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August 2, 2011

North Carolina Department of Transportation
Mr. Ethan Caldwell, LG, PE
GeoEnvironmental Project Manager
Geotechnical Engineering Unit
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

Re: *UST Investigation*
Parcel #907 Sylvia Guy Matthews Property
State Project: R-2303A
WBS Element: 34416.1.1
County: Cumberland
Description: *NC 24 from West of SR 1006 (Maxwell Road/Clinton Road) in Cumberland County to SR 1853 (John Nunnery Road)*

CATLIN Project Number: 210124.02

Dear Mr. Caldwell:

The following letter report is submitted to document the underground storage tank (UST) closure investigation within the proposed right-of-way and/or easement at Parcel #907, Sylvia Guy Matthews property located at 6649 Clinton Road, Cumberland County, Stedman, North Carolina. The NCDOT project vicinity is illustrated on Figure 1 and the site layout is illustrated on Figure 2. This letter and attached documents are submitted in accordance with the NCDOT April 26, 2011 Request for Technical and Cost Proposal, subsequent scope clarification, CATLIN's Technical and Cost Proposal revised May 24, 2011, and subsequent Notice to Proceed.

Background:

Acquisition of the right-of-way is necessary for NC 24 roadway construction (above referenced State Project R-2303A) and specifically at the above referenced parcel. A site investigation was conducted by CATLIN in late 2010 resulting in Preliminary Site Assessment (PSA) Report dated January 7, 2011. One geophysical anomaly indicative of a potential underground storage tank (UST) was identified near the southwest corner of the building. According to the geophysical report, the possible UST is approximately four (4) to five (5) feet BLS and about 150-gallon capacity. A vent pipe was also identified on the west side of the southwest building corner. The suspected UST location is illustrated on Figure 2. A suspected, former dispenser location was identified centrally along the south side (front) of the building.

Methods and Results:

CATLIN personnel began tank investigation/removal activities on May 7, 2011. The geophysical anomaly area was excavated by EVO Corporation personnel and equipment to approximately six (6) feet below land surface. The vent pipe attached to the building was buried approximately two (2) feet BLS but there was no UST in the area. Photographs of the UST investigation excavation area included as an attachment. The UST excavation investigation area was backfilled with native soils.

A possible former dispenser area was also identified near the front of the building during the PSA. This area was also investigated/excavated. A pipe was discovered approximately one (1) foot BLS near the southwest corner of the building and ran parallel to the front (south side) of the building. No UST was found associated with the pipe. The pipe was removed and disposed of as scrap metal by EVO Corporation. Native soils were returned to the excavation/investigation area.

If you have any questions or comments, please feel free to contact us at (910) 452-5861.

Sincerely,

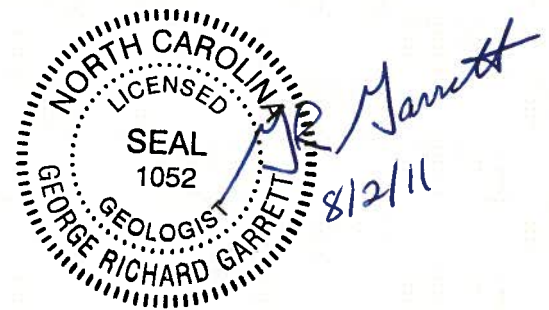


Benjamin J. Ashba
Project Manager

BJA/GRG/ba

cc: Mr. Cyrus Parker, NCDOT GeoEnvironmental Supervisor

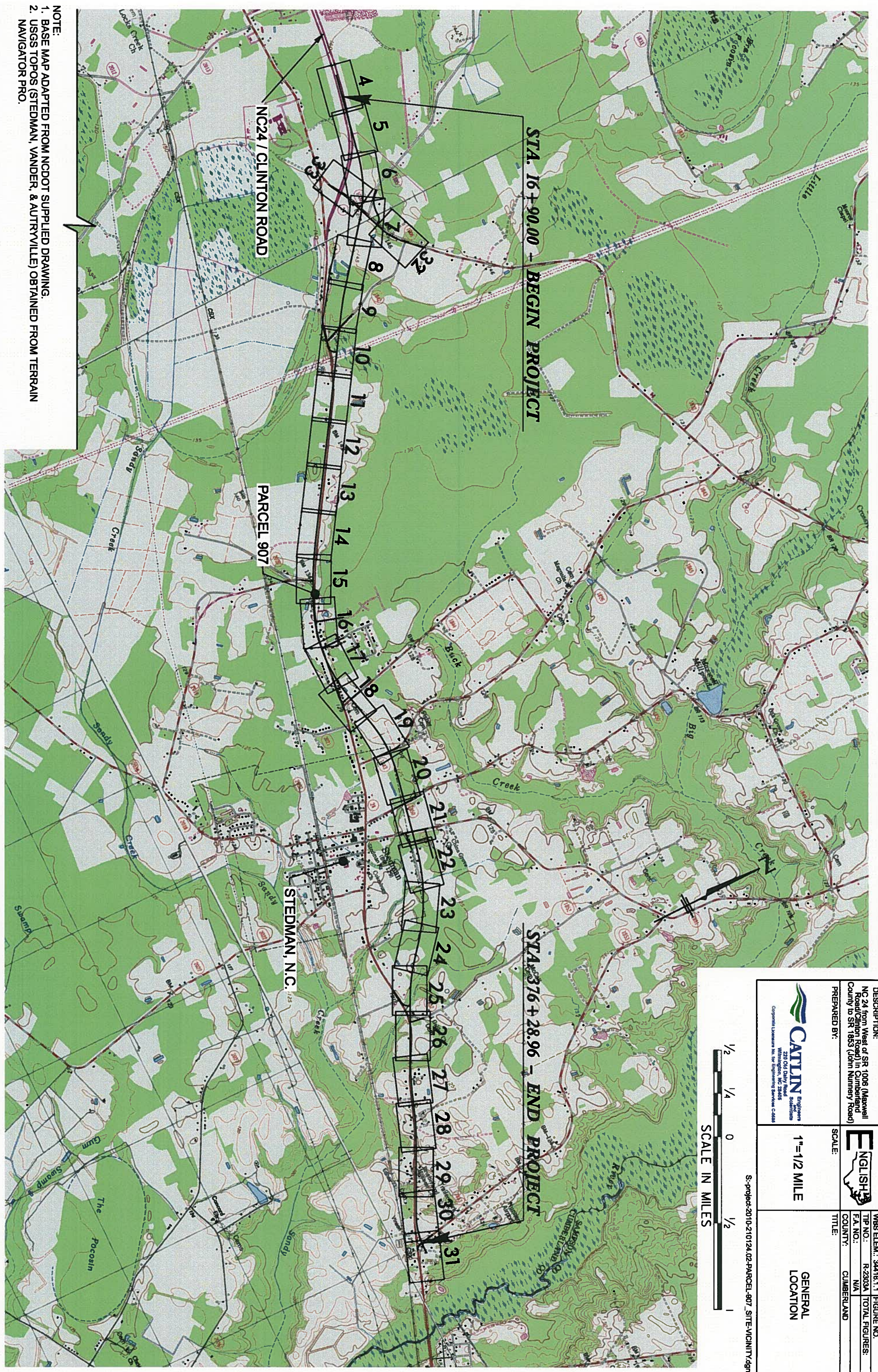
Enclosures



G. Richard Garrett, P.G.
Senior Project Manager

ATTACHMENTS

FIGURES




NOTE:
 1. BASE MAP ADAPTED FROM NCDOT SUPPLIED DRAWING.
 2. USGS TOPOS (STEDMAN, VANDER, & AUTRYVILLE) OBTAINED FROM TERRAIN NAVIGATOR PRO.

DESCRIPTION: NC 24 from West of SR 1006 (Maxwell Road/Clinton Road) in Cumberland County to SR 1853 (John Nummy Road)	WBS ELEM.: 34416.1.1	FIGURE NO.: 1
PREPARED BY: CATLIN Engineers 220 Old Dixie Road Wilmington, NC 28405 Corporate License No. for Engineering Services: C0445	TIP NO.: R-2303A	TOTAL FIGURES: 2
SCALE: 1"=1 1/2 MILE	COUNTY: CUMBERLAND	
	TITLE: GENERAL LOCATION	



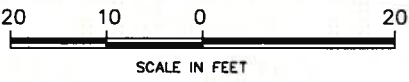
S:\-projec-2010-210124.02-PARCEL-907_SITE-VICINITY.dgn

DESCRIPTION:
 NC 24 from West of SR 1006 (Maxwell Road/Clinton Road) in Cumberland County to SR 1853 (John Nunery Road)

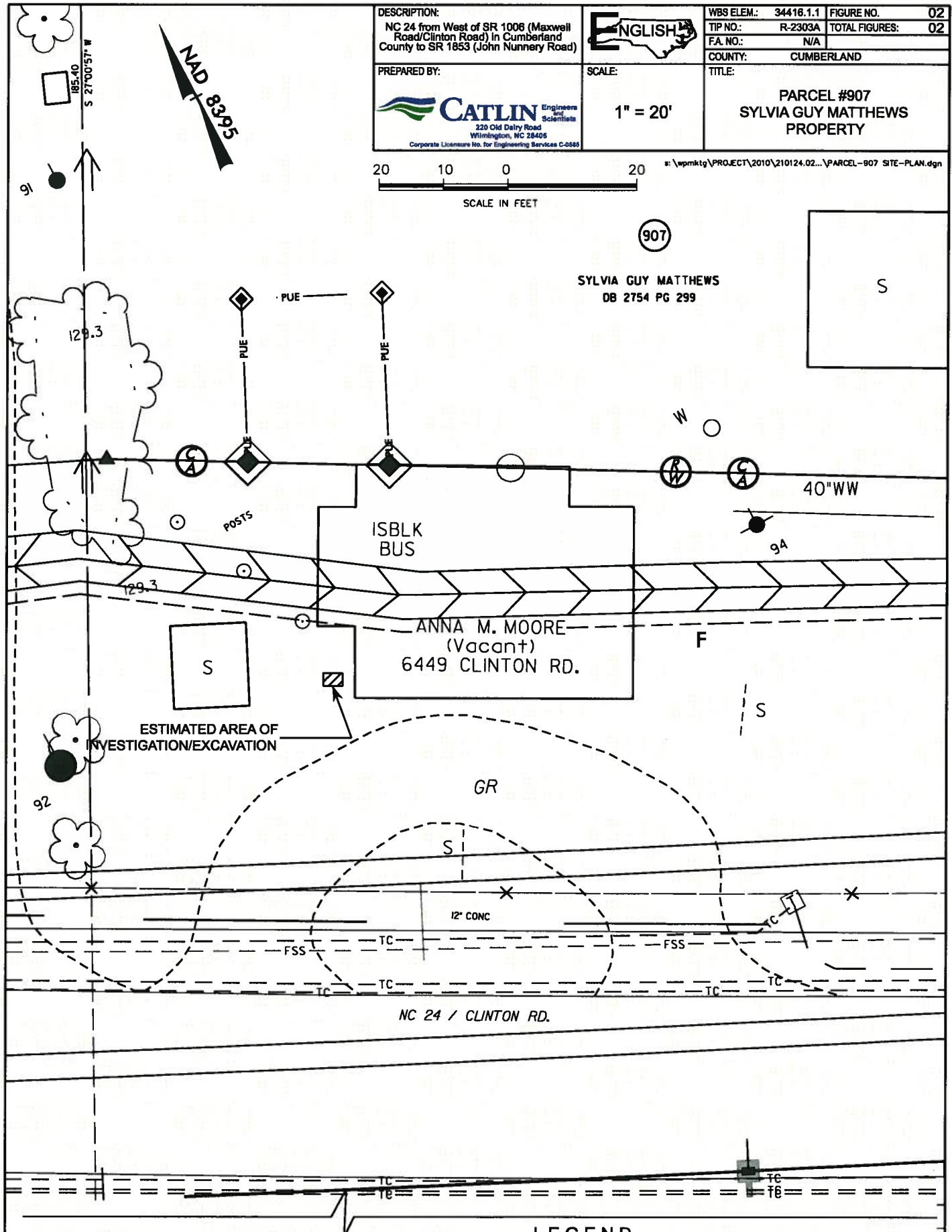
PREPARED BY:

 220 Old Delly Road
 Wilmington, NC 28405
 Corporate License No. for Engineering Services C-0585




WBS ELEM.:	34416.1.1	FIGURE NO.:	02
TIP NO.:	R-2303A	TOTAL FIGURES:	02
FA. NO.:	N/A		
COUNTY:	CUMBERLAND		
TITLE:	PARCEL #907 SYLVIA GUY MATTHEWS PROPERTY		



\\wpmktg\PROJECT\2010\210124.02...\PARCEL-907 SITE-PLAN.dgn



NOTE:
 1. BASE MAP ADAPTED FROM NCDOT SUPPLIED DRAWING.
 2. UNDERGROUND UTILITIES IDENTIFIED BY NC-ONE-CALL AND GEOPHYSICAL INVESTIGATION NOT SHOWN.

LEGEND	
NEW	DESCRIPTION
	SUSPECTED USTS IDENTIFIED DURING GEOPHYSICAL INVESTIGATION

PHOTOGRAPHS

**SYLVIA GUY MATTHEWS (ANNA M. MOORE) PROPERTY – PARCEL 907
6449 CLINTON ROAD
STEDMAN, NC**



November 19, 2010 – Looking east, possible UST location identified during geophysical investigation near southwest corner of building.



November 19, 2010 – Looking north, possible UST location identified during geophysical investigation near southwest corner of building.



July 6, 2011 – Looking east at southwest corner of building and suspected UST location following excavation investigation.