

January 6, 2012

Mr. Terry Fox, LG
NCDOT Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

Re: Site Inspection Report
Parcel 122A, 1211 Piney Green Road
Onslow County, North Carolina
TIP: U-3810, WBS No. 35801.1.1

Dear Terry:

GEL Engineering of NC, Inc. (GEL) is submitting this letter report for the referenced inspection, which was completed as a supplemental task requested by NCDOT following issuance of the Notice to Proceed for TIP No. U-3810 on October 20, 2011. The purpose of this report is to provide documentation of GEL's findings during the requested inspection of the referenced site in November 2011.

Background

NCDOT's demolition contractor encountered an unidentified underground structure while demolishing the residence at 1211 Piney Green Road in Onslow County, North Carolina in October 2011. The location of the site is shown in Figure 1. NCDOT requested GEL to inspect the underground structure to confirm that it is not an underground storage tank and evaluate the potential of any surface or subsurface impact from a release from the structure.

GEL inspected the site on November 7, 2011, following the demolition and removal of the former residence. The findings of our investigation are discussed below.

Inspection Findings

The underground structure encountered by the demolition contractor is shown in Photographs 1, 2, and 3 in Attachment A, and its approximate location is shown in Figure 2. It appears to be a concrete rectangular storm water drainage or former irrigation structure that is oriented in a northwest-southeast direction. Two pipes (construction material not determined) and extend off site in a northwesterly direction from the structure off site to the northwest, and two pipes appear to extend into the interior of the site in a southeast direction. An at-grade concrete access manway (or valve box) located

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in line with the rectangular concrete structure was observed near the northwesterly property line of the site, as shown in Photograph 1.

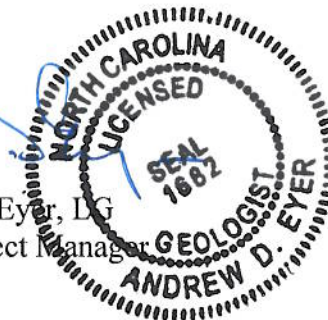
As shown in Photograph 3, standing water was observed in the structure, but there was no evidence of any other liquids, such as free petroleum product, or noticeable odors. The soil surrounding the structure did not appear to be stained or otherwise impacted from a release from the structure.

Based on our observations during the site inspection, the structure is not an underground storage tank or a septic tank, and there is no evidence that the structure contains or previously contained liquids or materials that would potentially impact the surrounding soil as a result of a release. Therefore, GEL recommends no further action regarding the structure.

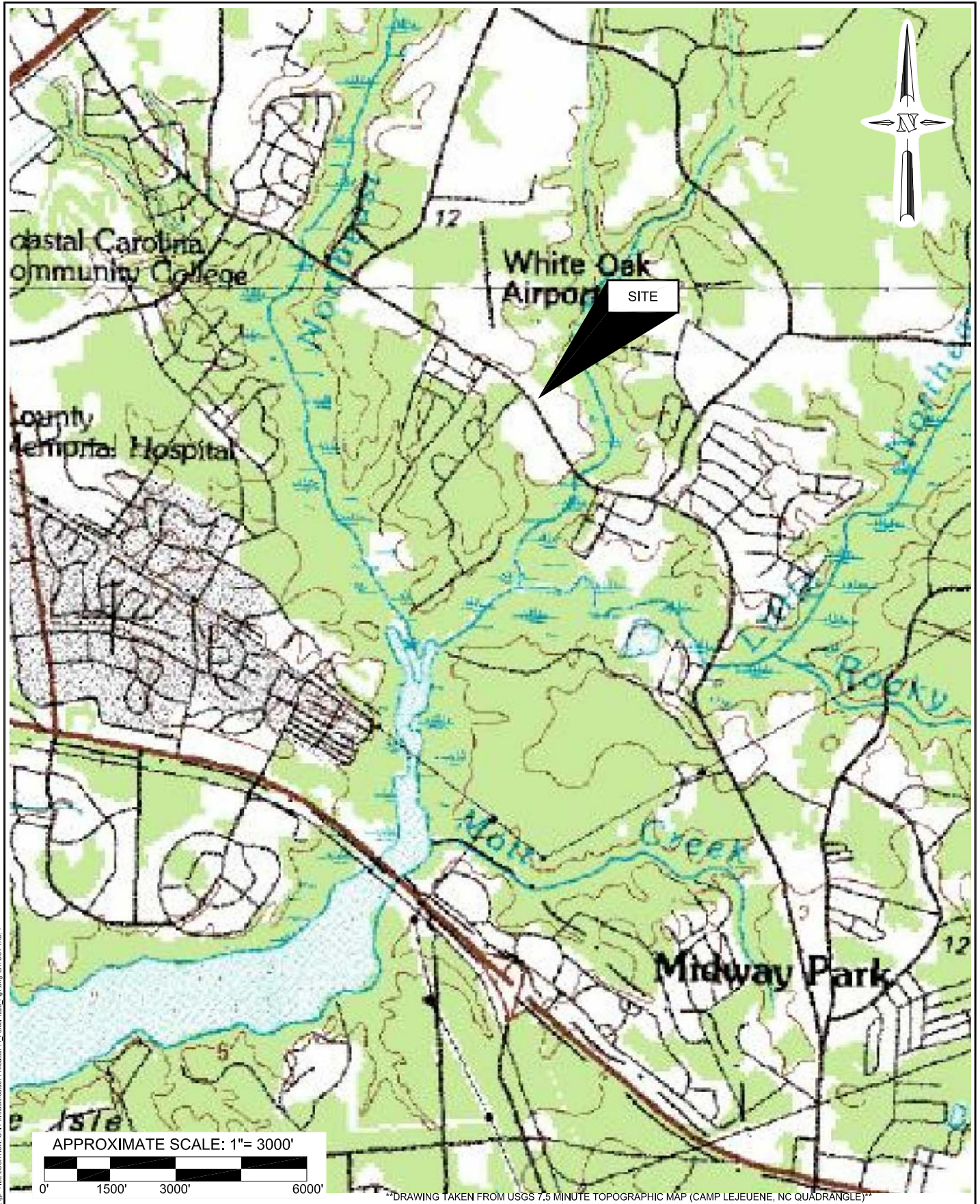
Thank you for the opportunity to assist NCDOT with this project. If you have any questions regarding this letter report, please e-mail me at ade@gel.com or call me at (919) 323-8828.

Sincerely,

Andrew D. Eyer, LG
Senior Project Manager



fc: ncdt00711.010612



PLOTTED: Jan 05, 2012 - 2:23pm BY: jlp FILE LOCATION: G:\P\In\nc\00711\loc\00711_Parcel_122a_FIG.dwg LAYOUT: TAB.1



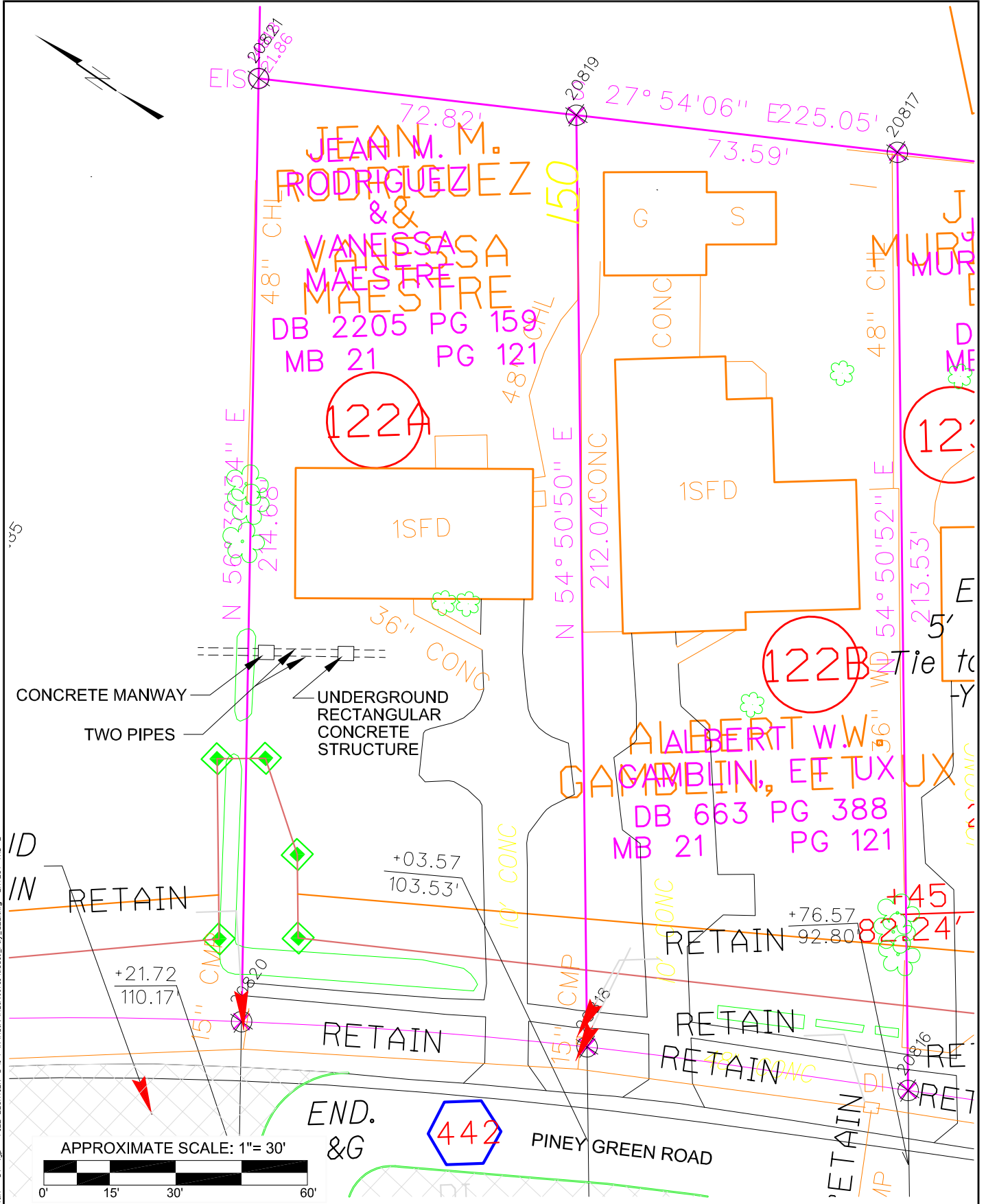
Engineering of NC Inc.

an Affiliate of THE GEL GROUP INC

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problem solved

PROJECT: ncd100711		USGS TOPOGRAPHIC LOCATION MAP	FIGURE 1
SITE INSPECTION PARCEL 122A, 1211 PINEY GREEN ROAD ONSLOW COUNTY, NORTH CAROLINA STATE PROJECT U-3810, WBS# 35801.1.1			
DATE: January 3, 2012	DRAWN BY: TJP	APPRV. BY: ADE	



GEL Engineering of NC Inc. an Affiliate of THE GEL GROUP INC Post Office Box 14262 Research Triangle Park, NC 27709 P 919-544-1100 F 919-406-1807 www.gel.com	PROJECT: ncd100711	SITE LOCATION MAP	FIGURE 2
	DATE: January 3, 2012		

PLOTTED: Jan 06, 2012 - 10:54am BY: t.j.p. FILE LOCATION: G:\1-P\N\ncd100711\WBS#100711\GEL.dwg LAYOUT: TAB 2

ATTACHMENT A

Photographs



Photograph 2: View looking southeast at underground concrete structure encountered by NCDOT demolition contractor.



Photograph 3: View looking south at underground rectangular concrete structure encountered by NCDOT demolition contractor. Two pipes, oriented northwest-southeast, extend from each end of structure. Apparent sheen shown on water surface is believed to be due to naturally occurring bacteria, not petroleum.