

John A.K. Tucker, P.E.
 Consulting Engineer

Letter of Transmittal

To:

NC Div of Waste Mgmt
Solid Waste Section

Date:	04/05/2010
Project:	Currin 32D-LCID
Attention:	Brian Wootton

We are sending the following:

<input checked="" type="checkbox"/>	Prints	<input checked="" type="checkbox"/>	Photocopies	<input type="checkbox"/>	By Mail	<input type="checkbox"/>	By UPS/FEDEX
<input type="checkbox"/>	Originals	<input type="checkbox"/>	Shop Dwgs	<input checked="" type="checkbox"/>	By Hand	<input type="checkbox"/>	By Pickup
<input type="checkbox"/>	Disk	<input type="checkbox"/>	Other	<input type="checkbox"/>	By Email	<input type="checkbox"/>	By Fax

For your:

<input checked="" type="checkbox"/>	Approval	<input checked="" type="checkbox"/>	As Requested	<input type="checkbox"/>	For Your Action
<input type="checkbox"/>	Your Use	<input type="checkbox"/>	For Review and Comment	<input type="checkbox"/>	Other (See Remarks)

Quantity	Description
2	Compliance History Review
2	Updated Operational Plan
2	Cross Sections and Approved Const Drawings
2	Zoning Letters from Durham County Zoning
1	Check in the amount of \$500
1	CD with above listed data saved as pdf

Remarks:

Copy: _____

Signed: _____
 John A.K. Tucker, P.E.

**SOLID WASTE SECTION PERMIT APPLICATION
COMPLIANCE REVIEW REQUEST
AND PERMIT FEE INVOICE REQUEST**

Submit to the Field Operations Branch Head (or Compliance Officer) and to Jeff Skabo

Review Requested by:	Currin Bros.	Date Requested: 4-5-10	
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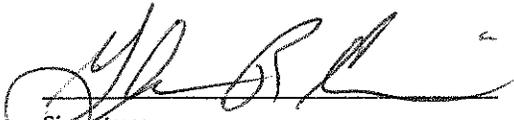
Name of facility and permit number	_____ Currin Bros LCID No. 1 Permit No. 32D LCID
Applicant (Owner) Name	_____ Currin Bros. Inc.
Description of Permit Request	_____ Permit Renewal
Permit Fee Action	_____ Plan Review
Date Application Received	_____ 4/5/2010
Contact Name and Title	_____ Allen Currin
Company	_____ Currin Bros. Inc.
911 Address	_____ 1610 Wolfpack Lane Raleigh, NC
Mailing Address	_____ PO Box 297 547
City/State/Zip	_____ Fuquay Varina, NC
Parent Company	_____ Currin Bros. Inc.
Known Subsidiaries	_____ NA
Other known names business has operated under	_____ NA
Known Counties of Operation	_____ NA
Does the applicant have a past or current solid waste permit? If Yes:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Facility Type: <u>LCID</u> Permit #: <u>32I-LCID</u>
Does the applicant have other DENR permits? If Yes:	Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Division: _____ Facility Type: _____ Permit #: _____
Did the permit applicant submit Financial Assurance cost estimates?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/a <input type="checkbox"/> Not Needed <input checked="" type="checkbox"/>
Are the cost estimates sufficient?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/a <input checked="" type="checkbox"/>
Other notes	_____

Applicant Signature Page

Name of facility Currin Bros LCID Landfill No. 1

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

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



Signature

ALAN B. CURRIN

Print Name

April 10, 2010

Date

Owner

Title

Currin Bros. Inc.

Business or organization name

April 10, 2010

Date



CURRIN BROS., INC.

1172420
RE

INVOICE NO.	DATE	DESCRIPTION	GROSS	DISCOUNT	NET
April 2010	4-1-10	permit Old Durham Landfill #1	500.00		500.00
VOUCHER NO. 47082			TOTALS	500.00	500.00

DETACH & RETAIN THIS PORTION FOR YOUR RECORDS

BB&T
RALEIGH, NC 27609

66-112
531

CURRIN BROS., INC.
GRADING CONTRACTORS
BOX 547
FUQUAY - VARINA, N.C. 27526

047082

CHECK NO. 047082
DATE April 1, 2010

PAY *****Five Hundred Dollars and no/100*****

TO
THE
ORDER
OF

N C D E N R

[Signature]
CURRIN BROS., INC.
C Allen Currin

500.00

⑈047082⑈ ⑆053101121⑆0005198258514⑈



CITY OF DURHAM
NORTH CAROLINA

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT

101 CITY HALL PLAZA
DURHAM, NORTH CAROLINA
27701

(919) 683-4137

CITY OF MEDICINE

November 22, 1988

Mr. Dexter Matthews

Dear Sir,

This is to verify the zoning of an 88.20 acre tract located along Coley Road more specifically shown on tax map 985 block 1 lot 9. This parcel is zoned Rural District (RD) which allows for private land fills (Stump Dump). Approximately 22 acres of this property located on the west side of Coley Road is proposed for such a use and is allowable.

If I can be of further service please contact me at 683-4137 between 8 am and 4:30 pm.

Sincerely,

A handwritten signature in black ink that reads 'KEN CORY'. The signature is written in a cursive style with a long vertical line extending downwards from the end of the name.

Kenneth Cory AICP
Principal Planner

REVISIONS	DATE	DESCRIPTION

Currim Bros. Inc. LCID Landfill No. 1
 Permit No. 32D-LCID
Facility Plan

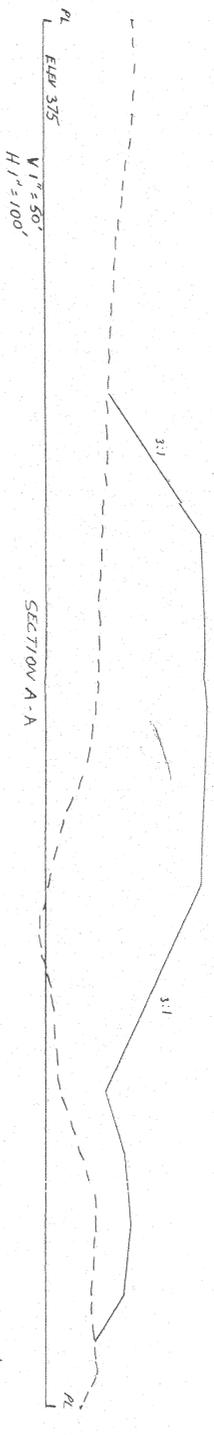
Currim Bros., Inc.
 P.O. Box 547
 Fryingpan, Virginia, NC 27228

John A. K. Tucker, P.E.
Consulting Engineer
 P.O. Box 287 Fryingpan, Virginia, North Carolina 27258
 (819) 567-0483 FAX (819) 887-3811
 Email: johnak@montclairpe.com



- GENERAL NOTES**
1. SITE IS CURRENTLY ESTABLISHED WITH VEGETATION.
 2. ORIGINAL EROSION CONTROL DEVICES REMAIN IN PLACE.
 3. SITE IS ENCLOSED WITH CHAIN-LINK FENCE AND GATES.
- PAGE INFORMATION**
1. BOUNDARY INFORMATION TAKEN FROM PREVIOUS APPROVED PLAN PREPARED BY CURRIM BROS. INC. AND TERRY STECKLAND AND FIELD VERIFICATION PROVIDED BY ANDREAS WATERS AND SUPERVISOR.
 2. AERIAL PHOTO IS JUNE 2007.

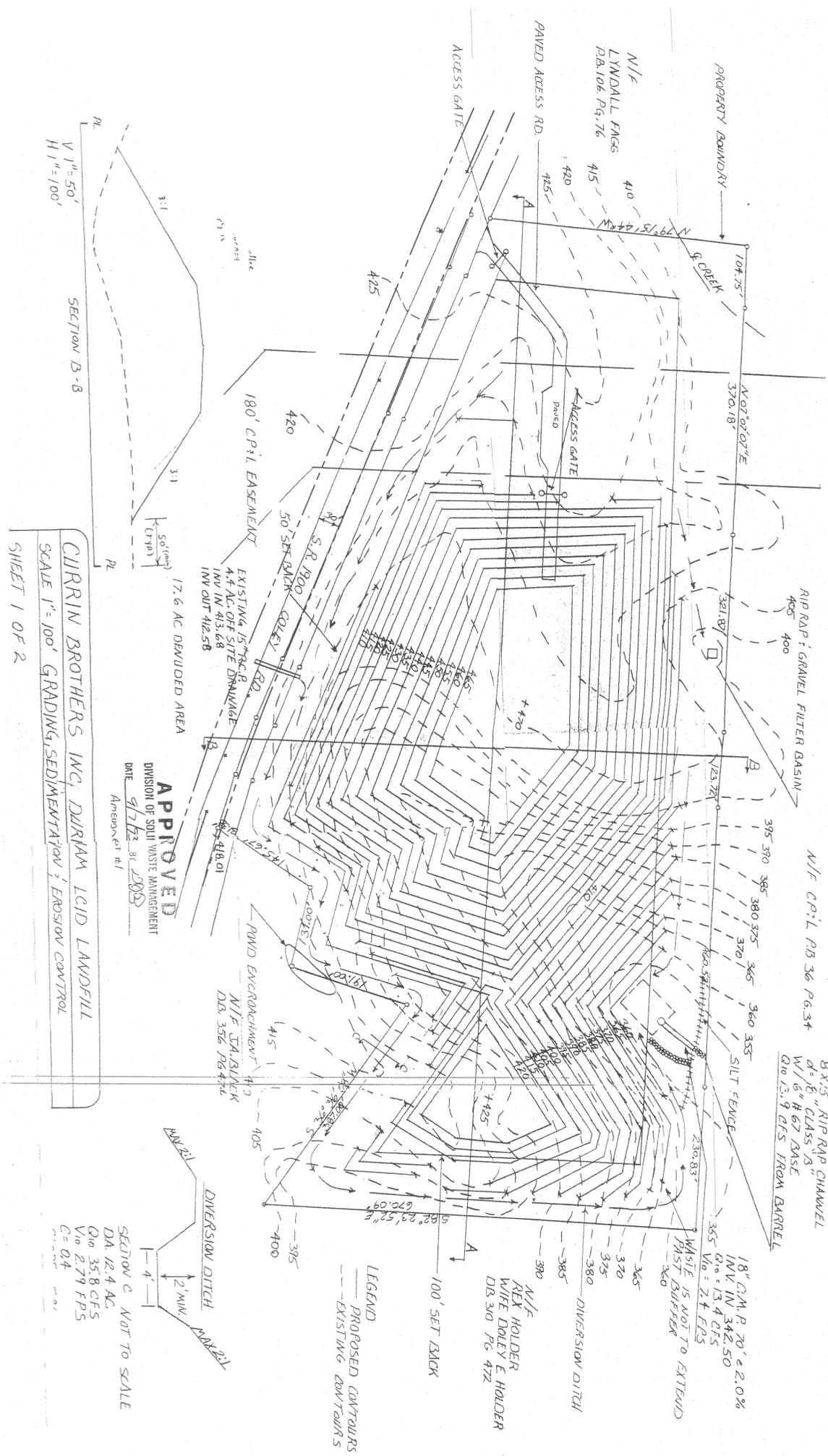
COPY



NOTE: ALL 2:1 SLOPES NEED TO BE COVERED AND SEEDED, SO AS TO BE CONSIDERED CLOSED BEFORE 11/1/98 FOR 50' BUFFER TO APPLY.

NOTE: RISER BASIN TO REMAIN UNTIL ENTIRE SITE IS STABILIZED.

N/E C/P: L. P.B. 36 P.G. 34
 8"x5" RIP RAP CHANNELED
 d=18" CLASS "B"
 W/ 6" #67 BASE
 @ 10.5% GTS FROM BARREL



APPROVED
 DIVISION OF SOIL WASTE MANAGEMENT
 DATE 9/17/02 BY 2003
 Amendment #1

CURRIN BROTHERS INC. DURHAM LCID LANDFILL
 SCALE 1" = 100' GRADING, SEDIMENTATION, EROSION CONTROL
 SHEET 1 OF 2

LEGEND
 --- PROPOSED CONTOURS
 --- EXISTING CONTOURS

SECTION C NOT TO SCALE
 DA 12.4 AC
 @ 35.8 GTS
 Vio 2.79 FPS
 C = 0.4

GENERAL NOTE

- BOUNDARY AND PROPOSED GRADES INFORMATION TAKEN FROM APPROVED DRAWINGS DATED 9/7/02
- PREPARED BY CURRIN BROS. INC. AND TERRY STRICKLAND, P.E.
- ORIGINAL EROSION CONTROL DESIGN BY OTHERS



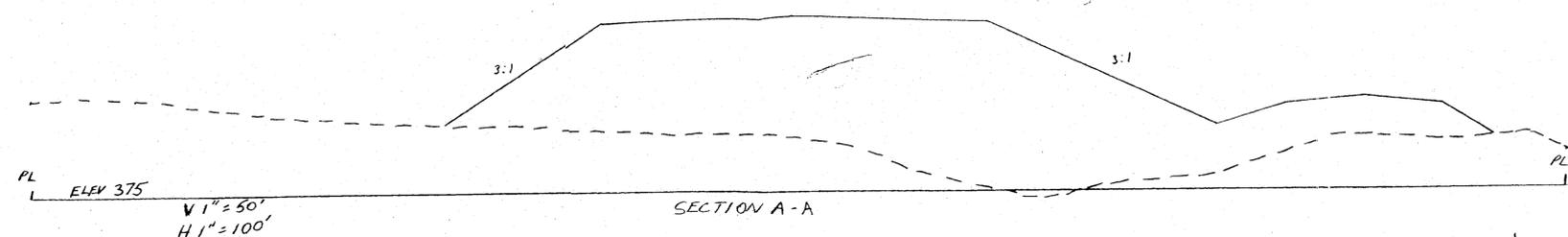
Currin Bros. Inc. LCID Landfill No. 1
 Permit No. 32D-LCID
Original Base Map

Currin Bros., Inc.
 P.O. Box 547
 Fuquay Varina, NC 27526

John A. K. Tucker, P.E.
Consulting Engineer
 P.O. Box 297 Fuquay-Varina, North Carolina 27526
 (919) 567-0483 fax (919) 567-3611
 Email: johnak@johnrtucker.com



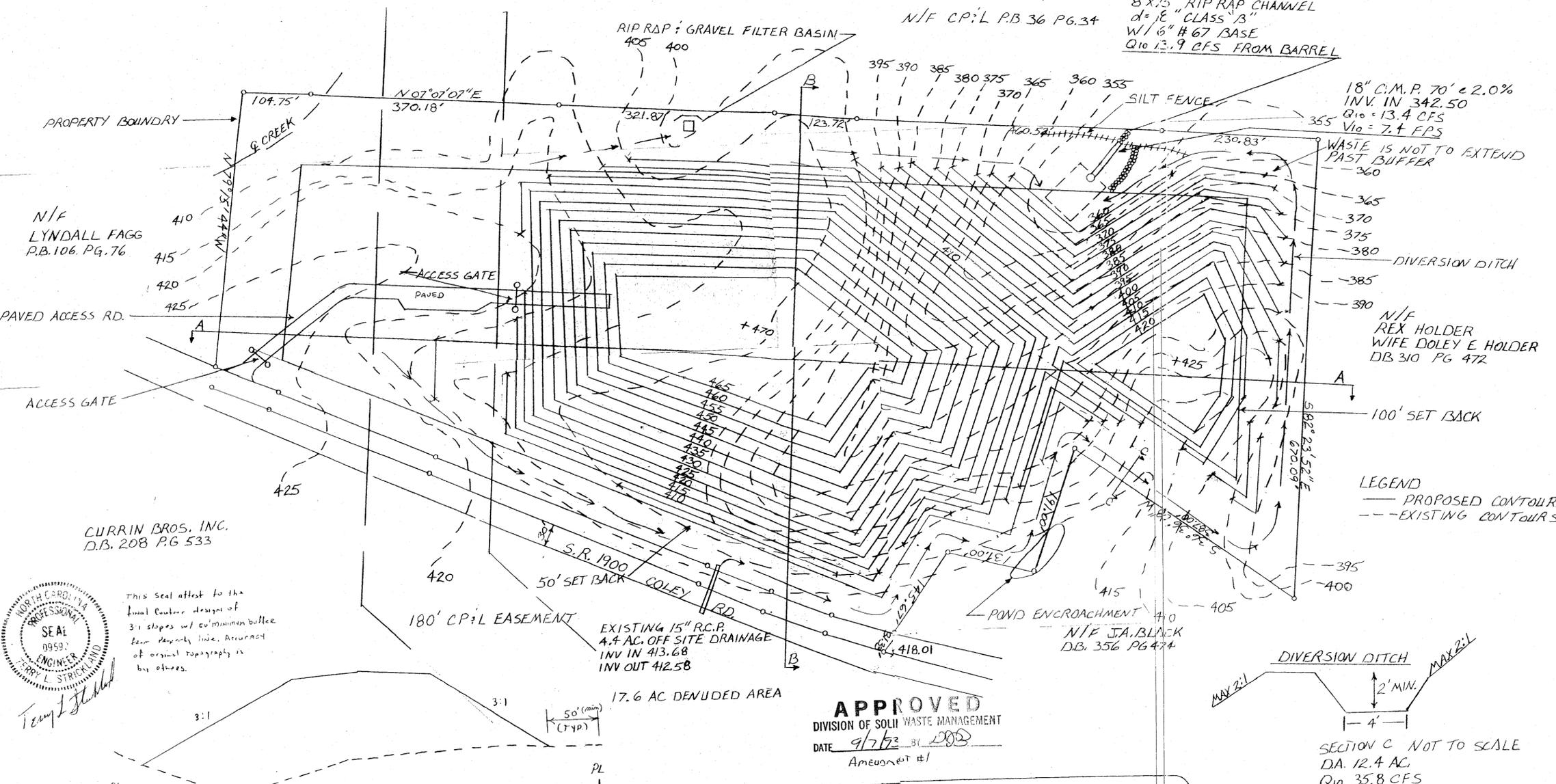
APRIL 5, 2010



NOTE: ALL 2:1 SLOPES NEED TO BE COVERED AND SEEDED, SO AS TO BE CONSIDERED CLOSED BEFORE 11/1/98 FOR 50' BUFFER TO APPLY.

NOTE: RISER BASIN TO REMAIN UNTIL ENTIRE SITE IS STABILIZED.

N/F CP: L P.B. 36 PG. 34
 8'x15' RIP RAP CHANNEL
 d= 8" CLASS "B"
 W/ 16" #67 BASE
 Q₁₀ 13.9 CFS FROM BARREL

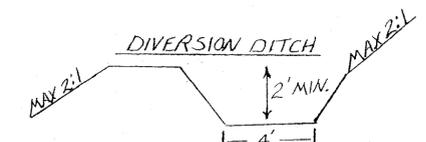


18" C.M.P. 70' @ 2.0%
 INV. IN 342.50
 Q₁₀ = 13.4 CFS
 V₁₀ = 7.4 FPS

WASTE IS NOT TO EXTEND PAST BUFFER

N/F REX HOLDER WIFE DOLEY E. HOLDER DB 310 PG 472

LEGEND
 — PROPOSED CONTOURS
 - - - EXISTING CONTOURS



SECTION C NOT TO SCALE
 DA. 12.4 AC
 Q₁₀ 35.8 CFS
 V₁₀ 2.79 FPS
 C= 0.4

N/F LYNDALL FAGG P.B. 106 PG. 76

PAVED ACCESS RD.

ACCESS GATE

CURRIN BROS. INC. D.B. 208 PG 533



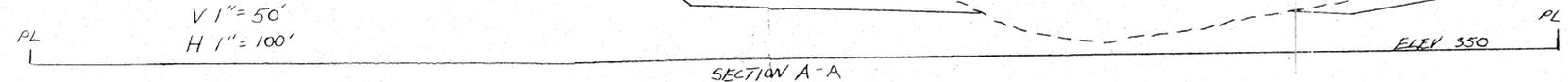
This seal attests to the final contour design of 3:1 slopes w/ 50' minimum buffer from property line. Accuracy of original topography is by others.

EXISTING 15" R.C.P. 4.4 AC. OFF SITE DRAINAGE
 INV IN 413.68
 INV OUT 412.58

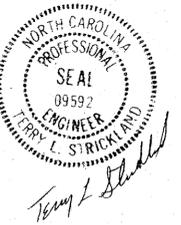
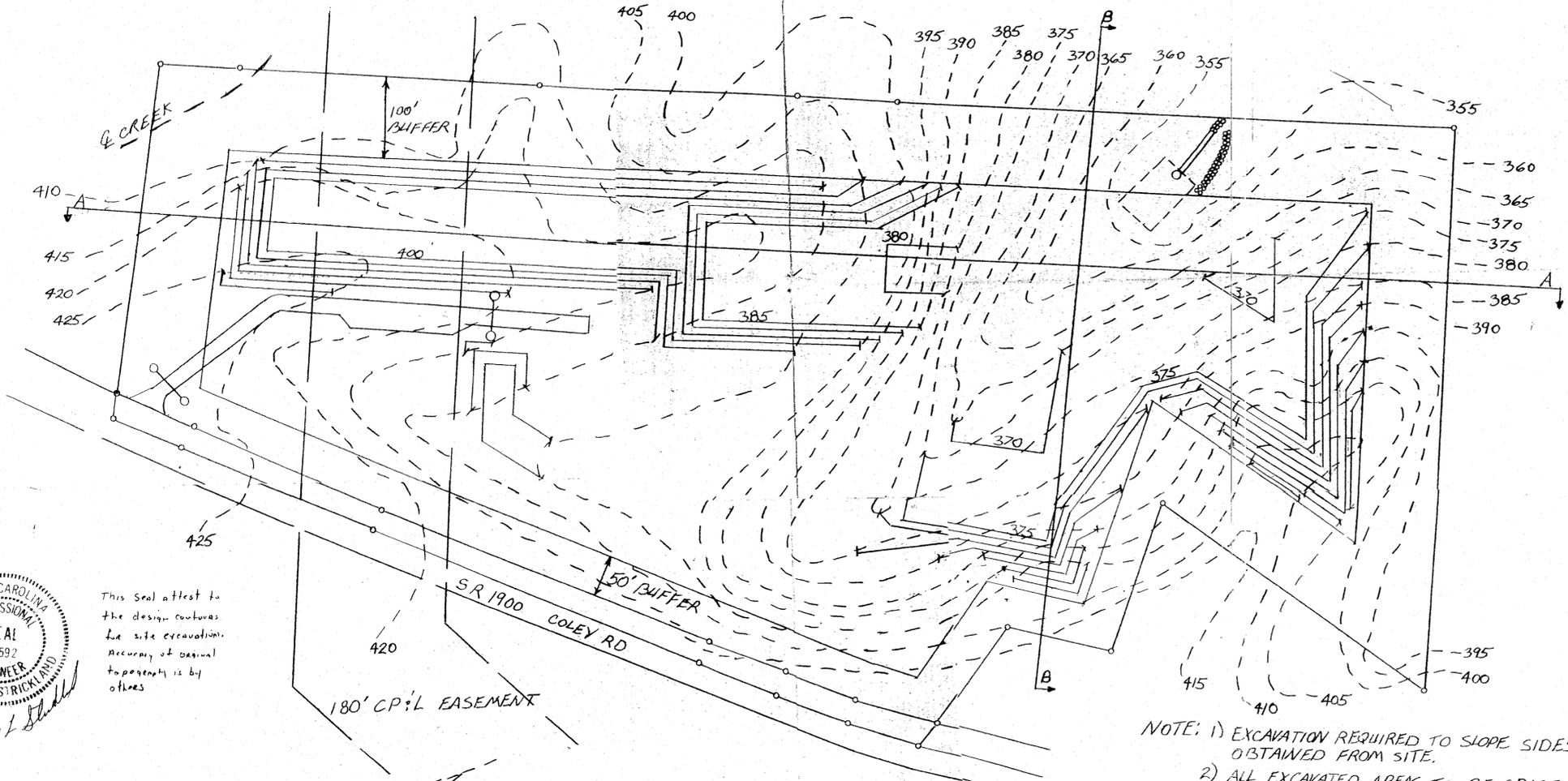
17.6 AC DEVELOPED AREA

APPROVED
 DIVISION OF SOLID WASTE MANAGEMENT
 DATE 9/7/93 BY [Signature]
 Amendment #1

CURRIN BROTHERS INC. DURHAM LCID LANDFILL
 SCALE 1" = 100' GRADING, SEDIMENTATION, EROSION CONTROL
 SHEET 1 OF 2



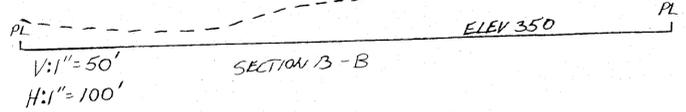
NOTE: MAKE PROVISIONS SO CREEK (WHEN FLOWING) WILL NOT FLOW INTO EXCAVATION.



This Seal attests to the design contours for site excavation. Accuracy of original topography is by others.

NOTE: 1) EXCAVATION REQUIRED TO SLOPE SIDES WILL BE OBTAINED FROM SITE.
 2) ALL EXCAVATED AREAS TO BE GRADED TO PROVIDE POSITIVE DRAINAGE

APPROVED
 DIVISION OF SOLID WASTE MANAGEMENT
 DATE 9/7/93 BY DAB
 AMENDMENT #1



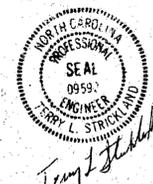
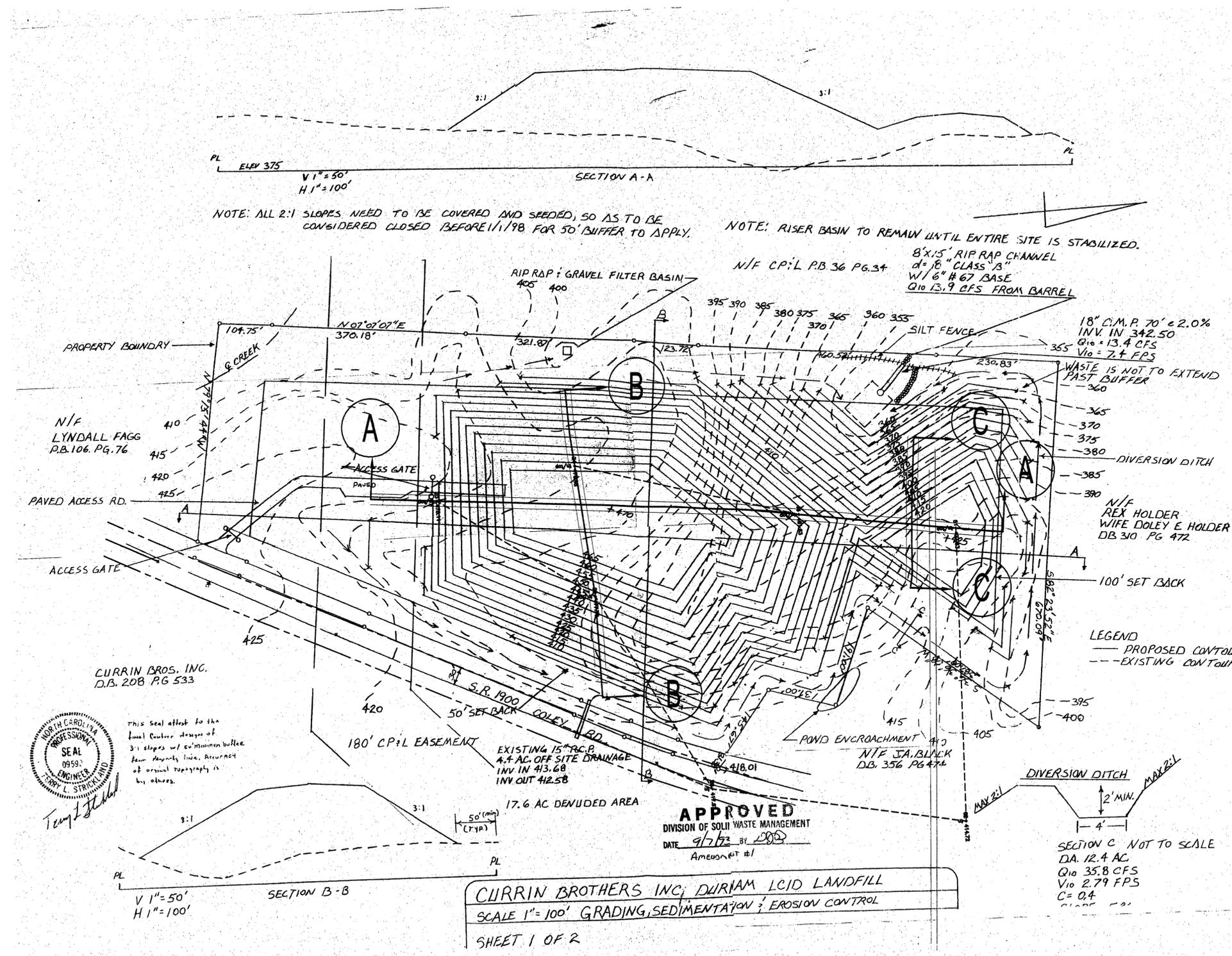
CURRIN BROTHERS INC. DURHAM
 LCID LANDFILL EXCAVATION PLAN



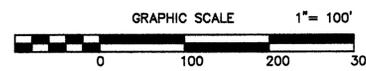
John A. K. Tucker, P.E.
 Consulting Engineer
 P.O. Box 297 Fuquay-Varina, North Carolina 27526
 (919) 567-0483 Fax (919) 567-3811
 Email: johntak@johnktucker.com

Currin Bros., Inc.
 P.O. Box 547
 Fuquay-Varina, NC 27526

Currin Bros. Inc. LCID Landfill No. 1
 Permit No. 32D-LCID
Original Base Map



This seal attests to the fact that the design of the 3:1 slopes with minimum buffer has been prepared by a Professional Engineer. Accuracy of original topography is by others.



Temporary Seeding Schedule - Fall

Seeding mixture Species	Rate (lb/acre)
Rye (groin)	120

Seeding dates

Mountains--Aug. 15 - Dec. 15
 Coastal Plain and Piedmont--Aug. 15 - Dec. 30

Soil amendments
 Follow soil tests or apply 2,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
 Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
 Repair and referitize damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extent temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or early March.

Permanent Seeding Schedule

Seeding mixture Species	Rate (lb/acre)
Parosola Bahiagrass	50
Sericea lespedeza	30
Kobe lespedeza	10

Seeding notes

- Use unsifted sericea seed.
- On poorly drained sites, omit sericea and increase Kobe to 30 lb/acre.
- Where a neat appearance is desired, omit sericea and increase Kobe to 40 lb/acre.

Nurse plants
 Between Apr 15 and Aug 15, add 10 lb/acre German millet or 15 lb/acre Sudan grass. Prior to May 1 or after Aug 15, add 25 lb/acre ryegrass.

Seeding dates

Best	Possible
Early spring: Feb 15-Mar 20	Feb 15-Apr 30
Fall: Sept 1-Sept 30	Sept 1-Oct 31

Soil amendments
 Apply lime and fertilize according to soil tests, or apply 3,000-5,000 lb/acre ground agricultural limestone (use the lower rate on sandy soil) and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
 Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, netting, or by tacking with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
 If growth is less than fully adequate, referitize in the second year, according to soil tests or topdress with 50 lb/acre 18-10-10 fertilizer. Now as needed when sericea is omitted from the mixture. Reseed/fertilize and mulch damaged areas immediately.

Temporary Seeding Schedule - Summer

Seeding mixture Species	Rate (lb/acre)
German millet	40

In the Piedmont and Mountains, a small-stemmed Sudan grass may be substituted at a rate of 50 lb/acre.

Seeding dates
 Mountains--May 15 - Aug. 15
 Piedmont--May 1 - Aug. 15
 Coastal Plain--Apr. 15 - Aug. 15

Soil amendments
 Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Mulch
 Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
 Referitize if growth is not fully adequate. Reseed, referitize and mulch immediately following erosion or other damage.

Temporary Seeding Schedule - Winter Early Spring

Seeding mixture Species	Rate (lb/acre)
Rye (groin)	120

Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)

On all annual lespedeza when duration of temporary cover is not to extend beyond June.

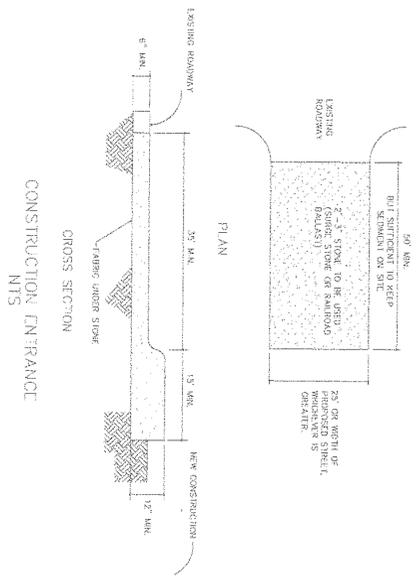
Seeding dates
 Mountains--Above 2,500 feet: Feb. 15 - May 15
 Below 2,500 feet: Feb. 1 - May 1
 Piedmont--Jan. 1 - May 1
 Coastal Plain--Dec. 1 - Apr. 15

Soil amendments
 Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Mulch
 Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
 Referitize if growth is not fully adequate. Reseed, referitize and mulch immediately following erosion or other damage.

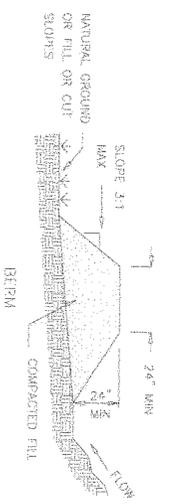
- NOTES
- PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
 - IF CONSTRUCTION ON THE SITE ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEGETATION, WHEELS MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
 - IF A PROJECT CONTAINS TO PUT MAIN AND DRAIN ON TO THE PUBLIC ROAD, THE CONSTRUCTION RESPONSIBILITY FOR THE ENTRANCE MUST BE THE RESPONSIBILITY FOR THE MAIN AND DRAIN.



Maintenance
 Monitor the gate and in a condition to prevent mud or sediment from entering the construction site. This may require periodic topdressing with mulch. Inspect and referitize immediately if erosion occurs. Referitize and mulch immediately if erosion occurs. Referitize and mulch immediately if erosion occurs.

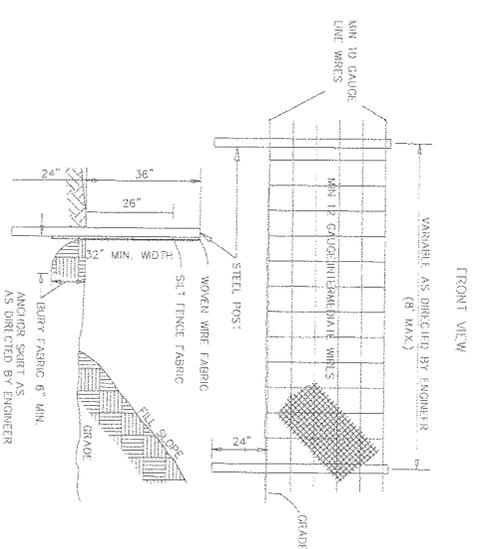
Maintenance
 Inspect temporary diversions once a week and after every rainfall. Immediately remove sediment from the flow area and repair the diversion ridge. Carefully check outlets and make timely reports as needed. When the area protected is permanently stabilized, remove the ridge and the channel to blend with the natural ground level and appropriate studding it.

- MAINTAIN CONNECTION OF ALL TIES TO EXISTING DIVERSIONS SUPERFICIAL TO DIRECT FLOW INTO A SEDIMENT CONTROL DEVICE PRIOR TO CLEARING AND GRUBBING OF THE AREA FOR AN CONSTRUCTION WITH THIS OPERATION IF SEDIMENT CONTROLS AND DIVERSIONS ARE INSTALLED IN EACH CHECK POINT IS REACHED.
- DIVERSIONS SHOULD BE LOCATED TO MINIMIZE DAMAGES BY CONSTRUCTION OPERATIONS.
- DIVERSIONS SHOULD BE REPAIRED AND MATCHED IMMEDIATELY REPAIR AS NECESSARY.
- CHECK DEVICE AFTER EACH RAIN, BUT ONCE A WEEK REGARDLESS.



NOTES:
 POSITIVE GRADE MUST BE PROVIDED TO ASSURE DRAINAGE. IF SLOPE EXCEEDS 2% SED AND MULCH DIVERSION, TRY NOT TO EXCEED 5% (HIGH VELOCITY REUS). MAXIMUM D. A. = 5 AGERS WITHOUT SUPPORTING CALCUS. DIVERSIONS AT THE TOP OF SLOPES MUST EARLY INTO AN APPROVED SLOPE DRAIN. BERM/DITCH IS MOST COMMONLY USED.

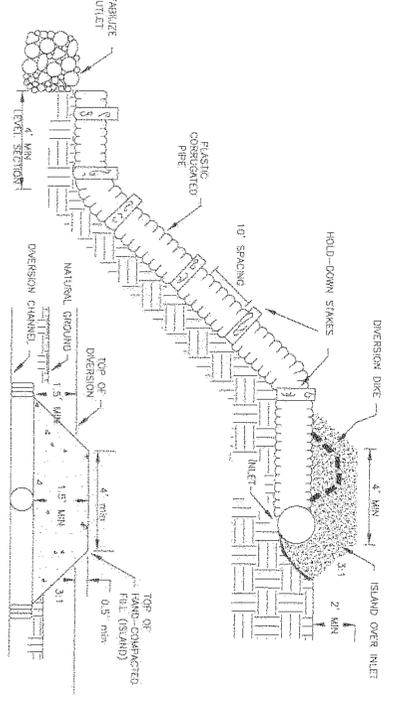
PERMANENT DIVERSION BERM



Maintenance
 Inspect sediment fences at least once a week or after each rainfall. Make any required repairs immediately. Should the fabric of a sediment fence collapse, tear, decompose or become ineffective, replace it promptly. Replace fabric every 60 days. Remove sediment deposits as necessary to provide adequate storage volume for the next rain and to reduce pressure on the fence. Do not use the area under the fence during storms. Remove all fencing materials and unstable sediment deposits and bring the area to grade and stabilize it after the confining drainage area has been properly stabilized.

NOTE:
 USE SILT FENCE ONLY WHEN DRAINAGE AREA AREAS OF CONCENTRATED FLOW. FOR REPAIR OF SILT FENCE FAILURES USE NO. 57 WASHED STONE FOR ANCHOR. USE NO. 57 WASHED STONE FOR ANCHOR WHEN SILT FENCE IS PROTECTING A CATCH BASIN.

TEMPORARY SILT FENCE



TEMP SLOPE DRAIN

Currin Bros. Inc. LCID Landfill No. 1
 Permit No. 32D-LCID
Facility Plan

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 P.O. Box 547
 Fuquay Varina, NC 27526

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REVISIONS

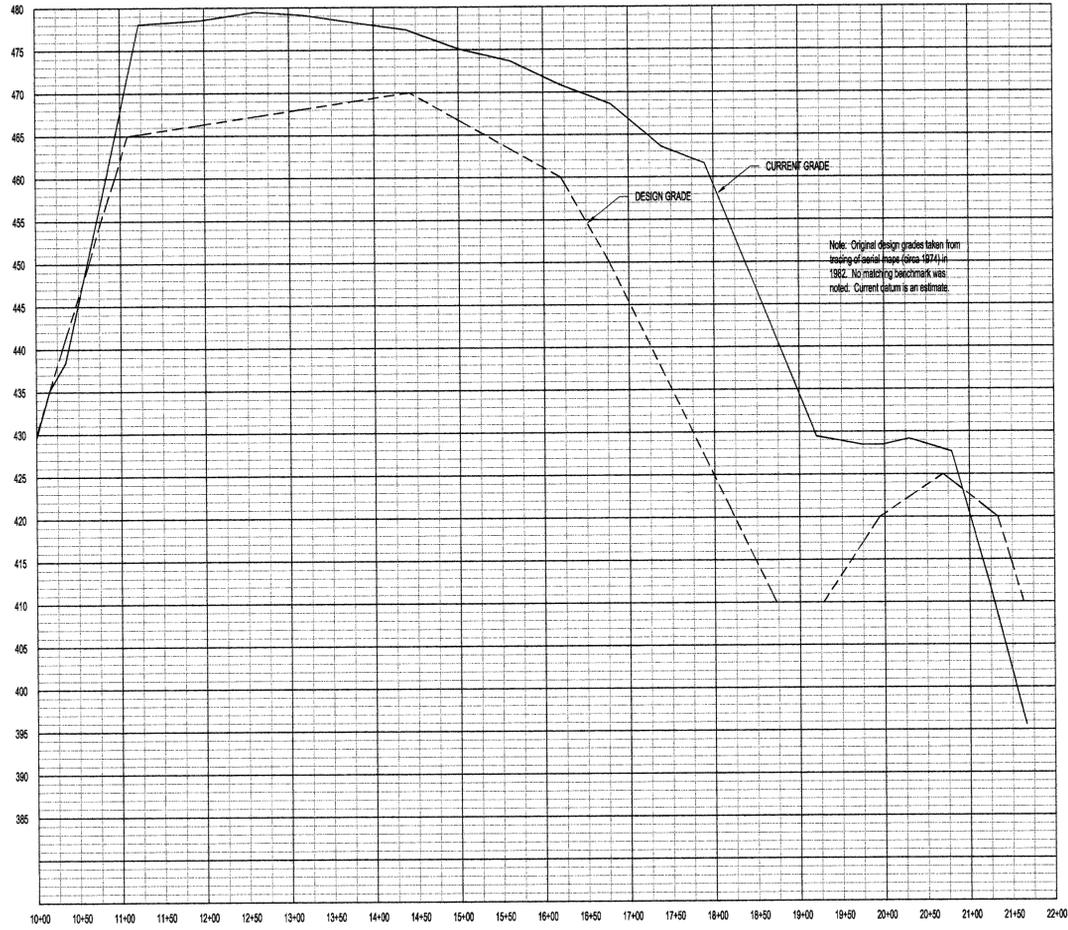


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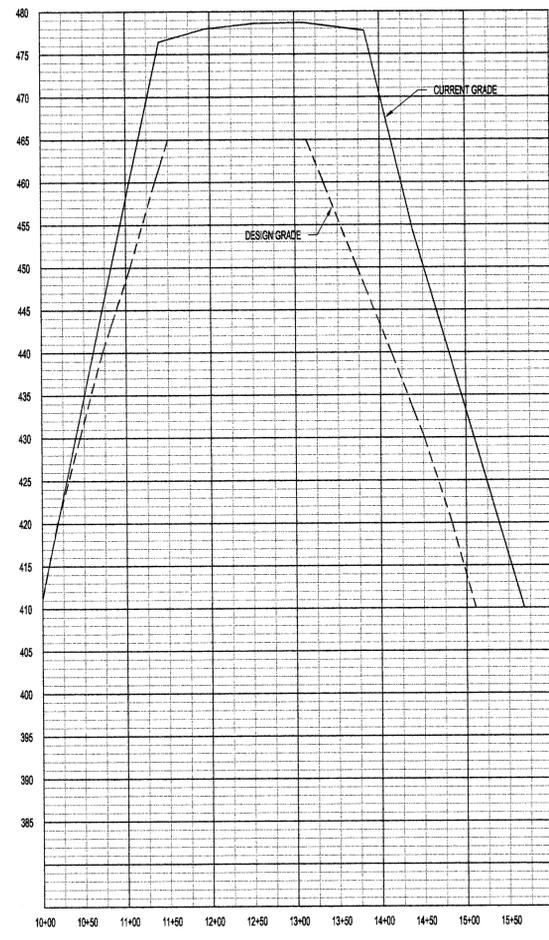
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 Fuquay-Varina, NC 27526

Currin Bros. Inc. LCID Landfill No. 1
Permit No. 32D-LCID
Cross Sections

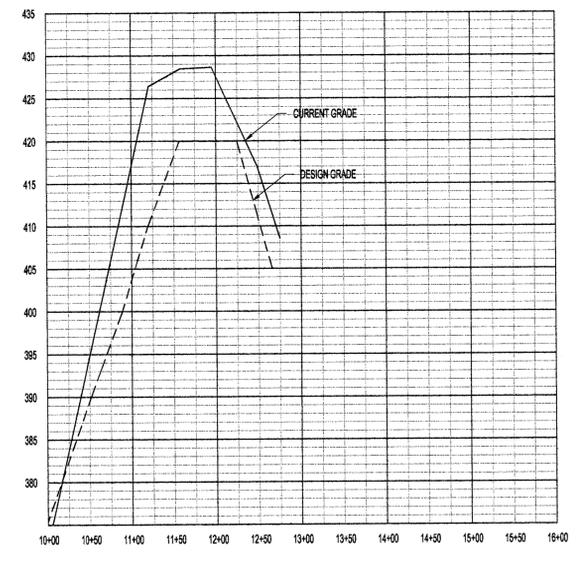
REVISIONS



PROFILE - SECTION A-A
 SCALE 1" = 100' H
 1" = 10' V



PROFILE - SECTION B-B
 SCALE 1" = 100' H
 1" = 10' V



PROFILE - SECTION C-C
 SCALE 1" = 100' H
 1" = 10' V

