Components of Plans Set
Roadway Plans

Commissioners:
Bill Proctor
District 1
Jane G. Sauls
District 2
John E. Dailley
District 3
Bryan Daisoge
District 4
Kristin Dozier
District 5
Nick Maddox
At-Large
Mary Ann Lindey
At-Large

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Meridian Road & Rhoden Cove Road
Intersection Improvements

General Notes:
1. PROJECT BENCHMARK: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88) BM #1 - 110 TH 428 ELEV. 238.12, BM #2 LEO 39 FEET ELEV. 86.01
2. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DETERMINE THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND PROVIDE FOR PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. UTILITIES ARE TO BE RELOCATED BY THE CONTRACTOR AT THEIR EXPENSE.
3. THE CONTRACTOR SHALL PROVIDE EXCAVATION OPENINGS FOR ALL EXISTING UTILITIES. EXISTING STRUCTURES SHALL BE REPLACED IN KIND UNLESS OTHERWISE SHOWN IN THE PLANS.
4. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS AT THE TELEPHONE NUMBERS LISTED BELOW TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS AT THE TELEPHONE NUMBERS LISTED BELOW TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY THE TELEPHONE NUMBERS LISTED BELOW TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.

Final Plans

Governmental Standards and Specifications
Florida Department of Transportation (FDOT) Design Standards dated January 2013, and Standard Specifications For Road and Bridge Construction dated 2013, as amended by contract documents.

Plans Prepared By:
ATKINS
2950 N Monroe St, Bldg C
Tallahassee, FL 32303
(850) 575-1600
www.atkinsglobal.com/northamerica

Version 2: 05-08-15/180.007
License of Authorization: 24
GENERAL TREE PROTECTION REQUIREMENTS:

1. The preliminary plans for this project will have only minor impact to the trees in the Canopy Road Protection Zone. The majority of the proposed improvements are located within existing disturbed soils in the current pavement and ditch locations. Installation of the curb will be the most significant root disturbance. Storm water pipe is planned to be placed primarily under the existing roadway with the southern end being installed in the existing ditch. Several storm water structures (P5) and pipe inlets and outfalls will be placed on the outer edge of the Critical Protection Zone (CPZ) of several trees but the intrusion is very minor (less than 5%).

2. One tree, a 17” laurel oak located on the south side of Rhodeon Cove 98’ from the centerline of Meridian Road will need to be removed in order to move a telephone utility box. This tree has a large longitudinal cavity from the base up 20’ on the trunk. The cavity has created a cavity 12’ deep and 6’ wide. The tree is a potential hazard and should be removed even if not required by this project.

3. The majority of the impacted trees are in very good condition. Three larger (greater than 20”) water oaks and 1 sweet gum have some deadwood (30%) but are otherwise in good condition. In my preliminary visual inspection, I found little evidence of any structural concerns. The soil in the CPZ of these trees past the existing ditch is undisturbed forest except for 2 oaks north of Rhodeon Cove where a City of Tallahassee gas line structure is located. One tree, a 19” laurel oak shown on the plans on the southwest corner of Rhodeon Cove, has apparently died and been removed. Ironically this tree would have been the most impacted tree on the project.

4. Most of the proposed improvements for this intersection will cause little harm to the canopy trees and what damage is done can be mitigated by the requirements listed below.

SPECIAL TREE PROTECTION REQUIREMENTS:

1. Root pruning will occur prior to any excavation within the CPZ of any tree. All pruned/cut roots exposed will be covered as soon as possible with topsoil, mulch, or other organic medium. Root pruning is not necessary where adding fill creates a grade change greater than 14”.

2. Watering
   Following root pruning and through substantial completion of the project, any pruned trees will be watered at the rate equivalent to 1” of rainfall per week. Watering will be adjusted as required by the weather conditions. A rain gauge should be installed on site and monitored weekly by the site supervisor.

3. Pruning
   All trees must be pruned according to ANSI A300 pruning standards to enhance their health. This pruning will consist of the removal of dead, dying, diseased, interfering (subordinate limbs which may be restricting growth of more dominant limbs), objectionable (increased risk of branch and stem failure, development of low aggressive limbs, formation of co-dominant stems, defects such as included bark and dead branches, obstructed views), and weak branches on the main trunk, as well as those within leaf area. An occasional branch up to two inches in diameter may remain within the main leaf area where it is not practical to remove it.

4. Tree Protection
   Tree protection barricades or fences will be installed prior to any development activities along the root pruning lines and elsewhere along the CPZ line on the property to prevent root and soil compaction resulting from vehicular traffic, equipment storage, or material stock piling. Barricades should be metal fence posts set at 10’ intervals with hog wire fencing. Under no circumstances should this barricade line be crossed.

Bill Armstrong, Certified Arborist
1. Traffic controls shall be in accordance with the project plans. The current edition of the FDOT Design Standard Index Nos. 600, 603, 604 & 605 dependent upon the operation to be performed.

2. Traffic shall be maintained in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways" and the FDOT's "Design Standards."

3. Conflicting or misleading pavement markings shall be removed by hydro-blasting or any other method which produces the same results in the same manner as hydro-blasting. All existing pavement markings outside the limits of construction which are altered shall be replaced upon completion of the project.

4. The contractor shall maintain positive drainage through the project during all phases of construction.

5. The contractor shall maintain access to adjacent properties during all phases of construction.

6. Traffic conditions, accidents and other unforeseen emergency conditions may require the engineer to restrict or remove lane closures or channelizations. The contractor shall respond and provide adjustments as directed by the engineer without delay under these conditions. The contractor shall also respond within the time constraints outlined in the standard specifications upon notification by the engineer for any request for correction, improvement, or modification to the traffic control plan and/or devices.

7. The contractor shall install temporary pavement markings indicating lane lines, arrows and pavement messages shall be provided to completely define traffic operations during and at the end of each operation and/or day's operation. Cost shall be included in the unit price for maintenance of traffic.

8. It is the contractor's responsibility to remove all unused barricades, signs, arrows or warning devices to the appropriate storage facility upon completion of their use for the desired traffic control operation. TCP signs may remain in place, but shall be facing traffic and completely covered as not to be readable.

9. Existing regulatory speed of 45 mph shall be used for traffic control during construction.

10. The contractor shall confirm that existing signage will not pose a conflict for work zone traffic control. The contractor shall cover, relocate or remove all signage in conflict with traffic control during construction operations. The contractor shall provide a safe storage of signing materials to be reinstalled upon completion of their use for the desired traffic control operation. TCP signs may remain in place, but shall be facing traffic and completely covered as not to be readable.

11. Any required temporary pavement markings shall be in place before opening lanes to traffic.

12. Working hours shall be from 9:00 AM to 4:00 PM, Monday through Friday, however, upon request of the contractor, the engineer or his designee, may consider an alternative to these working hours based on the time of the year, site, weather, and traffic conditions.

13. Single lane closures will be allowed between 7:00 AM and 4:00 PM. Lane closures will not be allowed during special events and during the holidays periods of Memorial Day (last Monday in May), Independence Day (July 3 and 4), Labor Day (First Monday in September), Thanksgiving (last Thursday, Friday, Saturday and Sunday of Thanksgiving), Christmas Day (December 25), New Year's Eve (December 31), New Years Day (January 1).

14. SLOPE CLEARANCE & CONTACT POINTS

Erosion Control Notes:

1. The specifications section 104, January 2011 update available at the following URL shall apply to this project:

http://www.dot.state.fl.us/specificationsoffice/implementedspecbooks/2010archives.shtm


2. Sediment barriers and inlet protection systems shall be constructed prior to activities that expose soil. FDOT Design Standard 102 (January 2011 iteration) provides details of sediment barriers and inlet protection systems. The E&SC manual provides additional details.

3. Construct sediment barriers on all slopes draining away from project areas that will have exposed soil.

4. Construct sediment barriers and inlet protection systems at a minimum at the location shown in the plans to prevent sediment laden water from leaving the site.

5. The contractor is responsible for removal and clean-up of any sediment that leaves the site.

6. The erosion control devices shown on these plans are the minimum required and shall be maintained in accordance with all applicable regulations. Additional erosion controls may be required by the Leon County Department of Development Support & Environmental Management Inspector to control sediments and shall be the responsibility of the contractor.

Leon County
Meridian Rd & Rhoden Cove
Erosion Control & Mot
WARNING: GAS MAIN IN AREAS OF CONSTRUCTION

SURVEY PROVIDED BY: LM2 CONSULTING, INC.
ELEVATIONS ARE BASED ON NAVD 88 AND THE FOLLOWING BENCHMARKS WERE USED:
BM #1 - 1-10 74 A05 - 30788'34.3327"N, 84°10'36.5158"W, ELEVATION = 238.12
BM #2 - LEO 28 FLOOR - 30788'34.3327"N, 84°10'36.5158"W, ELEVATION = 80.31
WARNING: GAS MAIN IN AREAS OF CONSTRUCTION

Scale: 1" = 10' Horizontal
1" = 5' Vertical

CONST. INLET TYPE D, W/ SLOT OPENING
SOUTH SIDE & OPEN BOTTOM W/ GRAVEL
TOP EL 98.88
FL 95.88
OPENING INV 97.00
INDEX NO: S 200 & 232

EXISTING GAS
2.5" SCH 40 PIPE ACROSS OPENING
Pipe to be cut and drilled per grate detail
EL. 98.00
BOLTS TO BE CENTERED IN WALLS. PIPE
ANCHOR

INDEX NO.'S 200 & 232
OPENING INV 97.00
EXISTING GAS

[Diagram showing construction details with annotations]
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## Revisions

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**Leon County**

**Meridian Rd & Rhoden Cove**

**Construction Drawings**

- Meridian Road & Rhoden Cove Road
- Intersection Improvements

**Atkins**

- 2033 Monroe Street, Ste. C, Tallahassee, Florida 32303
- FBPE Certificate of Authorization No. 24
- Nicholas A. Grosso, P.E.

**AASHTO 2004 (US)**

- Certification of Authorization No. 24
- Nicholas A. Grosso, P.E.

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**Scale**

- 1/2" = 40 feet

**Legend**

- STA. 19+51.39
- STA. 15+51.55
- STA. 10+13.89

**Notes**

- 10-40 Feet

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**Intersection**

- STA. 15+51.55
- STA. 10+13.89
TURNING MOVEMENTS USING EXISTING ROAD CONDITIONS

TURNING MOVEMENTS USING EXISTING ROAD CONDITIONS
**WARNING: GAS MAIN IN AREAS OF CONSTRUCTION**

**REVISIONS**

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**SURVEY PROVIDED BY: LMK CONSULTING, INC.**

ELEVATIONS ARE BASED ON NAVD88 AND THE FOLLOWING BENCHMARKS WERE USED:

- BM #1 - 1-10 74 A25 - 3032934.23327'(N), 8411038.51558'(W), ELEVATION = 238.12
- BM #2 - 100 2B FLORR - 3032934.23324'(N), 8411038.51588'(W), ELEVATION = 90.51

**LEON COUNTY**

**CONSTRUCTION PLANS FOR**

MERIDIAN RD & RHODEN COVE ROAD
INTERSECTION IMPROVEMENTS

**ATKINS**

3530 W. Warner Road, Suite C, Tallahassee, Florida 32303
FCC Certificate of Authorization No. 24
Victoria A. Greene, P.E. 1950

**MERIDIAN RD & RHODEN COVE EROSION CONTROL**

**MATCHLINE STA. 17+00.00**

**DATE DESCRIPTION**

2/27/2013 USER: 18050 J:\FDOT 2010 Projects\10002873500\roadway\PLANRD05-EC.DGN