

This approval is subject to the satisfactory performance of the erosion control measures under field conditions. Should it be determined that the requirements of the Sedimentation Pollution Control Act of 1973 (GS 113A, 51-66) are not being met, revisions to the plan and its implementation will be required.

This permit allows for a land disturbance, as called for on the application plan, not to exceed 11.9 acres and/or the limits of the submitted plans. Exceeding these limits will be a violation of this permit and would require a revised plan and additional application fee. Amendments to the plan should be submitted to this office under the same procedures as followed for the original plan. This plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, as is required by Title 15A NCAC 4B .0029.

We look forward to working with you on this project.

Sincerely,



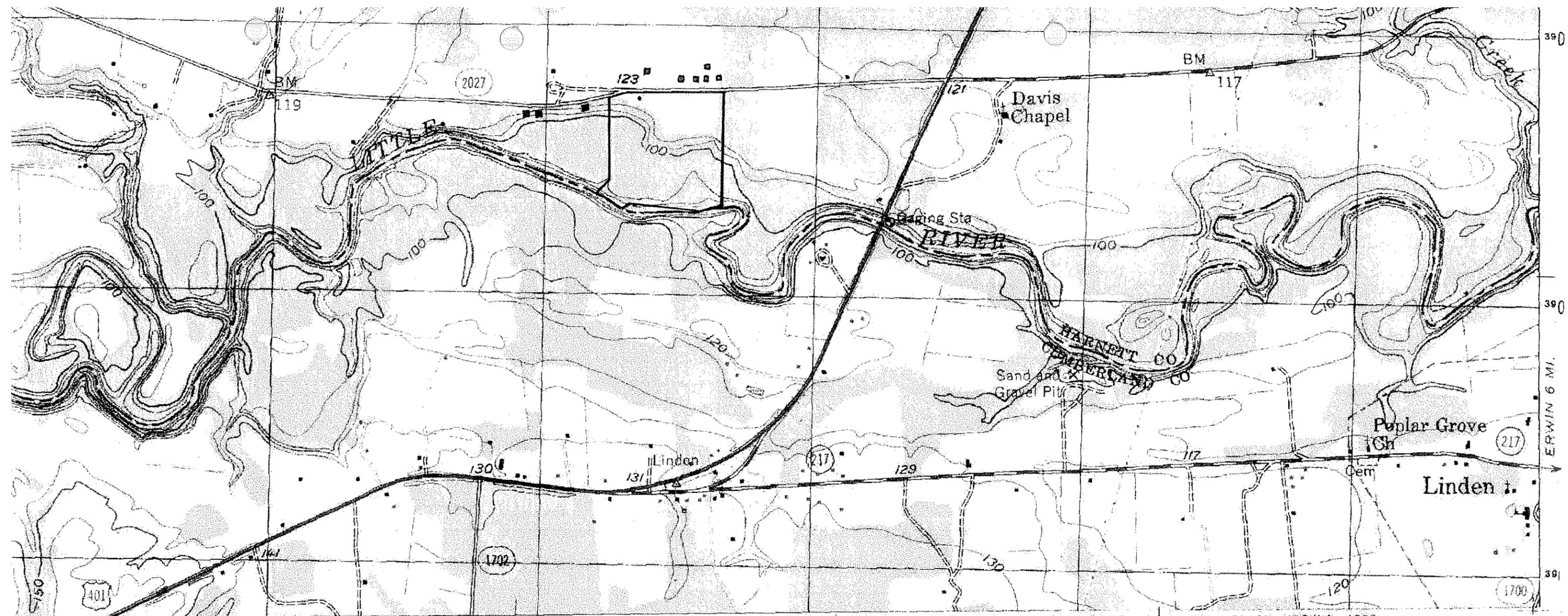
Gerald Lee
Assistant Regional Engineer
Land Quality Section

GL/fcp

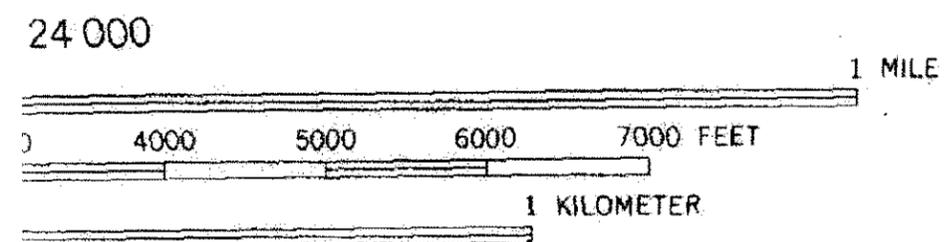
Enclosure

cc: Crawford Design Company
Linwood McDonald, Building Inspector
LQ Section Regional File
Ricky Revels, Division of Water Quality

Project Name: McArtan Mine - LCID Landfill
Project Number: Harne-2002-005
Submitted By: Crawford Design Company
Date Received by LQ: 09/04/2001
River Basin: Cape Fear

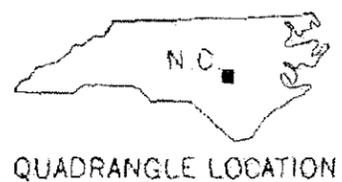


OMB) 11 NE FAYETTEVILLE 15 MI.



VERTICAL DATUM OF 1929

FINAL MAP ACCURACY STANDARDS SURVEY, RESTON, VIRGINIA 22092



QUADRANGLE LOCATION

RECEIVED

MAR 19 2002

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

ROAD CLASSIFICATION

- Heavy-duty
- Light-duty
- Medium-duty
- Unimproved dirt
- U. S. Route
- State Route

BUNNLEVEL, N. C.
N3515—W7845/7.5

1956

PHOTOGRAPHED 1964

North Carolina
Department of Environment and Natural Resources

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary
Dexter R. Matthews, Interim Director

August 29, 2001



RECEIVED

AUG 31 2001

DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

Mr. Kermit L. Moser, Vice-President
Barnhill Contracting Company
P.O. Box 35376
Fayetteville, North Carolina 28303

Ref: McArtan Mine LCID Landfill Notification located in Bunnlevel, Harnett County as described by the deed recorded in BOOK: 762 PAGE: 758.

Dear Mr. Moser:

The Solid Waste Section(SWS) has received the Land Clearing and Inert Debris landfill notification signed by you on 20 July 2001, recorded by Harnett County on 1 August 2001 and received by the SWS on 14 August 2001. Disposal activities must remain under 2 acres, to operate under the provisions of this notification. An individual permit from the Section is not required for these disposal activities, and the following applies:

- (a). The owner of the land where the landfill is located must notify the Division on a prescribed form, duly signed, notarized, and recorded as per Sub-item (2)(b) of this Rule. The operator of the landfill, if different from the land owner, shall also sign the notification form.
- (b). The owner must file the prescribed notification form for recordation in the Register of Deeds' Office. The Register of Deeds shall index the notification in the grantor index under the name of the owner of the land in the county or counties in which the land is located. A copy of the recorded notification, affixed with the Register's seal and the date, book and page number of recording shall be sent to the Division of Waste Management.
- (c). Since the site is an existing permitted mine the following items should be addressed:
 1. Contact Ms. Connie Wylie with Land Quality at 910-486-1541 for amendments to the reclamation plan;

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone: 919-733-0692 \ FAX: 919-733-4810 \ Internet: www.enr.state.nc.us/

Mr. Moser
Page 2
August 29, 2001

2. Identify the site property lines with flagging, stakes or paint indicating lines on trees that represent the property boundary for visual verification;
3. Place stakes or posts at the 100 foot buffer line for the limits of LCID waste disposal from property lines, buildings and wells(on or off-site). Offset stakes or posts can be used outside the limits of the mine, so sighting from one marker to another can be done to insure that the 100 foot buffer to the property lines, buildings and wells, is not encroached upon;
4. The void area between the 100 foot buffer and the limits of the mining excavation may be filled with inert materials consisting of soil(NOT INCLUDING ROOT MAT), rock, clean(non-painted) concrete/brick/block;
5. LCID MATERIAL SHALL BE PLACED ABOVE THE SEASONAL HIGH GROUNDWATER TABLE. IT IS RECOMMENDED THAT AT LEAST ONE FOOT BE ADDED TO THE SEASONAL HIGH GROUNDWATER TABLE TO TAKE INTO ACCOUNT FUTURE SEASONAL FLUCTUATIONS; IF FUTURE EXPANSION OF THIS DISPOSAL SITE IS TO OCCUR(GREATER THAN 2 ACRES), THEN A FOUR FOOT SEPARATION TO THE SEASONAL HIGH WATER TABLE IS ENCOURAGED;
6. WASTE SHALL NOT BE DISPOSED OF IN WATER OR ALLOW WATER TO IMPOUND IN OR AROUND LCID WASTE. An outlet to the mine may be needed to allow storm water to leave the mined area, contact Land Quality if this is contrary to your approved mining permit;
7. IT IS THE RESPONSIBILITY OF THE OWNER/OPERATOR TO VERIFY AND HAVE DOCUMENTATION THAT THE SITE MEETS ALL APPLICABLE ZONING REGULATIONS.
8. LCID LANDFILLS CAN NOT RECEIVED WOOD ASH FOR DISPOSAL.

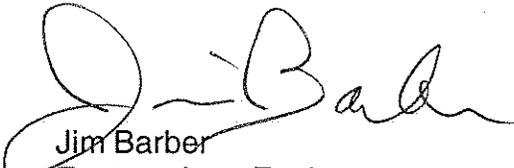
If this property is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section, in no smaller type than used in the body of the deed or instrument, a statement that the property has been used as a Land Clearing and Inert Debris landfill.

Mr. Moser
Page 3
August 29, 2001

Amendments or revisions to the Solid Waste Management Rules or violation of groundwater standards may necessitate modification of the construction and operation of this facility or closure of this facility. If information in the notification is found to be inaccurate or false, then compliance action by the Solid Waste Section and/or the local government with jurisdiction may result in closure of this facility.

If you have any questions or if we can provide any other assistance, please do not hesitate to contact the Regional Waste Management Specialist, Mr. Robert Hearn at (919) 571-4700 or Jim Barber in Fayetteville at (910) 486-1541 or in Raleigh at (919) 733-0692 Ext: 344.

Thank you,



Jim Barber
Eastern Area Engineer
Solid Waste Section

cc: Jim Coffey
✓ Mark Fry
Robert Hearn
RCO Central File: Harnett County Notification file



TRANSMITTAL

TO:
Mr. Jim Barber, Regional Engineer

FROM:
P. Scott Beasley, PE

COMPANY:
NCDENR-Solid Waste Section

DATE:
8/13/01

ADDRESS:
225 Green Street, Suite 714
Fayetteville, NC 28301

PHONE NUMBER:
486-1541

PHONE NUMBER:
(910) 221-0033

RE:
LCID Notification Form – McArtan Mine

FAX NUMBER:
(910) 221-0035

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY

COMMENTS:

Jim,

Enclosed is a recorded LCID Notification form for the McArtan Mine in Harnett County (Permit No 43-14). Barnhill Contracting Company owns the mine. We submitted an erosion control plan to Land Quality and will soon submit a complete LCID permit to you. The notification form is being submitted in hopes that Barnhill can start their landfill activity on a small area (< 2 acres) as soon as Land Quality approves the erosion control permit.

If you have any questions or require further information, please call.

Sincerely,

Scott

RECEIVED

AUG 14 2001

FAYETTEVILLE
REG. OFFICE



Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary
William L. Meyer, Director

FOR REGISTRATION REGISTER OF DEEDS
KIMBERLY S. HARGROVE
HARNETT COUNTY, NC
2001 AUG 01 08:29:50 AM
BK: 1525 PG: 50-52 FEE: \$10.00
INSTRUMENT # 2001013425

LAND CLEARING AND INERT DEBRIS LANDFILL NOTIFICATION

Pursuant to 15A NCAC 13B .0563(2)(a), the land owner(s) and operator(s) of any Land Clearing and Inert Debris Landfill under two (2) acres in size shall submit this notification form to the Division prior to constructing or operating the landfill. This form must be filed for recordation in the Register of Deeds' Office. The Register of Deeds shall index the notification under the name of the owner(s) of the land in the county or counties in which the land is located. The Register's seal and the date, book, and page number of recording must be included on this form when submitted to the Division. This notification is not valid to authorize operation of a landfill unless complete, accurate, recorded, and submitted to the Division as required by 15A NCAC 13B .0563(2)(b).

1. Facility Name: MCARTAN MINE
2. Facility location (street address): OFF SR 2027 (JOSEY WILLIAMS ROAD)
City: _____ County: HARNETT Zip: _____
3. Directions to Site: FROM FAYETTEVILLE, NORTH ON US401 TO HARNETT COUNTY LINE, LEFT ON SR 2027. ENTRANCE TO SITE IS APPROXIMATELY 1/2 MILE FROM INTERSECTION OF US401 AND SR 2027 ON LEFT (SEE ATTACHED FIGURE)
4. The land on which this landfill is located is described in the deed recorded in:
deed book: 762 page: 758 county: HARNETT E
5. Name of land owner: BARNHILL CONTRACTING COMPANY
6. Mailing address of land owner: P.O. Box 35376
City: FAYETTEVILLE State: NORTH CAROLINA Zip: 28303
7. Telephone number of land owner: (910) 488-1319
If the land is owned by more than one person, attach additional sheets with the name, address, and phone number of all additional land owners.
8. Name of operator: BARNHILL CONTRACTING COMPANY
9. Trade or business name of operator: BARNHILL CONTRACTING COMPANY
10. Mailing address of operator: P.O. Box 35376
City: FAYETTEVILLE State: NORTH CAROLINA Zip: 28303
11. Telephone number of operator: (910) 488-1319
If the landfill is operated by more than one person, attach additional sheets with the name, address, and phone number of all additional operators.
12. Projected use of land after completion of landfill operations: AREA TO BE GRADED, SEEDED & STABILIZED, AND ALLOWED TO NATURALIZE.

Certification by Corporate Land Owner:

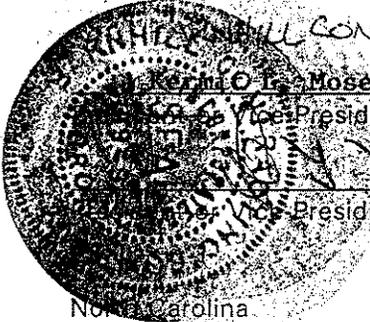
I certify that the information provided by me in this notification is true, accurate, and complete to the best of my knowledge. The facility siting and disposal operations of this Land Clearing & Inert Debris landfill will comply with the requirements of Sections .0563, .0564 and .0566 of 15A NCAC 13B, North Carolina Solid Waste Management Rules. The facility and operations of this landfill will also comply with all applicable Federal, State, and Local laws, rules, regulations, and ordinances. Where the operator is different from the corporate land owner, the corporate land owner, has knowledge of the operator's plans to dispose of solid waste on the land and is specifically granted permission for the operation of the landfill. It is understood that both the corporate land owner and operator are jointly and severally liable for improper operations and proper closure of the landfill as provided for by North Carolina General Statute 130A-309.27. It is further understand that North Carolina General Statute 130A-22 provides for administrative penalties of up to five thousand dollars (\$5,000.00) per day per each violation of the Solid Waste Management Rules. It is further understood that the Solid Waste Management Rules may be revised or amended in the future and that the facility siting and operations of this landfill will be required to comply with all such revisions or amendments.

BARN HILL CONTRACTING COMPANY
Corporation Name (Print)

7-20-01
Date

(Corporate Seal)

Attest:

 BARNHILL CONTRACTING COMPANY
Kermit L. Moser
Vice-President Name (Print)
[Signature]
Vice-President Signature

BARNHILL CONTRACTING COMPANY
George R. Yourgal
Corporate Secretary Name (Print)
[Signature]
Corporate Secretary Signature

Notary Public
Hoke County County

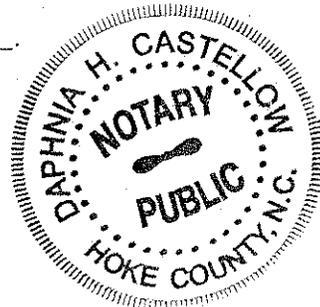
I, Daphnia H. Castellow, a Notary Public for said County and State, do hereby certify that George R. Yourgal (name of secretary) personally appeared before me this day and acknowledged that he (or she) is secretary of Barnhill Contracting Company (name of corporation), a corporation, and that by authority duly given and as the act of the corporation, the forgoing instrument was signed in its name by its Kermit L. Moser (~~president~~ or vice-president), sealed with its corporate seal, and attested by himself (or herself) as its secretary.

Witness my hand and official seal, this the 20th day of July, 2001.

(Official Seal)

Daphnia H. Castellow
Notary Public

My commission expires 3-19, 2005.





KIMBERLY S. HARGROVE
REGISTER OF DEEDS, HARNETT
COURTHOUSE
P.O. BOX 279
LILLINGTON, NC 27546

Filed For Registration: 08/01/2001 08:29:50 AM
Book: RE 1525 Page: 50-52
Document No.: 2001013425
NOTICE 3 PGS \$10.00

Recorder: TRACY B TAYLOR

State of North Carolina, County of Harnett

The foregoing certificate of DAPHNIA H. CASTELLOW Notary is certified to be correct. This 1 ST of August 2001

KIMBERLY S. HARGROVE , REGISTER OF DEEDS By: Tracy B. Taylor
Deputy/Assistant Register of Deeds

2001013425

2001013425

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Land Resources



James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Charles Gardner, P.G., P.E.
Director and State Geologist

November 7, 1994

Mr. Jean P. Berry
Barnhill Contracting Company
P.O. Box 35376
Fayetteville, North Carolina 28303

RECEIVED
NOV 21 1994

RE: Permit No. 43-14
McArtan Mine
Harnett County

LAND QUALITY SECTION
FAYETTEVILLE REGIONAL OFFICE

Dear Mr. Berry:

Your application for renewal and modification of the above referenced mining permit has been approved. The modification is to increase the disturbed area to 24.99 acres as indicated on the mine map dated May 21, 1994. A copy of the renewed and modified permit is enclosed.

The conditions in the renewed and modified permit were based primarily upon the initial application. Modifications were made as indicated by the renewal and modification requests and as required to insure compliance with The Mining Act of 1971. The new expiration date is November 9, 2004. I would like to draw your particular attention to Operating Conditions Nos. 4., 5. and 8.

The issuance of a mining permit and/or any modification to it does not supersede local zoning regulations. The responsibility of compliance with any applicable zoning regulations lies with you.

As a reminder, your permitted acreage at this site is 40.93 acres and the amount of land you are allowed to disturb is 24.99 acres.

Geological Survey Section
(919) 733-2423
FAX: (919) 733-0900

Land Quality Section
(919) 733-4574
FAX: 733-2876

Geodetic Survey Section
(919) 733-3836
FAX: 733-4407

Mr. Berry
November 7, 1994
Page 2

Please review the renewed and modified permit and advise this office at (919) 733-4574 should you have any questions concerning this matter.

Sincerely,



Tracy E. Davis, P.E.
State Mining Specialist
Land Quality Section

TED/tls

Enclosure

cc: Mr. Joe Glass, P.E.

DEPARTMENT OF ENVIRONMENT,
HEALTH AND NATURAL
RESOURCES

DIVISION OF LAND RESOURCES

LAND QUALITY SECTION

P E R M I T

for the operation of a mining activity

In accordance with the provisions of G.S. 74-46 through 68, "The Mining Act of 1971," Mining Permit Rule 15A NCAC 5 B, and other applicable laws, rules and regulations

Permission is hereby granted to:

Barnhill Contracting Company

McArtan Mine

Harnett County - Permit No. 43-14

for the operation of a

Sand Mine

which shall provide that the usefulness, productivity and scenic values of all lands and waters affected by this mining operation will receive the greatest practical degree of protection and restoration.

MINING PERMIT EXPIRATION DATE: November 7, 2004

In accordance with the application for this mining permit, which is hereby approved by the Department of Environment, Health and Natural Resources, hereinafter referred to as the Department, and in conformity with the approved Reclamation Plan attached to and incorporated as part of this permit, provisions must be made for the protection of the surrounding environment and for reclamation of the land and water affected by the permitted mining operation. This permit is expressly conditioned upon compliance with all the requirements of the approved Reclamation Plan. However, completed performance of the approved Reclamation Plan is a separable obligation, secured by the bond or other security on file with the Department, and may survive the expiration, revocation or suspension of this permit.

This permit is not transferable by the permittee with the following exception: If another operator succeeds to the interest of the permittee in the permitted mining operation, by virtue of a sale, lease, assignment or otherwise, the Department may release the permittee from the duties imposed upon him by the conditions of his permit and by the Mining Act with reference to the permitted operation, and transfer the permit to the successor operator, provided that both operators have complied with the requirements of the Mining Act and that the successor operator agrees to assume the duties of the permittee with reference to reclamation of the affected land and posts a suitable bond or other security.

In the event that the Department determines that the permittee or permittee's successor is not complying with the Reclamation Plan or other terms and conditions of this permit, or is failing to achieve the purposes and requirements of the Mining Act, the Department may give the operator written notice of its intent to modify, revoke or suspend the permit, or its intent to modify the Reclamation Plan as incorporated in the permit. The operator shall have right to a hearing at a designated time and place on any proposed modification, revocation or suspension by the Department. Alternatively and in addition to the above, the Department may institute other enforcement procedures authorized by law.

Definitions

Wherever used or referred to in this permit, unless the context clearly indicates otherwise, terms shall have the same meaning as supplied by the Mining Act, N.C.G.S. 74-49.

Modifications

January 28, 1989: This permit has been transferred in its entirety from Cumberland Paving Company to Barnhill Contracting Company.

November 7, 1994: This permit has been modified to increase the disturbed area to 24.99 acres as indicated on the mine map dated May 21, 1994.

Expiration Date

This permit shall be effective from the date of its issuance until November 7, 2004.

Conditions

This permit shall be subject to the provisions of the Mining Act, N.C.G.S. 74-46, et. seq., and to the following conditions and limitations:

OPERATING CONDITIONS:

1. A. Any wastewater processing or mine dewatering shall be in accordance with the permitting requirements and rules promulgated by the N.C. Environmental Management Commission.
- B. Any stormwater runoff from the affected areas at the site shall be in accordance with any applicable permit requirements and regulations promulgated by the Environmental Protection Agency and enforced by the N.C. Environmental Management Commission. It shall be the permittee's responsibility to contact the Water Quality Section, Division of Environmental Management, to secure any necessary stormwater permits or other approval documents.
2. A. Any mining process producing air contamination emissions shall be subject to the permitting requirements and rules promulgated by the N.C. Environmental Management Commission.
- B. During mining operations, water trucks or other means that may be necessary shall be utilized to prevent dust from leaving the permitted area.
3. A. Sufficient buffer (minimum 100 foot undisturbed) shall be maintained between any affected land and any adjoining waterway to prevent sedimentation of that waterway from erosion of the affected land and to preserve the integrity of the natural watercourse.
- B. Any mining activity affecting waters of the State, waters of the U. S., or wetlands shall be in accordance with the requirements and regulations promulgated and enforced by the N. C. Environmental Management Commission and the U.S. Army Corps of Engineers.

4. A. Adequate mechanical barriers including but not limited to diversions, earthen dikes, silt check dams, silt retarding structures, rip rap pits, or ditches shall be provided in the initial stages of any land disturbance and maintained to prevent sediment from discharging onto adjacent surface areas or into any lake or natural watercourse in proximity to the affected land.
 - B. All drainage from the affected area around the mine excavation shall be diverted internal to said excavation.
 - C. The outlet channel from the lake area shall be permanently stabilized with either rip-rap or permanent vegetation. Appropriate design calculations and construction details for the stabilization of said channel shall be provided to the Land Quality Section, Central Office within 45 days from the issuance of this permit renewal and modification.
 - D. The culvert (24 inch reinforced concrete pipe) under the access road shall be provided with a stable outlet. In addition, appropriate erosion and sediment control measures shall be provided for the access road. A plan for accomplishing these requirements, including design calculations and construction details, shall be provided to the Land Quality Section, Central Office within 45 days from the issuance of this permit renewal and modification.
5. All mining permit boundaries (40.93 acres) shall be permanently marked at the site on 100 foot intervals unless the line of sight allows for larger spacing intervals.
 6. The angle for graded slopes and fills shall be no greater than the angle which can be retained by vegetative cover or other adequate erosion control measure, structure, or device. In any event, exposed slopes or any excavated channels, the erosion of which may cause off-site damage because of siltation, shall be planted or otherwise provided with ground cover, devices or structures sufficient to restrain such erosion.
 7. The affected land shall be graded so as to prevent collection of pools of water that are, or likely to become, noxious or foul. Necessary structures such as drainage ditches or conduits shall be constructed or installed when required to prevent such conditions.
 8. A. Existing vegetation or vegetated earthen berms shall be maintained between the mine and public thoroughfares whenever practical to screen the operation from the public.

- B. The existing screening berm shall be provided with a permanent groundcover by May 1, 1995.
- C. Any new berm construction shall be provided with 2 foot horizontal to 1 foot vertical or flatter slopes.
9. Sufficient buffer (minimum of 25 foot undisturbed) shall be maintained between any excavation and any mining permit boundary to prevent caving of adjacent property.
10. Refuse Disposal
- A. No on-site disposal of refuse or other solid waste that is generated outside of the mining permit area shall be allowed within the boundaries of the mining permit area unless authorization to conduct said disposal has first been obtained from both the Division of Solid Waste Management and the Land Quality Section, Department of Environment, Health and Natural Resources. The method of disposal shall be consistent with the approved reclamation plan.
- B. Mining refuse as defined by G.S. 74-49 (14) of The Mining Act of 1971 generated on-site and directly associated with the mining activity may be disposed of in a designated refuse area. All other waste products must be disposed of in a disposal facility approved by the Division of Solid Waste Management. No petroleum products, acids, solvents or their storage containers or any other material that may be considered hazardous shall be disposed of within the permitted area.
11. An Annual Reclamation Report shall be submitted on a form supplied by the Department by February 1 of each year until reclamation is completed and approved.
12. The operator shall notify the Department in writing of the desire to delete, modify or otherwise change any part of the mining, reclamation, or erosion/sediment control plan contained in the approved application for a mining permit or any approved revision to it. Approval to implement such changes must be obtained from the Department prior to on-site implementation of the revisions.
13. The security which was posted pursuant to N.C.G.S. 74-54 in the form of a \$500,00.00 Blanket Bond is sufficient to cover the operation as indicated on the approved application. This security must remain in force for this permit to be valid. The total affected land shall not exceed the bonded acreage.

14. A. Authorized representatives of the Division of Archives and History shall be granted access to the site to determine the presence of significant archaeological resources.
- B. Pursuant to N. C. G. S. 70 Article 3, "The Unmarked Human Burial and Human Skeletal Remains Protection Act," should the operator or any person in his employ encounter human skeletal remains, immediate notification shall be provided to the county medical examiner and the chief archaeologist, North Carolina Division of Archives and History.

APPROVED RECLAMATION PLAN

The Mining Permit incorporates this Reclamation Plan, the performance of which is a condition on the continuing validity of that Mining Permit. Additionally, the Reclamation Plan is a separable obligation of the permittee, which continues beyond the terms of the Mining Permit.

The approved plan provides:

Minimum Standards As Provided By G.S. 74-53

1. The final slopes in all excavations in soil, sand, gravel and other unconsolidated materials shall be at such an angle as to minimize the possibility of slides and be consistent with the future use of the land.
2. Provisions for safety to persons and to adjoining property must be provided in all excavations in rock.
3. All overburden and spoil shall be left in a configuration which is in accordance with accepted conservation practices and which is suitable for the proposed subsequent use of the land.
4. No small pools of water shall be allowed to collect or remain on the mined area that are, likely to become noxious, odious or foul.
5. The revegetation plan shall conform to accepted and recommended agronomic and reforestation practices as established by the North Carolina Agricultural Experiment Station and the North Carolina Forest Service.
6. Permittee shall conduct reclamation activities pursuant to the Reclamation Plan herein incorporated. These activities shall be conducted according to the time schedule included in the plan, which shall to the extent feasible provide reclamation simultaneous with mining operations and in any event, provide reclamation at the earliest practicable time after completion or termination of mining on any segment of the permit area and shall be completed within two years after completion or termination of mining.

RECLAMATION CONDITIONS:

1. Provided further, and subject to the Reclamation schedule, the planned reclamation shall be to restore the mine excavation to a lake area and to grade and revegetate the adjacent disturbed areas.

2. The specifications for surface gradient restoration to a surface suitable for the planned future use are as follows:
 - A. The lake area shall be excavated to maintain a minimum water depth of four feet measured from the low water table elevation.
 - B. The side slopes to the lake excavation shall be graded to a 3 horizontal to 1 vertical or flatter above the water level and 1 1/2 horizontal to 1 vertical or flatter below the water level.
 - C. Any areas used for wastepiles, screening, stockpiling or other processing shall be leveled and smoothed.
 - D. No contaminants shall be permanently disposed of at the mine site. On-site disposal of waste shall be in accordance with Operating Condition Nos. 10.A. and B.
 - E. The affected land shall be graded to prevent the collection of noxious or foul water.

3. Revegetation Plan:

After site preparation, all disturbed land areas shall be revegetated as per the following:

Permanent Seeding Specifications

<u>Dates</u>	<u>Species</u>	<u>Rate, Lbs/Acre</u>
February 15- April 1	Kobe Lespedeza	10
	Bahiagrass	50
	Redtop	1
	Winter rye (grain)	15
April 1- July 31	Common Bermuda	50
August 1- October 25	Lespedeza (unscarified)	30
	German millet	40
October 25- February 15	Rye (grain- temporary)	120

Soil Amendments

Lime- 2000 lbs/acre or follow recommendations from a soil test.

Fertilizer- 1000 lbs/acre 8-8-8 or 10-10-10, or follow recommendations from a soil test.

Mulch- All seeded areas shall be mulched using small grain straw at a rate of 2000 lbs/acre and anchored appropriately.

In addition, the permittee shall consult with a professional wildlife biologist with the N.C. Wildlife Resources Commission to enhance post-project wildlife habitat at the site.

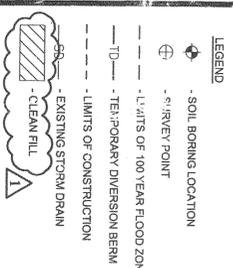
4. Reclamation Plan:

Reclamation shall be conducted simultaneously with mining to the extent feasible. In any event, reclamation shall be initiated as soon as feasible after completion or termination of mining of any mine segment under permit. Final reclamation, including revegetation, shall be completed within two years of completion or termination of mining.

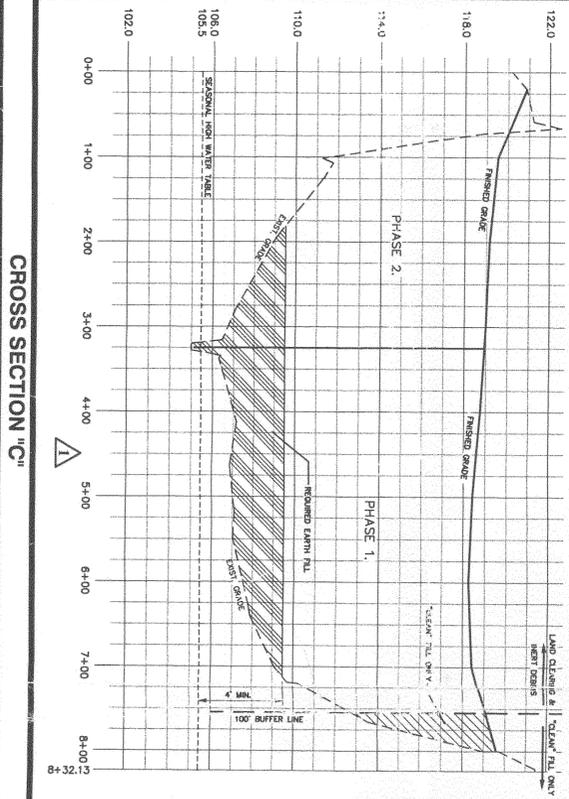
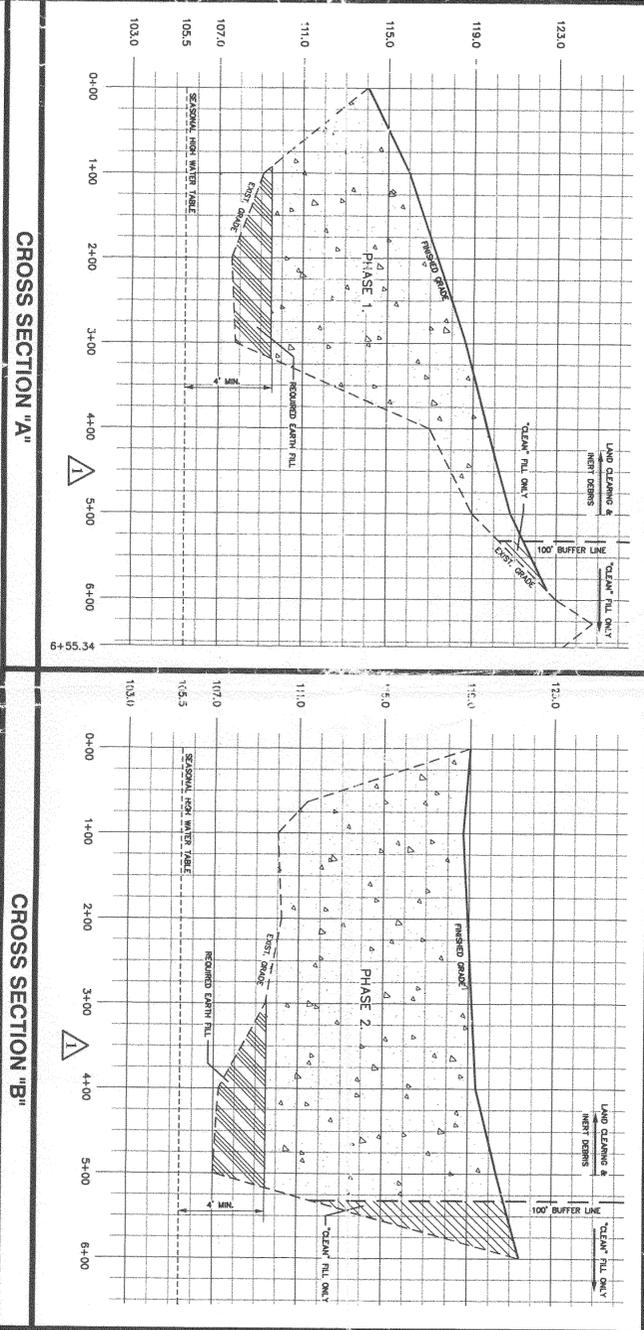
This permit, issued May 24, 1984 to Cumberland Paving Company and transferred in its entirety to Barnhill Contracting Company on January 23, 1989, is contemporaneously modified and renewed this 7th day of November, 1994 pursuant to G.S. 74-52.

By: Charles H. Gardner

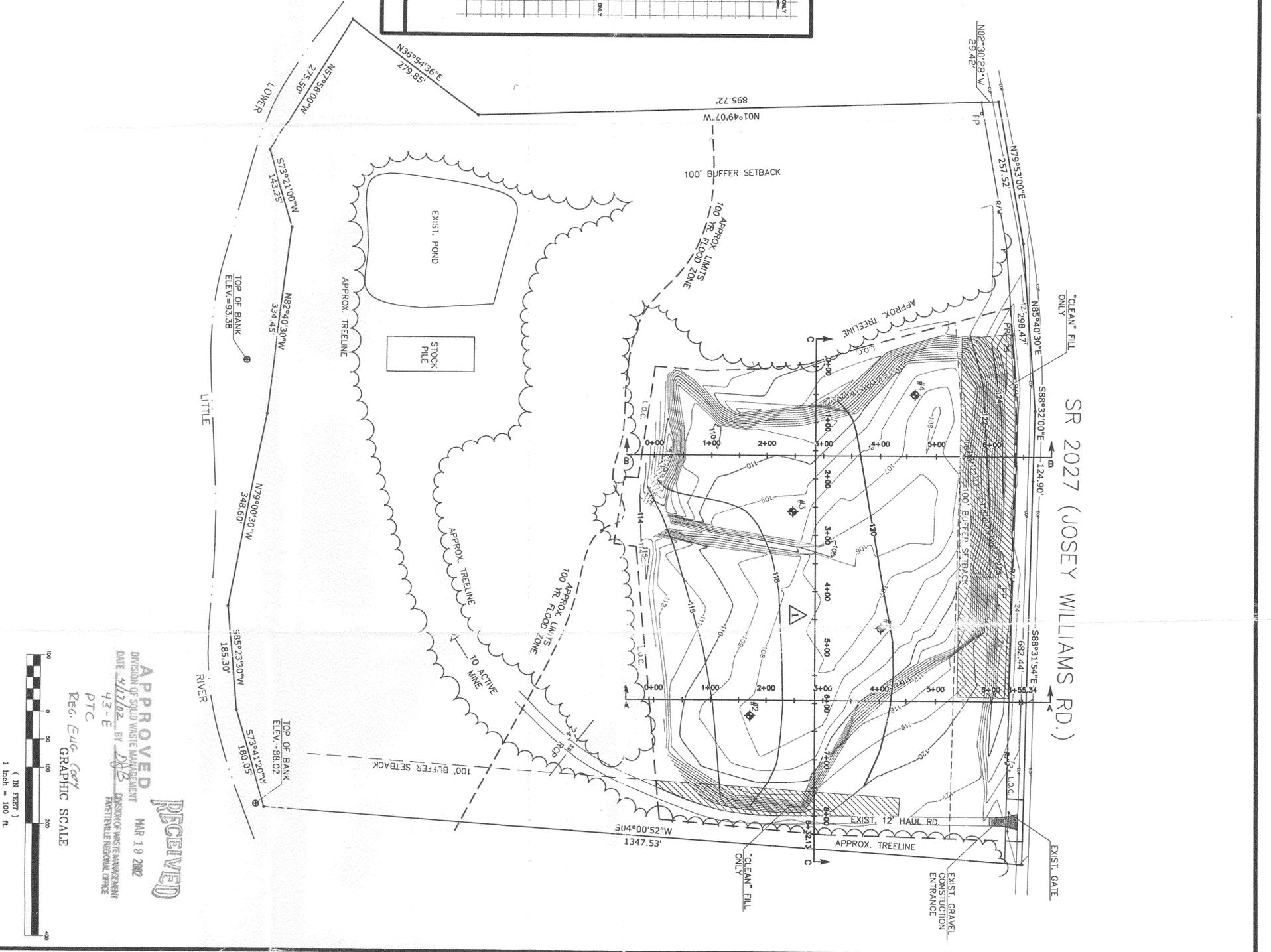
Charles H. Gardner, Director
Division of Land Resources
By Authority of the Secretary
Of the Department of Environment, Health and Natural Resources



- GENERAL NOTES**
- PROJECT LIMITS ARE THE LIMITS OF CONSTRUCTION LINES SHOWN.
 - LOCATIONS OF EXISTING UTILITY LINES HAVE BEEN TAKEN FROM UTILITY RECORDS SUPPLEMENTED BY FIELD INSPECTIONS AND SHOULD INDICATE IN GENERAL THE TYPE OF UNDERGROUND FACILITIES NOW IN SERVICE. LOCATIONS SHOWN ARE NOT GUARANTEED. DEVELOPERS OR CONTRACTORS LOCATING SUBSURFACE INVESTIGATIONS BUT SHOULD ALSO ALLOW FOR CONDUITS AND UNRECORDED LINES OR LINES BEING IN DIFFERENT LOCATIONS THAN INDICATED ON THIS PLAN. PRIOR TO ANY CONSTRUCTION ACTIVITY OR EXCAVATION ON THE SITE, THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY AND/OR FIELD-LOCATE THEIR RESPECTIVE UTILITIES. ALL DAMAGE INCURRED TO EXISTING UTILITY LINES DURING CONSTRUCTION SHALL BE REPAIRED AT THE GENERAL CONTRACTOR'S EXPENSE.
 - A FORMAL EROSION AND SEDIMENTATION CONTROL PERMIT WAS REQUIRED FOR THIS SITE UNDER THE REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (NCEM). THE GENERAL CONTRACTOR IS REQUIRED TO AND SHALL FOLLOW THE REGULATIONS OF THE NCEM TO MINIMIZE EROSION AND THE TRAIL SPURTS OF SITE DURING CONSTRUCTION.
 - ONLY CLEAN FILL MATERIAL IS ALLOWED IN DESIGNATED AREAS BETWEEN THE 100' BUFFER LINE AND ANY PROPERTY LINE. CLEAN FILL CONSISTS OF UNCONTAMINATED SOILS, UNPAINTED BRICK & BLOCK, UNPAINTED CURB & GUTTER, AND OTHER SIMILAR MATERIALS, AS ALLOWED BY THE NCEM DIVISION OF WASTE MANAGEMENT.
- Thomas Gochlin Land Surveying
 1745 Cypress Lake Road
 1745 Cypress Lake Road
 Phone 910-23-7766



Phase 2
Phase 1



APPROVED
 DIVISION OF SOLID WASTE MANAGEMENT
 DATE 4/12/02 BY [Signature]
 43-E
 DTC
 Reg. Eng. GAT
 GRAPHIC SCALE
 1 inch = 100 ft

RECEIVED
 MAR 19 2002
 DIVISION OF WASTE MANAGEMENT
 FANTHILL REGIONAL OFFICE

Crawford Design Company
 LANDSCAPE ARCHITECTS
 ENGINEERS
 PLANNERS

914 Bay Street + Fayetteville, NC 28305
 Voice 910-231-0033 • Fax 910-231-0035
 E-mail ctw@cdfdesign.com

SEAL

REVISIONS
 2/13/02 - RGM - General revision based on NCEM review comments

PROJECT NAME
 MCARTAN MINE CONVERSION TO LCID LANDFILL

OWNER
 BARNHILL CONTRACTING COMPANY

PROJECT DETAILS
 PROJECT MANAGER: PSB
 DRAWN BY: RGM
 APPROVED BY: PSB
 PROJECT NUMBER: 01022

LCID LANDFILL MAP

SCALE
 HORIZ: 1" = 100'
 VERT: 1" = 4'

DATE
 SEPTEMBER 2001

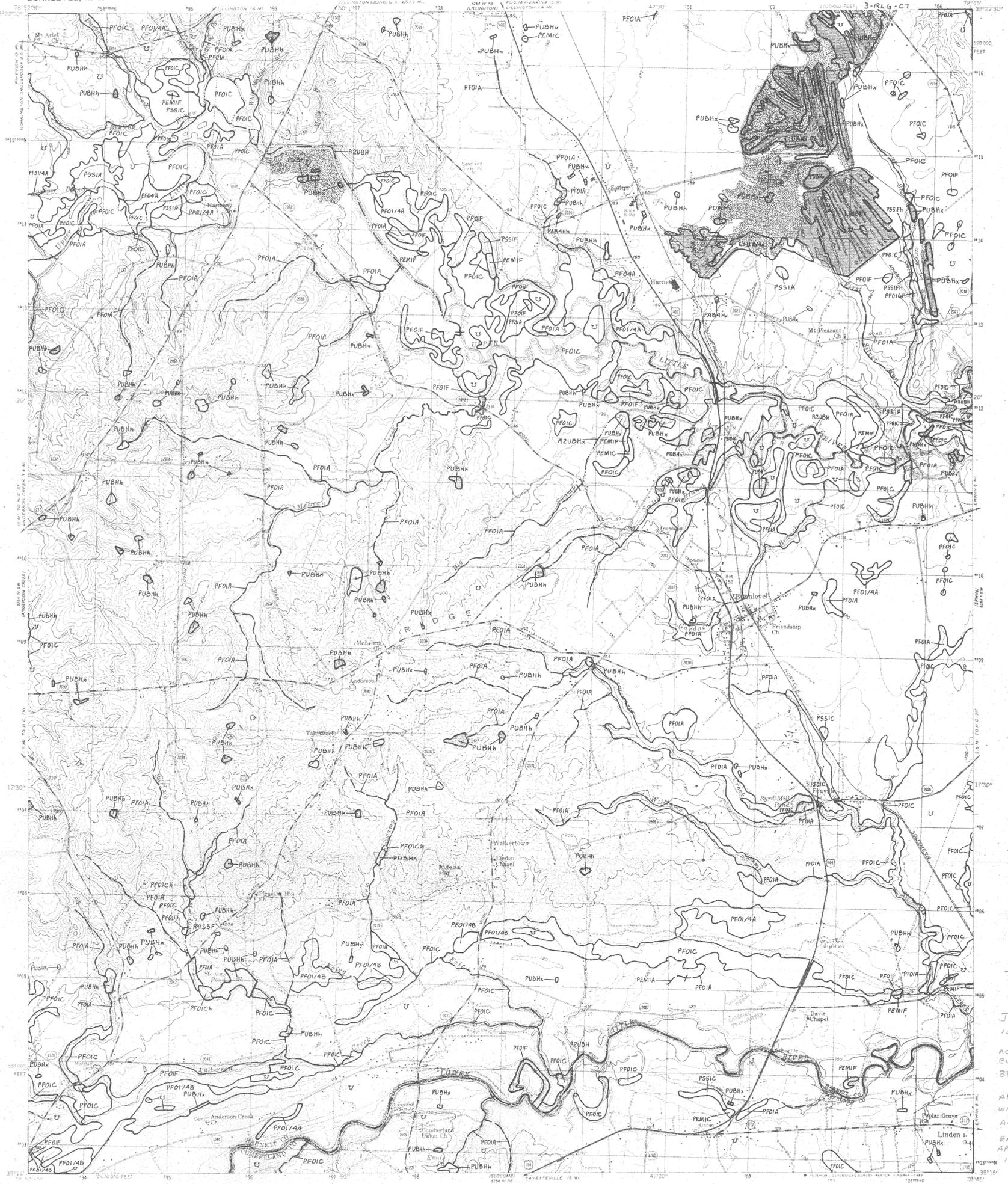
SHEET NUMBER
 C-1

OF 1

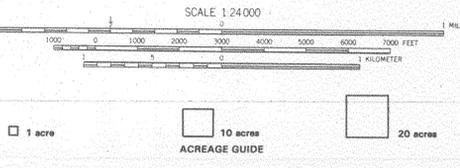
NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

BUNNLEVEL, N. C.

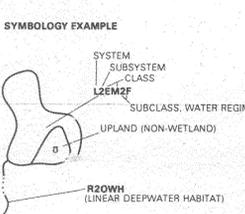


TUES 13 NOVEMBER 2001
 JOSEY WILLIAMS RD
 15 S.R. 2027
 ACROSS FROM McARTHUR ENTRANCE IS ALLEYS BROWN LANE (PRIVATE)
 APPROX. 6 TO 10 HOMES WITHIN 100'S OF SITE ACROSS S.R. 2027
 ENTRANCE TO McARTHUR APPROX. 1.50 MILES FROM INTERSECTION OF S.R. 2027 & HWY 401.
 1.30 MILES TO OLD HOME ON NORTH SIDE OF S.R. 2027 FROM McARTHUR ENTRANCE



SPECIAL NOTE
 This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deepwater Habitats of the United States (FWS/OBS-78/31) December 1978. The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (*).
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.
- Subsystems, Classes, Subclasses, and Water Regimes in *Italics* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as RASB, RASBW, or RASBJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB), or Flat (FL). Subclasses remain the same in both versions.

Other information including a narrative report concerning the wetland resources depicted on this document may be available. For information, contact:

Regional Director (ARDE) Region IV
 U.S. Fish and Wildlife Service
 1875 Century Blvd.
 Room 240
 Atlanta, GA 30345

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
 Prepared by National Wetlands Inventory

Base map provided by the United States Geological Survey.
 1995

SYSTEM	M - MARINE										E - ESTUARINE										SYSTEM									
SUBSYSTEM	1 - SUBTIDAL					2 - INTERTIDAL					1 - SUBTIDAL					2 - INTERTIDAL					SUBSYSTEM									
CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	AB - AQUATIC BED	RS - ROCKY SHORE	RE - REEF	US - UNCONSOLIDATED SHORE	RO - ROCKY SHORE	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	AB - AQUATIC BED	RS - ROCKY SHORE	RE - REEF	US - UNCONSOLIDATED SHORE	RO - ROCKY SHORE	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED	CLASS			
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged	1 Coral 2 Sponges 3 Worms	Unknown Bottom	1 Algal 2 Rooted Vascular 3 Moss 4 Organic 5 Unknown Submerged	1 Bedrock 2 Rubble	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	2 Mollusc 3 Worm 4 Chytrid	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Perennial 2 Nonperennial	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Mixed 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Mixed 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Mixed 6 Deciduous 7 Evergreen	CLASS

*STREAMBED IS LIMITED TO TIDAL AND INTERMITTENT SUBSYSTEMS, AND COMPRISES THE ONLY CLASS IN THE INTERMITTENT SUBSYSTEM.
 *EMERGENT IS LIMITED TO TIDAL AND LOWER PERENNIAL SUBSYSTEMS. THE REMAINING CLASSES ARE FOUND IN ALL SUBSYSTEMS.

SYSTEM	P - PALUSTRINE										SYSTEM																			
SUBSYSTEM	1 - TIDAL					2 - LOWER PERENNIAL					3 - UPPER PERENNIAL					4 - INTERMITTENT					5 - UNKNOWN PERENNIAL					SUBSYSTEM				
CLASS	RB - ROCK BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	UB - UNCONSOLIDATED BOTTOM	AB - AQUATIC BED	RV - REEF	OW - OPEN WATER/UNKNOWN BOTTOM	EM - EMERGENT	SS - SCRUB SHRUB	FO - FORESTED	CLASS	
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged	1 Coral 2 Sponges 3 Worms	Unknown Bottom	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged	1 Bedrock 2 Rubble	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	2 Mollusc 3 Worm 4 Chytrid	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submerged 6 Unknown Surface	1 Perennial 2 Nonperennial	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Mixed 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Mixed 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Mixed 6 Deciduous 7 Evergreen	CLASS

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The format modifier may also be applied to the ecological system.

WATER REGIME		WATER CHEMISTRY		SOIL		SPECIAL MODIFIERS	
Non-Tidal	Tidal	Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water			
A - Temporally Flooded B - Seasonally Flooded C - Seldomly Flooded D - Frequently Flooded E - Regularly Flooded F - Semi-permanently Flooded G - Intermittently Flooded H - Permanently Flooded I - Unknown	J - Artificially Flooded K - Seasonally Flooded L - Intermittently Flooded M - Irregularly Flooded N - Frequently Flooded O - Regularly Flooded P - Semi-permanently Flooded Q - Intermittently Flooded R - Permanently Flooded S - Unknown	1 - Hypersaline 2 - Euryhaline 3 - Mesohaline (Brackish) 4 - Polyhaline 5 - Mesohaline 6 - Fresh	1 - Hypersaline 2 - Euryhaline 3 - Mesohaline (Brackish) 4 - Polyhaline 5 - Mesohaline 6 - Fresh	1 - Organic 2 - Mineral	1 - Organic 2 - Mineral	1 - Beaver Dammed/Outflow 2 - Farmed 3 - Escaped	1 - Dead/Impounded 2 - Artificially Submerged 3 - Escaped

