

**COMPONENTS OF CONTRACT PLANS SET**

- ROADWAY PLANS
- SIGNAL PLANS
- EROSION CONTROL & TREE PROTECTION PLANS



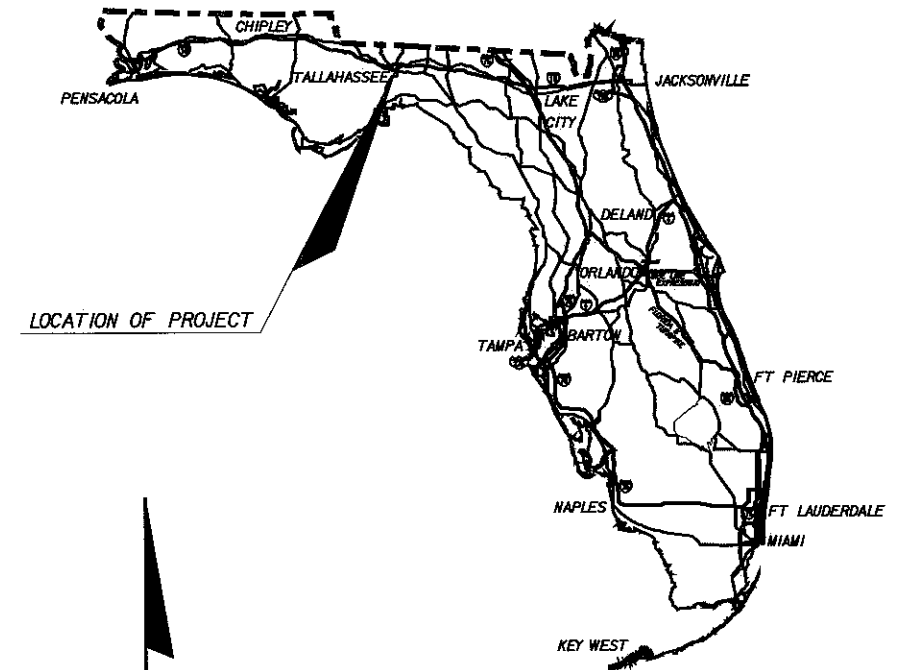
**CONTRACT PLANS**  
**LEON COUNTY**

**MERIDIAN ROAD AND  
OX BOTTOM ROAD INTERSECTION**

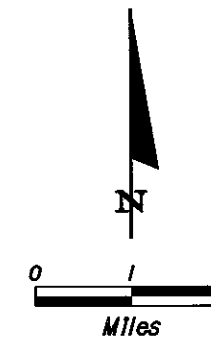
A DETAILED INDEX APPEARS ON THE  
KEY SHEET OF EACH COMPONENT

**INDEX OF ROADWAY PLANS**

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	DRAINAGE MAP
3	TYPICAL SECTIONS & DETAILS
4	MITIGATION NOTES
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23	UTILITY PLAN SHEET



LOCATION OF PROJECT



ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:

M. Todd French, P.E.  
2639 N. MONROE ST. BLDG C  
Tallahassee, FL 32303

PLANS PREPARED BY:



2639 N. MONROE ST. BLDG C  
Tallahassee, FL 32303  
(850) 575-1800  
www.pbsj.com

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

**FINAL PLANS**

NOTE: THIS IS A UNIT PRICE PROJECT

ROADWAY PLANS  
ENGINEER OF RECORD:

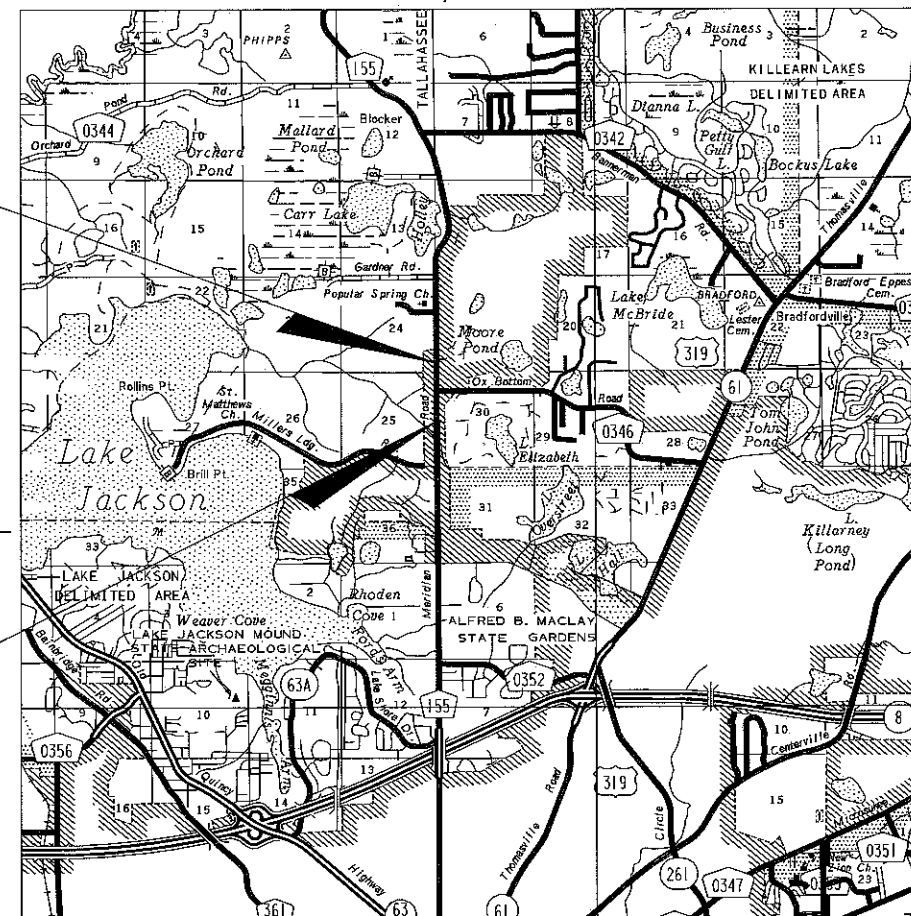
*M. Todd French*  
M. Todd French 4/23/09  
P.E. NO.: 56711

SHEET  
NO.

1

END PROJECT  
STA. 20+40.00

BEGIN PROJECT  
STA. 11+60.00



GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2008, AND  
STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2007, AS  
AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-09

FOR DESIGN STANDARDS MODIFICATIONS CLICK ON  
"DESIGN STANDARDS" AT THE FOLLOWING WEB SITE:  
HTTP://WWW.DOT.STATE.FL.US/RDDDESIGN/

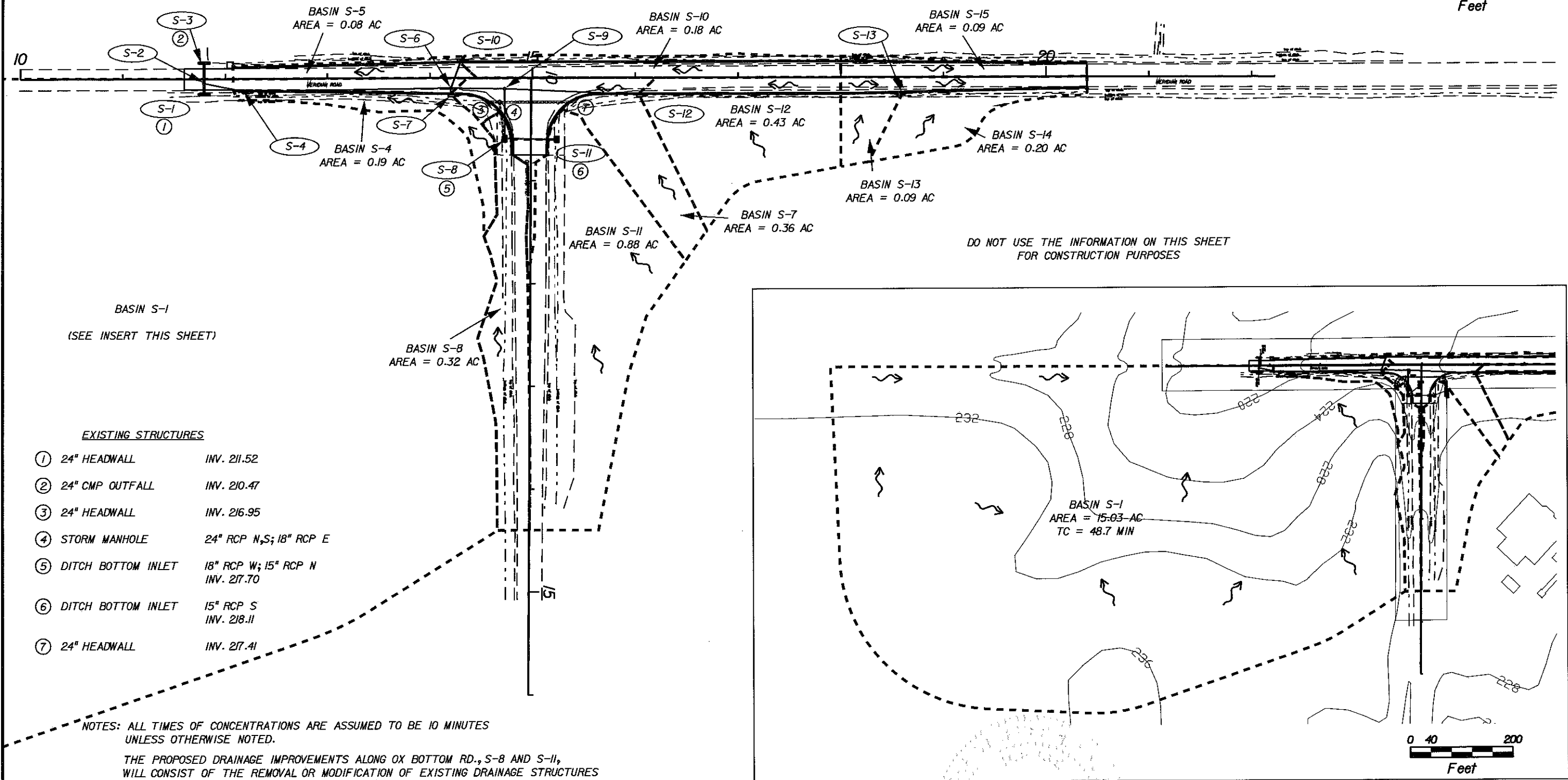
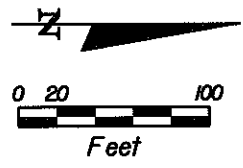
REVISIONS:

PROJECT LENGTH IS BASED ON  $\mathcal{R}$  SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	880	.167
BRIDGES		
NET LENGTH OF PROJECT	880	.167
EXCEPTIONS		
GROSS LENGTH OF PROJECT	880	.167

PROJECT MANAGER:

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION



DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES

BASIN S-1  
(SEE INSERT THIS SHEET)

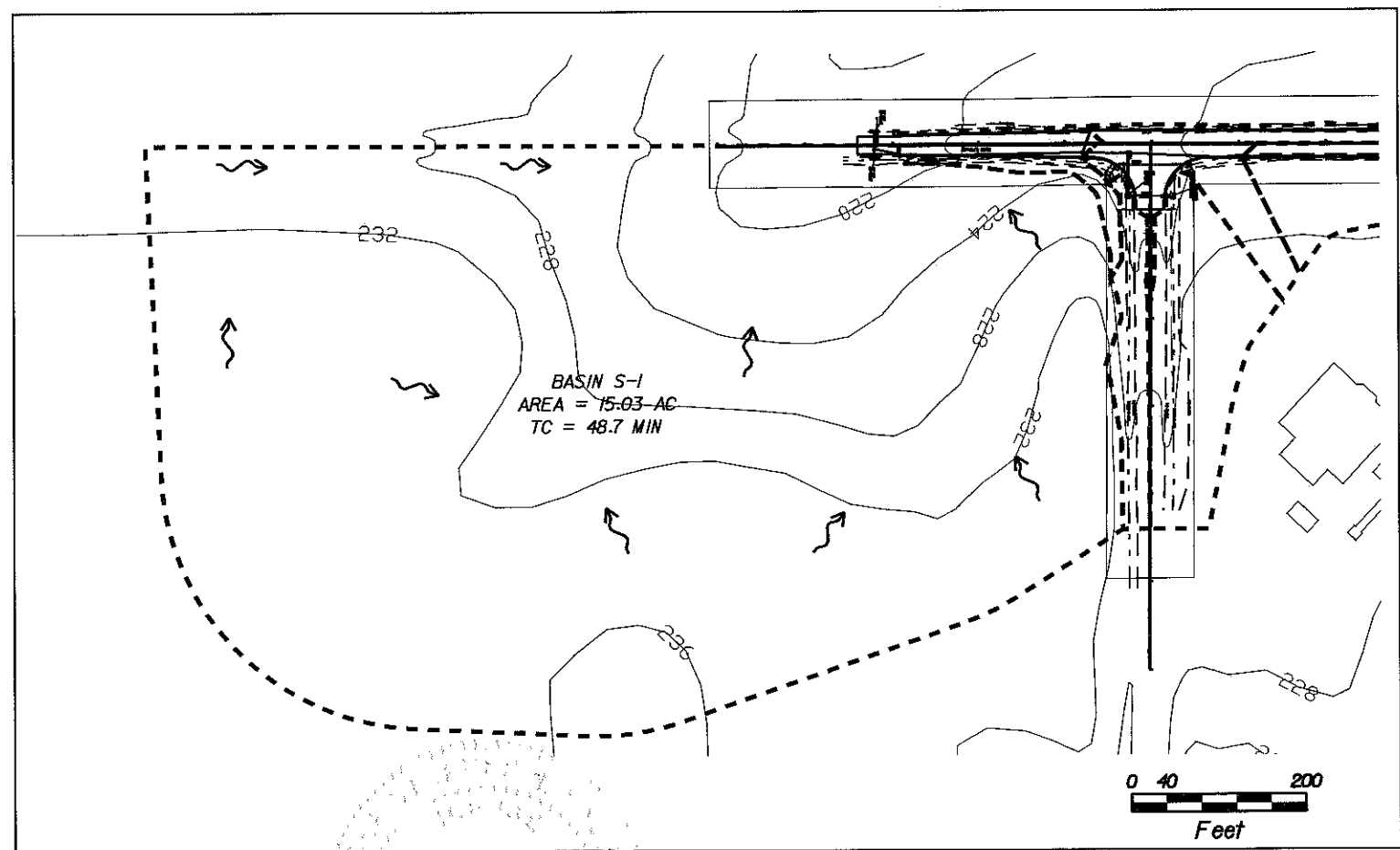
EXISTING STRUCTURES

- ① 24" HEADWALL INV. 211.52
- ② 24" CMP OUTFALL INV. 210.47
- ③ 24" HEADWALL INV. 216.95
- ④ STORM MANHOLE 24" RCP N,S; 18" RCP E
- ⑤ DITCH BOTTOM INLET 18" RCP W; 15" RCP N INV. 217.70
- ⑥ DITCH BOTTOM INLET 15" RCP S INV. 218.11
- ⑦ 24" HEADWALL INV. 217.41

NOTES: ALL TIMES OF CONCENTRATIONS ARE ASSUMED TO BE 10 MINUTES UNLESS OTHERWISE NOTED.

THE PROPOSED DRAINAGE IMPROVEMENTS ALONG OX BOTTOM RD., S-8 AND S-11, WILL CONSIST OF THE REMOVAL OR MODIFICATION OF EXISTING DRAINAGE STRUCTURES IN ORDER TO MINIMIZE IMPACTS TO THE SURROUNDING AREA.

DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES



*Christopher R. Hack*  
4/23/09

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
CHRISTOPHER R. HACK  
P.E. # 37830  
1801 COMMONWEALTH LANE  
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Certificate of Authorization No. 24



LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

**DRAINAGE MAP**

SHEET NO.  
2

**NEW CONSTRUCTION**

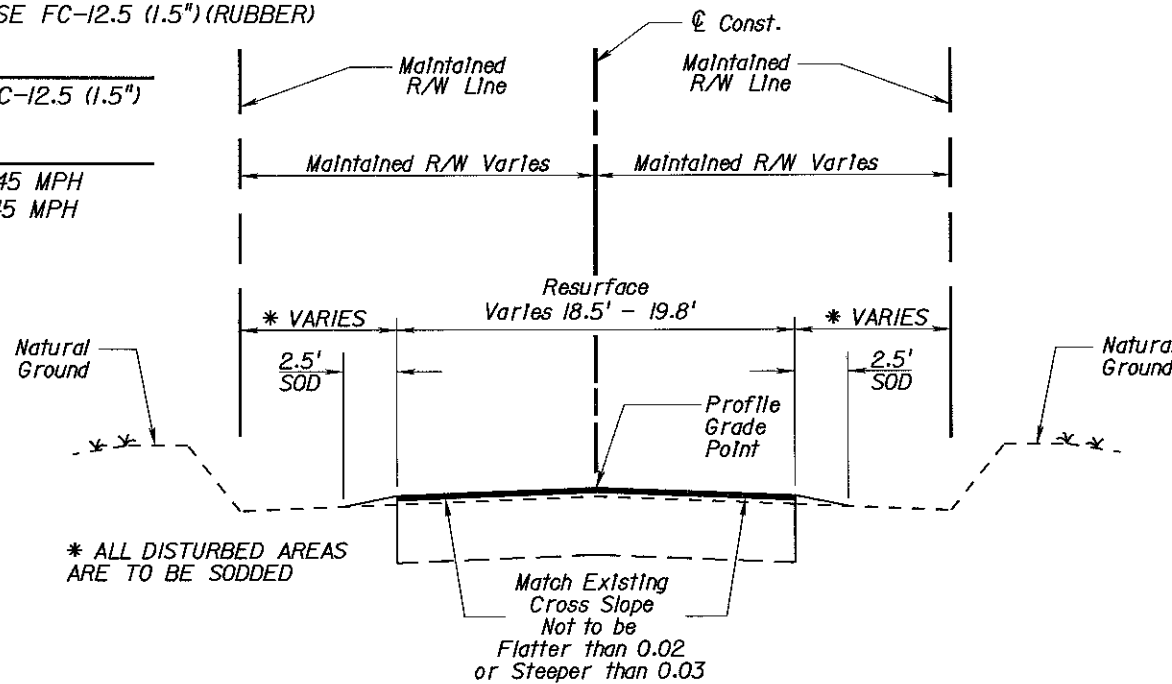
OPTIONAL BASE GROUP 6 (LBR 100) (8") WITH  
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC B) (1.5")  
AND FRICTION COURSE FC-12.5 (1.5") (RUBBER)

**RESURFACING**

FRICTION COURSE FC-12.5 (1.5")

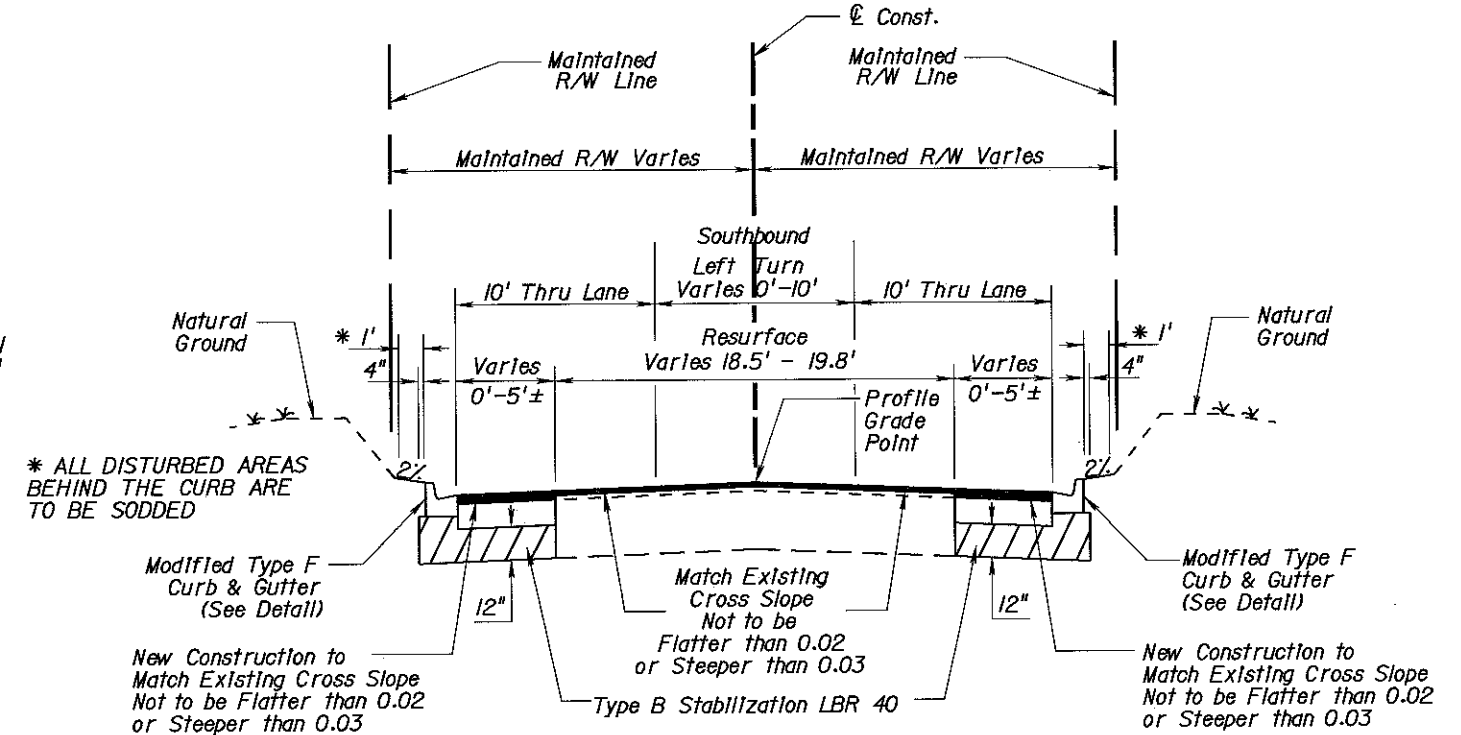
**TRAFFIC DATA**

DESIGN SPEED = 45 MPH  
POSTED SPEED = 45 MPH



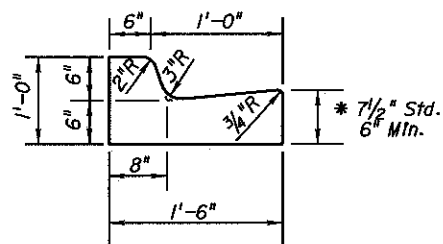
**TYPICAL SECTION NO.1**

STA. 11+60.00 TO STA. 12+07.50



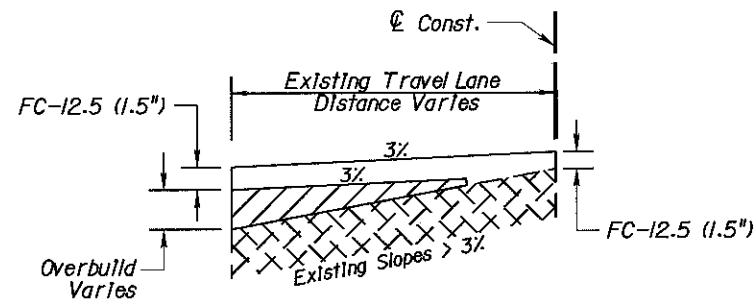
**TYPICAL SECTION NO.2**

STA. 12+07.50 TO STA. 20+40.00



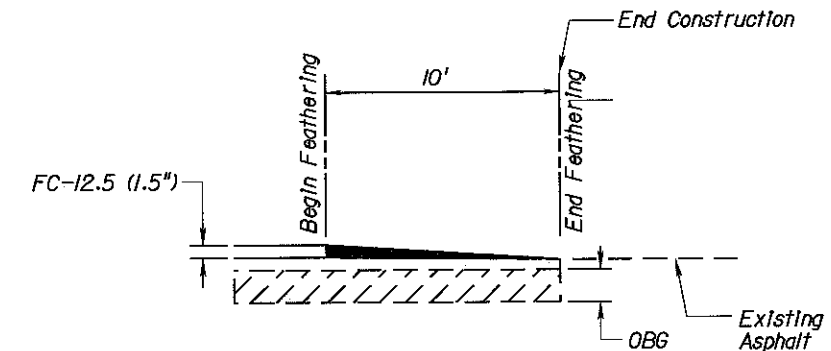
**MODIFIED TYPE F CURB & GUTTER DETAIL**

\* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6" unless otherwise shown on plans.

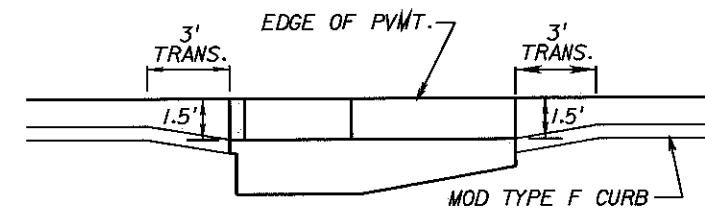


**CROSS SLOPE CORRECTION DETAIL**

Only applies to existing cross slopes greater than 3.0%.



**ASPHALT FEATHERING DETAIL**



**INLET TYPE 5 GUTTER TRANSITION DETAIL**

*M. Todd French*  
4/23/09

REVISIONS						Engineer of Record: <b>PBSJ</b> 2639 N. MONROE ST. BLDG. C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com Certificate of Authorization No. 24		LEON COUNTY CONSTRUCTION PLANS FOR: MERIDIAN TURN LANE	MERIDIAN/OX BOTTOM INTERSECTION TYPICAL SECTION & DETAILS	SHEET NO. 3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					

## SPECIAL TREE PROTECTION REQUIREMENTS:

1. THE PROPOSED DRAINAGE STRUCTURES WILL NOT CAUSE ANY IMPACTS TO THE TREES LOCATED WITHIN THE CPZ.
2. ON THE EAST SIDE OF MERIDIAN ROAD, FROM STA. 12+07.50 TO STA. 14+80.00, SEVERAL TREES HAVE CPZ'S THAT EXTEND INTO THE ROADWAY. HOWEVER, THE PAVEMENT AND CURB ARE PLACED AT THE OUTER EDGE OF THE DITCH WHICH SHOULD PREVENT ANY DAMAGE TO THOSE TREES.
3. ON THE WEST SIDE OF MERIDIAN ROAD, AT STA. 12+07.00, A FLUME WILL IMPACT A 15" WATER OAK. HOWEVER, THIS WILL NOT EXCEED 10% OF THE CPZ OF THIS TREE. SEVERAL OTHER TREES WILL ALSO BE IMPACTED, BUT THESE IMPACTS ARE MINOR AND CAN BE MITIGATED.
4. ON THE WEST SIDE OF MERIDIAN ROAD, AT STA. 15+00.00, AN 18" LIVE OAK IS LOCATED LESS THAN 1' FROM THE CURB. TO AVOID IMPACT, THE CURB AT THIS LOCATION SHALL BE CONSTRUCTED BY HAND FOR 5' ON EITHER SIDE OF THE TRUNK TO AVOID DAMAGING THE ROOTS. AT STA. 18+40.00 A 27" LIVE OAK WILL BE IMPACTED BY THE CONSTRUCTION OF THE CURB. AN AIR SPADE REVEALED NO ROOTS LARGER THAN 2" IN THIS AREA, HOWEVER THE CURB SHALL BE CONSTRUCTED BY HAND FOR 12' BY THIS TREE TO AVOID DAMAGING THE ROOTS. THE REMAINDER OF THE WEST SIDE WILL PRODUCE MINOR IMPACTS ALONG THE PROJECT.
5. THE TRAFFIC SIGNAL MAST ARM FOUNDATION WILL IMPACT 3 SMALL TREES, NONE BEING GREATER THAN 3" IN DIAMETER. THESE TREES ARE SPROUTS, FROM PREVIOUSLY CUT TREES THAT MAY HAVE BEEN REMOVED BECAUSE THEY ARE BELOW ELECTRIC TRANSMISSION LINES. NO OTHER TREES WILL BE IMPACTED BY THE MAST ARM CONSTRUCTION.

## GENERAL MITIGATION REQUIREMENTS:

\* THE FOLLOWING MITIGATION REQUIREMENTS APPLY TO ALL TREES WITHIN THE PROJECT LIMITS, WHICH HAVE A CANOPY PROTECTION ZONE (CPZ) EXTENDING INTO AREAS OF CONSTRUCTION. SUCH AREAS INCLUDE, BUT ARE NOT LIMITED TO CURBS, DRAINAGE STRUCTURES AND ROADWAY PAVEMENT.

### ROOT PRUNING

1. ROOT PRUNING SHALL BE PERFORMED PRIOR TO ANY EXCAVATION WITHIN THE CPZ OF ANY TREE.
2. ALL EXPOSED ROOTS, WHICH HAVE BEEN PRUNED OR CUT SHALL BE COVERED WITH TOPSOIL, MULCH, OR OTHER ORGANIC MEDIUM AS SOON AS POSSIBLE.
3. ROOT PRUNING IS NOT REQUIRED WHERE THE PROPOSED CHANGE IN GRADE CREATES A FILL DEPTH GREATER THAN 14".

### WATERING

1. IMMEDIATELY FOLLOWING ROOT PRUNING, AFFECTED TREES WILL REQUIRE WATERING AT A RATE EQUIVALENT TO 1" OF RAINFALL PER WEEK. SUCH WATERING SHALL CONTINUE THROUGH SUBSTANTIAL COMPLETION OF THE PROJECT.
2. A RAIN GAUGE SHALL BE INSTALLED ON SITE AND MONITORED WEEKLY BY THE SITE SUPERVISOR. WATERING SHALL BE ADJUSTED AS REQUIRED BY WEATHER CONDITIONS.

### LIMB PRUNING

1. ALL TREE LIMB PRUNING SHALL BE CONDUCTED ACCORDING TO AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300. SUCH PRUNING SHALL CONSIST OF THE REMOVAL OF DEAD, DYING, DISEASED INTERFERING (SUBORDINATE LIMBS WHICH MAY RESTRICT GROWTH OF MORE DOMINANT LIMBS), OBJECTIONABLE (INCREASED RISK OF BRANCH AND STEM FAILURE, DEVELOPMENT OF LOW AGGRESSIVE LIMBS, FORMATION OF CODOMINANT STEMS, DEFECTS SUCH AS INCLUDED BARK AND DEAD BRANCHES, OBSTRUCTED VIEWS), AND WEAK BRANCHES ON THE MAIN TRUNK, AS WELL AS THOSE WITHIN THE LEAF AREA. AN OCCASIONAL BRANCH UP TO 2" IN DIAMETER MAY REMAIN WITHIN THE MAIN LEAF AREA WHERE IT IS NOT PRACTICAL TO REMOVE IT.

### FERTILIZATION

1. FERTILIZATION OF ALL TREES SHALL BE DONE BY DRILL HOLE METHOD. A LOW NITROGEN, SLOW RELEASE, GRANULAR FERTILIZER IS TO BE USED AND SHALL BE APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE.
2. FERTILIZATION SHALL BE COMPLETED PRIOR TO INITIALIZATION OF CONSTRUCTION ACTIVITIES.

### TREE BARRICADES

1. TREE PROTECTION BARRICADES OR FENCES SHALL BE INSTALLED ALONG ROOT PRUNING LINES AND ELSEWHERE ALONG THE CPZ LINE WITHIN RIGHT OF WAY PRIOR TO CONSTRUCTION ACTIVITIES TO PREVENT ROOT AND SOIL COMPACTION RESULTING FROM VEHICULAR TRAFFIC, EQUIPMENT STORAGE, OR MATERIAL STOCK PILING.
2. BARRICADE CONSTRUCTION SHALL CONSIST OF HOG WIRE FENCING SUPPORTED BY METAL FENCE POSTS SET AT 10' INTERVALS.
3. TREE BARRICADE LINES SHALL NOT BE CROSSED.

### SUPERVISION AND MONITORING

1. ALL ARBORICULTURAL WORK SHALL BE PERFORMED BY A CERTIFIED ARBORIST.

*M. Todd French*  
4/22/09

Engineer of Record: **M. TODD FRENCH**  
P.E. # 56711  
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Certificate of Authorization No. 24



**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

**MERIDIAN/OX BOTTOM INTERSECTION**  
**MITIGATION NOTES**

SHEET  
NO.  
**4**

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

## GENERAL NOTES:

- PROJECT BENCHMARK: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.
- THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY 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 ADJUSTED BY OTHERS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL UTILITY COORDINATION. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA, INC. (1-800-432-4770, UNIVERSAL NUMBER 811) 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.

AGENCY	CONTACT	TELEPHONE NO.
CITY OF TALLAHASSEE WATER UTILITY	TOMMY CRADY	850-694-8006
LEON COUNTY PUBLIC WORKS	JOE BROWN, P.E.	850-606-1500

- ANY PUBLIC LAND CORNER OR BENCHMARK WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED BY CONTRACTOR. ANY BENCHMARKS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT SHALL REMAIN AND IF DISTURBED BE REPLACED IN KIND UNLESS OTHERWISE SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE CONSTRUCTION EFFORTS WITH OTHER CONTRACTORS THAT HAVE BEEN ISSUED A PERMIT WITHIN THE LIMITS OF THIS PROJECT. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL CONSTRUCTION SCHEDULES. ALL COST INCURRED BY THE CONTRACTOR FOR THE COORDINATION EFFORTS SHALL BE INCIDENTAL TO EXISTING PAY ITEMS.
- THE CONTRACTOR SHALL MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
- THE CONTRACTOR SHALL NOT BRING HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACT WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE ENGINEER AND SUBMIT A MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH MATERIAL PROPOSED FOR USE. THE CONTRACTOR SHALL PROVIDE EACH HAZARDOUS MATERIAL PROPOSED FOR USE. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED A MATERIAL SAFETY DATA SHEET (MSDS) SUBMITTAL.
- THE CONTRACTOR SHALL SUBMIT A POST-CONSTRUCTION CERTIFICATION AND REPRODUCIBLE RECORD DRAWINGS TO THE ENGINEER PRIOR TO INSPECTION AND ACCEPTANCE. THE RECORD DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A PROFESSIONAL LAND SURVEYOR. PRIOR TO ANY CONSTRUCTION ACTIVITIES A PRE-CONSTRUCTION MEETING WILL BE HELD ON-SITE.
- ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER SHALL NOTIFY LEON COUNTY OF THE DISCOVERY. LEON COUNTY WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE ENGINEER. LEON COUNTY WILL ADVISE THE ENGINEER WHEN THE CONTRACTOR SHALL BE ALLOWED TO RETURN.
- ANY REQUIRED TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE BEFORE OPENING LANES TO TRAFFIC.
- ALL AREAS OUTSIDE THE CONSTRUCTION LIMITS CHANGED OR DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENTS AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENTS AS DIRECTED BY THE ENGINEER.
- CONFLICTING OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING OR OTHER METHODS APPROVED BY THE ENGINEER. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE ALTERED SHALL BE REPLACED UPON COMPLETION OF PROJECT.
- ALL EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
- ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- UTILITY AND COUNTY OWNED MANHOLES AND VALVE COVERS SHALL BE RAISED TO THE FINAL GRADE PRIOR TO PLACEMENT OF THE FRICTION COURSE.
- THE CONTRACTOR SHALL COORDINATE WITH THE ARBORIST CONCERNING THE PRUNING OF TREES THAT ENCROACH INTO OR OVER THE TRAVEL LANES AND/OR TREES THAT CONFLICT WITH THE SIGNAL POLE.
- WHEN CONSTRUCTING THE DRAINAGE STRUCTURES AND SIGNAL POLE FOUNDATIONS, SHEET PILE, TRENCH BOX OR BOTH SHALL BE USED AS NEEDED TO AVOID EXCAVATING OR IMPACTING THE BACK SLOPES.
- ALL PROPOSED STORM DRAIN PIPE SHALL BE STEEL REINFORCED CONCRETE PIPE.
- ALL WATER DISTRIBUTION CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF TALLAHASSEE SPECIFICATIONS FOR WATER AND SEWER UTILITIES, DATED JANUARY 2006.
- TREE PROTECTION BARRICADES OR FENCES SHALL 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 STOCKPILING. BARRICADES SHALL BE METAL FENCE POSTS SET AT 10' INTERVALS WITH HOG WIRE FENCING. UNDER NO CIRCUMSTANCES SHALL THIS BARRICADE LINE BE CROSSED. ALL TREE PROTECTION BARRICADE LOCATIONS SHALL BE DETERMINED BY A CERTIFIED ARBORIST.
- ALL ARBORICULTURAL WORK SHALL BE SUPERVISED BY A CERTIFIED ARBORIST.

## MAINTENANCE OF TRAFFIC GENERAL NOTES:

- TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE F.D.O.T. DESIGN STANDARD INDEX NOS. 600, 603, 604, 605, & 606 DEPENDENT UPON THE OPERATION TO BE PERFORMED.
- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE FDOT'S "DESIGN STANDARDS."
- 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.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE PROJECT DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING ALL PHASES OF CONSTRUCTION.
- 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 TIME CONSTRAINTS OUTLINED IN THE STANDARD SPECIFICATIONS UPON NOTIFICATION BY THE ENGINEER TO ANY REQUEST FOR CORRECTION, IMPROVEMENT, OR MODIFICATION TO THE TRAFFIC CONTROL PLAN AND/OR DEVICES.
- 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.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL UNUSED BARRICADES, SIGNS, AND/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.
- EXISTING REGULATORY SPEED OF 35 MPH SHALL BE USED FOR TRAFFIC CONTROL DURING CONSTRUCTION.
- 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 SIGNING IN CONFLICT WITH TRAFFIC CONTROL DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL PROVIDE A SAFE STORAGE OF SIGNING MATERIALS TO BE REINSTALLED (RELOCATED) AT COMPLETION OF PROJECT. SEE THE GENERAL NOTES SHEET CONCERNING STREET NAME SIGNS.
- ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES SHALL BE RESTRICTED TO ONE SIDE OF THE ROAD AT A TIME.
- ANY REQUIRED TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE BEFORE OPENING LANES TO TRAFFIC.
- 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.
- SINGLE LANE CLOSURES WILL BE ALLOWED BETWEEN 9:00 AM AND 4:00 PM. LANE CLOSURES WILL NOT BE ALLOWED DURING SPECIAL EVENTS AND DURING THE HOLIDAY 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 NOVEMBER), CHRISTMAS EVE (DECEMBER 24), CHRISTMAS DAY (DECEMBER 25), NEW YEARS EVE (DECEMBER 31), NEW YEARS DAY (JANUARY 1).

## MAINTENANCE OF TRAFFIC PHASING NOTES:

### PHASE I

- INSTALL WORK ZONE TRAFFIC CONTROL SIGNS PER INDEX NOS. 600, 603, 604, 605, & 606.

### PHASE II

- CONSTRUCT DRAINAGE STRUCTURES AND PIPES, CONSTRUCT WIDENING, AND CONSTRUCT SIGNALS.
- PLACE SUPERPAVE & PLACE FRICTION COURSE.

### PHASE III

- INSTALL FINAL STRIPING, MARKINGS, AND PERMANENT RPMS.
- REMOVE ALL CONSTRUCTION SIGNAGE.

*M. Todd French*  
4/23/09

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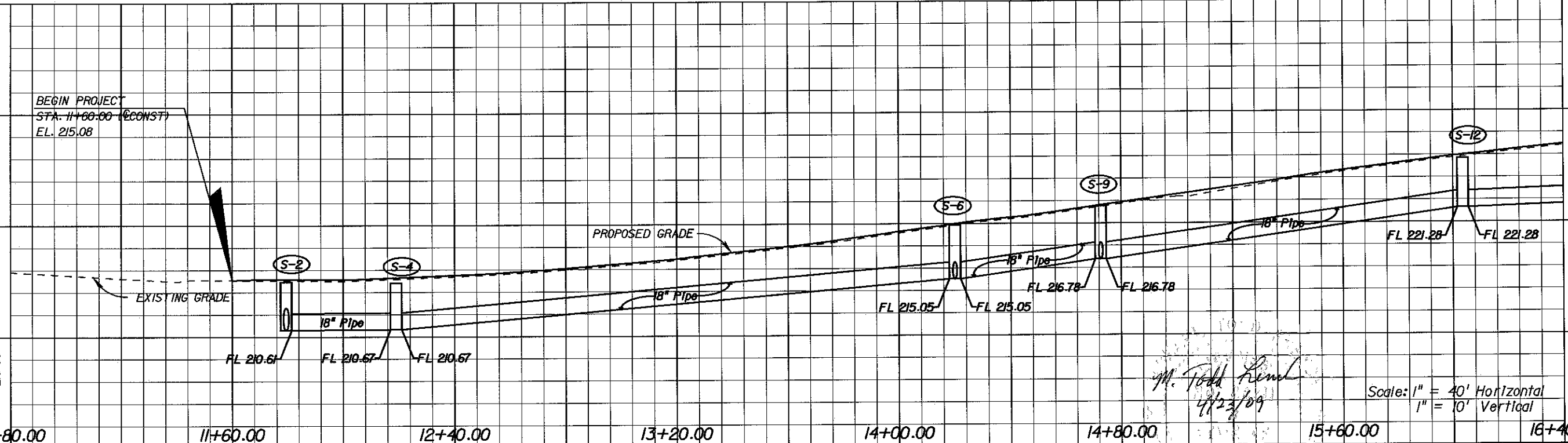
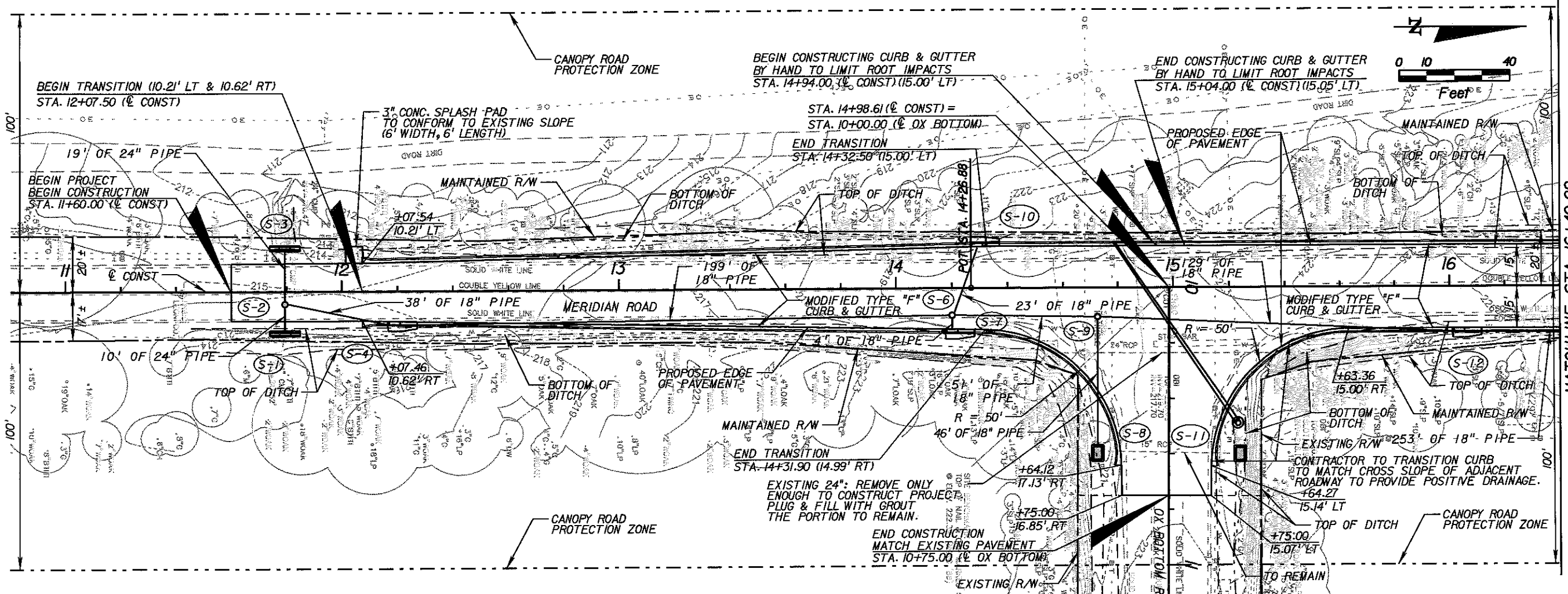
LEON COUNTY

CONSTRUCTION PLANS FOR:

**MERIDIAN/OX BOTTOM INTERSECTION  
TCP & GENERAL NOTES**

SHEET NO.

5



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **M. TODD FRENCH**  
 P.E. # 56711  
**PBS&J**  
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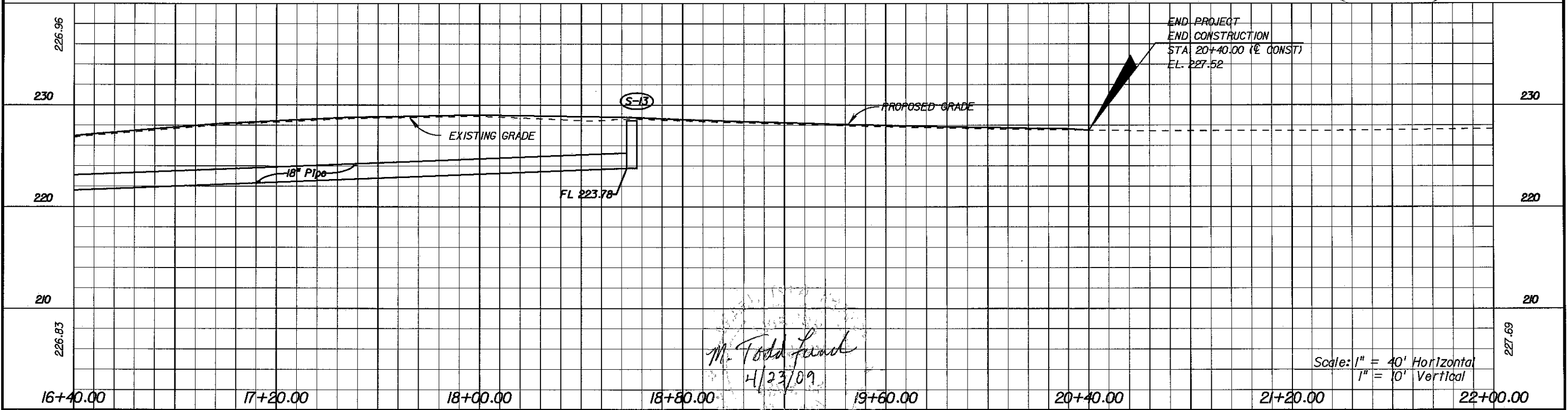
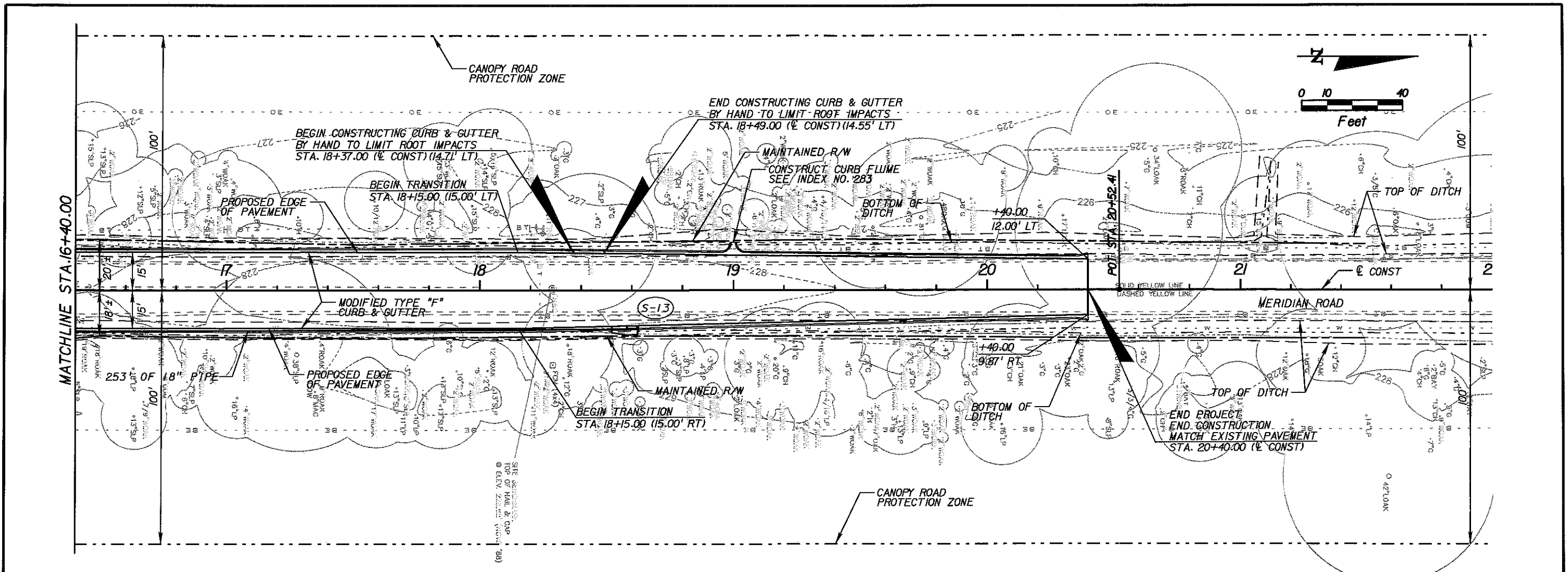


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**MERIDIAN TURN LANE**

**MERIDIAN/OX BOTTOM INTERSECTION**  
**PLAN & PROFILE SHEETS**

SHEET NO.  
**6**

*M. Todd French*  
 4/23/09  
 Scale: 1" = 40' Horizontal  
 1" = 10' Vertical

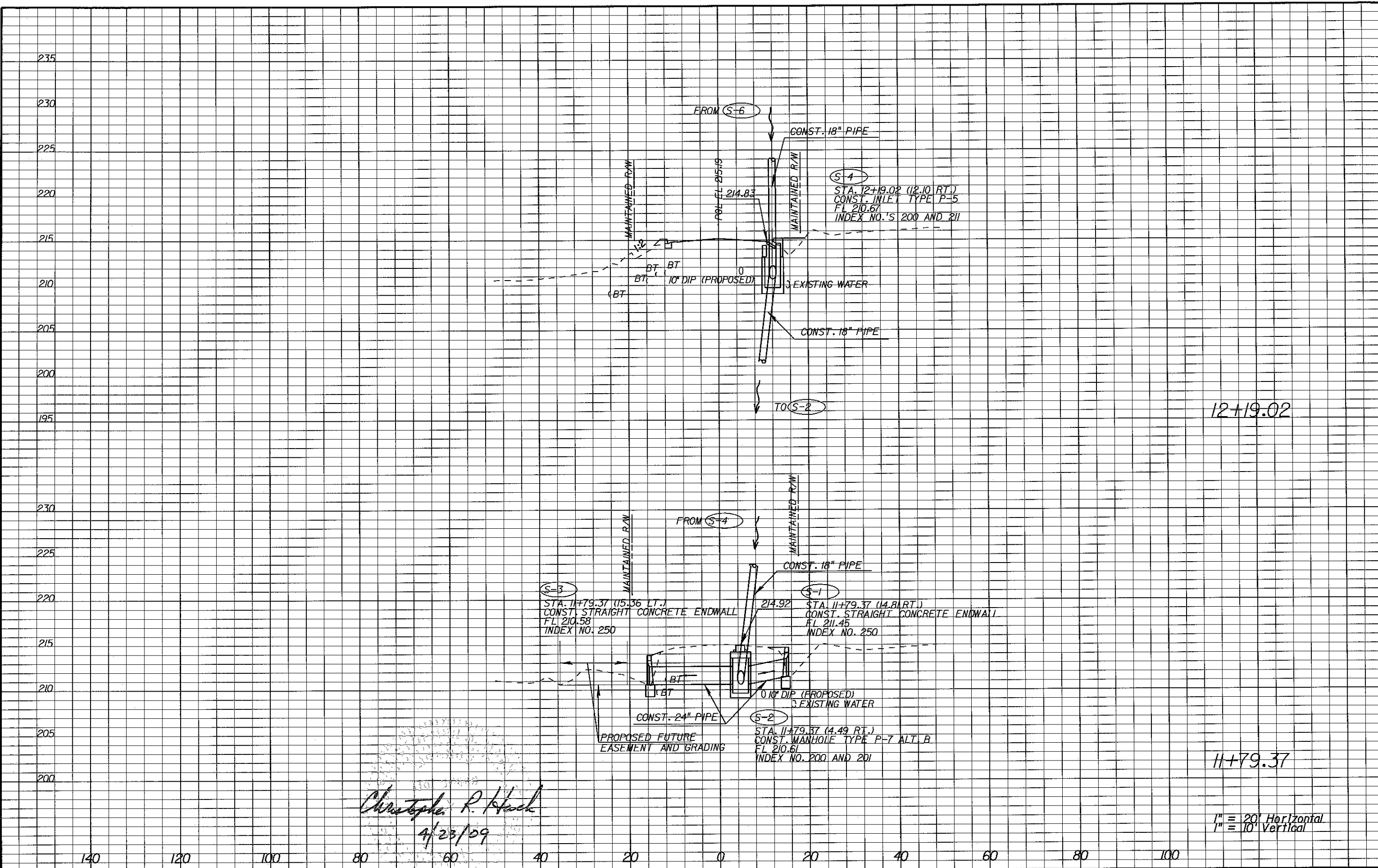


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

*M. Todd French*  
4/23/09

Scale: 1" = 40' Horizontal  
1" = 10' Vertical

<p>Engineer of Record: <b>PBSJ</b> Certificate of Authorization No. 24</p>	<p>M. TODD FRENCH P.E. # 56711 2639 N. MONROE ST. BLDG C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com</p>		<p><b>LEON COUNTY</b> CONSTRUCTION PLANS FOR: MERIDIAN TURN LANE</p>	<p><b>MERIDIAN/OX BOTTOM INTERSECTION</b> <b>PLAN &amp; PROFILE SHEETS</b></p>	<p>SHEET NO. <b>7</b></p>
--	--	--	--	--	-------------------------------



*Christopher R. Hack*  
 4/23/09

12+19.02

11+79.37

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **CHRISTOPHER R. HACK**  
 P.E. # 37830  
**PBSJ**  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com  
 Certificate of Authorization No. 24

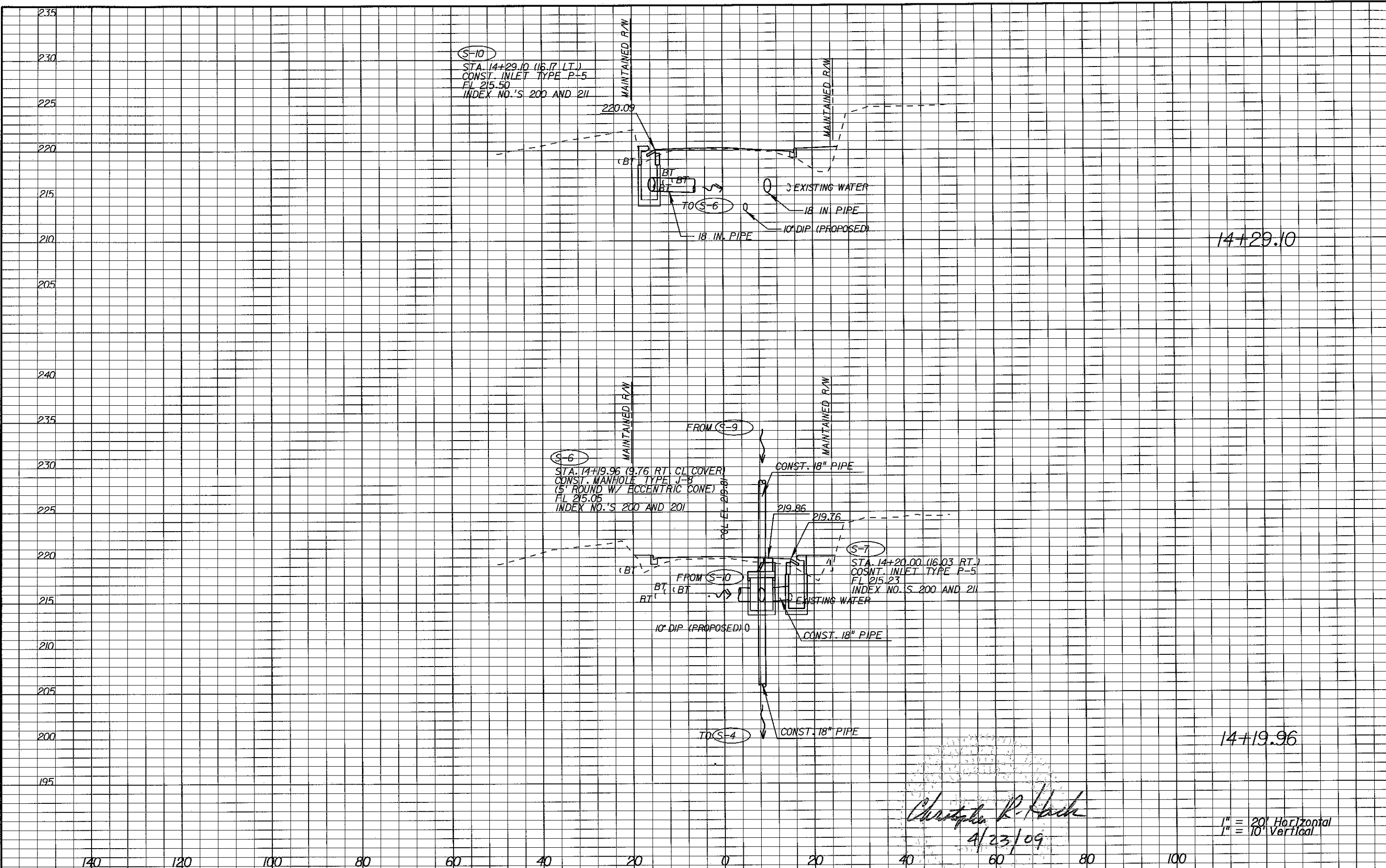


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
**MERIDIAN TURN LANE**

**DRAINAGE STRUCTURES**  
**MERIDIAN ROAD**

SHEET NO.  
**8**





*Christopher R. Hack*  
4/23/09

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: CHRISTOPHER R. HACK  
P.E. # 37830  
**PBS**  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbs.com  
Certificate of Authorization No. 24



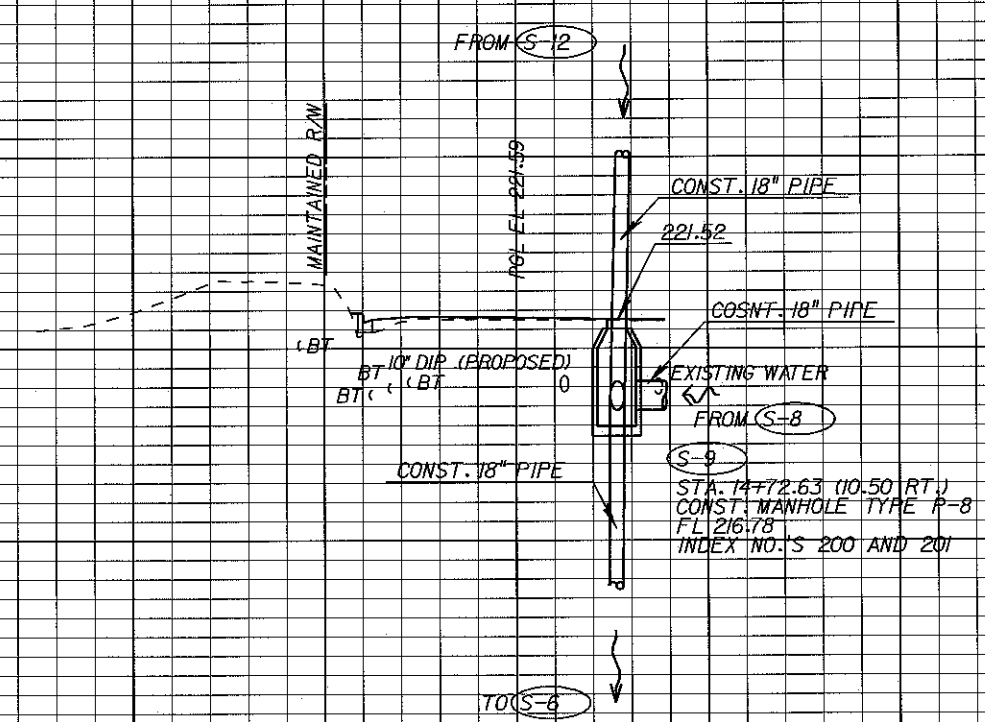
LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

**DRAINAGE STRUCTURES**  
**MERIDIAN ROAD**

SHEET NO.  
9

240  
235  
230  
225  
220  
215  
210  
205  
200

140 120 100 80 60 40 20 0 20 40 60 80 100



14172.63  
*Christopher R. Hack*  
 4/23/09  
 1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: **CHRISTOPHER R. HACK**  
 P.E. # 37830  
**PBSJ**  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
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 www.pbsj.com  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN TURN LANE

**DRAINAGE STRUCTURES**  
**MERIDIAN ROAD**

SHEET NO.  
 10



*Christopher R. Hack*  
4/23/09

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: CHRISTOPHER R. HACK  
P.E. # 37830  
**PBS&J**  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
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Certificate of Authorization No. 24

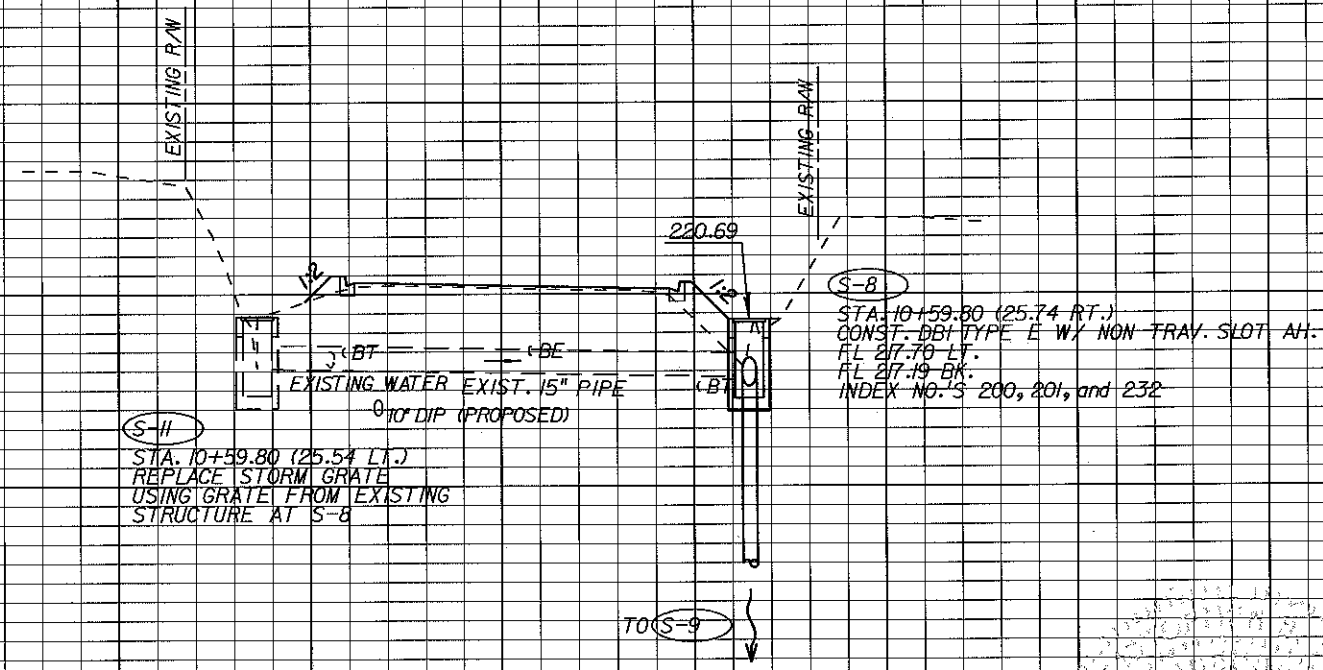


LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

**DRAINAGE STRUCTURES**  
**MERIDIAN ROAD**

SHEET NO.  
11

230  
228  
226  
224  
222  
220  
218  
216  
214  
212  
210  
208  
206  
204  
202



S-11  
STA. 10+59.80 (25.54 LT.)  
REPLACE STORM GRATE  
USING GRATE FROM EXISTING  
STRUCTURE AT S-8

S-8  
STA. 10+59.80 (25.74 RT.)  
CONST. DBI TYPE E W/ NON TRAV. SLOT AH.  
FL 27.70 LT.  
FL 27.19 BK.  
INDEX NO.'S 200, 201, and 232

TO S-9

10+59.80

*Christopher R. Hack*  
4/23/09

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: CHRISTOPHER R. HACK  
P.E. # 37830  
**PBSJ**  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com  
Certificate of Authorization No. 24

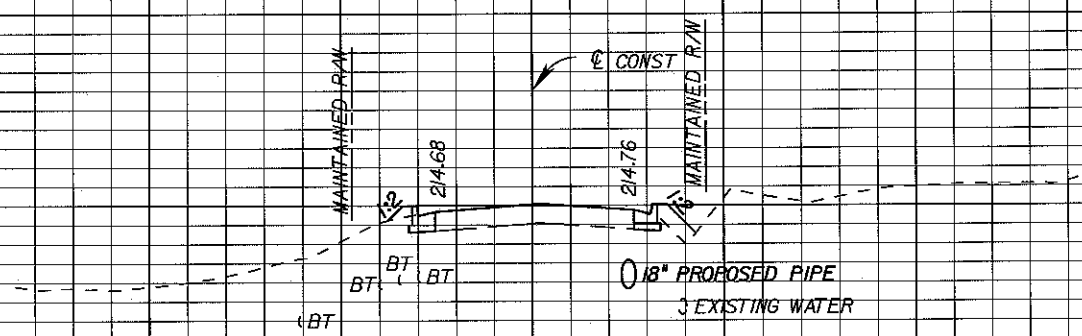


LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

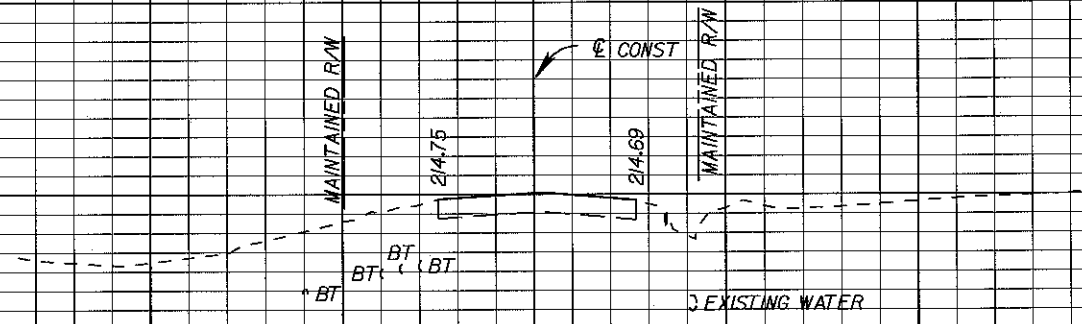
**DRAINAGE STRUCTURES**  
**OX BOTTOM ROAD**

SHEET NO.  
12

225  
220  
215  
210  
205  
225  
220  
215  
210  
205



12+07.50



BEGIN PROJECT  
BEGIN CONSTRUCTION  
STA. 11+60.00

*M. Todd French*  
4/23/09

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
Certificate of Authorization No. 24

M. TODD FRENCH  
P.E. # 56711  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
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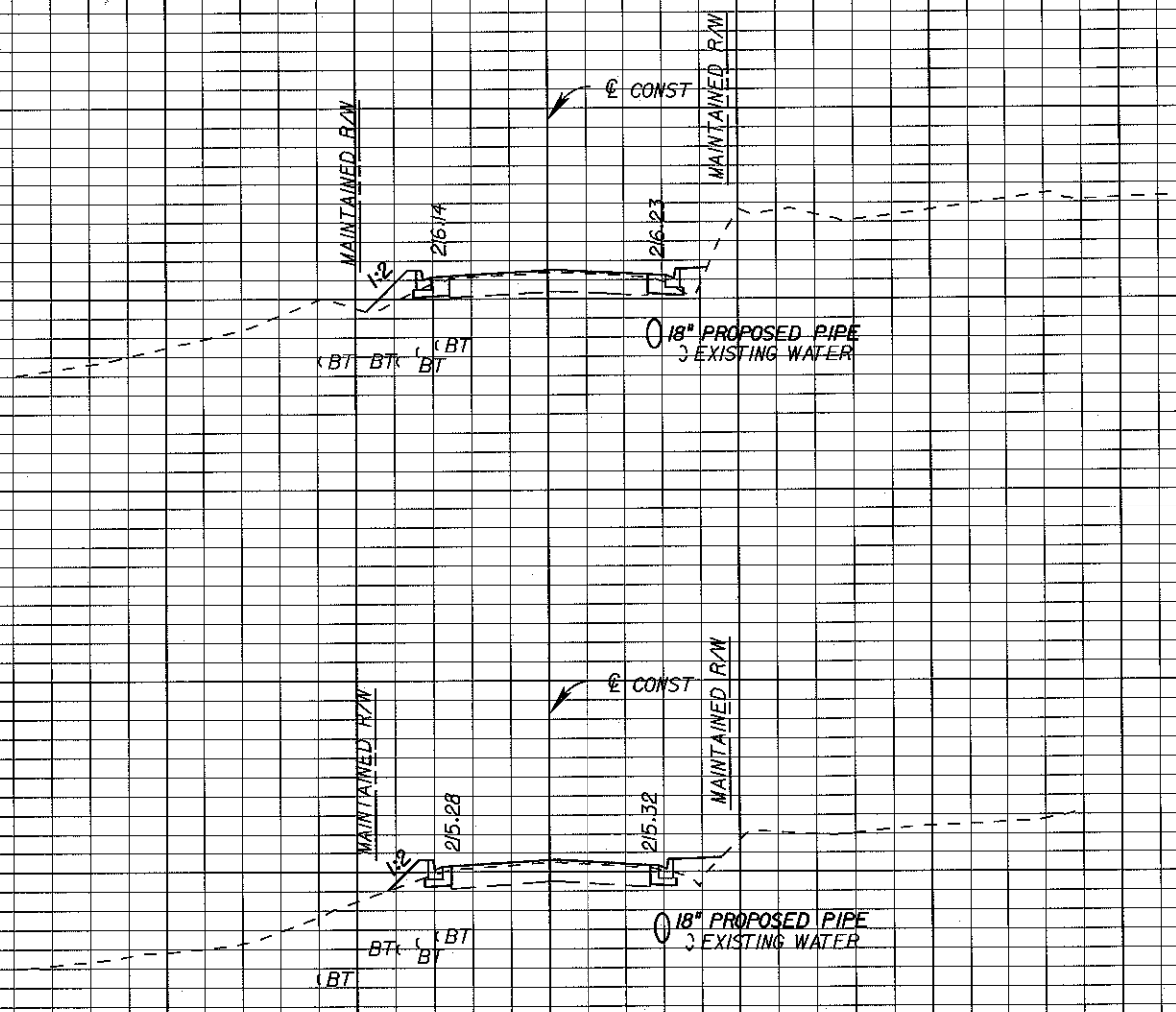


LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

**MERIDIAN ROAD  
CROSS SECTIONS**

SHEET NO.  
13

230  
225  
220  
215  
210  
230  
225  
220  
215  
210  
205



13+00.00

12+50.00

*M. Todd French*  
4/23/09  
1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

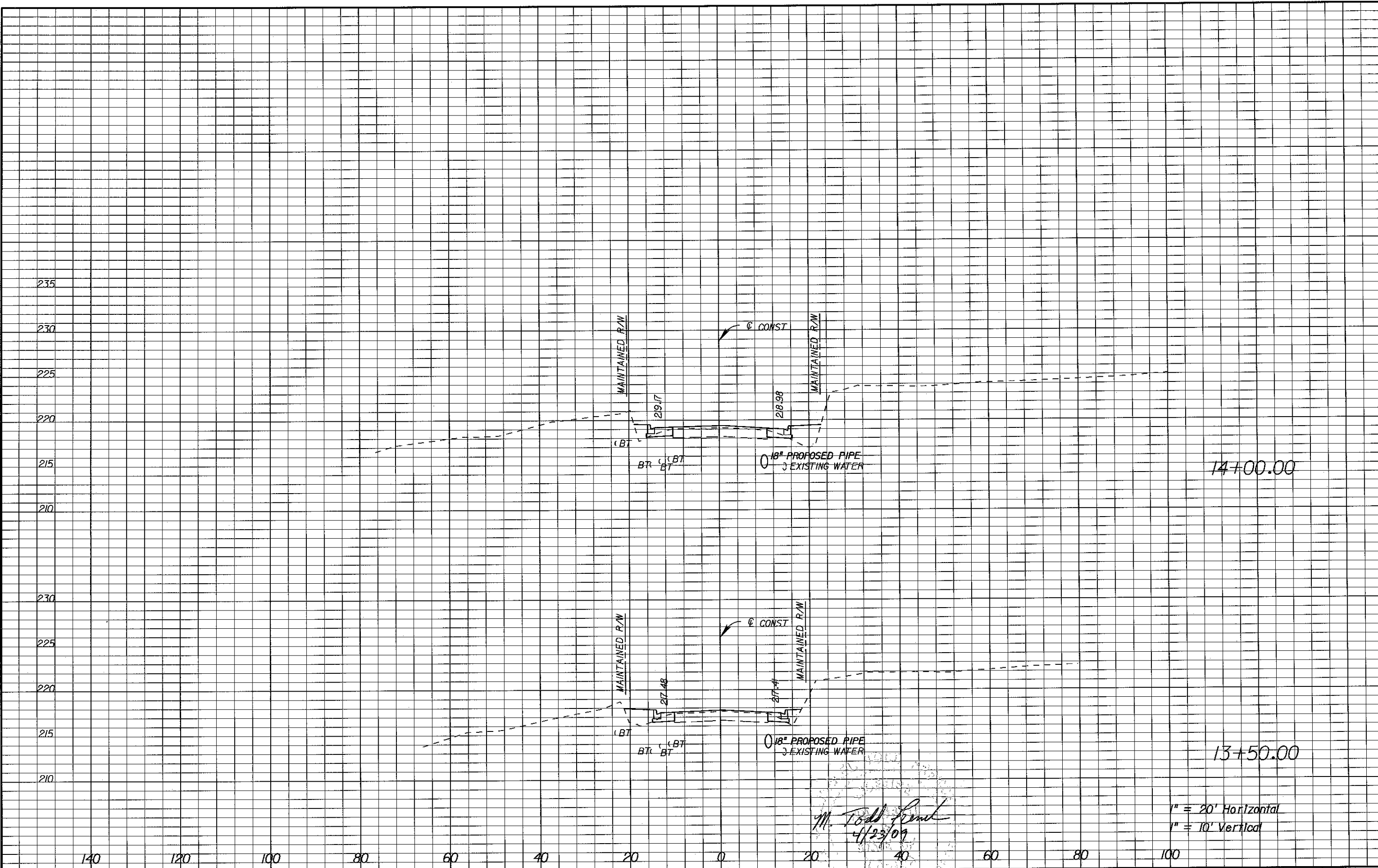
Engineer of Record:  
**PBSJ**  
M. TODD FRENCH  
P.E. # 56711  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
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www.pbsj.com  
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LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

MERIDIAN ROAD  
CROSS SECTIONS

SHEET NO.  
14



1" = 20' Horizontal  
1" = 10' Vertical

*M. Todd French*  
4/23/09

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

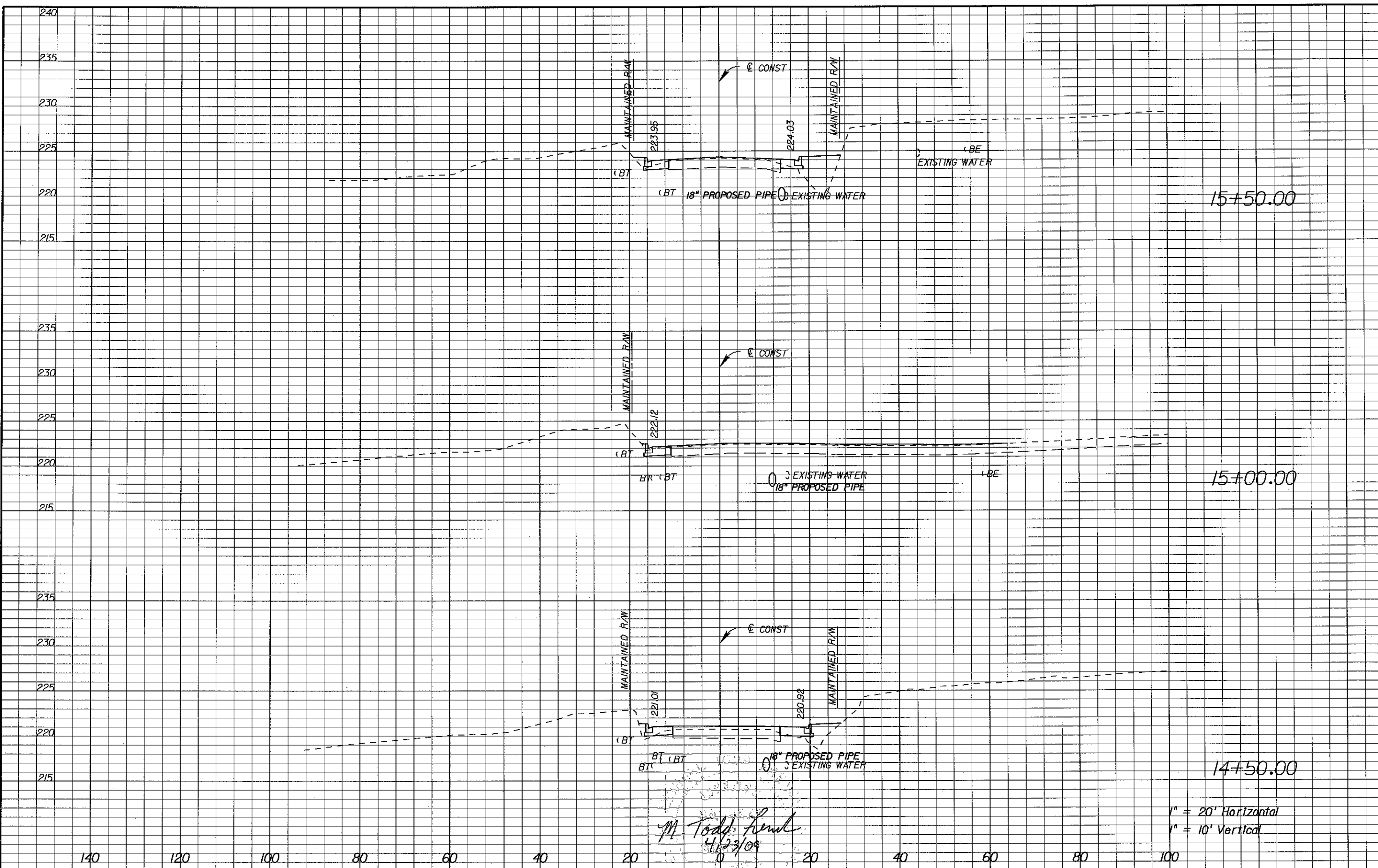
Engineer of Record:  
**PBSJ**  
 M. TODD FRENCH  
 P.E. # 56711  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com  
 Certificate of Authorization No. 24



LEON COUNTY  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN TURN LANE

**MERIDIAN ROAD  
 CROSS SECTIONS**

SHEET NO.  
 15



1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
 Certificate of Authorization No. 24

M. TODD FRENCH  
 P.E. # 56711  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com

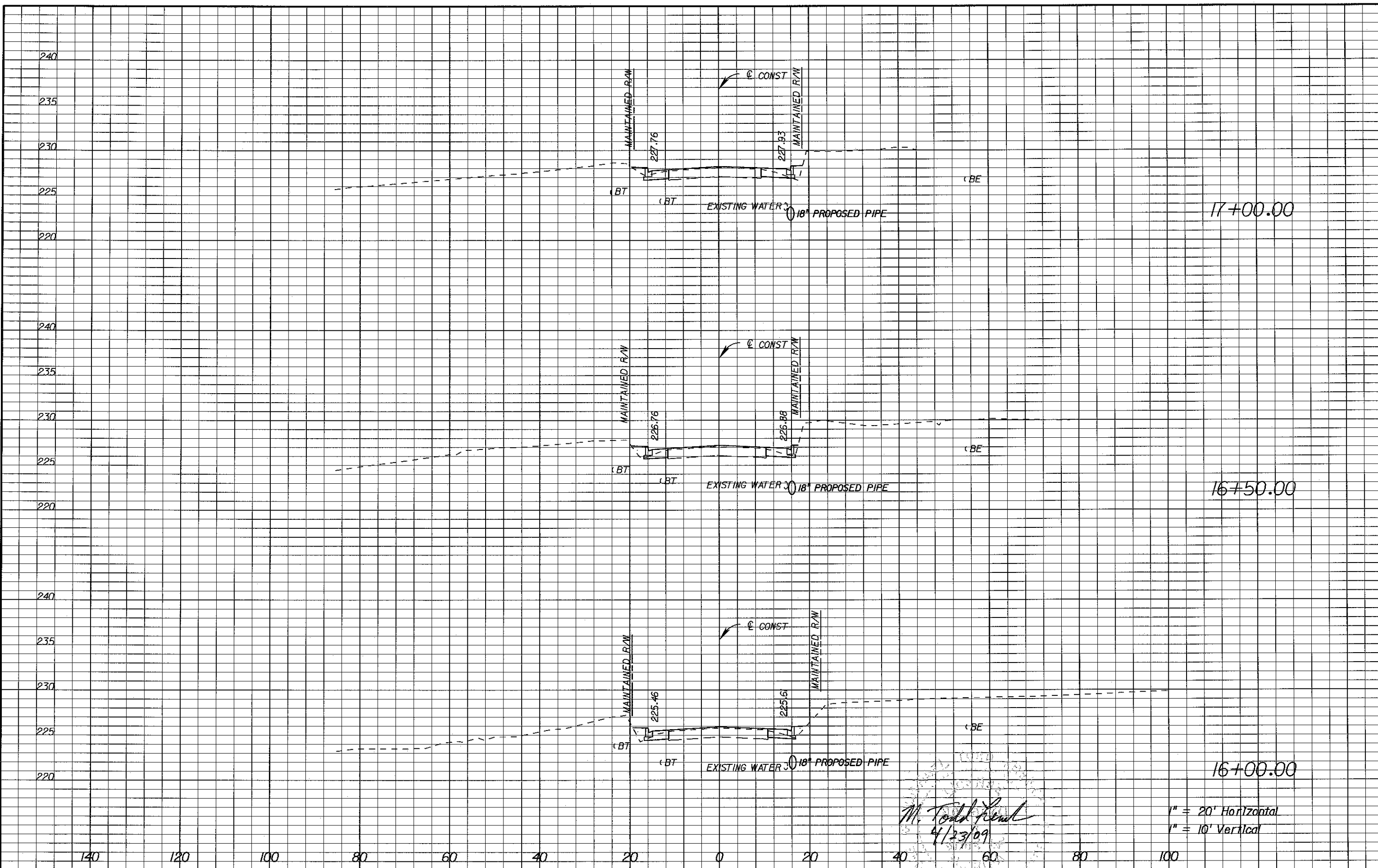


**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN TURN LANE

**MERIDIAN ROAD  
 CROSS SECTIONS**

SHEET NO.  
 16





*M. Todd French*  
4/23/09

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
 Certificate of Authorization No. 24

M. TODD FRENCH  
 P.E. # 56711  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com

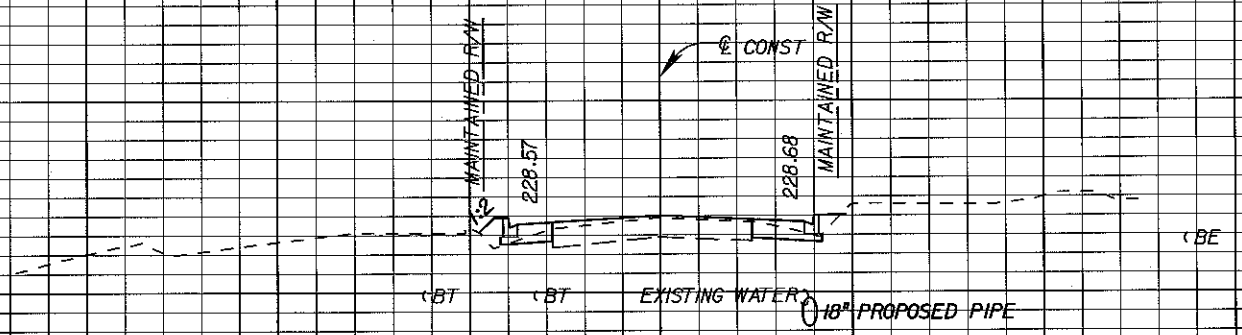


LEON COUNTY  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN TURN LANE

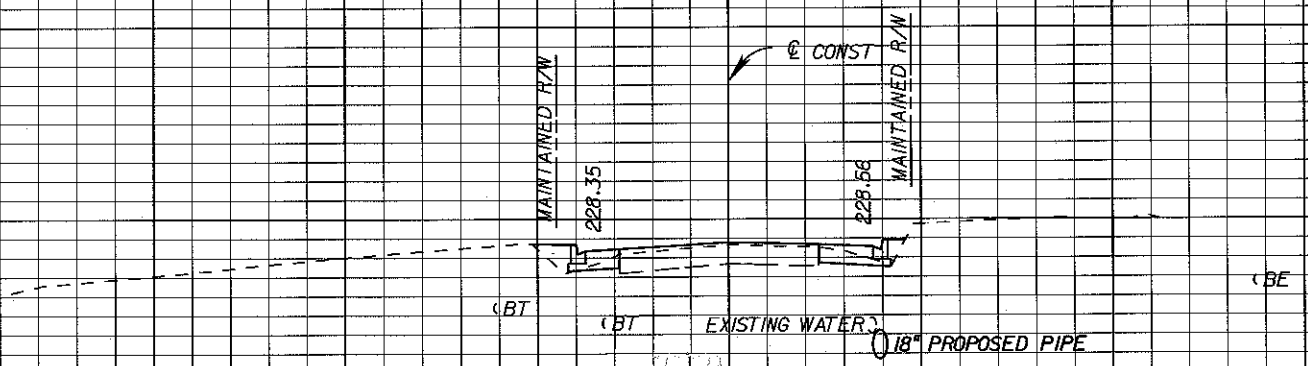
**MERIDIAN ROAD  
 CROSS SECTIONS**

SHEET NO.  
 17

240  
235  
230  
225  
220  
  
245  
240  
235  
230  
225  
220



18+00.00



17+50.00

M. Todd French  
4/23/09

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

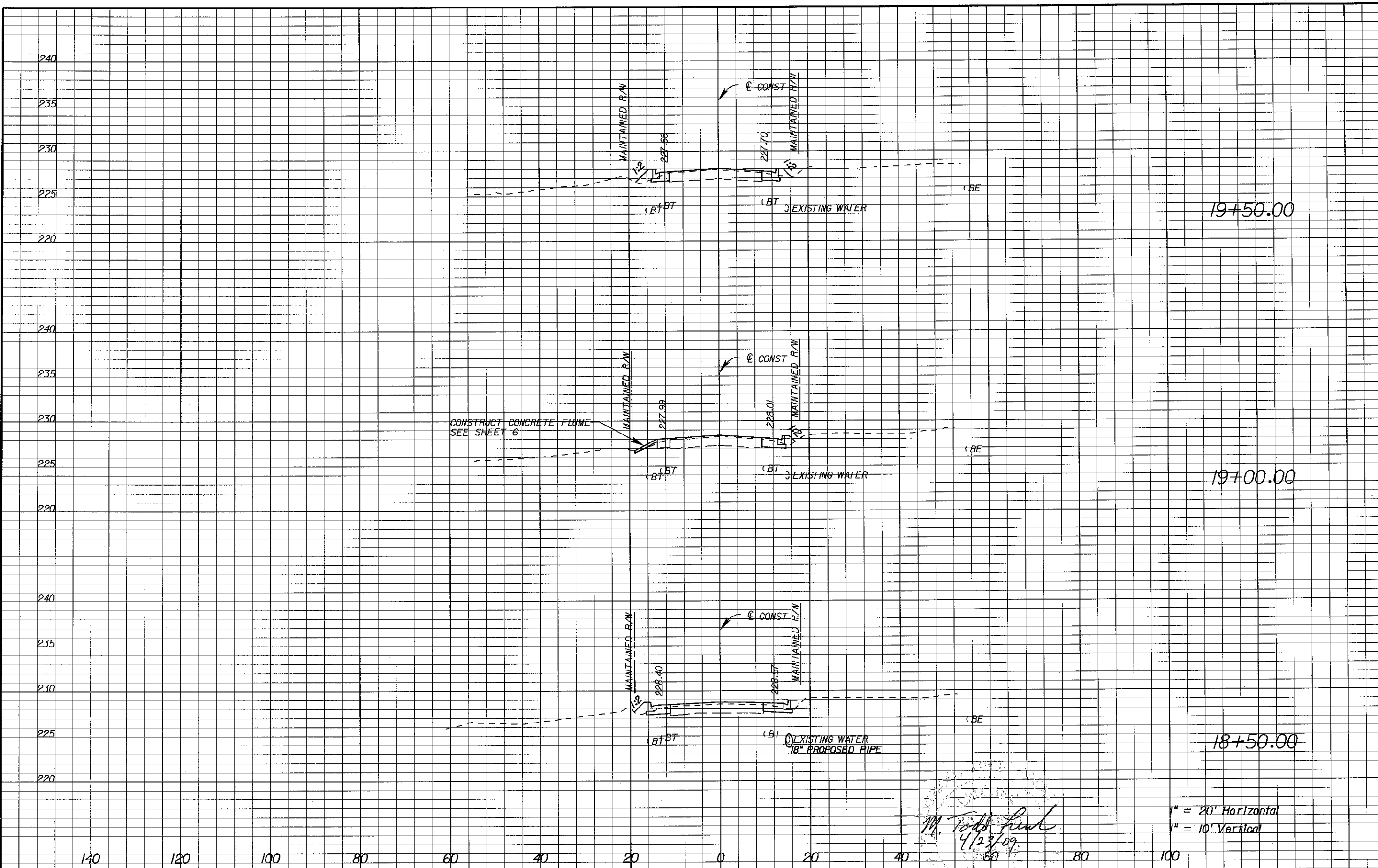
Engineer of Record: M. TODD FRENCH  
P.E. # 56711  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com  
Certificate of Authorization No. 24



LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

MERIDIAN ROAD  
CROSS SECTIONS

SHEET NO.  
18



*M. Todd French*  
4/23/09

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
M. TODD FRENCH  
P.E. # 56711  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com  
Certificate of Authorization No. 24

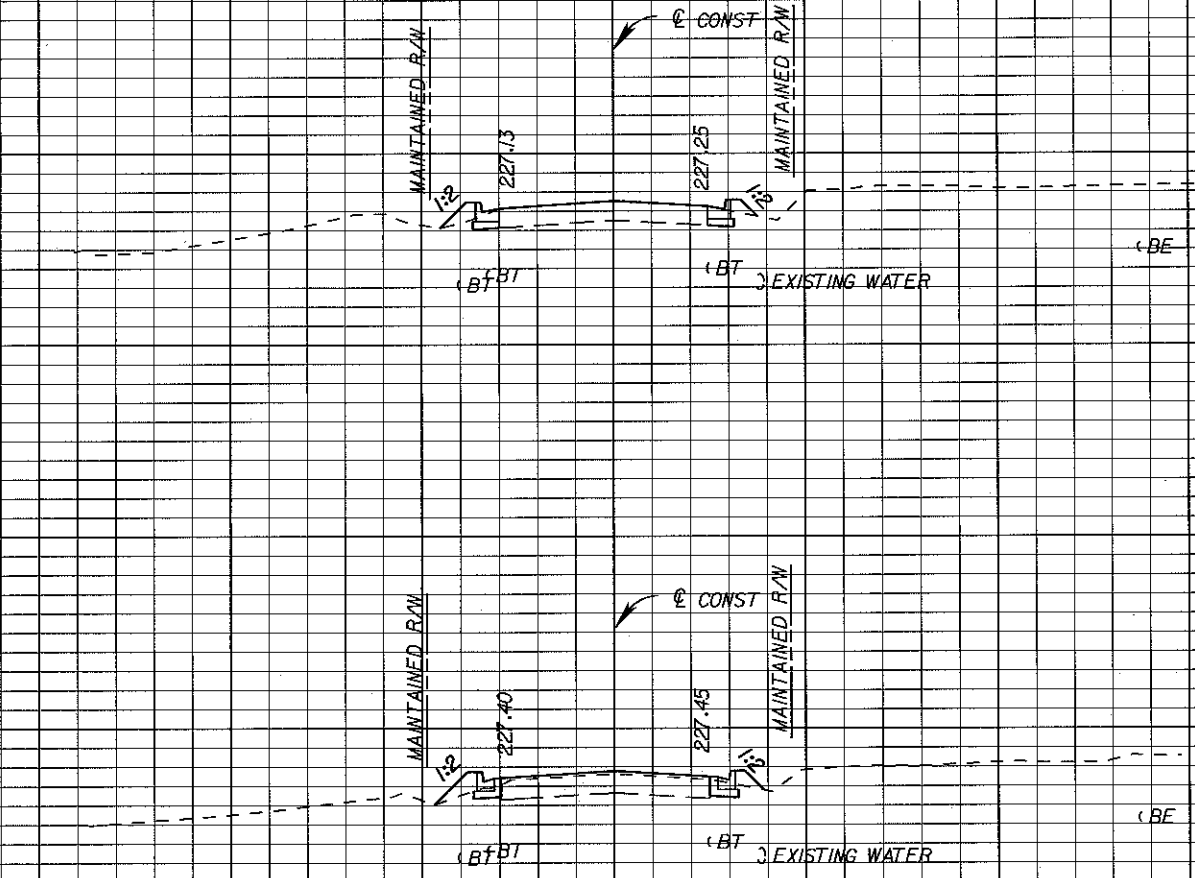


**LEON COUNTY**  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

**MERIDIAN ROAD  
CROSS SECTIONS**

SHEET NO.  
19

240  
235  
230  
225  
220  
  
240  
235  
230  
225  
220



END PROJECT  
END CONSTRUCTION  
STA. 20+40.00

20+00.00

*M. Todd French*  
4/23/09  
1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
Certificate of Authorization No. 24

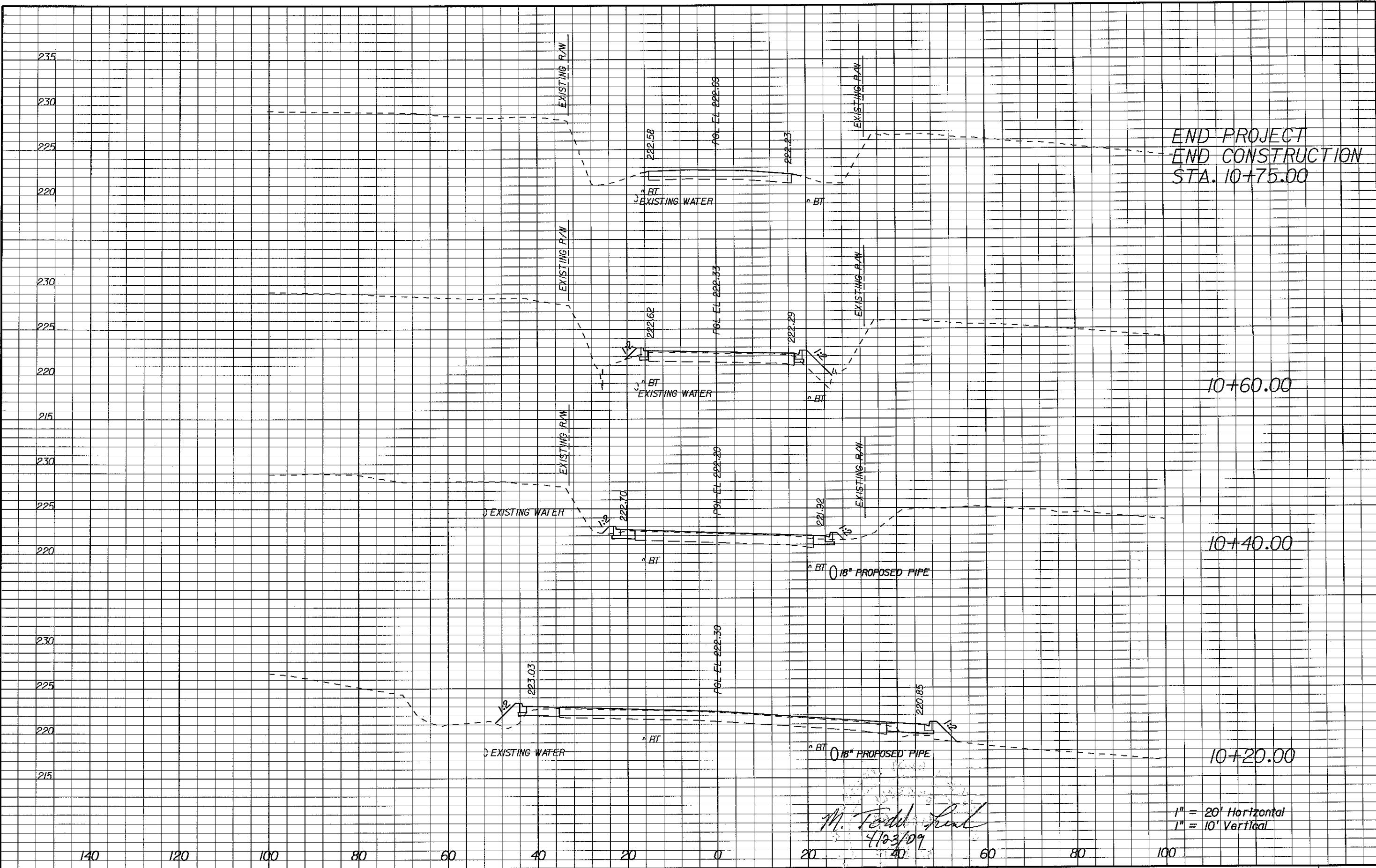
M. TODD FRENCH  
P.E. # 56711  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
(850) 575-1800  
www.pbsj.com



LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

**MERIDIAN ROAD  
CROSS SECTIONS**

SHEET NO.  
20



END PROJECT  
 END CONSTRUCTION  
 STA. 10+75.00

10+60.00

10+40.00

10+20.00

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
 M. TODD FRENCH  
 P.E. # 56711  
 2639 N. MONROE ST. BLDG C  
 TALLAHASSEE, FL 32303  
 (850) 575-1800  
 www.pbsj.com  
 Certificate of Authorization No. 24



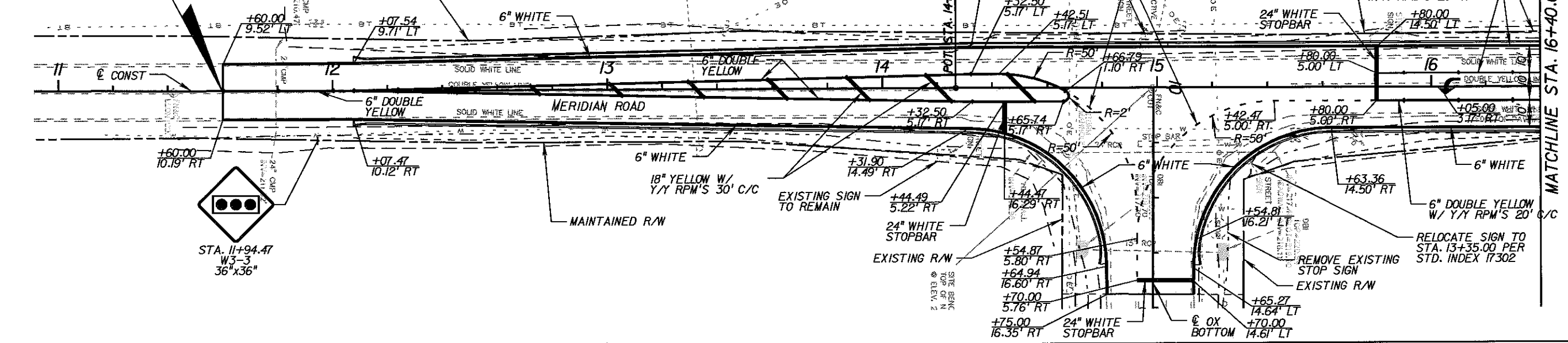
**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN TURN LANE

**OX BOTTOM ROAD**  
**CROSS SECTIONS**

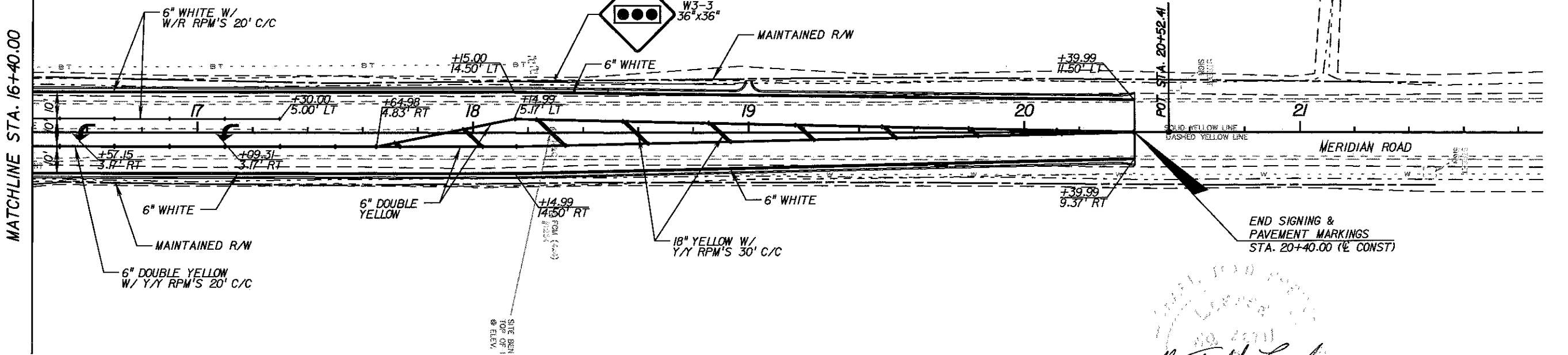
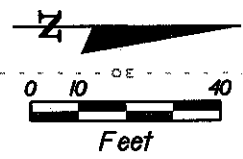
SHEET  
 NO.  
 21



BEGIN SIGNING & PAVEMENT MARKINGS  
STA. 11+60.00 (± CONST)



MATCHLINE STA. 16+40.00



END SIGNING & PAVEMENT MARKINGS  
STA. 20+40.00 (± CONST)

*M. Todd French*  
4/23/09

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
 M. TODD FRENCH  
 P.E. # 56711  
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 TALLAHASSEE, FL 32303  
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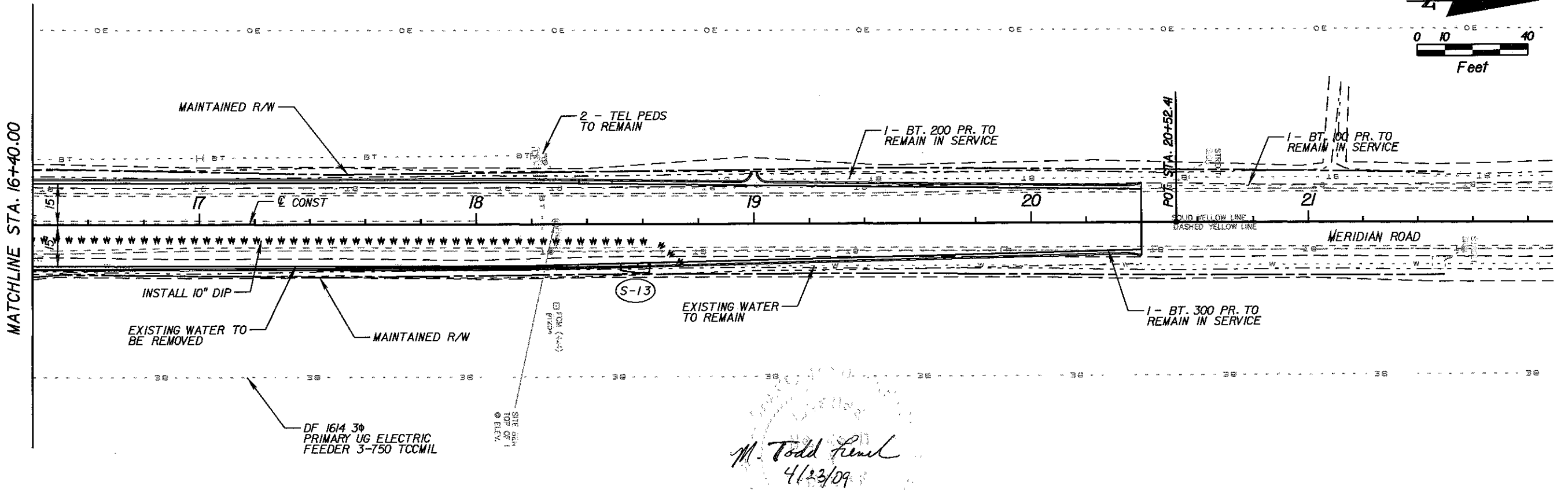
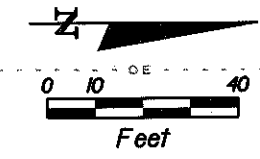
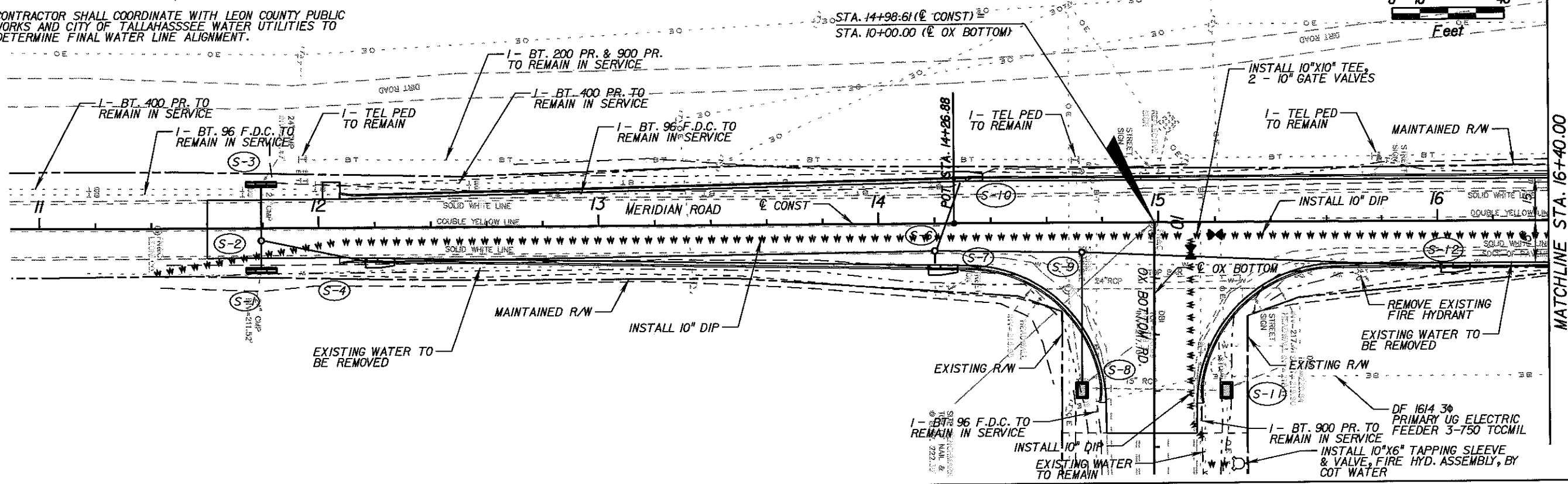
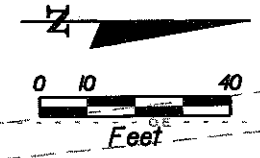
LEON COUNTY  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN TURN LANE

**MERIDIAN/OX BOTTOM INTERSECTION  
 SIGNING & PAVEMENT MARKINGS**

SHEET NO.  
 22

NOTES:

1. ALL EXISTING BT. & TEL PEDS - TO REMAIN IN PLACE IN SERVICE - LOCATE & PROTECT, ADJUST AS REQUIRED
2. CONTRACTOR SHALL COORDINATE WITH LEON COUNTY PUBLIC WORKS AND CITY OF TALLAHASSEE WATER UTILITIES TO DETERMINE FINAL WATER LINE ALIGNMENT.



*M. Todd French*  
4/23/09

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record:  
**PBSJ**  
M. TODD FRENCH  
P.E. # 56711  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
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LEON COUNTY  
CONSTRUCTION PLANS FOR:  
MERIDIAN TURN LANE

MERIDIAN/OX BOTTOM INTERSECTION  
UTILITY PLAN

SHEET NO.  
23

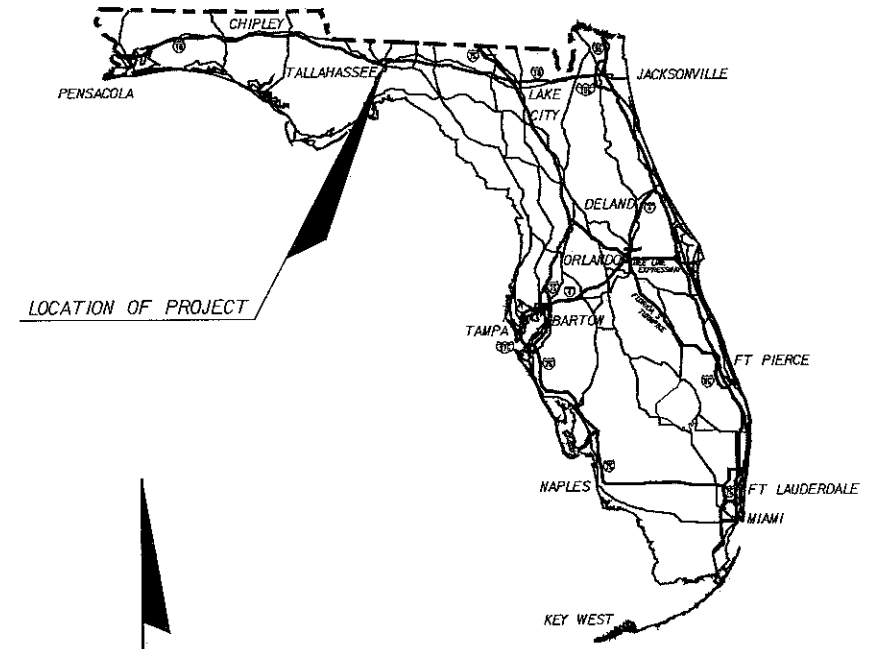


## SIGNALIZATION PLANS LEON COUNTY

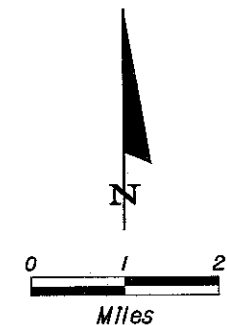
A DETAILED INDEX APPEARS ON THE  
KEY SHEET OF EACH COMPONENT

### INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2	TABULATION OF QUANTITIES
T-3	SIGNALIZATION GENERAL NOTES
T-4	SIGNALIZATION PLAN
T-5	MAST ARM TABULATION
T-6	TABLE OF VARIABLES FOR STANDARD MAST ARM ASSEMBLIES INDEX NO. S-1700
T-7	GUIDE SIGN WORKSHEET



LOCATION OF PROJECT



ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:

Sean E. Doherty, P.E.  
2639 N. Monroe St. Bldg C  
Tallahassee, FL 32303

PLANS PREPARED BY:



2639 N. Monroe St. Bldg C  
Tallahassee, FL 32303  
(850) 575-1800  
www.pbsj.com

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

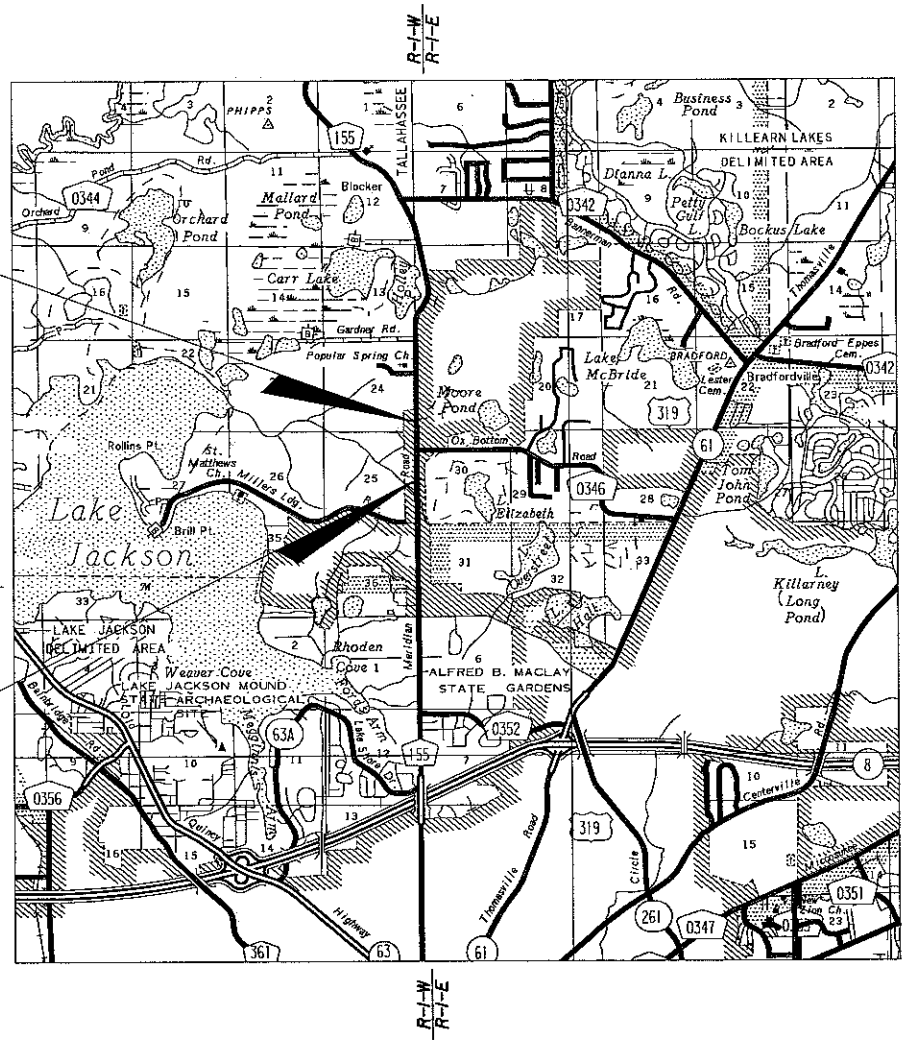
FINAL PLANS

NOTE: THIS IS A UNIT PRICE PROJECT

*Sean E. Doherty*  
4-22-09

ROADWAY PLANS  
ENGINEER OF RECORD: Sean E. Doherty

P.E. NO. 48100



END PROJECT  
STA. 20+40.00

BEGIN PROJECT  
STA. 11+60.00

PROJECT LENGTH IS BASED ON SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	880	.167
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	880	.167
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	880	.167

PROJECT MANAGER:

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

REVISIONS:


SHEET  
NO.  
  
T-1



# TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET		REF. SHEET
			T-4																PLAN	FINAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
630-1-12	CONDUIT, UNDERGROUND	LF	815																	815	
630-1-14	UNDERGROUND CONDUIT - JACKED	LF	115																	115	
632-7-1	SIGNAL CABLE	PI	1																	1	
635-1-11	PULL & JUNCTION BOXES	EA	13																	13	
639-1-22	ELECTRICAL POWER SERVICE, UNDERGROUND	AS	1																	1	
639-2-1	ELECTRICAL SERVICE WIRE	LF	150																	150	
649-31-314	MAST ARM ASSEMBLY, ARM 1 TYPE F4, ARM 2 TYPE F4 POLE TYPE W3	EA	1																	1	
650-51-311	TRAFFIC SIGNAL, 12" LED, 1 WAY, 3 SECTION	AS	5																	5	
650-51-511	TRAFFIC SIGNAL, 12" LED, 1 WAY, 5 SECTION	AS	1																	1	
659-101	BACK PLATE (3-SECTION SIGNAL HEAD)	EA	2																	2	
659-109	CONCRETE PEDESTAL	EA	1																	1	
660-1-109	INDUCTIVE LOOP DETECTOR (F&I) (TYPE 9)	EA	3																	3	
660-1-110	INDUCTIVE LOOP DETECTOR (F&I) (TYPE 10)	EA	1																	1	
660-2-102	LOOP ASSEMBLY (TYPE B)	AS	4																	4	
660-2-106	LOOP ASSEMBLY (TYPE F)	AS	3																	3	
663-74-11	OPTICOM PRE-EMPTION SYSTEM	EA	1																	1	
670-5-120	TRAFFIC CONTROLLER ASSEMBLY (F&I) TYPE 170	AS	1																	1	
700-48-18	STREET NAME SIGN PANEL	EA	3																	3	


*Sean E. Doherty*  
4-22-09

REVISIONS					<b>Engineer of Record:</b> <b>PBSJ</b> SEAN E. DOHERTY P.E. # 48100 2639 N. MONROE ST. BLDG C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com Certificate of Authorization No. 24		<b>LEON COUNTY</b> SIGNALIZATION PLANS FOR: MERIDIAN RD. & OX BOTTOM RD.	<b>TABULATION OF QUANTITIES</b>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY					DESCRIPTION

GENERAL NOTES:

- 1) INSTALL NEW SIGNAL POLES WITH MAST ARMS AS SHOWN. ALL MAST ARM ASSEMBLIES SHALL MEET THE CURRENT TECHNICAL SPECIAL PROVISIONS (TSP's) FOR THE CITY OF TALLAHASSEE TRAFFIC SIGNAL SYSTEM DATED DECEMBER 2000 FOUND ON THE WEB AT <http://trafflaweb01.talgov.com/tsp.html>.
- 2) ALL ATTACHMENT HARDWARE TO INSTALL 1) POLE TO FOUNDATION 2) ARMS TO POLES AND 3) TRAFFIC SIGNALS TO MAST ARM SHALL BE SUPPLIED BY THE VENDOR BASED ON REQUIREMENTS NEEDED AT EACH POLE LOCATION.
- 3) UNDERGROUND AND OVERHEAD UTILITIES TO BE CLEARED AT ALL FOUNDATION SITES BY FIELD SUPERVISOR.
- 4) ALL SIGNAL CABLE AND OTHER REQUIRED ELECTRICAL CIRCUITS SHALL BE THRU RACEWAYS (CONDUIT) FROM THE CABINET OR OTHER SOURCE TO POLES OR PEDESTALS.
- 5) POLE FOUNDATION HEIGHT ABOVE GROUND LEVEL MAY BE ADJUSTED TO MAINTAIN 18' TO 19' FT. HEIGHT TO BOTTOM OF SIGNAL HEAD ABOVE ROAD SURFACE. ABOVE GROUND HEIGHT OF FOUNDATION TO BE MAX. OF 12 INCHES WITH APPROVAL OF FIELD SUPERVISOR.
- 6) ALL SIGNAL HEADS TO MEET CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, BE BLACK IN COLOR, 12 INCH SECTION SIZE, GLASS LENS AND BE CONSTRUCTED OF DIE CASE ALUMINUM.
- 7) ALL TRAFFIC CONTROL SIGNS TO BE INSTALLED SHALL CONFORM TO THE STANDARDS SET FORTH BY THE M.U.T.C.D. AND FLORIDA D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS, DATED JANUARY 2008.
- 8) ALL PAVEMENT MARKINGS INSTALLED SHALL CONFORM TO STANDARDS SET FORTH BY THE M.U.T.C.D. AND FLORIDA D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS, DATED JANUARY 2008.
- 9) ALL POLES, SIGNAL CABINETS, CABLES, JUNCTION BOXES AND ELECTRICAL SERVICES TO BE PROPERLY GROUNDED AS PER F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX NO.'S 17727, 17733, 17736, 17764, 17841 AND SECTION 620 OF THE STANDARD SPECIFICATIONS.
- 10) ALL TRAFFIC CONTROLLER ASSEMBLIES SHALL MEET THE CURRENT TECHNICAL SPECIAL PROVISIONS (TSP's) FOR THE CITY OF TALLAHASSEE TRAFFIC SIGNAL SYSTEM DATED DECEMBER 2000 FOUND ON THE WEB AT <http://trafflaweb01.talgov.com/tsp.html>.
- 11) THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA, INC. (1-800-432-4770, UNIVERSAL NUMBER 811) AT LEAST TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.
- 12) ALIGNMENT OF SIGNAL HEADS FOR VISIBLE SIGHT DISTANCE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SECTION 4B-12, TABLE 4-1.
- 13) THE MAJOR STREET IS MERIDIAN ROAD WITH A POSTED SPEED LIMIT OF 45 M.P.H., THE MINOR STREET IS OX BOTTOM ROAD WITH A POSTED SPEED LIMIT OF 45 M.P.H..
- 14) SEPARATE CONDUIT AND PULL BOX SYSTEMS SHALL BE USED FOR LOOPS LEAD-IN CABLES, SIGNAL CABLES, POWER CABLES AND INTERCONNECT CABLES RESPECTIVELY.
- 15) PAY ITEM NO. 663-74-II TO INCLUDE ALL CHANNEL DETECTORS, DETECTOR CABLES, PREEMPTION SYSTEM CHASSIS WITH DISCRIMINATOR CARDS AND ANY CONTROLLER/SYSTEM INTERFACE PANELS WITH ASSOCIATED WIRING AND PREEMPTION TIMINGS TO MAKE A FULLY OPERATIONAL AND FUNCTIONAL PREEMPTION SYSTEM. THE NUMBER AND TYPE OF OPTICAL DETECTORS (1 WAY OR 2 WAY) ARE SHOWN ON THE SIGNALIZATION PLANS. THE SYSTEM IS TO BE PAID AS ONE ASSEMBLY PER INTERSECTION.

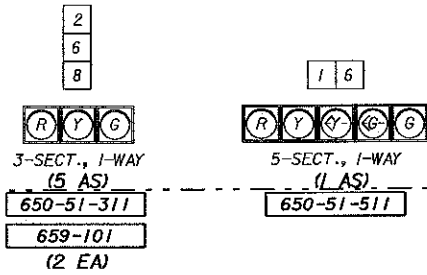
*Sean E. Doherty*  
4-22-09

REVISIONS						Engineer of Record: SEAN E. DOHERTY P.E. # 48100 2639 N. MONROE ST. BLDG C TALLAHASSEE, FL 32303 (850) 575-1800 www.pbsj.com Certificate of Authorization No. 24	 LEON COUNTY SIGNALIZATION PLANS FOR: MERIDIAN RD. & OX BOTTOM RD.	SIGNALIZATION GENERAL NOTES	SHEET NO. T-3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				

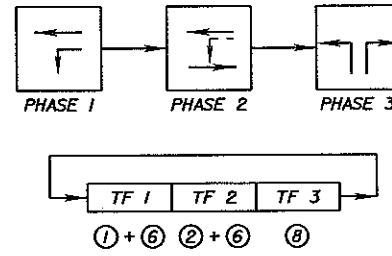
**NOTES:**

- 1) THE MAJOR STREET IS MERIDIAN ROAD. THE MINOR STREET IS OX BOTTOM ROAD.
- 2) PAY ITEM NO. 659-101 (BACK PLATES) SHALL BE INSTALLED FOR TRAFFIC SIGNALS MOVEMENT 8.

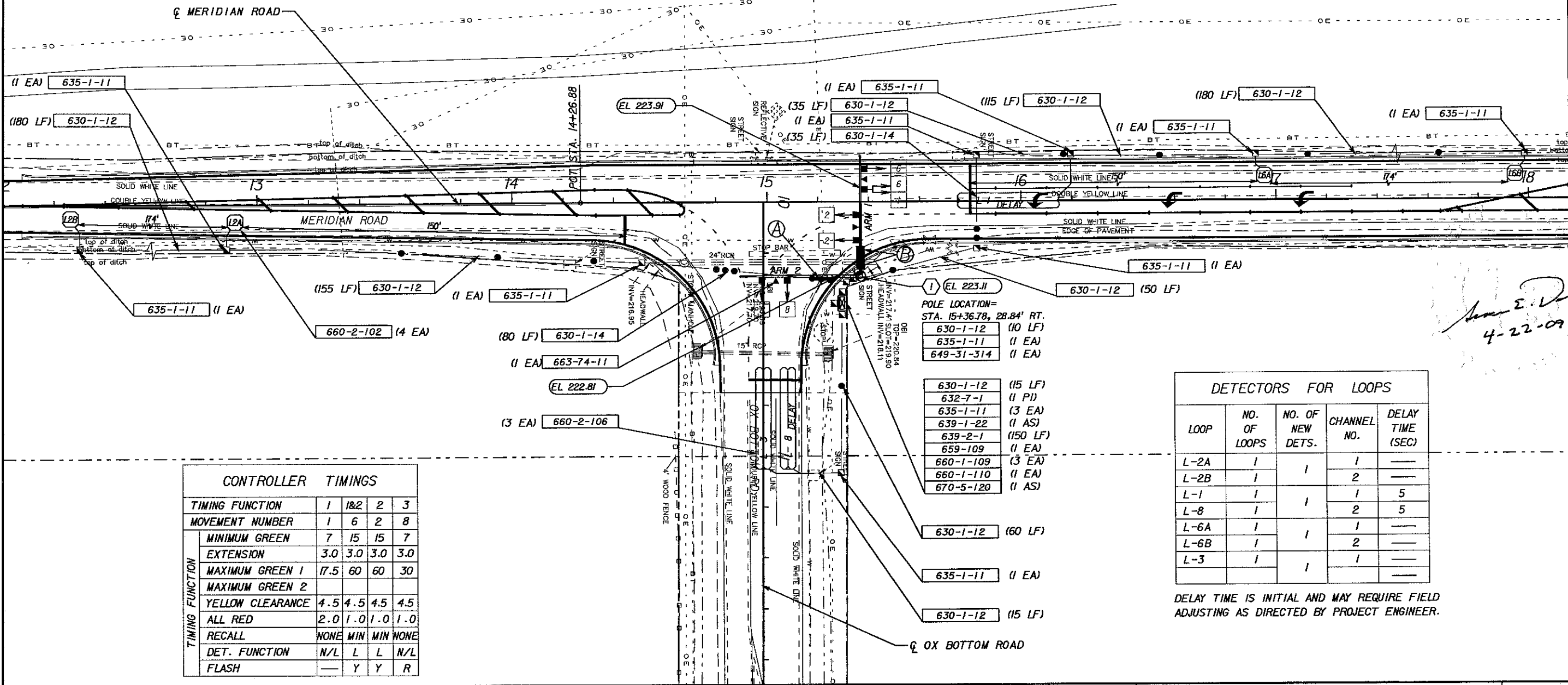
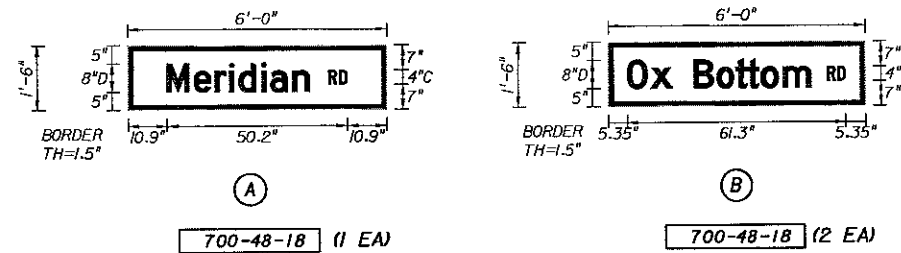
**SIGNAL HEAD DETAILS**



**S.O.P.**



**OVERHEAD SIGN DETAILS**



**CONTROLLER TIMINGS**

TIMING FUNCTION	1	1&2	2	3
MOVEMENT NUMBER	1	6	2	8
MINIMUM GREEN	7	15	15	7
EXTENSION	3.0	3.0	3.0	3.0
MAXIMUM GREEN 1	17.5	60	60	30
MAXIMUM GREEN 2				
YELLOW CLEARANCE	4.5	4.5	4.5	4.5
ALL RED	2.0	1.0	1.0	1.0
RECALL	NONE	MIN	MIN	NONE
DET. FUNCTION	N/L	L	L	N/L
FLASH		Y	Y	R

**DETECTORS FOR LOOPS**

LOOP	NO. OF LOOPS	NO. OF NEW DETS.	CHANNEL NO.	DELAY TIME (SEC)
L-2A	1		1	—
L-2B	1		2	—
L-1	1		1	5
L-8	1		2	5
L-6A	1		1	—
L-6B	1		2	—
L-3	1		1	—

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.

*Sean E. Doherty*  
4-22-09

**REVISIONS**

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: SEAN E. DOHERTY  
P.E. # 48100  
2639 N. MONROE ST. BLDG C  
TALLAHASSEE, FL 32303  
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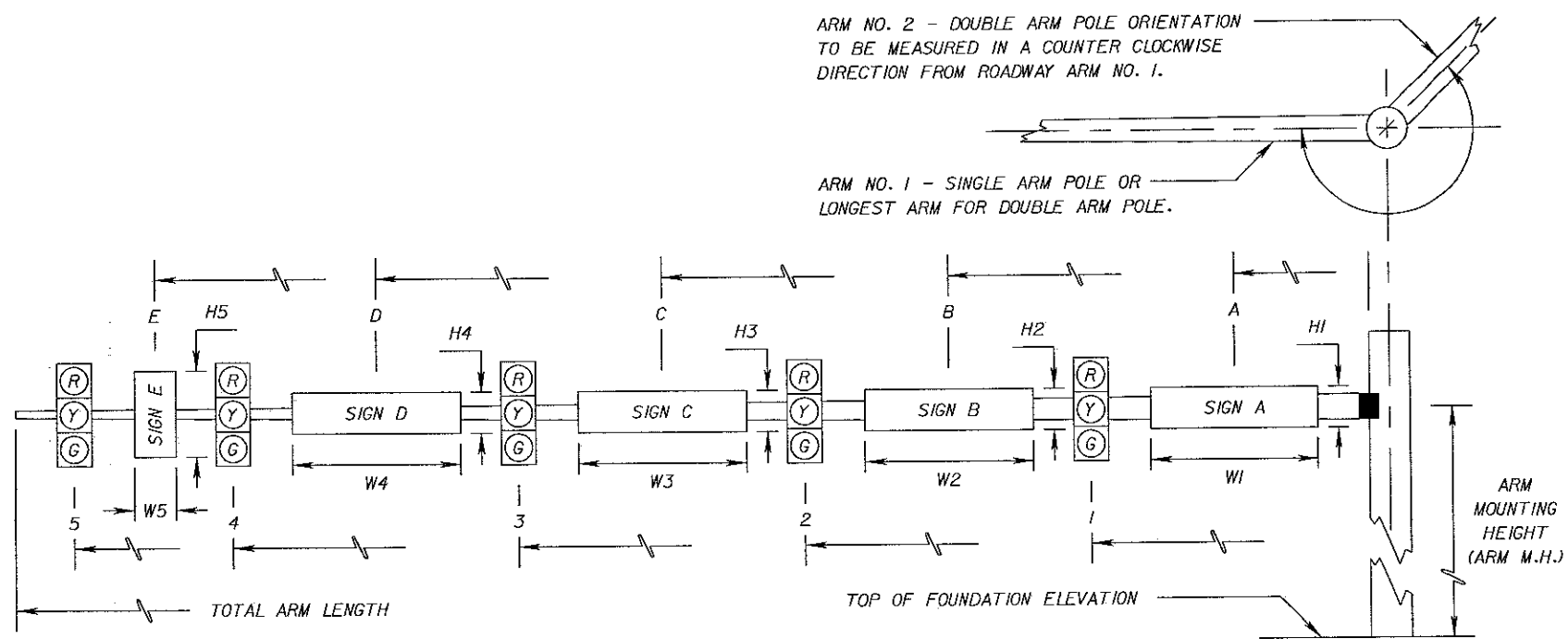
LEON COUNTY  
SIGNALIZATION PLANS FOR:  
MERIDIAN RD. & OX BOTTOM RD.

**MERIDIAN ROAD & OX BOTTOM ROAD SIGNALIZATION PLAN**

SHEET NO.  
T-4

SPECIAL INSTRUCTIONS			
ID NO.	PED. BUTTON	PED. SIGNALS	HANDHOLE LOCATION

**MAST ARM NOTE:**  
MAST ARMS TO BE BROWN IN COLOR (SHERWIN-WILLIAMS COLOR #20040 NATIONAL PARK SERVICE BROWN).



\* DENOTES NUMBER OF SECTIONS IN SIGNAL HEAD ASSEMBLY

ID NO.	SHEET NO.	LOCATION BY STA.	TOP OF FOUNDATION ELEVATION	RD/WY ARM NO.	CROWN ELEV.	SIGNAL V/H	BACK PLATES Y/N	PED. SIGNAL Y/N	SIGNAL DATA																TOTAL ARM LENGTH	ARM M.H.	Z BETWEEN DUAL ARMS 90/270	SIGN DATA																PAINT COLOR
									DISTANCE FROM POLE																			DISTANCE FROM POLE / HEIGHT AND WIDTH OF SIGN																
									1	*	2	*	3	*	4	*	5	*	6	*	A	H1	W1	B				H2	W2															
1	T-4	15+36.78	223.11	1	223.91	H	N	N	12.5	3	22.5	3	32.5	5	40.5	3	46	19.6	90	5.5	1.5	6	5.5	1.5	6	BROWN																		
				2	222.81	H	Y	N	27	3	37	3	46	19.6				13	1.5	6				BROWN																				
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LEON COUNTY  
SIGNALIZATION PLANS FOR:  
MERIDIAN RD. & OX BOTTOM RD.

**MAST ARM TABULATION**

SHEET NO.  
T-5

\*USER# \*DATE# \*TIME# \*FILE#

STANDARD MAST ARM ASSEMBLIES DATA TABLE																			
STRUCTURE ID NUMBERS	ASSEMBLY NUMBERS <sup>(1)</sup>	FIRST ARM			SECOND ARM			UF (deg)	LL (deg)	POLE				SPECIAL DRILLED SHAFT <sup>(4)</sup>				GROUT PAD	
		ARM TYPE	FAA <sup>(2)</sup> (ft.)	FBA <sup>(2)</sup> (in.)	ARM TYPE	FAA <sup>(2)</sup> (ft.)	FBA <sup>(2)</sup> (in.)			POLE TYPE	UAA <sup>(3)</sup> (ft.)	UB (ft.)	UCA <sup>(3)</sup> (in.)	DA (ft.)	DB (ft.)	RA	RB	Y/N	
Pole 1	F4-F4-W3	F4			F4			90		W3		20.5						Y	

TABLE NOTES:

1. Assembly Number Legend

Single Arm:  
 Arm Type - Pole Type = D# - S#  
                               = E# - T#  
                               = F# - W#

Double Arm:  
 First Arm Type - Second Arm Type - Pole Type = D# - D# - S#  
   = E# - E# - T#  
   = F# - F# - W#

2. If an entry appears in columns "FAA" and "FBA", a shorter arm is required. This is obtained by removing length from the arm tip. For these cases the mast arm length shall be shortened from "FA" to "FAA" and the tip diameter shall be increased from "FB" to "FBA".

3. If an entry appears in columns "UAA" and "UCA", a shorter pole is required. This is obtained by removing length from the pole tip. For these cases the pole height shall be shortened from "UA" to "UAA" and the pole tip diameter shall be increased from "UC" to "UCA".

4. The foundations for Standard Mast Arm Assemblies are pre-designed and are based upon the following conservative soil criteria which covers the great majority of soil types found in Florida. Only complete the "Special Drilled Shaft" data information if site conditions dictate drilled shafts with additional foundation capacity.

Classification = Cohesionless (Fine Sand)  
 Friction Angle = 30 Degrees (30°)  
 Unit Weight = 50 lbs. / cu. ft. (assumed saturated)

5. The standard foundations were verified for the specific criteria for this site as shown in the Geotechnical Report dated September 2008 prepared by EGS.

Overturning            Sandy Clay            c=1.9  
 Torsion                 Stiff Sandy Clay        c=3.0                    coef=0.30

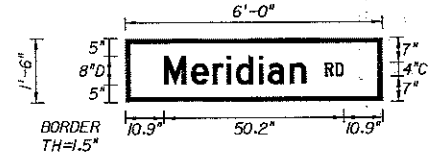
GENERAL NOTES:

1. Work this sheet with the Signal Designer's "Mast Arm Tabulation". See "Mast Arm Tabulation" for special instructions that include non-standard Handhole location, point color, terminal compartment requirement, and pedestrian features.
2. Work with Index Nos. 17743 and 17745.
3. When placing Standard Mast Arm Assemblies on existing foundations, remove existing grout pad and cut existing anchor bolts flush with top of foundation. Replace damaged or removed portions of the foundation, using epoxy bonding compound according to Section 400 of the Specifications. Replace grout pad according to Section 934 of the Specifications.

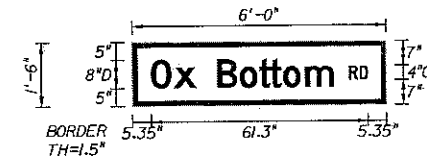
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<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION													<p>Engineer of Record:</p> <p><b>PBSJ</b></p> <p>Certificate of Authorization No. 24</p>		<p>JERRY O'STEEN        P.E. # 28466        2639 N. MONROE ST. BLDG C        TALLAHASSEE, FL 32303        (850) 575-1800        www.pbsj.com</p>		<p><b>LEON COUNTY</b></p> <p>SIGNALIZATION PLANS FOR:</p> <p>MERIDIAN RD. &amp; OX BOTTOM RD.</p>		<p><b>TABLE OF VARIABLES FOR        STANDARD MAST ARM        ASSEMBLIES INDEX NO. S-1700</b></p>		<p>SHEET NO.</p> <p>T-6</p>
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION																											

SIGN NAME	A		STATION(S)			
QUANTITY	1	1	none			
WIDTH	6'-0"	2				
HEIGHT	1'-6"	3				
BORDER WIDTH	1.5"	4				
BORDER RADII	0"	5				
PANEL COLOR	Green					
LEGEND	White					
BORDER	White					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	CLEARANCE EDGE OF LAINE	COLUMN SIZE		AVERAGE LENGTH		



SIGN NAME	B		STATION(S)			
QUANTITY	2	1	none			
WIDTH	6'-0"	2				
HEIGHT	1'-6"	3				
BORDER WIDTH	1.5"	4				
BORDER RADII	0"	5				
PANEL COLOR	Green					
LEGEND	White					
BORDER	White					
SYMBOL(S)	ANGLE	X	Y	WID	HT	
PLACE	0	0	0	121-2	53.2	
SIGN NUMBER	CLEARANCE EDGE OF LAINE	COLUMN SIZE		AVERAGE LENGTH		



COPY		M	e	r	i	d	i	o	n		L										
SPACE	10.9	7.7	5.8	4	2.6	6.4	2.5	6.1	4.7	21.4	39.8										
COPY		R	D		L																
SPACE	55	2.9	2.2	10.9	5.2																
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COPY		O	x		B	o	t	t	o	m	L										
SPACE	5.35	6.5	6.2	6	6.3	5.4	3.4	3.8	6.2	7.9	15	51.7									
COPY		R	D		L																
SPACE	61.5	2.9	2.2	5.35	5.2																
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SIGN NAME			STATION(S)			
QUANTITY		1				
WIDTH		2				
HEIGHT		3				
BORDER WIDTH		4				
BORDER RADII		5				
PANEL COLOR						
LEGEND						
BORDER						
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	CLEARANCE EDGE OF LAINE	COLUMN SIZE		AVERAGE LENGTH		

SIGN NAME			STATION(S)			
QUANTITY		1				
WIDTH		2				
HEIGHT		3				
BORDER WIDTH		4				
BORDER RADII		5				
PANEL COLOR						
LEGEND						
BORDER						
SYMBOL(S)	ANGLE	X	Y	WID	HT	
SIGN NUMBER	CLEARANCE EDGE OF LAINE	COLUMN SIZE		AVERAGE LENGTH		

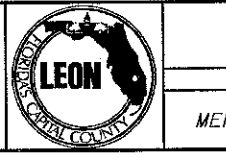
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*Sean E. Doherty*  
4-22-09

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Record: SEAN E. DOHERTY  
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 2639 N. MONROE ST. BLDG C  
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www.pbsi.com  
Certificate of Authorization No. 24



LEON COUNTY  
SIGNALIZATION PLANS FOR:  
MERIDIAN RD. & OX BOTTOM RD.

**GUIDE SIGN WORKSHEET**

\*USER\* \*DATE\* \*TIME\* \*FILE\*

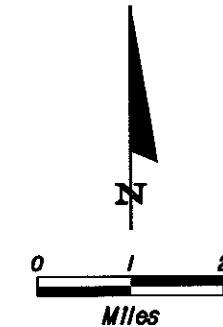
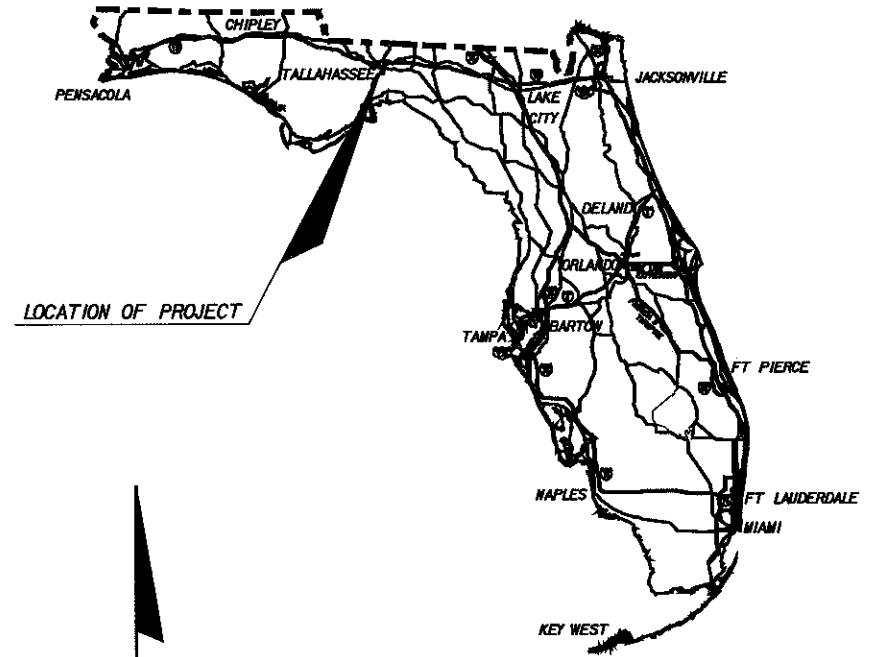


**EROSION CONTROL PLANS**  
**LEON COUNTY**

**MERIDIAN ROAD AND  
OX BOTTOM ROAD INTERSECTION**

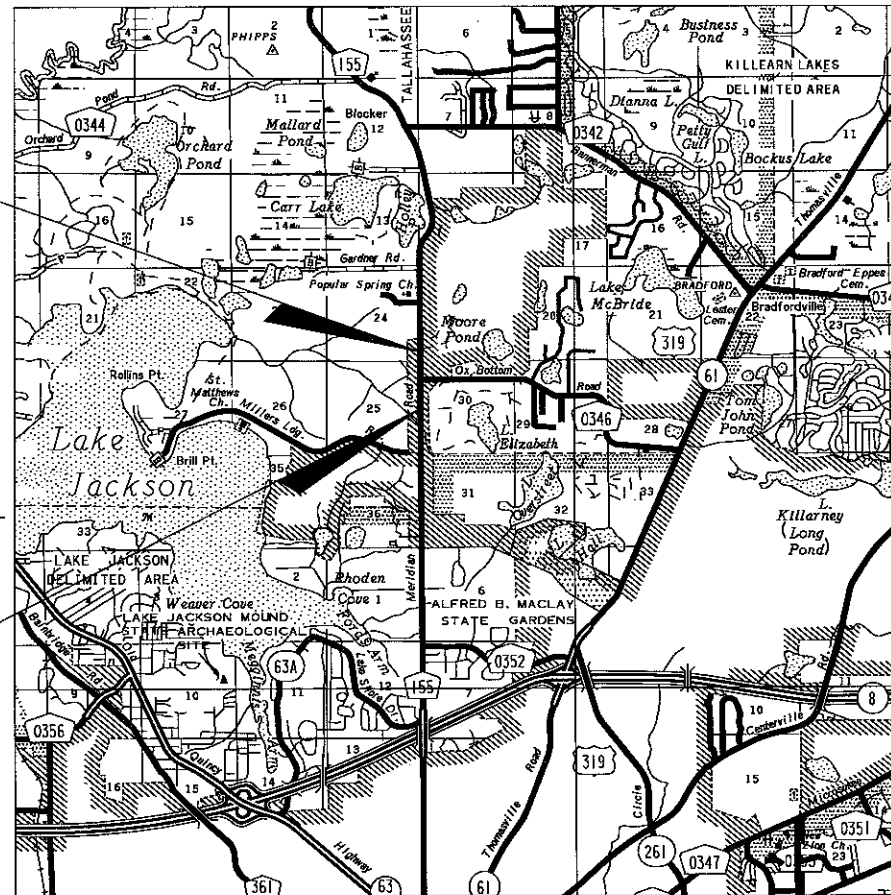
**INDEX OF EROSION CONTROL PLANS**

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2 - 4	EROSION CONTROL AND TREE PROTECTION PLANS
5	EROSION CONTROL AND TREE PROTECTION DETAILS



END PROJECT  
STA. 20+40.00

BEGIN PROJECT  
STA. 11+60.00



PLANS PREPARED BY:



2639 N. MONROE ST. BLDG C  
Tallahassee, FL 32303  
(850) 575-1800  
www.pbsj.com

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

**FINAL PLANS**

NOTE: THIS IS A UNIT PRICE PROJECT.

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2008, AND  
STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2007, AS  
AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-09

FOR DESIGN STANDARDS MODIFICATIONS CLICK ON  
"DESIGN STANDARDS" AT THE FOLLOWING WEB SITE:  
[HTTP://WWW.DOT.STATE.FL.US/RDDISIGN/](http://www.dot.state.fl.us/rddesign/)

REVISIONS:

PROJECT LENGTH IS BASED ON @ SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	880	.167
BRIDGES		
NET LENGTH OF PROJECT	880	.167
EXCEPTIONS		
GROSS LENGTH OF PROJECT	880	.167

PROJECT MANAGER:

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

EROSION CONTROL AND  
TREE PROTECTION PLANS  
ENGINEER OF RECORD:

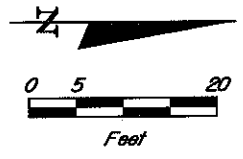
Mike A. Scibelli

P.E. NO. 40238

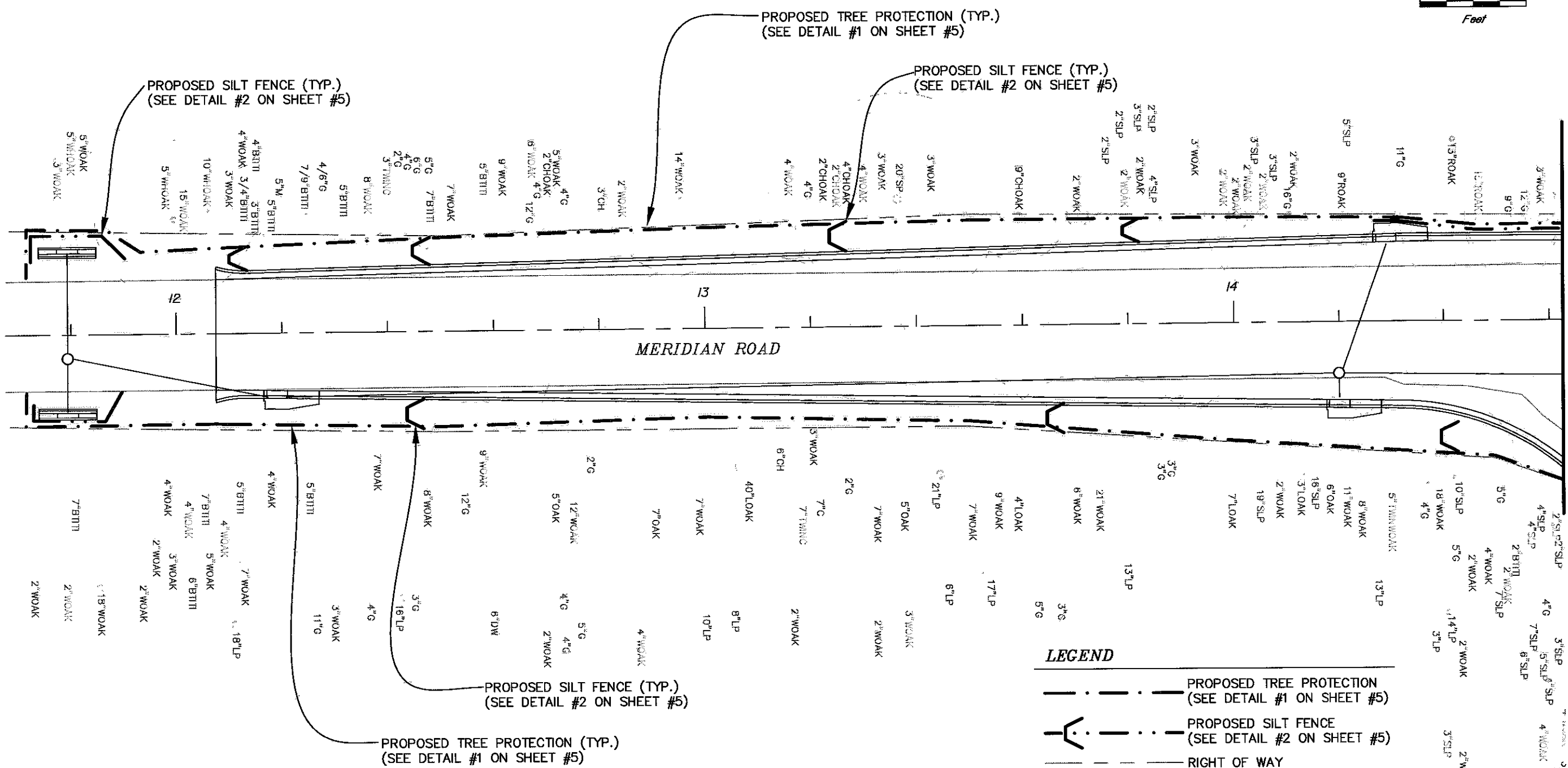
SHEET  
NO.

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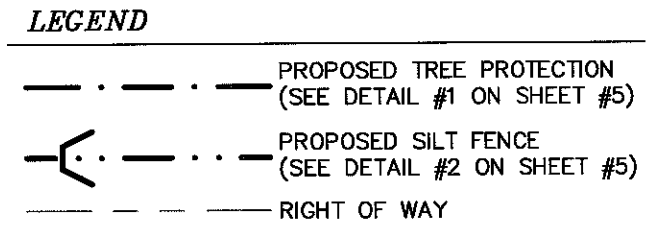
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MATCHLINE SEE SHEET NO. 3



**EXISTING TREES**

SHP	SHORT LEAF PINE	BTTI	BLACK TITI
SLP	SLASH PINE	WHOAK	WHITE OAK
C	CHAMPHOR	M	MIMOSA
ROAK	RED OAK	MAG	MAGNOLIA
WOAK	WATER OAK	LP	LONG LEAF PINE
LOAK	LIVE OAK	GASH	GREEN ASH
CH	CHERRY	WM	WAX MYRTLE
DW	DOGWOOD	SP	SPRUCE PINE
CHOAK	CHESTNUT OAK	H	HICKORY
G	SWEET GUM		

*Handwritten signature and date: 4/23/09*

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Records  
**PBSJ**  
 MICHAEL A. SCIBELLI  
 P.E. # 40239  
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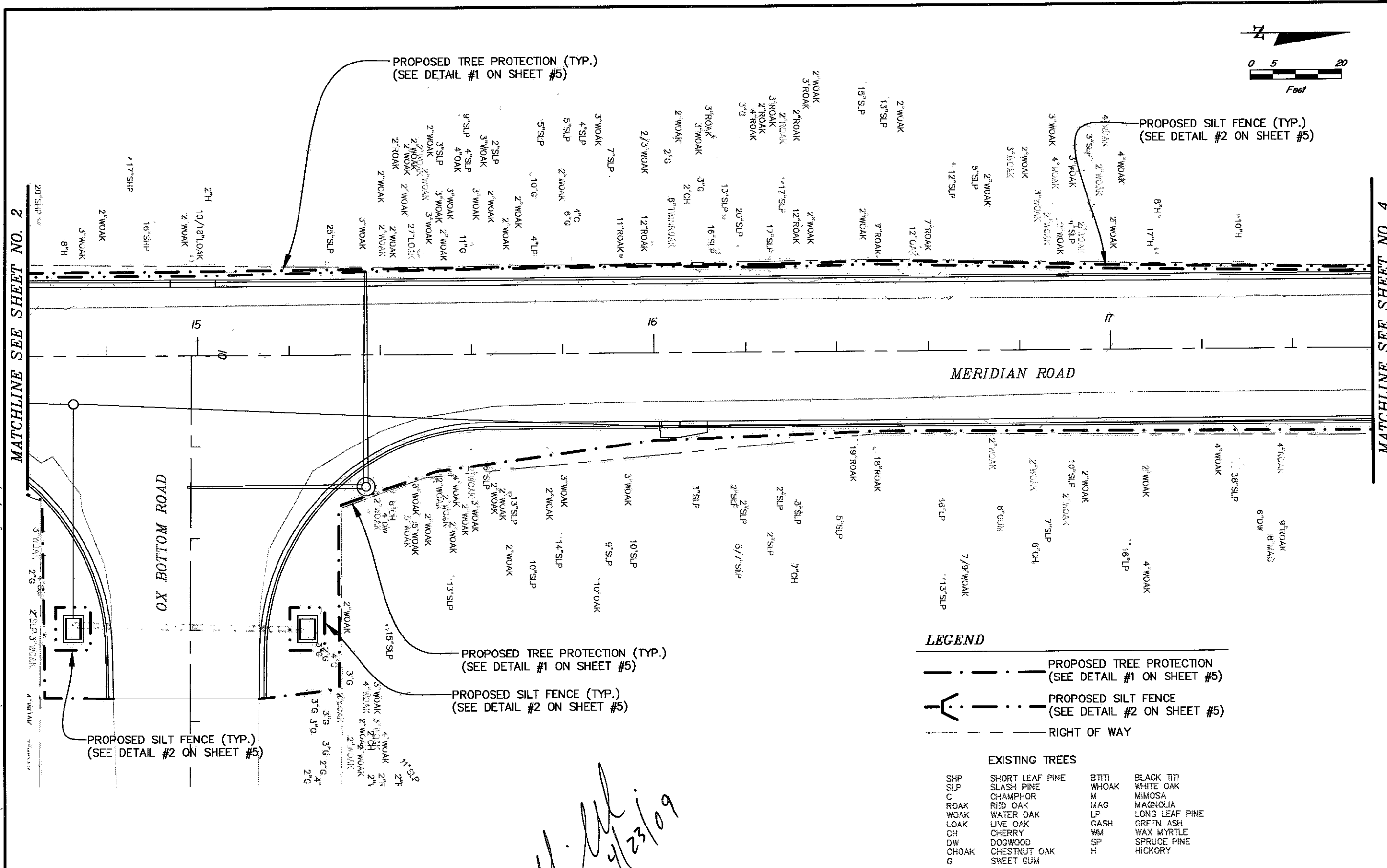


LEON COUNTY  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN RD. & OX BOTTOM RD.

EROSION CONTROL AND  
 TREE PROTECTION PLAN

SHEET NO.  
 2





**LEGEND**

- PROPOSED TREE PROTECTION (SEE DETAIL #1 ON SHEET #5)
- PROPOSED SILT FENCE (SEE DETAIL #2 ON SHEET #5)
- RIGHT OF WAY

**EXISTING TREES**

SHP	SHORT LEAF PINE	BTI	BLACK TITI
SLP	SLASH PINE	WHOAK	WHITE OAK
C	CHAMPHOR	M	MIMOSA
ROAK	RED OAK	MAG	MAGNOLIA
WOAK	WATER OAK	LP	LONG LEAF PINE
LOAK	LIVE OAK	GASH	GREEN ASH
CH	CHERRY	WM	WAX MYRTLE
DW	DOGWOOD	SP	SPRUCE PINE
CHOAK	CHESTNUT OAK	H	HICKORY
G	SWEET GUM		

*M. A. Scibelli*  
4/23/09

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MATCHLINE SEE SHEET NO. 2

MATCHLINE SEE SHEET NO. 4

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

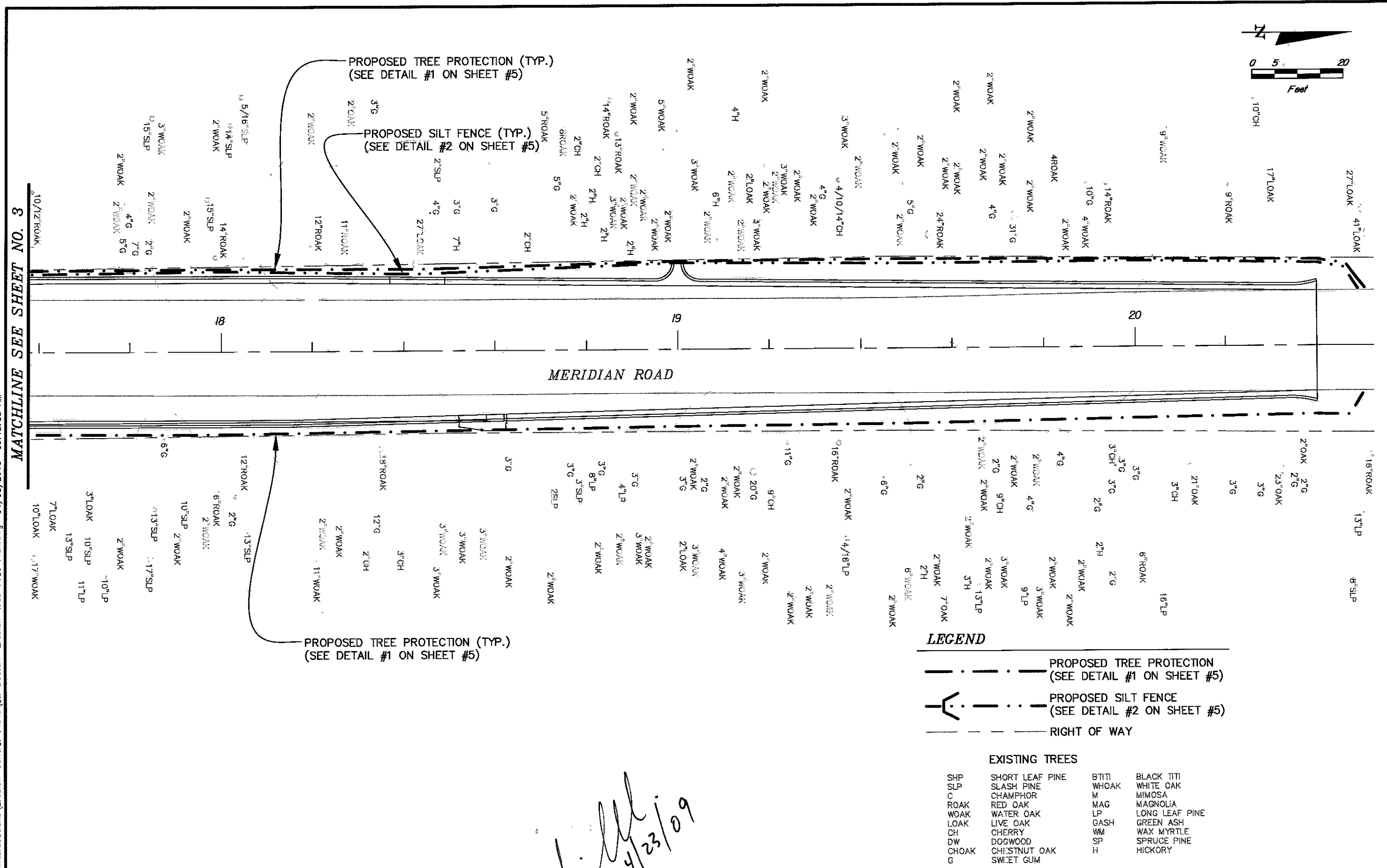
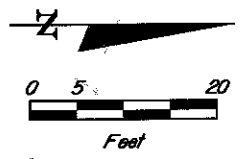
Engineer of Records  
**PBSJ**  
 MICHAEL A. SCIBELLI  
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LEON COUNTY  
 CONSTRUCTION PLANS FOR  
 MERIDIAN RD. & OX BOTTOM RD.

EROSION CONTROL AND  
 TREE PROTECTION PLAN

SHEET NO.  
 3



MATCHLINE SEE SHEET NO. 3

- LEGEND**
- PROPOSED TREE PROTECTION (SEE DETAIL #1 ON SHEET #5)
  - PROPOSED SILT FENCE (SEE DETAIL #2 ON SHEET #5)
  - RIGHT OF WAY

**EXISTING TREES**

SHP	SHORT LEAF PINE	BTH	BLACK TITI
SLP	SLASH PINE	WHOAK	WHITE OAK
C	CHAMPHOR	M	MIMOSA
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LOAK	LIVE OAK	GASH	GREEN ASH
CH	CHERRY	WM	WAX MYRTLE
DW	DOGWOOD	SP	SPRUCE PINE
CHOAK	CHESTNUT OAK	H	HICKORY
G	SWEET GUM		

*[Handwritten Signature]*  
4/23/09

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

Engineer of Records  
**PBSJ**  
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**LEON COUNTY**  
 CONSTRUCTION PLANS FOR:  
 MERIDIAN RD. & OX BOTTOM RD.

**EROSION CONTROL AND  
 TREE PROTECTION PLAN**

SHEET NO.  
 4

