COBB COUNTY
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION

Interstate North Parkway @ Interstate North Circle Thoroughfare Improvements
Project No. E4190/P.I. No. 0013966
October 18, 2016

ADDENDUM NO. 1

Proposals Received Until October 27, 2016 – 12:00 Noon Local Time

The following addendum hereby amends and/or modifies the Bid Documents and Contract Specifications as issued for this project. All bidders are subject to the provisions of this Addendum. **Bidders shall acknowledge receipt of this addendum.**

NOTE: Addenda and plan holder lists will be posted online at the following websites:
Cobb County Purchasing
http://www.cobbcounty.org/index.php?option=com_content&view=article&id=1963&Itemid=629
Cobb County DOT
http://www.cobbcounty.org/index.php?option-com_content&view=article&id=904&Itemid=607
Bid Express
www.bidexpress.com

Receipt of addenda must be acknowledged online at www.bidexpress.com. It is the bidder's ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal and to utilize the latest bid schedule.

Proposals may be rejected if any of the Unit Prices are obviously unbalanced. The County will decide whether any Unit Prices are unbalanced either excessively above or below a reasonable cost analysis value determined by the Engineer, particularly if these unbalanced amounts are substantial and contrary to the interest on the County.

A Disadvantaged Business Enterprise (DBE) PARTICIPATION GOAL OF 10% has been established for this project. Bidders shall comply with 49 C.F.R. Part 26 in their efforts to attain this goal. Bidders shall be required to document sufficient DBE participation to meet this goal, or alternatively document good faith efforts to do so.

In an effort to meet Title VI requirements, contractors are encouraged to fill out the form in the bid package. This is strictly voluntary. Please place form in a separate envelope and deliver to Cobb County Purchasing Department.

Questions should be sent via email, no later than 2:00 p.m. on Friday, October 21, 2016, **to purchasing@cobbcounty.org**

Please see attached Special Provision, Section 154.

I. BID SCHEDULE

Revised bid schedule will be issued in Addendum No. 2.

II. PLANS

Please see revised plans.

Michael L. Francis, P.E.
Pre-Construction Engineer

MLF/WK/jan
cc: *Electronic copies:*
Cobb County Purchasing (w/hard copy)
Jim Wilgus, CCDOT
Erica Parish, Deputy Director
Obie Brannon, CCDOT Construction
Brook Martin, CCDOT Operations
Wade Kelly, CCDOT Construction
Adam Lewis, CCDOT Construction
Kelly Patrick, CCDOT Operations
David Muller, CCDOT Utility Coordinator
Andy Rikard, CCDOT Utility Coordinator
Dyan Merced, CCDOT Engineering Division
Kari Parramore, CCDOT Construction
Jane Stricklin, CCDOT, Operations
Karen Matthews, CCDOT Engineering
Brian Loudermilk, CCDOT Engineering Division
Attachments: Prebid Minutes, Revised Plans, Special Provision 154

Interstate North Parkway @ Interstate North Circle Thoroughfare Improvements
Project No. E4190/P.I. No. 0013966
PREBID CONFERENCE
Bid Date: October 27, 2016 – 12:00 Noon Local Time

DATE: October 18, 2016

ATTENDEES: See Attached Sign-in Sheet

MEETING MINUTES:

(1) This is the Prebid Conference for Cobb DOT **PROJECT NO. E4190, Interstate North Parkway @ Interstate North Circle Thoroughfare Improvements. Electronic bids** will be received via **Bid Express at www.bidexpress.com** on behalf of the Cobb County Board of Commissioners, until **12:00 noon on October 27, 2016. NO BIDS WILL BE ACCEPTED AFTER THE 12:00 NOON DEADLINE**. Those received late will be unopened. No submitted bid may be withdrawn after the scheduled bid opening time for a period of ninety (90) days.

The bids will be publicly opened and read aloud at **2:00 p.m. on October 27, 2016, at the Cobb County Purchasing Department, 122 Waddell Street, Marietta, GA, 30060.**

All bids shall be accompanied by an Electronic Bid Bond via Bid Express a Paper Bid Bond, or a Certified Check delivered in a sealed envelope, indicating the project name and project number, to Cobb County Purchasing Department, 122 Waddell Street, Marietta, Georgia 30060, BEFORE THE 12:00 NOON DEADLINE. Bid Bond shall be drawn in favor of the Board of Commissioners, Cobb County, Georgia, in the amount of five percent (5%) of the bid for the complete work.

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Cobb County Purchasing
http://www.cobbcounty.org/index.php?option=com_content&view=article&id=1963&Itemid=629
Cobb County DOT
http://www.cobbcounty.org/index.php?option-com_content&view=article&id=904&Itemid=607
Bid Express
www.bidexpress.com

Receipt of addenda must be acknowledged online at www.bidexpress.com. It is the bidder's ultimate responsibility to ensure that they have all applicable addenda prior to bid submittal and to utilize the latest bid schedule.

Proposals may be rejected if any of the Unit Prices are obviously unbalanced. The County will decide whether any Unit Prices are unbalanced either excessively above or below a reasonable cost analysis value determined by the Engineer, particularly if these unbalanced amounts are substantial and contrary to the interest on the County.

DO NOT DELIVER BIDS TO COBB DEPARTMENT OF TRANSPORTATION.

Minutes of this meeting and any revisions will be issued as Addendum No. 1, including a revised bid schedule.

CCDOT will update web sites and social media on a weekly basis based on information provided by the contractor. It will be the requirement of the contractor to coordinate all work occurring within the project limits including utility companies, sub-contractors, etc. for a comprehensive look to the week and weeks ahead with Cobb County through a Friday morning email report. Any and all costs to conform to this requirement shall be included in the cost bid for other items.

(2) **Introduction of Special Representatives in attendance.**

(3) **Project Description:**

This project will provide intersection and operational improvements and pedestrian accommodations along Interstate North Parkway, Interstate North Circle and Windy Ridge Parkway. The total project length is approximately 0.98 miles. The southern intersection of Interstate North Circle and Interstate North Parkway will be realigned and widened. Interstate North Circle will be widened to a four-lane cross section with turn lanes at key intersections and driveways, and sidewalks on both sides. Interstate North Parkway will be reduced to a 2 and 3-lane cross section with turn lanes at key intersections and driveways and the existing sidewalk on the east side will be widened to accommodate bicyclist and pedestrians.

An overall completion date has been established. Work on the project shall be completed by close of business March 31, 2018. An intermediate completion date of March 26, 2017 has been established as specified in Section 150.11C for the following work: Trail installation along Interstate North Parkway from Windy Ridge Parkway north to the end of the project (Sta. 118+00 to 135+46.25); Drainage pipe replacement on Interstate North Circle at approx. Sta. 16+20; Lighting installation along Interstate North Parkway from Windy Ridge Parkway north to the end of the project (Sta. 118+00 to 135+46.25) and along Windy Ridge Parkway.

Failure to complete the overall construction in accordance with the above will result in the assessment of Liquidated Damages at the rate of $1,000.00 per calendar day or portion thereof.

Failure to open the roadway or travel lanes in accordance with Subsection 150.11 will result in the assessment of Liquidated Damages at the rate of $1,000.00 per hour or any portion thereof.

An intermediate completion date of March 26, 2017 has been established as specified in special provision 150.11C. Failure to comply with the intermediate date will result in liquidated damages of $1,000.00 per day

Payment will be made monthly based on approved invoices.

Cobb County Water System work is involved on this project. Only contractors or sub-contractors who have been prequalified with Cobb County Water System are allowed to perform water and sewer relocation work associated with this project. Bidders or their water/sewer subcontractor are required to have a State of Georgia Utility Contractor License.

(4) **Bid Proposal and Contract Documents:**

A Notice of Intent is required on this project.

The Contractor must meet the current bid requirements of the Georgia Department of Transportation.

Project is funded by State and local funds. Accordingly, the successful bidder will be required to comply with all applicable State rules and regulations, as well as those of Cobb County. Project must conform to all Americans with Disabilities Act (ADA) regulations.

All bidders submitting bids in excess of $2,000,000.00 shall be prequalified with the Georgia Department of Transportation (GDOT). All bidders submitting bids $2,000,000.00 or less shall be registered subcontractors or prequalified with GDOT. Subcontractors shall be prequalified or registered with GDOT.

A Disadvantaged Business Enterprise (DBE) PARTICIPATION GOAL OF 10% has been established for this project. Bidders shall comply with 49 C.F.R. Part 26 in their efforts to attain this goal. Bidders shall be required to document sufficient DBE participation to meet this goal, or alternatively document good faith efforts to do so.
DBE firms must be certified with the Georgia Department of Transportation's Equal Employment Opportunity (EE0) office.

(5) **Utility Issues: (continued)**

For all bids for contracts involving utility work as defined in O.C.G.A. 43-14-1 et.seq., the Contractor and/or its subcontractor(s) that will perform utility work must have a valid State of Georgia Utility Contractor License and comply with all applicable provisions of Chapter 14 of Title 43 of O.C.G.A.

The **Contractor** and their subcontractors are required to be in compliance with the "Georgia Security and Immigration Compliance Act." **The Contractor must execute and submit at the time of the bid the "Contractor Affidavit and Agreement," or bid will be determined non-responsive and will be disqualified.**

Contractor shall submit monthly reports of utility coordination correspondence.

It is the Contractor's responsibility to coordinate all utility relocations.

Utility delays due to lack of coordination on behalf of the contractor will not be considered for reprieve from liquidated damages.

This project is considered by the UPC to be a large ticket item.

There are items with a fixed cost. Construction allowance and Utility allowance will be used at the discretion of the project engineer.

(6) **Right-of-Way:**

All right of way has been acquired.

(7) **Special Items to Note:**

All walls shall have an ashlar finish with anti-graffiti coating, cost to be included in price of concrete.

All storm drain shall be R.C.P., only pipe under driveways may be per GDOT selection chart.

All signs that are temporarily removed must be put back in place before the end of the day.

If required the Contractor shall take three-point levels on Widening and Reconstruction Projects and obtain the Engineer's approval of the "best fit" profile and cross slope, to minimize leveling requirements of the existing roadway. The Contractor must get the Engineer's approval of the proposed best fit before beginning widening and reconstruction. This will also apply to all walls, contractor shall layout walls before constructing them to get Engineers approval.

Grass shall be replaced in kind to match existing prior to construction. Sod shall be replaced with sod, seeded grass shall be replaced with seed. There is a pay item for sod to be used in yards and beauty strip.

Trees outside of construction limits are to be removed only as directed by the Engineer.

Contractor will be required to mow grass no less than once a month until final acceptance.

All materials will come from the Georgia Department of Transportation Qualified Products List.

(7) **Special Items to Note: (continued)**

For asphaltic concrete pavement, placement of thermoplastic striping may commence no sooner than a minimum of 15 calendar days, and must be completed within a maximum of 45 calendar days following completion of the final surface course. If incomplete, liquidated damages in the amount of $1,000 per day will apply.

- **No work shall be performed by the Contractor on any County project between the hours of 9:00 p.m. and 7:00 a.m., Monday through Saturday, unless specifically authorized by the County. Contractor shall adhere to the Cobb County Noise Ordinance which prohibits loud or unusual noise between the hours of 9:00 p.m. and 7:00 a.m. Any work performed during these hours will result in the assessment of Non-Refundable Deduction at the rate of $1,000.00/hr or portion of an hour. These damages are in addition to any other specified damages as per Section 108.08, Failure or Delay in Completing Work on Time, or otherwise stated elsewhere in the Contract Documents.**

The contractor shall be required to repair or replace any existing parking lots within or adjacent to provided easements if used by and damaged by the contractor or any sub-contractors working for the contractor.

Section 150.08 Enforcement

(8) **Review:**

Section 108 Prosecution and Progress

Section 150 Traffic Control

(9) **Questions and Answers:**

(10) Questions should be sent via email, **no later than 2:00 p.m. on Friday, October 21, 2016,** to purchasing@cobbcounty.org

Michael L. Francis, P.E.
Pre-Construction Engineer

WK/jan

September 23, 2016

DEPARTMENT OF TRANSPORTATION
COBB COUNTY

SPECIAL PROVISION

Project No. E4190
Project PI No. 0013966

Interstate North Pkwy at Interstate North Circle

Section 154 — Construction Vibration Monitoring

Add the following:

154.1 General Description

This Work consists of performing preconstruction crack surveys, seismograph and other monitoring of construction vibration, and post construction crack surveys of the parking deck located on Parcel 7 at south corner of Interstate North Circle and Windy Ridge Parkway (Interstate North Office Park, LP adjacent to the proposed project construction on Interstate North Circle and Windy Ridge Parkway by procuring the services of a prequalified subcontractor specializing in this work.

154.1.1 Definitions

General Provisions 101 through 150.

154.1.2 Related References

A. Standard Specifications

General Provisions 101 through 150.

B. Referenced Documents

General Provisions 101 through 150.

154.1.3 Submittals

A. Prequalification of Subcontractor

Submit the following documentation for the Engineer's review and approval a minimum of thirty days prior to beginning construction activities on the project:

Evidence of the subcontractor's successful completion of at least five projects similar in concept and scope to the proposed crack survey and vibration monitoring. Include names, addresses and telephone numbers of the owners' representatives for verification.

Résumés of employees performing this work. Provide evidence showing each employee possesses experience and knowledge similar in concept and scope of this work for performing crack surveysand

installing and reading seismographs. The Department will be sole judge of determining if employees are qualified to perform the work on this project.

A detailed survey plan, monitoring plan, and sequence of work that describes all materials, methods and equipment to be used to complete the crack survey and vibration monitoring.

B. Construction Monitoring

Submit the following documentation during construction monitoring:

Preconstruction Crack Survey Report documenting existing conditions of buildings prior to construction activities in accordance with subsection 154.3.03.B.

Monthly Seismograph Data and Data Summary Report and Activity Log of all construction activities within 500 feet (152 meters) of the seismograph in accordance with subsection 154.3.03.A.1.

Reports of building conditions regarding cracks or any other damage potentially caused by construction activities as complaints are received in accordance with subsection 154.3.03.C.

C. Post Construction

Submit a Post Construction Crack Survey Report in accordance with subsection 154.3.03.D documenting post construction condition of cracks or damage identified in the pre-construction survey and cracks or any other damage potentially caused by construction activities.

154.2 Materials

General Provision 101 through 150.

154.3 Construction Requirements

154.3.1 Personnel

Ensure all employees performing this work have been approved by the Engineer in accordance with subsection 154.1.03.A.

154.3.2 Equipment

A. Seismograph

Use a seismograph(s) that is weather proof and capable of continuously recording particle velocity in three perpendicular components with a flat response of 2-250 HZ over a range of at least 0.01 to 5.0 inches per second (0.254 to 127 mm per second). Provide a seismograph(s) that employs an internal dynamic calibration during each recording sequence and that has been shake table tested within the previous 24 months verifying an accuracy of +/- % over the frequency range of 4 to 125 Hertz. Provide a recorder/ software system that is capable of digitally storing and reproducing vibration levels in tabular or histogram (bar graph) form at no greater than six minute intervals.

B. Crack Gauges

Use crack gauges specifically designed for use on this type of work. Utilize a minimum of 15 crack gauges and a maximum of 25 to monitor significant cracks on the interior or exterior of buildings located closest to the construction activities. Submit the proposed locations of crack gauges to the Engineer for review and approval prior to installation. Use crack gauges that do not damage or stain existing surfaces. Replace missing or damaged gauges at no additional cost to the Department. Repair and restore surfaces back to the pre-installation state.

154.3.3 Construction

Obtain Engineer's written approval of the Prequalification documents submitted in accordance with Subsection 154.1.3.A prior to beginning this work.

Perform the preconstruction crack survey prior to starting construction activities on the project.

Install and begin seismograph monitoring prior to starting excavation, shoring and backfilling construction activities on the project.

Maintain seismograph and crack monitoring until excavation, shoring and backfilling, compaction of subgrade, base and pavement construction activities on the project are complete.

A. Seismograph Installation a d Monitoring

Monitor vibrations at building(s) using seismograph(s) when construction activities including, but not limited to, demolition, excavation, shoring installation, backfilling, and compaction of subgrade, base and pavement are within 75 feet (23 meters) of the building(s), or otherwise have the potential to result in vibrations that may cause damage or complaints. Relocate seismograph(s) as needed. Protect the seismograph from weather and vandalism. Replace missing or damaged equipment at no cost to the Department. Document the following information at the time that the seismograph is installed:

Date and time ofinstallation

Coordinates of installed instrument or Station and offset

Method of transducer attachment

Name and affiliation of the person installing the instrument

1. Monthly Seismograph Data and Data Summary Report and Activity Log:

Compile a Monthly Seismograph Data and Data Summary Report containing the data from the seismograph and a summarization of the data showing time and magnitude of the maximum vibration that has occurred each day.

Maintain an activity log of all construction activities within 500 feet (152 meters) of the seismograph Include the following data in each log:

Location of construction activity

Type of construction activity

Types and number of construction equipment being used, including model, manufacture and weight.

Date and times construction equipment was used.

Submit Monthly Seismograph Data Summary Report and Activity Log to the Engineer on a monthly basis.

B. Preconstruction Crack Survey

Complete a preconstruction crack survey on the outside and inside of the parking deck located on Parcel 7 at south corner of Interstate North Circle and Windy Ridge Parkway (Interstate North Office Park, LP adjacent to the proposed project construction on Interstate North Circle and Windy Ridge Parkway. Document building conditions by taking photographs and detailed notes citing location, length and width of cracks. Compile documentation into a Preconstruction Crack Survey Report and submit to the Engineer.

C. **Building Monitoring**

Monitor parking deck during construction for any new cracks and or elongation or widening of existing cracks. Provide a report of building conditions to the Engineer regarding cracks or any other damage potentially caused by construction activities as complaints are received.

D. **Post Construction Crack Survey**

Complete a post construction crack survey on the outside and inside of the parking deck located on Parcel 7 at south corner of Interstate North Circle and Windy Ridge Parkway (Interstate North Office Park, LP adjacent to the proposed project construction on Interstate North Circle and Windy Ridge Parkway. Document parking deck conditions by taking photographs and detailed notes citing condition of cracks or damage identified in the pre-construction survey; also, location, length and width of cracks or any other damage potentially caused by construction activities.

154.4 Measurement

The Work under this Contract Item is not measured separately for payment.

154.5 Payment

This Contract Item completed and accepted will be paid for at the Lump Sum Price bid. Payment will be full compensation for furnishing and installing the seismograph(s) and crack gauges, for monitoring and reporting vibration data recorded on the seismograph(s) and crack gauges, and completing crack survey and documenting building conditions and providing copies of all data to the Engineer in accordance with this specification. Seismographs, crack gauges and all other measuring equipment and devices will remain property of the Contractor.

Payment will be made under:

Item No. 154	Construction Vibration Monitoring	Per Lump Sum

COBB COUNTY DEPARTMENT OF TRANSPORTATION

Interstate North Parkway @
Interstate North Circle Throughfare Improvements
PROJECT NO. E4190/P.I. No. 0013966
Pre-Bid Conference
October 18, 2016 10:30 a.m.

NAME	FIRM	OFFICE PHONE/FAX	EMAIL ADDRESS
Ana Fraundorf	CCDOT	O F	ana.fraundorf@cobbcounty.org
Jane Stricklin	CC DOT	O 770-420-6664 F	jane.stricklin@cobbcounty.org
DAVID MULLER	CDOT/ARCADIS	O 770 528 1651 FM 404 576 4441	DAVID.MULLER@COBBCOUNTY.ORG
Adel Donea	CDOT/Arcadis	O F 770-528-1616	adel.donea@cobbcounty.org
Karyn Matthews	CCDOT	O 770 528 3685 F	karyn.matthews@cobbcounty.org
Ericalanish	CCDOT	O (7)528-1607 F	Erica.Lanish@cobbcounty.org

COBB COUNTY DEPARTMENT OF TRANSPORTATION

Interstate North Parkway @
Interstate North Circle Throughfare Improvements
PROJECT NO. E4190/P.I. No. 0013966
Pre-Bid Conference
October 18, 2016 10:30 a.m.

NAME	FIRM	OFFICE PHONE/FAX	EMAIL ADDRESS
Bill Stone	CW Matthews	O 770-422-7520 F	billsa cwmatthews.com
Lisa Rodriguez	CC Purchasing	O 770-528-8400 F	purchasing@Cobbcounty.org
Jason Sailers	Piedmont Precast	O 404-357-8144 F	jsailers@piedmontprecast.com
Christian Loong	Astra	O 770-992-9300 F 678-494-3601	clong@astragroupinc.com
JUSTIN HENSLEE	HEATH & LINEBACK ENGINEERS	O 770-424-1668 F	Jhenslee@heath-lineback.com
Allen Krivsky	Heath & Lineback Engineers	O 770 424 1668 F 770 424 2907	akrivsky@heath-lineback.com

COBB COUNTY DEPARTMENT OF TRANSPORTATION

Interstate North Parkway @
Interstate North Circle Throughfare Improvements
PROJECT NO. E4190/P.I. No. 0013966
Pre-Bid Conference
October 18, 2016 10:30 a.m.

NAME	FIRM	OFFICE PHONE/FAX	EMAIL ADDRESS
Andrew C. Kennedy	CCWS CMS	O 770 419 6388 F	andrew.kennedy@cobbcounty.org
Heath Paige	CW Matthews Contr	O 770-422-7520 F 770-422-9361	hpaige@cwmatthews.com
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9/23/2016
USER:tjordan

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GRNCOV

COBB COUNTY
DEPARTMENT OF TRANSPORTATION

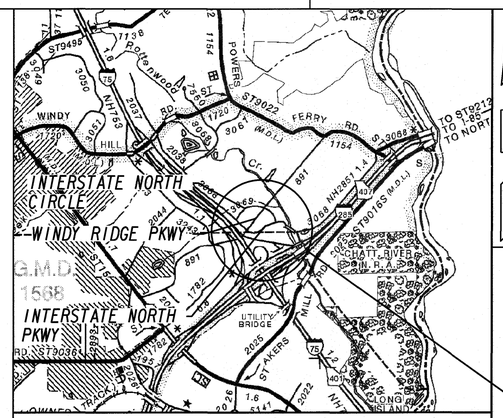
Project No.
E4190

DEPARTMENT OF TRANSPORTATION
COBB COUNTY

PLAN AND PROFILE OF PROPOSED
INTERSTATE NORTH PARKWAY AT INTERSTATE NORTH CIRCLE REALIGNMENT

STATE AID PROJECT
P.I.NO.0013966

PROJECT NO: E4190



PROJECT LOCATION

LOCATION SKETCH

DESIGN DATA:
TRAFFIC A.D.T.: 9100 VPD (I.N.CIRCLE) (2017) — ON CIRCLE & PKWY SOUTH
TRAFFIC A.D.T.: 9700 VPD (I.N.CIRCLE) (2037)
TRAFFIC D.H.V.: 1825 (I.N.CIRCLE)
DIRECTIONAL DIST: 73%
% TRUCKS: 1%
24 HR.TRUCKS %: 1%
SPEED DESIGN: 30 MPH — ON CIRCLE & PKWY SOUTH
SPEED DESIGN: 30 MPH — ON PKWY NORTH
SPEED DESIGN: 30 MPH — ON WINDY RIDGE

LOCATION & DESIGN APPROVAL DATE:

THIS PROJECT IS 100% IN COBB COUNTY AND IS 100% IN CONG.DIST.NO. 6.

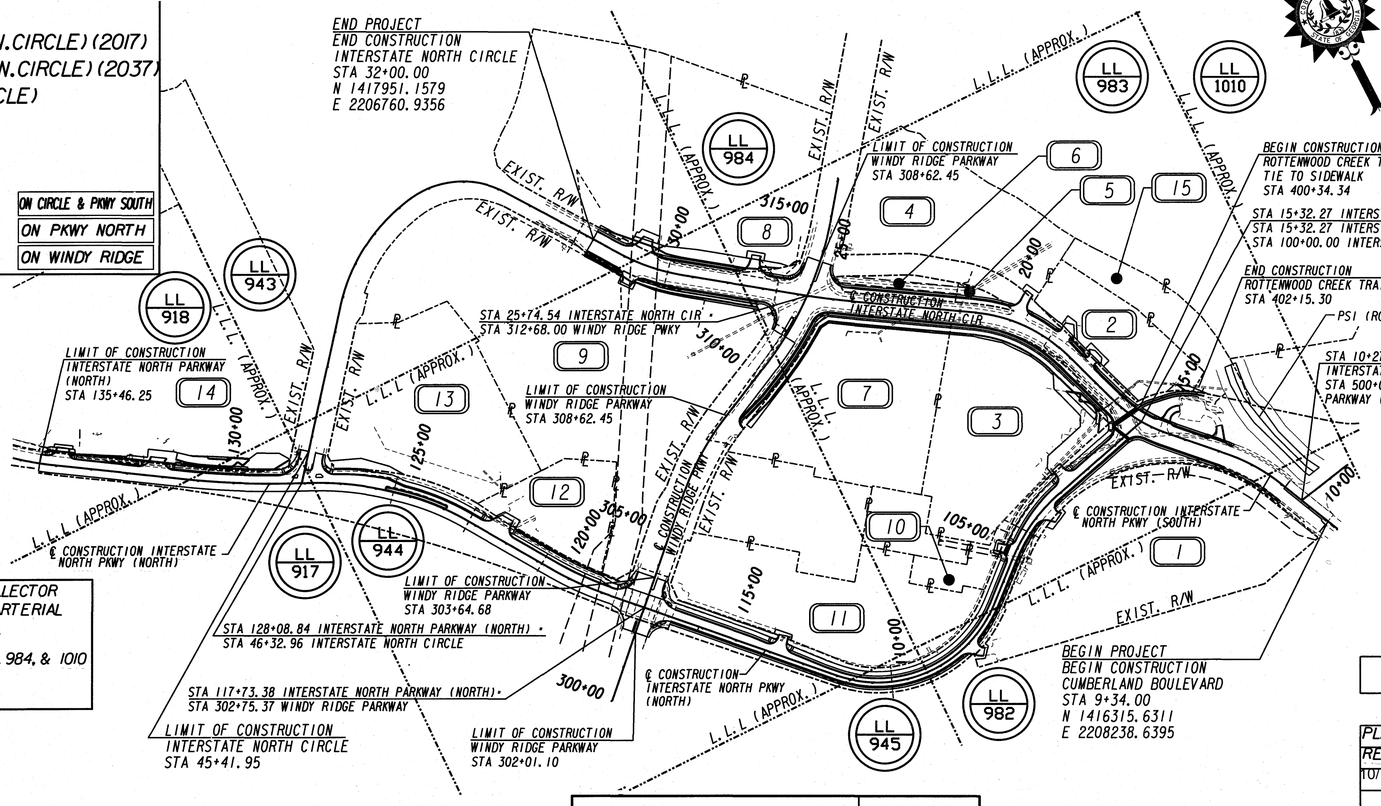
PROJECT DESIGNATION:
DESIGNED IN ENGLISH UNITS.

FUNCTIONAL CLASS
INTERSTATE NORTH CIRCLE: MAJOR COLLECTOR
INTERSTATE NORTH PARKWAY: MAJOR ARTERIAL
WINDY RIDGE PARKWAY: MINOR ARTERIAL

LAND LOT: 917, 918, 943, 944, 945, 982, 983, 984, & 1010

LAND DISTRICT: 17

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.



NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

LENGTH OF PROJECT	COUNTY No. 067 Project No. E4190 MILES
NET LENGTH OF ROADWAY	1.101
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.101
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.101

SCALE IN FEET
0 200 400 800

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

GEORGIA REGISTERED No. 27193 PROFESSIONAL ENGINEER WILLEN KRIVISKY
Sept. 26, 2016

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

PREPARED BY: DESIGN

RECOMMENDED FOR SUBMISSION BY: DESIGN

PLANS COMPLETED 09-26-2016	
REVISIONS	
10/13/16 1-0001, 2-0001, 3-0001, 9-0001 24-0001 TO 24-0013, 25-001 TO 25-016	
10/17/16	

DRAWING No.
01-0001

CONCDV
07/31/2015

DRAWING NO.		DESCRIPTION	
01-0001		COVER	
02-0001 TO 02-0002		INDEX	
03-0001		REVISION SUMMARY	
04-0001 TO 04-0002		GENERAL NOTES	
05-0001 TO 05-0010		TYPICAL SECTIONS	
06-0001 TO 06-0004		SUMMARY QUANTITIES	
07-0001		QUANTITIES (AMENDMENT)	
08-0001		QUANTITIES (CONSTRUCTION)	
09-0001 TO 09-0002		DETAILED ESTIMATE	
13-0001 TO 13-0013		CONSTRUCTION PLANS	
15-0001 TO 15-0005		MAINLINE PROFILE	
16-0001 TO 16-0012		CROSSROAD PROFILE	
17-0001 TO 17-0004		DRIVEWAY PROFILES	
18-0001		SPECIAL GRADING	
19.0-0001		CONSTRUCTION STAGING PLANS - STAGE 1A	
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19.2-0001 TO 19.2-0013		CONSTRUCTION STAGING PLANS - STAGE 2	
20-0001		STAGING DETAILS - DETOUR MAP	
21-0001 TO 21-0002		DRAINAGE AREA MAP	
22-0001 TO 22-0012		DRAINAGE PROFILES	
23-0001 TO 23-0048		CROSS SECTIONS	
24-0000 TO 24-0013		UTILITY PLANS	
24A-01 TO 24A-14		WATER SYSTEM PLANS	
25-001 TO 25-016		LIGHTING PLANS	
26-0000 TO 26-0014		SIGNING AND MARKING PLANS	
27-0001 TO 27-0005		SIGNAL PLANS	
28-0001 TO 28-0002		ITS PLANS	
31-0001 TO 31-0009		RETAINING WALL ENVELOPES	
32-0001 TO 32-0003		RETAINING WALL	
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40-09	D-47	TYPICAL DIVERSION ACROSS ROAD	05-08
40-10	P-1	DETAILS FOR GRINDING PAVEMENT	09-96
40-11	PW-1	PARAPET RETAINING WALL, TYPE P1, P2, AND P3	07-04
40-12	S-6	TYPICAL SLOPE PAVING DETAILS	11-88
40-13	T01	DETAILS OF SIGN PLATES	01-00
40-14	T02	DETAILS FOR TYPICAL FRAMING	03-00
40-15	T03A	TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL	07-02
40-16	T03B	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT)	07-02
40-17	T03C	DETAILS OF STRAIN POLE ERECTION FOR OVERHEAD SIGNS	01-00
40-18	T04	DETAILS OF CARDINAL DIRECTION SIGNS	01-00
40-19	T05C	DETAILS OF WARNING SIGNS	01-00
40-20	T06	DETAILS OF OVERHEAD SIGNS	01-00
40-21	T11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY	09-16
40-22	T12A	DETAILS OF PAVEMENT MARKING ARROW LOCATION	01-00
40-23	T12B	DETAILS OF PAVEMENT MARKING - ARROWS	04-00
40-24	T13A	DETAILS OF PAVEMENT MARKING WORDS (SHEET 1 OF 2)	09-16
40-25	T14	DETAILS OF PAVEMENT MARKING HATCHING	11-08
40-26	T15A	DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY	09-16

DRAWING NO.		DESCRIPTION	
40-27	T15B	DETAILS OF RAISED PAVEMENT MARKER LOCATION LIMITED ACCESS ROADWAY	09-16
40-28	T15C	DETAILS OF RAISED PAVEMENT MARKERS	09-11
		GEORGIA STANDARDS	
41-01	1001B	PIPE CULVERT CONCRETE HEADWALL	08-99
41-02	1011A	BRICK MANHOLES	10-81
41-03	1011AP	PRECAST REINFORCED CONCRETE MANHOLE	06-75
41-04	1019A	DROP INLETS	08-99
41-05	1019AP	PRECAST DROP INLETS	08-99
41-06	1030D	CONCRETE & METAL PIPE CULVERTS, SHEET 1 OF 3	02-16
41-07	1030D	CONCRETE & METAL PIPE CULVERTS, SHEET 2 OF 3	02-16
41-08	1030D	CONCRETE & METAL PIPE CULVERTS, SHEET 3 OF 3	02-16
41-09	1033D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER)	08-82
41-10	1033DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER)	09-82
41-11	1033F	CATCH BASINS (FOR USE WITH HEADER OR PRECAST INTERGRAL CURBS, 4", 6", 8", OR 10" HT.)	08-82
41-12	1033FP	PRECAST CATCH BASINS (FOR USE WITH HEADER OR PRECAST INTERGRAL CURBS, 4", 6", 8", OR 10" HT.)	09-82
41-13	1034D	CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND GUTTER IN SAGS OR LOW POINTS)	08-82
41-14	1034DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" CURB AND GUTTER IN SAGS OR LOW POINTS)	09-82
41-15	1034F	CATCH BASINS (FOR USE WITH 4", 6", 8", OR 10" HT. HEADER OR INTEGRAL CURBS,(IN SAGS OR LOW POINTS)	08-82
41-16	1034FP	PRECAST CATCH BASINS (FOR USE WITH 4", 6", 8", OR 10" HT. HEADER OR INTEGRAL CURBS,(IN SAGS OR LOW POINTS)	09-82
41-17	1120	FLARED END SECTIONS FOR PIPES	06-06
41-18	1122	SAFETY END SECTION (CONCRETE) (FOR SIDE DRAIN PIPE-OR STORM DRAIN PIPE PARALLEL TO MAINLINE) (SHEET 3 OF 3)	01-05
41-19	1125	INLET HEADWALL - OUTLET HEADWALL	10-99
41-20	1401	PAVEMENT PATCHING DETAILS (STORM DRAIN OR UTILITY INSTALLATIONS BY OPEN CUT ACROSS EXISTING PAVEMENT)	08-99
41-21	4000W	GUARDRAIL WARRANT GUIDES	03-16
41-22	4380	"W" BEAM GUARDRAIL 31 INCH GUARDRAIL HEIGHT	03-16
41-23	4381	POSTS AND OFFSET BLOCKS FOR "W" & "T" BEAM GUARDRAIL 31 INCH GUARDRAIL HEIGHT	03-16
41-24	4383	GUARDRAIL ANCHORAGE TYPE 1 31 INCH GUARDRAIL HEIGHT	08-11
41-25	4384	TYPE 12 31 INCH GUARDRAIL HEIGHT	03-16
41-26	4385	"T" BEAM GUARDRAIL CONNECTION TO 31 INCH HEIGHT "W" BEAM	08-11
41-27	4386	GUARDRAIL LOCATION (ON ROADS WITH CURB & GUTTER, HEADER CURB OR INEGRAL CURB) 31 INCH GUARDRAIL HEIGHT	03-16
41-28	4388	GUARDRAIL LOCATION DETAILS FOR UNDIVIDED HIGHWAYS AND ROADS (WITH SHOULDERS ADJACENT TO THE ROADWAY) 31 INCH GUARDRAIL HEIGHT	03-16
41-29	4391	GUARDRAIL LOCATION (ON ROADS WITH CURB & GUTTER, HEADER CURB OR INEGRAL CURB) 31 INCH GUARDRAIL HEIGHT	03-16
41-30	4948A	CONCRETE SIDE BARRIER TYPES 7-C, 7-R, 7-T AND 7-W	12-99
41-31	4960	CONCRETE BARRIER - TEMPORARY (END TREATMENT OPTIONS)	05-07
41-32	4961	DETAILS OF PRECAST TEMPORARY BARRIER	09-06
41-33	5046H	JOINT DETAILS FOR PLAIN PORTLAND COMENT CONCRETE PAVING	01-07
41-34	9003	FEDERAL AID AND STATE PROJECT MARKERS; RIGHT OF WAY MARKERS; COUNTY LINE MARKER	04-06
41-35	9013	CONCRETE SPILLWAYS	02-81
41-36	9030C	DELINEATORS & OBJECT MARKERS AND ALTERNATE POST	04-06
41-37	9031L	RETAINING WALL TYPICAL SECTION, RAISING HEADWALL, AND TYPICAL PIPE PLUG	06-98
41-38	9031S	MEDIAN DROP INLET	04-96
41-39	9031U	JUNCTION BOXES (PRECAST OR BUILT-IN-PLACE) PIPE COLLARS, PIPE ELBOW AND PIPE CURVED ALIGNMENT	07-85
41-40	9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS	11-11
41-41	9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS	03-06
41-42	9107	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE UNDIVIDED HIGHWAY	03-06
41-42	9121	TAPERS, SIGNS, AND MARKINGS FOR PASSING LANES	03-06
		COBB COUNTY STANDARDS	
	S-1	COBB COUNTY S-1 SIDEWALK TURNDOWN	

NOTE:
THE GDOT STANDARDS AND CONSTRUCTION DETAILS REQUIRED FOR THIS PROJECT ARE LISTED IN THE INDEX WITH THE LATEST KNOWN REVISION DATE BUT ARE NOT INCLUDED AS PART OF THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ON THE PROJECT SITE THE GDOT STANDARD DRAWINGS AND THE CONSTRUCTION DETAIL DRAWINGS LISTED ON THE INDEX SHEET. FULL SIZED SHEETS MAY BE PURCHASED BY THE CONTRACTOR AT HIS EXPENSE FROM GDOT.

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

INDEX

INTERSTATE NORTH PARKWAY AT INTERSTATE NORTH CIRCLE REALIGNMENT

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 02-0001

7/31/2015 GPLN

DATE$$$ TIME$$$ $PRF8$ DGN COBB COUNTY DEPARTMENT OF TRANSPORTATION PROJECT No. E4190

$USER$

DATE	DRAWING NO.	REVISION
10/13/16	1-0001	ADDED REVISED DATES AND SHEET NUMBERS
10/13/16	2-0001	CHANGED "PT-02 (SHEETS 1 TO 4)" TO "25-001 TO 25-016"
10/13/16	3-0001	ADDED REVISED SHEETS AND DESCRIPTION
10/13/16	9-0001	CHANGED PAY ITEM 616-0300 UNIT FROM "LF" TO "CY"
10/13/16	24-0001 TO 24-0013	UPDATED UTILITIES
10/13/16	PT-02 (SHEETS 1 TO 4)	REMOVED PT-02 (SHEETS 1 TO 4)
10/13/16	PT-02 (SHEETS 2 TO 4)	REMOVED PT-02 (SHEETS 2 TO 4)
10/13/16	PT-02 (SHEETS 3 TO 4)	REMOVED PT-02 (SHEETS 3 TO 4)
10/13/16	PT-02 (SHEETS 4 TO 4)	REMOVED PT-02 (SHEETS 4 TO 4)
10/13/16	25-001 TO 25-016	ADDED SHEETS 25-001 TO 25-016
10/17/16	3-0001	ADDED REVISED DATES AND SHEET NUMBERS
10/17/16	9-0002	ADDED LIGHTING
10/17/16	25-001	CHANGED PAY ITEM 682-9950 TO 671-C006

DATE	DRAWING NO.	REVISION

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
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REVISION DATES
10/13/16
10/17/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

REVISION SUMMARY

INTERSTATE NORTH PARKWAY AT
INTERSTATE NORTH CIRCLE REALIGNMENT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
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VERIFIED:		DATE:		

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ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	WALLS		
441-0204	PLAIN CONC DITCH PAVING	SY	1532
500-3107	CLASS A CONCRETE, RETAINING WALL	CY	261
500-3115	CLASS A CONCRETE, TYPE P2 RETAINING WALL	LF	178
500-3201	CLASS B CONCRETE, RETAINING WALL	CY	22
500-3800	CLASS A CONC. RETAINING WALL	CY	47
511-1000	BAR REINF STEEL	LB	35500
643-8300	ORNAMENTAL FENCE	LF	2599
627-1010	MSE WALL FACE, 0-10 FT HT	SF	21950
	SIGNAL		
	Traffic Signal Installation NO. 1		
636-1045	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	74
639-3014	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE ARM	EA	4
647-1000	TRAFFIC SIGNAL INSTALLATION NO - 1	LS	1
647-2130	PULL BOX, PB-3	EA	4
647-2140	PULL BOX, PB-4	EA	1
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	40
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	1140
682-9950	DIRECTIONAL BORE, 7 IN	LF	380
937-6000	MICROWAVE RADAR DETECTION ASSEMBLY	EA	4
	Traffic Signal Installation NO. 2		
636-1045	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	SF	80
639-3014	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE ARM	EA	1
639-3014	STEEL STRAIN POLE, TP IV, INCL LUMINAIRE ARM	EA	1
647-1000	TRAFFIC SIGNAL INSTALLATION NO - 2	LS	1
647-2130	PULL BOX, PB-3	EA	2
647-2140	PULL BOX, PB-4	EA	1
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	540
682-9950	DIRECTIONAL BORE, 7 IN	LF	180
937-6000	MICROWAVE RADAR DETECTION ASSEMBLY	EA	3
	ITS		
647-2410	PULL BOX ASSEMBLY, TP 4	EA	6
647-2150	PULL BOX ASSEMBLY, TP 5	EA	2
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	40
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	3020
682-9950	DIRECTIONAL BORE, 7 IN	LF	1810
935-1114	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 36 FIBER	LF	2705
935-1512	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 12 FIBER	LF	495
935-3105	FIBER OPTIC CLOSURE, UNDERGROUND, 48 FIBER	EA	2
935-3106	FIBER OPTIC CLOSURE, UNDERGROUND, 72 FIBER	EA	1
935-3401	FIBER OPTIC CLOSURE, FDC (RACK MOUNTED), 6 FIBER	EA	2
935-4010	FIBER OPTIC SPLICE, FUSION	EA	54
936-1003	CCTV SYSTEM, TYPE H	EA	2
939-2237	GBIC, TYPE D	EA	4
939-2300	FIELD SWITCH, TP A	EA	2

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	WATER RELOCATION		
660-C494	ADJUST EXISTING MH TO GRADE IN PAVEMENT 0-1 FT	EA	6
660-C496	ADJUST EXISTING MH TO GRADE OUT OF PAVEMENT 0-1 FT	EA	1
670-C017*	6" WATER MAIN (DI)	LF	50
670-C018*	8" WATER MAIN (DI)	LF	850
670-C019*	10" WATER MAIN (DI)	LF	360
670-C020*	12" WATER MAIN (DI)	LF	200
671-0120*	ADJUST EXISTING METER BOX TO GRADE	EA	11
672-C025	REMOVE EXISTING FIRE HYDRANT	EA	1
672-C040	ABANDON EXISTING WATER MAIN IN PLACE 8 IN	EA	6
672-C041	ABANDON EXISTING WATER MAIN IN PLACE 10 IN	EA	4
672-C042	ABANDON EXISTING WATER MAIN IN PLACE 12 IN	EA	2
672-C065	6X12 TAPPING SLEEVE	EA	1
672-C121	6 IN GATE VALVE	EA	1
672-C122	8 IN GATE VALVE	EA	5
672-C150B	ABANDON EXISTING GATE VALVE, OUT OF PAVEMENT	EA	7
672-C154A	ADJUST VALVE BOX TO GRADE, OUT OF PAVEMENT	EA	26
672-C155	ADJUST EXISTING VALVE BOX TO GRADE IN PAVEMENT	EA	3
672-C157	ADJUST WATER METER BOX TO GRADE	EA	5
672-C157C	RELOCATE WATER METER Description: 3/4-IN	EA	2
672-C164	6 IN MJ MISC FITTINGS	TN	0.100
672-C165	8 IN MJ MISC FITTINGS	TN	1.000
672-C166	10 IN MJ MISC FITTINGS	TN	0.50
672-C167	12 IN MJ MISC FITTINGS	TN	0.50
672-C475*	FIRE HYDRANTS	EA	1
672-C480	FIRE HYDRANT EXTENSION	VF	5
672-C484	FIRE HYDRANT LONG LEAD, (3 FT TO 20 FT)	EA	3
672-C485	6X13 ANCHOR COUPLING	EA	1
672-C528*	CONNECTION TO EXISTING 8" WATER MAIN Description: CUT-IN	EA	10
672-C529*	CONNECTION TO EXISTING 10" WATER MAIN	EA	4
672-C530	CONNECTION TO EXISTING 12" WATER MAIN Description: CUT-IN	EA	3
672-C530A	CONNECTION TO EXISTING 12" WATER MAIN Description: WET TAP	EA	1
673-C005	RELOCATE EXISTING WATER METER 2 IN SHORT SIDE	EA	2
673-C019	RELOCATE EXISTING WM 1 1/2 IN SHORT SIDE	EA	1
673-C066	SERVICE LINE REPLACEMENT, SHORT SIDE, 2 IN	EA	2
673-C202A	WEDGE ACTION RETAINING GLANDS, 6 IN	EA	6
673-C202B	WEDGE ACTION RETAINING GLANDS, 8 IN	EA	24
673-C202C	WEDGE ACTION RETAINING GLANDS, 10 IN	EA	16
673-C202D	WEDGE ACTION RETAINING GLANDS, 12 IN	EA	8
674-C030	LANDSCAPE ALLOWANCE	LS	1
674-C031	UTILITY ALLOWANCE	LS	1
674-C052	SOD	SF	500
	LIGHTING		
671-C006	DIRECTIONAL BORE - 2"	LF	900
681-3600	LIGHTING STD, SPCL DESIGN	EA	94
682-1406	CABLE, TP XHHW, AWG NO 6	LF	38000
682-6222	CONDUIT, NONMETL, TP 2, 2 IN.	LF	11650
682-6333	CONDUIT, NONMETL, TP 3, 2 IN.	LF	1000
682-9010	SVC POLE RISER	EA	3
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	20

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REVISION DATES		
10/17/16		

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

DETAILED ESTIMATE

INTERSTATE NORTH PARKWAY AT INTERSTATE NORTH CIRCLE REALIGNMENT

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		09-0002
VERIFIED:		DATE:		

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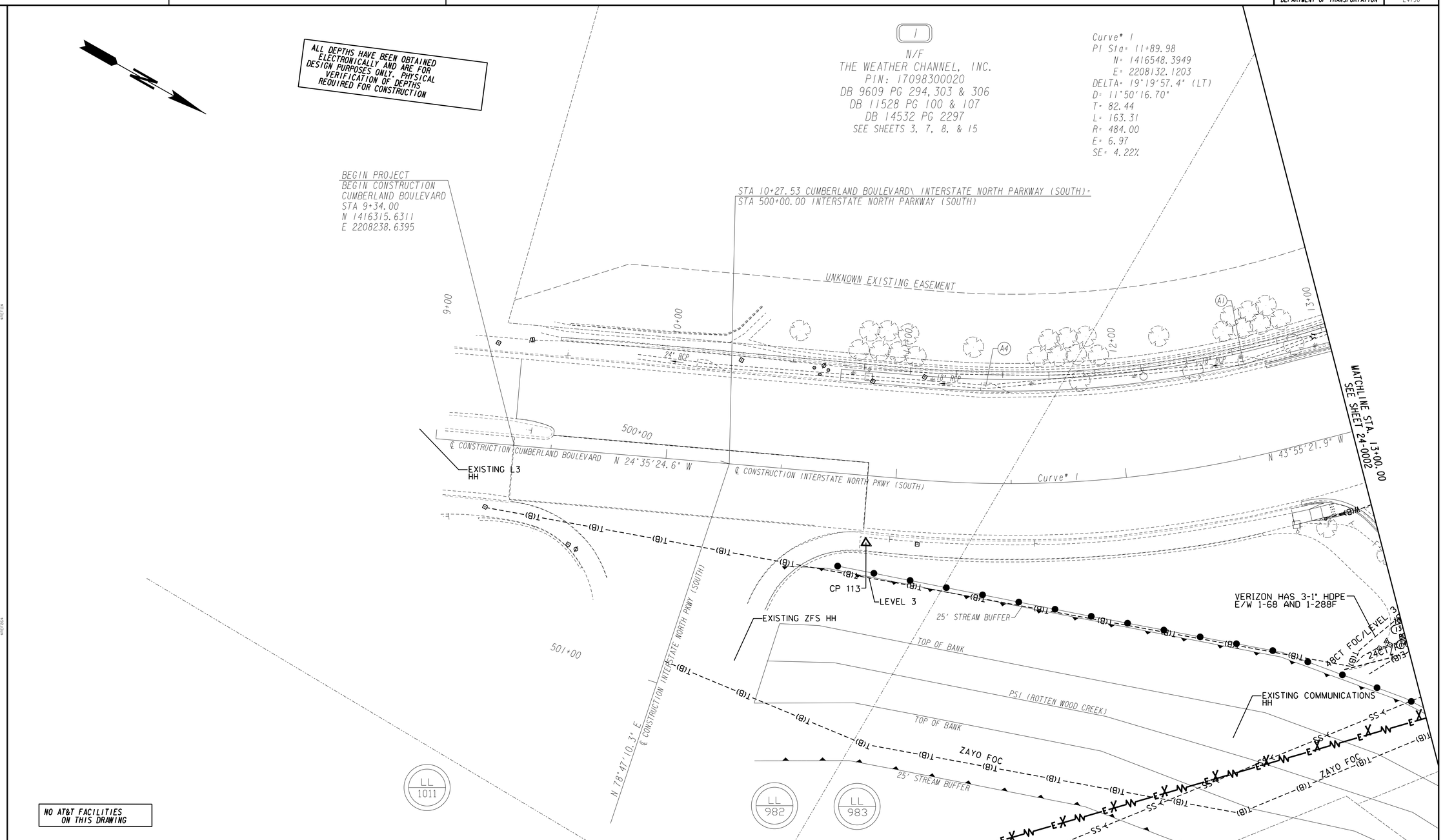
COBB COUNTY DEPARTMENT OF TRANSPORTATION
PROJECT No. E4190



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers
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(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS
CUMBERLAND BULEVARD AND INTERSTATE NORTH PARKWAY (SOUTH)

CHECKED:		DATE:	
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DRAWING No. 24-0001

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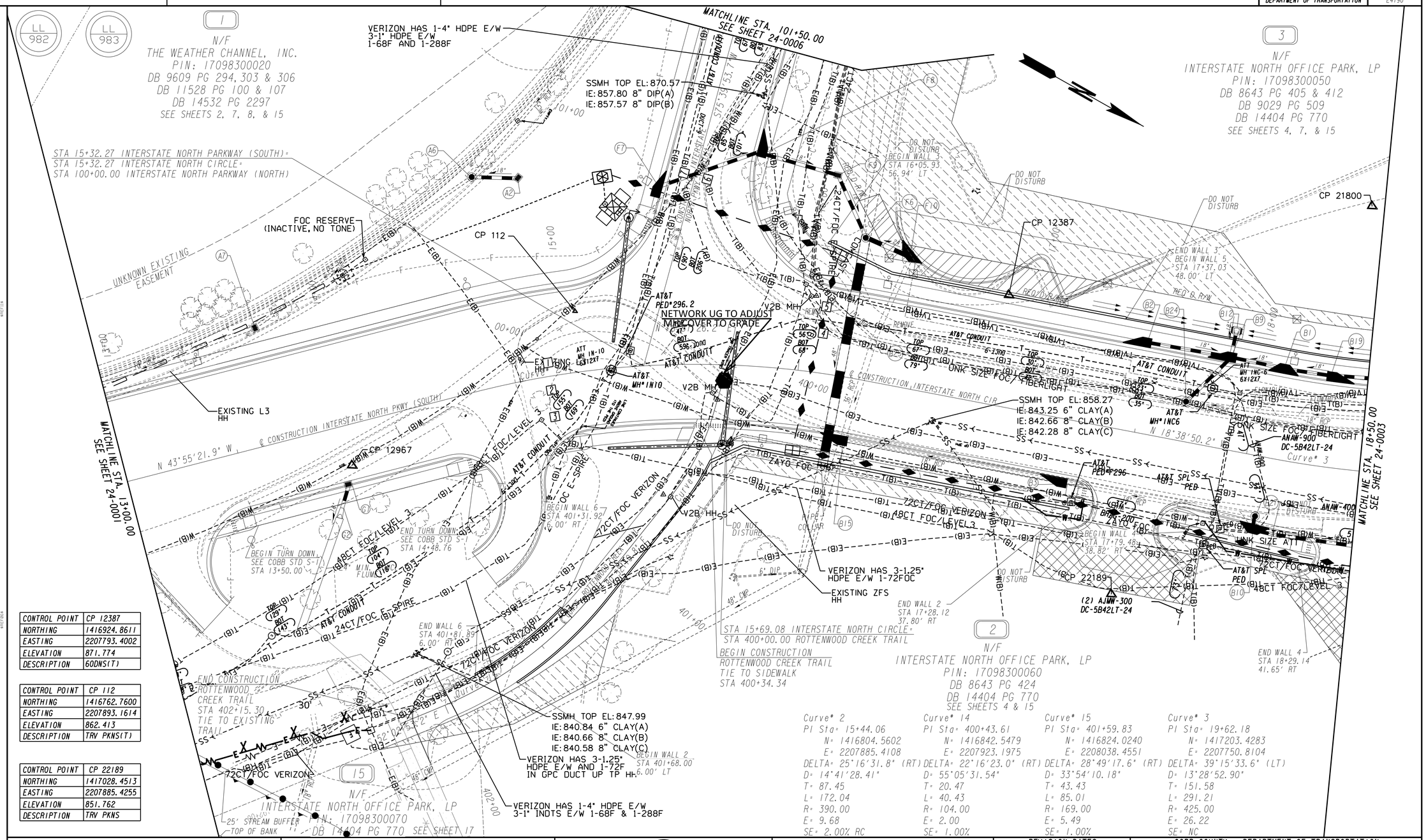

CONTROL POINT	CP 12387
NORTHING	1416924.8611
EASTING	2207793.4002
ELEVATION	871.774
DESCRIPTION	60DNS(T)

CONTROL POINT	CP 112
NORTHING	1416762.7600
EASTING	2207893.1614
ELEVATION	862.413
DESCRIPTION	TRV PKNS(T)

CONTROL POINT	CP 22189
NORTHING	1417028.4513
EASTING	2207885.4255
ELEVATION	851.762
DESCRIPTION	TRV PKNS

Curve* 2
PI Sta= 15+44.06
N= 1416804.5602
E= 2207885.4108
DELTA= 25°16'31.8" (RT)
D= 14°41'28.41"
T= 87.45
L= 172.04
R= 390.00
E= 9.68
SE= 2.00% RC

Curve* 14
PI Sta= 400+43.61
N= 1416842.5479
E= 2207923.1975
DELTA= 22°16'23.0" (RT)
D= 55°05'31.54"
T= 20.47
L= 40.43
R= 104.00
E= 2.00
SE= 1.00%

Curve* 15
PI Sta= 401+59.83
N= 1416824.0240
E= 2208038.4551
DELTA= 28°49'17.6" (RT)
D= 33°54'10.18"
T= 43.43
L= 85.01
R= 169.00
E= 5.49
SE= 1.00%

Curve* 3
PI Sta= 19+62.18
N= 1417203.4283
E= 2207750.8104
DELTA= 39°15'33.6" (LT)
D= 13°28'52.90"
T= 151.58
L= 291.21
R= 425.00
E= 26.22
SE= NC

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
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REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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(770)424-1668

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0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH PARKWAY AND INTERSTATE NORTH CIRCLE

CHECKED:		DATE:		DRAWING No.
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CORRECTED:		DATE:		24-0002
VERIFIED:		DATE:		

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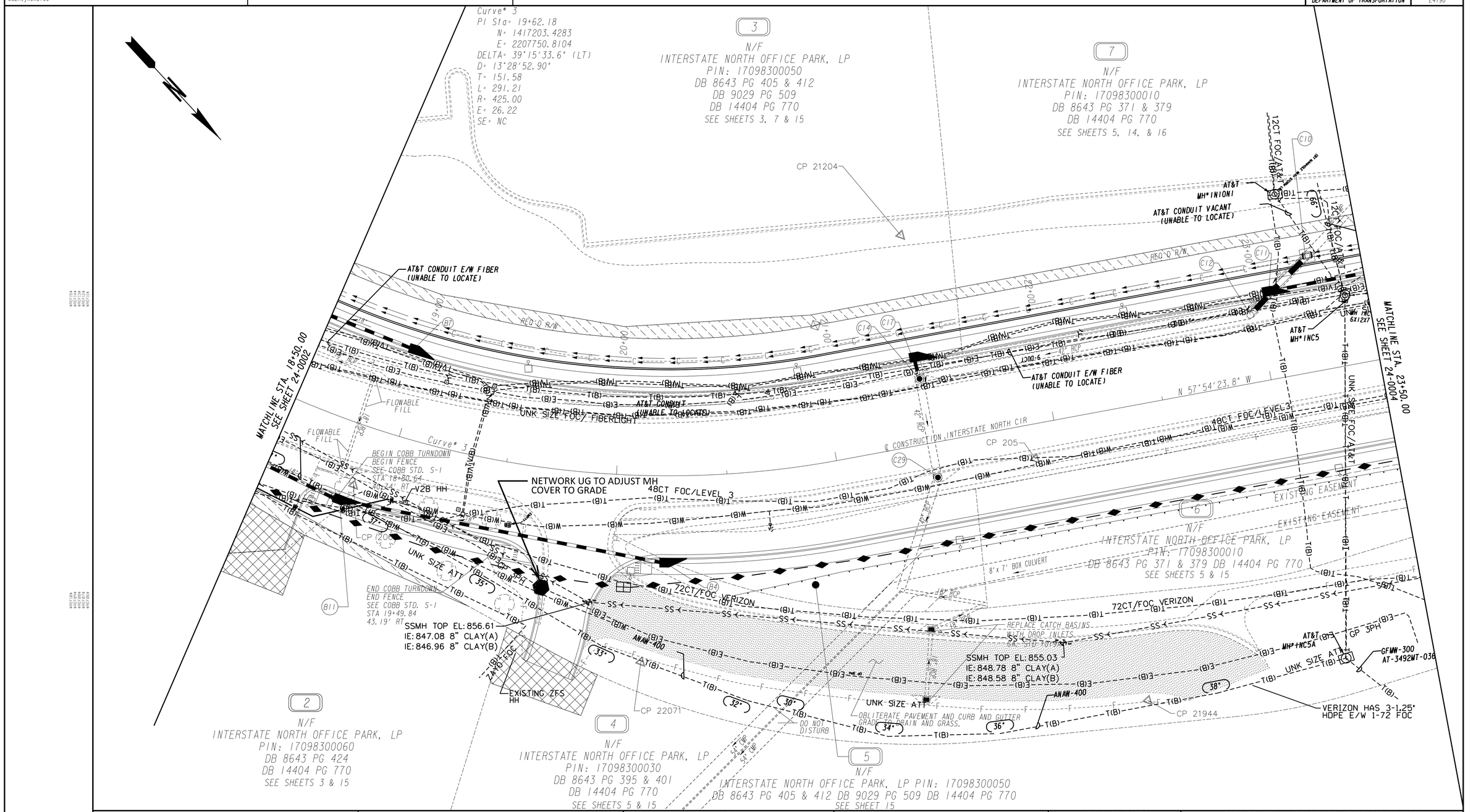

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ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers INCORPORATED
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SCALE IN FEET
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REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH CIRCLE

CHECKED: DATE:
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DRAWING No. 24-0003

7/31/2015 GPLN

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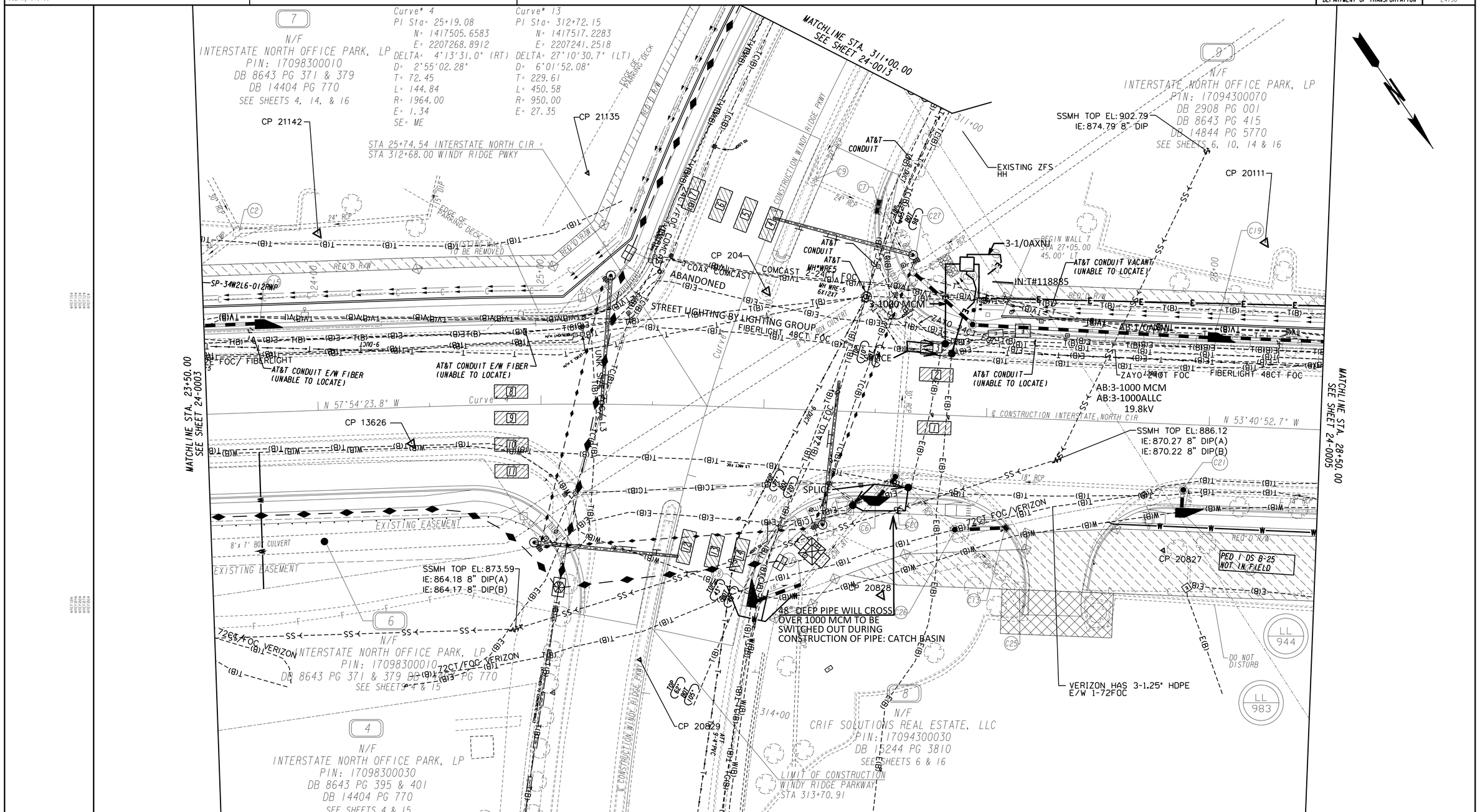

PROPERTY AND EXISTING R/W LINE	
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EASEMENT FOR CONSTR OF DRIVES	

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0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS
INTERSTATE NORTH CIRCLE AND WINDY RIDGE PARKWAY

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7/31/2015 GPLN

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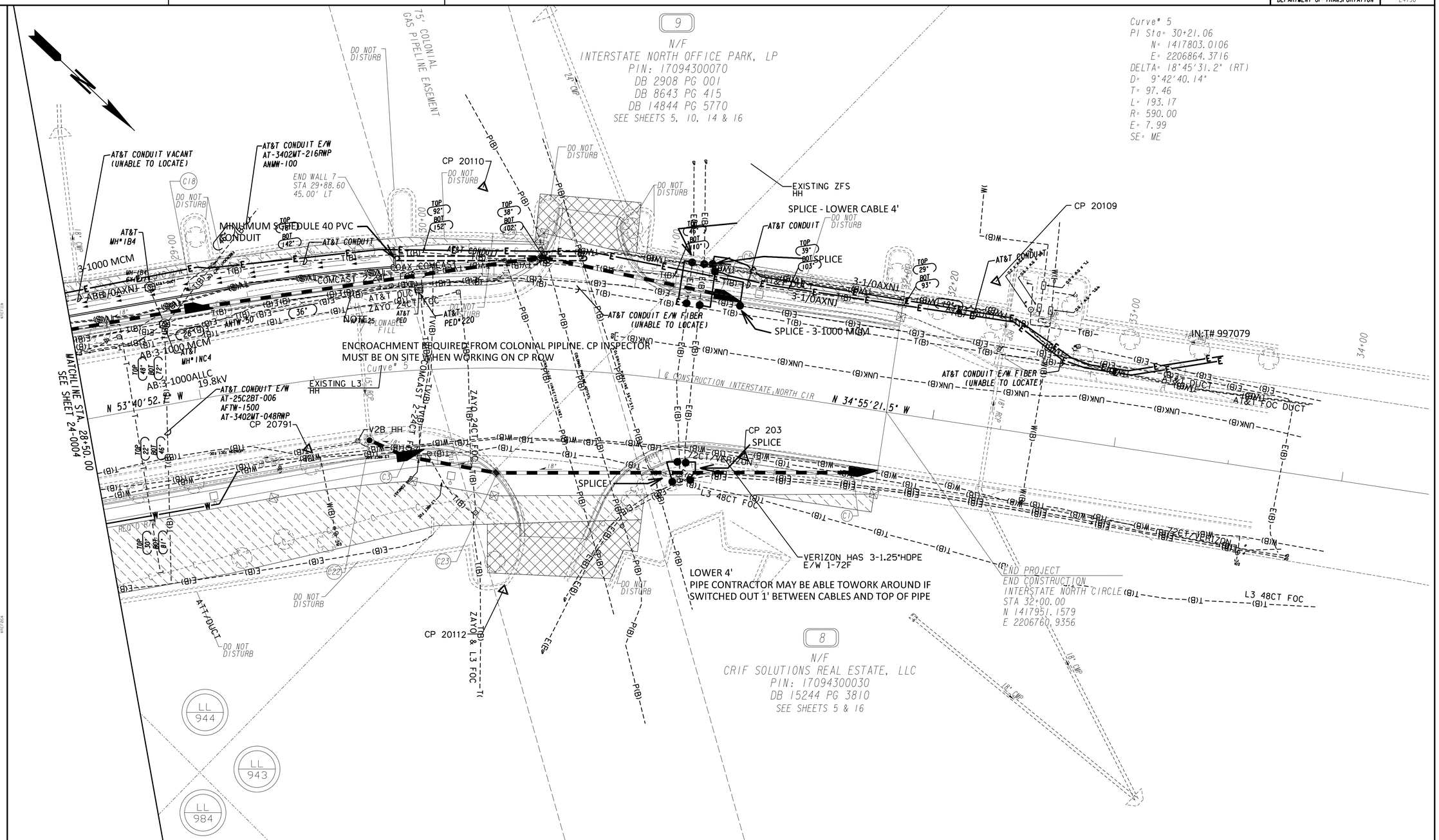


PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH CIRCLE

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0005

7/31/2015 GPLN

Curve* 6
PI Sta= 104+23.02
N= 1416696.0630
E= 2207489.3345
DELTA= 26°35'07.0" (LT)
D= 11°50'16.70"
T= 114.35
L= 224.58
R= 484.00
E= 13.32
SE= NC

Curve* 7
PI Sta= 110+02.68
N= 1416313.6857
E= 2207048.2231
DELTA= 87°12'09.3" (RT)
D= 16°13'51.96"
T= 336.17
L= 537.26
R= 353.00
E= 134.46
SE= NC

LL 982

LL 983

1
N/F
THE WEATHER CHANNEL, INC.
PIN: 17098300020
DB 9609 PG 294, 303 & 306
DB 11528 PG 100 & 107
DB 14532 PG 2297
SEE SHEETS 2, 3, 8, & 15

OBLITERATE EXISTING PAVEMENT & SIDEWALK & GRADE TO DRAIN

UNKNOWN EXISTING EASEMENT

EXISTING PEDESTRIAN BRIDGE

OBLITERATE EXISTING SIDEWALK & GRADE TO DRAIN

VERIZON HAS 4-1.25" HDPE E/W 1-24F

MATCHLINE STA. 101+50.00 SEE SHEET 24-0002

MATCHLINE STA. 107+00.00 SEE SHEET 24-0007

AT-35T2BT-018 BHAA-600

24CT FOC E-SPIRE

AT&T CONDUIT

S75°39'53.7"W

S49°04'46.7"W

SSMH TOP EL: 889.15
AT: 883.08 8" DIP(A)
WH: 883.07 8" DIP(B)
IE: 882.15 8" DIP(C)

ZAYO FOC

V2B HH

CP 110

CP 111

UNDERGROUND DET. V2B HH

DO NOT DISTURB

DO NOT DISTURB EXISTING PEDESTRIAN BRIDGE COLUMNS AND FOOTINGS

VERIZON HAS 4-1.4" HDPE E/W 3-1" INDTS E/W 1-68F AND 1-288F

OBLITERATE EXISTING SIDEWALK & GRADE TO DRAIN

3
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300050
DB 8643 PG 405 & 412
DB 9029 PG 509
DB 14404 PG 770
SEE SHEETS 3, 4, & 15

10
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300090
DB 9609 PG 306
DB 13365 PG 861
SEE SHEETS 8, 16 & 17

11
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094400050
DB 8643 PG 382
DB 11148 PG 361
DB 14404 PG 770
SEE SHEETS 8, 9, 10, 14 & 17

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300080
DB 14404 PG 770

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

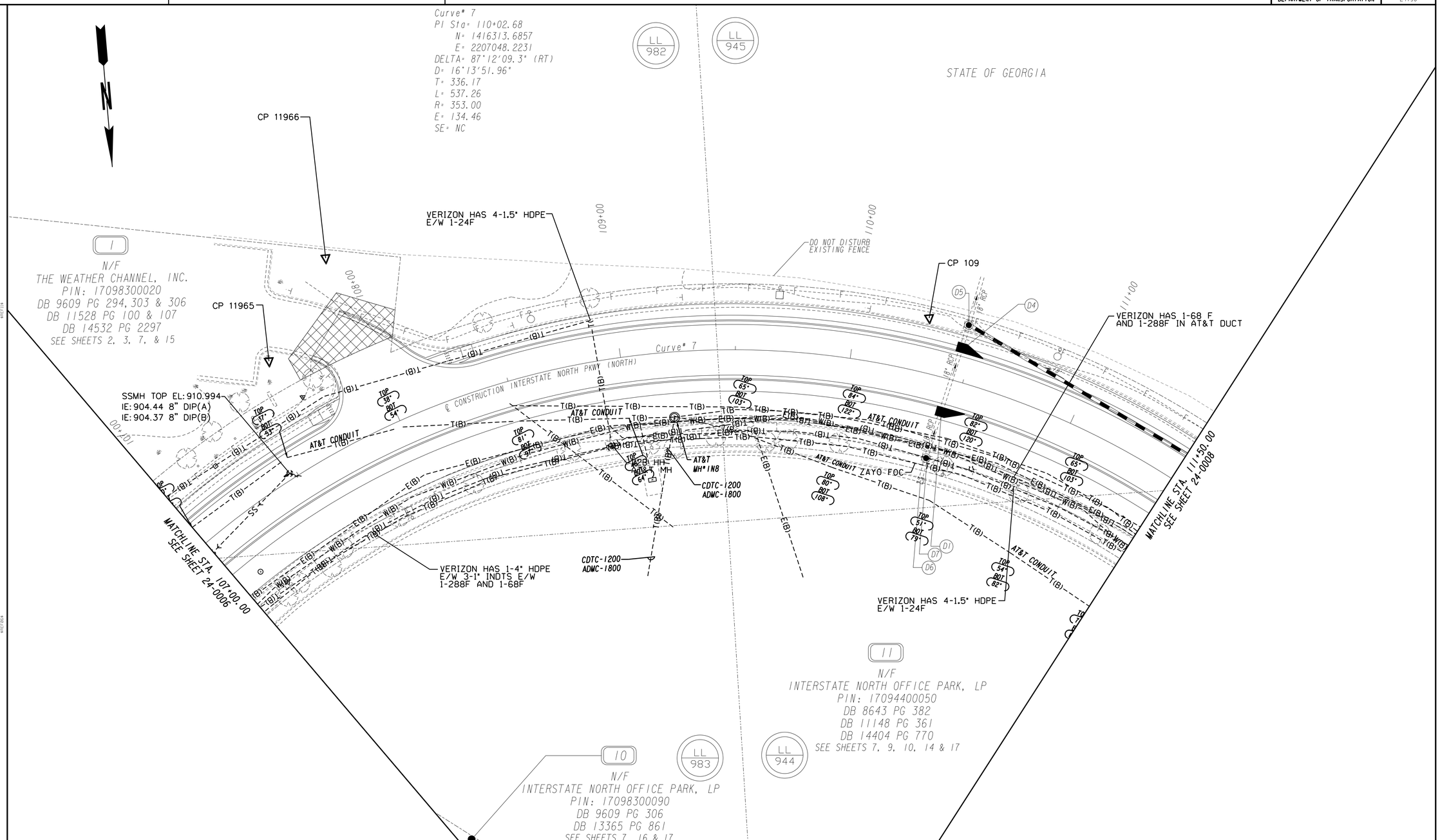
INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	24-0006
CORRECTED:	DATE:	
VERIFIED:	DATE:	

7/31/2015 GPLN

10/12/2016 3:55:57 PM $PRF8$ J:\2015037\00E4190\DGN\00E4190_24-0007.dgn
USER: jhenslee

COBB COUNTY DEPARTMENT OF TRANSPORTATION | PROJECT No. E4190



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0007

7/31/2015 GPLN

Curve* 7
PI Sta= 110+02.68
N= 1416313.6857
E= 2207048.2231
DELTA= 87°12'09.3" (RT)
D= 16°13'51.96"
T= 336.17
L= 537.26
R= 353.00
E= 134.46
SE= NC

STATE OF GEORGIA

LL 945 | LL 944

112+00 | 113+00 | 114+00 | 115+00 | 116+00

D3 | D2

MATCHLINE STA. 111+50.00
SEE SHEET 24-0007

MATCHLINE STA. 116+00.00
SEE SHEET 24-0009

Curve* 7 | N43°43'04.0"W

AT&T CONDUIT

AT&T WH*INC7
(PAVED OVER)
APPROX. LOCATION

VERIZON HAS 4-1.5" HDPE
E/W 1-24F

ZAYO FOC

V28 HH
CP 108

AT&T
MH*D17

VERIZON HAS 1-68F AND 1-288F
IN AT&T DUCTBANK

11

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094400050
DB 8643 PG 382
DB 11148 PG 361
DB 14404 PG 770
SEE SHEETS 7, 8, 10, 14 & 17

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS
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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
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REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

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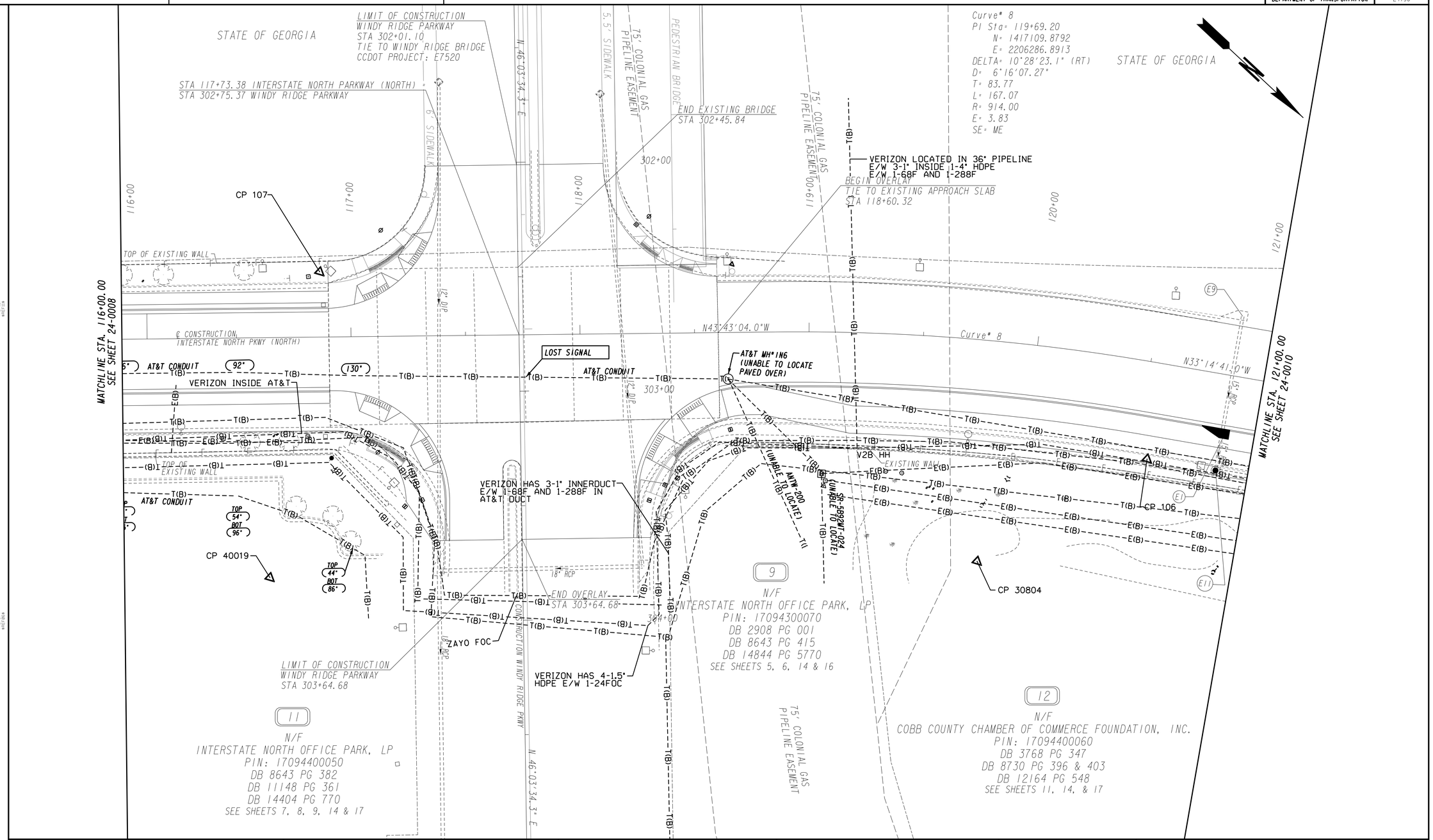
USER: jhenslee

COBB COUNTY DEPARTMENT OF TRANSPORTATION

PROJECT No. E4190



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
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EASEMENT FOR CONSTR OF DRIVES	

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LIMIT OF ACCESS	
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ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH PARKWAY (NORTH) AND WINDY RIDGE PARKWAY

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0009

7/31/2015 GPLN

STATE OF GEORGIA

Curve# 9
PI Sta= 124+28.43
N= 1417494.3417
E= 2206034.8773
DELTA= 15°58'23.7" (LT)
D= 8°21'07.76"
T= 96.25
L= 191.25
R= 686.00
E= 6.72
SE= ME

121+00
122+00
123+00
124+00
125+00

MATCHLINE STA. 121+00.00
SEE SHEET 24-0009

MATCHLINE STA 125+50.00
SEE SHEET 24-0011

℄ CONSTRUCTION INTERSTATE|NORTH PKWY (NORTH)

N33°14'41.0"W

N49°13'04.7"W

Curve# 9

AT&T CONDUIT (UNABLE TO LOCATE)

AT&T MH*D16 (PAVED OVER)

AT&T CONDUIT (UNABLE TO LOCATE)

V2B HH

LOST SIGNAL

AT&T CONDUIT

ZAYO FOC

CP 30568

CP 105

CP 30569

VERIZON HAS 4-1.5" HDPE E/W 1-24F

FLOWABLE FILL

E10 E4 E3 E2 E12

12
N/F
COBB COUNTY CHAMBER OF COMMERCE FOUNDATION, INC.
PIN: 17094400060
DB 3768 PG 347
DB 8730 PG 396 & 403
DB 12164 PG 548
SEE SHEETS 10, 14 & 17

13
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094400020
DB 13265 PG 1865
DB 14404 PG 770
SEE SHEETS 12 & 17

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
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MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0010
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VERIFIED:		DATE:		

7/31/2015 GPLN

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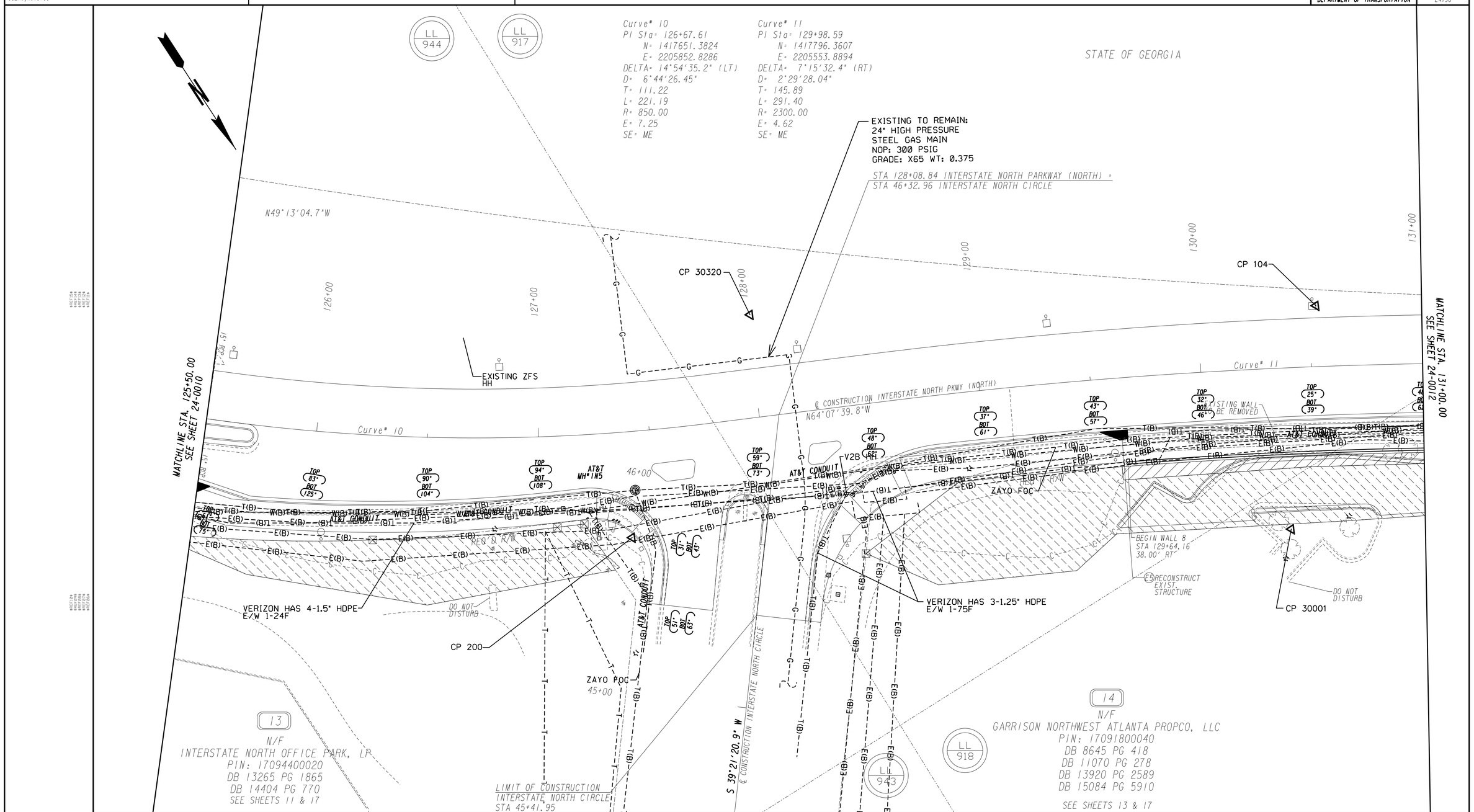
USER: jhenslee

COBB COUNTY DEPARTMENT OF TRANSPORTATION

PROJECT No. E4190



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
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BEGIN LIMIT OF ACCESS.....BLA	
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LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH PARKWAY (NORTH) AND INTERSTATE NORTH CIRCLE

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0011

7/31/2015 GPLN

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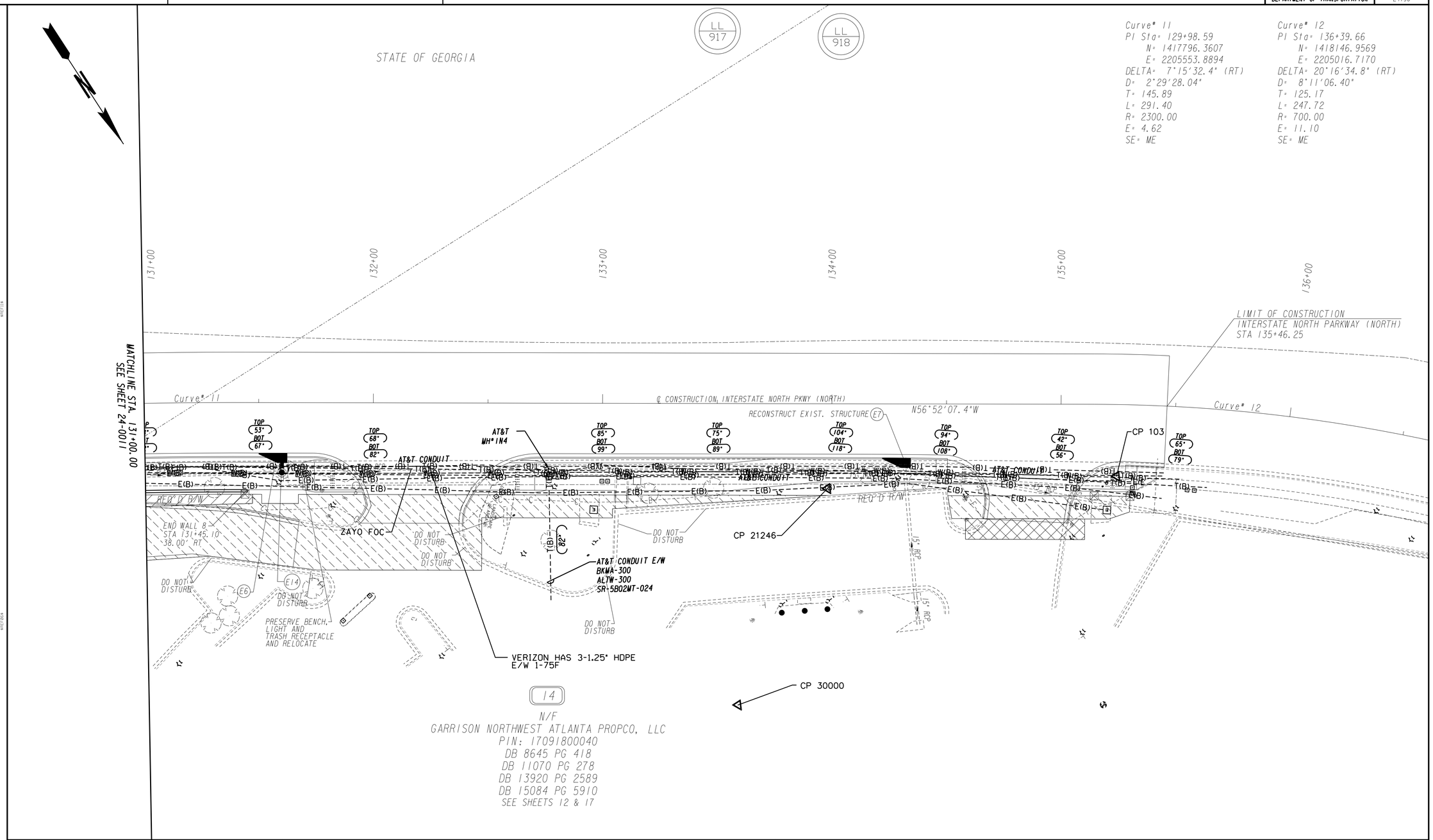
USER:jhenslee				DEPARTMENT OF TRANSPORTATION	E4190



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		24-0012
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

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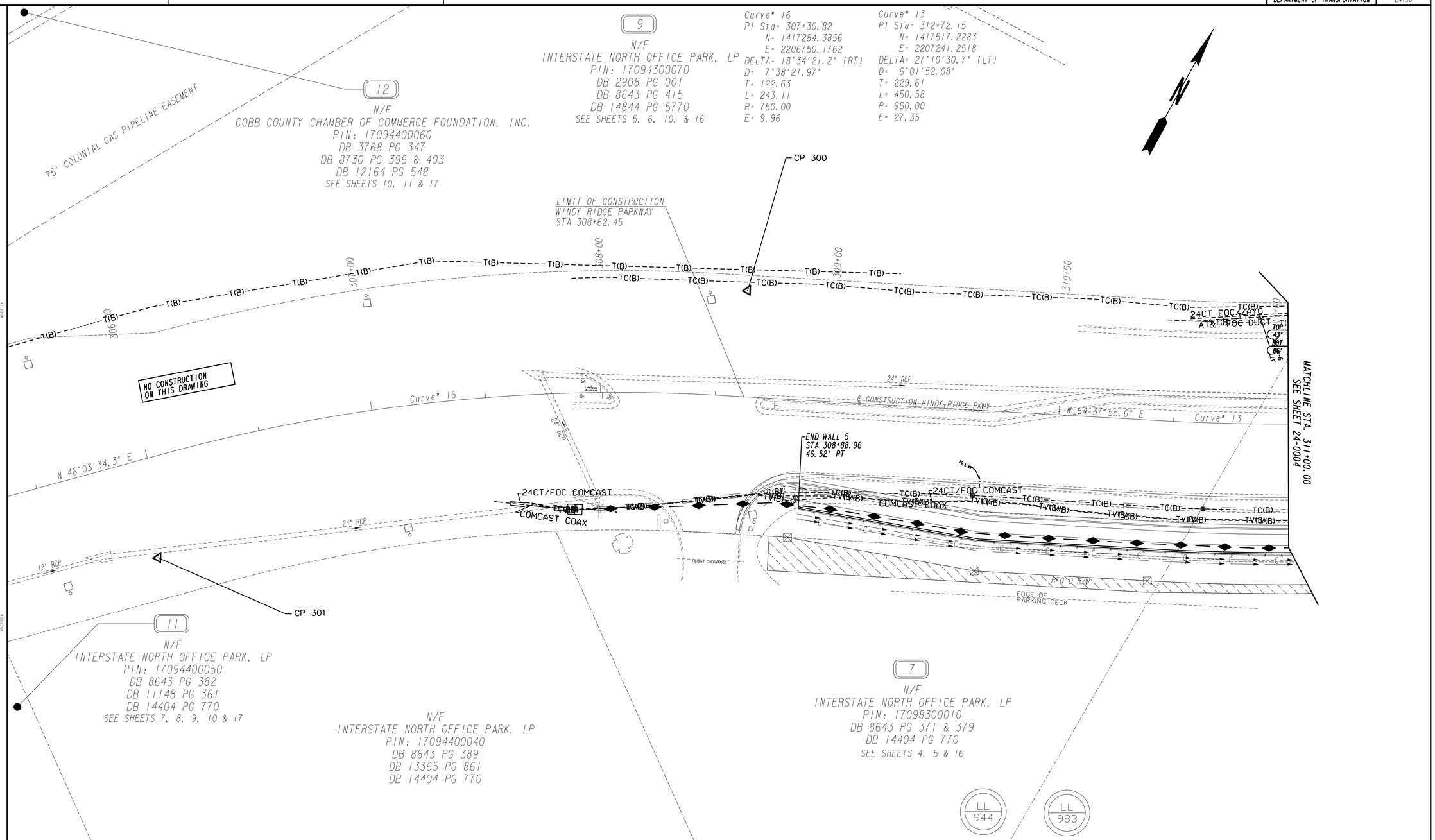
USER: jhenslee

COBB COUNTY DEPARTMENT OF TRANSPORTATION | PROJECT No. E4190



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

WINDY RIDGE PARKWAY

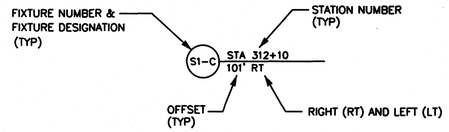
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24-0013

7/31/2015 GPLN

LEGEND

- DIRECT BORE
- EXPOSED CONDUIT. SEE NOTE BELOW
- UNDERGROUND OR UNDERFLOOR CONDUIT. SEE NOTE BELOW.
- A,C □ ○ B ○ LIGHT FIXTURE, CAPITAL LETTER INDICATES TYPE
- □ J-BOX WITH BLANK COVER, UNLESS OTHERWISE NOTED.
- TFROC TYPICAL FOR REMAINDER OF CIRCUIT.
- 38,781 A AVAILABLE AVAILABLE SYMMETRICAL SHORT CIRCUIT CURRENT AT THE EQUIPMENT AS CALCULATED BY THE ENGINEER. THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE A FULLY RATED SYSTEM.
- (30') LENGTH OF FEEDER IN FEET.



1 / 25-001 **TYPICAL LIGHT POLE IDENTIFICATION**
SCALE: NTS

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NUMBER	MOUNTING	NO./LAMPS	LOAD
A	OWNER FURNISHED CONTRACTOR INSTALLED FUSE AT 1 AMP	OFCI POLE AND ARM COMPLETE	LED ARRAY	150W
B	OWNER FURNISHED CONTRACTOR INSTALLED FUSE AT 0.5 AMP	OFCI POLE AND ARM COMPLETE	LED ARRAY	75W
C	HOLOPHANE #ESL2-P30S-40K-AS-MATCH TYPE A COLOR-SG-3-VERIFY MOUNT-SS FUSE AT 1 AMP	CONTRACTOR TO MATCH TYPE A POLE AND ARM	LED ARRAY	120W

QUANTITY TAKEOFF

ITEM NO.	ITEM DESCRIPTION	EA UNITS	QUANTITY
681-3600	TYPE A, SPCL, 150W LED FIXTURE WITH POLE AND ARM COMPLETE OWNER FURNISHED CONTRACTOR INSTALLED	EA	37
681-3600	TYPE B , SPCL, 75W LED FIXTURE WITH POLE AND ARM COMPLETE OWNER FURNISHED CONTRACTOR INSTALLED	EA	24
681-3600	TYPE C, SPCL, 120W LED LUMINAIRE WITH SAME POLE AND ARM AS TYPE A COMPLETE	EA	33
671-C006	DIRECTIONAL BORE - 2 IN	LF	900
682-9021	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	EA	20
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	11,650
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	1,000
682-9010	SVC POLE RISER	EA	3
682-1406	CABLE, TP XHHW, AWG NO 6	LF	38,000
	TRENCHING	LF	10,550

GENERAL NOTES:

A. FOR ALL LIGHT POLES, A MINIMUM OF 1'-6" MUST BE MAINTAINED AT ALL TIMES FROM THE FACE OF THE CURB (OR EDGE OF PAVEMENT) TO THE OUTSIDE EDGE OF THE LIGHT POLE.

B. NO CONDUIT MAY BE RUN OUTSIDE THE RIGHT OF WAY BOUNDARY OR ON PRIVATE PROPERTY.

C. OPERATING VOLTAGE FOR THE FIXTURES SHALL BE 240V SINGLE PHASE FOR SERVICE A & C. OPERATING VOLTAGE FOR THE FIXTURES SHALL BE 277V FOR SERVICE B.

D. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40. CONDUIT INSTALLED UNDERNEATH ROADWAYS AND DRIVES SHALL BE GALVANIZED RIGID STEEL (GRS) OR TYPE TP3.

E. ALL CONDUIT WHICH IS RUN UNDER A ROADWAY SHALL BE INSTALLED PRIOR TO ANY NEW PAVING. NO NEW PAVING SHALL BE CUT TO INSTALL ELECTRICAL LINES.

F. CONTRACTOR SHALL ROUTE ALL CONDUITS RUNS BETWEEN EACH FIXTURE AND AND FROM THE LAST FIXTURE TO THE UTILITY COMPANY SERVICE LOCATION IN THE MOST DIRECT ROUTE ASPOSSIBLE.

G. CARE MUST BE TAKEN IN THE INSTALLATION OF THE CONDUIT SYSTEM TO AVOID AND DAMAGE TO THE EXISTING UNDERGROUND UTILITIES.

H. CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, PULLBOXES, CONDULETS, ELBOWS, FLEXIBLE CONDUIT, ETC., SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.

I. THE CONTRACTOR SHALL SUBMIT PHOTOMETRIC DATA AND DESIGN CALCULATIONS FOR THE LUMINAIRES TO VERIFY THE LIGHTING DESIGN CRITERIA.
1. THE AVERAGE MAINTAINED ILLUMINATION FOR SIDEWALKS SHALL BE= 0.5 FC(MINIMUM)
2. THE AVG/MIN UNIFORMITY = 4.0:1 (MAXIMUM)
4. THE LIGHT LOSS FACTOR = 0.80.
5. REFERENCE ANSI/IESNA RP-8-14.

J. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY DIGGING

K. THE LIGHTING CONTRACTOR SHALL FURNISH A ONE YEAR WARRANTY FOR PARTS AND DEFECTIVE WORKMANSHIP ON THE LUMINAIRES, POLES, LIGHTING CONTROL PANEL AND ALL OTHER ELECTRICAL EQUIPMENT.

L. CONTRACTOR SHALL DIRECT BORE WHERE APPLICABLE.
M. RIGID CONDUIT INSTALLED ON STRUCTURES SHALL BE SUPPORTED AT LEAST EVERY TEN FEET AND WITHIN THREE FEET OF JBOXES, LUMINAIRES, ETC.

N. EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL UNLESS OTHERWISE NOTED.

O. THE CONTRACTOR SHALL INSTALL A NYLON PULL CORD OR GALVANIZED PULL WIRE IN EACH EMPTY CONDUIT. THE COST OF THIS ITEM WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT.

P. ALL FUSES AND FUSE HOLDERS SHALL BE IN-LINE TYPE, WATERPROOF AND PROVIDE WITH BREAKAWAY WIRING CONNECTORS.

Q. ALL ELECTRICAL MATERIALS, SUCH AS CONDUIT, CABLES, WIRES AND JBOXES, SHALL BE UL LISTED AND MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE AMERICAN NATIONAL STANDARDS INSTITUTE. ELECTRICAL CONDUITS, WIRES, CIRCUIT BREAKERS, FUSES, GROUND RODS AND GROUND CONDUCTORS SHALL MEET GDOT'S STANDARD SPECIFICATIONS AND SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL).

R. ALL LAMPS SHALL BE LED TYPE.

S. REFRACTORS SHALL BE PRISMATIC ACRYLIC.

T. ALL POLES SUPPLIED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH GDOT'S QUALIFIED PRODUCTS LIST (QPL) FOR APPROVED SUPPLIERS FOR PROJECTS RECEIVING FEDERAL FUNDING.

W. ALL LUMINAIRES SUPPLIED FOR THIS PROJECT MUST MEET THE GDOT STANDARD SPECIFICATION SECTION 927-LUMINAIRES, LED FOR PROJECTS RECEIVING FEDERAL FUNDING.

X. LOCAL UTILITY COMPANY IS GEORGIA POWER COMPANY.

Y. PROVIDE WEATHERPROOF BREAKAWAY WIRING CONNECTORS.

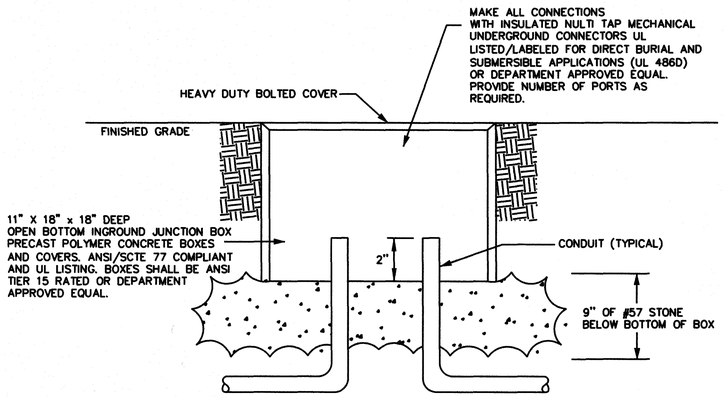
Z. ALL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR.

AA. ALL SHOP DRAWINGS FOR LIGHTING STANDARDS, LUMINAIRES, AND OTHER RELATED LIGHTING MATERIALS, ETC. MUST BE SUBMITTED TO THE CONSTRUCTION PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

KEY NOTES

1. CONTRACTOR SHALL TAKE CARE IN LOCATING THE EXISTING MSE WALL STRAPS. HAND DIG TO LOCATE FIRST STRAP, STRAPS TO RIGHT AND LEFT SHOULD BE 5' OFF THE FIRST STRAP. CENTER THE NEW POLE FOUNDATION IN THE 5' CLEAR SPACE BETWEEN THE STRAPS. CARE SHALL BE TAKEN NOT TO CUT THE MSE WALL STRAPS. VERIFY LOCATIONS PRIOR TO DIGGING THE POLE FOUNDATION. IF A STRAP IS BROKEN, IT SHOULD BE REPAIRED BACK TO IT'S ORIGINAL CONDITION.

2. CONTRACTOR SHALL VERIFY THE EXISTING OR NEW WALL FOUNDATION PRIOR TO DIGGING THE POLE FOUNDATION. ADJUST THE POLE LOCATIONS (TO BE APPROVED BY COBB DOT PRIOR TO MOVING THE LOCATION) TO MISS THE WALL FOUNDATIONS.



2 / 25-001 **TYPICAL IN GROUND JUNCTION BOX INSTALLATION DETAIL**
SCALE: NTS

GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK
10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

7/31/2015 GPLH

PROPERTY AND EXISTING R/W LINE -----P-----
REQUIRED R/W LINE
CONSTRUCTION LIMITS --C--F--
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

REVISION DATES		
10/17/16		

COBB COUNTY - DEPARTMENT OF TRANSPORTATION
LIGHTING PLANS
INTERSTATE NORTH PARKWAY AT INTERSTATE NORTH CIRCLE REALIGNMENT

CHECKED:	WBMW	DATE:	10-12-16	DRAWING No.
BACKCHECKED:		DATE:		25-001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

WIRING SCHEDULE

(1) 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER

(1)
N/F
THE WEATHER CHANNEL, INC.
PIN: 17098300020
DB 9609 PG 294, 303 & 306
DB 11528 PG 100 & 107
DB 14532 PG 2297
SEE SHEETS 3, 7, 8, & 15

BEGIN PROJECT
BEGIN CONSTRUCTION
CUMBERLAND BOULEVARD
STA 9+34.00
N 1416315.6311
E 2208238.6395

STA 10+27.53 CUMBERLAND BOULEVARD\ INTERSTATE NORTH PARKWAY (SOUTH)•
STA 500+00.00 INTERSTATE NORTH PARKWAY (SOUTH)

S1-A STA: 10+84.49 45.89' LT

S2-B STA: 12+13.05 45.73' LT

SEE WIRING SCHEDULE THIS SHEET (TYPICAL FOR ALL)

UNKNOWN EXISTING EASEMENT

TFROC (1)

9+00 10+00 11+00 12+00 13+00

24" RCP 18" RCP 18" RCP

A

B

SEE 1/25-016 FOR FIXTURE TYPE A POLE DETAIL. (TYPICAL FOR A FIXTURES)

SEE 2/25-016 FOR FIXTURE TYPE B POLE DETAIL. (TYPICAL FOR B FIXTURES)

MATCHLINE STA 13+00.00 SEE SHEET 25-003

℄ CONSTRUCTION CUMBERLAND BOULEVARD N 24°35'24.6" W

℄ CONSTRUCTION INTERSTATE NORTH PKWY (SOUTH)

N 43°55'21.9" W

℄ CONSTRUCTION INTERSTATE NORTH PKWY (SOUTH)

S3-A STA: 12+66.54 36.21' RT

25' STREAM BUFFER

TOP OF BANK

PSI (ROTTEN WOOD CREEK)

TOP OF BANK

25' STREAM BUFFER

LL 1011

LL 982

LL 983

GEORGIA REGISTERED 71258 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10-12-2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
PLOT SCALE: 1 = 1

7/31/2015 GPLN

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

CUMBERLAND BULEVARD AND INTERSTATE NORTH PARKWAY (SOUTH)

CHECKED:	WMW	DATE:	10-12-16	DRAWING No.
BACKCHECKED:		DATE:		25-002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

LL 982

LL 983

1
N/F
THE WEATHER CHANNEL, INC.
PIN: 17098300020
DB 9609 PG 294, 303 & 306
DB 11528 PG 100 & 107
DB 14532 PG 2297
SEE SHEETS 2, 7, 8, & 15

S31-C STA: 100+79.69 22.87' LT

SEE 2/25-016 FOR FIXTURE TYPE B POLE DETAIL. (TYPICAL FOR B FIXTURES)

S4-A STA: 13+44.79 46.52' LT

S7-B STA: 14+64.70 49.14' LT

SEE 2/25-001 FOR TYPICAL INGROUND JUNCTION BOX INSTALLATION DETAIL.

SEE 1/25-016 FOR FIXTURE TYPE A POLE DETAIL. (TYPICAL FOR A FIXTURES)

MATCHLINE STA. 101+50.00 SEE SHEET 25-007

WIRING SCHEDULE

(1) 2 #6 + 1 #6G IN 2" C
ALL CONDUCTORS ARE TO BE COPPER

3
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300050
DB 8643 PG 405 & 412
DB 9029 PG 509
DB 14404 PG 770
SEE SHEETS 4, 7, & 15

S32-C STA: 100+83.55 46.53' RT

S9-C STA: 16+31.20 46.44' LT

SEE WIRING SCHEDULE THIS SHEET (TYPICAL FOR ALL)

S11-C STA: 18+13.26 47.06' LT

TFROC (1)

DIRECT BORE

℄ CONSTRUCTION INTERSTATE NORTH PKWY (SOUTH)

℄ CONSTRUCTION INTERSTATE NORTH CIR

N 43°55'21.9" W

N 18°38'50.2" W

MATCHLINE STA. 13+00.00 SEE SHEET 25-002

MATCHLINE STA. 18+50.00 SEE SHEET 25-004

℄ CONST. ROTTENWOOD CREEK TRAIL

DO NOT DISTURB

S10-C STA: 17+31.50 37.15' RT

S8-C STA: 15+86.83 34.52' RT

BEGIN CONSTRUCTION ROTTENWOOD CREEK TRAIL TIE TO SIDEWALK STA 400+34.34

2
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300060
DB 8643 PG 424
DB 14404 PG 770
SEE SHEETS 4 & 15

SEE 1/25-016 FOR FIXTURE TYPE C POLE & FIXTURE DETAIL. (TYPICAL FOR C FIXTURES)

END CONSTRUCTION ROTTENWOOD CREEK TRAIL STA 402+15.30 TIE TO EXISTING TRAIL

S6-A STA: 14+48.27 40.14' RT

S5-B STA: 13+46.01 41.42' RT

15
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300070
DB 14404 PG 770 SEE SHEET 17

25' STREAM BUFFER
TOP OF BANK

GEORGIA REGISTERED 11856 PROFESSIONAL ENGINEER WILLIAM B. M. NOWLIN

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2390 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

7/31/2015 GPLN

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

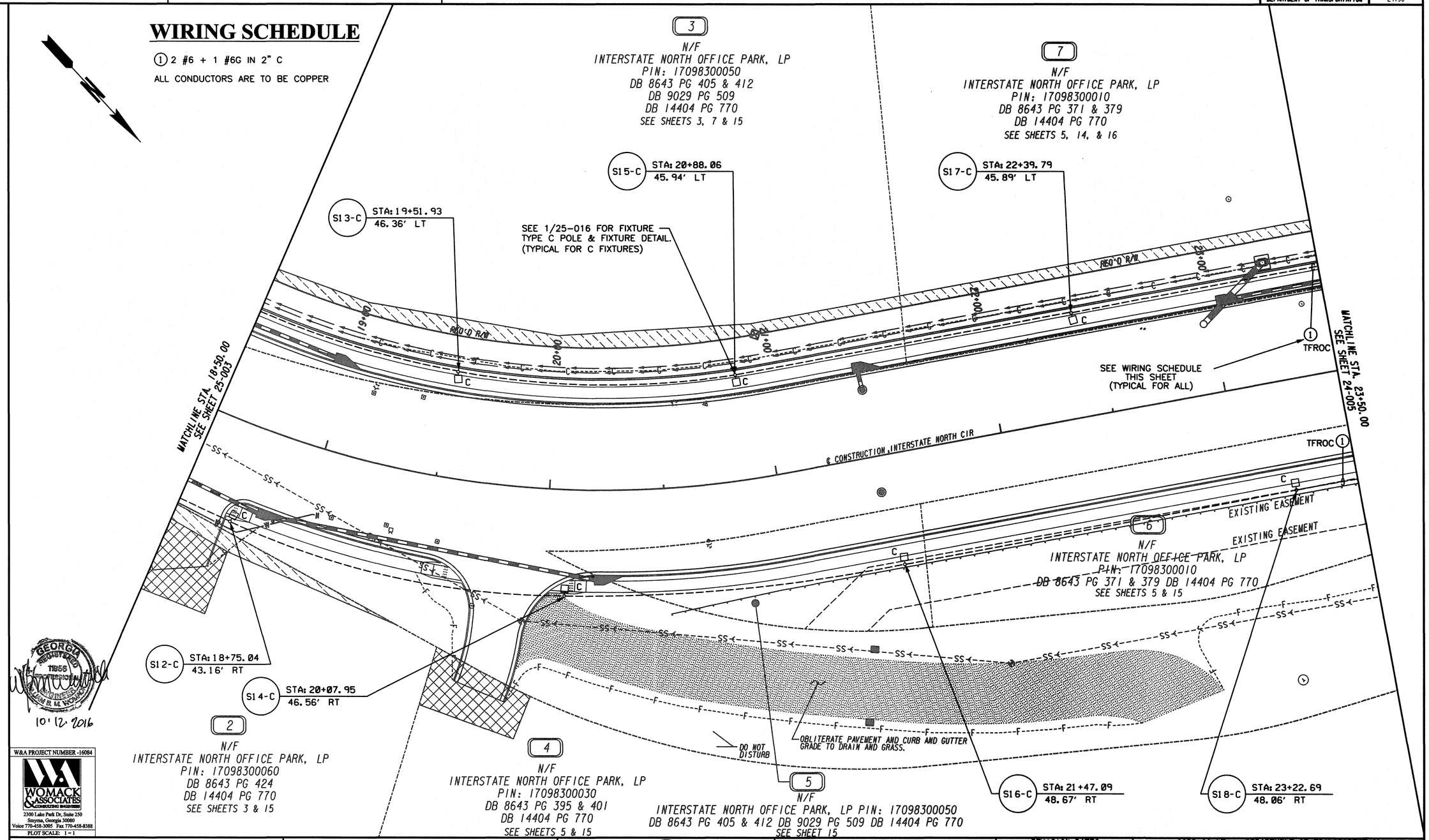
INTERSTATE NORTH PARKWAY AND INTERSTATE NORTH CIRCLE

CHECKED:	WMN	DATE:	10.12.16	DRAWING No.
BACKCHECKED:		DATE:		25-003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

WIRING SCHEDULE

(1) 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER



GEORGIA REGISTERED 11855 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10/12/2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-438-3005 Fax 770-438-8388

PLOT SCALE: 1 = 1

7/31/2015 GPLH

PROPERTY AND EXISTING R/W LINE ------℄------
REQUIRED R/W LINE ————————
CONSTRUCTION LIMITS --C--F--
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH CIRCLE

CHECKED:	WBM	DATE:	10.12.16	DRAWING No.
BACKCHECKED:		DATE:		25-004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/12/2016 9:10:47 AM GPLOT-V8 H:\W&A\2016\16084 - Interstate N Parkway and Interstate N Circle Lighting\ACAD\00E4190_25-005.dgn

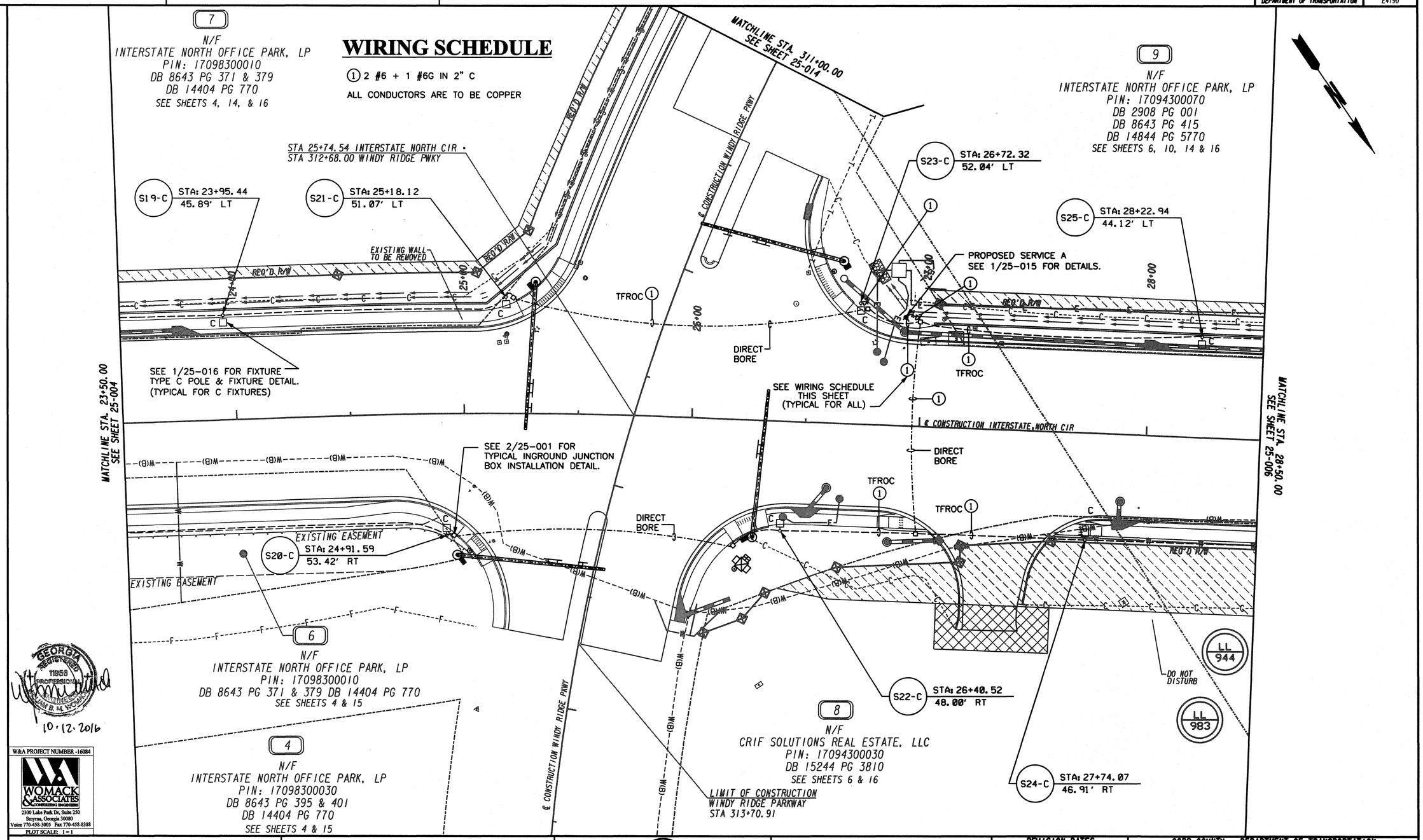
USER:Gillis

COBB COUNTY DEPARTMENT OF TRANSPORTATION | PROJECT No. E4190

WIRING SCHEDULE

① 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER



GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
PLOT SCALE: 1 = 1

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	
BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES		
10/13/16		

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH CIRCLE AND WINDY RIDGE PARKWAY

CHECKED:	WBMW	DATE:	10.12.16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 25-005

7/31/2015 GPLN

WIRING SCHEDULE

① 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER

75' COLONIAL GAS PIPELINE EASEMENT

9
N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094300070
DB 2908 PG 001
DB 8643 PG 415
DB 14844 PG 5770
SEE SHEETS 5, 10, 14 & 16

S27-C STA: 29+69.49 44.34' LT

S29-C STA: 31+37.84 45.60' LT

TFROC ①

29+00 30+00 31+00 32+00 32+20 33+00 34+00

SEE WIRING SCHEDULE THIS SHEET (TYPICAL FOR ALL)

MATCHLINE STA. 28+50.00 SEE SHEET 25-005

© CONSTRUCTION INTERSTATE NORTH CIR

TFROC ①

REQ'D R/W

S26-C STA: 28+98.18 45.79' RT

S28-C STA: 30+07.47 49.67' RT

S30-C STA: 31+47.57 31.80' RT

END PROJECT
END CONSTRUCTION
INTERSTATE NORTH CIRCLE
STA 32+00.00
N 1417951.1579
E 2206760.9356

SEE 1/25-016 FOR FIXTURE TYPE C POLE & FIXTURE DETAIL. (TYPICAL FOR C FIXTURES)

LL 944

LL 943

LL 984

8
N/F
CRIF SOLUTIONS REAL ESTATE, LLC
PIN: 17094300030
DB 15244 PG 3810
SEE SHEETS 5 & 16

GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER BENJAMIN B. M. HOWICK

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
PLOT SCALE: 1=1

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION
LIGHTING PLANS
INTERSTATE NORTH CIRCLE

CHECKED:	WHowick	DATE:	10-12-16	DRAWING No.
BACKCHECKED:		DATE:		25-006
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLH

WIRING SCHEDULE

① 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER

N

LL 982

LL 983

S35-A STA: 102+92.93 22.11' LT

S33-B STA: 101+77.99 25.03' LT

UNKNOWN EXISTING EASEMENT

SEE 2/25-016 FOR FIXTURE TYPE B POLE DETAIL. (TYPICAL FOR B FIXTURES)

102+00

103+00

104+00

105+00

106+00

107+00

1

N/F
THE WEATHER CHANNEL, INC.
PIN: 17098300020
DB 9609 PG 294, 303 & 306
DB 11528 PG 100 & 107
DB 14532 PG 2297
SEE SHEETS 2, 3, 8, & 15

S41-B STA: 106+33.15 24.69' LT

SEE WIRING SCHEDULE THIS SHEET (TYPICAL FOR ALL)

S39-A STA: 105+00.00 28.63' LT

EXISTING PEDESTRIAN BRIDGE

S37-B STA: 104+01.38 30.04' LT

TFROC ①

MATCHLINE STA. 101+50.00 SEE SHEET 25-003

MATCHLINE STA. 107+00.00 SEE SHEET 25-008

℄ CONSTRUCTION INTERSTATE NORTH PKWY (NORTH)

S42-B STA: 106+52.98 32.17' RT

S40-A STA: 105+51.00 37.20' RT

10

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300090
DB 9609 PG 306
DB 13365 PG 861
SEE SHEETS 8, 16 & 17

S36-A STA: 103+01.00 51.58' RT

S34-B STA: 101+79.63 47.56' RT

3

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300050
DB 8643 PG 405 & 412
DB 9029 PG 509
DB 14404 PG 770
SEE SHEETS 3, 4, & 15

S38-B STA: 104+17.06 45.53' RT

SEE 1/25-016 FOR FIXTURE TYPE A POLE DETAIL. (TYPICAL FOR A FIXTURES)

11

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094400050
DB 8643 PG 382
DB 11148 PG 361
DB 14404 PG 770
SEE SHEETS 8, 9, 10, 14 & 17

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300080
DB 14404 PG 770

UNKNOWN EXISTING EASEMENT

UNKNOWN EXISTING EASEMENT

GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. HOWARD

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

7/31/2015 GPLM

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:	WHM	DATE: 10-12-16	DRAWING No.
BACKCHECKED:		DATE:	25-007
CORRECTED:		DATE:	
VERIFIED:		DATE:	

WIRING SCHEDULE

① 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER

N

LL 982

LL 945

STATE OF GEORGIA

SEE 2/25-016 FOR FIXTURE TYPE B POLE DETAIL. (TYPICAL FOR B FIXTURES)

S43-A STA: 107+46.08 31.65' LT

S45-B STA: 108+65.92 26.81' LT

S47-A STA: 109+67.86 27.52' LT

S49-B STA: 110+83.84 27.67' LT

108°00

109°00

110°00

111°00

DO NOT DISTURB EXISTING FENCE

SEE WIRING SCHEDULE THIS SHEET (TYPICAL FOR ALL)

TFROC ①

9

N/F
THE WEATHER CHANNEL, INC.
PIN: 17098300020
DB 9609 PG 294, 303 & 306
DB 11528 PG 100 & 107
DB 14532 PG 2297
SEE SHEETS 2, 3, 7, & 15

℄ CONSTRUCTION INTERSTATE NORTH PKWY (NORTH)

101°00

MATCHLINE STA. 107+00.00 SEE SHEET 25-007

MATCHLINE STA. 111+50.00 SEE SHEET 25-009

SEE 1/25-016 FOR FIXTURE TYPE A POLE DETAIL. (TYPICAL FOR A FIXTURES)

TFROC ①

S46-B STA: 109+09.01 40.47' RT

S48-A STA: 110+53.27 40.60' RT

S44-A STA: 107+86.15 40.35' RT

11

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094400050
DB 8643 PG 382
DB 11148 PG 361
DB 14404 PG 770
SEE SHEETS 7, 9, 10, 14 & 17

LL 944

10

LL 983

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17098300090
DB 9609 PG 306
DB 13365 PG 861
SEE SHEETS 7, 16 & 17

GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

7/31/2015 GPLN

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:	WMomack	DATE:	10.12.16	DRAWING No.
BACKCHECKED:		DATE:		25-008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

WIRING SCHEDULE

① 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER

LL 945

LL 944

STATE OF GEORGIA

S51-A STA: 111+96.46 27.81' LT

S53-B STA: 113+18.14 29.45' LT

S55-A STA: 114+37.22 30.60' LT

SEE 1/25-016 FOR FIXTURE TYPE A POLE DETAIL. (TYPICAL FOR A FIXTURES)

S57-B STA: 115+54.76 30.72' LT

112+00

113+00

114+00

115+00

116+00

MATCHLINE STA. 111+50.00 SEE SHEET 25-008

MATCHLINE STA. 116+00.00 SEE SHEET 25-010

N43°43'04.0"W

TFROC ①

SEE WIRING SCHEDULE THIS SHEET (TYPICAL FOR ALL)

SEE 2/25-016 FOR FIXTURE TYPE B POLE DETAIL. (TYPICAL FOR B FIXTURES)

S52-A STA: 112+87.99 46.34' RT

S54-B STA: 113+99.00 43.29' RT

S50-B STA: 111+62.79 40.77' RT

S56-A STA: 115+18.58 43.69' RT

11

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094400050
DB 8643 PG 382
DB 11148 PG 361
DB 14404 PG 770
SEE SHEETS 7, 8, 10, 14 & 17

GEORGIA REGISTERED 11256 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10·12·2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1=1

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY (NORTH)

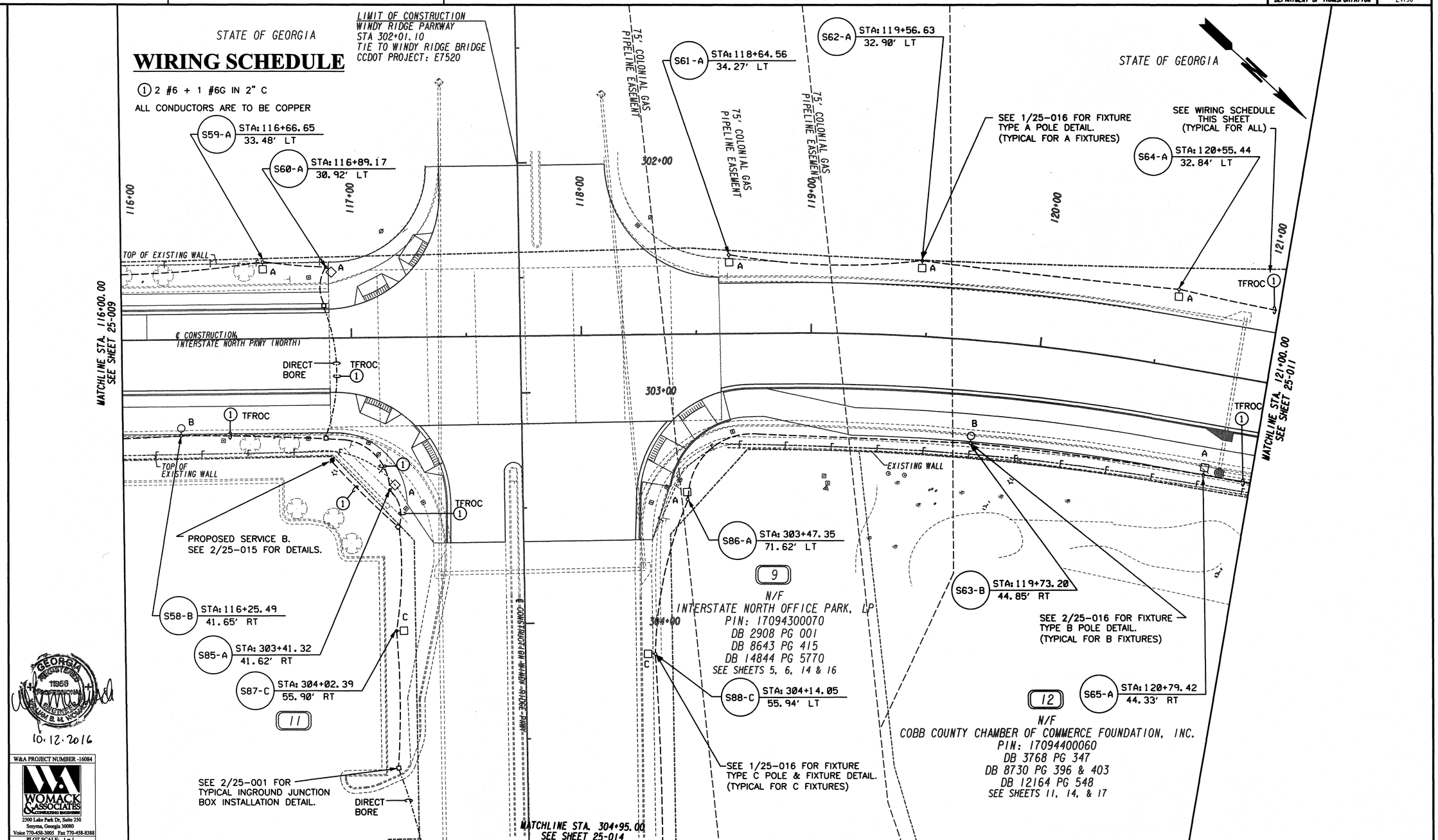
CHECKED:	WMW	DATE:	10.12.16	DRAWING No.
BACKCHECKED:		DATE:		25-009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

10/12/2016 9:23:43 AM GPLOT-V8 H:\W&A\2016\16084 - Interstate N Parkway and Interstate N Circle Lighting\ACAD\00E4190_25-010.dgn

USER:Gillis

COBB COUNTY DEPARTMENT OF TRANSPORTATION | PROJECT No. E4190



W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
PLOT SCALE: 1 = 1

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY (NORTH) AND WINDY RIDGE PARKWAY

CHECKED:	WJMW	DATE:	10-12-16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 25-010

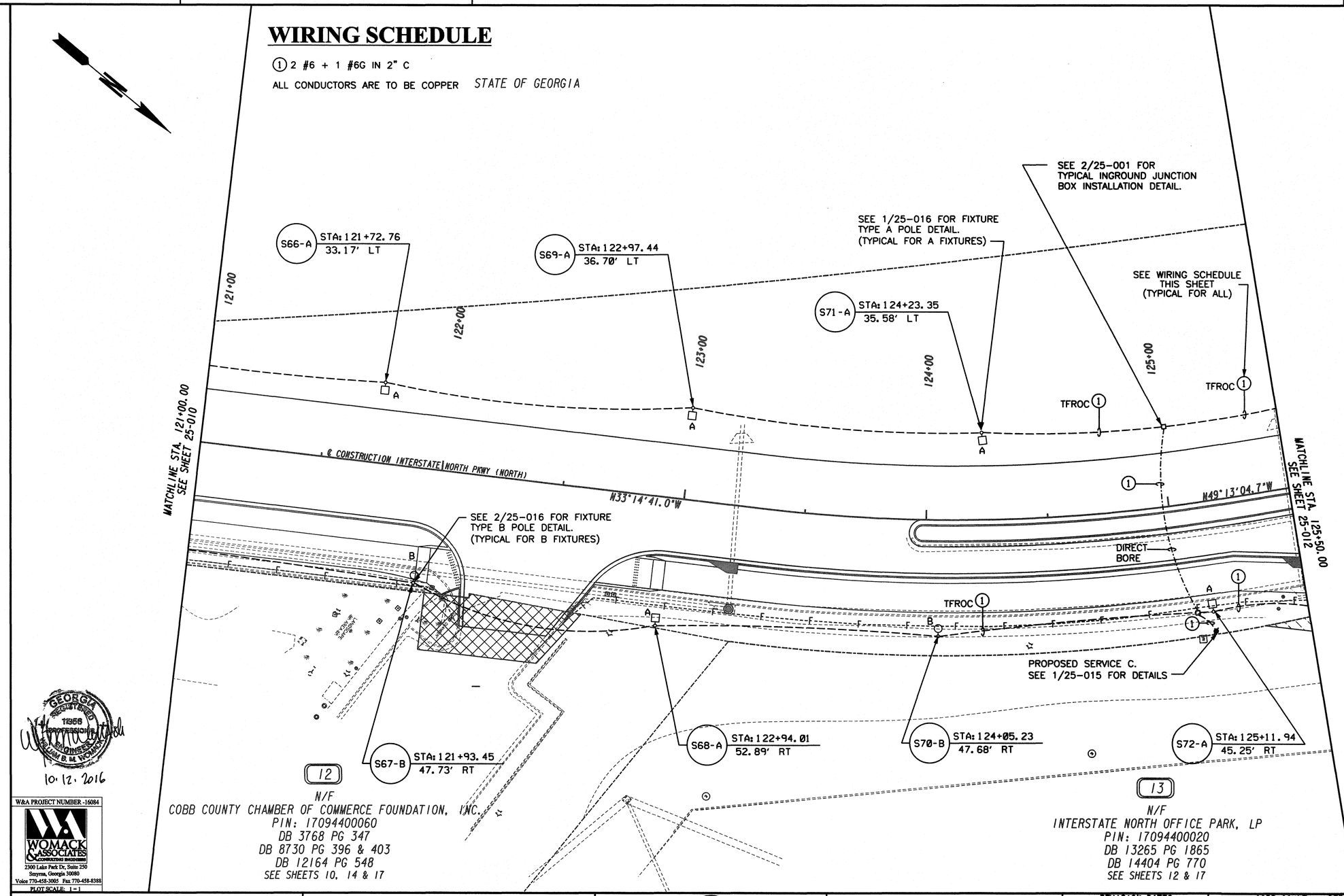
7/31/2015 GPLN

WIRING SCHEDULE

(1) 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER

STATE OF GEORGIA



GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

7/31/2015 GPLN

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
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(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES		
10/13/16		

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:	[illegible]	DATE: 10.12.16	DRAWING No.
BACKCHECKED:		DATE:	25-011
CORRECTED:		DATE:	
VERIFIED:		DATE:	

WIRING SCHEDULE

(1) 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER

LL 944

LL 917

STATE OF GEORGIA

S73-A STA: 125+58.00 33.43' LT

S75-A STA: 126+82.64 35.14' LT

S77-A STA: 128+21.17 31.77' LT

S79-A STA: 129+32.62 30.48' LT

S81-A STA: 130+51.00 30.57' LT

SEE 1/25-016 FOR FIXTURE TYPE A POLE DETAIL. (TYPICAL FOR A FIXTURES)

N49°13'04.7"W

126+00

127+00

128+00

129+00

130+00

131+00

TFROC (1)

MATCHLINE STA. 125+50.00 SEE SHEET 25-011

MATCHLINE STA. 131+00.00 SEE SHEET 25-013

SEE WIRING SCHEDULE THIS SHEET (TYPICAL FOR ALL)

℄ CONSTRUCTION INTERSTATE NORTH PKWY (NORTH) N64°07'39.8"W

EXISTING WALL TO BE REMOVED

SEE 2/25-001 FOR TYPICAL INGROUND JUNCTION BOX INSTALLATION DETAIL.

DIRECT BORE

REQ'D R/W

DO NOT DISTURB

S74-B STA: 126+05.68 48.22' RT

S76-A STA: 127+30.46 44.10' RT

S78-A STA: 128+31.58 62.26' RT

S80-B STA: 129+58.51 36.65' RT

SEE 2/25-016 FOR FIXTURE TYPE B POLE DETAIL. (TYPICAL FOR B FIXTURES)

℄ CONSTRUCTION INTERSTATE NORTH CIRCLE

LIMIT OF CONSTRUCTION INTERSTATE NORTH CIRCLE STA 45+41.95

LL 918

LL 943

13

N/F
INTERSTATE NORTH OFFICE PARK, LP
PIN: 17094400020
DB 13265 PG 1865
DB 14404 PG 770
SEE SHEETS 11 & 17

14

N/F
GARRISON NORTHWEST ATLANTA PROPCO, LLC
PIN: 17091800040
DB 8645 PG 418
DB 11070 PG 278
DB 13920 PG 2589
DB 15084 PG 5910
SEE SHEETS 13 & 17

GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES		
10/13/16		

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY (NORTH) AND INTERSTATE NORTH CIRCLE

CHECKED:	WBMW	DATE:	10-12-2016	DRAWING No.
BACKCHECKED:		DATE:		25-012
CORRECTED:		DATE:		
VERIFIED:		DATE:		

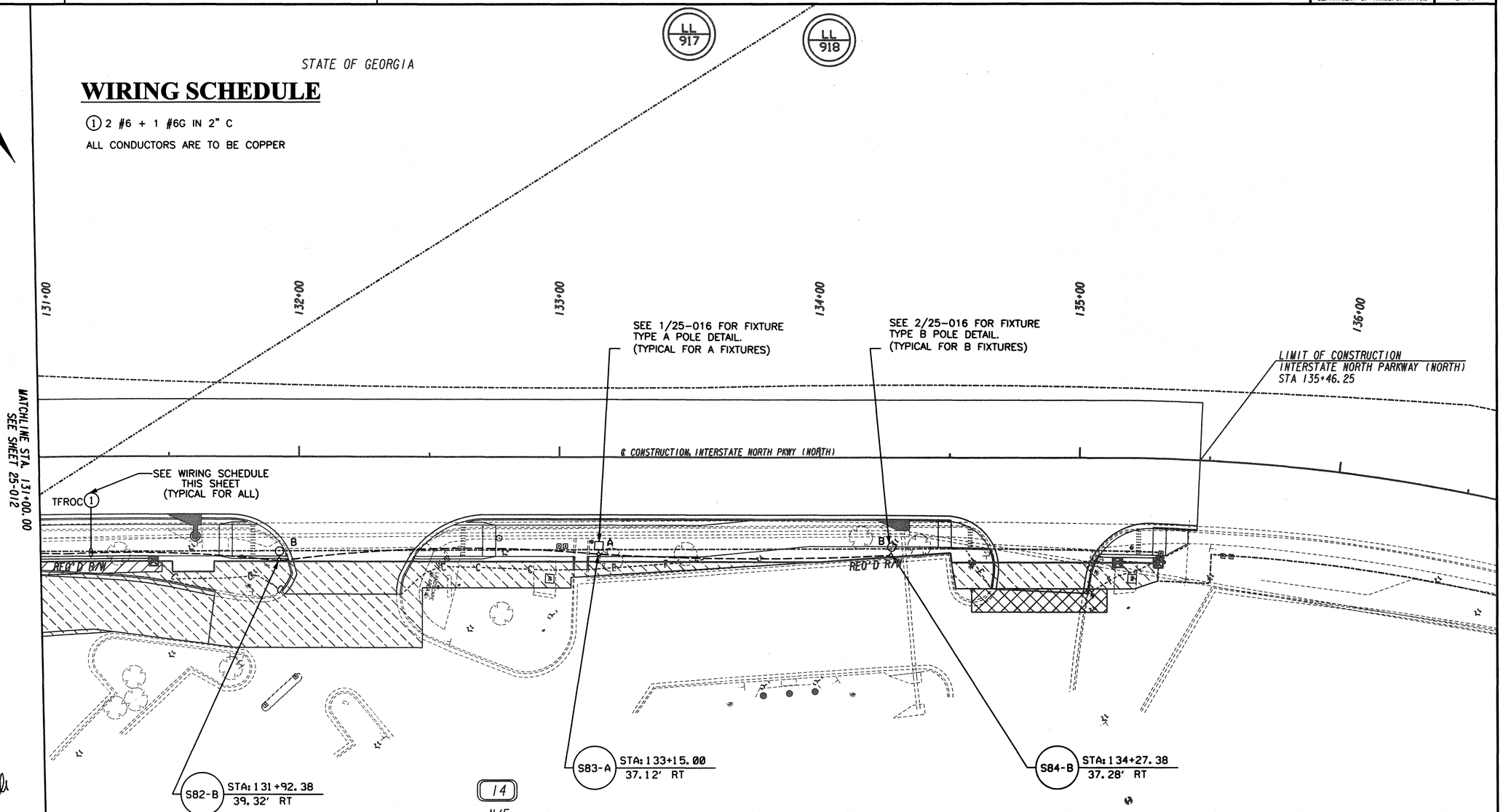
7/3/2015 GPLH

STATE OF GEORGIA

WIRING SCHEDULE

(1) 2 #6 + 1 #6G IN 2" C

ALL CONDUCTORS ARE TO BE COPPER



14

N/F
GARRISON NORTHWEST ATLANTA PROPCO, LLC
PIN: 17091800040
DB 8645 PG 418
DB 11070 PG 278
DB 13920 PG 2589
DB 15084 PG 5910
SEE SHEETS 12 & 17

GEORGIA REGISTERED 11858 PROFESSIONAL ENGINEER WILLIAM B. M. NOMACK

10·12·2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY (NORTH)

CHECKED:	WMN	DATE:	10-13-16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

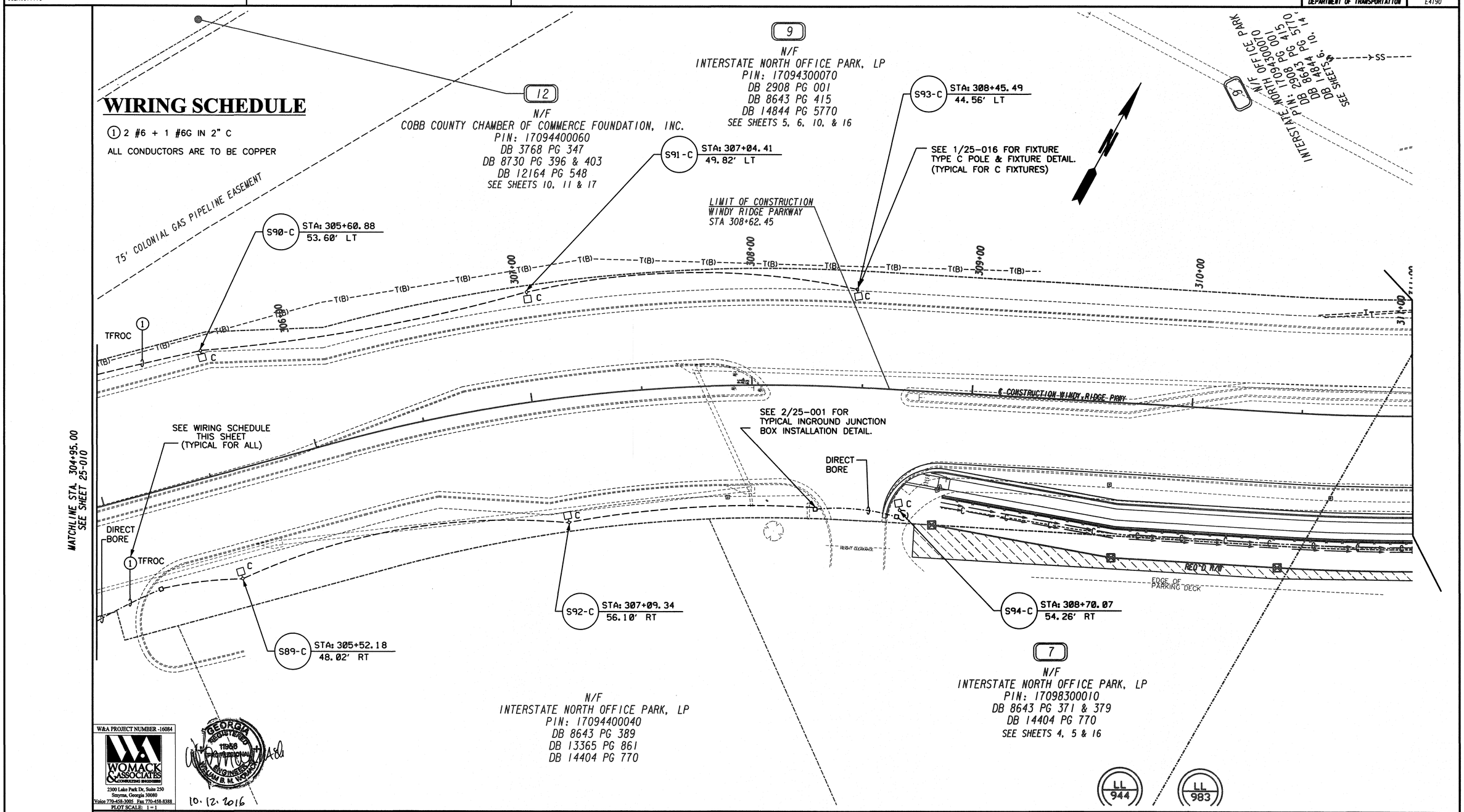
DRAWING No. 24-013

7/31/2015 GPLH

10/12/2016 11:37:54 AM GPLOT-V8 H:\W&A\2016\16084 - Interstate N Parkway and Interstate N Circle Lighting\ACAD\00E4190_25-014.dgn

USER:Gillis

COBB COUNTY DEPARTMENT OF TRANSPORTATION | PROJECT No. E4190



W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
PLOT SCALE: 1 = 1

GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. WOMACK

10.12.2016

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	C F
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 20 40 80

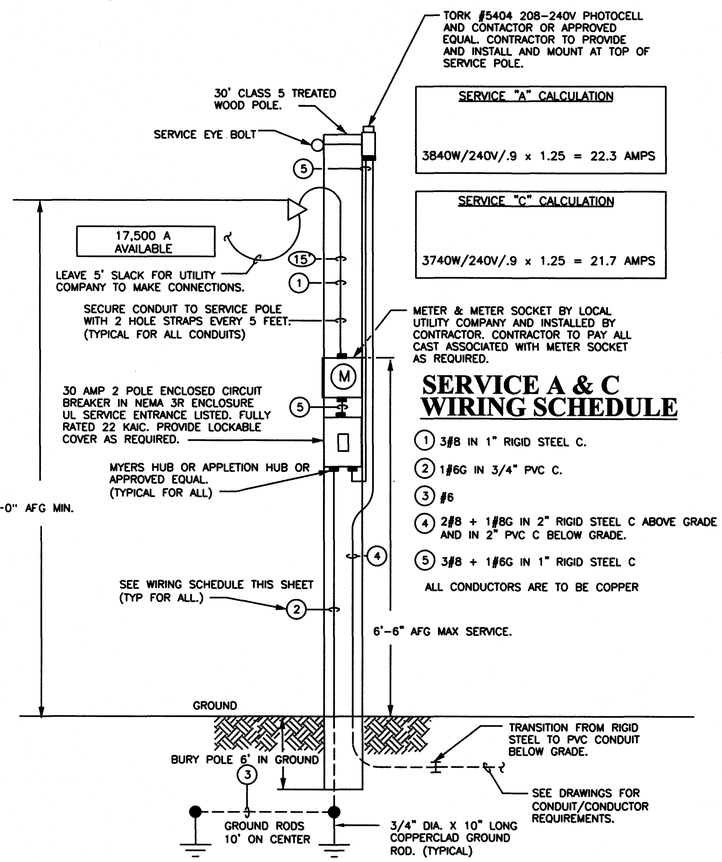
REVISION DATES
10/13/16

COBB COUNTY - DEPARTMENT OF TRANSPORTATION
LIGHTING PLANS
WINDY RIDGE PARKWAY

CHECKED:	W. Womack	DATE:	10-12-16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 25-014

7/31/2015 GPLN



SERVICE "A" CALCULATION

3840W/240V/.9 x 1.25 = 22.3 AMPS

SERVICE "C" CALCULATION

3740W/240V/.9 x 1.25 = 21.7 AMPS

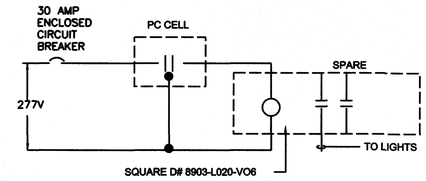
SERVICE A & C WIRING SCHEDULE

1. 3#8 IN 1" RIGID STEEL C.
2. 1#6G IN 3/4" PVC C.
3. #6
4. 2#8 + 1#8G IN 2" RIGID STEEL C ABOVE GRADE AND IN 2" PVC C BELOW GRADE.
5. 3#8 + 1#6G IN 1" RIGID STEEL C

ALL CONDUCTORS ARE TO BE COPPER

1 ONE LINE DIAGRAM SERVICE 'A' & 'C'

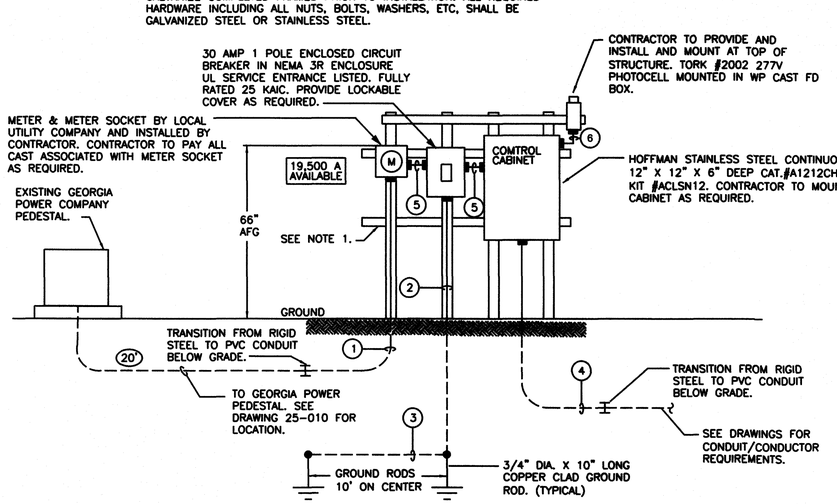
25-015 SCALE: NTS



SERVICE B CONTROL SCHEMATIC

NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL FIELD FABRICATED SUPPORTS FOR PANEL AND METER. SUPPORTS SHALL BE 3" X 3" X 1/4" THICK ANGLE IRON FRAMES, MIN. OF 2 DOWN LEGS PER PANEL AND MINIMUM OF 2 CROSS BRACES PER PANEL. PROVIDE ADDITIONAL LEGS AND CROSS BRACES IF REQUIRED TO STABILIZE THE PANEL. HOT DIP GALVANIZE COMPLETED FRAMES PRIOR TO INSTALLATION. ALL REQUIRED HARDWARE INCLUDING ALL NUTS, BOLTS, WASHERS, ETC, SHALL BE GALVANIZED STEEL OR STAINLESS STEEL.



SERVICE "B" CALCULATION

3850W/277V/.9 x 1.25 = 19.4 AMPS

SERVICE B WIRING SCHEDULE

1. 2 #8 IN 3/4" C
2. 1#6G IN 3/4" PVC C.
3. #6
4. 2#8 + 1#8G IN 2" RIGID STEEL C ABOVE GRADE AND IN 2" PVC C BELOW GRADE.
5. 2#8 + 1#6G IN 1" RIGID STEEL C
6. 3#8 + 1#8G IN 1" RIGID STEEL C

ALL CONDUCTORS ARE TO BE COPPER

2 ONE LINE DIAGRAM SERVICE 'B"

25-015 SCALE: NTS

GEORGIA REGISTERED 11958 PROFESSIONAL ENGINEER JOSEPH B. M. WOMACK

10.12.2016

W&A PROJECT NUMBER -16084

WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388

PLOT SCALE: 1 = 1

7/31/2015 GPLH

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

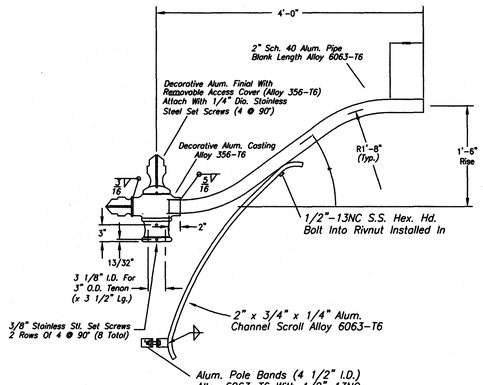
REVISION DATES
10/13/16

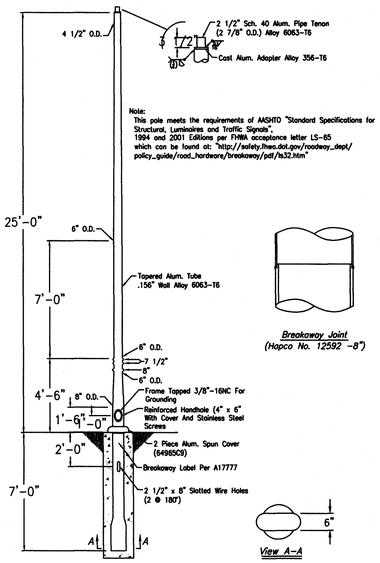
COBB COUNTY - DEPARTMENT OF TRANSPORTATION

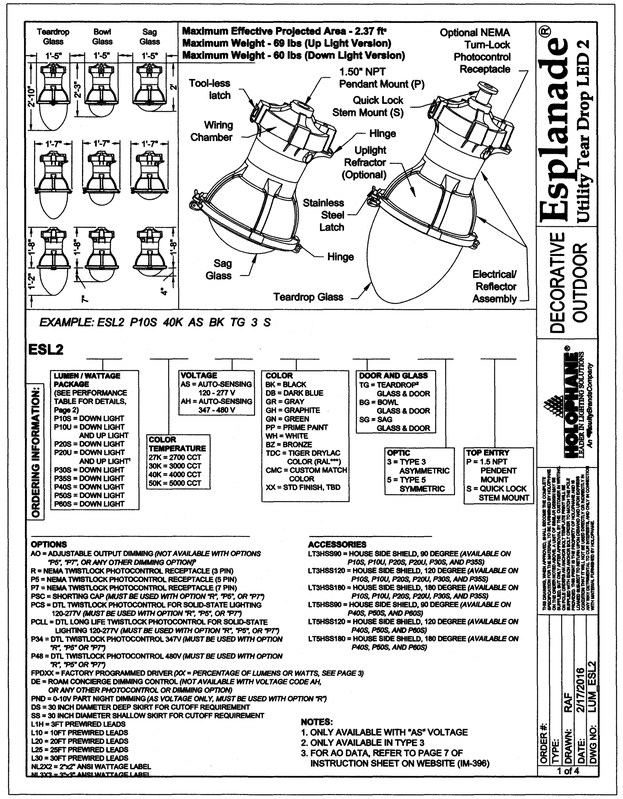
LIGHTING PLANS

INTERSTATE NORTH PARKWAY AT INTERSTATE NORTH CIRCLE REALIGNMENT

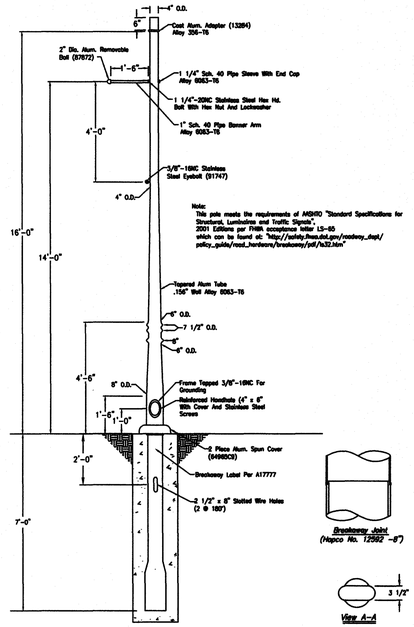
CHECKED:	WMK	DATE: 10.12.16	DRAWING No.
BACKCHECKED:		DATE:	25-015
CORRECTED:		DATE:	
VERIFIED:		DATE:	







FIXTURE TYPE C



FIXTURE TYPE B

1 / 25-016 **POLE FOUNDATION DETAIL**

SCALE: NTS

FIXTURE TYPE A & C

1 / 25-016 **POLE FOUNDATION DETAIL**

SCALE: NTS

FIXTURE TABLE

Pole No.	Station No.	Offset	(R)or(L)	SERVICE	Fixture Type	Voltage	Pole Height
S1-A	10+84.49	45.89	L	A	A	240	26'-6"
S2-B	12+13.05	45.73	L	A	B	240	17
S3-A	12+66.54	36.21	R	A	A	240	26'-6"
S4-A	13+44.79	46.52	L	A	A	240	26'-6"
S5-B	13+46.01	41.42	R	A	B	240	17
S6-A	14+48.27	40.14	R	A	A	240	26'-6"
S7-B	14+64.70	49.14	L	A	B	240	17
S8-C	15+86.83	34.52	R	A	C	240	26'-6"
S9-C	16+31.20	46.44	L	A	C	240	26'-6"
S10-C	17+31.50	37.15	R	A	C	240	26'-6"
S11-C	18+13.26	47.06	L	A	C	240	26'-6"
S12-C	18+75.04	43.16	R	A	C	240	26'-6"
S13-C	19+51.93	46.36	L	A	C	240	26'-6"
S14-C	20+07.95	46.56	R	A	C	240	26'-6"
S15-C	20+88.06	45.94	L	A	C	240	26'-6"
S16-C	21+47.09	48.67	R	A	C	240	26'-6"
S17-C	22+39.79	45.89	L	A	C	240	26'-6"
S18-C	23+22.69	48.06	R	A	C	240	26'-6"
S19-C	23+95.44	45.89	L	A	C	240	26'-6"
S20-C	24+91.59	53.42	R	A	C	240	26'-6"
S21-C	25+18.12	51.07	L	A	C	240	26'-6"
S22-C	26+40.52	48.00	R	A	C	240	26'-6"
S23-C	26+72.32	52.04	L	A	C	240	26'-6"
S24-C	27+74.07	46.91	R	A	C	240	26'-6"
S25-C	28+22.94	44.12	L	A	C	240	26'-6"
S26-C	28+98.18	45.79	R	A	C	240	26'-6"
S27-C	29.69.49	44.34	L	A	C	240	26'-6"
S28-C	30+07.47	49.67	R	A	C	240	26'-6"
S29-C	31+37.84	45.60	L	A	C	240	26'-6"
S30-C	31+47.57	31.80	R	A	C	240	26'-6"
S31-C	100+79.69	22.87	L	A	C	240	26'-6"
S32-C	100+83.55	46.53	R	A	C	240	26'-6"
S33-B	101+77.99	25.03	L	B	B	277	17
S34-B	101+79.63.	47.56	R	B	B	277	17
S35-A	102+92.93	22.11	L	B	A	277	26'-6"
S36-A	103+01.00	51.58	R	B	A	277	26'-6"
S37-B	104+01.38	30.04	L	B	B	277	17
S38-B	104+17.06	45.53	R	B	B	277	17
S39-A	105+00.00	28.63	L	B	A	277	26'-6"
S40-A	105+51.00	37.20	R	B	A	277	26'-6"
S41-B	106+33.15	24.69	L	B	B	277	17
S42-B	106+52.98	32.17	R	B	B	277	17
S43-A	107+46.08	31.65	L	B	A	277	26'-6"
S44-A	107+86.15	40.35	R	B	A	277	26'-6"
S45-B	108+65.92	26.81	L	B	B	277	17
S46-B	109+09.01	40.47	R	B	B	277	17
S47-A	109+67.86	27.52	L	B	A	277	26'-6"
S48-A	110+53.27	40.60	R	B	A	277	26'-6"
S49-B	110+83.84	27.67	L	B	B	277	17
S50-B	111+62.79	40.77	R	B	B	277	17
S51-A	111+96.46	27.81	L	B	A	277	26'-6"
S52-A	112+87.99	46.34	R	B	A	277	26'-6"
S53-B	113+18.14	29.45	L	B	B	277	17
S54-B	113+99.00	43.29	R	B	B	277	17
S55-A	114+37.22	30.60	L	B	A	277	26'-6"
S56-A	115+18.58	43.69	R	B	A	277	26'-6"
S57-B	115+54.76	30.72	L	B	B	277	17
S58-B	116+25.49	41.65	R	B	B	277	17
S59-A	116+66.65	33.48	L	B	A	277	26'-6"
S60-A	116+89.17	30.92	L	B	A	277	26'-6"
S61-A	118+64.56	34.27	L	C	A	240	26'-6"
S62-A	119+56.63	32.90	L	C	A	240	26'-6"
S63-B	119+73.20	44.85	R	C	B	240	17
S64-A	120+55.44	32.84	L	C	A	240	26'-6"
S65-A	120+79.42	44.33	R	C	A	240	26'-6"
S66-A	121+72.76	33.17	L	C	A	240	26'-6"
S67-B	121+93.45	47.73	R	C	B	240	17
S68-A	122+94.01	52.89	R	C	A	240	26'-6"
S69-A	122+97.44	36.70	L	C	A	240	26'-6"
S70-B	124+05.23	47.68	R	C	B	240	17
S71-A	124+23.35	35.58	L	C	A	240	26'-6"
S72-A	125+11.94	45.25	R	C	A	240	26'-6"
S73-A	125+58.00	33.43	L	C	A	240	26'-6"
S74-B	126+05.68	48.22	R	C	B	240	17
S75-A	126+82.64	35.14	L	C	A	240	26'-6"
S76-A	127+30.46	44.10	R	C	A	240	26'-6"
S77-A	128+21.17	31.77	L	C	A	240	26'-6"
S78-A	128+31.58	62.26	R	C	A	240	26'-6"
S79-A	129+32.62	30.48	L	C	A	240	26'-6"
S80-B	129+58.51	36.65	R	C	B	240	17
S81-A	130+51.00	30.57	L	C	A	240	26'-6"
S82-B	131+92.38	39.32	R	C	B	240	17
S83-A	133+15.00	37.12	R	C	A	240	26'-6"
S84-B	134+27.38	37.28	R	C	B	240	17
S85-A	303+41.32	41.62	R	B	A	277	26'-6"
S86-A	303+47.35	71.62	L	C	A	240	26'-6"
S87-C	304+02.39	55.90	R	B	C	277	26'-6"
S88-C	304+14.05	55.94	L	C	C	240	26'-6"
S89-C	305+52.18	48.02	R	B	C	277	26'-6"
S90-C	305+60.88	53.60	L	C	C	240	26'-6"
S91-C	307+04.41	49.82	L	C	C	240	26'-6"
S92-C	307+09.34	56.10	R	C	C	277	26'-6"
S93-C	308+45.49	44.56	L	C	C	240	26'-6"
S94-C	308+70.07	54.26	R	B	C	277	26'-6"

W&A PROJECT NUMBER -16084
WOMACK & ASSOCIATES CONSULTING ENGINEERS
2300 Lake Park Dr, Suite 250
Smyrna, Georgia 30080
Voice 770-458-3005 Fax 770-458-8388
PLOT SCALE: 1 = 1

GEORGIA REGISTERED 11956 PROFESSIONAL ENGINEER WILLIAM B. M. HOWARD

10.12.2016

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

REVISION DATES		
10/13/16		

COBB COUNTY - DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS

INTERSTATE NORTH PARKWAY AT INTERSTATE NORTH CIRCLE REALIGNMENT

CHECKED:	WBHoward	DATE:	10-12-16	DRAWING No.
BACKCHECKED:		DATE:		25-016
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN