



**RICHARDSON SMITH GARDNER & ASSOCIATES**  
Engineering and Geological Services

November 19, 2007

BY HAND DELIVERY

Donna J. Wilson  
Environmental Engineer  
Solid Waste Section  
**North Carolina Department of Environment and Natural Resources**  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

Re: Application for Service Area Expansion  
Red Rock Disposal C&D Landfill, Permit No. 92-28  
Wake County, Doc ID No. RCO 2817

Dear Ms. Wilson,

Richardson Smith Gardner & Associates, Inc. (RSG) has received the North Carolina Department of Environment and Natural Resources (DENR) letter dated November 1, 2007 (**copy attached**) regarding your review of the subject facility's Request for Service Area Expansion dated March 16, 2007. On behalf of Red Rock Disposal, LLC, (Red Rock) the following presents responses to DENR's comments. Each comment listed in the Department's letter is restated (**bold**) immediately followed by Red Rock's response.

- 1. The permit fee for the substantial amendment for this facility is \$30,000 G.S. 130A-295.8 (b)(1) and (c)(10). A payment for \$18,500 was received on 10-24-07. Enclosed please find an invoice for the difference, \$11,500.**

Response: A check in the amount of \$11,500.00 (Waste Industries Check No. 1439973, dated November 13, 2007) made payable to the North Carolina Department of Environment and Natural Resources, Division of Waste Management, along with the invoice was sent to the Department under separate cover during the week of November 12, 2007.

- 2. Please provide organizational information showing the relationship between Red Rock, LLC and Waste Industries, Inc.**

Response: The applicant for the permit amendment is Red Rock, LLC which is a wholly-owned subsidiary of Waste Industries USA, Inc. The relationship between these parties was previously provided to the Department on June 6, 2007 as part of

an annual compliance submittal. A copy of this documentation is included as **Attachment 1** to this response.

- 3. The application should contain a revised facility plan that satisfies the requirements of 15 NCAC 13B .0537. The facility plan requirements have changed since the earlier plans were submitted in 2001 and 2003. The engineering drawings should be large enough to be legible (the 8.5 by 11 inch drawings submitted are not readable).**

Response: At the time that the Facility Plan was last revised (April 2004; approved in June 2004), the plan was prepared by RSG (formerly G.N. Richardson & Associates, Inc.) to meet the general requirements of Section .1619. Although the .500 rules govern C&D landfill requirements, the Section .1619 rules were used at that time since they provide a more comprehensive and organized regulation resulting in an improved permit application. Consequently, the Facility Plan included in the previous application substantively meets the requirements of 15 NCAC 13B .0537. In summary, the previously submitted Facility Plan meets the new requirements under Section .0537. Additionally, we have included with this response (**Attachment 2**), a CD of full-size drawings (24 by 36-inch) for the current Permit To Construct , (PTC) Phase 2-C, dated April, 2004. Although these drawings are signed, sealed, and dated November 2007, please note that this request for substantial amendment application is not intended to replace, modify or change any elements of the currently-approved PTC other than an increase in service area, and therefore the accompanying plans do not reflect any changes from those most recently approved in June 2004.

- 4. Please address compliance with 15A NCAC 13B .0536 (c)(11).**

Response: In general, the Franchise Agreement Amendment that was included in the subject Application for Amendment was properly noticed, voted-on in two regular meetings of the Wake County Board of Commissioners, and approved. This process strictly followed the requirements of (recodified) G.S. 130A-294(b1)(3), which became effective on August 23, 2006 and the provisions of the applicable requirements of Wake County. As part of the Franchise Agreement Amendment process, the following summarizes key dates and activities:

1. November 17, 2006 - Application for Amendment of Construction & Demolition Debris Landfill Franchise Agreement submitted to Wake County.
2. December 4, 2006 – Regular Meeting of the Wake County Board of Commissioners Meeting; first vote taken upon Application - Action: Passed

and referred to the next regular meeting of the Board for Public Hearing. (January 8, 2007).

3. December 7, 2006 – Notice of Public Hearing published in News & Observer, Raleigh, NC. A copy of the Certified Affidavit of Publication for the News & Observer, dated December 7, 2006 was provided in the March 16, 2007 Request for Service Area Expansion to the Department.

It is noted that this substantial amendment application was submitted to the Department and confirms fulfillment of the requirements that were in effect at the time this Application was submitted (November 17, 2006) and initially approved and referred to Public Hearing by the Board of Commissioners of Wake County (December 4, 2006) which were: G.S. 130A-294(b1)(2) and G.S. 153A-46 and the requirements of Wake County for the Amendment of the subject Franchise. It is further noted that the provisions of 15A NCAC 13B.0536(c)(11) were not effective until January 1, 2007, which date was subsequent to the first regular meeting of Board at which the Ordinance was passed (December 4, 2006) and was subsequent to the December 7, 2006 date of publication for the second regular (Public Hearing) meeting.

4. December 8, 2006 - Delivery of Facility Plans and Documents to Holly Springs and Fuquay-Varina Public Libraries. It is noted that the permit application and related information supporting the Franchise Agreement Amendment were placed in the two libraries closest to the site area, rather than the single closest library, which was the requirement at that time of G.S. 130A-294(b1)(3).
5. December 8, 2006 - Posting of Property for Notice of Hearing. It is noted that the property was posted at two locations along the public road adjacent to the property (Rex Road). That is, it was posted where the property abuts Rex Road and it was posted at the facility entrance along Rex Road (the facility shares an entrance with the Hanson Quarry).
6. January 8, 2007 – Regular meeting of the Wake County Board of Commissioners at which, after a Public Hearing the Ordinance Granting the Amendment of the Franchise to Red Rock Disposal, LLC was passed and the Ordinance was adopted.

Within DENR's revised C&D Rules (effective January 1, 2007), the requirements for local approval, including, the Franchise Agreement process were revised. Although the final vote by Wake County occurred on January 8, 2007, after the effective date of the new C&D rules, the first regular meeting was held December 4, 2006 and the final meeting was legally Noticed on December 7, 2006 and therefore met the statutory requirements in effect at that time (G.S. 130A-294(b1)(2)).

Additionally please note the following documents/records which are included collectively with this response as **Attachment 3**:

- A) Red Rock's Attorney, Mr. Tom Worth met on December 2, 2005 with the Honorable Dick Sears, Mayor of Holly Spring and Town Attorney John Schifano to inform them that a Franchise Amendment which would enlarge the service area was under consideration. This meeting is referred to in a letter dated December 11, 2006, a copy of which is included in Attachment 3.
- B) Tom Worth again met on December 1, 2006 with Mayor Sears to inform him that the amendment process had been initiated and would be considered by the Wake County Board of Commissioners initially on December 4, 2006. This meeting is referred to in a letter dated December 11, 2006, a copy of which is included in Attachment 3 along with a copy of the Notice of Public Hearing for the Board of Commissioners meeting scheduled for Monday, January 8, 2007. Please note also in the Request filed with the Department on March 16, 2007 that the minutes of the Board of Commissioners meeting of January 8, 2007 confirm that Town Attorney Schifano was in attendance at the meeting and spoke in opposition to the granting of the amendment before the Board of Commissioners unanimously approved the Ordinance granting the requested amendment.
- C) Affidavit of Thomas C. Worth, Jr., dated, executed and acknowledged December 20, 2006 confirming the timely posting on December 8, 2006 of the Notice of Public Hearing, in accordance with the requirements of Wake County for Franchise Amendments. A copy of this affidavit is included in Attachment 3.
- D) Affidavit of Thomas C. Worth, Jr., dated, executed and acknowledged December 20, 2006 confirming the timely placement on December 8, 2006 in the public libraries at Holly Spring and Fuquay-Varina of the materials required under the provisions of G.S. 130A-294(b1)(3). A copy of this affidavit is included in Attachment 3.
- E) Letters (with attached documents) dated December 8, 2006 from Thomas C. Worth, Jr., to the Branch Managers of the Holly Springs and Fuquay-Varina public libraries, respectively transmitting applications and Notice of Public Hearing, on December 8, 2006 to the Holly Springs Branch Manager, Ms. Elena Owens and Fuquay-Varina Branch Manager, Ms. Cindy McConnell. Copies of these transmittals are included in Attachment 3.
- F) Letters from Thomas C. Worth, Jr., to Ms. Elena Owens and Ms. Cindy McConnell dated January 4, 2007, requesting confirmation of interest of

members of the public in the materials placed in these libraries on December 8, 2006. Copies of these transmittals are included in Attachment 3. Also attached are copies of the email message to Mr. Worth from Ms. Owens dated January 4, 2007 wherein she indicated that there had been no inquiries to her personally and further that she had alerted two members of the Citizens Advisory Board for the landfill where the required materials were located in her library. There was no further response from Ms. Owens. Also attached is a copy of phone message from Ms. McConnell on the morning of January 9, 2007 (the date following the Public Hearing) wherein she indicated there had been no inquiries regarding the Red Rock materials.

This additional information should confirm to the Department the extra efforts undertaken, which exceeded the applicable requirements that appropriate information was disseminated to the public and to its representatives.

In summary, although the Request was not submitted to the Department until after January 1, 2007, the requisite local approval process was initiated, the Ordinance initially approved, Notices published and posted, and the required materials placed in the two closest libraries and therefore the approval process was substantially underway prior to January 1, 2007 though concluded January 8, 2007. It is our opinion that the Rules which became effective on January 1, 2007 do not include language which renders their effective date retroactive to include Franchise Amendment Applications already commenced and underway in local jurisdictions, (as was the case in this matter) and that the January 1, 2007 Rules are not applicable in this instance.

**5. Please submit an electronic copy of future submittals by email or on a CD.**

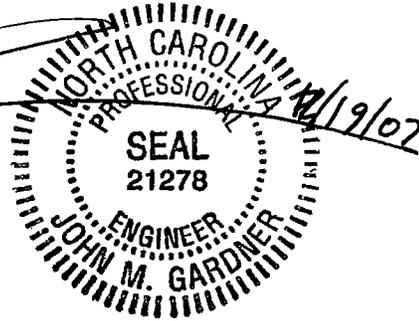
Response: As requested, the drawings referenced above in response to Comment 3 are included here as Attachment 2. The remaining \* attachments to this letter, including this response, are included on the attached CD \* accompanying this letter.

\* NO CD WITH THIS COPY

Ms. Donna Wilson  
November 19, 2007  
Page 6

We trust that this adequately addresses your comments and concerns regarding the application previously submitted. Should you have any additional questions or require additional clarification, please call either myself or Jerry Johnson.

Sincerely,  
**Richardson Smith Gardner & Associates, Inc.**



John M. Gardner, P.E.  
Sr. Project Manager

Attachments

Cc: Jerry Johnson  
David Pepper  
Tom Worth, Jr.





Make checks payable to **N.C. Division of Waste Management, Solid Waste Section**, include Permit Number and invoice number on check. If you are paying by electronic transfer, include the invoice number with your electronic transfer. [G.S. 25-3-506: A \$25.00 processing fee will be charged on all returned checks.] Please return a copy of this invoice with your payment.

<b>Applicant Address:</b>	<b>Contact/Billing Information:</b>	<b>Facility Location Address:</b>
	JERRY JOHNSON VP LANDFILL DIVISION 3301 BENSON DR RALEIGH NC 27609	RED ROCK DISPOSAL LLC

INVOICE NUMBER	INVOICE DATE	DUF DATE	AMOUNT DUE
SW07-0033a	11-1-2007	12-1-07	\$11,500

**A. Permit Fee Requirements:** Pursuant to North Carolina General Statute 130A-295.8 you are required to pay fee(s) based on your solid waste management activities. The fee(s) shall be used to support the solid waste management program. Permit fees are due 30 days from the invoice date and an application is deemed incomplete until all fees are received.

**B. Explanation of Invoice Amount is Based on Facility's Current Permit Application**

Facility Permit #	Facility Type	Application Type	Application Date	Fee	Total Amount
92-28	CDLF	NEW- Service Area Change resulting in a Substantial Chg		\$30,000	\$30,000
Total Amount Paid (10/24/07)					<b>\$18,500</b>
Amount Due					<b>\$11,500</b>

**C. Remit Payment (including a copy of this invoice) To:**

Division of Waste Management  
 Solid Waste Section  
 1646 Mail Service Center  
 Raleigh, NC 27699-1646  
 Attn: Ellen Lorscheider

**D. Solid Waste Contacts:**

- Questions about billing process: Ellen Lorscheider at (919) 508-8499
- Questions about the Regulations and Technical Assistance:  
 Ed Mussler (919) 508-8495 Landfills, Transfer Stations  
 Michael Scott (919) 508-8513 Land Application Sites, Compost Facilities

**E. Update Your Information:** Please indicate any changes in Facility or Contact Information.

## F. Who Is Required to Pay?

**New Permits:** Solid Waste Facilities which have not previously been permitted by the Solid Waste Section; Permitted Solid Waste Facilities proposing to expand the boundary of the facility for the purpose of expanding the permitted activity; Permitted Solid Waste Facilities proposing to expand the boundary of a waste disposal unit; and permitted Solid Waste Facilities seeking a substantial amendment\* to a Solid Waste permit.

\*"Substantial Amendment" means either: 1.) An increase of 10% or more in the population or the quantity of solid waste to be disposed of in the sanitary landfill or the geographic area to be served by the sanitary landfill; or 2.) A change in the categories of solid waste to be disposed of or any other change to the application for a permit or to the permit for a sanitary landfill that the Commission or the Department determines to be substantial.

**Amended Permits:** Permitted Solid Waste Facilities seeking a permit to construct and a permit to operate for the second and subsequent phases of landfill development described in the approved facility plan; Permitted Solid Waste Facilities seeking the five-year renewal of a permit or for a permit review; or Permitted Solid Waste Facilities proposing a change in ownership or corporate structure.

**Modified Permits:** Permitted Solid Waste Facilities proposing to change plans approved in a permit that does not constitute a 'permit amendment' or a 'new permit'; or Permitted Solid Waste Facilities seeking a second or subsequent permit to operate for a constructed portion of a phased included in the permit to construct.

- (1) Municipal Solid Waste Landfill accepting less than 100,000 tons/year of solid waste, New Permit – \$25,000.
- (2) Municipal Solid Waste Landfill accepting less than 100,000 tons/year of solid waste, Amendment – \$15,000.
- (3) Municipal Solid Waste Landfill accepting less than 100,000 tons/year of solid waste, Modification – \$1,500.
- (4) Municipal Solid Waste Landfill accepting 100,000 tons/year or more of solid waste, New Permit – \$50,000.
- (5) Municipal Solid Waste Landfill accepting 100,000 tons/year or more of solid waste, Amendment – \$30,000.
- (6) Municipal Solid Waste Landfill accepting 100,000 tons/year or more of solid waste, Modification – \$3,000.
- (7) Construction and Demolition Landfill accepting less than 100,000 tons/year of solid waste, New Permit – \$15,000.
- (8) Construction and Demolition Landfill accepting less than 100,000 tons/year of solid waste, Amendment – \$9,000.
- (9) Construction and Demolition Landfill accepting less than 100,000 tons/year of solid waste, Modification – \$1,500.
- (10) Construction and Demolition Landfill accepting 100,000 tons/year or more of solid waste, New Permit – \$30,000.
- (11) Construction and Demolition Landfill accepting 100,000 tons/year or more of solid waste, Amendment – \$18,500.
- (12) Construction and Demolition Landfill accepting 100,000 tons/year or more of solid waste, Modification – \$2,500.
- (13) Industrial Landfill accepting less than 100,000 tons/year of solid waste, New Permit – \$15,000.
- (14) Industrial Landfill accepting less than 100,000 tons/year of solid waste, Amendment – \$9,000.
- (15) Industrial Landfill accepting less than 100,000 tons/year of solid waste, Modification – \$1,500.
- (16) Industrial Landfill accepting 100,000 tons/year or more of solid waste, New Permit – \$30,000.
- (17) Industrial Landfill accepting 100,000 tons/year or more of solid waste, Amendment – \$18,500.
- (18) Industrial Landfill accepting 100,000 tons/year or more of solid waste, Modification – \$2,500.
- (19) Tire Monofill, New Permit – \$1,750.
- (20) Tire Monofill, Amendment – \$1,250.
- (21) Tire Monofill, Modification – \$500.
- (22) Treatment and Processing, New Permit – \$1,750.
- (23) Treatment and Processing, Amendment – \$1,250.
- (24) Treatment and Processing, Modification – \$500.
- (25) Transfer Station, New Permit – \$5,000.
- (26) Transfer Station, Amendment – \$3,000.
- (27) Transfer Station, Modification – \$500.
- (28) Incinerator, New Permit – \$1,750.
- (29) Incinerator, Amendment – \$1,250.
- (30) Incinerator, Modification – \$500.
- (31) Large Compost Facility, New Permit – \$1,750.
- (32) Large Compost Facility, Amendment – \$1,250.
- (33) Large Compost Facility, Modification – \$500.
- (34) Land Clearing and Inert, New Permit – \$1,000.
- (35) Land Clearing and Inert, Amendment – \$500.
- (36) Land Clearing and Inert, Modification – \$250.

**ATTACHMENT 1  
WASTE INDUSTRIES, USA,  
INC.  
ANNUAL COMPLIANCE  
FORM**



ATTACHMENT 2  
PERMIT TO CONSTRUCT  
PLANS

NO CD WITH  
THIS COPY

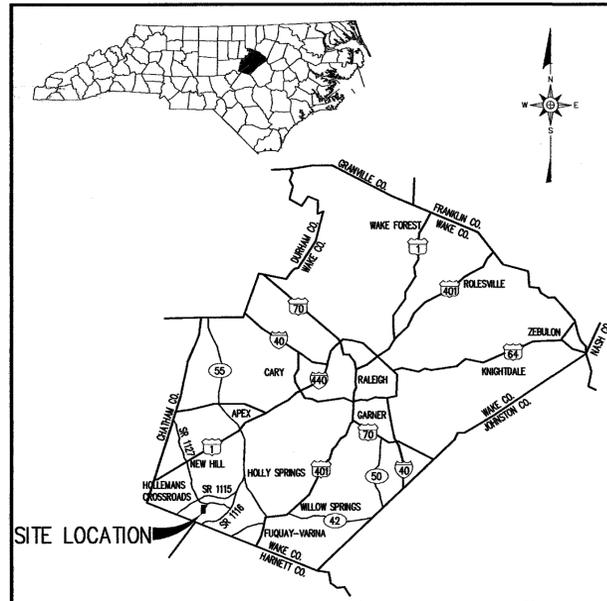
RED ROCK DISPOSAL, LLC  
WAKE COUNTY, NORTH CAROLINA

# CONSTRUCTION & DEMOLITION DEBRIS (C&D) LANDFILL PHASE 1 ENGINEERING DRAWINGS

MAY 2001

REVISED OCTOBER 2003 (SEE NOTE 1)

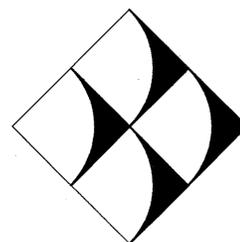
△ REVISED APRIL 2004



SHEET NO.	DRAWING NO.	DRAWING TITLE
△ 1	1	TITLE/COVER SHEET
2	E1	EXISTING SITE CONDITIONS (NOT INCLUDED IN REVISED DRAWING SET)
△ 3	E2	FACILITY PLAN - BASE GRADES
4	E3	FACILITY PLAN - FINAL COVER GRADES
5	E4	PHASE 1 - SUBGRADE (NOT INCLUDED IN REVISED DRAWING SET. REFER TO DRAWING EC8 FOR PHASE 1C SUBGRADE)
6	E5	PHASE 1 - FINAL GRADING AND DRAINAGE PLAN
7	G1	PHASE 1 - DETAILS (NO REVISIONS)
△ 8	X1	PHASE 1 - ENGINEERING CROSS SECTIONS (SHEET 1 OF 2)
△ 9	X2	PHASE 1 - ENGINEERING CROSS SECTIONS (SHEET 2 OF 2)
10	EC1	PHASE 1 - EROSION AND SEDIMENTATION CONTROL DETAILS (SHEET 1 OF 5)
11	EC2	PHASE 1 - EROSION AND SEDIMENTATION CONTROL DETAILS (SHEET 2 OF 5)
12	EC3	PHASE 1 - EROSION AND SEDIMENTATION CONTROL DETAILS (SHEET 3 OF 5) (NO REVISIONS)
13	EC4	PHASE 1 - EROSION AND SEDIMENTATION CONTROL DETAILS (SHEET 4 OF 5)
14	EC5	PHASE 1 - EROSION AND SEDIMENTATION CONTROL DETAILS (SHEET 5 OF 5)
15	EC6	PHASE 1C - INITIAL GRADING AND DRAINAGE PLAN
△ 16	EC7	PHASE 1C-1 SUBGRADE AND DRAINAGE PLAN
△ 17	EC8	PHASE 1C-2 SUBGRADE AND DRAINAGE PLAN
	P1	PHASE 1 - FILLING SEQUENCE (NOT INCLUDED IN REVISED DRAWING SET.)

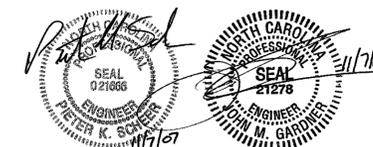
NOTE

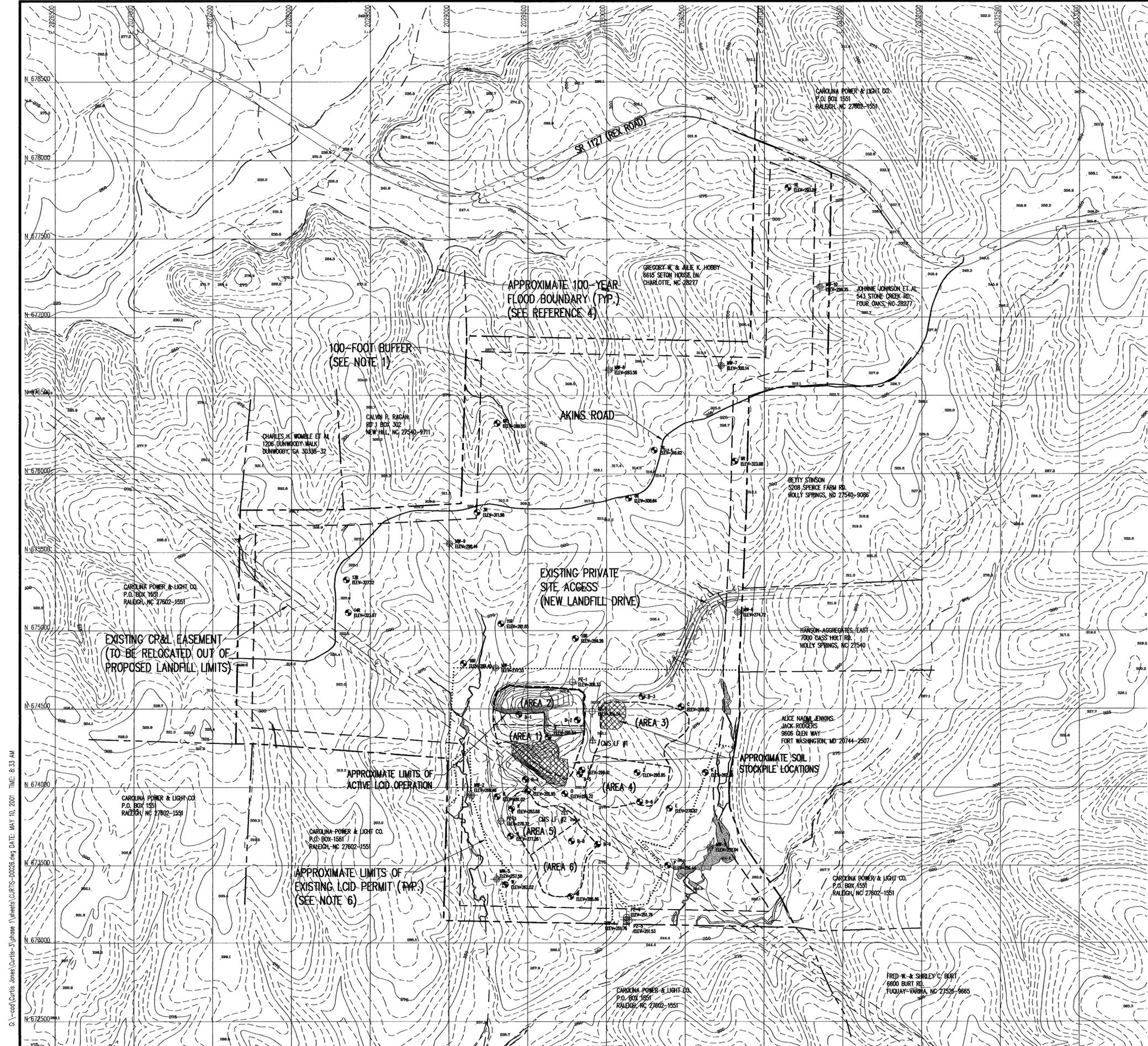
1. ONLY THOSE DRAWINGS PRESENTING CHANGES AS A RESULT OF RE-PHASING CELL 1C ARE INCLUDED IN THIS SET. ALL OTHER PREVIOUS PHASE 1 DRAWINGS REMAIN UNCHANGED OR ARE SUPERCEDED BY NEW DRAWINGS.



**G.N. RICHARDSON & ASSOCIATES, INC.**  
**Engineering and Geological Services**

14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
PHONE-919-828-0577 FAX-919-828-3899 WWW.GNRA.COM





SURVEY MONUMENTS			
MONUMENT	NORTHING	EASTING	ELEV.
CMS LF #1	674301.66	2029911.23	303.10
CMS LF #2	673847.32	2029733.41	299.04

**LEGEND**

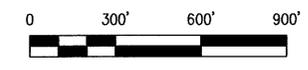
- 300' EXISTING 25' CONTOUR
- EXISTING 5' CONTOUR
- PROPERTY LINE (PER REFERENCE 2)
- WATER COURSE (PER REFERENCE 3)
- APPROXIMATE PROPERTY LINE FOR EXISTING LCO LANDFILL
- 100-YEAR FLOOD BOUNDARY (PER REFERENCE 4)
- MW-1 MONITORING WELLS INSTALLED BY THE HUTCHINSON GROUP, LTD. JULY-NOV. 2000
- PZ-1 PIEZOMETERS INSTALLED BY THE HUTCHINSON GROUP, LTD. JULY-NOV. 2000
- C & B BORINGS INSTALLED BY THE HUTCHINSON GROUP, LTD. JULY-NOV. 2000
- B-1 BORINGS INSTALLED BY TAI & ASSOCIATES JULY 1996
- SURVEY MONUMENT
- ELEV- EXISTING GROUND SURFACE ELEVATION AT THE TIME OF DRILLING (SEE NOTE 1)
- DELINEATED WETLAND AREAS (SEE NOTE 5)
- (AREA 4) SIX CELL AREAS WITHIN EXISTING LCO LANDFILL

**NOTES:**

1. THIS BUFFER REPRESENTS A TYPE A BUFFER YARD AND A TRANSITIONAL BUFFER IN ACCORDANCE WITH WAKE COUNTY ZONING REQUIREMENTS. THIS 100-FOOT BUFFER ALSO INCLUDES, BUT DOES NOT SHOW, A 50-FOOT UNDISTURBED BUFFER ALSO PER WAKE COUNTY ZONING REQUIREMENTS.
2. ELEVATIONS REFERENCE U.S.C.S. VERTICAL DATUM (M.S.).
3. GRID COORDINATES REFERENCE NC STATE PLANE SYSTEM (NAD 1983).
4. WELL MW-4 WAS USED AS A PUMP TEST WELL WITH PZ-4 AND PZ-5 AS OBSERVATION WELLS.
5. USACE ACTION LD. #199820776 SECTION 404 PERMIT HAS BEEN SUPERCEDED BY A DELINEATION PERFORMED BY SOIL & ENVIRONMENTAL CONSULTANTS; SURVEYED BY SURVEYING SOLUTIONS, P.C., DATED APRIL 2001.
6. THE CURRENT PERMIT FOR THE RED ROCK DISPOSAL, LLC LCO LANDFILL INCLUDES AREAS 1 THROUGH 6. HOWEVER, THE PERMIT TO CONSTRUCT (DATED 7/21/98) WAS ISSUED ONLY FOR AREAS 1 AND 2.

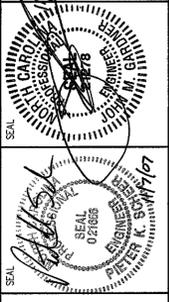
**REFERENCES:**

1. TOPOGRAPHY REFERENCES WAKE COUNTY G.L.S.
2. THE PROPERTY LINE SHOWN REFERENCES DRAWING TITLED, "BOUNDARY SURVEY FOR WASTE INDUSTRIES, INC.", PREPARED BY SURVEY SOLUTIONS, P.C. DATED 12/27/00, SCALE 1"=400'.
3. NATURAL WATERWAYS SHOWN DEPCT STREAMS PER THE MOST RECENT U.S.G.S. QUADRANGLE MAP (1983).
4. 100-YEAR FLOOD BOUNDARY FROM MAPS #354, 355, 370, 371 USACE/FEMA RESTUDY WORKSHEETS (1989-1992).
5. DRAWING TITLED "EXCAVATION PLAN", DATED (REV.) AUGUST 14, 1998, PREPARED BY BRETHAUER CONSULTING ENGINEERING, SCALE 1"=100'.



NO.	DATE	REVISION

**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 425 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
 PHONE 919-828-0577 FAX 919-828-3899 WWW.GNRA.COM



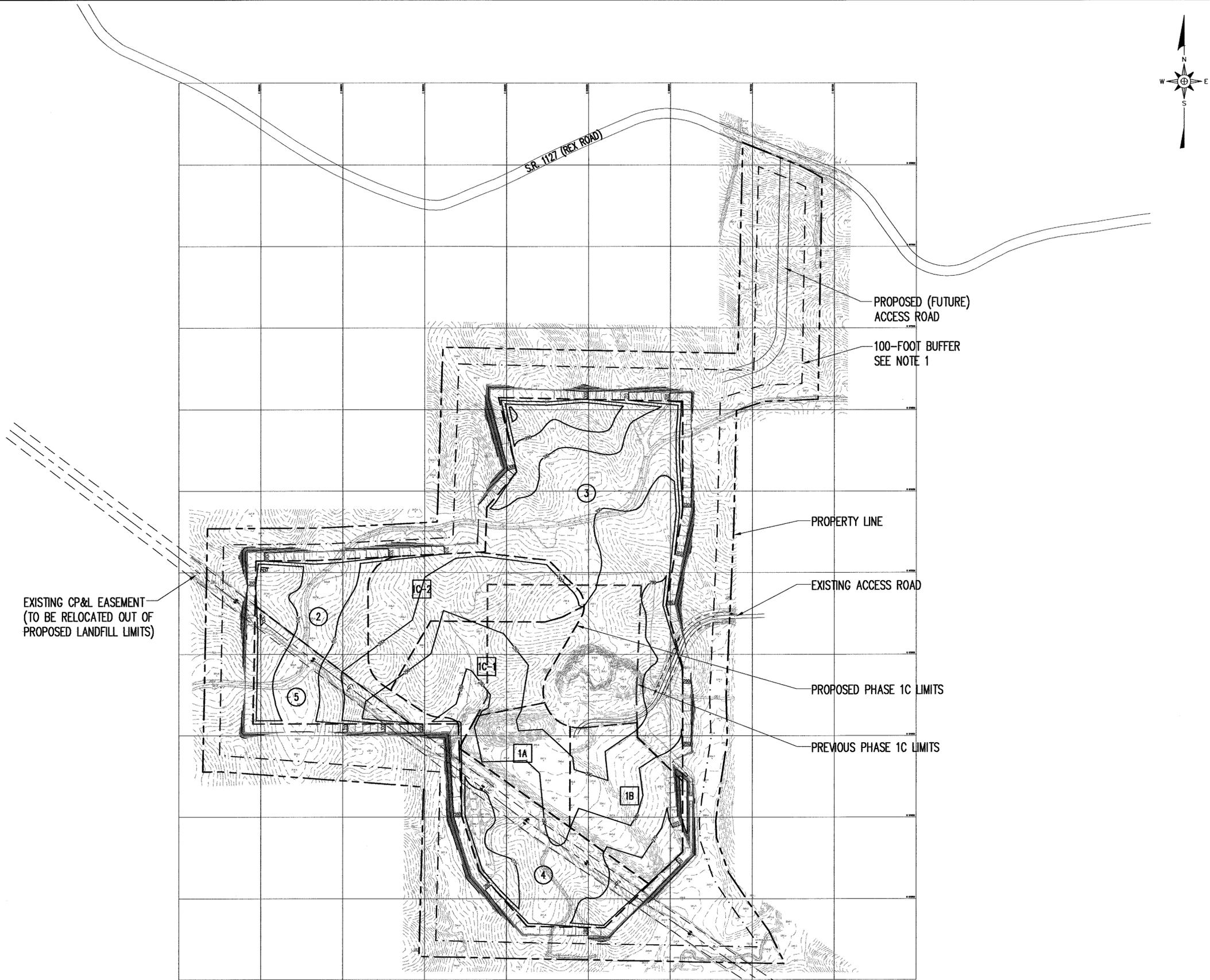
PROJECT TITLE:  
**RED ROCK DISPOSAL, LLC  
 CONSTRUCTION/DEMOLITION  
 LANDFILL PHASE 1  
 WAKE COUNTY, NC**

DRAWING TITLE:  
**EXISTING SITE CONDITIONS**

DESIGNED BY: J.M.G.	DRAWN BY: C.T.J.
CHECKED BY: G.N.R.	PROJECT NO.: CURTIS-3
SCALE: AS SHOWN	DATE: MAY 2001
FILE NAME: CURTIS-00026	SHEET NO.: 2
SHEET NO.: 2	DRAWING NO.: E1

G:\cadd\Curtis Jones\Projects\1\sheet\CURTIS-00026.dwg DATE: MAY 10, 2001 TIME: 6:33 AM

G:\CAD\Red Rock-2\phase 1C\phase 1C\phase 1C\phase 1C\RedRock-00222a.dwg DATE: APR 23, 2004 TIME: 9:59 AM



**LEGEND**

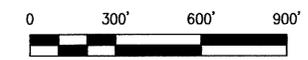
- 300' EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PROPERTY LINE (PER REFERENCE 2)
- PHASE BOUNDARY
- PHASE IDENTIFICATION
- SUBPHASE AND SUB-SUBPHASE IDENTIFICATION

**NOTES:**

1. THIS BUFFER REPRESENTS A TYPE A BUFFER YARD AND A TRANSITIONAL BUFFER IN ACCORDANCE WITH WAKE COUNTY ZONING REQUIREMENTS. THIS 100-FOOT BUFFER ALSO INCLUDES, BUT DOES NOT SHOW, A 50-FOOT UNDISTURBED BUFFER ALSO PER WAKE COUNTY ZONING REQUIREMENTS.
2. ELEVATIONS REFERENCE U.S.G.S. VERTICAL DATUM (MSL).
3. GRID COORDINATES REFERENCE NC STATE PLANE SYSTEM (NAD 1983).

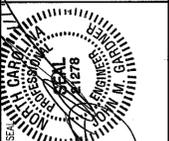
**REFERENCES:**

1. OVERALL SITE TOPOGRAPHY PREPARED BY SPATIAL DATA CONSULTANTS, INC., BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 2003.
2. THE PROPERTY LINE SHOWN REFERENCES DRAWING TITLED, "BOUNDARY SURVEY FOR WASTE INDUSTRIES, INC.", PREPARED BY SURVEY SOLUTIONS, P.C. DATED 12/27/00, SCALE 1"=400'.
3. CP&L POWERLINE/EASEMENT REFERENCES THE BOUNDARY SURVEY.



NO.	DATE	REVISIONS
3	4/04	REVISED GRADING
2	10/03	PHASE 1C REVISIONS

**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
 PHONE: 919-828-0577 FAX: 919-828-3899 WWW.GNRA.COM

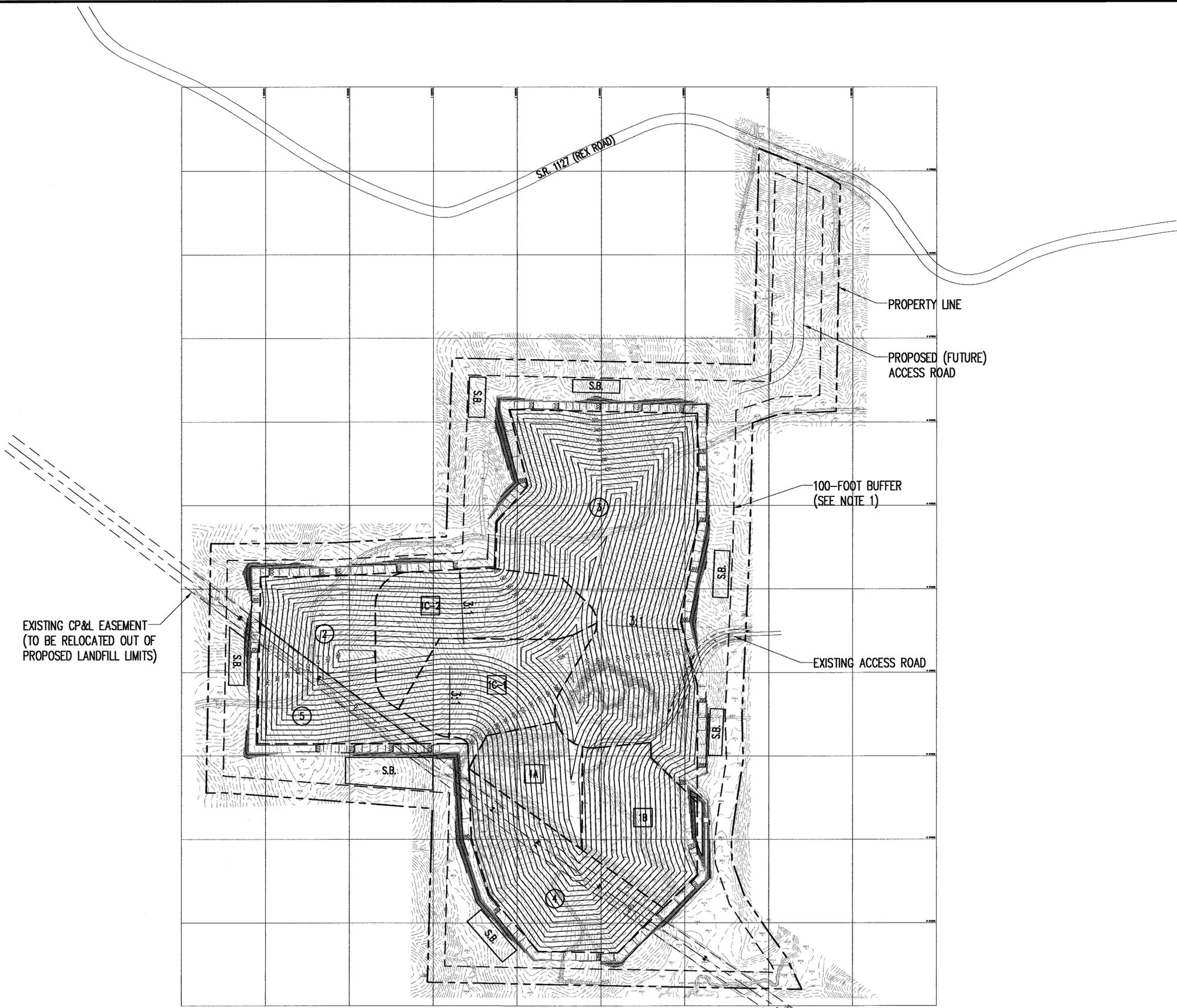


PROJECT TITLE:  
**RED ROCK DISPOSAL, LLC  
 CONSTRUCTION/DEMOLITION  
 LANDFILL PHASE 1  
 WAKE COUNTY, NC**

DRAWING TITLE:  
**FACILITY PLAN  
 BASE GRADES**

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-0022A	SHEET NO.: 3
DRAWING NO.:	E2

G:\CAD\Red Rock\Red Rock-2\phase 10\plans\REDROCK-00023.dwg DATE: NOV 24, 2003 TIME: 11:11 AM



**LEGEND**

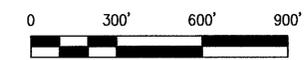
- EXISTING 25' CONTOUR
- EXISTING 5' CONTOUR
- PROPERTY LINE (PER REFERENCE 2)
- PHASE BOUNDARY
- CONCEPTUAL SEDIMENT BASIN LOCATION (FINAL LOCATION TO BE DETERMINED)
- PHASE IDENTIFICATION
- SUBPHASE AND SUB-SUBPHASE IDENTIFICATION

**NOTES:**

1. THIS BUFFER REPRESENTS A TYPE A BUFFER YARD AND A TRANSITIONAL BUFFER IN ACCORDANCE WITH WAKE COUNTY ZONING REQUIREMENTS. THIS 100-FOOT BUFFER ALSO INCLUDES, BUT DOES NOT SHOW, A 50-FOOT UNDISTURBED BUFFER ALSO PER WAKE COUNTY ZONING REQUIREMENTS.
2. ELEVATIONS REFERENCE U.S.G.S. VERTICAL DATUM (MSL).
3. GRID COORDINATES REFERENCE NC STATE PLANE SYSTEM (NAD 1983).

**REFERENCES:**

1. OVERALL SITE TOPOGRAPHY PREPARED BY SPATIAL DATA CONSULTANTS, INC., BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 2003.
2. THE PROPERTY LINE SHOWN REFERENCES DRAWING TITLED, "BOUNDARY SURVEY FOR WASTE INDUSTRIES, INC.", PREPARED BY SURVEY SOLUTIONS, P.C. DATED 12/27/00, SCALE 1"=400'.
3. CP&L POWERLINE/EASEMENT REFERENCES THE BOUNDARY SURVEY.



NO.	DATE	PHASE	REVISIONS
1	10/03	2	PHASE 1C REVISIONS

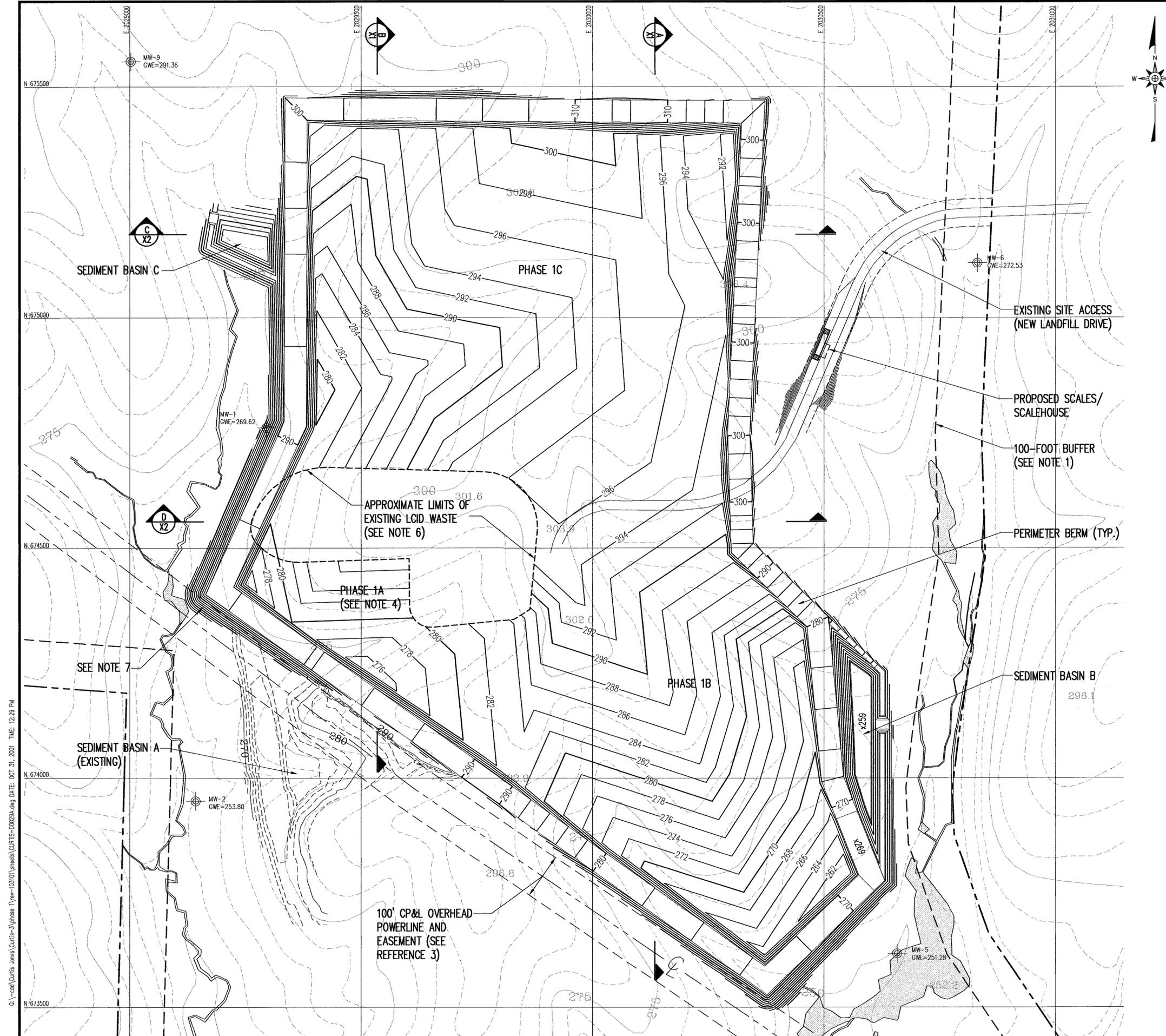
**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
 PHONE-919-828-0577 FAX-919-828-3899 WWW.GNRA.COM



PROJECT TITLE:  
**RED ROCK DISPOSAL, LLC  
 CONSTRUCTION/DEMOLITION  
 LANDFILL PHASE 1  
 WAKE COUNTY, NC**

DRAWING TITLE:  
**FACILITY PLAN  
 FINAL COVER GRADES**

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-D0023	
SHEET NO. 4	DRAWING NO. E3

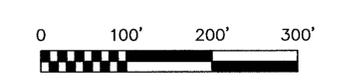


**LEGEND**

	EXISTING 25' CONTOUR
	EXISTING 5' CONTOUR
	PROPOSED SUBGRADE CONTOUR (BASE OF WASTE)
	PROPERTY LINE (PER REFERENCE 2)
	MONITORING WELLS INSTALLED BY THE HUTCHINSON GROUP, LTD. JULY-NOV. 2000
	EXISTING GROUND SURFACE ELEVATION AT THE TIME OF DRILLING
	DELINEATED WETLAND AREAS (PER REFERENCE 4)
	DELINEATED CHANNEL (PER REFERENCE 4)

- NOTES:**
- THIS BUFFER REPRESENTS A TYPE A BUFFER YARD AND A TRANSITIONAL BUFFER IN ACCORDANCE WITH WAKE COUNTY ZONING REQUIREMENTS. THIS 100-FOOT BUFFER ALSO INCLUDES, BUT DOES NOT SHOW, A 50-FOOT UNDISTURBED BUFFER ALSO PER WAKE COUNTY ZONING REQUIREMENTS.
  - ELEVATIONS REFERENCE U.S.G.S. VERTICAL DATUM (MSL).
  - GRID COORDINATES REFERENCE NC STATE PLANE SYSTEM (NAD 1983).
  - THE SUBGRADE ELEVATIONS IN PHASE 1A HAVE BEEN ESTABLISHED BASED ON A CONSERVATIVE ISOLATION DISTANCE ABOVE SEASONAL HIGH GROUND WATER LEVEL (I.E. 6 FEET).
  - SUBGRADE ELEVATION IN PHASE 1 (WITH THE EXCEPTION OF SUBCELL 1A) WILL BE ESTABLISHED AT A LATER DATE BASED ON FUTURE GROUND WATER LEVEL MEASUREMENTS. THE FINAL SUBGRADE IN THESE AREAS MAY VARY FROM THAT SHOWN HERE.
  - THE PHASE 1 C&D WASTE WILL LAY OVER THE EXISTING LOD WASTE.
  - CP&L APPROVAL WILL BE RECEIVED PRIOR TO PLACEMENT OF ANY SOIL OR WASTE MATERIAL WITHIN THE 100' UTILITY EASEMENT.

- REFERENCES:**
- TOPOGRAPHY REFERENCES WAKE COUNTY G.I.S.
  - THE PROPERTY LINE SHOWN REFERENCES DRAWING TITLED, "BOUNDARY SURVEY FOR WASTE INDUSTRIES, INC.", PREPARED BY SURVEY SOLUTIONS, P.C. DATED 12/27/00, SCALE 1"=40'.
  - CP&L POWERLINE EASEMENT REFERENCES THE BOUNDARY SURVEY.
  - DELINEATION PERFORMED BY SOIL & ENVIRONMENTAL CONSULTANTS, SURVEYED BY SURVEYING SOLUTIONS, P.C., DATED APRIL 2001.



NO.	DATE	REVISION
1	10/31/01	RELOCATED BASIN B AND REVISED PERIMETER BERM

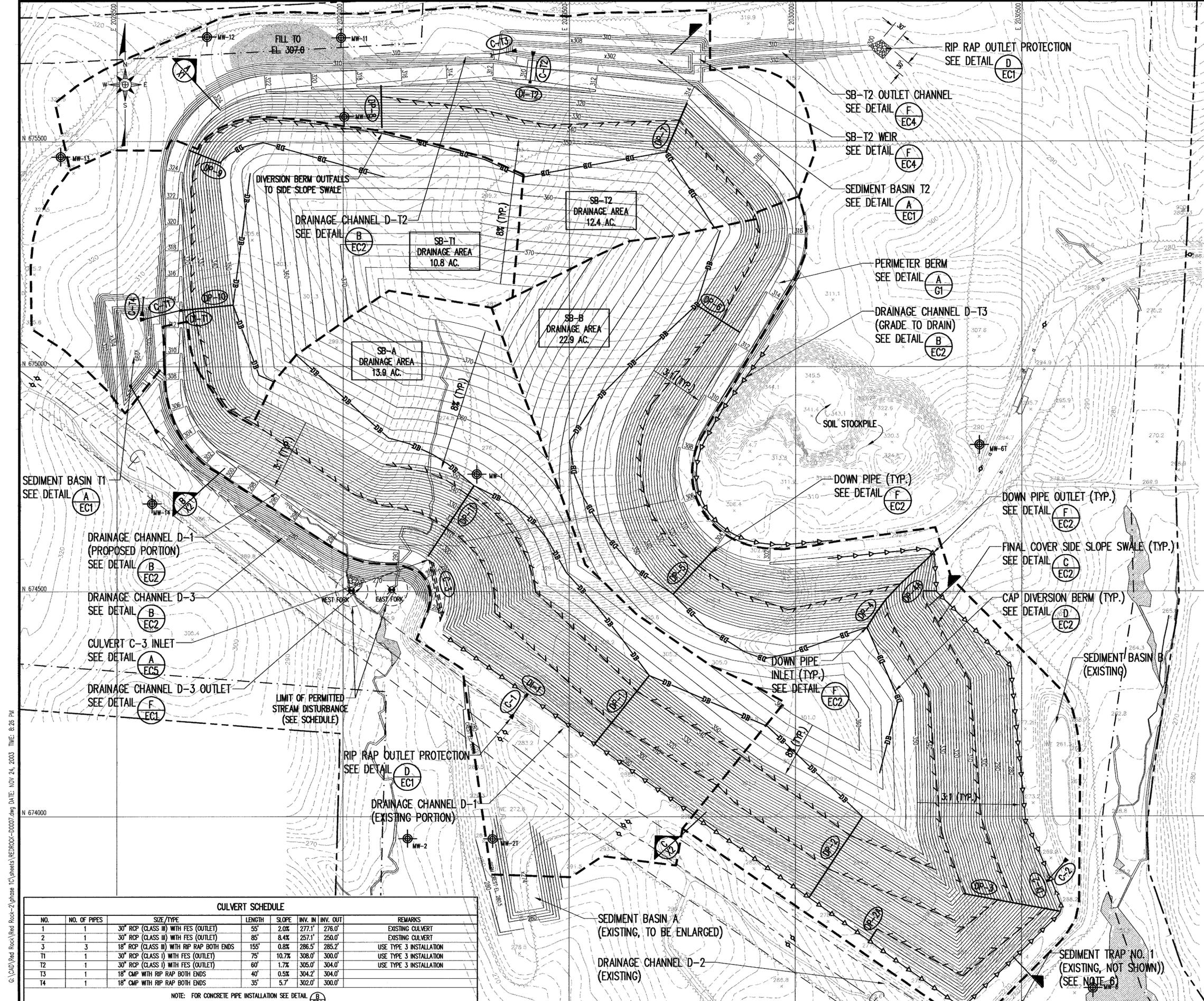
**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 425 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
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PROJECT TITLE: RED ROCK DISPOSAL, LLC CONSTRUCTION/DEMOLITION LANDFILL PHASE 1 WAKE COUNTY, NC

PHASE 1 SUBGRADE

DESIGNED BY: P.K.S.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: CURTIS-3
SCALE: AS SHOWN	DATE: MAY 2001
FILE NAME: CURTIS-D0029A	
SHEET NO.: 5	DRAWING NO.: E4

G:\\_cad\Curtis\jones\Curtis-3\phase 1\view\03101\sheet\CURTIS-D0029A.dwg DATE: OCT 31, 2001 TIME: 12:29 PM



**SCHEDULE OF LIMITS OF PERMITTED STREAM DISTURBANCE**

LOCATION	NORTHING	EASTING
WEST FORK	674502.30	2029018.22
EAST FORK	674504.17	2029107.27

NOTE: NO EARTH DISTURBANCE OR SEDIMENT DEPOSITION PERMITTED DOWN STREAM OF THESE POINTS.

**DOWN PIPE SCHEDULE**

NO.	SIZE
1	18"
2	18"
2A	18"
3	18"
4	18"
4A	18"
5	18"
6	18"
7	18"
8	18"
9	18"
10	18"
11	18"

**LEGEND**

- 300 — EXISTING 10' CONTOUR
- 280 --- EXISTING 2' CONTOUR
- - - 280 - - - PROPOSED CONTOUR (SEE NOTE 4)
- PROPERTY LINE (SEE REFERENCE 2)
- 100' BUFFER (SEE NOTE 1)
- ▨ DELINEATED WETLAND AREAS (SEE REFERENCE 4)
- ▨ DELINEATED CHANNEL (SEE REFERENCE 4)
- DRAINAGE AREA BOUNDARY
- - - SIDE SLOPE SWALE
- DRAINAGE CHANNEL
- DB CAP DIVERSION BERM
- DP-1 DOWN PIPE
- C-T1 DROP INLET/CULVERT
- MW-1 MONITORING WELL (SEE NOTE 7)
- PZ-2 PIEZOMETER

**NOTES:**

- THIS BUFFER REPRESENTS A TYPE A BUFFER YARD AND A TRANSITIONAL BUFFER IN ACCORDANCE WITH WAKE COUNTY ZONING REQUIREMENTS. THIS 100-FOOT BUFFER ALSO INCLUDES, BUT DOES NOT SHOW, A 50-FOOT UNDISTURBED BUFFER ALSO PER WAKE COUNTY ZONING REQUIREMENTS.
- ELEVATIONS REFERENCE U.S.G.S. VERTICAL DATUM (MSL).
- GRID COORDINATES REFERENCE NC STATE PLANE SYSTEM (NAD 1983).
- CONTOURS ON THE LANDFILL REPRESENT THE TOP OF FINAL COVER SURFACE. IN THE EVENT OF FUTURE MODER APPROVAL OF ADDITIONAL PHASES, THIS SURFACE REPRESENTS TOP OF INTERMEDIATE COVER SOIL.
- CP&M APPROVAL WILL BE RECEIVED PRIOR TO PLACEMENT OF ANY SOIL OR WASTE MATERIAL WITHIN THE 100' UTILITY EASEMENT.
- EXISTING SEDIMENT TRAP NO. 1 IS LOCATED OUTSIDE OF THE SOUTHEAST CORNER OF PHASE 1. REFER TO MAY 2001 PHASE 1 PERMIT TO CONSTRUCT DRAWINGS.
- MONITORING WELLS MW-1 AND MW-9 TO BE ABANDONED.
- REFER TO DRAWINGS EC-5, EC-6, AND EC-7 FOR SEQUENTIAL GRADING AND DRAINAGE WITHIN PHASE 1C.

**REFERENCES:**

- OVERALL SITE TOPOGRAPHY PREPARED BY SPATIAL DATA CONSULTANTS, INC., BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 2003.
- THE PROPERTY LINE SHOWN REFERENCE DRAWING TITLED, "BOUNDARY SURVEY FOR WASTE INDUSTRIES, INC.", PREPARED BY SURVEY SOLUTIONS, P.C. DATED 12/27/00, SCALE 1"=400'.
- CP&M POWERLINE/EASEMENT REFERENCE THE BOUNDARY SURVEY.
- DELINEATION PERFORMED BY SOIL & ENVIRONMENTAL CONSULTANTS, SURVEYED BY SURVEYING SOLUTIONS, P.C., DATED APRIL 2001 AND APPROVED BY THE US ARMY CORPS OF ENGINEERS MAY 10, 2001; ACTION I.D. #200120822.

**CULVERT SCHEDULE**

NO.	NO. OF PIPES	SIZE/TYP.	LENGTH	SLOPE	INV. IN	INV. OUT	REMARKS
1	1	30" RCP (CLASS III) WITH FES (OUTLET)	55'	2.0%	277.1'	276.0'	EXISTING CULVERT
2	1	30" RCP (CLASS III) WITH FES (OUTLET)	85'	8.4%	257.1'	250.0'	EXISTING CULVERT
3	3	18" RCP (CLASS III) WITH RIP RAP BOTH ENDS	155'	0.8%	286.5'	285.2'	USE TYPE 3 INSTALLATION
T1	1	30" RCP (CLASS I) WITH FES (OUTLET)	75'	10.7%	308.0'	300.0'	USE TYPE 3 INSTALLATION
T2	1	30" RCP (CLASS I) WITH FES (OUTLET)	60'	1.7%	305.0'	304.0'	USE TYPE 3 INSTALLATION
T3	1	18" CMP WITH RIP RAP BOTH ENDS	40'	0.5%	304.2'	304.0'	
T4	1	18" CMP WITH RIP RAP BOTH ENDS	35'	5.7%	302.0'	300.0'	

NOTE: FOR CONCRETE PIPE INSTALLATION SEE DETAIL B EC4

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 Engineering and Geological Services  
 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
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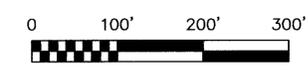


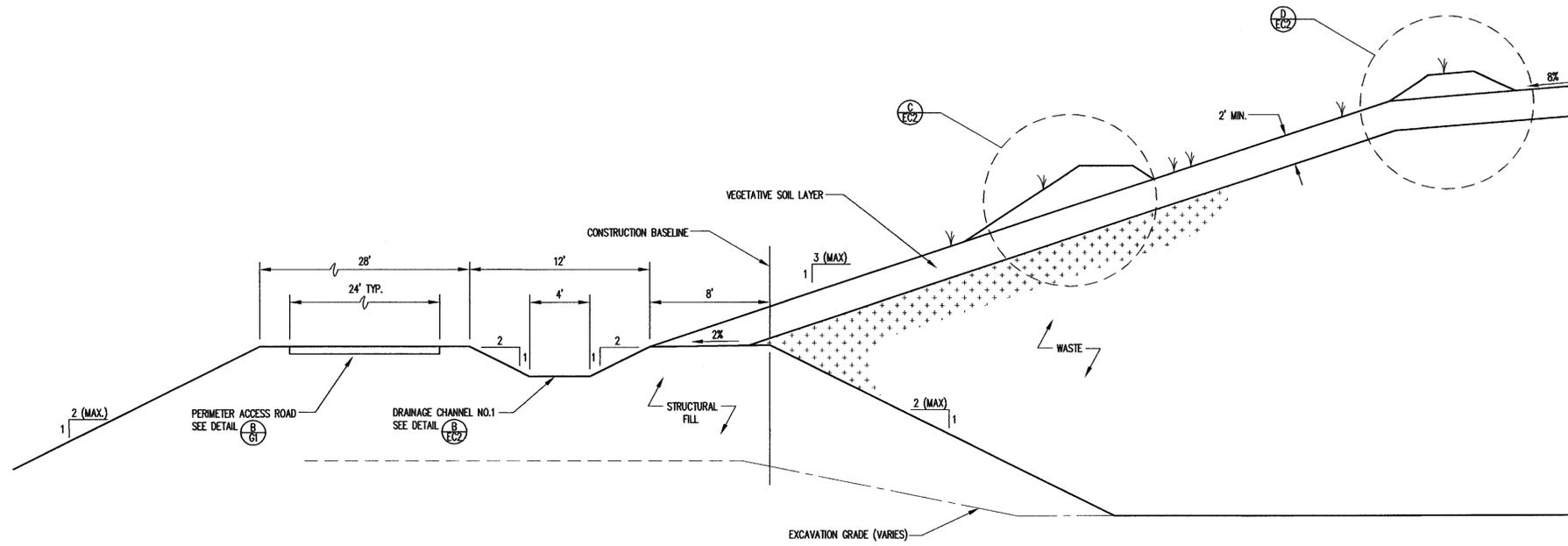
PROJECT TITLE:  
**RED ROCK DISPOSAL, LLC  
 CONSTRUCTION & DEMOLITION  
 LANDFILL PHASE 1  
 DRAINAGE PLAN**

PHASE 1 FINAL  
 GRADING AND  
 DRAINAGE PLAN

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-00007	SHEET NO.: 6
	DRAWING NO.: E5

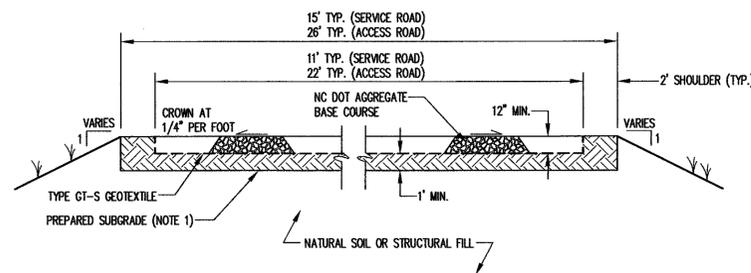
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PERIMETER BERM CROSS SECTION (TYP.)

DETAIL **A**  
SCALE: 1" = 5'



TYPICAL ROADWAY CROSS SECTION

DETAIL **A**  
SCALE: 1" = 5'

NOTE:  
1. IN FILL AREAS, PREPARED SUBGRADE IS EQUIVALENT TO STRUCTURAL FILL. FOR CUT AREAS, REMOVE AND REPLACE WITH STRUCTURAL FILL (SEE PROJECT SPECIFICATIONS).

REVISION	NO.	DATE

**G.N. RICHARDSON & ASSOCIATES, INC.**  
Engineering and Geological Services  
425 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
PHONE: 919-828-0577 FAX: 919-828-3899 WWW.GNRA.COM



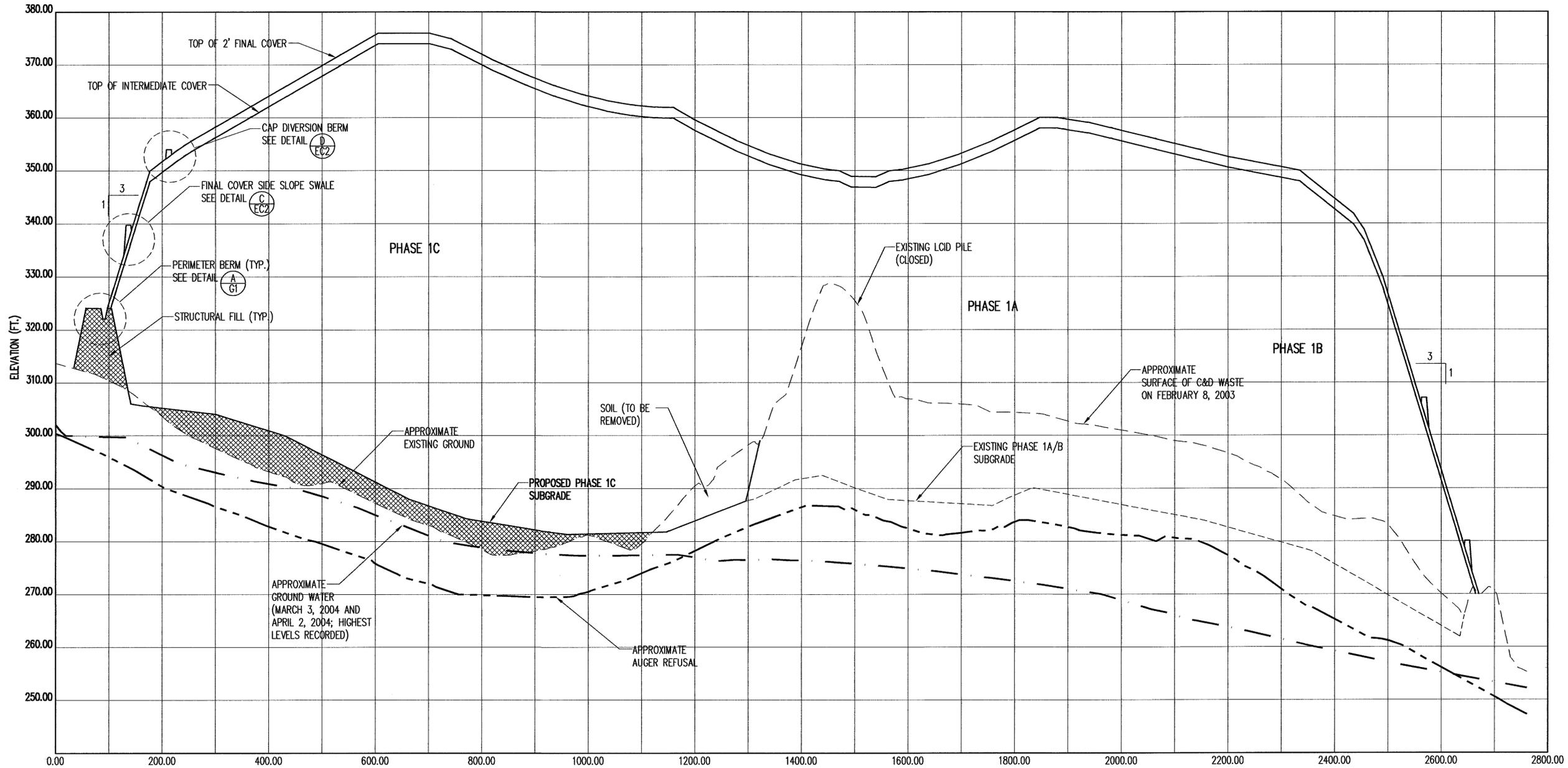
PROJECT TITLE:  
RED ROCK DISPOSAL, LLC  
CONSTRUCTION/DEMOLITION  
LANDFILL PHASE 1  
WAKE COUNTY, NC

PHASE 1 - DETAILS

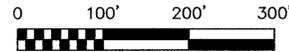
DESIGNED BY: P.K.S.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: CURTIS-3
SCALE: AS SHOWN	DATE: MAY 2001
FILE NAME: CURTIS-00031	DRAWING NO.:
SHEET NO. 7	DRAWING NO. G1

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SECTION A-A A  
X1



LEGEND

- EXISTING GROUND (SEE REFERENCE 1)
- PROPOSED GRADE
- APPROXIMATE BEDROCK SURFACE
- APPROXIMATE GROUND WATER SURFACE

REFERENCES:

1. OVERALL SITE TOPOGRAPHY PREPARED BY SPATIAL DATA CONSULTANTS, INC., BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 2003.

NO.	DATE	REVISION
1	10/03	PHASE 1C REVISIONS
2	4/04	GRADING REVISIONS; REVISED GROUND WATER LEVELS

**G.N. RICHARDSON & ASSOCIATES, INC.**  
Engineering and Geological Services

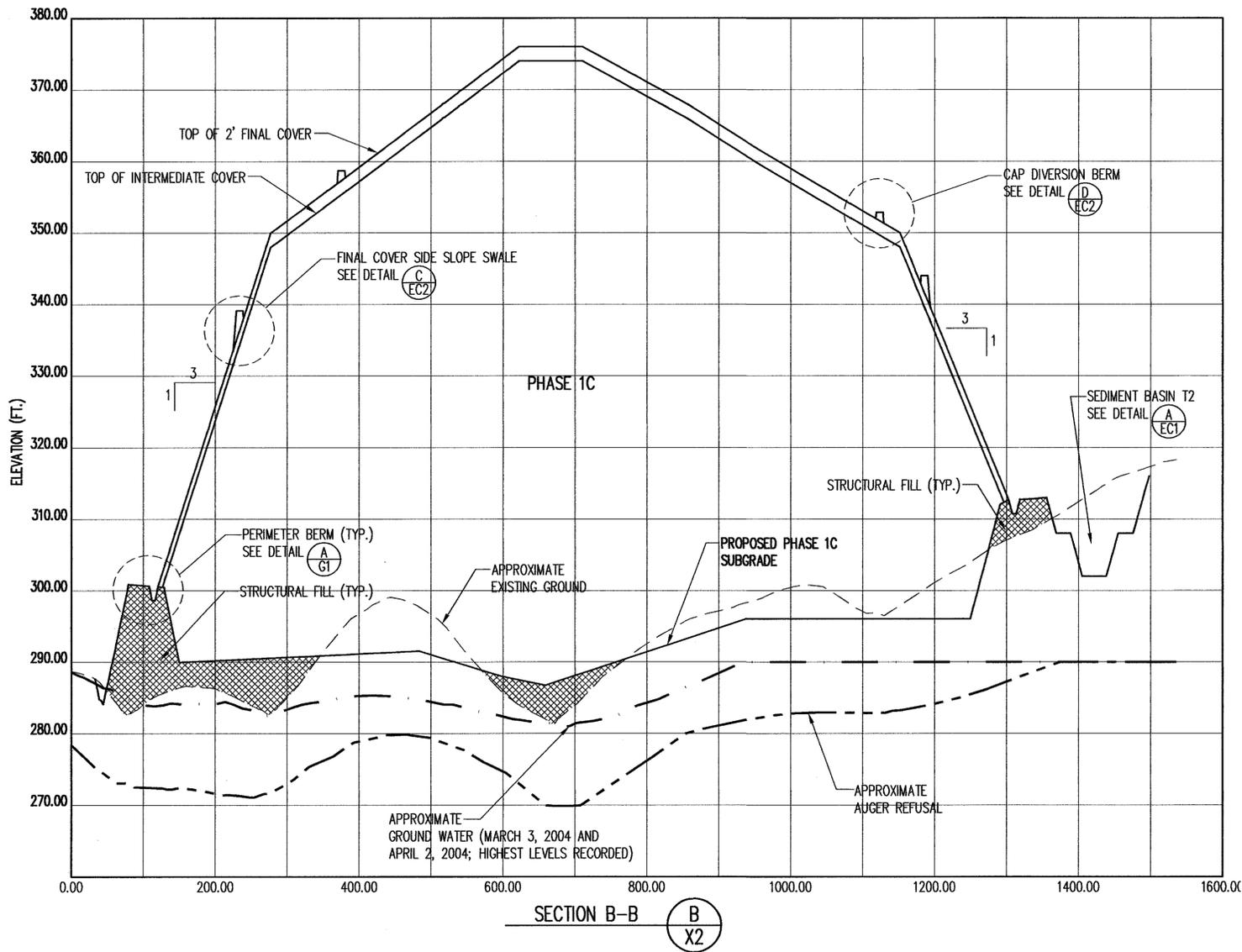
14 N. BOYLAN AVENUE    FAYLEIGH, N.C. 27603  
PHONE 919-828-0677    FAX 919-828-9889    WWW.GNRA.COM

PROJECT TITLE:  
RED ROCK DISPOSAL, LLC  
CONSTRUCTION/DEMOLITION  
LANDFILL PHASE 1  
WAKE COUNTY, NC

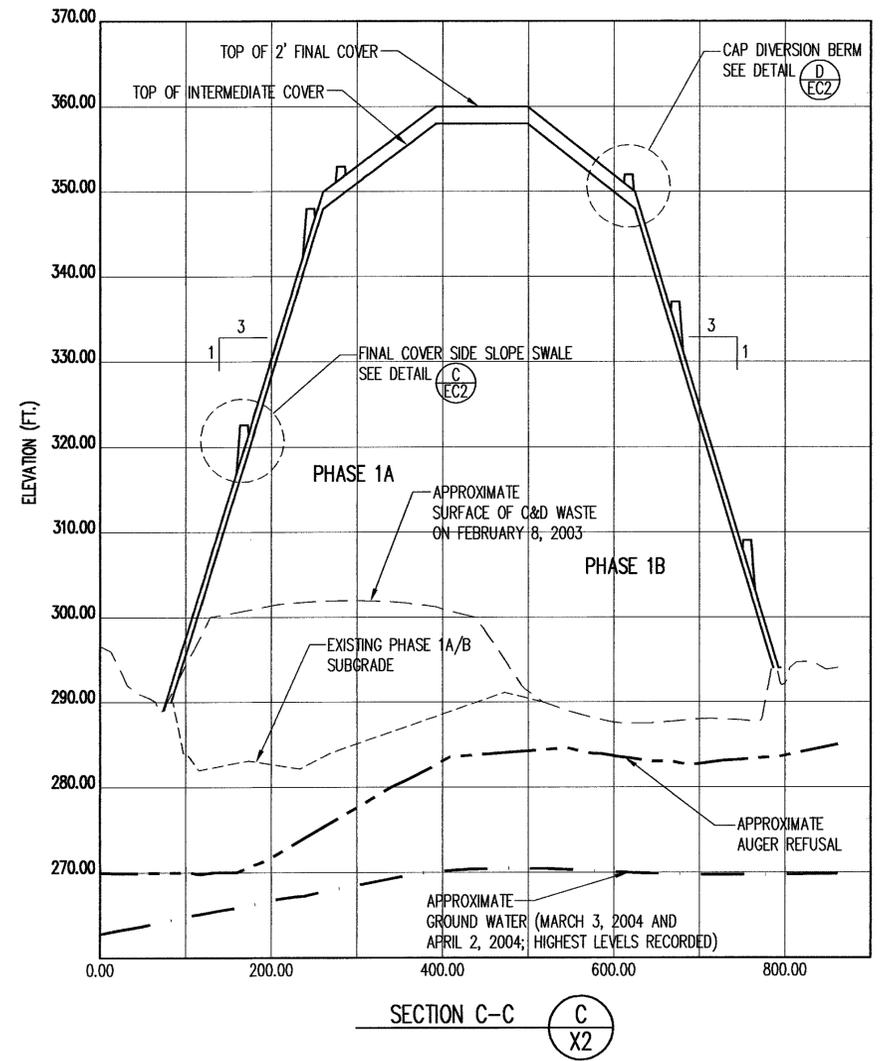
DRAWING TITLE:  
PHASE 1  
ENGINEERING CROSS SECTIONS  
(SHEET 1 OF 2)

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.C.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-00019A	DRAWING NO.:
SHEET NO.: 8	X1

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SECTION B-B (B X2)



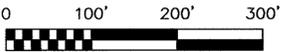
SECTION C-C (C X2)

LEGEND

- EXISTING GROUND (SEE REFERENCE 1)
- PROPOSED GRADE
- - - APPROXIMATE BEDROCK SURFACE
- - - - APPROXIMATE GROUND WATER SURFACE

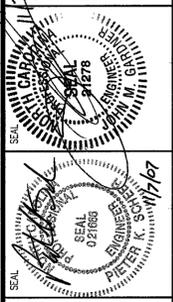
REFERENCES:

1. OVERALL SITE TOPOGRAPHY PREPARED BY SPATIAL DATA CONSULTANTS, INC., BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 2003.



NO.	DATE	REVISIONS
3	4/04	GRADING REVISIONS; REVISED GROUND WATER LEVELS
2	10/03	PHASE 1C REVISIONS

**G.N. RICHARDSON & ASSOCIATES, INC.**  
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 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
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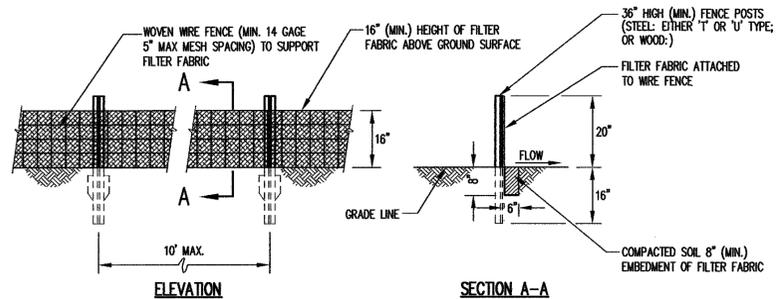


PROJECT TITLE:  
 RED ROCK DISPOSAL, LLC  
 CONSTRUCTION/DEMOLITION  
 LANDFILL PHASE 1  
 WAKE COUNTY, NC

DRAWING TITLE:  
 PHASE 1  
 ENGINEERING CROSS SECTIONS  
 (SHEET 2 OF 2)

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-D0020A	
SHEET NO.: 9	DRAWING NO.: X2

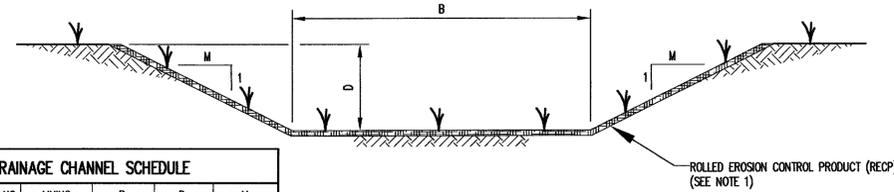




**SILT FENCE**  
**DETAIL A**  
 N.T.S. **EC2**

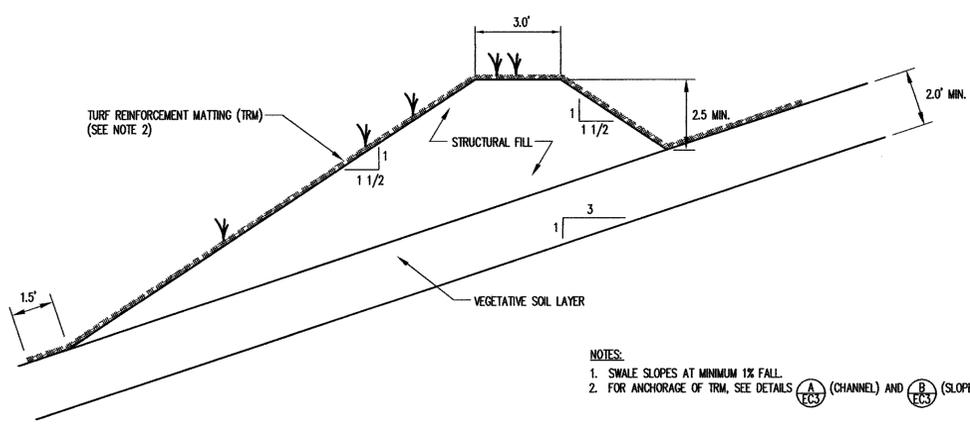
DRAINAGE CHANNEL SCHEDULE				
DRAINAGE CHANNEL NO.	LINING	B	D	M
D-1	TRM*	4.0'	2.0'	2
D-2	TRM	0'	1.5'	2
D-3	TRM	4.0'	2.0'	2
D-T1	TRM	4.0'	2.0' MIN	2
D-T2	GRASS	3.0'	1.0' - 2.0'	2
D-T3	GRASS	0'	1.5'	2
SED. BASIN T1 OUTLET	TRM	4.0'	2.0'	2
SED. BASIN T2 OUTLET	TRM	4.0'	2.0'	2

\*TRM = TURF REINFORCEMENT MATTING



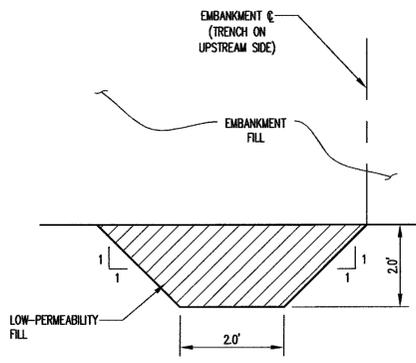
**RECIP LINED CHANNELS**  
**DRAINAGE CHANNEL DETAILS**  
**DETAIL B**  
 N.T.S. **EC2**

NOTES:  
 1. FOR ANCHORAGE OF RECIP, SEE DETAIL A  
 2. WHERE DEPTH OF CUT TO CHANNEL BOTTOM EXCEEDS 'D', INSTALL TRM TO HEIGHT 'D' ABOVE CHANNEL BOTTOM.

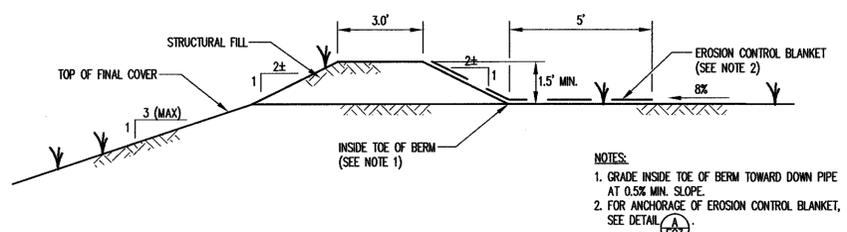


**FINAL COVER - SIDE SLOPE SWALE**  
**DETAIL C**  
 SCALE 1"=3'-0" **EC2**

NOTES:  
 1. SWALE SLOPES AT MINIMUM 1% FALL.  
 2. FOR ANCHORAGE OF TRM, SEE DETAILS A (CHANNEL) AND B (SLOPE).

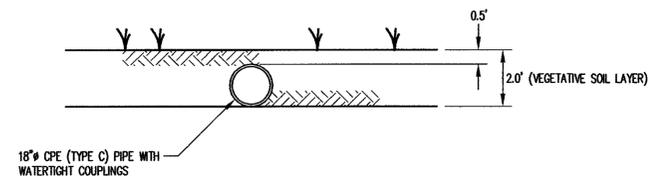


**CUTOFF TRENCH**  
**DETAIL G**  
 N.T.S. **EC2**

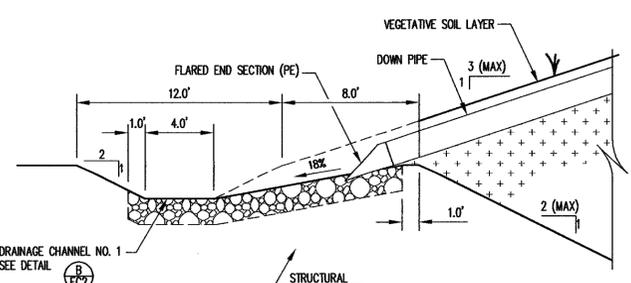


**CAP DIVERSION BERM**  
**DETAIL D**  
 SCALE 1"=3' **EC2**

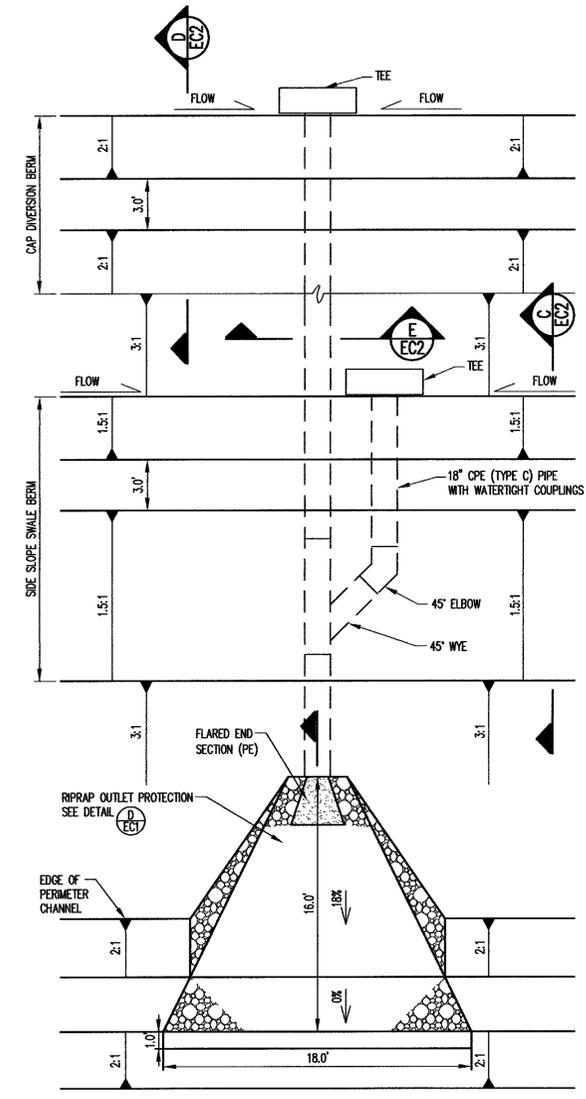
NOTES:  
 1. GRADE INSIDE TOE OF BERM TOWARD DOWN PIPE AT 0.5% MIN. SLOPE.  
 2. FOR ANCHORAGE OF EROSION CONTROL BLANKET, SEE DETAIL A



**DOWN PIPE ON SLOPE**  
**DETAIL E**  
 SCALE 1"=3' **EC2**



**DOWN PIPE OUTLET**  
**DETAIL H**  
 SCALE 1"=5' **EC2**



**DOWN PIPE INLETS AND OUTLET**  
**DETAIL F**  
 SCALE 1"=5' **EC2**

C:\CAD\Red Rock\Red Rock-2\phase 1\sheet\REDROCK-D0011.dwg DATE: NOV 20, 2003 TIME: 2:22 PM

NO.	DATE	PHASE	REVISIONS
1	10/03	2	PHASE 1C REVISIONS

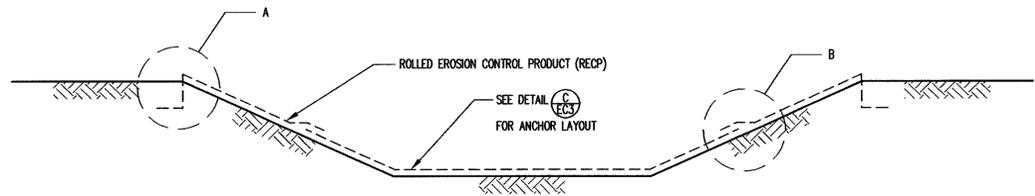
**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
 PHONE-919-828-0577 FAX-919-828-3899 WWW.GNRA.COM



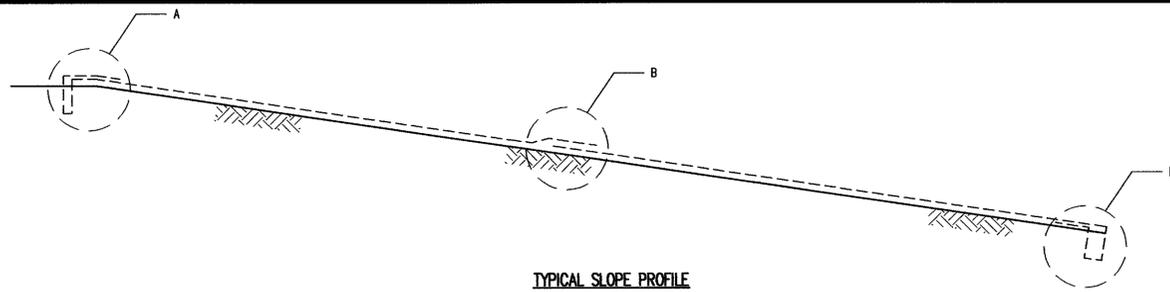
PROJECT TITLE:  
**RED ROCK DISPOSAL, LLC  
 CONSTRUCTION/DEMOLITION  
 LANDFILL PHASE 1  
 WAKE COUNTY, NC**

BRANNING TITLE:  
**PHASE 1 - EROSION &  
 SEDIMENTATION CONTROL  
 DETAILS (SHEET 2 OF 5)**

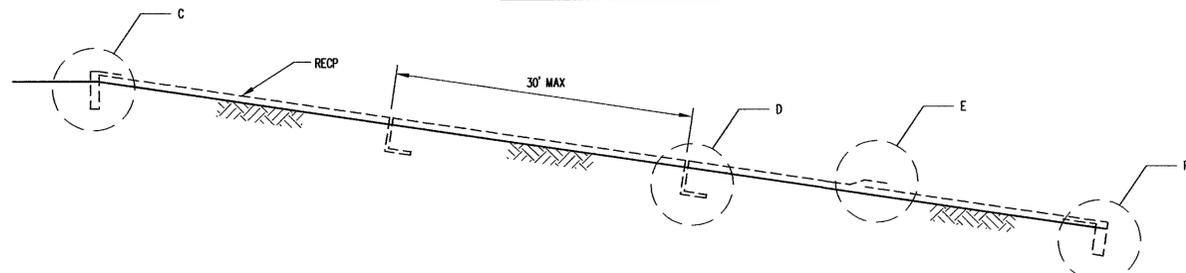
DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-D0011	DRAWING NO.:
SHEET NO. 11	<b>EC2</b>



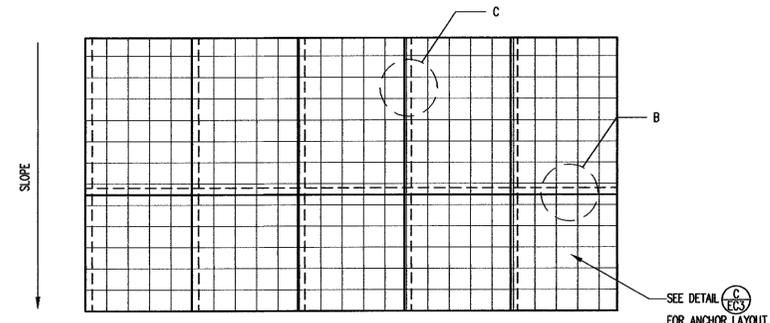
TYPICAL CHANNEL CROSS SECTION



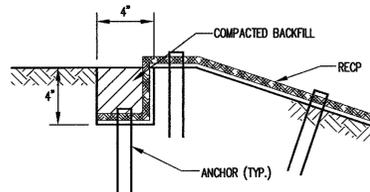
TYPICAL SLOPE PROFILE



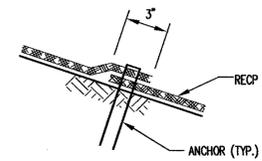
TYPICAL CHANNEL PROFILE



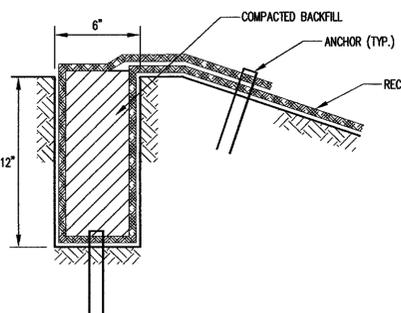
TYPICAL SLOPE PLAN VIEW



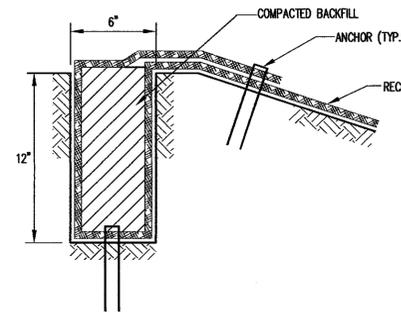
A. LONGITUDINAL ANCHOR TRENCH



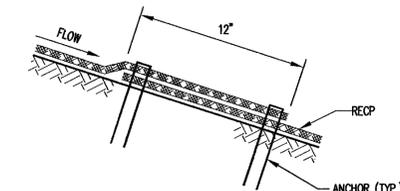
B. OVERLAP AT ADJACENT EDGES



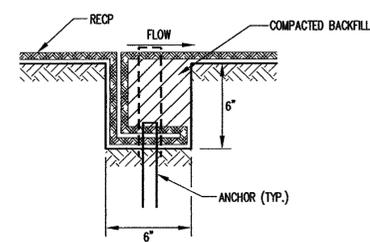
C. UPSTREAM TERMINAL ANCHOR TRENCH



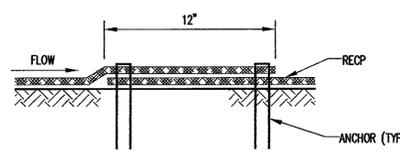
A. UPSLOPE TERMINAL ANCHOR TRENCH



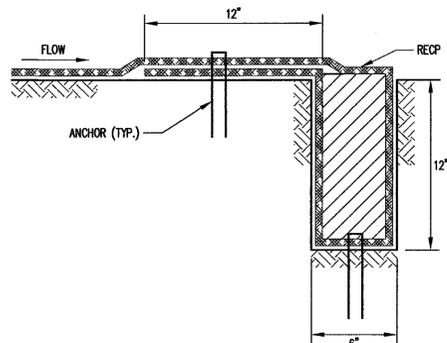
B. OVERLAP AT ROLL ENDS



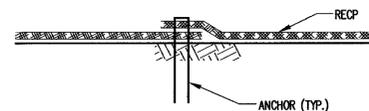
D. INTERMITTENT CHECK SLOT



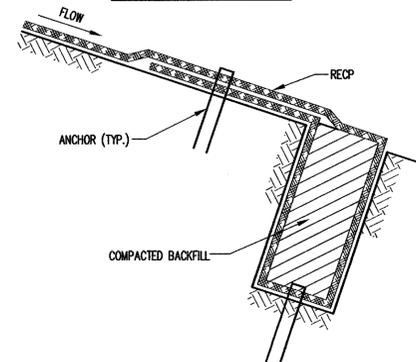
E. OVERLAP AT ROLL ENDS



C. DOWNSTREAM TERMINAL ANCHOR TRENCH



C. OVERLAP AT ADJACENT EDGES

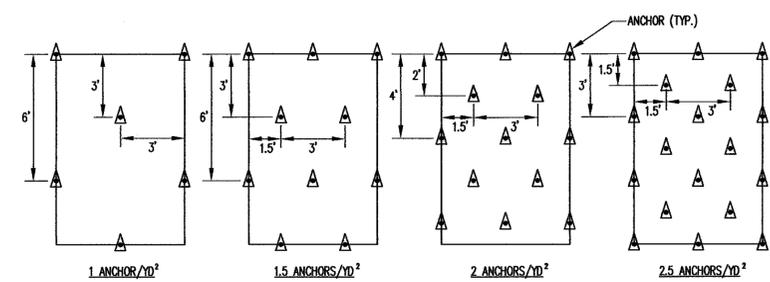


D. DOWNSLOPE TERMINAL ANCHOR TRENCH

NOTES:  
1. PLACE ANCHORS AT ANCHOR TRENCHES, OVERLAPS, AND CHECK SLOTS ON 1 FOOT CENTERS.  
IF APPLICABLE, STAGGER ANCHOR SPACING BETWEEN MULTIPLE ROWS OF ANCHORS.

INSTALLATION OF ROLLED EROSION CONTROL PRODUCTS (CHANNELS)

DETAIL A  
N.T.S. EC3



ANCHOR LAYOUT

DETAIL C  
N.T.S. EC3

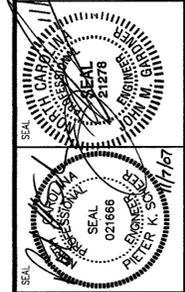
INSTALLATION OF ROLLED EROSION CONTROL PRODUCTS (SLOPES)

DETAIL B  
N.T.S. EC3

ANCHOR SPACING SCHEDULE	
LOCATION	REQUIRED ANCHOR SPACING (ANCHORS/10 <sup>2</sup> )
ALL CHANNELS	2.5
1.5H:1V SLOPES	2.0
2H:1V SLOPES	2.0
2.5H:1V SLOPES	1.5
3H:1V SLOPES	1.5
3.5H:1V SLOPES	1.0
4H:1V SLOPES	1.0

G:\-cad\Curtis Jones\Projects\1\sheet3\curtis-00039.dwg DATE: MAY 18, 2001 TIME: 5:02 PM

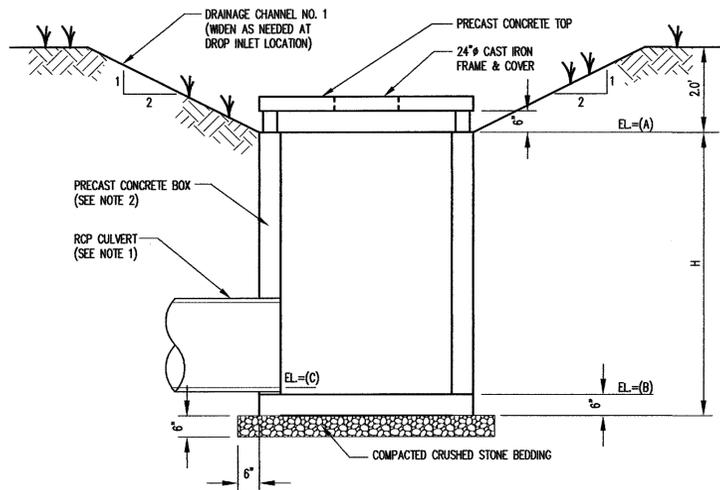
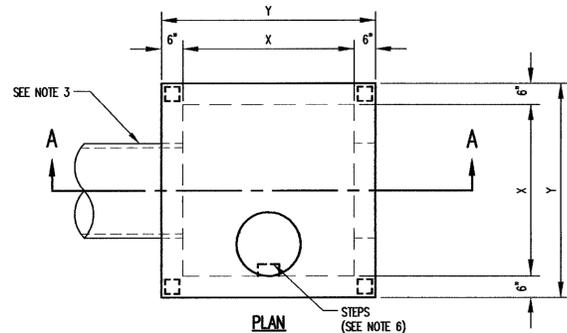
**G.N. RICHARDSON & ASSOCIATES, INC.**  
Engineering and Geological Services  
425 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
PHONE-919-828-0577 FAX-919-828-3889 WWW.GNRA.COM



PROJECT TITLE:  
RED ROCK DISPOSAL, LLC  
CONSTRUCTION/DEMOLITION  
LANDFILL PHASE 1  
WAKE COUNTY, NC

BRWING TITLE:  
PHASE 1 - EROSION &  
SEDIMENTATION CONTROL  
DETAILS (SHEET 3 OF 4)

DESIGNED BY: P.K.S.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: CURTIS-3
SCALE: AS SHOWN	DATE: MAY 2001
FILE NAME: CURTIS-D0039	DRAWING NO.:
SHEET NO. 12	EC3



SECTION A-A

DROP INLET

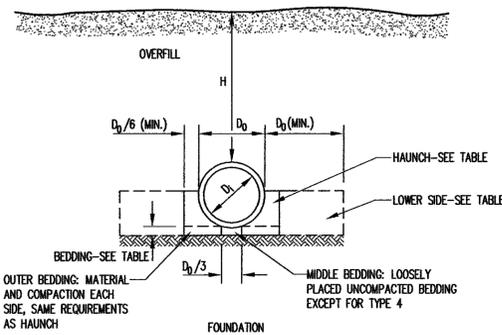


DETAIL A EC4

DROP INLET SCHEDULE							
DROP INLET	CULVERT #	X	Y	A	B	C	H
1	30"	4.0'	5.0'	281.8'	276.8'	277.1'	5.5'
2	30"	4.0'	5.0'	261.8'	256.8'	257.1'	5.5'
T1	30"	4.0'	5.0'	311.7'	307.7'	308.0'	4.5'
T2	30"	4.0'	5.0'	307.7'	303.7'	304.0'	4.5'

NOTES:

1. PROVIDE WATERTIGHT JOINTS ON ALL PIPING.
2. PRECAST CONCRETE BOXES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
  - A. CONCRETE: COMPRESSIVE STRENGTH 4000 PSI
  - B. REINFORCING: ASTM A-615, GRADE 60
  - C. MEETS H-20 LOADING.
3. PIPES MAY BE ORIENTED DIFFERENTLY WITH RESPECT TO THE CHANNEL THAN DISPLAYED HERE. SEE DRAWING E5 FOR PROPER ORIENTATION.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION FROM SEDIMENTATION FOR ALL DROP INLETS USING GRAVEL AND WIRE MESH FILTERS OR OTHER METHOD AS APPROVED BY THE ENGINEER.
5. PROVIDE STEPS FOR DROP INLETS WITH H>4.5'. STEPS SHALL HAVE A 16" SPACING THE FULL HEIGHT OF THE DROP INLET. START FIRST STEP 6" BELOW TOP.



STANDARD EMBANKMENT INSTALLATIONS FOR CONCRETE PIPE (BASED ON AMERICAN CONCRETE PIPE ASSOCIATION RECOMMENDATIONS)

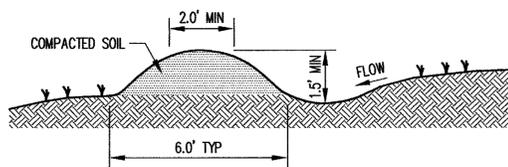


DETAIL B EC4

STANDARD EMBANKMENT INSTALLATION SOILS AND MINIMUM COMPACTION REQUIREMENTS			
INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	D <sub>0</sub> /24"(600mm) MINIMUM, NOT LESS THAN 3"(75mm). IF ROCK FOUNDATION, USE D <sub>0</sub> /12"(300mm) MINIMUM, NOT LESS THAN 6"(150mm).	95% SW, SP, GW, GP	90% SW, SP, GW, GP; 95% ML, SM, GM OR GC, SC WITH <20% PASSING NO.200 SIEVE; OR 100% CL, MH, SC, GC, CH.
TYPE 2	D <sub>0</sub> /24"(600mm) MINIMUM, NOT LESS THAN 3"(75mm). IF ROCK FOUNDATION, USE D <sub>0</sub> /12"(300mm) MINIMUM, NOT LESS THAN 6"(150mm).	90% SW, SP, GW, GP; OR 95% ML, SM, GM OR GC, SC WITH <20% PASSING NO.200 SIEVE	85% SW, SP, GW, GP; 90% ML, SM, GM OR GC, SC WITH <20% PASSING NO.200 SIEVE; OR 95% CL, MH, SC, GC, CH.
TYPE 3	D <sub>0</sub> /24"(600mm) MINIMUM, NOT LESS THAN 3"(75mm). IF ROCK FOUNDATION, USE D <sub>0</sub> /12"(300mm) MINIMUM, NOT LESS THAN 6"(150mm).	85% SW, SP, GW, GP; 90% ML, SM, GM OR GC, SC WITH <20% PASSING NO.200 SIEVE; OR 95% CL, MH, SC, GC, CH	85% SW, SP, GW, GP; 90% ML, SM, GM OR GC, SC WITH <20% PASSING NO.200 SIEVE; OR 95% CL, MH, SC, GC, CH
TYPE 4	NO BEDDING REQUIRED, EXCEPT IF ROCK FOUNDATION, USE D <sub>0</sub> /12"(300mm) MINIMUM, NOT LESS THAN 6"(150mm).	NO COMPACTION REQUIRED, EXCEPT IF CL, MH, SC, GC, CH USE 85%	NO COMPACTION REQUIRED, EXCEPT IF CL, MH, SC, GC, CH USE 85%

NOTES:

1. COMPACTION AND SOIL SYMBOLS (95% SW) REFER TO SW SOIL MATERIAL (USCS CLASSIFICATION) WITH A MINIMUM STANDARD PROCTOR COMPACTION (ASTM D 699) OF 95%.
2. SOIL IN THE OUTER BEDDING, HAUNCH, AND LOWER SIDE ZONES, EXCEPT WITHIN D<sub>0</sub>/3 FROM THE PIPE SPRINGLINE, SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS THE MAJORITY OF THE SOIL IN THE OVERFILL ZONE.
3. SUBTRENCHES:
  - 3.1 A SUBTRENCH IS DEFINED AS A TRENCH WITH ITS TOP BELOW FINISHED GRADE BY MORE THAN 0.1H OR, FOR ROADWAYS, ITS TOP IS AT AN ELEVATION LOWER THAN 1'(0.3m) BELOW THE BOTTOM OF THE PAVEMENT BASE MATERIAL.
  - 3.2 THE MINIMUM WIDTH OF A SUBTRENCH SHALL BE 1.33 D<sub>0</sub>, OR WIDER IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
  - 3.3 FOR SUBTRENCHES WITH WALLS OF NATURAL SOIL, ANY PORTION OF THE LOWER SIDE ZONE IN THE SUBTRENCH WALL SHALL BE AT LEAST AS FIRM AS AN EQUIVALENT SOIL PLACED TO THE COMPACTION REQUIREMENTS SPECIFIED FOR THE LOWER SIDE ZONE AND AS FIRM AS THE MAJORITY OF THE SOIL IN THE OVERFILL ZONE, OR SHALL BE REMOVED AND REPLACED WITH SOIL COMPACTED TO THE SPECIFIED LEVEL.

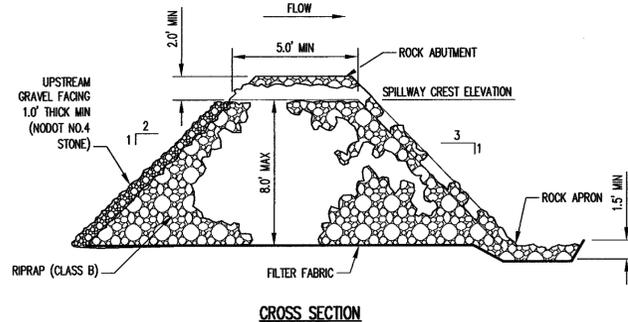


TEMPORARY DIVERSION

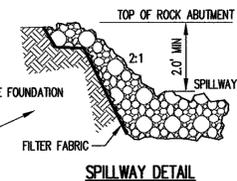


DETAIL D EC4

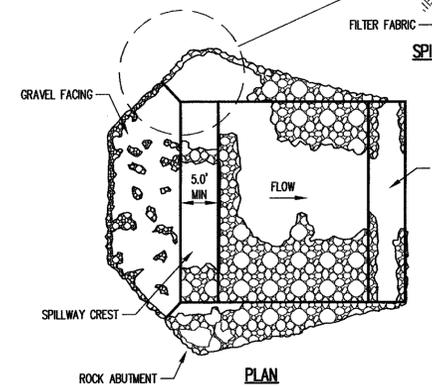
- NOTES:
1. THIS DETAIL APPLIES TO DIVERSION BERMS FOR WHICH CONTOURS ARE NOT SHOWN. CONTOURED DIVERSION BERMS HAVE A MINIMUM HEIGHT OF 2.0' AND CREST WIDTH OF 4.0'.



CROSS SECTION

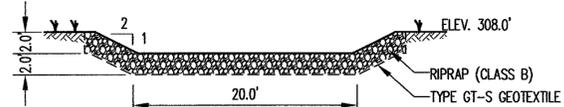


SPILLWAY DETAIL



PLAN

ROCK DAM GEOMETRY	
DESCRIPTION	VALUE
UPSTREAM SLOPE	2:1
DOWNSLOPE SLOPE	3:1
APRON WIDTH	6'
SOIL ABUTMENTS:	
CREST ELEVATION	276' MSL
CREST WIDTH	5'
ROCK FILL:	
CREST ELEVATION	274' MSL
CREST WIDTH	15'
WEIR LENGTH	20'

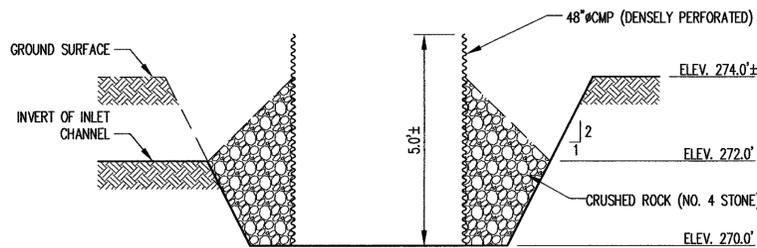


SB-T2 WEIR



DETAIL F EC4

- NOTES:
1. PLACE A 1 FOOT THICKNESS OF NODOT NO. 4 STONE ON UPSTREAM FACE OF RIPRAP.
  2. CONSTRUCT 6 FOOT WIDE RIPRAP APRON AT DOWNSTREAM EDGE OF WEIR AS SHOWN IN DETAIL C/EC4.



TEMPORARY PUMP STATION



DETAIL E EC4

ROCK DAM



DETAIL C EC4

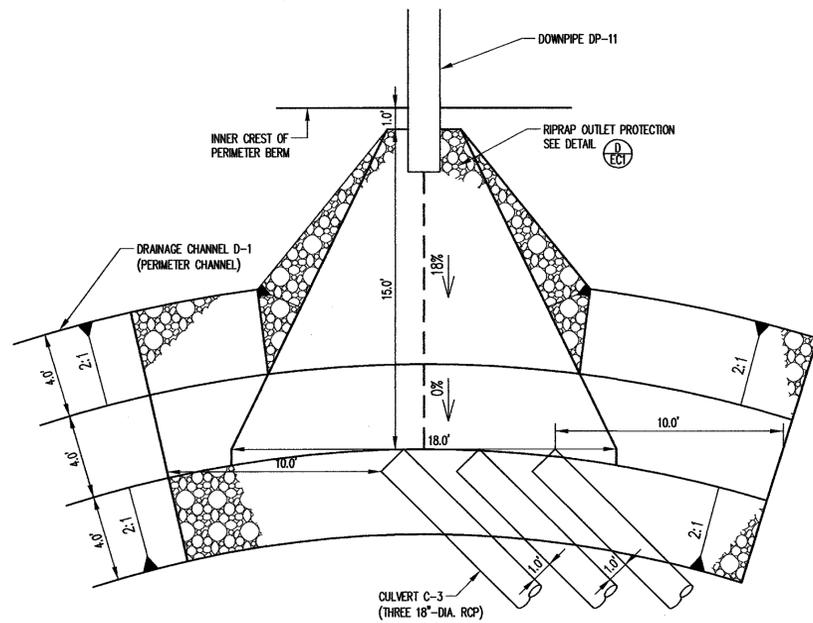
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REVISIONS  
 NO. DATE  
 1 10/03  
 2  
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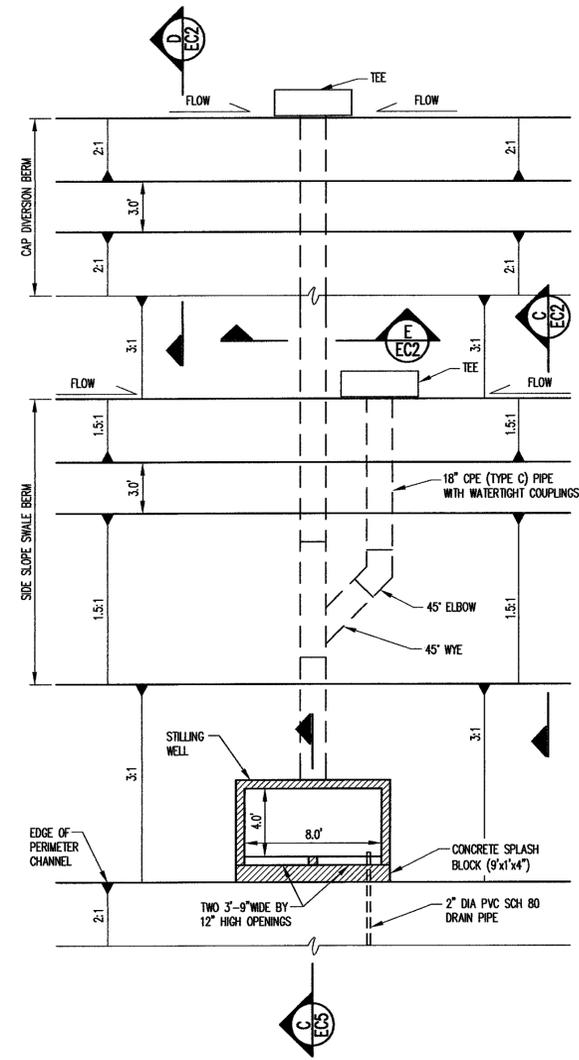
PROJECT TITLE:  
 RED ROCK DISPOSAL, LLC  
 CONSTRUCTION/DEMOLITION  
 LANDFILL PHASE 1  
 WAKE COUNTY, NC

DRAWING TITLE:  
 PHASE 1 - EROSION &  
 SEDIMENTATION CONTROL  
 DETAILS (SHEET 4 OF 5)

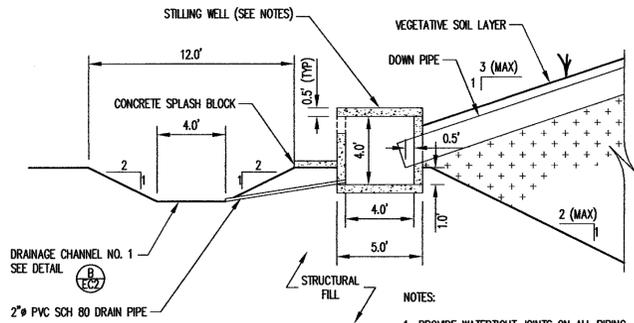
DESIGNED BY: T.B.M.  
 DRAWN BY: C.T.J.  
 CHECKED BY: J.M.G.  
 PROJECT NO.: RED ROCK-2  
 SCALE: AS SHOWN  
 DATE: OCT. 2003  
 FILE NAME: REDROCK-D0012  
 SHEET NO.: 13  
 DRAWING NO.: EC4



CULVERT C-3 INLET  
 DETAIL A  
 SCALE 1"=4' EC5



DOWN PIPE WITH STILLING WELL ALTERNATE  
 DETAIL B  
 SCALE 1"=5' EC5



STILLING WELL ALTERNATE  
 DETAIL C  
 SCALE 1"=5' EC5

- NOTES:
1. PROVIDE WATERTIGHT JOINTS ON ALL PIPING.
  2. PRECAST CONCRETE BOXES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:  
 A. CONCRETE: COMPRESSIVE STRENGTH 4000 PSI  
 B. REINFORCING: ASTM A-615, GRADE 60  
 C. MEETS H-20 LOADING.
  3. PIPES MAY BE ORIENTED DIFFERENTLY WITH RESPECT TO THE CHANNEL THAN DISPLAYED HERE. SEE DRAWING E5 FOR PROPER ORIENTATION.

NO.	DATE	REASON
1	10/03	PHASE 1C REVISIONS
2		

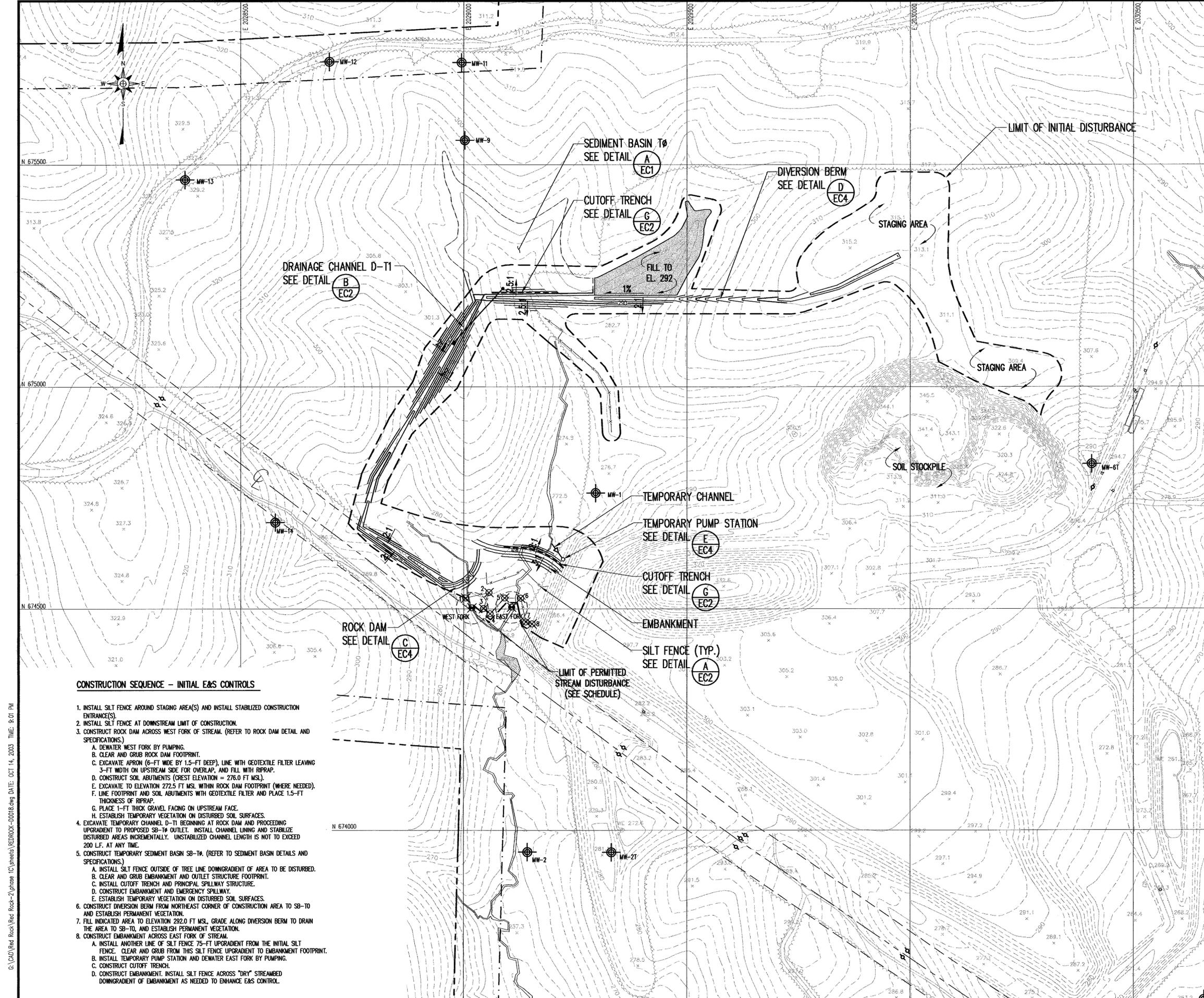
**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
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PROJECT TITLE:  
 RED ROCK DISPOSAL, LLC  
 CONSTRUCTION/DEMOLITION  
 LANDFILL PHASE 1  
 WAKE COUNTY, NC

DRAWING TITLE:  
 PHASE 1 - EROSION &  
 SEDIMENTATION CONTROL  
 DETAILS (SHEET 5 OF 5)

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-D0025	
SHEET NO. 14	DRAWING NO. EC5



**SCHEDULE OF LIMITS OF PERMITTED STREAM DISTURBANCE**

LOCATION	NORTHING	EASTING
WEST FORK	674502.30	2029018.22
EAST FORK	674504.17	2029107.27

NOTE: NO EARTH DISTURBANCE OR SEDIMENT DEPOSITION PERMITTED DOWN STREAM OF THESE POINTS.

**SCHEDULE OF CONTROL POINTS FOR SILT FENCE NEAR LIMITS OF STREAM DISTURBANCE**

CONTROL POINT NUMBER	NORTHING	EASTING
1	674524.49	2029004.56
2	674536.89	2029056.52
3	674500.62	2029044.34
4	674489.34	2029058.78
5	674524.64	2029091.50
6	674524.21	2029127.70
7	674470.60	2029139.04
8	674466.24	2029153.00

NOTE: THE LOCATION OF THE SILT FENCE WAS SELECTED TO PROVIDE APPROXIMATELY 20-FOOT OF UNDISTURBED BUFFER UPSTREAM OF THE LIMITS OF PERMITTED STREAM DISTURBANCE.

**LEGEND**

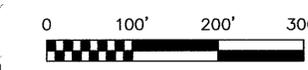
- 300 --- EXISTING 10' CONTOUR
- 280 --- EXISTING 2' CONTOUR
- 280 --- PROPOSED SUBGRADE CONTOUR (BASE OF WASTE) (SEE NOTE 4)
- x x x x --- SILT FENCE
- --- LIMIT OF DISTURBANCE
- --- PROPERTY LINE (SEE REFERENCE 2)
- --- 100' BUFFER (SEE NOTE 1)
- --- DELINEATED WETLAND AREAS (SEE REFERENCE 4)
- --- DELINEATED CHANNEL (SEE REFERENCE 4)
- ⊙ MW-1 MONITORING WELL (SEE NOTE 7)
- ⊙ PZ-2 PIEZOMETER

**NOTES:**

1. THIS BUFFER REPRESENTS A TYPE A BUFFER YARD AND A TRANSITIONAL BUFFER IN ACCORDANCE WITH WAKE COUNTY ZONING REQUIREMENTS. THIS 100-FOOT BUFFER ALSO INCLUDES, BUT DOES NOT SHOW, A 50-FOOT UNDISTURBED BUFFER ALSO PER WAKE COUNTY ZONING REQUIREMENTS.
2. ELEVATIONS REFERENCE U.S.G.S. VERTICAL DATUM (MSL).
3. GRID COORDINATES REFERENCE NC STATE PLANE SYSTEM (NAD 1983).
4. THE SUBGRADE ELEVATIONS IN PHASE 1C HAVE BEEN ESTABLISHED BASED ON A CONSERVATIVE ISOLATION DISTANCE ABOVE SEASONAL HIGH GROUND WATER LEVEL (I.E. 6 FEET).
6. CP&I APPROVAL WILL BE RECEIVED PRIOR TO PLACEMENT OF ANY SOIL OR WASTE MATERIAL WITHIN THE 100' UTILITY EASEMENT.
7. MONITORING WELLS MW-1 AND MW-9 TO BE ABANDONED.

**REFERENCES:**

1. OVERALL SITE TOPOGRAPHY PREPARED BY SPATIAL DATA CONSULTANTS, INC. BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 2003.
2. THE PROPERTY LINE SHOWN REFERENCES DRAWING TITLED, "BOUNDARY SURVEY FOR WASTE INDUSTRIES, INC.", PREPARED BY SURVEY SOLUTIONS, P.C. DATED 12/27/00, SCALE 1"=400'.
3. CP&I POWERLINE/EASEMENT REFERENCES THE BOUNDARY SURVEY.
4. DELINEATION PERFORMED BY SOIL & ENVIRONMENTAL CONSULTANTS; SURVEYED BY SURVEYING SOLUTIONS, P.C., DATED APRIL 2001.



**CONSTRUCTION SEQUENCE - INITIAL E&S CONTROLS**

1. INSTALL SILT FENCE AROUND STAGING AREA(S) AND INSTALL STABILIZED CONSTRUCTION ENTRANCE(S).
2. INSTALL SILT FENCE AT DOWNSTREAM LIMIT OF CONSTRUCTION.
3. CONSTRUCT ROCK DAM ACROSS WEST FORK OF STREAM. (REFER TO ROCK DAM DETAIL AND SPECIFICATIONS)
  - A. DEWATER WEST FORK BY PUMPING.
  - B. CLEAR AND GRUB ROCK DAM FOOTPRINT.
  - C. EXCAVATE APRON (6-FT WIDE BY 1.5-FT DEEP), LINE WITH GEOTEXTILE FILTER LEAVING 3-FT WIDTH ON UPSTREAM SIDE FOR OVERLAP, AND FILL WITH RIPRAP.
  - D. CONSTRUCT SOIL ABUTMENTS (GREST ELEVATION = 276.0 FT MSL).
  - E. EXCAVATE TO ELEVATION 272.5 FT MSL WITHIN ROCK DAM FOOTPRINT (WHERE NEEDED).
  - F. LINE FOOTPRINT AND SOIL ABUTMENTS WITH GEOTEXTILE FILTER AND PLACE 1.5-FT THICKNESS OF RIPRAP.
  - G. PLACE 1-FT THICK GRAVEL FACING ON UPSTREAM FACE.
  - H. ESTABLISH TEMPORARY VEGETATION ON DISTURBED SOIL SURFACES.
4. EXCAVATE TEMPORARY CHANNEL D-T1 BEGINNING AT ROCK DAM AND PROCEEDING UPGRADIENT TO PROPOSED SB-T10 OUTLET. INSTALL CHANNEL LINING AND STABILIZE DISTURBED AREAS INCREMENTALLY. UNSTABILIZED CHANNEL LENGTH IS NOT TO EXCEED 200 LF. AT ANY TIME.
5. CONSTRUCT TEMPORARY SEDIMENT BASIN SB-T10. (REFER TO SEDIMENT BASIN DETAILS AND SPECIFICATIONS)
  - A. INSTALL SILT FENCE OUTSIDE OF TREE LINE DOWNGRADIENT OF AREA TO BE DISTURBED.
  - B. CLEAR AND GRUB EMBANKMENT AND OUTLET STRUCTURE FOOTPRINT.
  - C. INSTALL CUTOFF TRENCH AND PRINCIPAL SPILLWAY STRUCTURE.
  - D. CONSTRUCT EMBANKMENT AND EMERGENCY SPILLWAY.
  - E. ESTABLISH TEMPORARY VEGETATION ON DISTURBED SOIL SURFACES.
6. CONSTRUCT DIVERSION BERM FROM NORTHEAST CORNER OF CONSTRUCTION AREA TO SB-T0 AND ESTABLISH PERMANENT VEGETATION.
7. FILL INDICATED AREA TO ELEVATION 292.0 FT MSL. GRADE ALONG DIVERSION BERM TO DRAIN THE AREA TO SB-T0, AND ESTABLISH PERMANENT VEGETATION.
8. CONSTRUCT EMBANKMENT ACROSS EAST FORK OF STREAM.
  - A. INSTALL ANOTHER LINE OF SILT FENCE 75-FT UPGRADIENT FROM THE INITIAL SILT FENCE. CLEAR AND GRUB FROM THIS SILT FENCE UPGRADIENT TO EMBANKMENT FOOTPRINT.
  - B. INSTALL TEMPORARY PUMP STATION AND DEWATER EAST FORK BY PUMPING.
  - C. CONSTRUCT CUTOFF TRENCH.
  - D. CONSTRUCT EMBANKMENT. INSTALL SILT FENCE ACROSS "DRY" STREAMBED DOWNGRADIENT OF EMBANKMENT AS NEEDED TO ENHANCE E&S CONTROL.

**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
 PHONE 919-828-0577 FAX 919-828-3899  
 WWW.GNRA.COM



PROJECT TITLE:  
**RED ROCK DISPOSAL, LLC  
 CONSTRUCTION & DEMOLITION  
 LANDFILL PHASE 1C  
 WAKE COUNTY, NC**

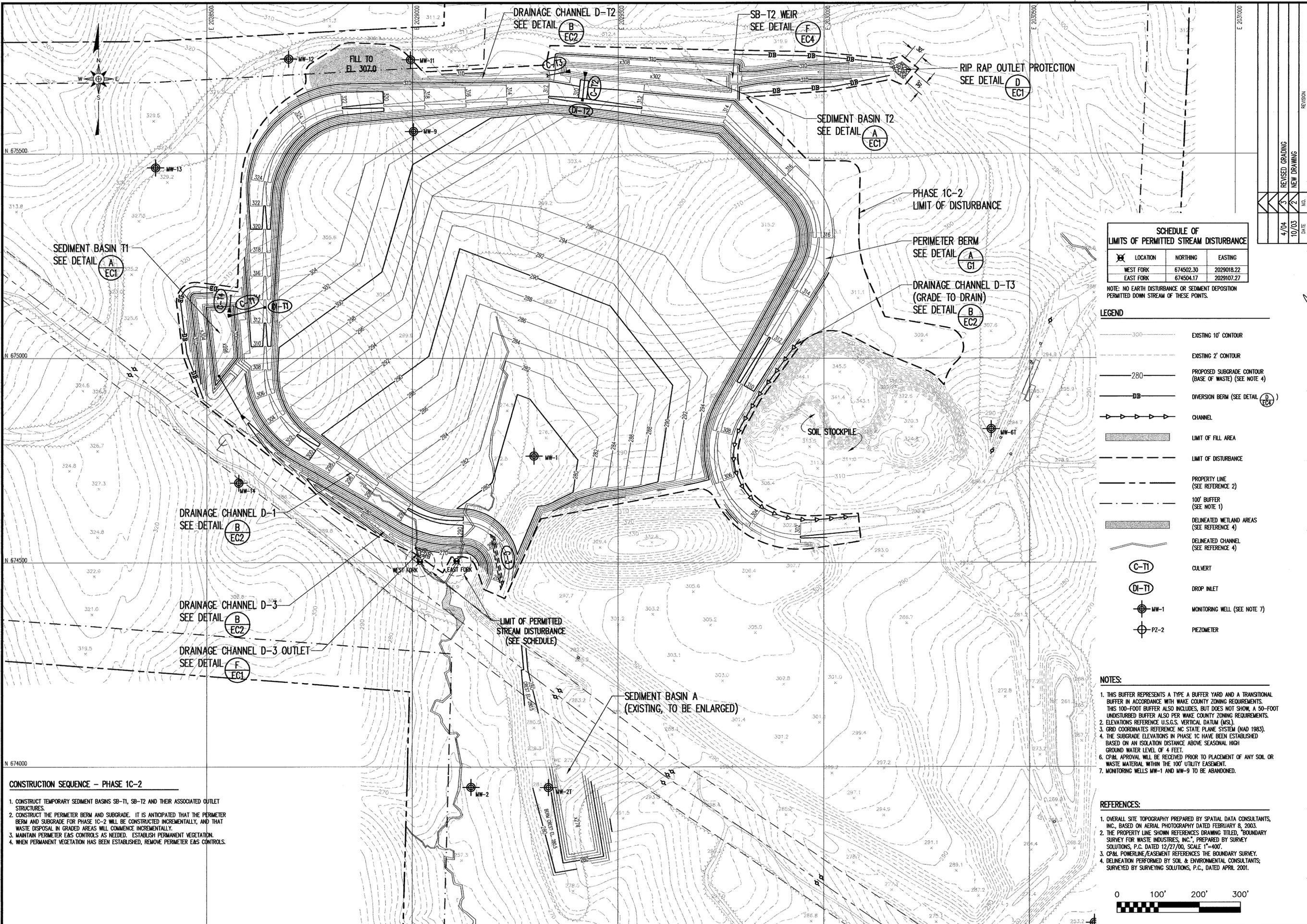
DRAWING TITLE:  
**PHASE 1C INITIAL  
 GRADING AND  
 DRAINAGE PLAN**

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK--D0018	SHEET NO. DRAWING NO.
15	EC6

G:\CAD\Red Rock-2\phase 1C\sheet\REDROCK-D0018.dwg DATE: OCT 14, 2003 TIME: 9:01 PM



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**CONSTRUCTION SEQUENCE - PHASE 1C-2**

1. CONSTRUCT TEMPORARY SEDIMENT BASINS SB-T1, SB-T2 AND THEIR ASSOCIATED OUTLET STRUCTURES.
2. CONSTRUCT THE PERIMETER BERM AND SUBGRADE. IT IS ANTICIPATED THAT THE PERIMETER BERM AND SUBGRADE FOR PHASE 1C-2 WILL BE CONSTRUCTED INCREMENTALLY, AND THAT WASTE DISPOSAL IN GRADED AREAS WILL COMMENCE INCREMENTALLY.
3. MAINTAIN PERIMETER EAS CONTROLS AS NEEDED. ESTABLISH PERMANENT VEGETATION.
4. WHEN PERMANENT VEGETATION HAS BEEN ESTABLISHED, REMOVE PERIMETER EAS CONTROLS.

**SCHEDULE OF LIMITS OF PERMITTED STREAM DISTURBANCE**

LOCATION	NORTHING	EASTING
WEST FORK	674502.30	2029018.22
EAST FORK	674504.17	2029107.27

NOTE: NO EARTH DISTURBANCE OR SEDIMENT DEPOSITION PERMITTED DOWN STREAM OF THESE POINTS.

**LEGEND**

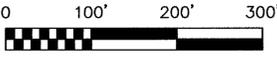
- 300 — EXISTING 10' CONTOUR
- 280 — EXISTING 2' CONTOUR
- - - 280 - - - PROPOSED SUBGRADE CONTOUR (BASE OF WASTE) (SEE NOTE 4)
- DB- DIVERSION BERM (SEE DETAIL (D) EC1)
- >>>>> CHANNEL
- ▨ LIMIT OF FILL AREA
- - - - - LIMIT OF DISTURBANCE
- - - - - PROPERTY LINE (SEE REFERENCE 2)
- - - - - 100' BUFFER (SEE NOTE 1)
- ▨ DELINEATED WETLAND AREAS (SEE REFERENCE 4)
- - - - - DELINEATED CHANNEL (SEE REFERENCE 4)
- (C-TI) CULVERT
- (DI-TI) DROP INLET
- ⊙ MW-1 MONITORING WELL (SEE NOTE 7)
- ⊙ PZ-2 PIEZOMETER

**NOTES:**

1. THIS BUFFER REPRESENTS A TYPE A BUFFER YARD AND A TRANSITIONAL BUFFER IN ACCORDANCE WITH WAKE COUNTY ZONING REQUIREMENTS. THIS 100-FOOT BUFFER ALSO INCLUDES, BUT DOES NOT SHOW, A 50-FOOT UNDISTURBED BUFFER ALSO PER WAKE COUNTY ZONING REQUIREMENTS.
2. ELEVATIONS REFERENCE U.S.G.S. VERTICAL DATUM (MSL).
3. GRID COORDINATES REFERENCE NC STATE PLANE SYSTEM (NAD 1983).
4. THE SUBGRADE ELEVATIONS IN PHASE 1C HAVE BEEN ESTABLISHED BASED ON AN ISOLATION DISTANCE ABOVE SEASONAL HIGH GROUND WATER LEVEL OF 4 FEET.
5. CR&M APPROVAL WILL BE RECEIVED PRIOR TO PLACEMENT OF ANY SOIL OR WASTE MATERIAL WITHIN THE 100' UTILITY EASEMENT.
6. MONITORING WELLS MW-1 AND MW-9 TO BE ABANDONED.

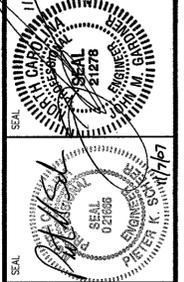
**REFERENCES:**

1. OVERALL SITE TOPOGRAPHY PREPARED BY SPATIAL DATA CONSULTANTS, INC., BASED ON AERIAL PHOTOGRAPHY DATED FEBRUARY 8, 2003.
2. THE PROPERTY LINE SHOWN REFERENCES DRAWING TITLED, "BOUNDARY SURVEY FOR WASTE INDUSTRIES, INC.", PREPARED BY SURVEY SOLUTIONS, P.C. DATED 12/27/00, SCALE 1"=400'.
3. CR&M POWERLINE/EASEMENT REFERENCES THE BOUNDARY SURVEY.
4. DELINEATION PERFORMED BY SOIL & ENVIRONMENTAL CONSULTANTS; SURVEYED BY SURVEYING SOLUTIONS, P.C., DATED APRIL 2001.



NO.	DATE	REVISION
1	10/03	NEW DRAWING
2	4/04	REVISED GRADING

**G.N. RICHARDSON & ASSOCIATES, INC.**  
 Engineering and Geological Services  
 14 N. BOYLAN AVENUE RALEIGH, N.C. 27603  
 PHONE-919-828-0577 FAX-919-828-3889  
 WWW.GNRA.COM



PROJECT TITLE:  
**RED ROCK DISPOSAL, LLC  
 CONSTRUCTION & DEMOLITION  
 LANDFILL PHASE 1C  
 WAKE COUNTY, NC**

DRAWING TITLE:  
**PHASE 1C-2  
 SUBGRADE AND  
 DRAINAGE PLAN**

DESIGNED BY: T.B.M.	DRAWN BY: C.T.J.
CHECKED BY: J.M.G.	PROJECT NO.: RED ROCK-2
SCALE: AS SHOWN	DATE: OCT. 2003
FILE NAME: REDROCK-00017A	
SHEET NO.: 17	DRAWING NO.: EC8



**ATTACHMENT 3  
CORRESPONDENCE  
SUPPORTING PUBLIC  
NOTIFICATION**

**THOMAS C. WORTH, JR.**

Attorney

-----

Certified Mediator

Capital Club Building  
127 W. Hargett Street, Suite 500  
Post Office Box 1799  
Raleigh, North Carolina 27602  
Phone: (919) 831-1125 Fax: (919) 831-1205  
curmudgtcw@earthlink.net

December 11, 2006

The Honorable Dick Sears  
Mayor  
Town of Holly Springs  
P. O. Box 8  
Holly Springs, North Carolina 27540

RE: Red Rock C&D Landfill; Application for Amendment of Franchise (only for expansion of service area)

Dear Mayor Sears:

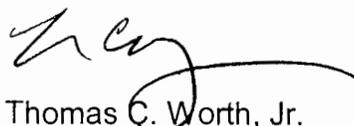
In keeping with the commitment that I made to you and to Town Attorney John Schifano in early December last year (which I reiterated to you during our brief, impromptu meeting the afternoon of Friday, December 1) to keep you informed in this matter I attach a copy of the Notice of Public Hearing by the Wake County Board of Commissioners during its meeting to be held on Monday, January 8, 2007, commencing at 2:00 p.m.

For your information I placed complete sets of the materials which comprise the Facility Plan for the Red Rock C&D Landfill (including a copy of the Application for Amendment of the Franchise filed November 17, 2006) in the Reference Sections of both the Fuquay-Varina and the Holly Springs branches of the Wake County Public Library this past Friday, December 8, 2006. As you are well aware your Holly Springs library opened the following day and I got an early view of this wonderful facility of which your Town must be very proud.

If you or Mr. Schifano have any questions about this enclosure or about any aspect of this matter I hope that you will direct them to me.

Best wishes for the Holiday Season.

Sincerely,



Thomas C. Worth, Jr.

TCWjr/amc  
Enclosure

cc: Mr. John C. Schifano (w/enclosure)

Mr. John C. Schafano  
Town Attorney  
Town of Holly Springs  
P. O. Box 8  
Holly Springs, North Carolina 27540

**NOTICE OF PUBLIC HEARING BY THE WAKE COUNTY BOARD OF COMMISSIONERS UPON THE APPLICATION FOR AMENDMENT OF CONSTRUCTION AND DEMOLITION DEBRIS (C&D) LANDFILL FRANCHISE (ONLY FOR EXPANSION OF SERVICE AREA) BY RED ROCK DISPOSAL, LLC, WHOLLY OWNED SUBSIDIARY OF WASTE INDUSTRIES USA, INC., OWNER AND OPERATOR OF THE RED ROCK C&D LANDFILL, LOCATED AT 7130 NEW LANDFILL ROAD, WAKE COUNTY, NORTH CAROLINA.**

The Wake County Board of Commissioners will during its meeting on Monday, January 8, 2007, commencing at 2:00 p.m. in Room 700 of the Wake County Courthouse located at 316 Fayetteville Street, Raleigh, North Carolina, hold a Public Hearing on the Application for Amendment of Construction and Demolition Debris (C&D) Landfill Franchise (only for expansion of service area) for Red Rock Disposal, LLC, wholly owned subsidiary of Waste Industries USA, Inc. The procedure for the Public Hearing is as follows: INTRODUCTION; OPEN PUBLIC HEARING; COMMENTS BY INTERESTED PARTIES, and CLOSE PUBLIC HEARING.

The Red Rock C&D Landfill is located at 7130 New Landfill Road and contains 225.3818 acres as shown upon that map recorded in Book of Maps 2002 at page 308 with access thereto as shown upon that map recorded in Book of Maps 2002 at page 726, both of which are incorporated herein by reference. No change is proposed in the landfill tract or in its access. The population to be served includes the inhabitants of Wake, Chatham, Durham, Franklin, Granville, Harnett, Johnston and Nash Counties (and of the municipalities therein) which are presently served, together with the inhabitants of Alamance, Anson, Beaufort, Bertie, Bladen, Brunswick, Cabarrus, Caswell, Columbus, Craven, Cumberland, Davidson, Davie, Duplin, Edgecombe, Forsyth, Greene, Guilford, Halifax, Hoke, Iredell, Jones, Lee, Lenoir, Martin, Mecklenburg, Montgomery, Moore, New Hanover, Northhampton, Onslow, Orange, Pender, Person, Pitt, Randolph, Richmond, Robeson, Rockingham, Rowan, Sampson, Scotland, Stanly, Stokes, Surry, Union, Vance, Warren, Wayne, Wilson and Yadkin Counties (and of the municipalities therein) all of which are located within approximately a one hundred (100) miles radius of Red Rock Landfill, which population totals approximately 6,830,000,000 people as indicated in the updated Census of 2005 compiled by the United States Census Bureau. The presently permitted volume and characteristics of the waste stream are not requested to be changed, i.e. the landfill is permitted to receive approximately 200 truck loads per day and an average disposal rate of 2,000 tons per days based upon 286 operating days per year with remaining capacity as of January 1, 2006 estimated to be approximately 10.8 million tons. No change is requested in the permitted waste stream which includes the following types of materials: asbestos, inert debris similar to types deposited in LCID landfills, asphalt, solid waste resulting from construction, remodeling, repair of demolition operations on pavement, buildings or other structures (such as furniture, carpet remnants and any other waste materials resulting from the demolition of a structure) and other materials approved by the North Carolina Department of Environment and Natural Resource's Division of Waste Management. The projected useful life of the Red Rock Landfill is approximately twenty (20) years, however, its present franchise has approximately 15 years remaining. The current franchise is consistent with Wake County's Solid Waste Management Plan and the proposed Amendment only to increase the service area of the Red Rock Landfill is consistent with Wake County's Solid Waste Management Plan and not inconsistent with Wake County's waste reduction, reuse and recycling goals. Although Wake County does not presently have procedures to be followed for its oversight and regulation of fees and rates for the Red Rock Landfill, the Applicant has agreed that in the event Wake County changes its procedure for governmental oversight and regulation of fees and rates to be charged within its jurisdiction, that Applicant will conform to same in accordance with applicable local and state ordinances and statutes. The facility plan for the Red Rock Landfill, including its exact boundaries, proposed development in 5-year operational phases, boundaries of all waste disposal units, final elevations and capacity of all waste disposal units, the amount of waste to be received per day in tons (a maximum of 2,000 tons per day), the total waste disposal capacity of the Red Rock Landfill in tons (approximately 10.8 million tons), a description of environmental controls and a description of other waste management facilities to be conducted at the facility, the location of any soil borrow areas, leachate facilities and all other facilities and infrastructure, including ingress and egress to the facility are contained in 3 bound volumes, related graphics and the two plats recorded in the Wake Registry referenced herein, all of which are located in the offices of the Solid Waste Management Division, 7<sup>th</sup> Floor, Wake County Office Building, 336 Fayetteville Street, Raleigh, North Carolina 27601 and also at the two Public Libraries closest to the Red Rock Landfill, (including a copy of the Application for Amendment of Construction and Demolition Debris [C&D] Landfill Franchise [Only for Expansion of Service Area] filed with the Wake County Board of Commissioners, November 17, 2006), where all materials will be available for inspection and copying by the public.



NORTH CAROLINA :

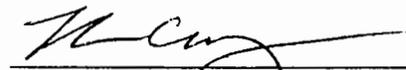
WAKE COUNTY :

**AFFIDAVIT OF THOMAS C. WORTH, JR.**

**IN RE: APPLICATION FOR AMENDMENT OF CONSTRUCTION AND DEMOLITION DEBRIS (C&D) LANDFILL FRANCHISE (ONLY FOR EXPANSION OF SERVICE AREA) BY RED ROCK DISPOSAL, LLC, WHOLLY OWNED SUBSIDIARY OF WASTE INDUSTRIES USA, INC., PROPERTY OWNER AND LANDFILL OPERATOR**

Before the undersigned, a Notary Public of Wake County, North Carolina, duly commissioned and authorized to administer oaths, affirmations, etc., personally appeared Thomas C. Worth, Jr., who being first duly sworn, according to law, doth depose and say that on December 8, 2006 at a place visible to the public road adjacent to the property, he personally posted on the property owned by Red Rock Disposal, LLC, wholly owned subsidiary of Waste Industries USA, Inc., located at 7130 New Landfill Road, Holly Springs, North Carolina, a Notice of Hearing reasonably calculated to inform the public of the location, date, time and purpose of the Public Hearing before the Wake County Board of Commissioners to be held during the meeting scheduled for Monday, January 8, 2007, commencing at 2:00 p.m. in Room 700 of the Wake County Courthouse located at 316 Fayetteville Street, Raleigh, North Carolina. A copy of said Notice of Hearing is attached hereto and incorporated herein by reference.

This the 20<sup>th</sup> day of December, 2006.

  
\_\_\_\_\_  
Thomas C. Worth, Jr.

Sworn to, and subscribed before me, this the 20<sup>th</sup> day of December, 2006 by Thomas C. Worth, Jr. In testimony whereof I have hereunto set my hand and affixed my official seal, the day and year aforesaid.

  
\_\_\_\_\_  
Judy W. Pearse, Notary Public  
My Commission expires: 8-19-2009

**NOTICE OF PUBLIC HEARING BY THE WAKE COUNTY BOARD OF COMMISSIONERS UPON THE APPLICATION FOR AMENDMENT OF CONSTRUCTION AND DEMOLITION DEBRIS (C&D) LANDFILL FRANCHISE (ONLY FOR EXPANSION OF SERVICE AREA) BY RED ROCK DISPOSAL, LLC, WHOLLY OWNED SUBSIDIARY OF WASTE INDUSTRIES USA, INC., OWNER AND OPERATOR OF THE RED ROCK C&D LANDFILL, LOCATED AT 7130 NEW LANDFILL ROAD, WAKE COUNTY, NORTH CAROLINA.**

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NORTH CAROLINA :

WAKE COUNTY :

**AFFIDAVIT OF THOMAS C. WORTH, JR.**

**IN RE: APPLICATION FOR AMENDMENT OF CONSTRUCTION AND DEMOLITION DEBRIS (C&D) LANDFILL FRANCHISE (ONLY FOR EXPANSION OF SERVICE AREA) BY RED ROCK DISPOSAL, LLC, WHOLLY OWNED SUBSIDIARY OF WASTE INDUSTRIES USA, INC., PROPERTY OWNER AND LANDFILL OPERATOR**

Before the undersigned, a Notary Public of Wake County, North Carolina, duly commissioned and authorized to administer oaths, affirmations, etc., personally appeared Thomas C. Worth, Jr., who being first duly sworn, according to law, doth depose and say that he personally delivered on December 8, 2006, the Facility Plan for the Red Rock Landfill and accompanying documents and graphics (including those showing ingress and egress to the facility, a copy of the Application for Amendment of Franchise filed with the Wake County Board of Commissioners on November 17, 2006, and the Notice of Hearing) to the Branch Managers of the Holly Springs Public Library and the Fuquay-Varina Public Library, in connection with the Public Hearing before the Wake County Board of Commissioners to be held during the meeting scheduled for Monday, January 8, 2007, commencing at 2:00 p.m. in Room 700 of the Wake County Courthouse located at 316 Fayetteville Street, Raleigh, North Carolina. A copy of said Notice of Hearing is attached hereto and incorporated herein by reference.

This the 20<sup>th</sup> day of December, 2006.



Thomas C. Worth, Jr.

Sworn to and subscribed before me, this the 20<sup>th</sup> day of December, 2006 by Thomas C. Worth, Jr. In testimony whereof I have hereunto set my hand and affixed my official seal, the day and year aforesaid.



Judy W. Pearse, Notary Public  
My Commission expires: 8-19-2009

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**THOMAS C. WORTH, JR.**

Attorney

-----  
Certified Mediator

Professional Building  
127 W. Hargett Street, Suite 500  
Post Office Box 1799  
Raleigh, North Carolina 27602  
Phone: (919) 831-1125 Fax: (919) 831-1205  
curmudgtcw@earthlink.net

December 8, 2006

Wake County Public Library  
Holly Springs Branch  
Attn: Branch Manager  
300 W. Ballentine Street  
Holly Springs, NC 27540

RE: Notice of Public Hearing before the Wake County Board of Commissioners:  
January 8, 2007

Dear Branch Manager:

We deliver herewith the Application for Amendment of Construction and Demolition Debris (C&D) Landfill Franchise (Only for Expansion of Service Area) by Red Rock Disposal, LLC, wholly owned subsidiary of Waste Industries USA, Inc., Owner and Operator of the Red Rock C&D Landfill, located at 7130 New Landfill Road, Wake County, North Carolina, and the Facility Plan and supporting documents, including without limitation the maps and recorded plats showing ingress and egress to the Red Rock Disposal facility, which we request you make available for public inspection and copying pursuant to that Notice of Public Hearing which was published in the News and Observer newspaper on December 7, 2006 (copy attached).

For your information, the placement of these materials in your library is required pursuant to North Carolina General Statute 130A-294(b1)(3) ratified by the North Carolina General Assembly July 27, 2006 and approved August 23, 2006. This Public Hearing of the Wake County Board of Commissioners will be held on Monday, January 8, 2007 during its meeting commencing at 2:00 p.m., and we request that these materials remain available until the conclusion of this matter, of which the undersigned will notify you by letter. I or my designee will thereafter remove these materials at a time convenient to you and your staff.

If you have any questions, please do not hesitate to contact me. Thank you for your assistance in this matter.

Sincerely,

  
Thomas C. Worth, Jr.

TCWjr/jwp  
Enclosure

cc: David Pepper  
John Gardner

  
12/8/06

**NOTICE OF PUBLIC HEARING BY THE WAKE COUNTY BOARD OF COMMISSIONERS UPON THE APPLICATION FOR AMENDMENT OF CONSTRUCTION AND DEMOLITION DEBRIS (C&D) LANDFILL FRANCHISE (ONLY FOR EXPANSION OF SERVICE AREA) BY RED ROCK DISPOSAL, LLC, WHOLLY OWNED SUBSIDIARY OF WASTE INDUSTRIES USA, INC., OWNER AND OPERATOR OF THE RED ROCK C&D LANDFILL, LOCATED AT 7130 NEW LANDFILL ROAD, WAKE COUNTY, NORTH CAROLINA.**

The Wake County Board of Commissioners will during its meeting on Monday, January 8, 2007, commencing at 2:00 p.m. in Room 700 of the Wake County Courthouse located at 316 Fayetteville Street, Raleigh, North Carolina, hold a Public Hearing on the Application for Amendment of Construction and Demolition Debris (C&D) Landfill Franchise (only for expansion of service area) for Red Rock Disposal, LLC, wholly owned subsidiary of Waste Industries USA, Inc. The procedure for the Public Hearing is as follows: INTRODUCTION; OPEN PUBLIC HEARING; COMMENTS BY INTERESTED PARTIES, and CLOSE PUBLIC HEARING.

The Red Rock C&D Landfill is located at 7130 New Landfill Road and contains 225.3818 acres as shown upon that map recorded in Book of Maps 2002 at page 308 with access thereto as shown upon that map recorded in Book of Maps 2002 at page 726, both of which are incorporated herein by reference. No change is proposed in the landfill tract or in its access. The population to be served includes the inhabitants of Wake, Chatham, Durham, Franklin, Granville, Harnett, Johnston and Nash Counties (and of the municipalities therein) which are presently served, together with the inhabitants of Alamance, Anson, Beaufort, Bertie, Bladen, Brunswick, Cabarrus, Caswell, Columbus, Craven, Cumberland, Davidson, Davie, Duplin, Edgecombe, Forsyth, Greene, Guilford, Halifax, Hoke, Iredell, Jones, Lee, Lenoir, Martin, Mecklenburg, Montgomery, Moore, New Hanover, Northampton, Onslow, Orange, Pender, Person, Pitt, Randolph, Richmond, Robeson, Rockingham, Rowan, Sampson, Scotland, Stanly, Stokes, Surry, Union, Vance, Warren, Wayne, Wilson and Yadkin Counties (and of the municipalities therein) all of which are located within approximately a one hundred (100) miles radius of Red Rock Landfill, which population totals approximately 6,830,000,000 people as indicated in the updated Census of 2005 compiled by the United States Census Bureau. The presently permitted volume and characteristics of the waste stream are not requested to be changed, i.e. the landfill is permitted to receive approximately 200 truck loads per day and an average disposal rate of 2,000 tons per days based upon 286 operating days per year with remaining capacity as of January 1, 2006 estimated to be approximately 10.8 million tons. No change is requested in the permitted waste stream which includes the following types of materials: asbestos, inert debris similar to types deposited in LCID landfills, asphalt, solid waste resulting from construction, remodeling, repair of demolition operations on pavement, buildings or other structures (such as furniture, carpet remnants and any other waste materials resulting from the demolition of a structure) and other materials approved by the North Carolina Department of Environment and Natural Resource's Division of Waste Management. The projected useful life of the Red Rock Landfill is approximately twenty (20) years, however, its present franchise has approximately 15 years remaining. The current franchise is consistent with Wake County's Solid Waste Management Plan and the proposed Amendment only to increase the service area of the Red Rock Landfill is consistent with Wake County's Solid Waste Management Plan and not inconsistent with Wake County's waste reduction, reuse and recycling goals. Although Wake County does not presently have procedures to be followed for its oversight and regulation of fees and rates for the Red Rock Landfill, the Applicant has agreed that in the event Wake County changes its procedure for governmental oversight and regulation of fees and rates to be charged within its jurisdiction, that Applicant will conform to same in accordance with applicable local and state ordinances and statutes. The facility plan for the Red Rock Landfill, including its exact boundaries, proposed development in 5-year operational phases, boundaries of all waste disposal units, final elevations and capacity of all waste disposal units, the amount of waste to be received per day in tons (a maximum of 2,000 tons per day), the total waste disposal capacity of the Red Rock Landfill in tons (approximately 10.8 million tons), a description of environmental controls and a description of other waste management facilities to be conducted at the facility, the location of any soil borrow areas, leachate facilities and all other facilities and infrastructure, including ingress and egress to the facility are contained in 3 bound volumes, related graphics and the two plats recorded in the Wake Registry referenced herein, all of which are located in the offices of the Solid Waste Management Division, 7th Floor, Wake County Office Building, 336 Fayetteville Street, Raleigh, North Carolina 27601 and also at the two Public Libraries closest to the Red Rock Landfill, (including a copy of the Application for Amendment of Construction and Demolition Debris [C&D] Landfill Franchise [Only for Expansion of Service Area] filed with the Wake County Board of Commissioners, November 17, 2006), where all materials will be available for inspection and copying by the public.

N&O: December 7, 2006

**THOMAS C. WORTH, JR.**

Attorney

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Certified Mediator

Professional Building  
127 W. Hargett Street, Suite 500  
Post Office Box 1799  
Raleigh, North Carolina 27602  
Phone: (919) 831-1125 Fax: (919) 831-1205  
curmudgtcw@earthlink.net

December 8, 2006

Wake County Public Library  
Fuquay Varina Branch  
Attn: Branch Manager  
133 S. Fuquay Avenue  
Fuquay Varina, NC 27526

RE: Notice of Public Hearing before the Wake County Board of Commissioners:  
January 8, 2007

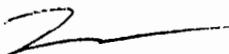
Dear Branch Manager:

We deliver herewith the Application for Amendment of Construction and Demolition Debris (C&D) Landfill Franchise (Only for Expansion of Service Area) by Red Rock Disposal, LLC, wholly owned subsidiary of Waste Industries USA, Inc., Owner and Operator of the Red Rock C&D Landfill, located at 7130 New Landfill Road, Wake County, North Carolina, and the Facility Plan and supporting documents, including without limitation the maps and recorded plats showing ingress and egress to the Red Rock Disposal facility, which we request you make available for public inspection and copying pursuant to that Notice of Public Hearing which was published in the News and Observer newspaper on December 7, 2006 (copy attached).

For your information, the placement of these materials in your library is required pursuant to North Carolina General Statute 130A-294(b1)(3) ratified by the North Carolina General Assembly July 27, 2006 and approved August 23, 2006. This Public Hearing of the Wake County Board of Commissioners will be held on Monday, January 8, 2007 during its meeting commencing at 2:00 p.m., and we request that these materials remain available until the conclusion of this matter, of which the undersigned will notify you by letter. I or my designee will thereafter remove these materials at a time convenient to you and your staff.

If you have any questions, please do not hesitate to contact me. Thank you for your assistance in this matter.

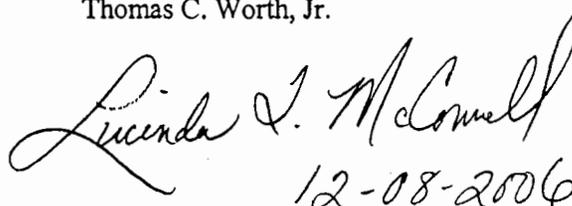
Sincerely,



Thomas C. Worth, Jr.

TCWjr/jwp  
Enclosure

cc: David Pepper  
John Gardner



12-08-2006

**NOTICE OF PUBLIC HEARING BY THE WAKE COUNTY BOARD OF COMMISSIONERS UPON THE APPLICATION FOR AMENDMENT OF CONSTRUCTION AND DEMOLITION DEBRIS (C&D) LANDFILL FRANCHISE (ONLY FOR EXPANSION OF SERVICE AREA) BY RED ROCK DISPOSAL, LLC, WHOLLY OWNED SUBSIDIARY OF WASTE INDUSTRIES USA, INC., OWNER AND OPERATOR OF THE RED ROCK C&D LANDFILL, LOCATED AT 7130 NEW LANDFILL ROAD, WAKE COUNTY, NORTH CAROLINA.**

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N&O: December 7, 2006



**THOMAS C. WORTH, JR.**

Attorney

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Certified Mediator

Professional Building  
127 W. Hargett Street, Suite 500  
Post Office Box 1799  
Raleigh, North Carolina 27602  
Phone: (919) 831-1125 Fax: (919) 831-1205  
curmudgtcw@earthlink.net

January 4, 2007

Ms. Elena Owens     577-1660  
Branch Manager  
Holly Springs Public Library  
300 West Ballentine Street  
Holly Springs, NC 27540

RE:    Red Rock Disposal, LLC  
       Request for Amendment of Landfill Franchise

Dear Ms. Owens:

Confirming my voice mail to you earlier this afternoon, I respectfully request that you confirm to me the extent to which there has been interest on the part of members of the public in the Red Rock Disposal, LLC Facility Plan materials, which include three (3) large ring binders, the subject Application, and related graphics, all of which I delivered to you on Friday, December 8, 2006. It was my understanding that these materials would be available in the reference area of your library. As I indicated to you during our brief meeting on December 8, 2006, I will retrieve these materials at such time as this matter is concluded and this retrieval is authorized by County Attorney Michael Ferrell.

I look forward to hearing from you at your earliest convenience as I would like to report this information to the Wake County Board of Commissioners at its meeting on Monday, January 8, 2007.

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

  
Thomas C. Worth, Jr.

TCWjr/jwp

**THOMAS C. WORTH, JR.**

Attorney

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Certified Mediator

Professional Building  
127 W. Hargett Street, Suite 500  
Post Office Box 1799  
Raleigh, North Carolina 27602  
Phone: (919) 831-1125 Fax: (919) 831-1205  
curmudgtcw@earthlink.net

January 4, 2007

Ms. Cindy McConnell  
Branch Manager  
Fuquay-Varina Public Library  
133 S. Fuquay Avenue  
Fuquay Varina, NC 27526

RE: Red Rock Disposal, LLC  
Request for Amendment of Landfill Franchise

Dear Ms. McConnell:

Confirming my voice mail to you earlier this afternoon, I respectfully request that you confirm to me the extent to which there has been interest on the part of members of the public in the Red Rock Disposal, LLC Facility Plan materials, which include three (3) large ring binders, the subject Application, and related graphics, all of which I delivered to you on Friday, December 8, 2006. It was my understanding that these materials would be available in the reference area of your library. As I indicated to you during our brief meeting on December 8, 2006, I will retrieve these materials at such time as this matter is concluded and this retrieval is authorized by County Attorney Michael Ferrell.

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If you have any questions or comments, please do not hesitate to contact me.

Sincerely,



Thomas C. Worth, Jr.

TCWjr/jwp



**Thomas C. Worth, Jr.**

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**From:** <eowens@co.wake.nc.us>  
**To:** "Thomas C. Worth, Jr." <curmudgtcw@earthlink.net>  
**Sent:** Monday, January 08, 2007 1:29 PM  
**Subject:** Re: Red Rock Landfill materials

No one has been asked about these materials nor made inquiries that would require their use at this time.

"Thomas C. Worth, Jr." <curmudgtcw@earthlink.net>

To <eowens@co.wake.nc.us>

cc

01/08/2007 12:29 PM

Subject Re: Red Rock Landfill materials

Ms.Owens:Please forward any resposnes from your Staff as soon as possible in order that same are available in time for the 2:00 Board meeting.Thank you very much.Tom Worth,Jr.

----- Original Message -----

**From:** eowens@co.wake.nc.us  
**To:** Thomas C. Worth, Jr.  
**Sent:** Thursday, January 04, 2007 5:52 PM  
**Subject:** Re: Red Rock Landfill materials

Dear Mr. Worth:

At this point I can say I have personally not been asked about these materials at all. I did tell two members of the Citizen's Advisory Board for the landfill that we have these materials and showed them where they were located in the reference collection. I have emailed my staff to see if they have helped or observed the public in using these materials. I will compile the responses this weekend and send the information to you in time for your meeting on January 8.

Sincerely,  
Elena M. Owens

Elena M. Owens  
Branch Manager  
Holly Springs Branch Library  
Holly Springs, N.C. 27540  
(919) 577-1665

"Thomas C. Worth, Jr." <curmudgtcw@earthlink.net>

01/04/2007 03:26 PM

To <eowens@co.wake.nc.us>

cc

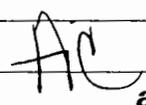
Subject Red Rock Landfill materials

**IMPORTANT MESSAGE**

FOR TCW  
DATE 1-9 TIME 10:20 A.M.  
M Cindy McConnell  
OF \_\_\_\_\_  
PHONE/  
MOBILE 557-2788

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	<input type="checkbox"/>
CAME TO SEE YOU	<input type="checkbox"/>	WILL CALL AGAIN	<input type="checkbox"/>
WANTS TO SEE YOU	<input type="checkbox"/>	RUSH	<input type="checkbox"/>
RETURNED YOUR CALL	<input checked="" type="checkbox"/>	SPECIAL ATTENTION	<input type="checkbox"/>

MESSAGE no inquiries  
re Red Rock  
lmcconnell@co.wake.  
nc.us

SIGNED AC  1184