

GDOT ARCHAEOLOGICAL SHORT FORM FOR NEGATIVE FINDINGS

Phase I Archaeological Survey Addendum of the Walther Boulevard at SR 316 Grade Separation

Report Title: Project

Prime Consultant: Atkins

Sub Consultant: Brockington and Associates, Inc.

GDOT Project No.: MSL-0003-001 (168) P.I. No.: PI 0010425

GA SHPO HP#: 040204-002

Draft Report Submitted on: 1 / 11 / 13

PROJECT LOCATION AND AREA OF POTENTIAL EFFECT

County(ies):

Gwinnett

USGS Quadrangle(s):

1992 Luxumni, Georgia

Project Description:

See Attachment

Area of Potential Effect (APE):

Because of the nature and scope of the undertaking, the APE is limited to the existing and proposed rights-of-way as well as easements for the proposed project within which all construction and ground disturbing activity would be confined.

SURVEY CONDITIONS

Soil Descriptions:
See Attachment

Topography:

The project corridor is on a relatively flat hilltop that has been heavily altered by commercial and residential development, as well as the construction of SR 316 and Walther Blvd.

Land Use/Vegetation/Ground Cover:

There are narrow strips of woods, primarily pines, running parallel to SR 316. There is also a wooded tract at the southeast corner of SR 316 and Walther Blvd. The rest of the corridor consist of apartment complexes and one office complex. In the developed areas, the right-of-way along Walther Blvd consists of sidewalks, ditches, graded slopes, and earthen privacy berms.

Survey Limitations and Disturbance(s):
see attachment

Survey Methods:

30-meter (98.5 ft) interval shovel testing along 13 transects. Shovel and 1/4 inch screen were used. Shovel tests were approximately 30-by-30-centimeters (cm) (12-by-12-inches [in]), and were excavated into sterile subsoil. Surface inspection was conducted where possible.

No. of STs: 81 No. of Transects: 13

- This archaeological survey included all areas of the APE and an additional 100 foot expanded survey corridor.
- This archaeology survey covers the APE only and does not require the survey of the additional 100 foot expanded corridor.

ARCHAEOLOGICAL BACKGROUND RESEARCH

Previously Recorded Sites:

Site Number	Site Type	NRHP Eligibility	Year Recorded	Distance From APE
9GW599	Quartz Lithic Scatter	Unknown	2005	0.6 mile (0.9 Km)

Previous Surveys:

2005 Archaeological Survey of Proposed Improvements to a Portion of SR 316, Gwinnett County, Georgia: Breckinridge Road to just east of Progress Center Avenue (14.6 kilometers [9.1 mile]). 2008 Addendum project followed the same corridor with minor corridor shifts (additional right-of-way and easement areas).

Ref:
see attached

ATTACHMENT CHECKLIST

- 1. Project Location Map
- 2. USGS Topographic Map
- 3. References Cited
- 4. VITA
- 5. Photograph(s)
- 6. Field Notes

CONSULTANT INFORMATION

Archaeological Consultant: Brockington and Associates, Inc.

Address: 6611 Bay Circle Suite 220 Norcross, Georgia 30071

Phone No.: (678) 638-4128

Principal Investigator: Mike Reynolds

Project Archaeologist: James Page

CONSULTANT CERTIFICATION

I, the Principal Investigator: Mike Reynolds do hereby certify that the Area of Potential Effect (as described on Page 1 of this form) for GDOT Project MSL-0003-001 (168), Gwinnet County has been thoroughly surveyed for archaeological resources and that no such resources were located or identified.

PI Signature: 

Comments:

REVIEW

GDOT Archaeologist:  Date: 2 / 20 / 2013

Comments:

Draft Accepted as Final
By agreement, because no archaeological resources were located within the project's area of potential effect, no signed concurrence from the State Historic Preservation Office is required.

Cc:

- Dr. David Crass, Director and Deputy SHPO
- Mr. Rodney Barry, P.E., FHWA (Attn: Kelly Wade)
- Eastern Band of Cherokee Indians, Muscogee (Creek) Nation, Muscogee (Creek) National Council,
- Poarch Band of Creek Indians, and Seminole Tribe of Florida

MICHAEL REYNOLDS
HISTORIAN/ARCHAEOLOGIST

EDUCATION

M.A. in Heritage Preservation (2006), Georgia State University
B.A. in Anthropology (1989), Georgia State University

AREAS OF SPECIALIZATION

Architectural survey
Archival research
Archaeological survey and testing
Genealogical research
Cemetery survey, delineation, relocation

PROFESSIONAL SOCIETY MEMBERSHIP

Georgia Council of Professional Archaeologist
Georgia Municipal Cemetery Association
Georgia Trust for Historic Preservation

PROFESSIONAL POSITIONS

Architectural Historian, Brockington and Associates, (1999-present)
Archaeologist, Brockington and Associates, (1999-present)
Archaeological Technician, Brockington and Associates, (1990-1998)

EXPERIENCE

2012 Context Development and Public Outreach Document Preparation for the Former Lorenzo Benn Youth Development Center, Fulton County, Georgia. Document prepared for the Georgia Army National Guard.

2012 Assessment of Effects, Former Lorenzo Benn Youth Development Center, Fulton County, Georgia. Report prepared for Northwind, Inc. and the Georgia Army National Guard.

2011 Assessment of Effects, Former Georgia School for the Blind, Macon RTI Tract, Macon, Georgia. Report prepared for Northwind, Inc. and the Georgia Army National Guard.

2011 Archaeological Survey for the Sylvester Georgia Streetscape Project (South Isabella Street and West Kelly Street). Report prepared for TTL, Inc.

2011 Cultural Resources Survey of the Proposed State Industrial Access Road for the Wacker Industrial Park, Bradley County, Tennessee. Report prepared for Volkert and Associates, Inc., Chattanooga, Tennessee and the Tennessee Department of Transportation.

2010 Assessment of Effects: Alternative 3 Site for the Proposed Improvements to or Replacement of the Griffin-Spalding County Airport Spalding County, Georgia. Report Prepared for the LPA Group, Inc., Atlanta, Georgia.

2010 Phase I Cultural Resources Survey of the Preferred Build Alternative Site for the Proposed Griffin-Spalding County Airport Spalding County, Georgia. Report Prepared for the LPA Group, Inc., Atlanta, Georgia.

2009 Cultural Resource Survey of the S64, Anderson Mill Road Bridge over the North Tyger River replacement project, Spartanburg County, South Carolina.

2008 Cultural resources survey of the Ponce de Leon Avenue/Scott Boulevard Sidewalks Corridor, DeKalb County, Georgia.

Project Description

P.I. 0010425 is the grade separation of Walther Boulevard over SR 316 in Gwinnett County that is partially located in the City of Lawrenceville. The proposed project is approximately 0.3 miles in length and consists of a four span bridge 404 feet in length. The bridge span and arrangement do not preclude the addition of a High Occupancy Vehicle (HOV)/Managed Lane access point as well as the subsequent required widening of SR 316. Walther Boulevard would consist of two 12-foot travel lanes, a 14-foot two-way left turn lane and 16-foot shoulders consisting of a five-foot pedestrian sidewalk.

Proposed project 0010425, Walther Boulevard at SR 316 grade separation, was originally evaluated in an Environmental Assessment (EA)/Finding of No Significant Impact (FONSI) as part of PI 0003168 and along with PI 0004086. PI 0003168 is the addition of HOV lanes along SR 316 from roughly 1-85 to Cedars Road (a distance of 8.8 miles). PI 0004086 is the grade separation and operational improvements to Collins Hill Road and SR 20. PI 0004086 is currently under construction. PI 0003168 is unfunded (LRI).

The proposed grade separation at Walther Boulevard/SR 316 (PI 0010425) has been programmed for Fiscal Year (FY) 2014 Right-of-way (ROW). Although the proposed improvements were originally evaluated as part of 0003168, the grade separation of Walther Boulevard at SR 316 is an independent project from the construction of the SR 316 HOV lanes. Therefore, this investigation will only provide updated information for the area affected by PI 0010425.

Soil Descriptions

Soils in the project APE were described as Gwinnett Clay loam 2 to 6 percent slopes, eroded; Gwinnet Clay Loam 6 to 10 percent slopes, eroded; and Madison Sandy Clay Loam 15 to 45 percent slops, eroded.

Soils in the project corridor along Walther Boulevard, south of SR 316, consisted of 2.5YR 4/6 red sandy clay 0-24 centimeters below surface (cmbs) overlying 5YR 3/4 dark reddish brown clay subsoil 24-34 cmbs. However, in some areas 5YR 3/4 dark reddish brown clay subsoil was encountered at five cmbs. In the Expanded Survey Corridor (ESC) soils were the same.

Soils in the project corridor along the south side of SR 316 consisted of 5YR 3/4 dark reddish brown sandy clay/loam 0-24 cmbs overlying 5YR 3/4 dark reddish brown clay subsoil 24-34 cmbs. However, in some areas 5YR 3/4 dark reddish brown clay subsoil was encountered 0-10 cmbs. In the ESC soils were the same east of Walther Boulevard. West of Walther Boulevard were apartment buildings.

Soils in the project corridor along the north side of SR 316 consisted of 5YR 3/4 dark reddish brown sandy clay 0-10 cmbs overlying 5YR 3/4 dark reddish brown clay subsoil 10-20 cmbs. However, in some areas 5YR 3/4 dark reddish brown clay subsoil was encountered 0-10 cmbs. In the ESC soils were the same.

Survey Limitations and Disturbances

In the developed areas, the right-of-way along Walther Blvd, south of SR 316, consists of sidewalks, ditches, graded slopes, and earthen privacy berms. In many areas buried utilities are present. Within the ESC west of Walther Boulevard is an apartment complex. The only somewhat undisturbed area of the corridor and the ESC is the wooded tract at the southeast corner of SR 316 and Walther Boulevard (Photographs 1 through 7).

The project corridor along Walther Boulevard, north of SR 316, consists of sidewalks, ditches, graded slopes, and earthen privacy berms. Buried utilities are also present on both sides of the road. Within the ESC on both side of the road are apartment complexes (Photographs 12 through 14 and 18).

The right-of-way of SR 316 consists of heavily graded areas and graded slopes. The median of SR 316 consists of graded slopes and a ditch. Within the ESC are apartment complexes and wooded areas (Photographs 5 through 12, 16 and 17).

References Cited

Bing Maps

2012 *Bing Maps*. Aerial imagery with labels web mapping service provides worldwide orthographic aerial and satellite imagery with roads and labels overlaid. Coverage varies by region. Official website: <http://www.bing.com/maps>. ArcGIS website: <http://www.arcgis.com>. Accessed January 2013.

Georgia Department of Transportation (GDOT)

1998 *Gwinnett County Highway Map*. Prepared by the Department of Transportation Division of Planning and Programming, Office of Information Services, in cooperation with the U.S. Department of Transportation Federal Highway Administration.

Gresham, Thomas H.

2008 *Archaeological Survey of Proposed Improvements to a portion of SR 316, Gwinnett County, Georgia-Addendum* (GDOT Project MSL-0003-00 (168) and MSL-0004-00 (086); P.I. nos. 0003168 and 0004086) Prepared by Southeastern Archaeological Services, Inc. Prepared for PBS&J and the Georgia Department of Transportation.

2005 *Archaeological Survey of Proposed Improvements to a portion of SR 316, Gwinnett County, Georgia* (GDOT Project MSL-0003-00 (168) and MSL-0004-00 (086); P.I. nos. 0003168 and 0004086) Prepared by Southeastern Archaeological Services, Inc. Prepared for PBS&J and the Georgia Department of Transportation.

United States Department of Agriculture (USDA) and the Natural Resources Conservation Service (NRCS)

2013 *Custom Soil Resource Report for DeKalb County, Georgia*. Official Website:

<http://soils.usda.gov/>. Accessed 01/07/13.

United States Geological Survey

1992 *Luxumni Georgia* 7.5 minute USGS topographic quadrangle.

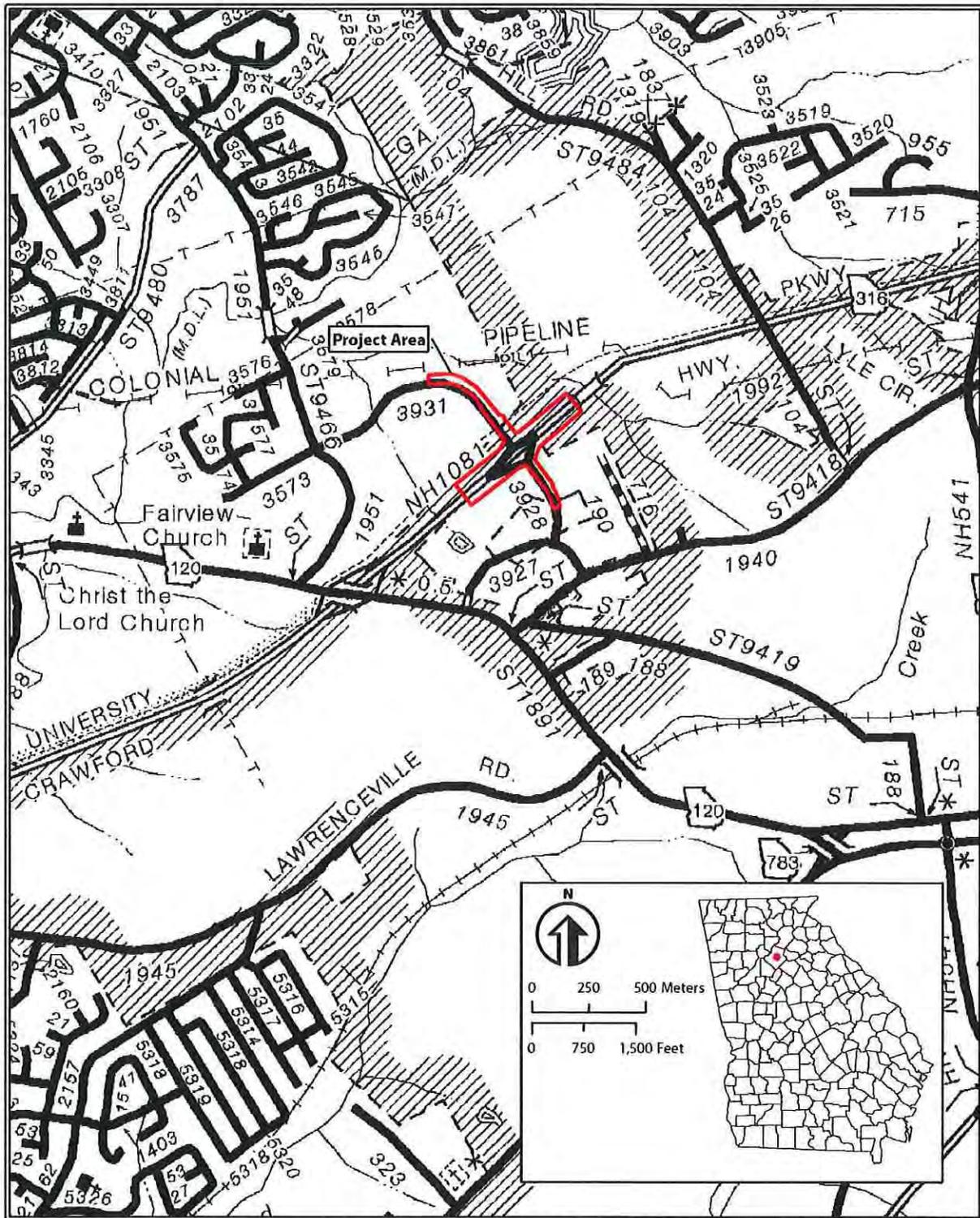


Figure 1. Location of the project corridor (P.I. 0010425) (Georgia Department of Transportation [GDOT] 1998).

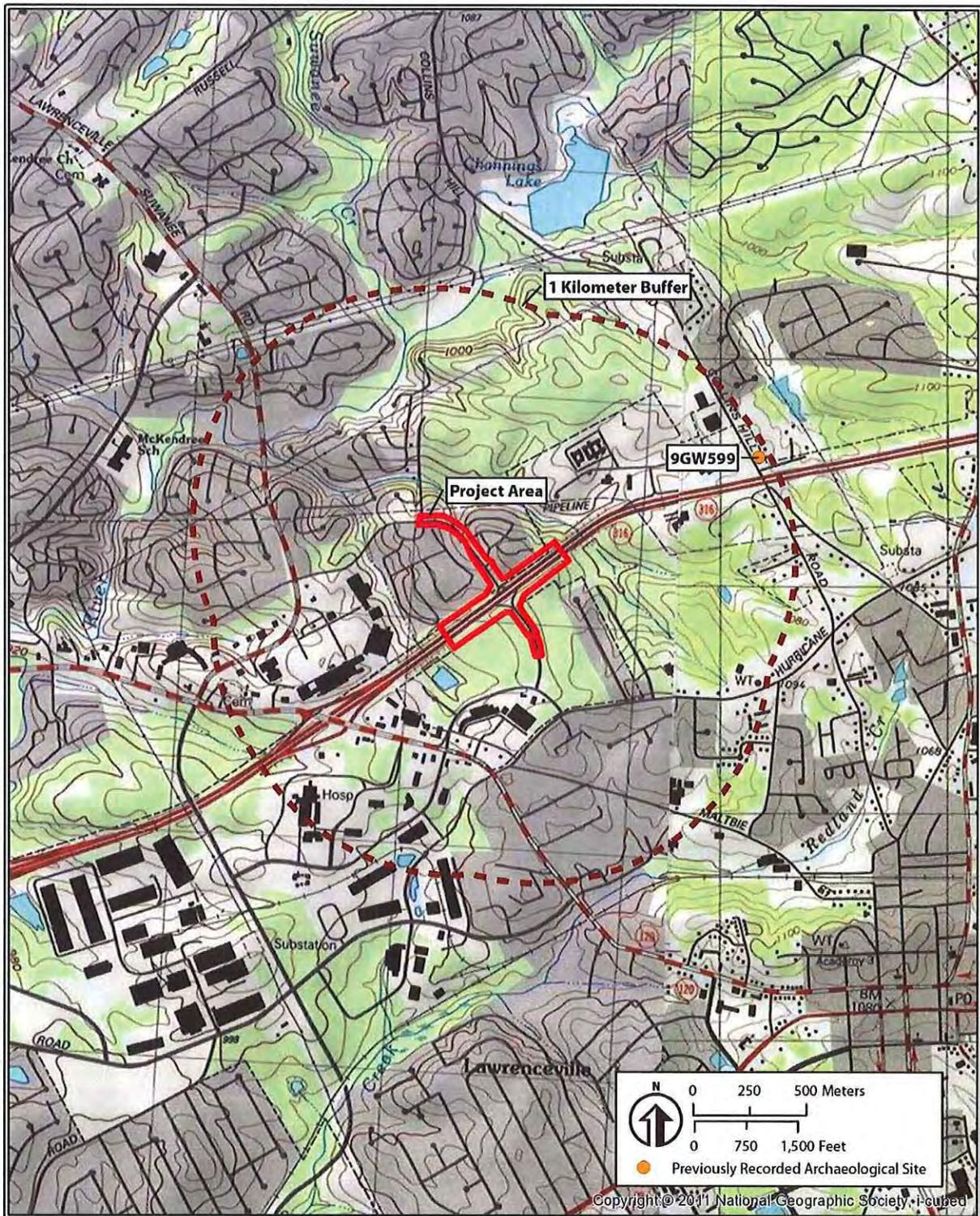


Figure 2. Location of previously recorded sites within one kilometer (0.62 mile) of the project corridor (1992 *Luxummi*, Georgia USGS 7.5 minute topographic quadrangle).

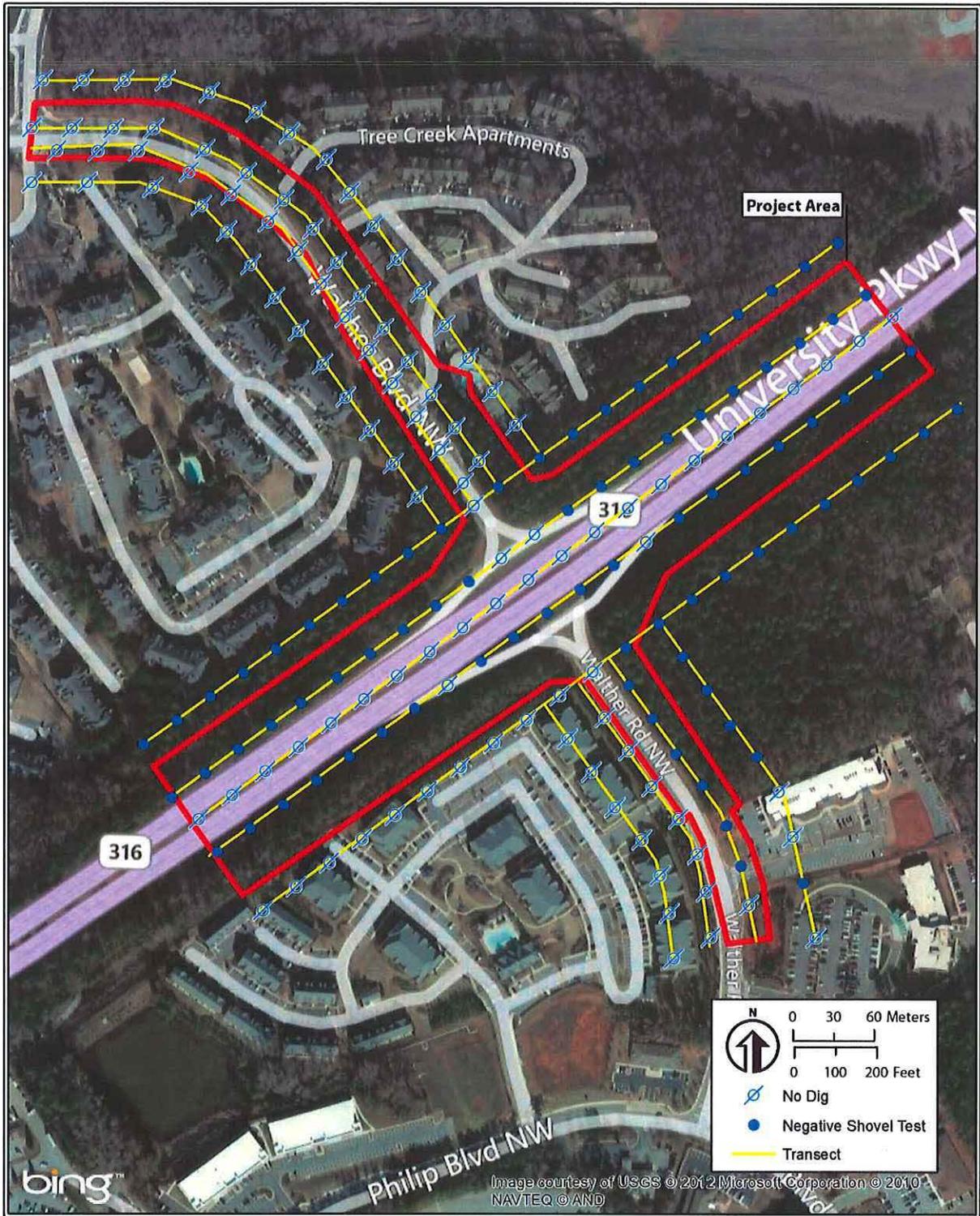
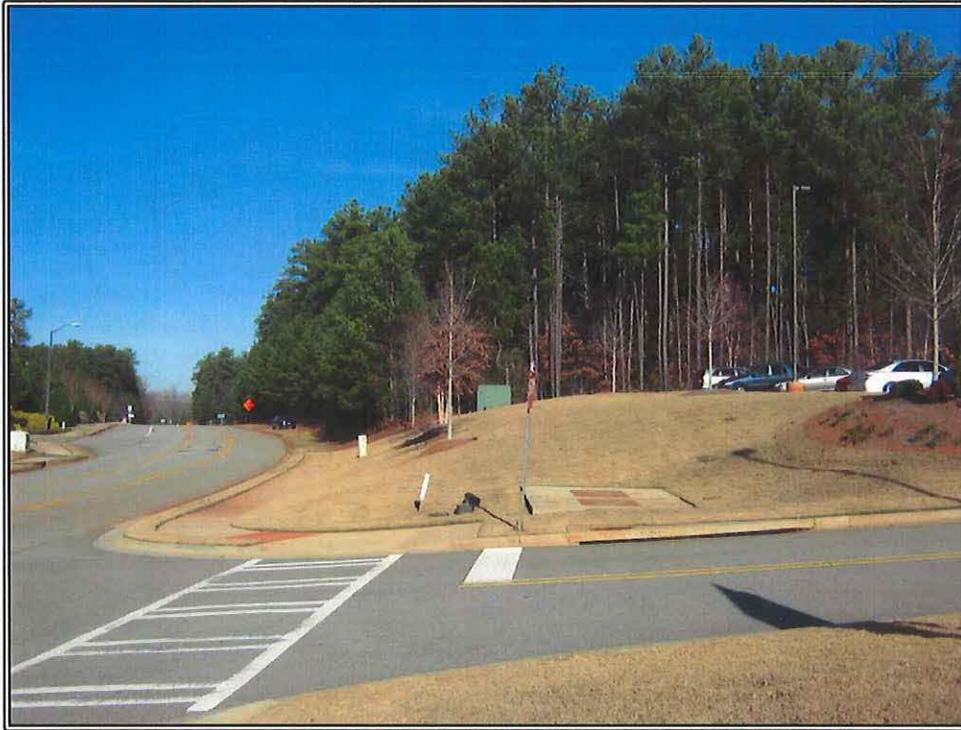


Figure 3. Transect and shovel test map of the project corridor (Bing Maps 2013).



Figure 4. Photograph location map (Bing maps 2013).



Photograph 1. View of the project corridor along the east side of Walther Boulevard, south of SR 316, looking north.



Photograph 2. View of the project corridor along the west side of Walther Boulevard, south of SR 316, looking north.



Photograph 3. View of the project corridor along the west side of Walther Boulevard, south of SR 316, looking north.



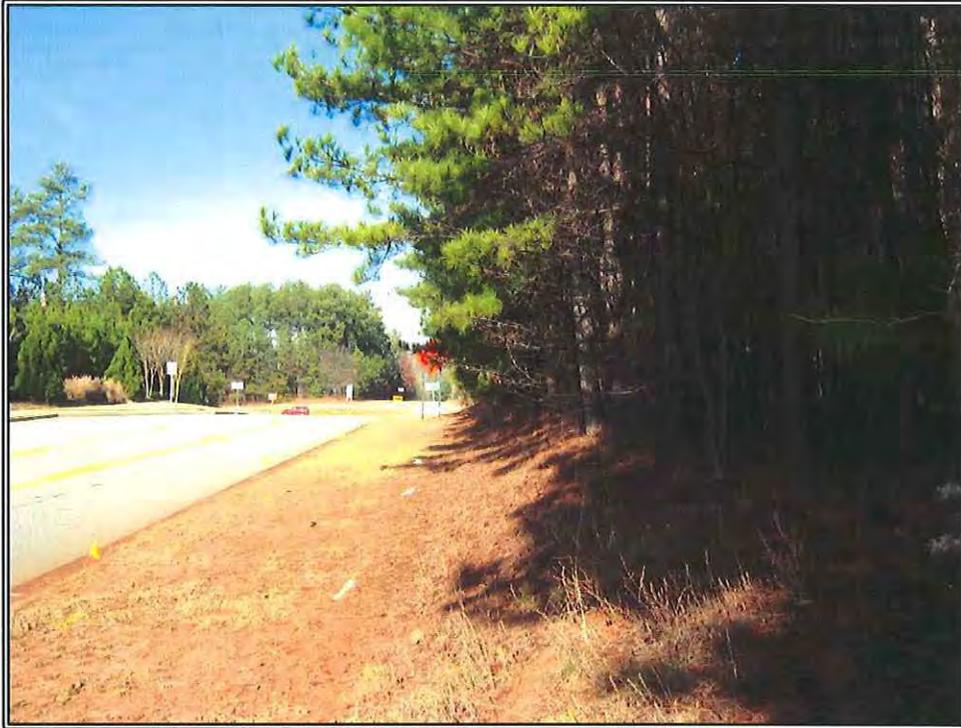
Photograph 4. View of the project corridor along the west side of Walther Boulevard, south of SR 316, looking north.



Photograph 5. View of the project corridor on the south side of SR 316, at Walther Boulevard, looking north.



Photograph 6. View of the project ESC along the east side Walther Boulevard, south of SR 316, looking south.



Photograph 7. View of the project corridor along the east side Walther Boulevard, south of SR 316, looking north.



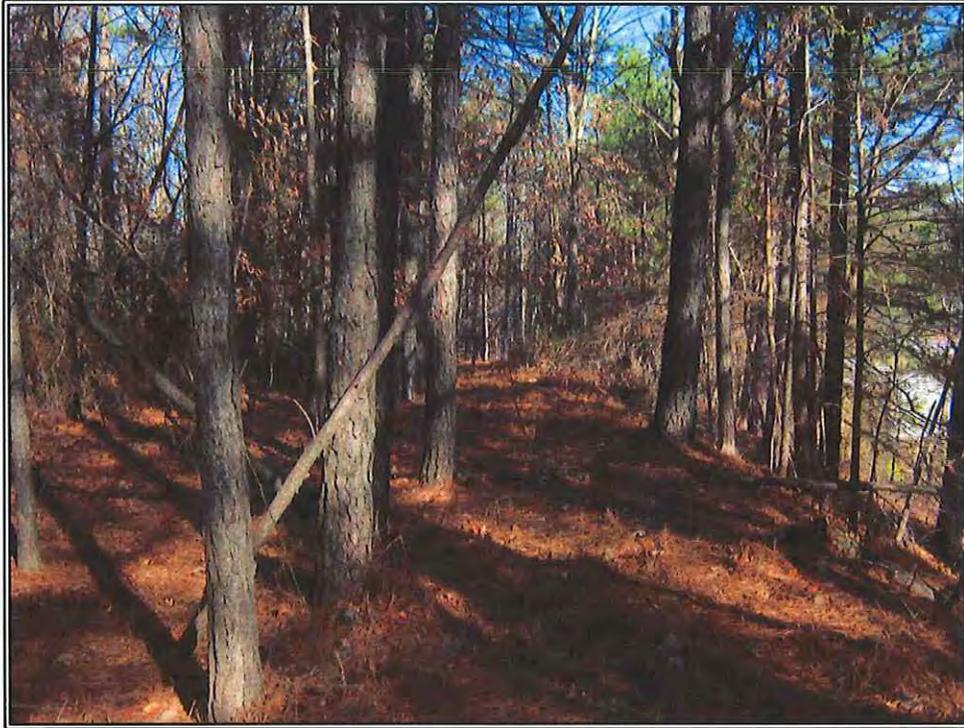
Photograph 8. View of the project corridor along the south side of SR 316, west of Walther Boulevard, looking west.



Photograph 9. View of the project corridor along the south side of SR 316, east of Walther Boulevard, looking west.



Photograph 10. View of the project ESC along the north side of SR 316, east of Walther Boulevard, looking west.



Photograph 11. View of the project corridor along the north side of SR 316, east of Walther Boulevard, looking east.



Photograph 12. View of the project corridor on Walther Boulevard, north of SR 316, looking north.



Photograph 13. View of the project corridor along the east side of Walther Boulevard, showing embankment cut and buried utilities, looking north.



Photograph 14. View of the project corridor along the west side of Walther Boulevard, showing embankment cut and sidewalks, looking north.



Photograph 15. View of the project corridor along the north side of SR 316, East of Walther Boulevard, looking west.



Photograph 16. View of the project corridor along the north side of SR 316, west of Walther Boulevard, looking west.



Photograph 17. View of the project corridor along the north side of SR 316, west of Walther Boulevard, looking west.



Photograph 18. View of the project corridor along Walther Boulevard, north of SR 316, looking south.

PI001045
4253

Weather Band

James Berg
12/19/12

S1 Apartment complex abuts
Wetland. Hrs at weather between
Road and fence of complex is heavily
disturbed from Wetland. It should
will be Pests Documented.

S2 Is wooded between 316 and
Office complex along Wetland.
Site can be placed at Trailing
and 100ft into trees.

All Wooded Area to 316. Further South
is the same Apartment complex (100ft) from
from S1. TRC will remove 316 in
wooded area. But cannot put a fence
South TR due to Apartments.

E1 Wooded and able to put 2 berms
One @ 316 @ shoulder + one 100ft
further South (Close to TR)

E2

Wooded part of Way. Will be able
to get through along 316 @ Wood Ave.
But part of 100ft buffer North is now
a grassy area

N2 Apartment complex close to road. Also
close to road Hilltop - Hunt
Ditched

N1 Large apartment complex along
Hilltop rd. to south and
close to 316 (412).

PI0010425

S2

IR A closest to North Road.

Going from South to North Ending at 3/6. 5/2 to 3/6. (see also Pgs. 1)

570 L-2 mix N.C.A. very fine sand

0-18 1/2 1/2 fine clay

18- 2/10 clay

572 0-24 2.5 yr 4/6 5/2

24- 5/2 3/4 clay

573 0-13 2/10 5/2 clay

13- 2/10 clay

574 0-9 2/10 5/2 clay

9- 2/10 clay

575 0-5 2/10 5/2 clay

5- 2/10 clay

576 0-5 2/10 5/2 clay

5- 2/10 clay

+15m to corner of 3/6

- END - (6)

TRS From South to North END
 316
 511 0-10 P18 Sunday day
 512 0-6 P18 Sunday
 513 0-13 P18 Sunday day
 514 0-7 P18 Sunday day
 515 0-5 P18 Sunday day
 516 5- P18 Sunday day
 -7.20 on with 7 tank not
 up - didn't see anyone.
 END
 (5)

TRS
 517 0-10 P18 Sunday day
 518 0-15 P18 Sunday day
 519 0-24 P18 Sunday day
 520 0-11 P18 Sunday day
 521 0-4 P18 Sunday day
 522 0-3 P18 Sunday day
 523 0-4 P18 Sunday day
 524 0-11 P18 Sunday day
 525 0-24 P18 Sunday day
 526 0-15 P18 Sunday day
 527 0-10 P18 Sunday day
 10 - P18 day
 Slowing down to creek.

517 Very good
 518 (P18 day) @ surface
 519 Very good
 520 Very good
 521 Very good
 522 Very good
 523 Very good
 524 Very good
 525 Very good
 526 Very good
 527 Very good

517 Very good
 518 (P18 day) @ surface
 519 Very good
 520 Very good
 521 Very good
 522 Very good
 523 Very good
 524 Very good
 525 Very good
 526 Very good
 527 Very good

575 0-18 P/B Sunday day
 576 0-11 P/B Sunday from
 577 0-25 P/B Sunday from
 578 0-12 P/B Sunday day
 579 0-10 P/B Sunday day
 580 0-10 P/B Sunday day
 581 0-6 P/B Sunday day
 582 0-10 P/B Sunday day
 583 0-10 P/B Sunday day
 584 0-8 P/B Sunday day
 585 0-10 P/B Sunday day
 586 0-10 P/B Sunday day
 587 0-10 P/B Sunday day
 588 0-10 P/B Sunday day
 589 0-10 P/B Sunday day
 590 0-10 P/B Sunday day
 591 0-10 P/B Sunday day
 592 0-10 P/B Sunday day
 593 0-10 P/B Sunday day
 594 0-10 P/B Sunday day
 595 0-10 P/B Sunday day
 596 0-10 P/B Sunday day
 597 0-10 P/B Sunday day
 598 0-10 P/B Sunday day
 599 0-10 P/B Sunday day
 600 0-10 P/B Sunday day

575 0-18 P/B Sunday from
 576 0-11 P/B Sunday from
 577 0-25 P/B Sunday from
 578 0-12 P/B Sunday day
 579 0-10 P/B Sunday day
 580 0-10 P/B Sunday day
 581 0-6 P/B Sunday day
 582 0-10 P/B Sunday day
 583 0-10 P/B Sunday day
 584 0-8 P/B Sunday day
 585 0-10 P/B Sunday day
 586 0-10 P/B Sunday day
 587 0-10 P/B Sunday day
 588 0-10 P/B Sunday day
 589 0-10 P/B Sunday day
 590 0-10 P/B Sunday day
 591 0-10 P/B Sunday day
 592 0-10 P/B Sunday day
 593 0-10 P/B Sunday day
 594 0-10 P/B Sunday day
 595 0-10 P/B Sunday day
 596 0-10 P/B Sunday day
 597 0-10 P/B Sunday day
 598 0-10 P/B Sunday day
 599 0-10 P/B Sunday day
 600 0-10 P/B Sunday day

TRC is changed to 316 + will
 run from East to West

TLF from East to West coast same
 of TLF.

(11)

(12)

F1
 726 Closest to 316, from from West
 & Est

571 0-6 P18 sandy clay
 572 0-8 P18 sandy clay
 573 8- P18 clay
 574 Sub (P18 clay) @ surface φ
 575 Sub @ surface φ
 576 Sub @ surface φ
 577 Steeply down Sub @ surface φ
 578 Sub @ surface φ
 579 Sub @ surface φ
 580 Sub @ surface φ
 581 Still Sub @ surface φ

FND

572 0-5 P18 sandy clay
 φ 5- P18 clay
 573 Sub (P18 clay) @ surface φ
 574 Sub @ surface φ
 575 Sub @ surface φ
 576 0-5 P18 sandy clay
 φ 5- P18 clay
 577 0-12 P18 sandy clay
 φ 12- P18 clay
 578 0-6 P18 sandy clay
 φ 6- P18 clay
 579 Gully leading into creek
 φ Sub @ surface
 580 Gully Sub @ surface φ
 581 No Room
 Almonds too
 down to 216

TR H 100ft North of TR G. Loop
Ent to west

ST1 Stage Sub @ Surface ϕ

ST2 Skirt Sub @ Surface ϕ

ST3 Skirt Sub @ Surface ϕ

ST4 Apparent compct to $\approx 20m$
from TR C

Sub @ Surface ϕ

ST5 0-9 Sandy clay R/B
 ϕ 9: R/B clay

ST6 Sub @ Surface ϕ

ST7 0-4 R/B Sandy clay
 ϕ 4- R/B clay

ST8 Sub @ Surface ϕ

ST9 Sub @ Surface ϕ

ST10 Sub @ Surface ϕ END

(10)

TR I

TR I Class-57 to 316 km. Ent to west

ST1 0-8 R/B Sandy clay
 ϕ 8- R/B clay

ST2 0-11 R/B Sandy clay
 ϕ 11- R/B clay

ST3 0-4 R/B Sandy clay
 ϕ 4- R/B clay

ST4 Sub (R/B clay) @ Surface ϕ

ST5 Skirt & crest

ϕ 0-6 R/B Sandy clay
 ϕ 6- R/B clay

ST6 Skirt Sub @ Surface ϕ

ST7 Skirt Sub @ Surface ϕ

ST8 Skirt Sub @ Surface ϕ

ST9 Sub @ Surface ϕ

ST10 Sub @ Surface ϕ END

(10)

TR 5 North of T.I. T.I. 5 mi
 about 15-20 m apart
 - Start with T.G. East to Rd.
 ST 1 0-6 N10 S40W clay
 8 6 - N10 clay
 ST 2 0-9 N10 S40W clay
 9 9 - N10 clay
 ST 3 0-5 N10 S40W clay
 8 5 - N10 clay
 ST 4 0-10 N10 S40W clay
 8 10 - N10 clay
 ST 5 0-8 N10 S40W clay
 8 8 - N10 clay
 ST 6 0-5 N10 S40W clay
 8 5 - N10 clay
 ST 7 Sub-surface layers
 ST 8 0-2 N10 S40W clay
 8 8 - N10 clay

ST 9 0-3 N10 S40W clay
 8 3 - N10 clay
 ST 10 Sub-surface layers
 END
 (10)