

Permit No.	Date	Document ID No.
P1263	August 20, 2013	19562

From: Chao, Ming-tai
To: ["Mike Rice"](#)
Cc: [Shackelford, Dennis](#); [Williams, Ray](#)
Subject: RE: Permit Application for Craven LCIDLF
Date: Friday, August 16, 2013 9:10:00 AM

Correspondences - e-mail
Date: Au 14 – Aug 16, 2013
Solid Waste Section
Raleigh Central Office

Dear Mr. Rice:

Thank you for the prompt response to my question on the buffer. The drawing that is attached to the e-mail message dated August 15, 2013 shows the existing site conditions; I think this drawing should be added to the permit. Apparently, the segment of the on-site ditch traversing the site will be located underneath the proposed landfill waste footprints. The Permit Application must provide a plan to use clayey earthen material to backfill this ditch section and properly compact the backfill so that the buried ditch will not become a passage to discharge any leachate from the landfill cell into the nearby surface water body and/or drainage features. After completing a review of the revised application (Doc ID 19525) dated August 6, 2013, I also have several concerns/ comments on the revised Operation Plan which stated below:

1. (Section 3, Volume of Waste on Page 5, the last paragraph) The Operation Plan proposes to conduct screening and recycling cleaning soil for cover material and woody material for mulch and fuel sources at the facility. Please address the following concerns:
 - i. Please provide the locations of the recyclable stockpiles on the site-wide drawing which must be 50-feet away from property boundaries, 50-feet away from surface water body, and 25-feet away any drainage features including the intermittent drainage ditches.
 - ii. If the recyclable woody material is intended to sell and not used for facility operation, the stockpiled material shall not be stored at the facility more than one year after they are been processed and treated. The 25-foot fire isle must always maintain between woody stockpiles for firefighting.
 - iii. Please provide the estimated maximum quantities of the on-site recyclable stockpiles at any given day or annually.
 - iv. The operating record must document the type and the amount of recyclable sold or used on site which will be recorded to the facility annual report.
2. (Section 7, Drawing titled Section and Isometric Views) The existing disposal area limits ("Approximate Existing Disposal Area Surface") shown on the Section E-W is likely not consistent with the existing waste limits on the drawing that provide in the August 15, 2013 e-mail message.
3. (Section 7) Please submit the revised site-wide drawing as indicated in the August 14, 2013 e-mail message.

Please provide me a copy of the revised portions of the permit application and contact me if you have any questions of the comments or require any further clarification. Thank you and have a wonderful weekend.

Ming-Tai Chao, P.E.
Environmental Engineer
Permitting Branch, Solid Waste Section
Division of Waste Management
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From: Mike Rice [mailto:mikerice@robertmchilespe.com]
Sent: Thursday, August 15, 2013 9:04 AM
To: Chao, Ming-tai
Subject: Re: Permit Application for Craven LCIDLF

Dear Mr. Chao:

In answer to your question, the exiting ditch located at the site entrance is ephemeral, carrying only stormwater runoff during and immediately after rainfall. This is the case for all of the ditches within the property containing the LCID.

In the application package, Section 3, Groundwater Data, we indicate that the south property line ditch invert is approximately six feet below the original ground surface, and that during site visits performed in April and May of 2005, the ditch invert was dry. We also indicate that the water in Bachelor Creek is approximately 15 feet below the LCID site. Bachelor Creek is probably 20 feet lower, but not having physically surveyed the difference, we chose to report the more conservative estimation.

To provide additional information, I offer the following: That ditch was shown as a proposed ditch on the previous drawing between the labels "existing cable gate" and "existing paved entrance." The ditch was copied directly from a similar drawing that was prepared by us for Mr. Robert Jones, of R.J. Bushhogging, Inc. in 2005. The portion of ditch that is labeled "existing" in our revised drawings is actually a remaining portion of a ditch that existed prior to Mr. Jones' expansion of his notification site (see attached drawing). Information gathered while making the revisions prompted by your review comments revealed that our depiction of that ditch was drawn in the wrong location. The current drawing depicts the ditch closer to its actual location (based upon aerial photography). We removed the remainder of the proposed ditch to eliminate concerns about its proximity to the disposal area.

If you have additional questions or require more information, please contact me at your convenience. To expedite receipt of any such information, feel free to contact me via telephone at the number indicated below.

Thank you for your continued review of this application.

Michael

Michael L. Rice, P.E., P.L.S.

ROBERT M. CHILES, P.E.
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----- Original Message -----

From: [Chao, Ming-tai](#)

To: [Mike Rice](#)

Sent: Wednesday, August 14, 2013 3:26 PM

Subject: RE: Permit Application for Craven LCIDLF

Dear Mr. Rice:

Thank you to provide me the pdf file of the revised permit application. I am currently working on the revised permit application and one thing need your input:

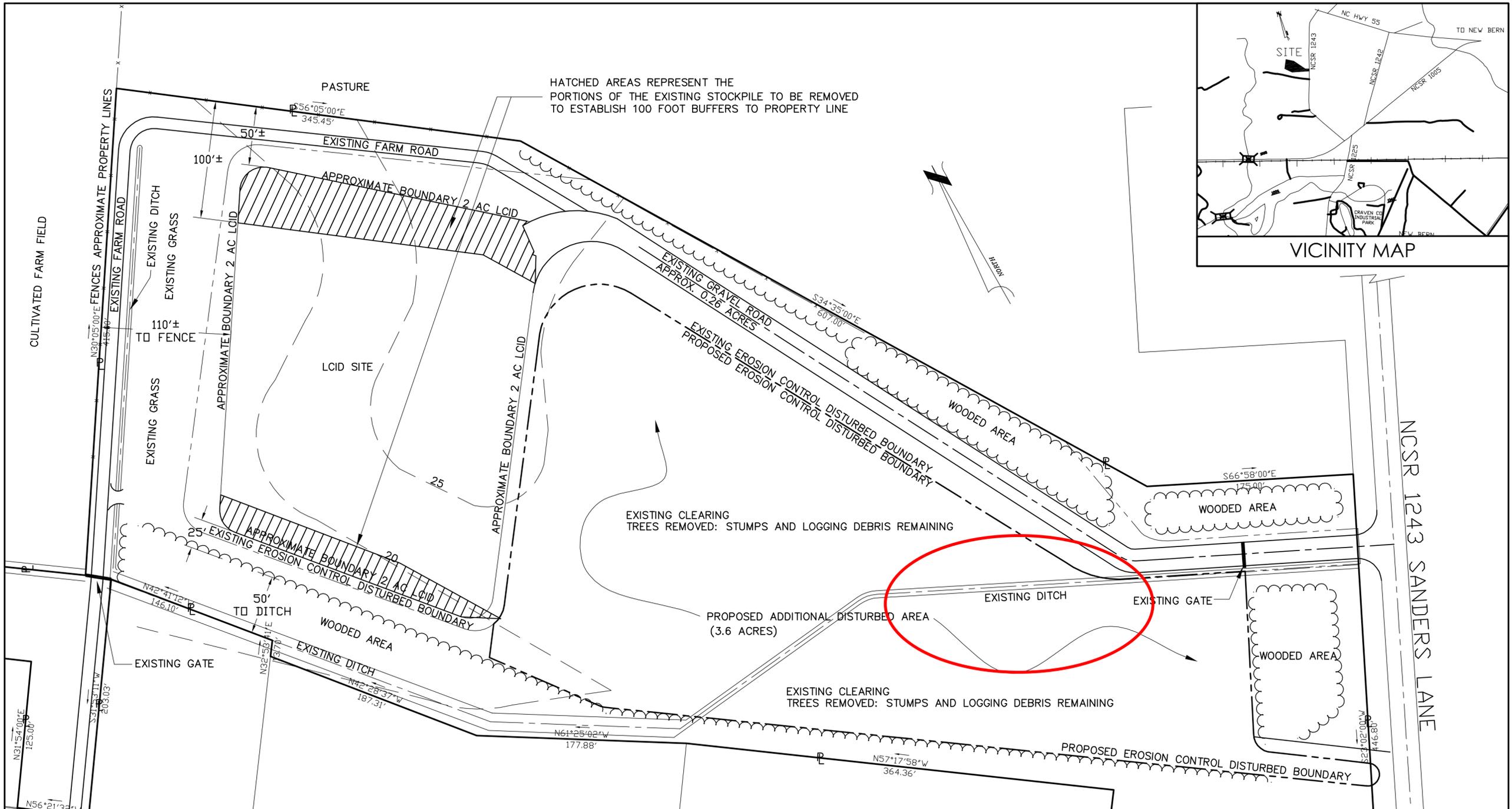
The buffer requirement. On the site wide drawing, an existing ditch is located at the site entrance area and less than 50-feet away from the proposed LCID waste footprints (I circled the area of concern on the attached drawing). This ditch was not shown on the previous submittal. I need you to confirm if this drainage ditch is an intermittent one or perennial one. If it is a ditch carrying flow year-round, you need to revise the waste foot prints for the new LCIDLF to meet the requirement stated in Rule .0546(9)(a). Have a wonderful day.

Ming-Tai Chao, P.E.
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Division of Waste Management
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NOTES

CONTOUR LINES ARE SHOWN IN APPROXIMATE POSITIONS AND ARE BASED UPON USGS QUADRANGLE JASPER AND FIELD OBSERVATIONS.

CONTOURS INDICATE TOPOGRAPHY FOR ORIGINAL GROUND ELEVATIONS

LCID SITE IS CONTAINED IN A PORTION OF THE PROPERTY DESCRIBED IN CRAVEN COUNTY REGISTER OF DEEDS BOOK 2134 AT PAGE 80.

THE PROJECT SITE IS LOCATED IN ZONE X ACCORDING TO FEMA FIRM MAP NUMBER 3720554000J, EFFECTIVE JULY 2, 2004.

THERE ARE NO WETLANDS WITHIN THE PORTION OF THE PROPERTY CONTAINING THE PROJECT SITE.

LEGEND

- x—x— FENCE
- ~~~~~ TREES
- - - - - CONTOUR LINES
- - - - - PROJECT BOUNDARY
- ⊔ PROPERTY LINE

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THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY MICHAEL L. RICE, P.E., LICENSE NUMBER 28925, ON 8/3/2005.
THIS PDF CREATED 3/15/2013.

REVISED PER NCDENR AUGUST 3, 2005

SHEET 1 OF 4

ENGINEER/SURVEYOR

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MR. ROBERT JONES, OWNER
175 HIGH SCHOOL ROAD
VANCEBORO, NORTH CAROLINA 28586
(252) 244-2805



APPROXIMATE BOUNDARY
FOR THE
LESS THAN 2 ACRE LCID LANDFILL SITE
FOR
R.J. BUSHHOGGING, INC.

TOWNSHIP NO. 8 CRAVEN COUNTY NORTH CAROLINA
DATE: MAY 5, 2005
JOB NO: 2004146
SCALE: 1" = 60'
ROBERT M. CHILES, P.E.
ENGINEERS AND CONSULTANTS
NEW BERN, NORTH CAROLINA

MLR - 2004146 ps 080305