

# DEPARTMENT OF THE ARMY PERMIT

**Permittee:** Florida Department of Transportation - District 2  
Attn: Van Humphreys  
1109 South Marion Avenue  
Lake City, Florida 32025

**RECEIVED**

OCT 06 2008

**Permit No:** SAJ-1999-607 (IP-AWP)

JACKSONVILLE DISTRICT

**Issuing Office: U.S. Army Engineer District, Jacksonville**

USACE

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

**Project Description:** The excavation of 0.96 acre of waters of the United States (wetlands) along State Road (SR) 207, between Elkton and Vermont Heights, for the replacement of a roadside ditch pursuant to the Seventh Judicial Circuit Court stipulated final judgment for Rayonier Forest Resources, L.P. vs. State of Florida, Department of Transportation. The work described above is to be completed in accordance with the 4 attachments affixed at the end of this permit instrument.

**Project Location:** The project is located along State Road (SR) 207, between Elkton and Vermont Heights, in Sections 9, 16, 19, and 30, Township 8 South, Range 29 East; and Sections 24 and 25, Township 8 South, Range 28 East, St. Johns County, Florida. The project as proposed will impact wetlands associated with Deep Creek, a tributary of the St. Johns River.

**Directions to site:** From the intersection of Interstate 95 and SR 207 proceed west on SR 207.

**Latitude & Longitude:** Latitude 29.8003 North  
Longitude 81.4124 West

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JACKSONVILLE DISTRICT  
USACE

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized ends on **September 29, 2013**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to

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ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**Special Conditions:**

1. **NO Discharge of Fill Authorized:** The issuance of this Department of the Army permit does not authorize the discharge of fill material into waters of the United States (wetlands or surface waters). All excavated material must be disposed of at an approved upland disposal site.

2. The Permittee agrees incorporate and follow the Standard Eastern Indigo Snake Protection Measures included as attachment 2 during construction activities.

3. **Reporting Address:** All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232. The Permittee shall reference this permit number, SAJ-1999-607(IP-AWP), on all submittals.

4. **Commencement Notification:** Within 10 days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.

5. **Erosion Control:** Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas adjacent to wetlands shall be stabilized using sod, degradable mats, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.

6. **As-Builts:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and a completed

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As-Built Certification Form (Attachment 3) to the Corps. The drawings shall be signed and sealed by a registered professional engineer and include the following:

a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawing should show all "earth disturbance," including wetland impacts, water management structures, and any on-site mitigation areas.

b. List any deviations between the work authorized by this permit and the work as constructed. In the event that the completed work deviates in any manner from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the U.S. Army Corps of Engineers.

c. The Department of the Army Permit number.

d. Include pre- and post-construction aerial photographs of the project site, if available.

7. **Compensatory Mitigation:** Wetland impacts will be mitigated pursuant to the Senate Bill 1986 Rule - Section 373.4137 Florida Statutes (F.S.). Within 6 months from the date of initiating the authorized work or 12 months from the effective date of this permit, whichever first occurs, the Permittee shall complete compensatory mitigation in accordance the FDOT MITIGATION PLAN, Mitigation Project Group. A minimum of 1.23 functional units shall be replaced by the mitigation plan.

SJRWMD shall submit an annual status report and five year update of the mitigation described above in accordance with the Memorandum of Understanding between the SJRWMD and the United States Army Corps of Engineers, Jacksonville District signed October 16, 2007 and October 9, 2007 respectively.

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**Further Information:**

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

( ) Section 10 of the Rivers and Harbors Act of 1899  
(33 U.S.C. 403).

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

( ) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

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d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this

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permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

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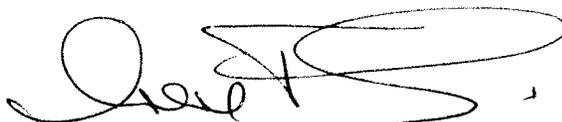
Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

  
\_\_\_\_\_  
(PERMITTEE)

10-1-08  
\_\_\_\_\_  
(DATE)

VAW Humphreys  
\_\_\_\_\_  
(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

  
\_\_\_\_\_  
(DISTRICT ENGINEER)

10-14-08  
\_\_\_\_\_  
(DATE)

*Fry*  
Paul L. Grosskruger  
Colonel, U.S. Army  
District Commander

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USACE

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When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\_\_\_\_\_  
(TRANSFEEE-SIGNATURE)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(ADDRESS)

\_\_\_\_\_  
(CITY, STATE, AND ZIP CODE)

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***Attachments to Department of the Army  
Permit Number SAJ-1999-607(IP-AWP)***

1. PERMIT DRAWINGS: 61 pages, dated 7/27/08
2. Standard Eastern Indigo Snake Protection Measures: 1 page
3. WATER QUALITY CERTIFICATION: Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 2 of this DA permit. 5 pages.
4. As-Built Certification: 1 page

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COMPONENTS OF CONTRACT OCT 8 2008

JACKSONVILLE DISTRICT  
USACE

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
CONTRACT PLANS

FINANCIAL PROJECT ID 210253-5-52-01  
ST. JOHNS COUNTY (78051)  
STATE ROAD NO. 207

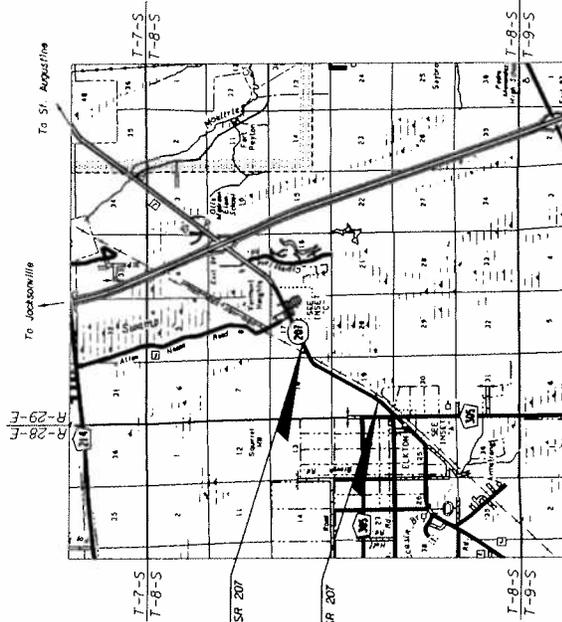
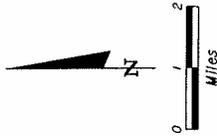
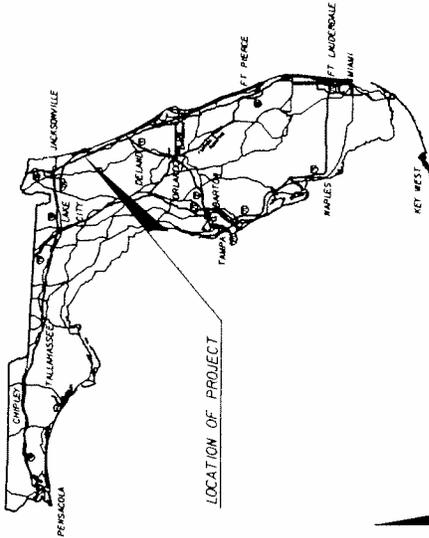
INDEX OF ROADWAY PLANS

- | SHEET NO. | SHEET DESCRIPTION                    |
|-----------|--------------------------------------|
| 1         | ART SHEET                            |
| 2         | SUMMARY OF PLAN ITEMS                |
| 3         | TYPICAL SECTION                      |
| 4         | SUMMARY OF QUANTITIES                |
| 5         | SUMMARY OF DRAINAGE STRUCTURES       |
| 6         | GENERAL NOTES                        |
| 7-15      | PLAN PROFILE                         |
| 16        | DRAINAGE STRUCTURES                  |
| 17-50     | CROSS SECTIONS                       |
| 51-52     | STORMWATER POLLUTION PREVENTION PLAN |
| 53        | TRAFFIC CONTROL PLAN                 |
| 54        | TRAFFIC CONTROL DETAILS              |

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
DESIGN STANDARDS DATED 2005,  
AND STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION DATED 2007,  
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MONITORING  
For Design Standards Monitoring click on  
"Design Standards" at the following web site:  
<http://www.eot.state.fl.us/roads/tp/>



END PROJECT  
STA. 3838+50.69 E SR 207  
M.P. 10.562

BEGIN PROJECT  
STA. 3760+30.41 E SR 207  
M.P. 9.054

PROJECT LENGTH IS BASED ON E. OF SR 207

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	7752.28	1.468
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	7752.28	1.468
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	7752.28	1.468

FOOT PROJECT MANAGER: RICHARD MOSS, P.E.

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:  
JAMES J. JOHNSON, P.E.  
E. C. DRIVER & ASSOCIATES  
719 BEECH RIDGE TRAIL  
TALLAHASSEE, FL 32312-5075  
(850) 893-6448

PLANS PREPARED BY:  
**ECDriver**  
719 BEECH RIDGE TRAIL  
TALLAHASSEE, FL 32312-5075  
(850) 893-6448  
CERTIFICATE OF AUTHORIZATION EB0003538  
VENDOR NUMBER 59-237505  
CONTRACT NUMBER C-8442

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

PRELIMINARY, SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007

KEY SHEET REVISIONS	
DATE	DESCRIPTION

ROADWAY PLANS  
ENGINEER OF RECORD: James J. Johnson, P.E.

P.E. NO. 62546

FISCAL YEAR	07
SHEET NO.	1

1 of 61 sheets



PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

FLORIDA DEPARTMENT OF TRANSPORTATION  
 PROJECT SUMMARY OF PAY ITEMS

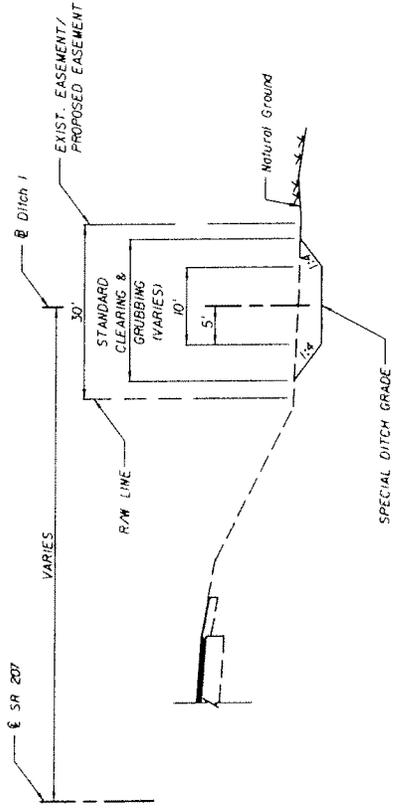
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PAGE: 1

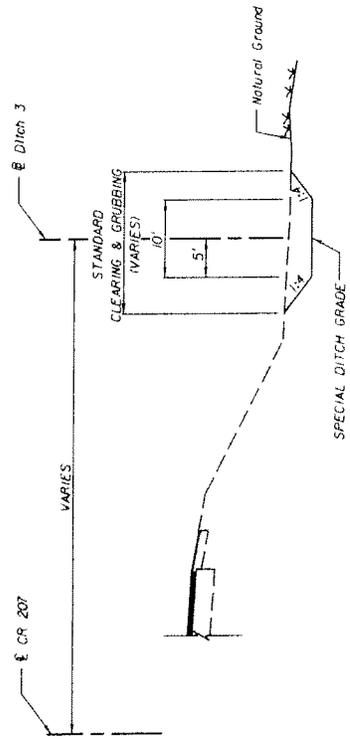
0200 SUMMARY OF ROADWAY		PAY ITEMS				QUANTITY
ITEM NUMBER	ITEM DESCRIPTION	UNIT	21025355201	21025355201	21025355201	TOTAL
			Non-Part	Part	Part	
10101-1-	MOBILIZATION	LSL	0.000	1.000	1.000	1.000
10102-1-	MAINTENANCE OF TRAFFIC	LSL	0.000	1.000	1.000	1.000
10102-60-	WORK ZONE SIGNS	LED	0.000	1.000	1.000	1.000
10102-71-	1 BARRIER WALL, TEMPORARY, F&I, CONCRETE	LF	0.000	1.000	1.000	1.000
10102-74-	1 BARRICADE, TEMPORARY, TYPE I, 11, 01, VP & DRUM	LED	0.000	1.000	1.000	1.000
10102-74-	2 BARRICADE, TEMPORARY, TYPE III, 6'	LED	0.000	1.000	1.000	1.000
10102-77-	HIGH INTENSITY FLASHING LIGHTS, TEMP. TYPE B	LED	0.000	1.000	1.000	1.000
10102-79-	LIGHTS, BARRIER WALL MOUNT, TEMP. TYPE C, STEADY BURN	LED	0.000	1.000	1.000	1.000
10102-89-	1 CRASH CUSHION / IMPACT ATTENUATOR, TEMPORARY, IMPROVED / DIRECTIVE OPTION	LLO	0.000	1.000	1.000	1.000
10104-12-	1 STAKED TURBIDITY BARRIER	LF	0.000	1.000	1.000	1.000
10110-13-	1 CLEARING & GRUBBING	LSL	0.000	1.000	1.000	1.000
10120-1-	1 REGULAR EXCAVATION	ICY	0.000	1.000	1.000	1.000
10120-6-	1 EMBANKMENT	ICY	0.000	1.000	1.000	1.000
10121-70-	1 FLOWABLE FILL	ICY	0.000	1.000	1.000	1.000
10400-1-	2 CONCRETE CLASS 1, ENDWALLS	ICY	0.000	1.000	1.000	1.000
10430-172-201	1 PIPE CULVERT, OPTIONAL MATERIAL, OTHER - ELLIP/ARCH, 0-24" CD	LF	0.000	1.000	1.000	1.000
10430-174-101	1 PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 0-24" SD	LF	0.000	1.000	1.000	1.000
10430-382-629	1 MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH 124" CD	LEA	0.000	1.000	1.000	1.000
10430-384-125	1 MITERED END SECTION, OPTIONAL ROUND, 18" SD	LEA	0.000	1.000	1.000	1.000
10431-1-	1 PIPE LINER, OPTIONAL MATERIAL, 0-24"	LF	0.000	1.000	1.000	1.000
10530-3-	4 RIPRAP, RUBBLE, F&I, DITCH LINING	ITM	0.000	1.000	1.000	1.000
10556-1-	5 JACK AND BORE, CASING DIAMETER 24" TO 36"	LF	0.000	1.000	1.000	1.000
10570-1-	2 PERFORMANCE TURF, SOD	ISY	0.000	1.000	1.000	1.000
10999-25-	1 INITIAL CONTINGENCY AMOUNT, DO NOT BID	LSL	0.000	1.000	1.000	1.000

<b>ECDriver</b> <small>FLORIDA'S BEST AND FASTEST GROWING COMPANY</small> 15150 W. BETH ANNE TRAIL PALM HAVEN, FL 33422-9075 CENT. OF AUTH. #3834		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID 210253-5-52-01	SHEET NO. 2
ENGINEER OF RECORD: JAMES J. JOHNS, P.E. P.E. NO. 62346		COUNTY: ST. JOHNS ROAD NO: SR 207 PROJECT: 210253-5-52-01	SUMMARY OF PAY ITEMS
REVISIONS DATE BY DESCRIPTION	E.C. DRIVER 7/27/2007 2:05:42 PM C:\2002352021\00006\KES5007.DGN		

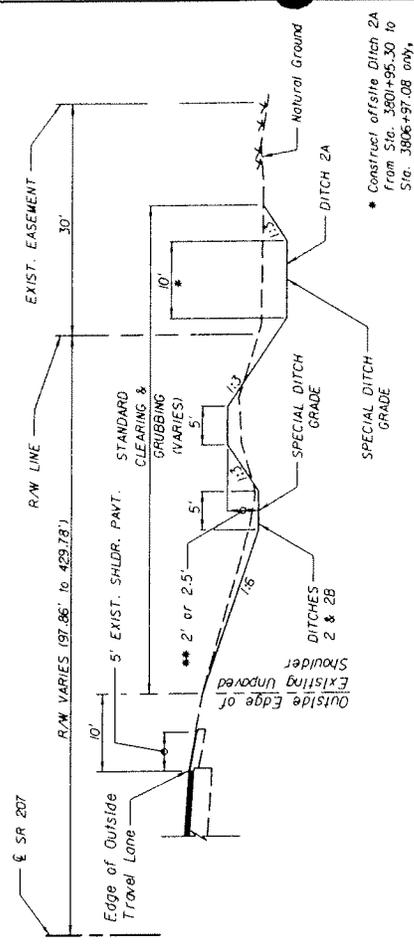
PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



TYPICAL SECTION DITCH 1  
 STA. 105+10.00 TO STA. 145+10.00

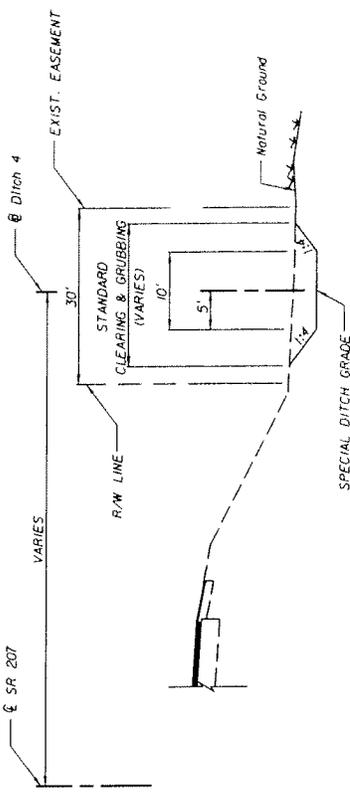


TYPICAL SECTION DITCH 3  
 STA. 300+00.00 TO STA. 314+79.11



TYPICAL SECTION DITCHES 2, 2A, & 2B  
 SR 207  
 DITCH 2 - STA. 3795+91.76 TO STA. 3811+25.66  
 DITCH 2A - STA. 3801+95.30 TO STA. 3806+97.08  
 DITCH 2B - STA. 3812+93.86 TO STA. 3831+48.12

\* Construct offsite Ditch 2A  
 From Sta. 3801+95.30 to  
 Sta. 3806+97.08 only.  
 See Cross Sections.  
 \*\* Berm height is 2.5'  
 for Ditch 2 and 2'  
 for Ditch 2B.



TYPICAL SECTION DITCHES 4 & 4A  
 DITCH 4 - STA. 200+70.00 TO STA. 201+35.00  
 DITCH 4A - STA. 202+16.00 TO STA. 207+91.48

DATE	BY	DESCRIPTION

<b>ECdriver</b> <small>TRAFFIC ENGINEERING CONSULTANTS, P.C.</small> <small>10000 BIRCH RIDGE TRAIL, SUITE 5075, TALLAHASSEE, FL 32310-5075</small> <small>MEMBER OF RECORD: P.E. NO. 80494</small>		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID 210253-5-52-01
ENGINEER OF RECORD: P.E. NO. 80494 PROJECT NO. 2007-0001 DATE: 7/27/2007 DRAWN BY: E.C. ORLEN		TYPICAL SECTION SHEET NO. 3



PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

STR. NO.	STATION	SIZE	DESCRIPTION	BARELS	SIZE (INCHES)	LENGTH (LF)	CROSS DRAIN (RCP)		MES	STEEL CASING	DISCRETE PIPE LINER	SOD	CLASS I COMC.	FLOWABLE FILL	REMARKS
							ROUND	OTHER							
P 5-00	384+00.00	LT	Enchwall, Pipe, Enchwall	4	24	96		24"	OTHER	24"	2	CT	CT		
P 5-01	535+00.00	LT	MES, Pipe, MES	2	24	62		124				74	4,4	7,75	
P															
P															
P															
P															
P															
P															
P															
GRAND TOTAL -							PLAN QUANTITY								
							FINAL QUANTITY					74	4,4	7,75	
												74	4,4	7,75	

REVISIONS		DESCRIPTION
DATE	BY	DESCRIPTION

**ECDriver**  
 11000 W. BERRY RIDGE TRAIL  
 TALLAHASSEE, FL 32302-5075  
 CERT. OF AUTH. #3558  
 ENGINEER OF RECORD: P.E. G. BOWEN, P.E.

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY ST. JOHNS  
 FINANCIAL PROJECT ID 210253-5-52-01

SUMMARY OF  
 DRAINAGE STRUCTURES

SHEET NO. 5

**PRELIMINARY - SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007**

GENERAL NOTES

- Bench Mark data is National Geodetic Vertical Datum (NGVD 29).
- Existing utilities are to remain in place unless otherwise noted.
- The location of utilities shown in the plans are based on limited investigation techniques and should be considered approximate only. The verified locations/elevations apply only at the points shown. Interpolations between these points have not been verified. For utility symbols, see Design Standards Index Number 002.
- The contractor shall provide notice to the utility owners per Florida Statute 553.85 (1999) and 556 (1998). These statutes require that before excavations, notice be given to the utility owner a minimum of two (2) days and a maximum of five (5) days, excluding Saturdays, Sundays and legal holidays. Call Sunshine State One Call of Florida, Inc. (1-800-432-4770). Not all utility companies are members of Sunshine State One Call of Florida, Inc.
- Utility owner contact information can be located on the Individual Utility Work Schedules as shown in Section 7-II.6.3 of the FDOT Specifications.
- The FDOT District Two contact for utility locations is Mr. John Drayton (904) 360-5200.
- All utility work will be done by others.
- Any public land corner or benchmark within the limits of construction is to be protected. If a corner monument or benchmark is in danger of being destroyed and has not been properly referenced, the Project Administrator shall notify the District Location Surveyor, without delay, by telephone at (386)-961-7088.
- No standard references for § SR 207 are located in the plans; however, descriptions and coordinates to Traverse/Control Points and § stations are located in the Coordinate Data Table on this sheet so that § SR 207 can be established.
- Existing drainage structures within construction limits shall remain unless otherwise noted in the plans.
- Any known or suspected hazardous material found on the project by the Contractor shall be immediately reported to the Project Administrator, who shall direct the Contractor to protect the area of discovery. The Contractor shall be responsible for the removal of hazardous material. The Contractor shall not return to the area of contamination until approval is provided by the Project Administrator; the DDC will advise the Project Administrator.
- The Contractor shall conform to FDOT Standard Index 102 for erosion control methods. Erosion control items shall be placed as indicated in the plans or as directed by the Project Administrator.
- All erosion control items and survey stakes shall be removed by the contractor at the completion of the contract unless otherwise directed by the Project Administrator.
- Sod Type shall be common Bermuda.
- Sod shall be placed within 48 hours of any completed spherulized area to prevent erosion.
- All lanes must be reopened to normal traffic within 12 hours of notice of excavation due to a hurricane or any other catastrophic event and shall remain open for the duration of the excavation or event as directed by the Project Administrator.
- All projects requiring well-pointing or other pumping of ground water or surface water will need to be coordinated with the District Construction Environmental Manager at (386) 961-7882 in order to assure all aspects of the Florida Department of Environmental Protection Generic Permit for Stormwater Discharge from Large and Small Construction Activities requirements are met. It is the contractor's responsibility to permit any discharge of ground water under FDEP's Generic Permit for the Discharge of Produced Ground Water from Any Non-Contaminated Site Activity. When using dewatering pumps avoid direct discharge into surface waters or wetlands; discharge water should be allowed to percolate into the ground.
- Prevention, control, and abatement of erosion control and water pollution shall be performed as stated in section 604 of the specifications.
- In areas where the existing pavement is to be removed for the replacement or removal of pipe culverts, the pavement shall be restored according to specifications and shall sufficiently support vehicular loads. Flowable Fill may be used as backfill at all cross drains.

**COORDINATE DATA**

CURVE NUMBER	STATION	OFFSET	DESCRIPTION	COORDINATES	
				NORTH	EAST
			TRAVERSE/CONTROL POINTS		
	3760+48.95	72.78' RT	AB. WITH CAP - TRAV. - LB *2648"	1983209.1300	522975.9460
	3765+90.22	72.10' RT	AB. WITH CAP - TRAV. - LB *2648"	1983642.1640	523340.2880
	3770+80.66	72.30' RT	AB. WITH CAP - TRAV. - LB *2648"	1984070.4450	523719.1920
	3775+90.76	72.50' RT	AB. WITH CAP - TRAV. - LB *2648"	1984516.0760	524102.8380
	3780+97.94	68.12' RT	AB. WITH CAP - TRAV. - LB *2648"	1984961.0290	524478.8560
	3785+93.97	69.82' RT	AB. WITH CAP - TRAV. - LB *2648"	1985402.1990	524854.8720
	3791+10.70	66.22' RT	AB. WITH CAP - TRAV. - LB *2648"	1985846.5590	525231.9080
	3796+26.56	121.49' RT	AB. WITH CAP - TRAV. - LB *2648"	1986270.2280	525602.8850
	3801+37.73	66.81' RT	AB. WITH CAP - TRAV. - LB *2648"	1986719.5000	525975.2480
	3806+36.70	66.14' RT	AB. WITH CAP - TRAV. - LB *2648"	1987172.0950	526346.9180
	3811+32.22	66.59' RT	AB. WITH CAP - TRAV. - LB *2648"	1987622.0940	526713.0800
	3816+34.92	180.48' LT	AB. WITH CAP - TRAV. - LB *2648"	1988075.5140	527078.5050
	3821+34.36	67.80' RT	AB. WITH CAP - TRAV. - LB *2648"	1988520.3620	527443.3720
	3826+34.01	62.23' LT	AB. WITH CAP - TRAV. - LB *2648"	1988976.7300	527807.6170
	3831+35.21	324.52' LT	AB. WITH CAP - TRAV. - LB *2648"	1989432.4540	528171.3190
	3836+34.60	65.12' RT	AB. WITH CAP - TRAV. - LB *2648"	1989889.1240	528534.5660
	3841+34.94	63.12' RT	AB. WITH CAP - TRAV. - LB *2648"	1990346.2620	528897.3190
	3846+35.62	66.22' RT	AB. WITH CAP - TRAV. - LB *2648"	1990803.9580	529260.5660
	3851+33.08	0.79' RT	AB. WITH CAP - TRAV. - LB *2648"	1991261.4410	529623.2110
			CENTERLINE POINTS		
CL2	(PC) 37+48+28.97	0.00'	CURVE CLR PC FOR § SR 207	1982289.3453	522104.2611
CL2	(PT) 37+57+04.09	N/A	CURVE CLR PT FOR § SR 207	1982891.5293	522139.2447
CL2	(PT) 37+65+45.76	0.00'	CURVE CLR PT FOR § SR 207	1983443.4362	518164.7467
CL3	(PT) 38+14+46.92	0.00'	CURVE CLR PT FOR § SR 207	1987919.1944	525541.9768
CL3	(PT) 38+27+40.51	N/A	CURVE CLR PT FOR § SR 207	1989049.2845	526171.8224
CL3	(PT) 38+39+50.96	0.00'	CURVE CLR PT FOR § SR 207	1989653.8710	527120.5852
CR 207-1	(PC) 38+42.50	0.00'	BEGINNING OF CR 207	1987732.3956	525437.2562
CR 207-1	(PT) 38+45.25	0.00'	CURVE CR 207-1 PC FOR § CR 207	1987622.9457	525382.9300
CR 207-1	(PT) 38+49.29	N/A	CURVE CR 207-1 PT FOR § CR 207	1987842.8166	525239.6466
CR 207-1	(PT) 38+53.81	0.00'	CURVE CR 207-1 PT FOR § CR 207	1988002.2645	525278.1878
CR 207-2	(PT) 53+26.78	0.00'	CURVE CR 207-2 PC FOR § CR 207	1988015.8395	525281.0461
CR 207-2	(PT) 53+39.85	N/A	CURVE CR 207-2 PT FOR § CR 207	1988651.2123	525435.0465
CR 207-2	(PT) 54+52.69	0.00'	CURVE CR 207-2 PT FOR § CR 207	1988769.2223	526674.0319

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID 210253-5-52-01		GENERAL NOTES	SHEET NO. 6
ROAD NO. SR 207	COUNTY ST. JOHNS	PROJECT NO. 210253-5-52-01			
DATE	DESCRIPTION	DATE	DESCRIPTION		
REVISIONS	DESCRIPTION	DATE	DESCRIPTION		

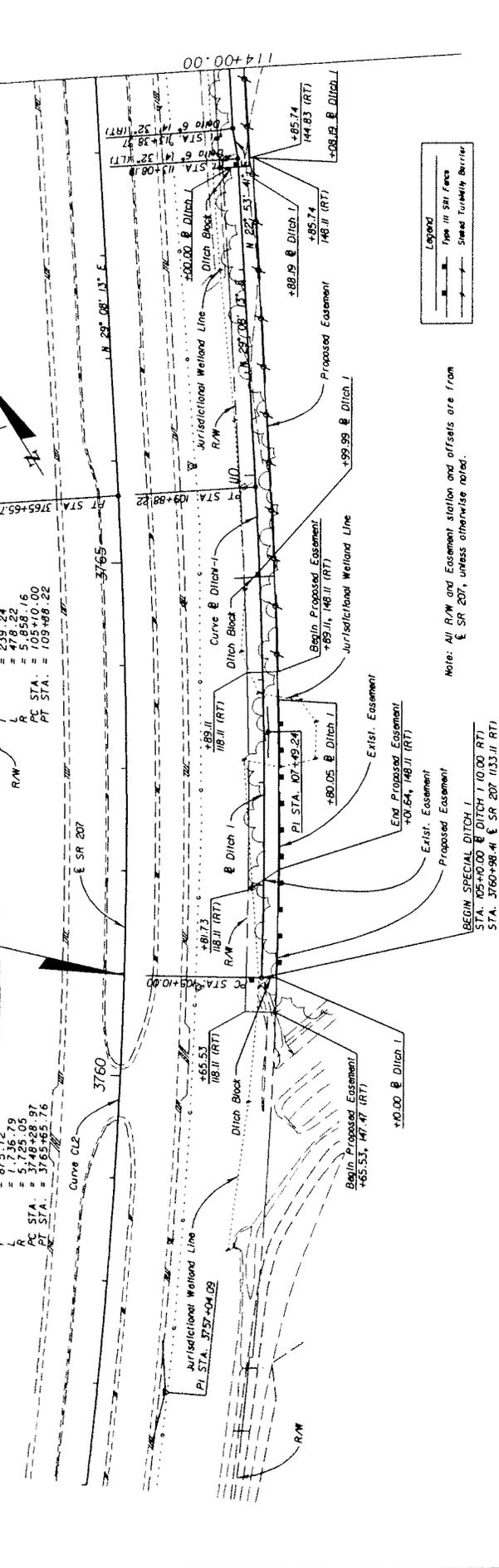
**ECDriver**  
THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL AGENCIES.  
 ENGINEER OF RECORD: P.E. NO. 65246  
 JOHN J. JOHNSON, P.E.

PRELIMINARY - SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

CURVE DATA C1.2  
 PI STA. = 3752+04.09  
 DELTA = 17° 22' 54" (LT)  
 T = 875.12  
 R = 5179.05  
 PC STA. = 3748+28.97  
 PT STA. = 3765+65.76

BEGIN PROJECT  
 BEGIN CORRECTION  
 STA. 3700+98.41 @ SR 207  
 DELTA = 4° 40' 58" (RT)  
 T = 239.24  
 R = 4718.22  
 PC STA. = 105+00.00  
 PT STA. = 109+58.22

CURVE DATA BLDITCH I-1  
 PI STA. = 101+93.58 (LT)  
 DELTA = 0° 58' 41"  
 T = 47.82  
 R = 10540.00  
 PC STA. = 105+00.00  
 PT STA. = 109+58.22



Note: All R/W and Easement station and offsets are from  
 @ SR 207, unless otherwise noted.

Legend  
 --- Typ III SR Eaves  
 --- Street Turned Barrier

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION
106+00				106+00		
107+00				107+00		
108+00				108+00		
109+00				109+00		
110+00				110+00		
111+00				111+00		
112+00				112+00		
113+00				113+00		
114+00				114+00		

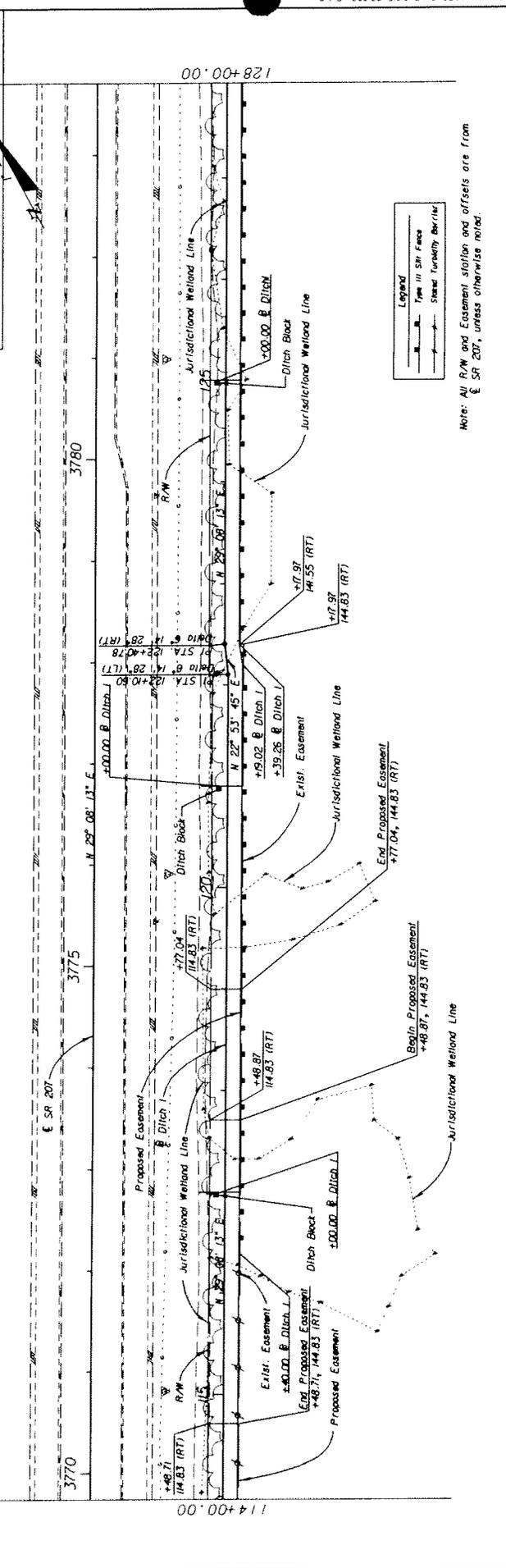
Horizontal Scale: 1" = 100'  
 Vertical Scale: 1" = 10'

**ECDriver**  
 FOR BECHTOLD TRAIL  
 TALLAHASSEE, FL 32310-0005  
 LICENSE CERT. OF MICH. #8309  
 ENGINEER OF RECORD: **James J. Johnson, P.E.**  
 P.E. NO. 8309

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID. 210253-5-52-01

PLAN-PROFILE  
 SHEET NO. 7

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
114+00			115+00		
115+00			116+00		
116+00			117+00		
117+00			118+00		
118+00			119+00		
119+00			120+00		
120+00			121+00		
121+00			122+00		
122+00			123+00		
123+00			124+00		
124+00			125+00		
125+00			126+00		
126+00			127+00		
127+00			128+00		

Horizontal Scale: 1" = 100'  
 Vertical Scale: 1" = 10'

STATES OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID 210253-5-52-01

**ECDriver**  
 ENGINEER OF RECORD: P.E. G. BOON  
 PROJECT MANAGER: P.E. BOON

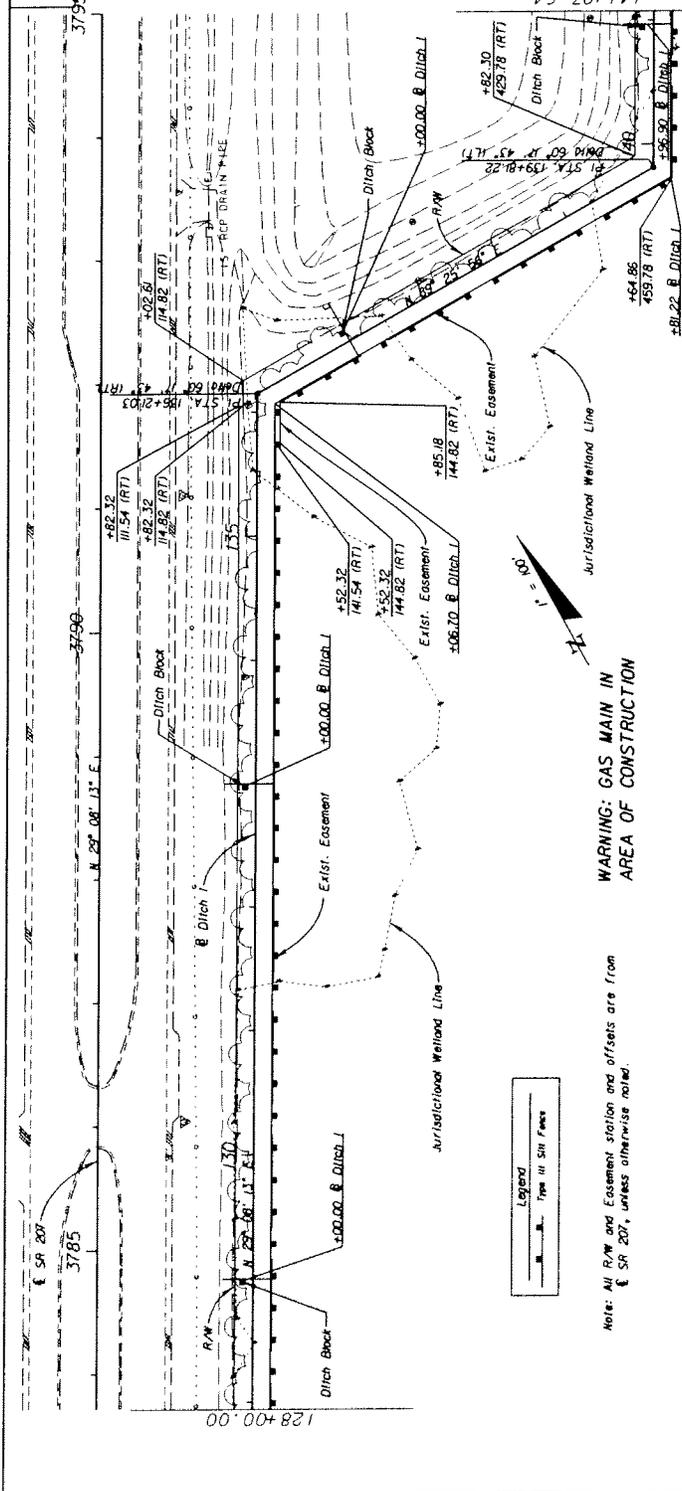
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PLAN-PROFILE

SHEET NO. 8

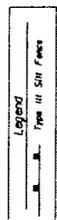
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PRELIMINARY, SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007



WARNING: GAS MAIN IN  
AREA OF CONSTRUCTION

Note: All R/W and Easement station and offsets are from  
SR 207, unless otherwise noted.



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION
				128+00		
				129+00		
				130+00		
				131+00		
				132+00		
				133+00		
				134+00		
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				139+00		
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				141+00		

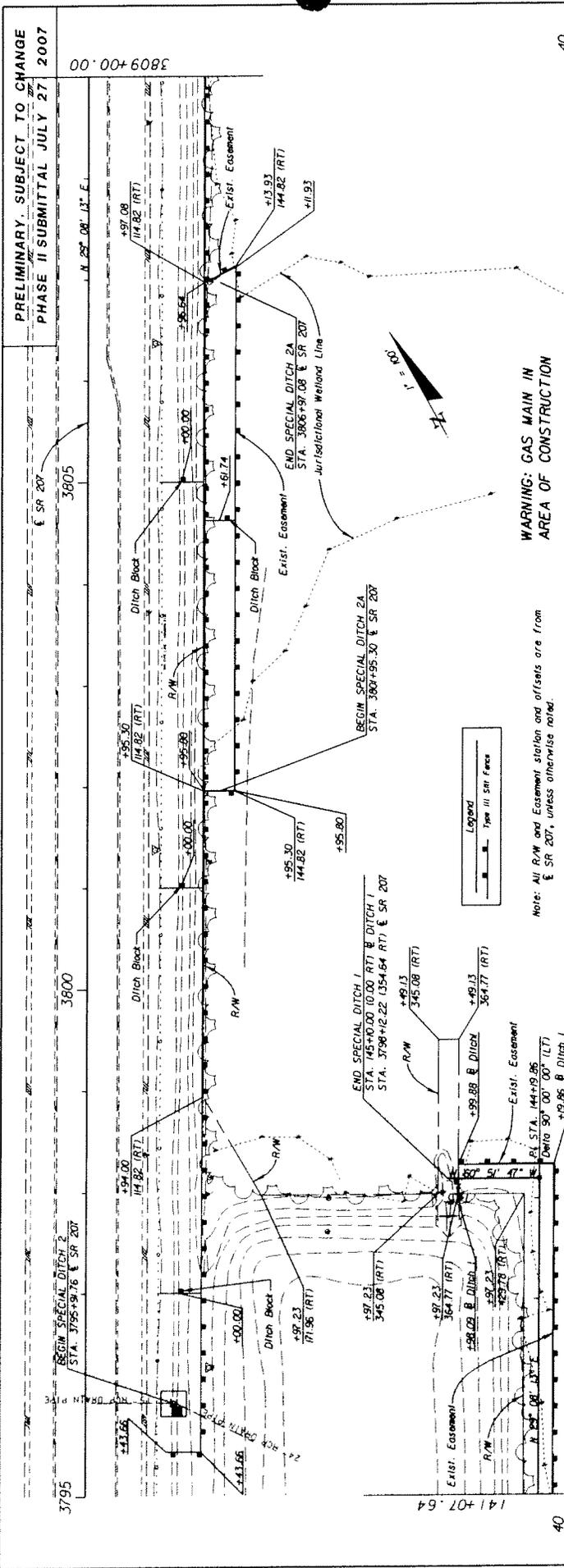
Horizontal Scale: 1" = 100'		Vertical Scale: 1" = 10'	
PLAN-PROFILE			
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	
 <small>FOR BEEN ROSE TRAIL TALLAHASSEE, FL 32312-3075 CERT. OF REG. #8308</small>		<small>JOHN J. GARDNER, P.E.</small> <small>ENGINEER OF RECORD: P.E. RD. 30509</small>	
DATE	BY	DATE	BY

1/27/07 2:59:14 PM C:\PROJECTS\SR207\PH3\PP3.DWG E.C. ORNER

SHEET NO. 9

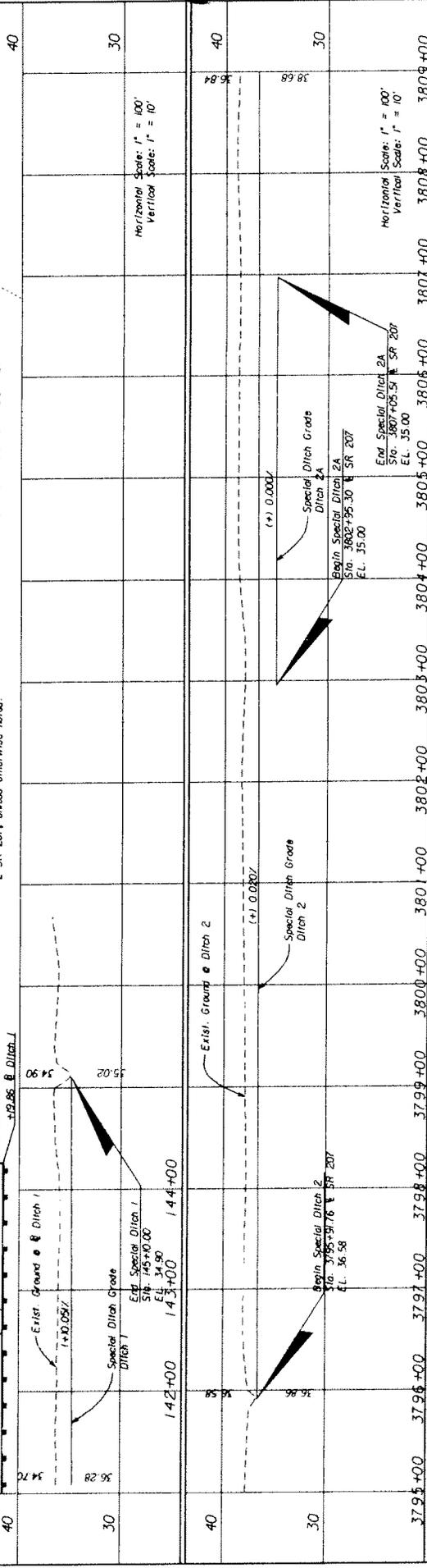
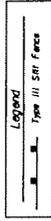
PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

3809+00.00



WARNING: GAS MAIN IN  
 AREA OF CONSTRUCTION

Note: All R/W and Easement station and offsets are from  
 SR 207, unless otherwise noted.

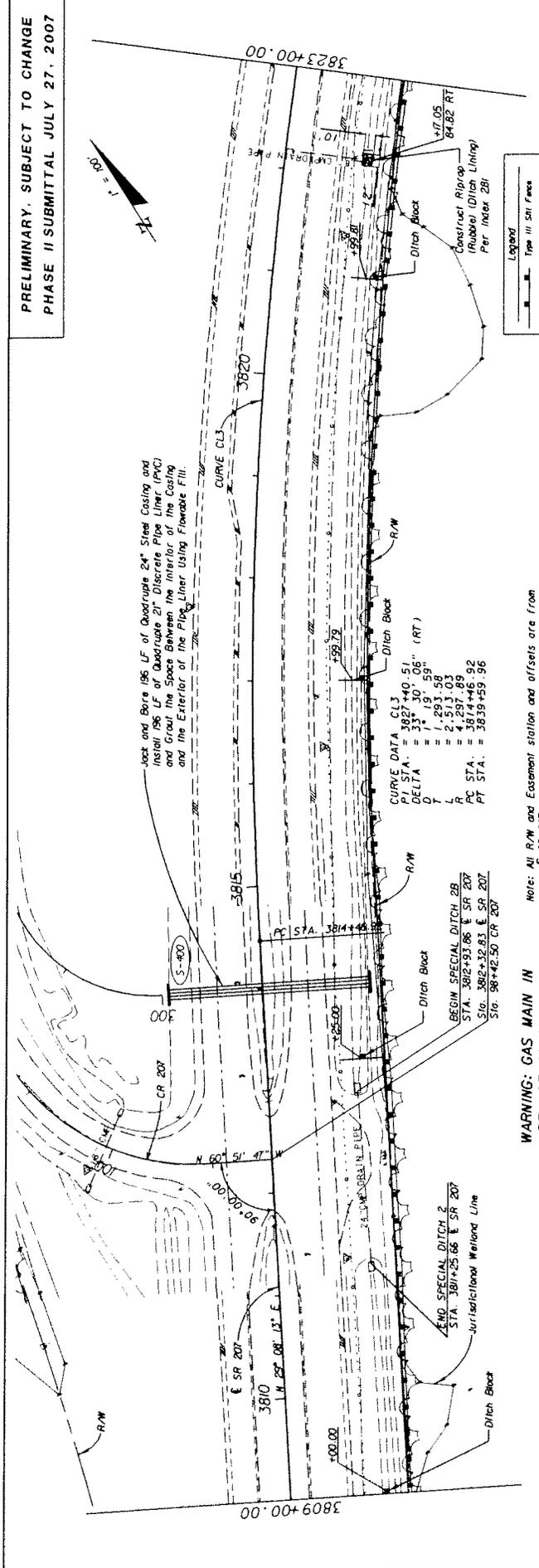


DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

<b>ECDriver</b>		STATE OF FLORIDA
ENGINEER OF RECORD: JAMES J. JOHNS, P.E., No. 85296	DEPARTMENT OF TRANSPORTATION	
PROJECT NO. SR 207	COUNTY: ST. JOHNS	FINANCIAL PROJECT ID: 210253-5-52-01

3795+00	3796+00	3797+00	3798+00	3799+00	3800+00	3801+00	3802+00	3803+00	3804+00	3805+00	3806+00	3807+00	3808+00	3809+00
PLAN-PROFILE														
SHEET NO. 10														

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



WARNING: GAS MAIN IN  
 AREA OF CONSTRUCTION

Note: All R/W and Easement station and offsets are from  
 E SR 207, unless otherwise noted.

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION
3809+00				3811+00		
3810+00		End Special Ditch 2 Sta: 3811+25.66 E SR 207 El: 36.88		3812+00		
3811+00		Exist. Ground e Ditch 2 36.88		3813+00		
3812+00				3814+00		
3813+00				3815+00		
3814+00		Exist. Ground e Ditch 2B 36.92		3816+00		
3815+00				3817+00		
3816+00		QUADRUPLE 24" STEEL CASING WITH QUADRUPLE 21" PIPE LINER FL 34.50		3818+00		
3817+00				3819+00		
3818+00		Begin Special Ditch 2B Sta: 3822+59.86 E SR 207 El: 36.92		3820+00		
3819+00				3821+00		
3820+00		Special Ditch Grade Ditch 2B		3822+00		
3821+00				3823+00		
3822+00						
3823+00						
3824+00						
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3826+00						
3827+00						
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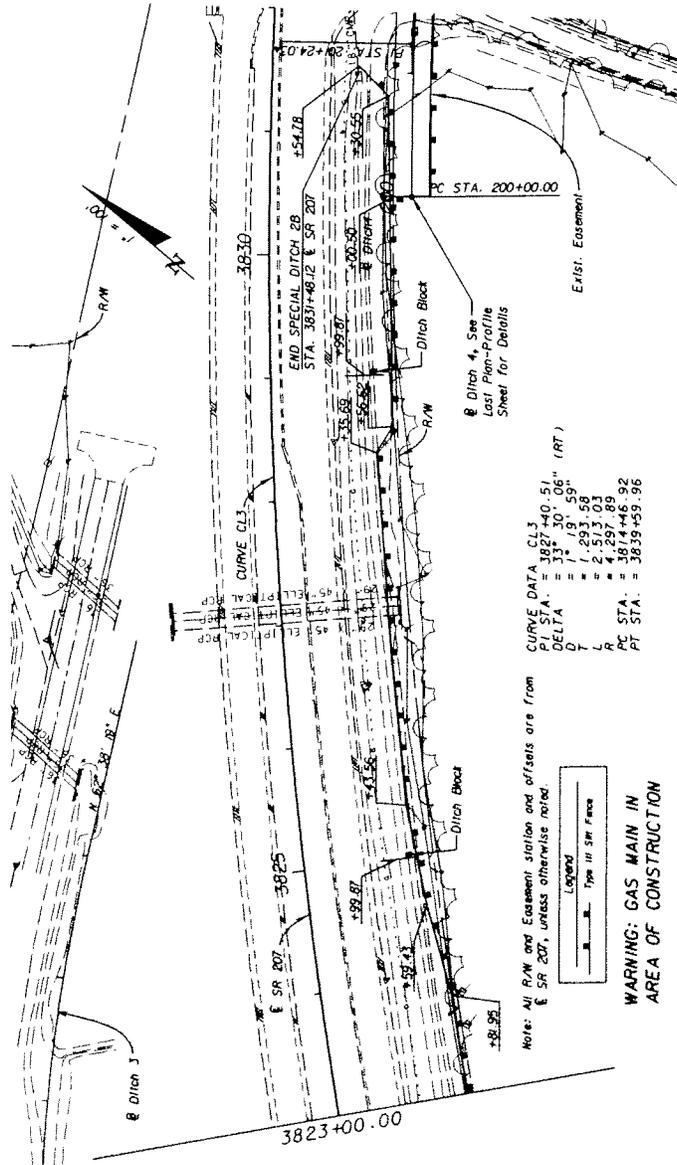
PLAN-PROFILE

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207 COUNTY ST. JOHNS  
 FINANCIAL PROJECT ID 210253-5-52-01

ENGINEER OF RECORD: James J. Johnson, P.E.  
 ADDRESS: 1727 W. 82nd St.  
 TALLAHASSEE, FL 32312-5075  
 PHONE: 904.253.1234  
 FAX: 904.253.1234

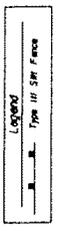
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHALL BE THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60S-23.003, F.A.C.

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 PHASE II SUBMITTAL JULY 27, 2007

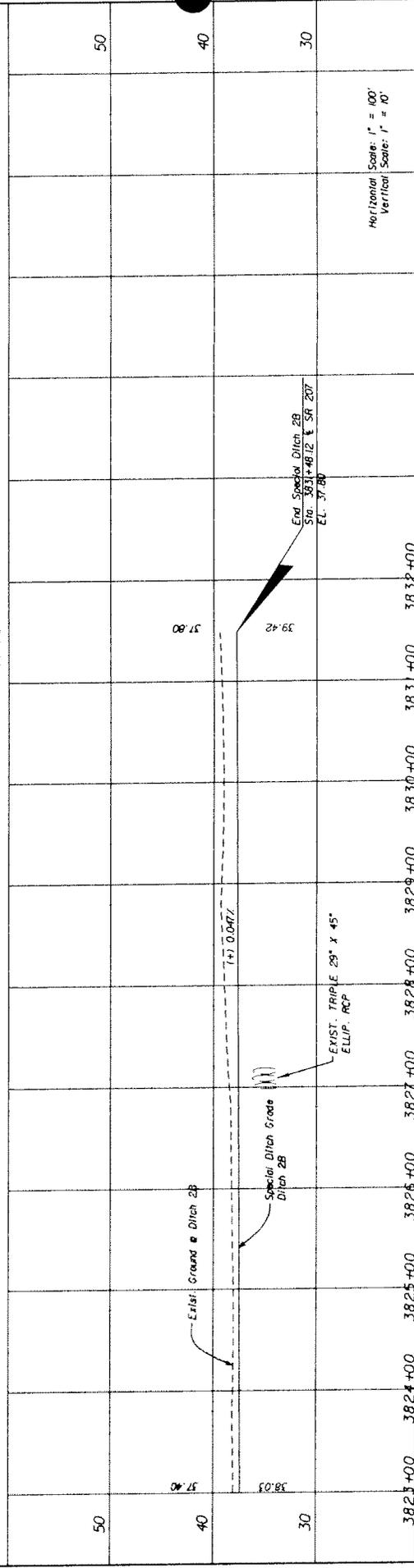


Curve Data CL3  
 PT STA. = 3827+40.51  
 DELTA = 72° 19' 59" (RT)  
 L = 1,293.58  
 R = 2,513.03  
 PC STA. = 3827.89  
 PT STA. = 3833+93.96

Note: All R/W and Easement station and offsets are from  
 E SR 207, unless otherwise noted.



WARNING: GAS MAIN IN  
 AREA OF CONSTRUCTION



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATES OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

EGDriver		ENGINEER OF RECORD	
FOR BESCH ROSE TRAIL		ST. JOHNS, FL 32022-8875	
LICENSED PROFESSIONAL ENGINEER		CERT. NO. 10000	
Name: J. JOHNS, P.E.		F.L. No. 46838	

PLAN-PROFILE

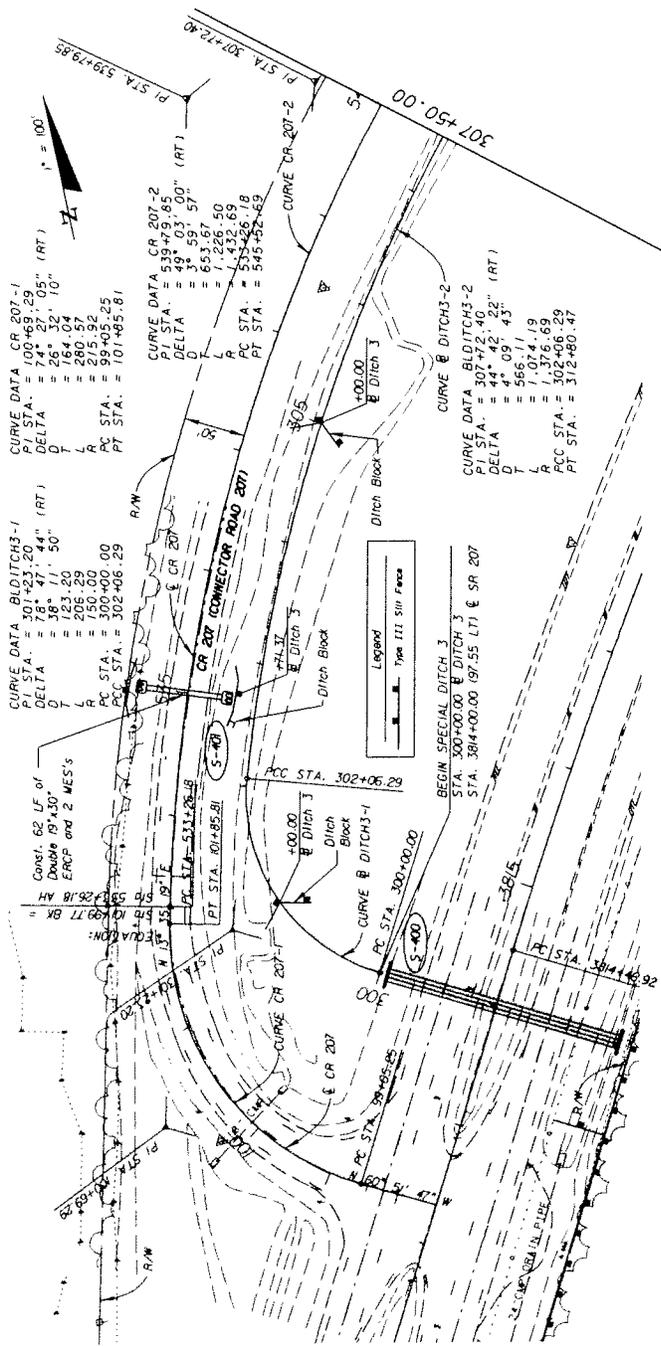
SHEET NO.

12

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6B15-23.003, F.A.C.

7/27/07 2:06:32 PM C:\20253533\roadmap\plan\profile.dwg E.C. DRIVER

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



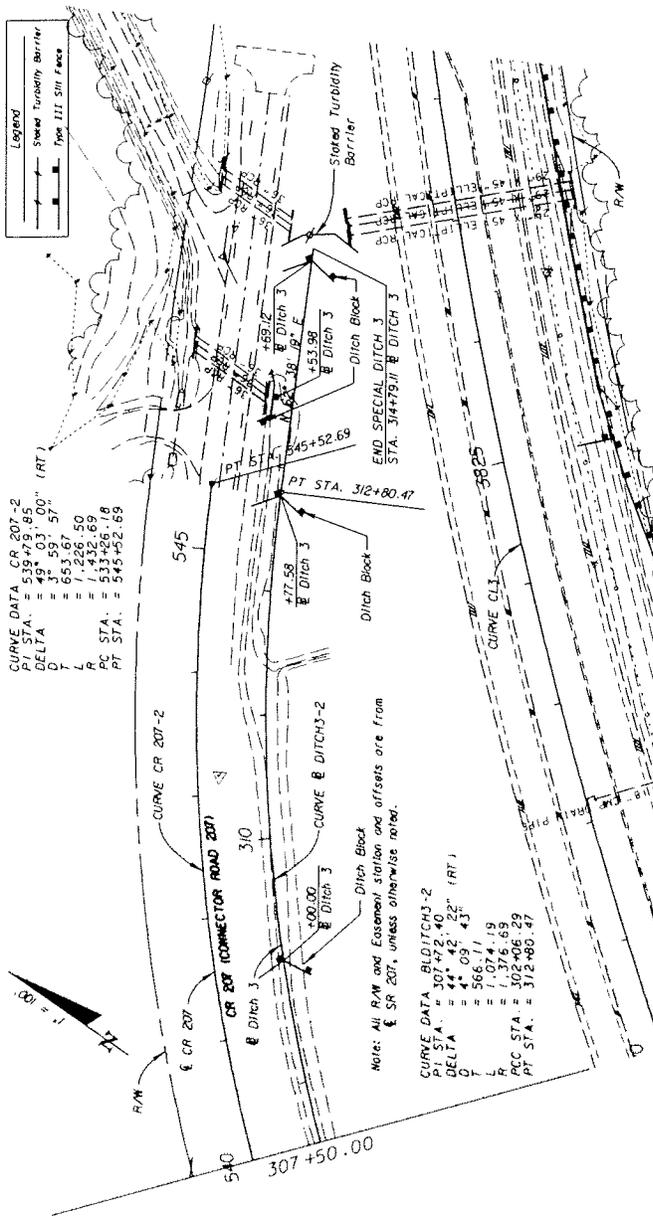
DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION	STATION	STATION	
							300+00	301+00	
							302+00	303+00	
							304+00	305+00	
							306+00	307+00	
40							300+00	307+00	
30							300+00	307+00	
20							300+00	307+00	
Horizontal Scale: 1" = 100' Vertical Scale: 1" = 10'									

176 BEACH ROSS FIRM  
 TALLAHASSEE, FL 32312-8075  
 ENGINEER OF RECORD P.E.

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. COUNTY COUNTY FINANCIAL PROJECT ID  
 SR 207 ST. JOHNS 210253-5-52-01

ENGINEER OF RECORD: P.E. JAMES J. JENNISON, P.E.  
 DATE: 7/27/2007  
 SHEET NO. 13  
 L:\210253\5204\1000000\PLAN\PROF2.DWG

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	308+00	309+00	310+00	311+00	312+00	313+00	314+00
40		Exist. Ground @ Ditch 3	33.99						
30		Special Ditch Grade Ditch 3							
20		EXIST. TRIPLE 36 RCP							
		End Special Ditch 3 Sta. 314+79.11 EL. 33.50							

Horizontal Scale: 1" = 100'  
 Vertical Scale: 1" = 10'

STATES OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID 210253-5-52-01

**EGDriver** 780 GREEN ROSE TRAIL TALLAHASSEE, FL 32312-9075  
 ENGINEER OF RECORD: P.E. #00000000

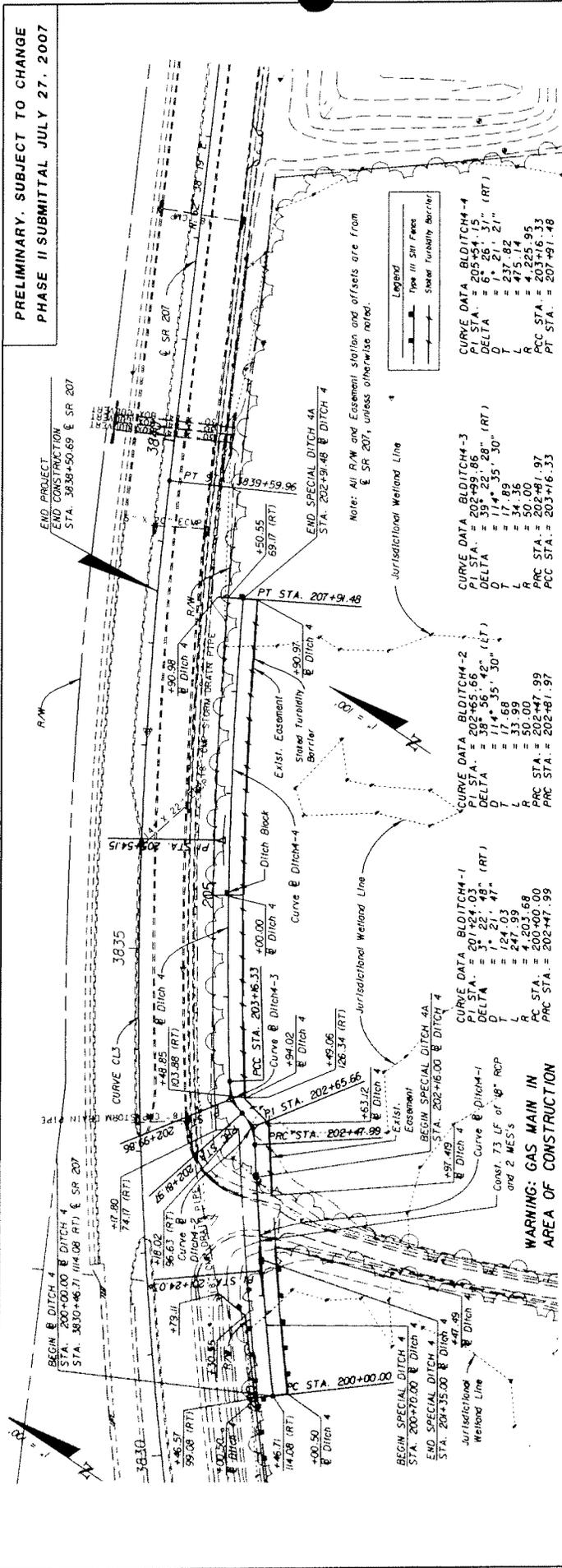
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**PLAN-PROFILE**

SHEET NO. 14

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-21.003, F.A.C.

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



STATION	DESCRIPTION	DATE	BY
200+00	BEGIN SPECIAL DITCH 4 Sta. 200+00.00 EL. 36.00		
201+00	BEGIN SPECIAL DITCH 4 Sta. 201+00.00 EL. 36.10		
202+00	BEGIN SPECIAL DITCH 4 Sta. 202+00.00 EL. 36.00		
203+00	BEGIN SPECIAL DITCH 4 Sta. 203+00.00 EL. 35.94		
204+00	BEGIN SPECIAL DITCH 4 Sta. 204+00.00 EL. 35.94		
205+00	BEGIN SPECIAL DITCH 4 Sta. 205+00.00 EL. 35.94		
206+00	BEGIN SPECIAL DITCH 4 Sta. 206+00.00 EL. 35.94		
207+00	BEGIN SPECIAL DITCH 4 Sta. 207+00.00 EL. 35.60		

REVISIONS		DATE	BY

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	PROJECT NO.	FINANCIAL PROJECT ID
SR 207	ST. JOHNS	210253-5-52-01	

ENGINEER OF RECORD: **ECDriver**  
 TERRY W. REED, P.E.  
 TALLAHASSEE, FL 32312-8075  
 LICENSE NO. 12100  
 CERT. OF AUTH. #0000

DATE: 7/27/2007  
 DRAWN BY: E.C. DRIVER

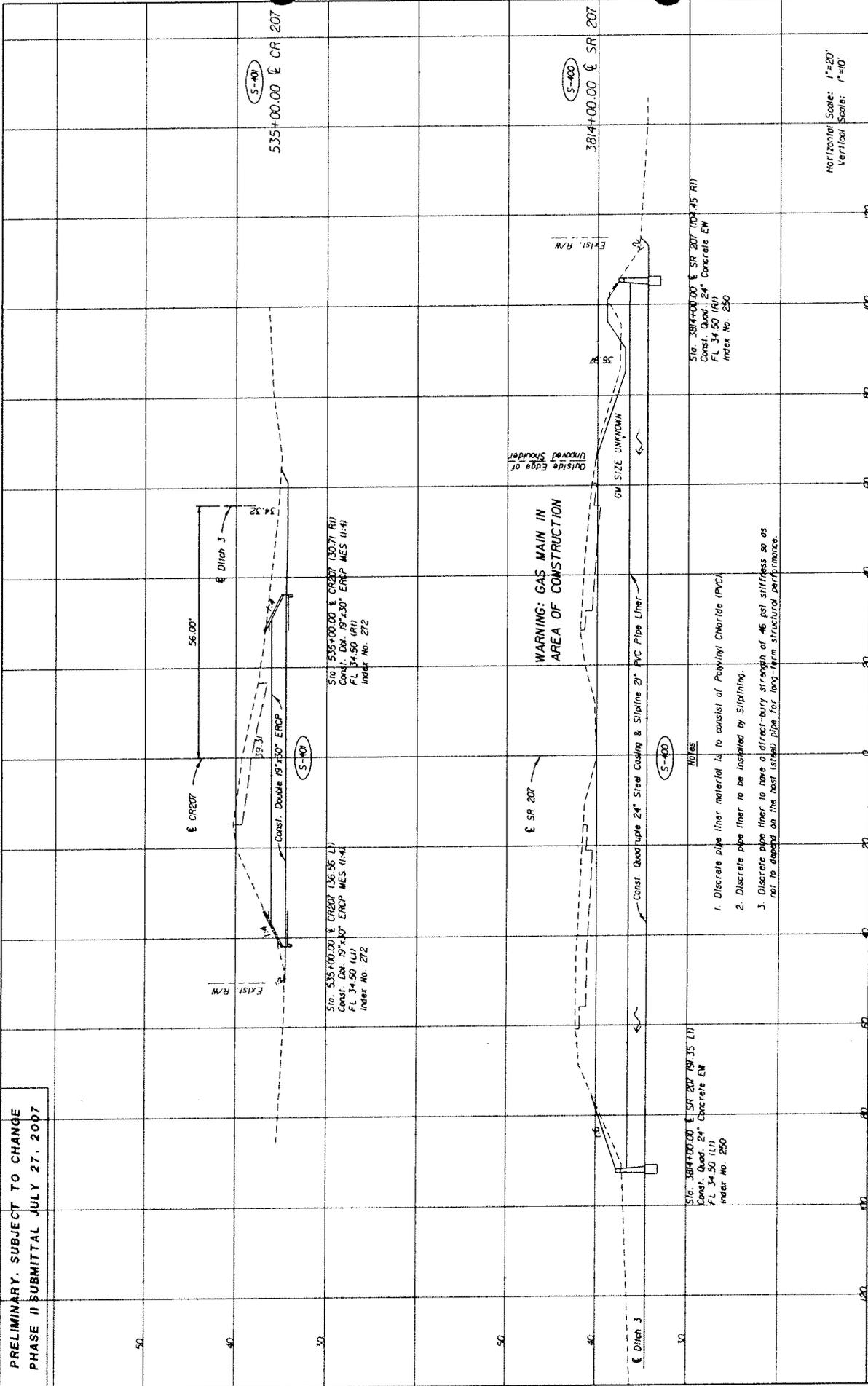
PLAN PROFILE

SHEET NO. 15

Horizontal Scale: 1" = 100'  
 Vertical Scale: 1" = 10'

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-23.003, F.A.C.

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATES OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

<b>ECDriver</b> <small>INCORPORATED</small> 14000 N. W. 11th St., Suite 100 Ft. Lauderdale, FL 33322-5075 CERT. OF AUTH. #0886		ENGINEER OF RECORD JAMES J. ANTHONY, P.E. P.E. REG. NO. 28248
--	--	---

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

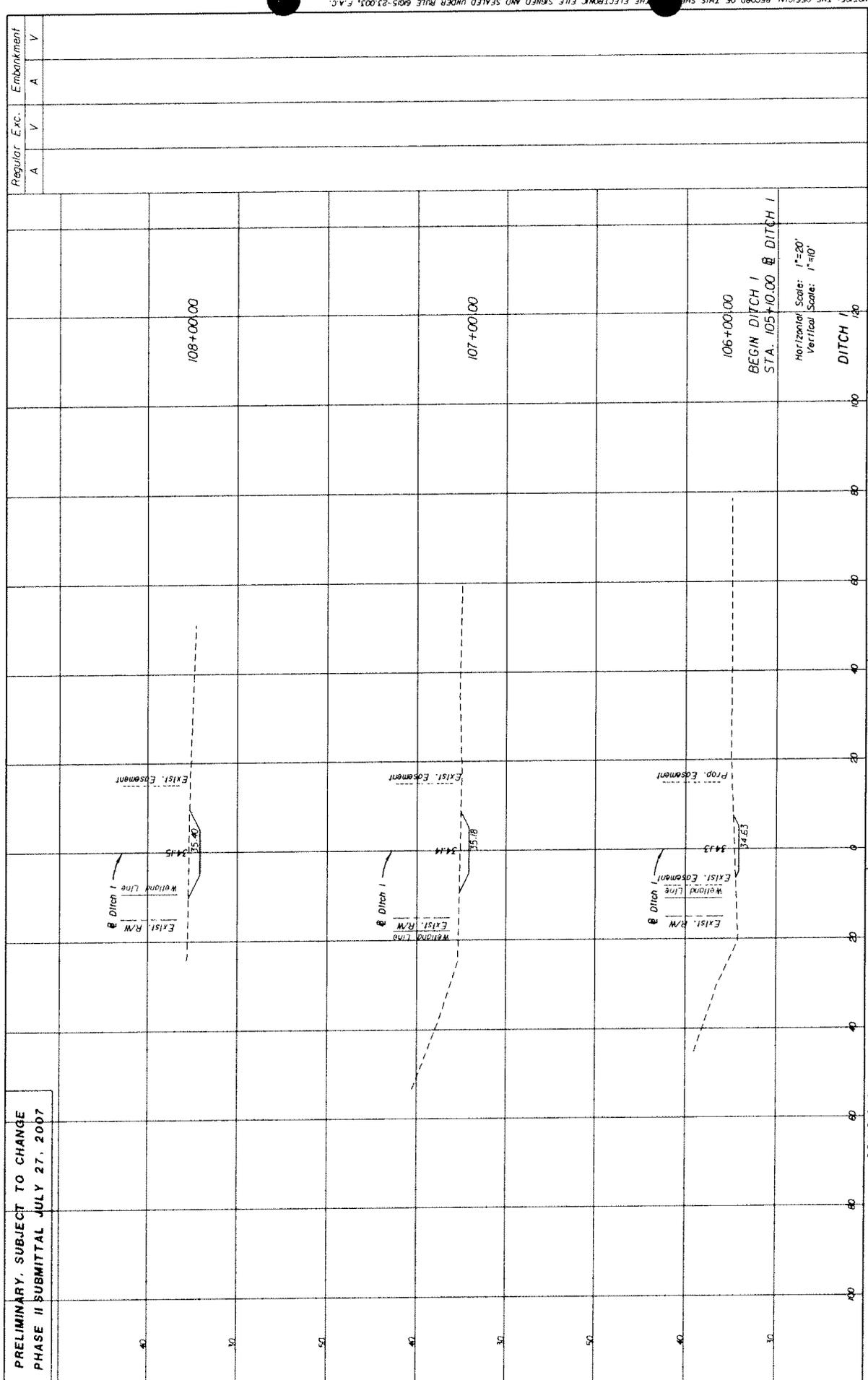
  

DRAINAGE STRUCTURES	
SHEET NO.	16

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6815-23.005, F.A.C.

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PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA		FINANCIAL PROJECT ID	
DEPARTMENT OF TRANSPORTATION		210253-5-52-01	
ROAD NO.	COUNTY	ST.	SECTION
SR 207	ST. JOHNS	5	52-01

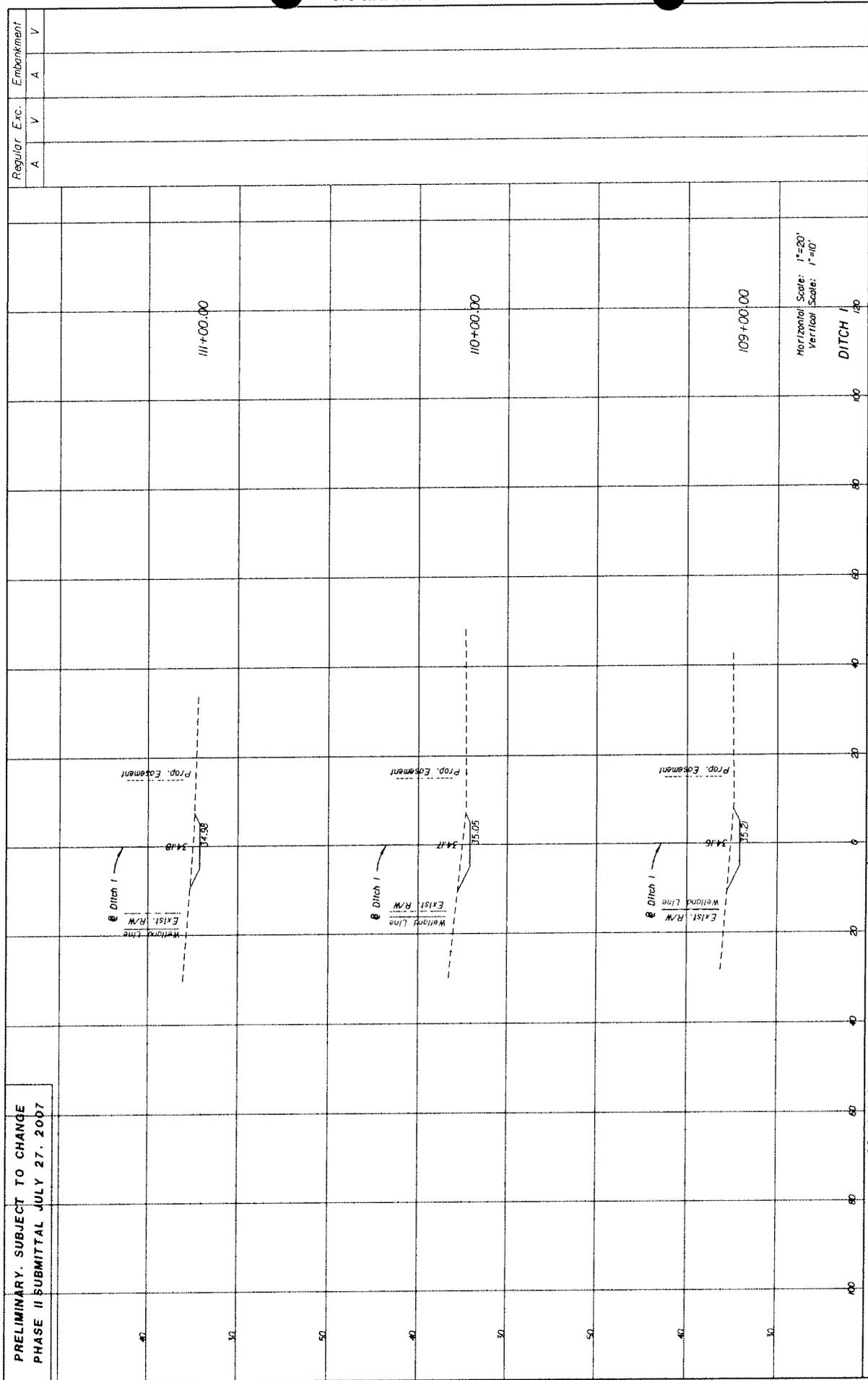
  

<b>ECDriver</b>		ENGINEER OF RECORD	
11000 N. BEACH BOULEVARD, SUITE 1000 TALLAHASSEE, FL 32312-5075 PHONE: 904.438.1100 FAX: 904.438.1101		JAMES J. JOHNS, P.E. REGISTERED PROFESSIONAL ENGINEER	

CROSS SECTIONS

SHEET NO. 17

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



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

DITCH 1

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

ENGINEER OF RECORD:	
NAME:	John J. Johnson, P.E.
P.E. NO.:	8028

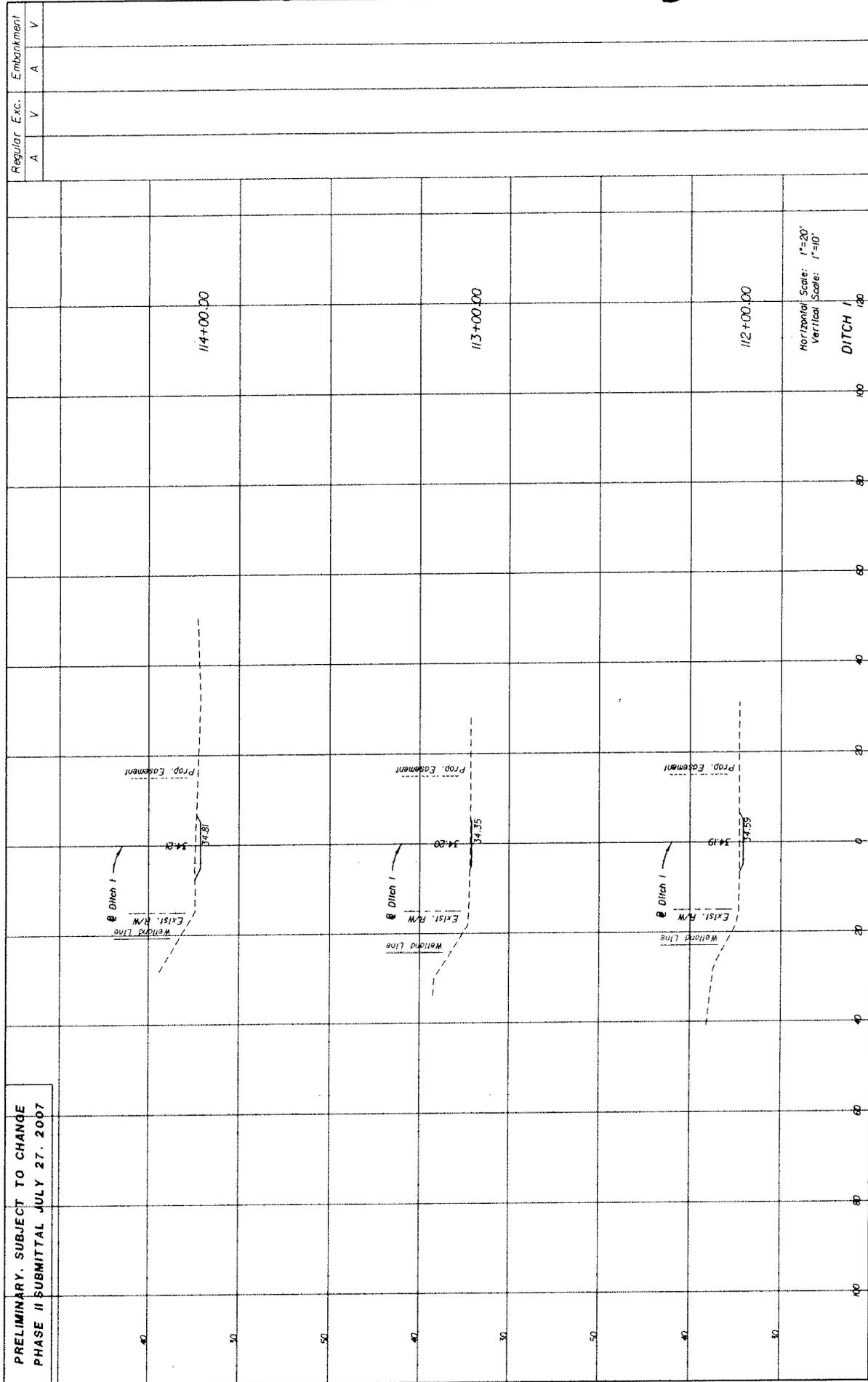
  

EC Driver  
 ENGINEER

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CROSS SECTIONS

SHEET NO. 18



**PRELIMINARY, SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007**

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 207	ST. JOHNS	210253-5-52-01

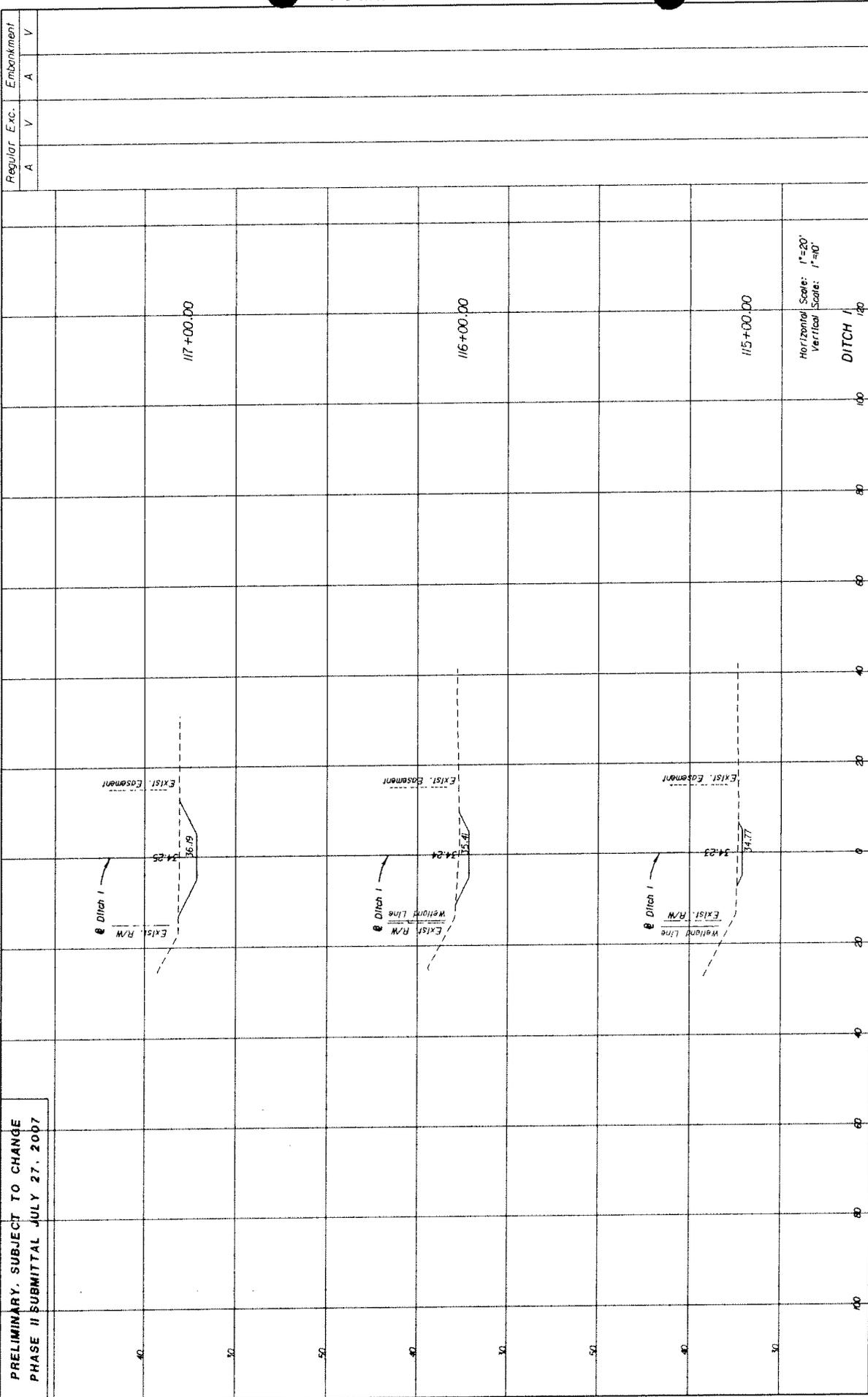
  

<b>ECDriver</b> ENGINEERING		ENGINEER OF RECORD: P.E. M. GOSWAMI
TALAMASSEE, FL 32062-9005		DATE: 7/27/2007
CERT. OF AUTH. #880		PROJECT NO. 210253-5-52-01
P.E. M. GOSWAMI		DATE: 7/27/2007

**CROSS SECTIONS**

SHEET NO. 19

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



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

DITCH 1

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 207	ST. JOHNS	210253-5-52-01

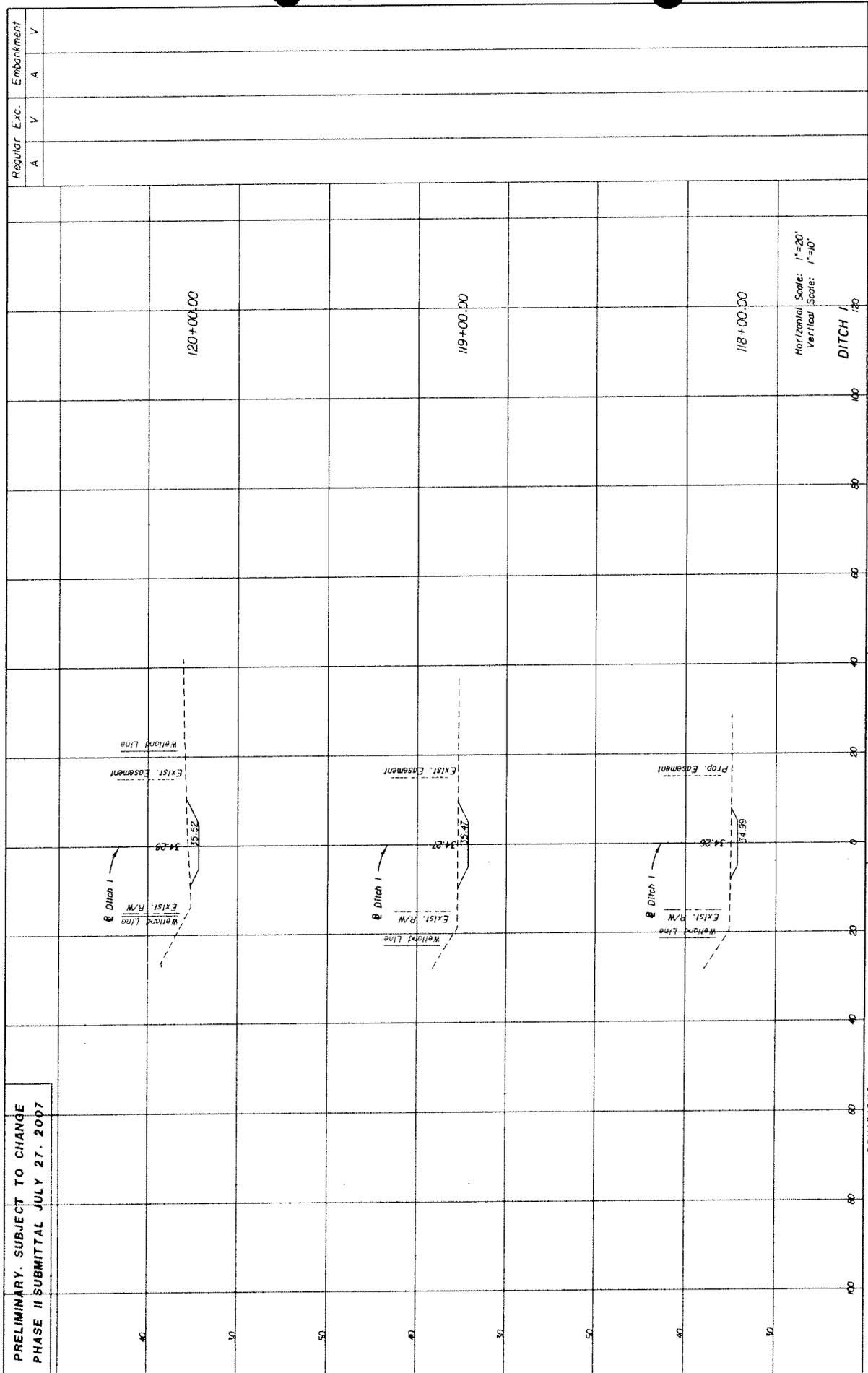
ENGINEER OF RECORD: P.E. J. J. J. J.	DATE:

**CROSS SECTIONS**

SHEET NO. 20

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



Horizontal Scale: 1"=20'  
 Vertical Scale: 1"=40'

DITCH 1

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

ENGINEER OF RECORD	

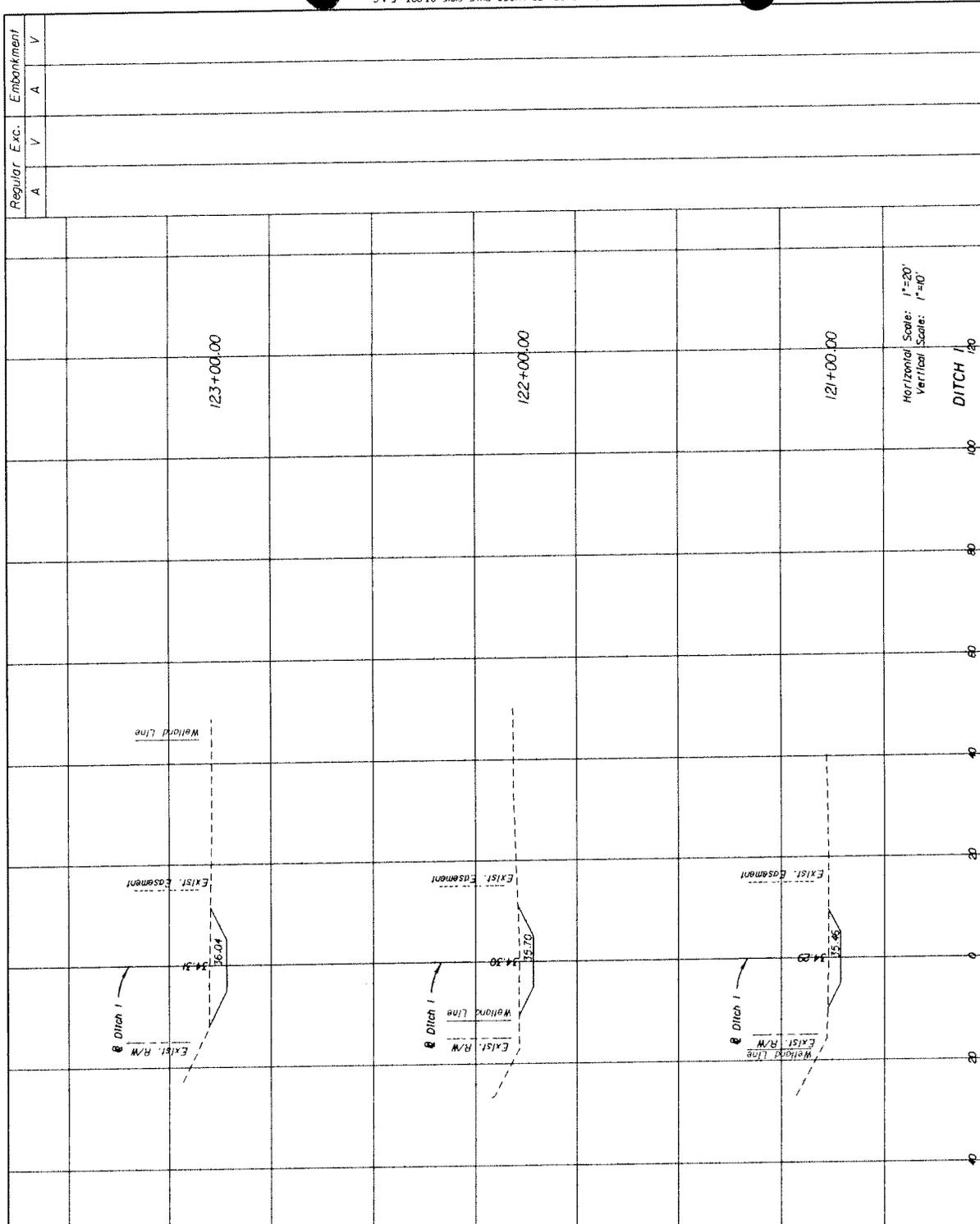
REGULAR EXC.	EMBANKMENT
A	V
V	A
V	V

**CROSS SECTIONS**

SHEET NO. 21

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



Horizontal Scale: 1"=20'  
 Vertical Scale: 1"=40'

DITCH 1

DATE	BY	DESCRIPTION	REVISIONS DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

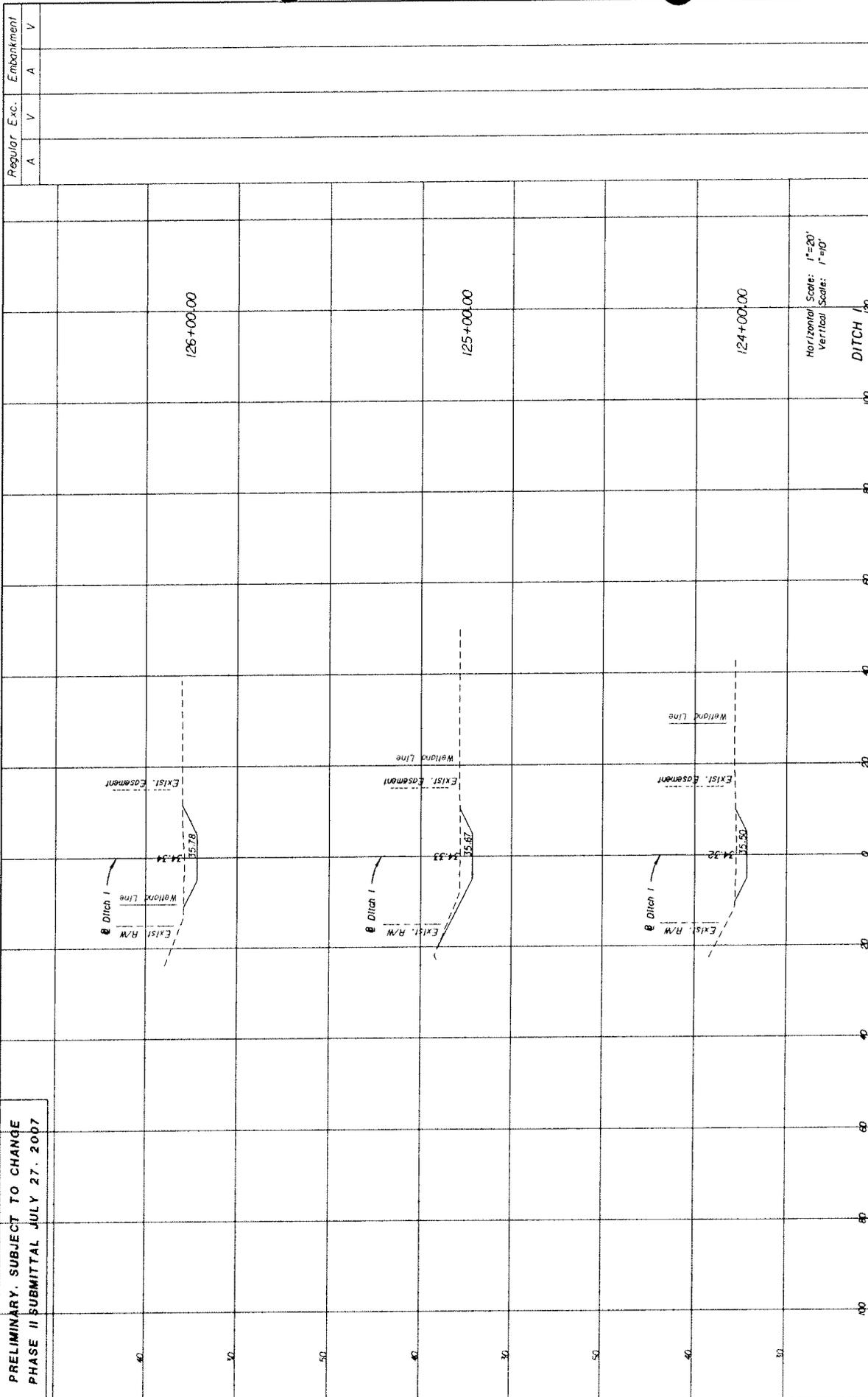
  

<b>ECDriver</b>		REGISTERED PROFESSIONAL ENGINEER	
TALLAHASSEE, FL 32302-5055		CERT. OF AUTH. #8838	
ENGINEER OF RECORD: <i>Anna J. Avonson, P.E.</i>		P.E. NO. 62546	

CROSS SECTIONS		SHEET NO.
		22

PRELIMINARY. SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION
			NO.	DESCRIPTION			

STATES OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
SR 207	210253-5-52-01
COUNTY	ST. JOHNS

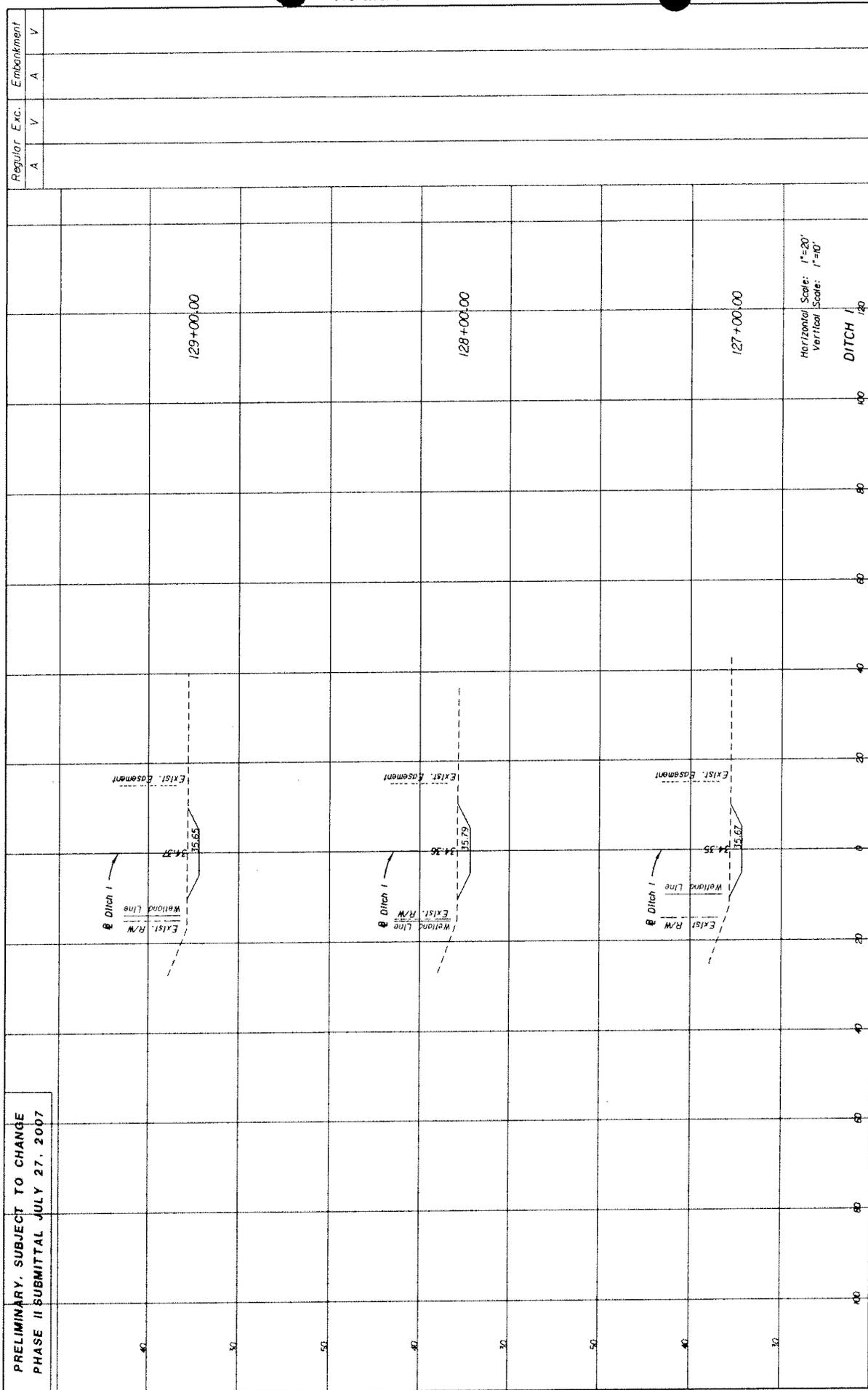
ENGINEER OF RECORD	DATE
E.C. DRIVER	7/27/07

CROSS SECTIONS	
SHEET NO.	23

**ECDriver**  
 170 BEECH RIDGE TRAIL  
 TALLAHASSEE, FL 32312-5075  
 CERT. OF AUTH. #3838  
 ENGINEER OF RECORD  
 DATE: 7/27/07

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



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

DITCH 1

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

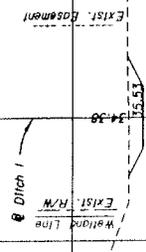
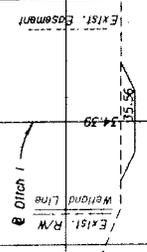
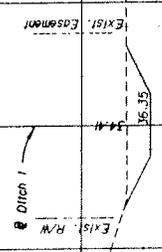
STATE OF FLORIDA		FINANCIAL PROJECT ID	
DEPARTMENT OF TRANSPORTATION	COUNTY	210253-5-52-01	
ROAD NO.	ST. JOHNS	SR 207	

<b>EGDriver</b> <small>IN RECOGNITION OF THE          FALL WASSER, FL 32036-9995          CERT. OF AUTH. #800</small> ENGINEER OF RECORD: P.E. NO. 8824 JAMES J. MANNING, P.E.	SHEET NO. <b>24</b>
---	------------------------

CROSS SECTIONS

DATE	BY	DESCRIPTION	REVISIONS		DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	Regular Exc.				Embankment						
			NO.	DATE							A	V	A	V	A	V					
<p>PRELIMINARY. SUBJECT TO CHANGE                      PHASE II SUBMITTAL JULY 27, 2007</p>																					
40																					
30																					
20																					
10																					
00																					



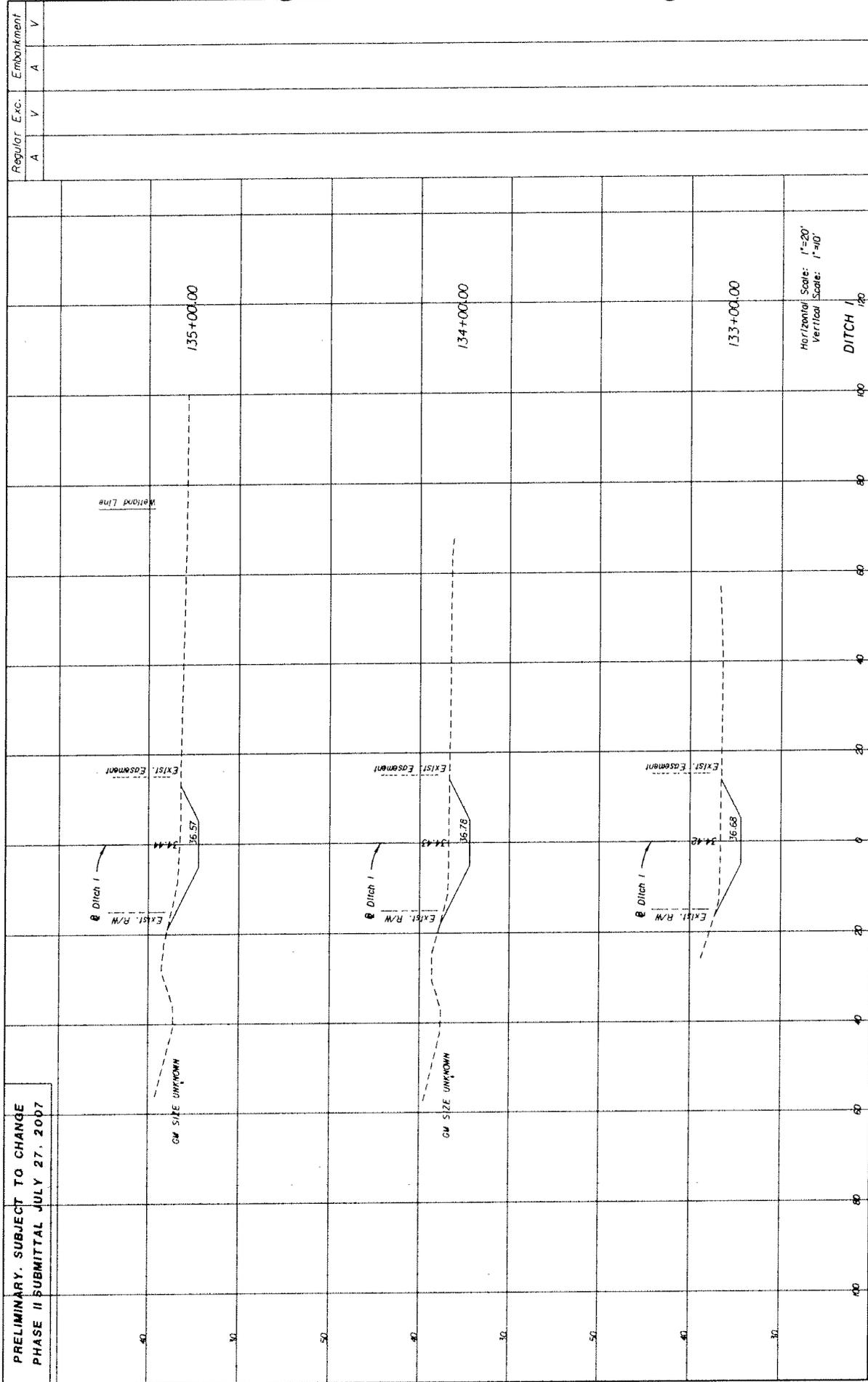
Horizontal Scale: 1"=20'  
 Vertical Scale: 1"=10'  
 DITCH 1/100

**EGDriver**  
 ENGINEER OF RECORD  
 P.E. NO. 42974

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. COUNTY FINANCIAL PROJECT ID  
 SR 207 ST. JOHNS 210253-5-52-01

CROSS SECTIONS

SHEET NO. 25



PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

<b>ECDriver</b> ENGINEER OF RECORD: P.E. J. JOHNS PROJECT NO. 210253-5-52-01		SHEET NO. 26
--	--	-----------------

1:20' HORIZ. SCALE  
 1"=10' VERT. SCALE

DITCH 1

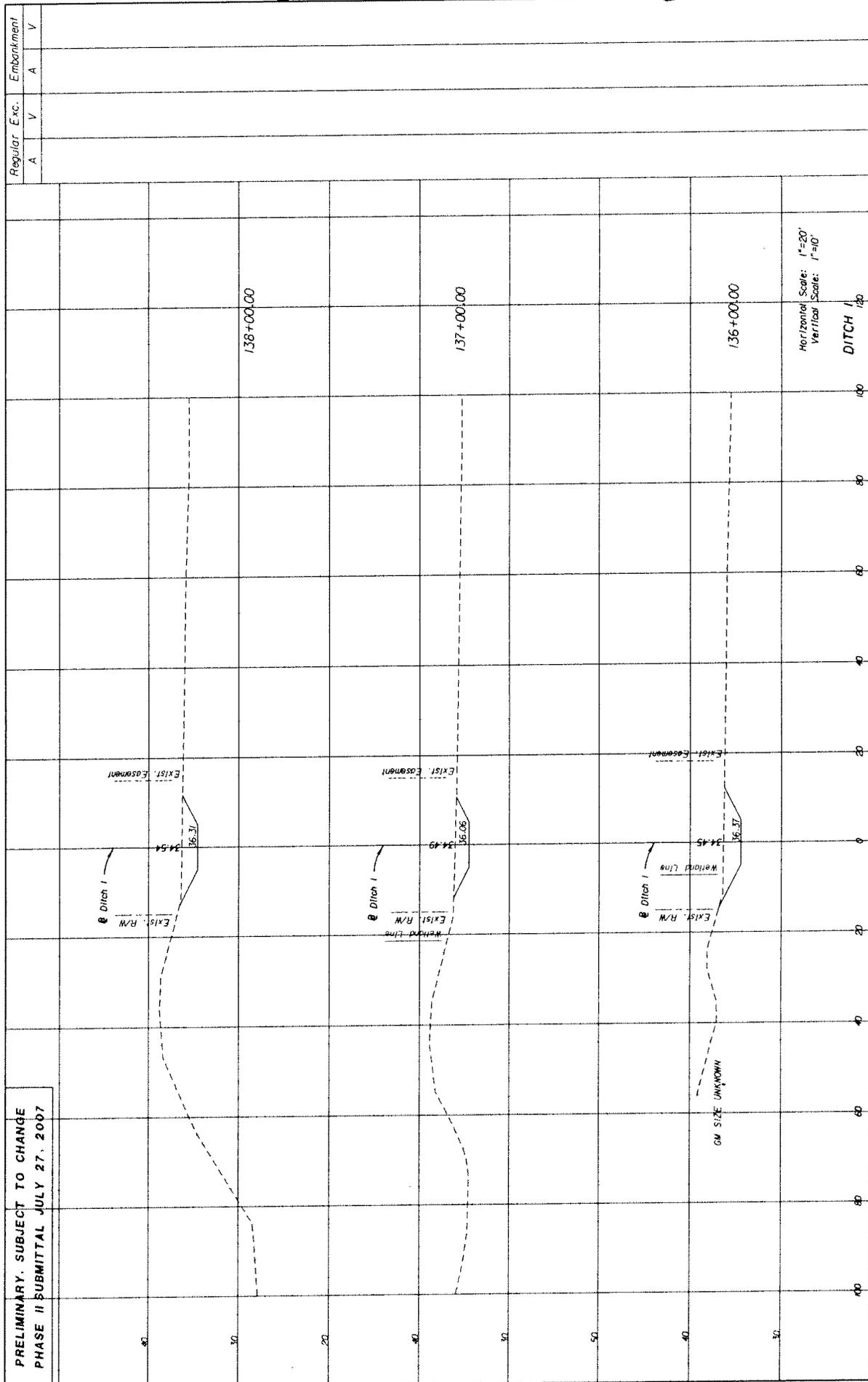
Horizontal Scale: 1"=20'  
 Vertical Scale: 1"=10'

REGULAR EXC. A V V A

EMBANKMENT A V

DATE: 7/27/07 TIME: 2:07:14 PM  
 USER: 11300515508\johans\PROJECTS\SR207.DWG

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
SR 207	210253-5-52-01
COUNTY	ST. JOHNS

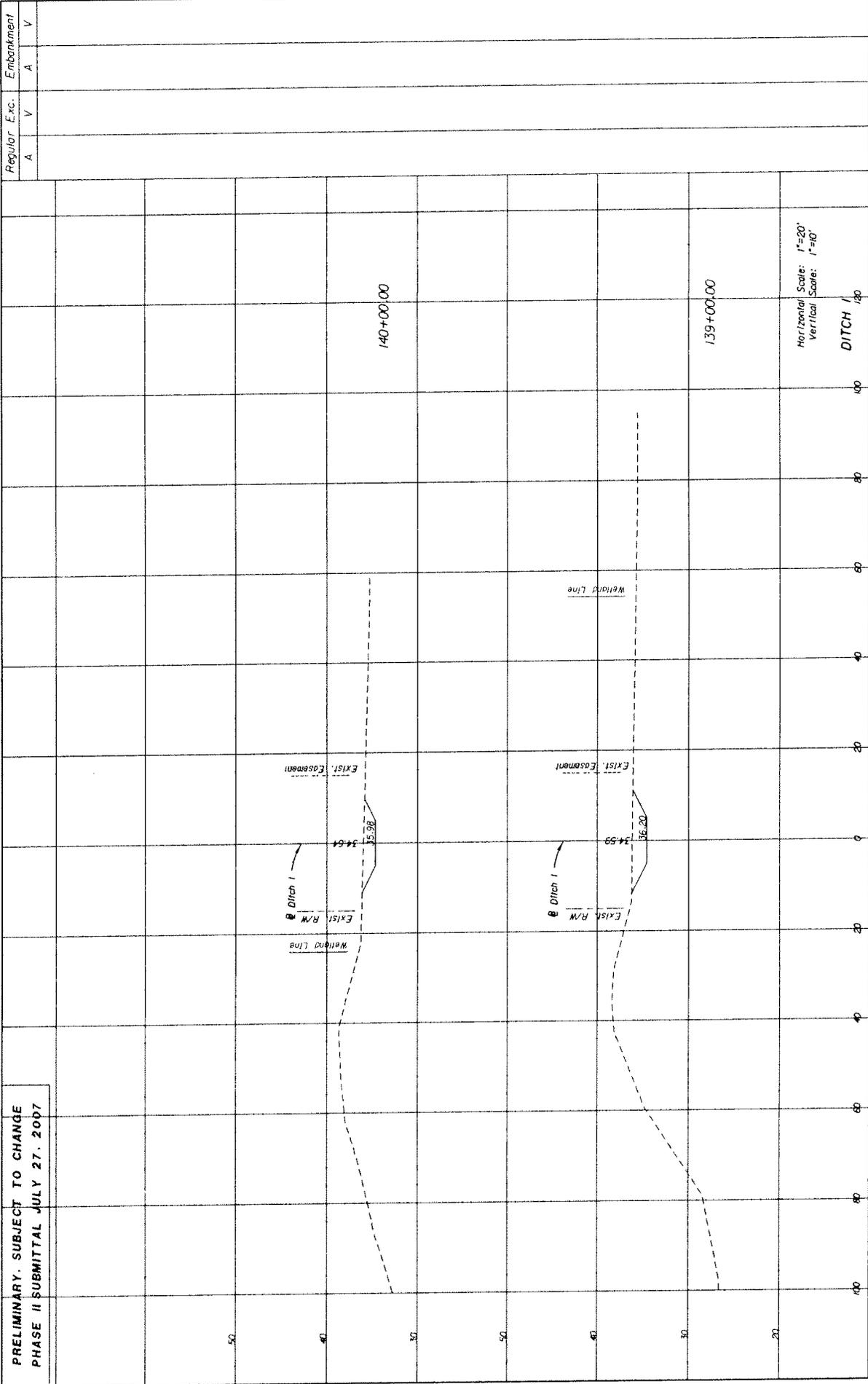
EC/Driver <small>FOR MORE INFO, CONTACT          TALLAHASSEE, FL 32310-9999          CERT. OF AUTH. #808</small>	ENGINEER OF RECORD: P.E. J. G. ... <small>REGISTERED PROFESSIONAL ENGINEER          STATE OF FLORIDA</small>
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CROSS SECTIONS

SHEET NO. 27

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SKETCH AND SEALED UNDER RULE 60S-23.003, F.A.C.

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



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

DITCH 1

**ECDriver**  
 THE BEST OF THE BEST  
 ENGINEERING & ARCHITECTURE  
 CERT. OF AUTH. #838  
 ENGINEER OF RECORD  
 P.E. #10,829

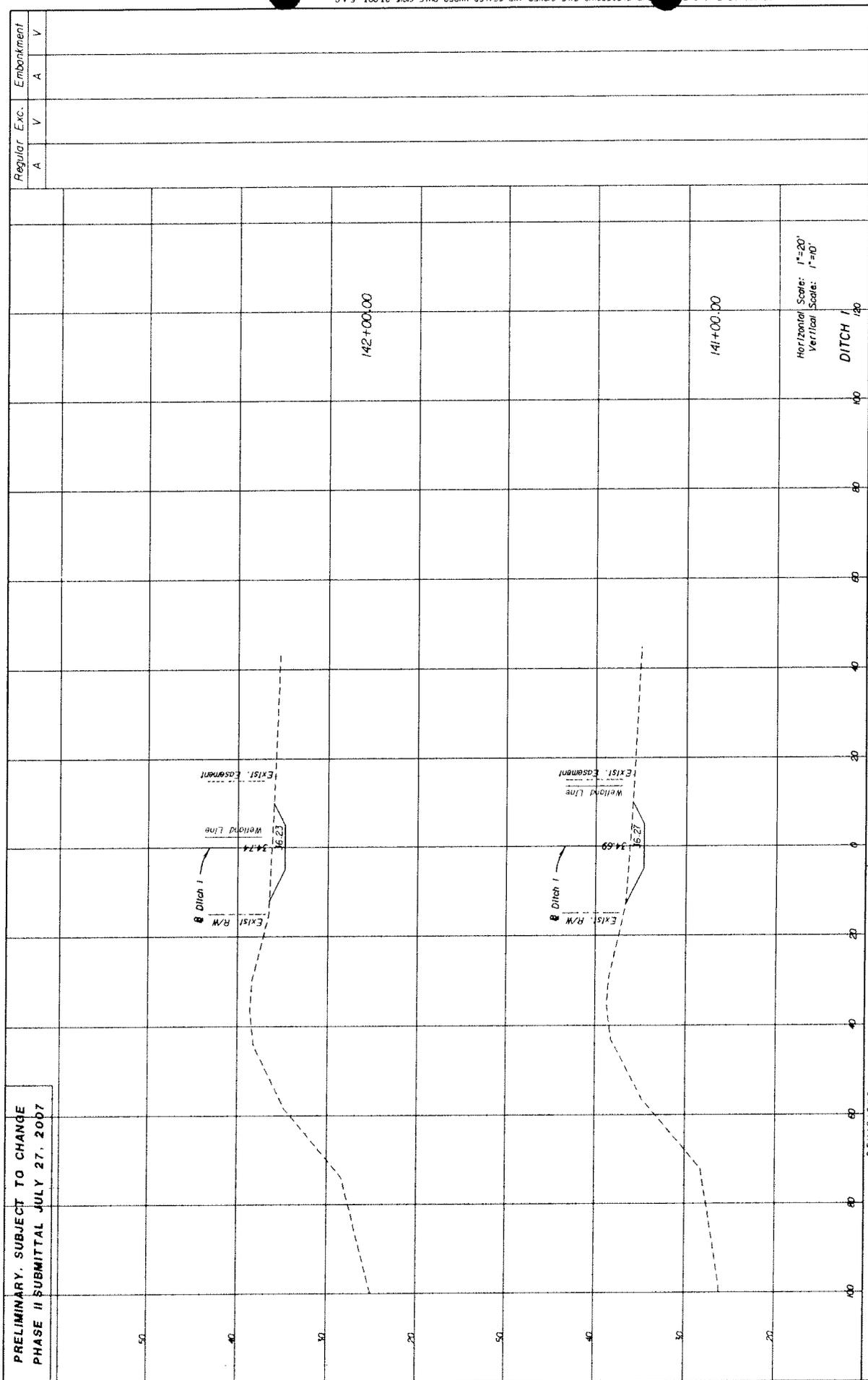
DATE	BY	DESCRIPTION

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY ST. JOHNS  
 FINANCIAL PROJECT ID 210263-5-52-01

CROSS SECTIONS

SHEET NO. 28

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



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

DITCH 1

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
SR 207	210253-5-52-01
COUNTY	ST. JOHNS

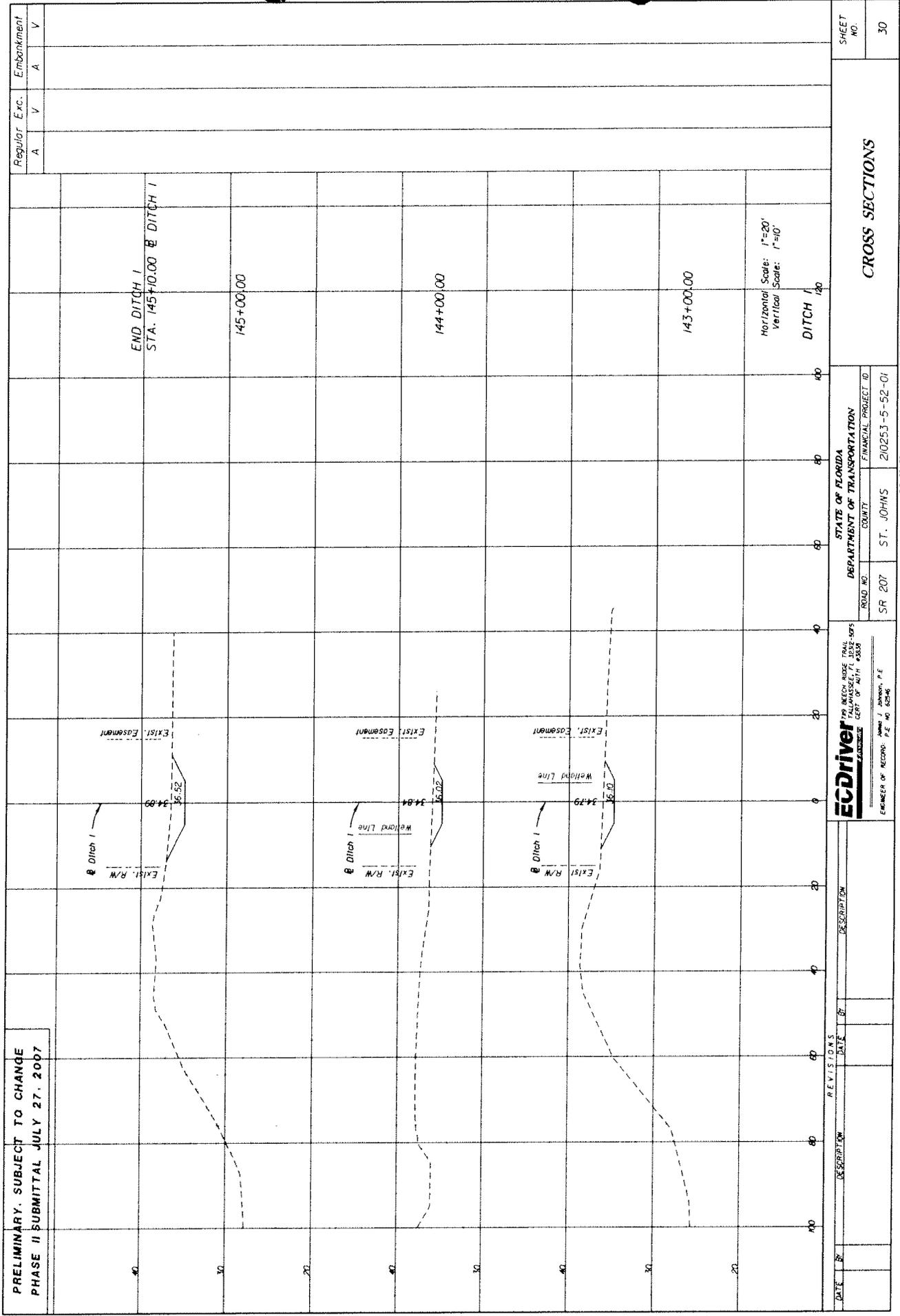
ENGINEER OF RECORD:	John J. Johnson, P.E.
DATE:	7/27/07

**CROSS SECTIONS**

SHEET NO. 29

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 69F5-23.003, F.A.C.

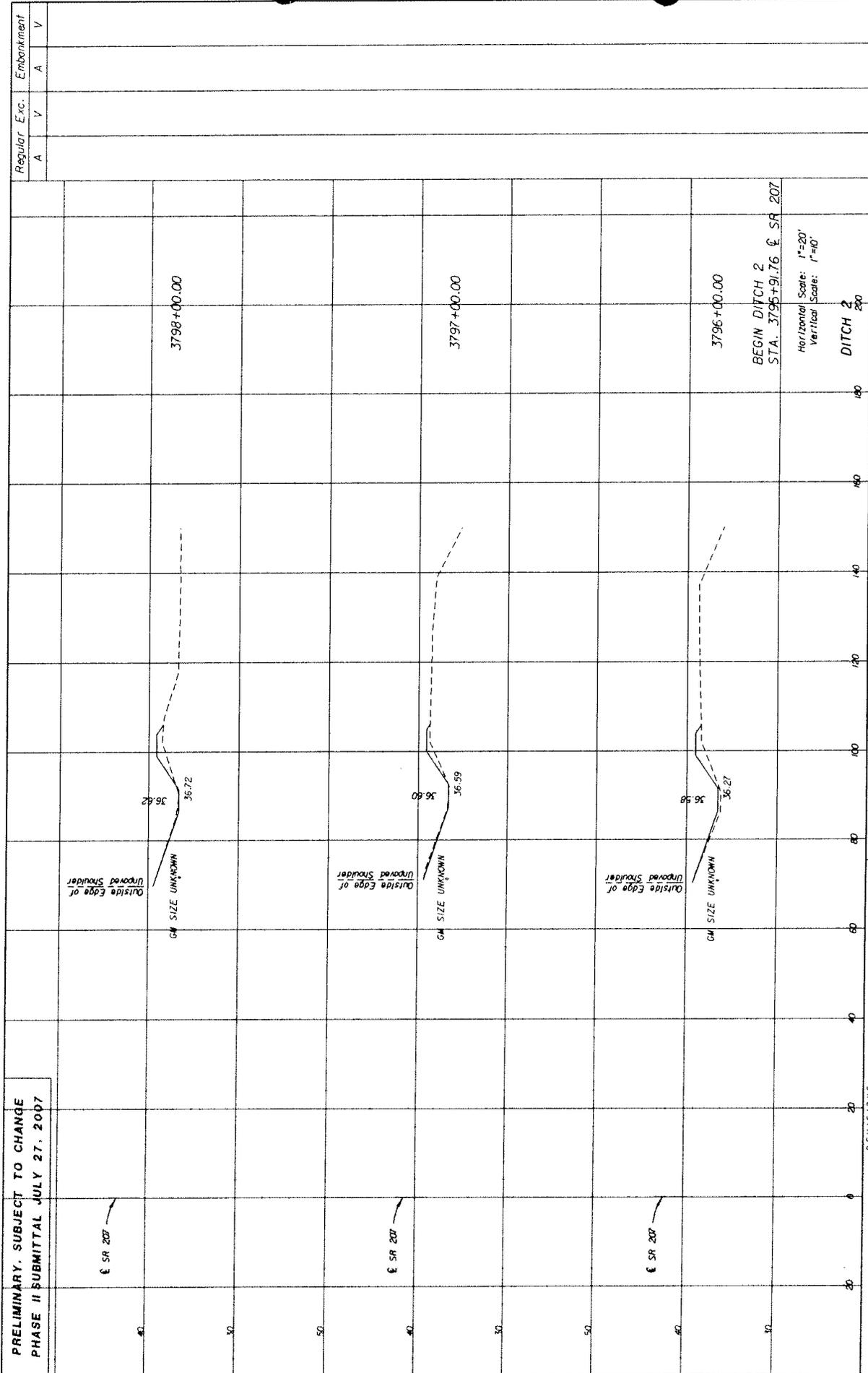


PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

**ECDriver**  
 ENGINEER OF RECORD  
 STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY ST. JOHNS  
 FINANCIAL PROJECT ID 210253-5-52-01  
 ENGINEER OF RECORD: James J. Johnson, P.E.  
 LICENSE NO. 60386

**CROSS SECTIONS**  
 SHEET NO. 30



PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

Regular Exc. A V A V A V  
 Embankment A V A V

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

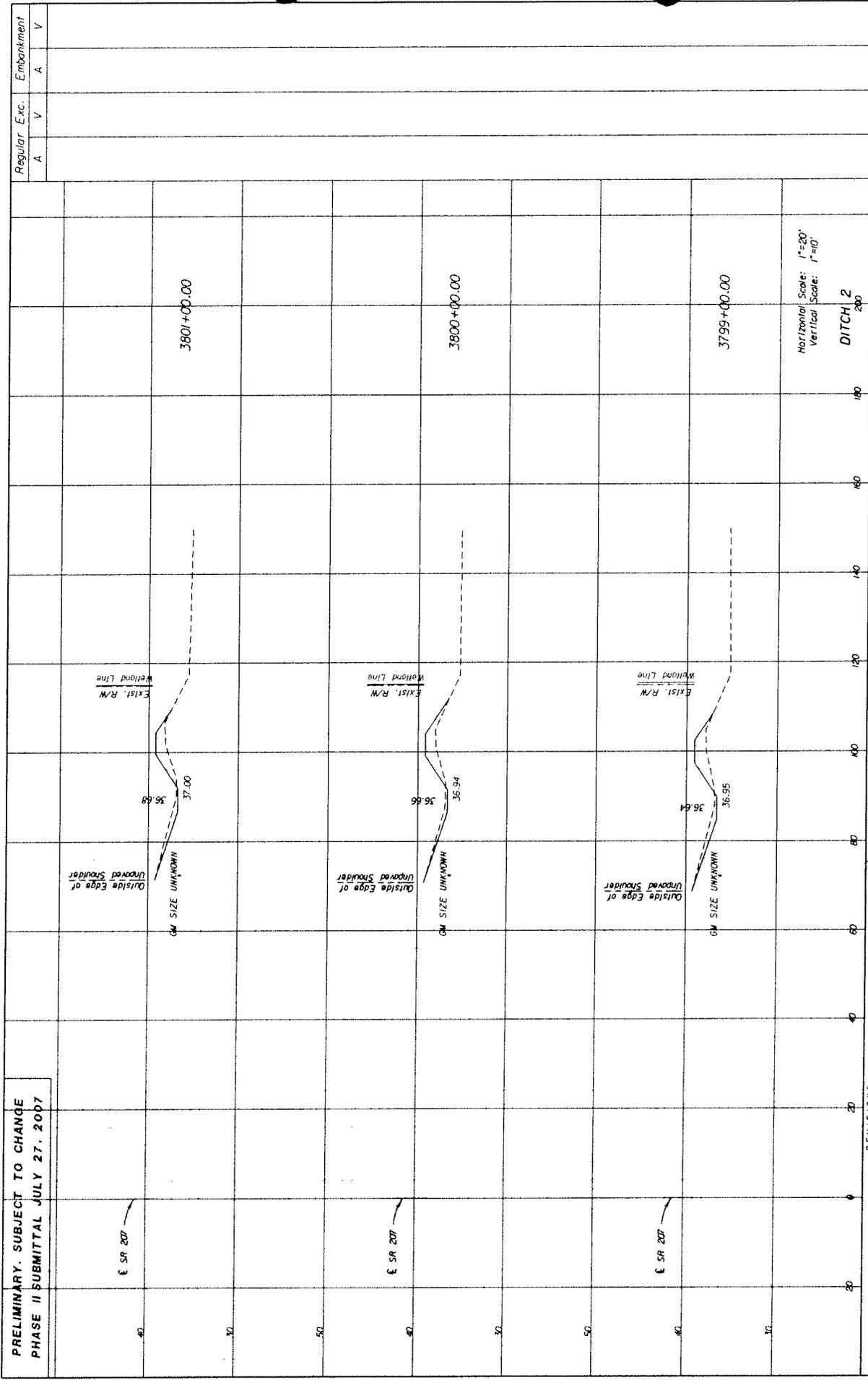
**ECDriver** FOR BRUCE ROSE TRAIL  
 TALLAHASSEE, FL 32302-8975  
 LICENSE # 12132  
 ENGINEER OF RECORD: P.E. # 62436

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID 210253-5-52-01

CROSS SECTIONS

SHEET NO. 31

DATE 7/27/07 2:07:19 PM E.C. DRIVER

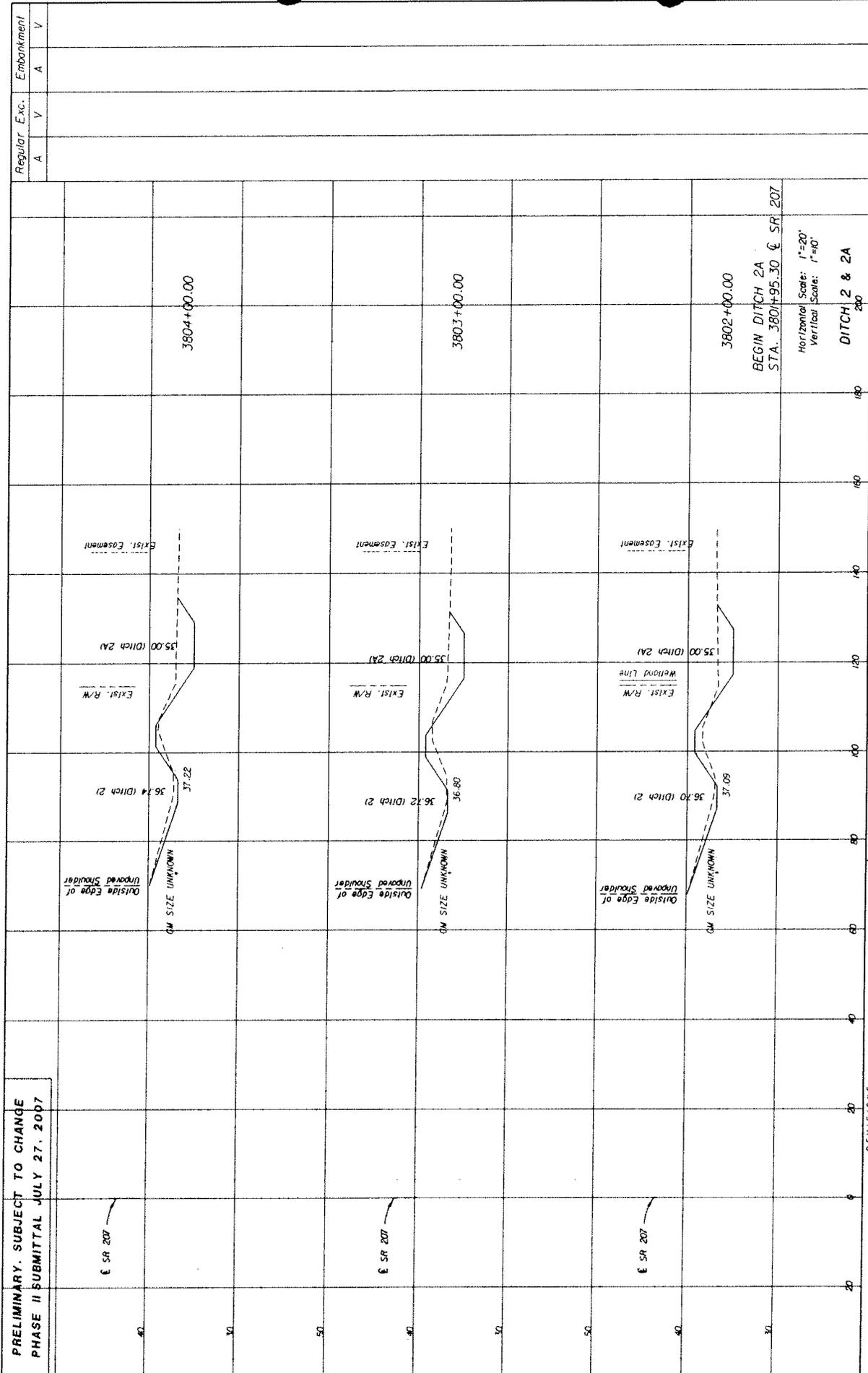


PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

Regular Exc.  
 A V A V

Embankment  
 A V A V

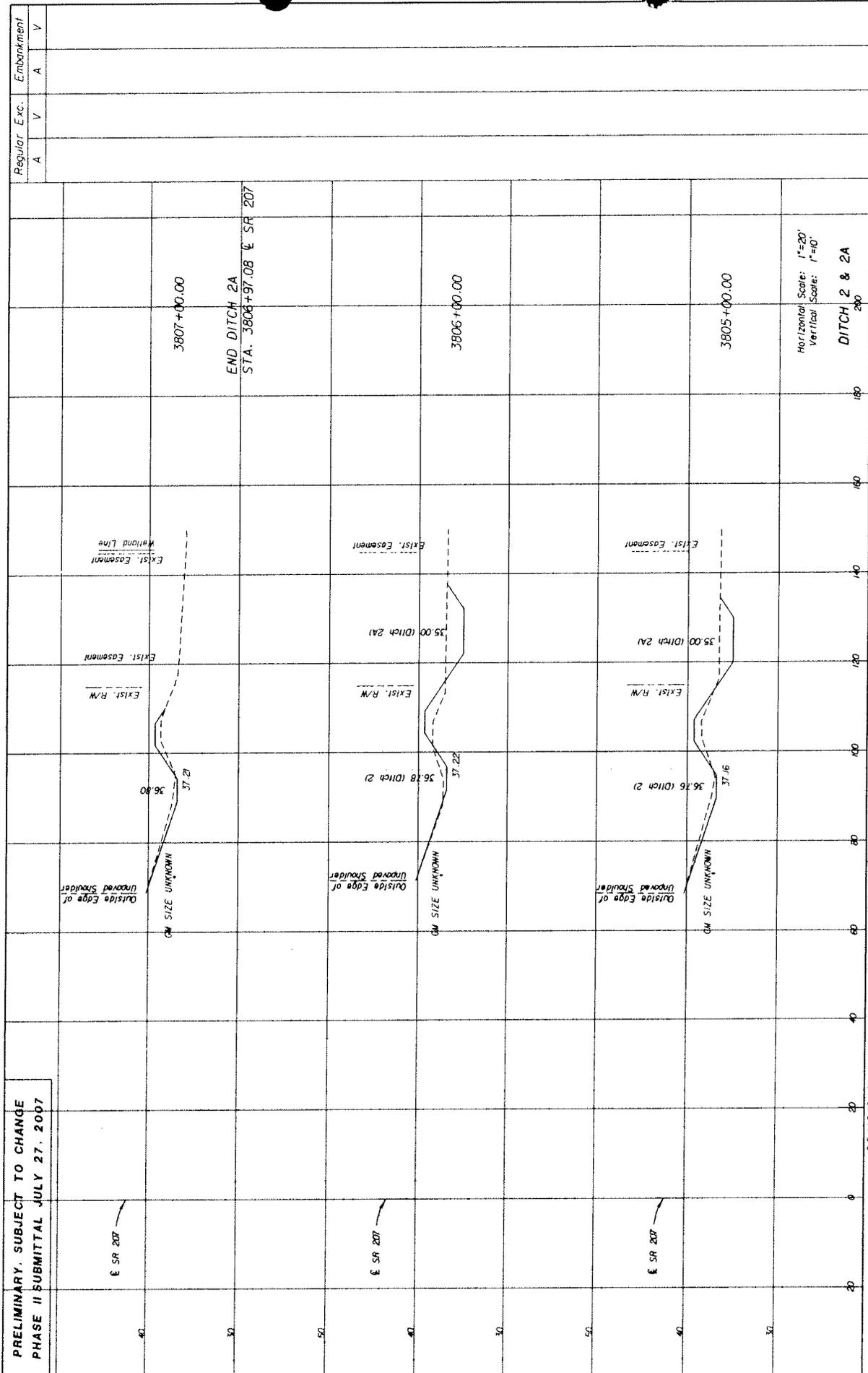
DATE		DESCRIPTION	DATE	BY
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID 210253-5-52-01 ROAD NO. SR 207 ST. JOHNS FINANCIAL PROJECT ID 210253-5-52-01				
<b>ECDriver</b> 14000 BEECH GROVE TRAIL TALLAHASSEE, FL 32312-9075 PHONE: 904.438.8888 CERT. OF AUTH. #3838 ENGINEER OF RECORD, P.E. NO. 82436 JOHN J. ANTHONY, P.E.				
CROSS SECTIONS				
SHEET NO.				32



PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

Regular Exc.		Embankment	
A	V	A	V

DATE		DESCRIPTION		REVISIONS		DATE		BY	
<p><b>EGDriver</b> P.E. BRENDA TRAY                  TALLAHASSEE, FL 32302-8095                  ENGINEER OF RECORD                  STATE OF FLORIDA                  DEPARTMENT OF TRANSPORTATION                  ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID 210253-5-52-01</p>									
<b>CROSS SECTIONS</b>									
SHEET NO. 33									



PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATES OF FLORIDA		ROAD NO.	COUNTY	FINANCIAL PROJECT ID
DEPARTMENT OF TRANSPORTATION		SR 207	ST. JOHNS	210253-5-52-01

ECDriver	REG. NO. 8599	ISS. DATE 12/22/05
TALLAHASSEE, FL 32302-8075	CERT. OF AUTH. #3836	
ENGINEER OF RECORD	PE NO. 60306	

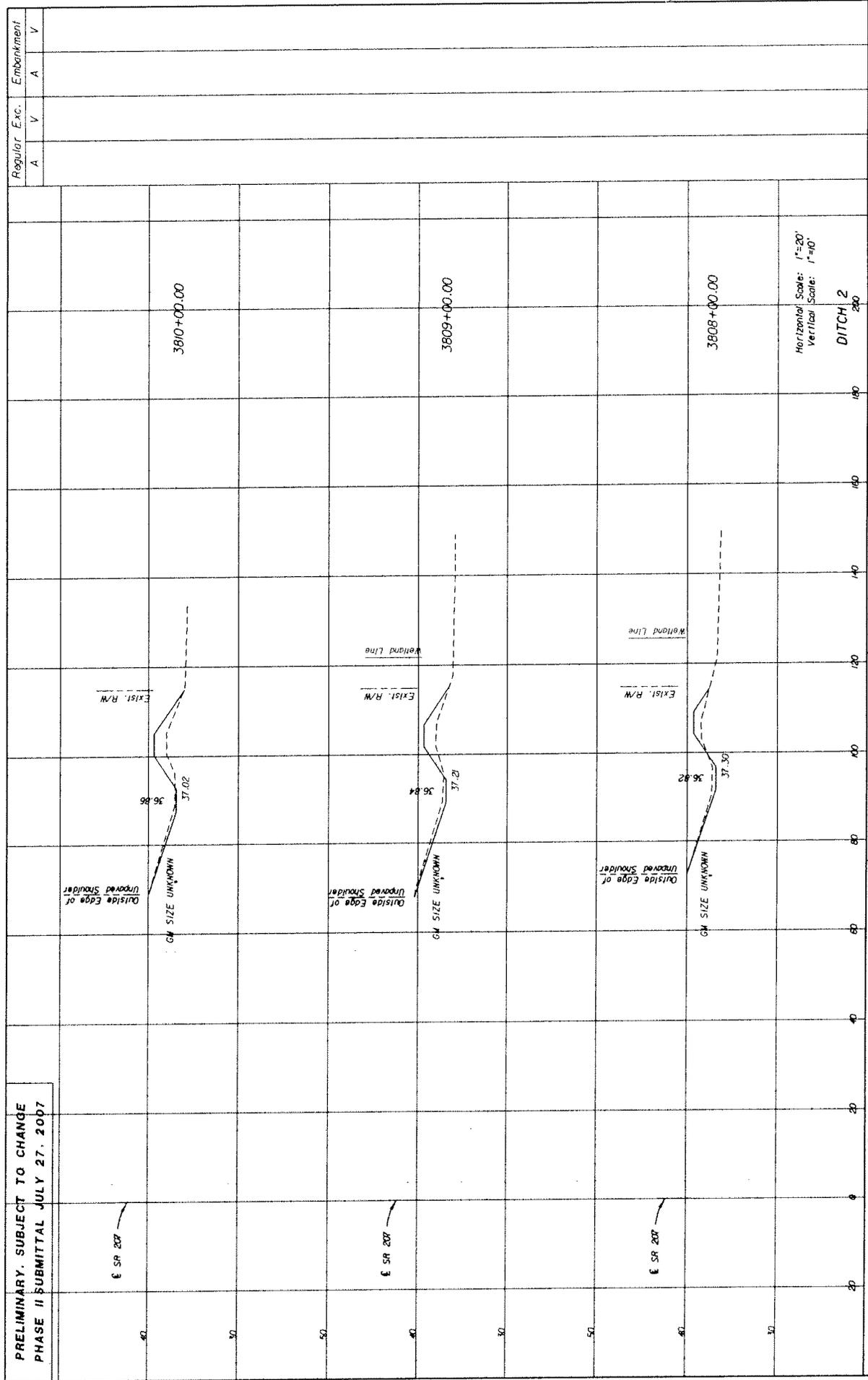
  

REGULAR EXC.	EMBANKMENT
A	A
V	V

**CROSS SECTIONS**

SHEET NO. 34



PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

Regular Exc. A  
 Embankment V

DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

ENGINEER OF RECORD	
CERT. OF AUTH. #0000	

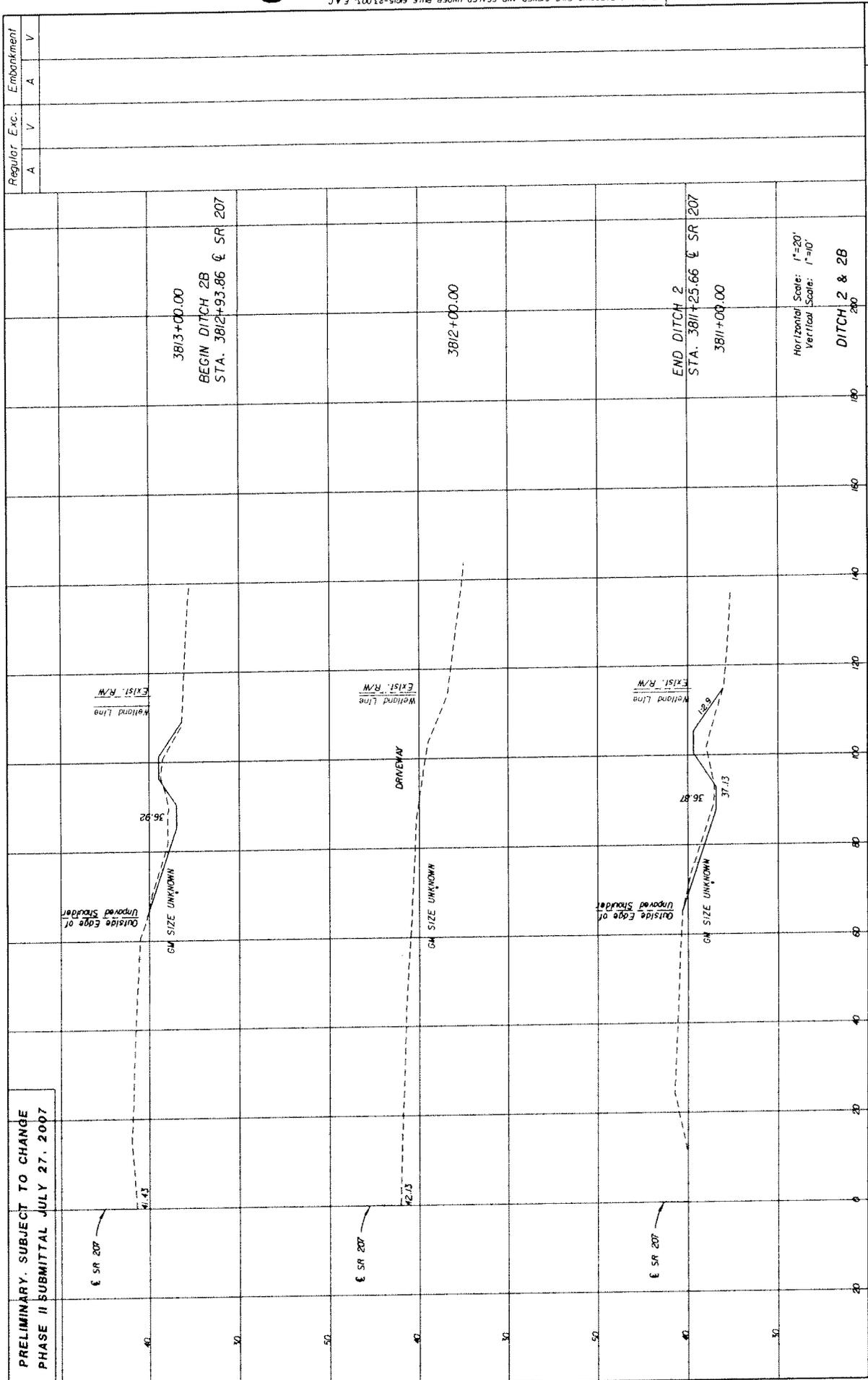
Horizontal Scale: 1"=20'  
 Vertical Scale: 1"=40'

DITCH 2

CROSS SECTIONS

SHEET NO. 35

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID
ROAD NO. SR 207	ST. JOHNS 210253-5-52-01
COUNTY	

ENGINEER OF RECORD: JAMES J. JOHNS, P.E.	

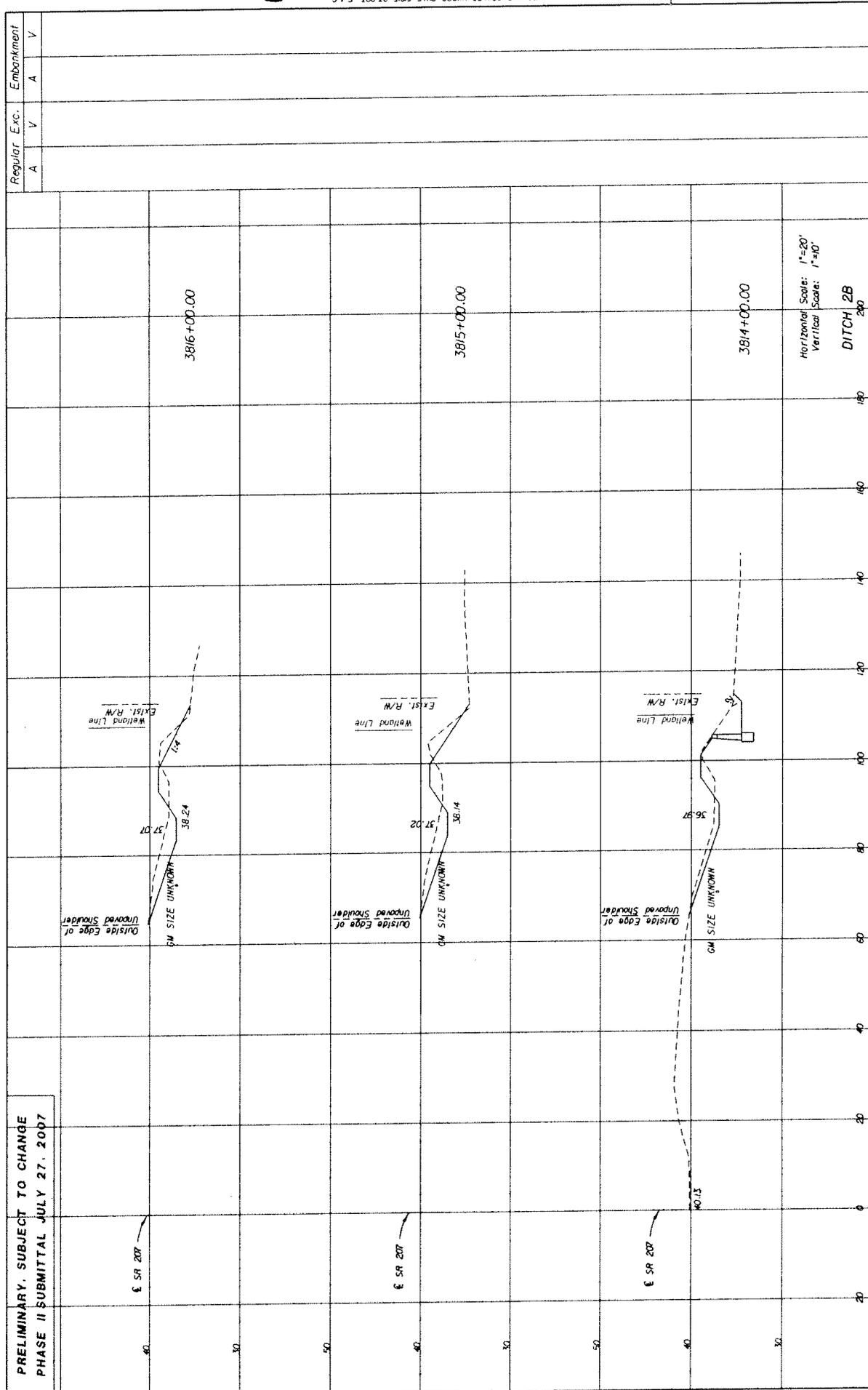
  


**CROSS SECTIONS**

SHEET NO. 36

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SAVED AND SEALED UNDER RULE 60S-23.003, F.A.C.

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISION	DATE	BY	DESCRIPTION

STATES OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

E.C. DRIVER		ENGINEER OF RECORD	

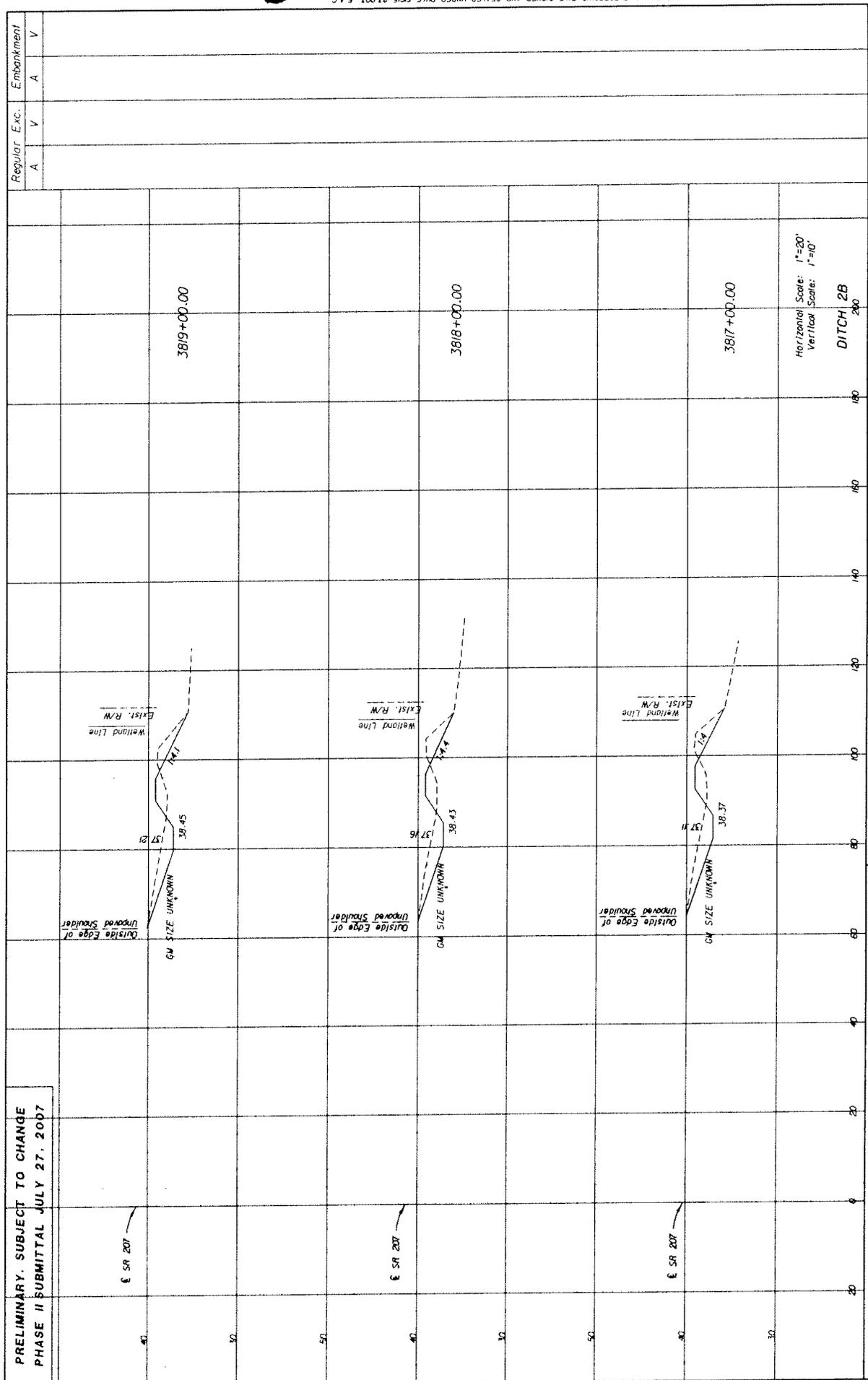
REGULAR EXC.	EMBANKMENT
A	A
V	V

CROSS SECTIONS

SHEET NO. 37

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 60S-23.003, F.A.C.

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

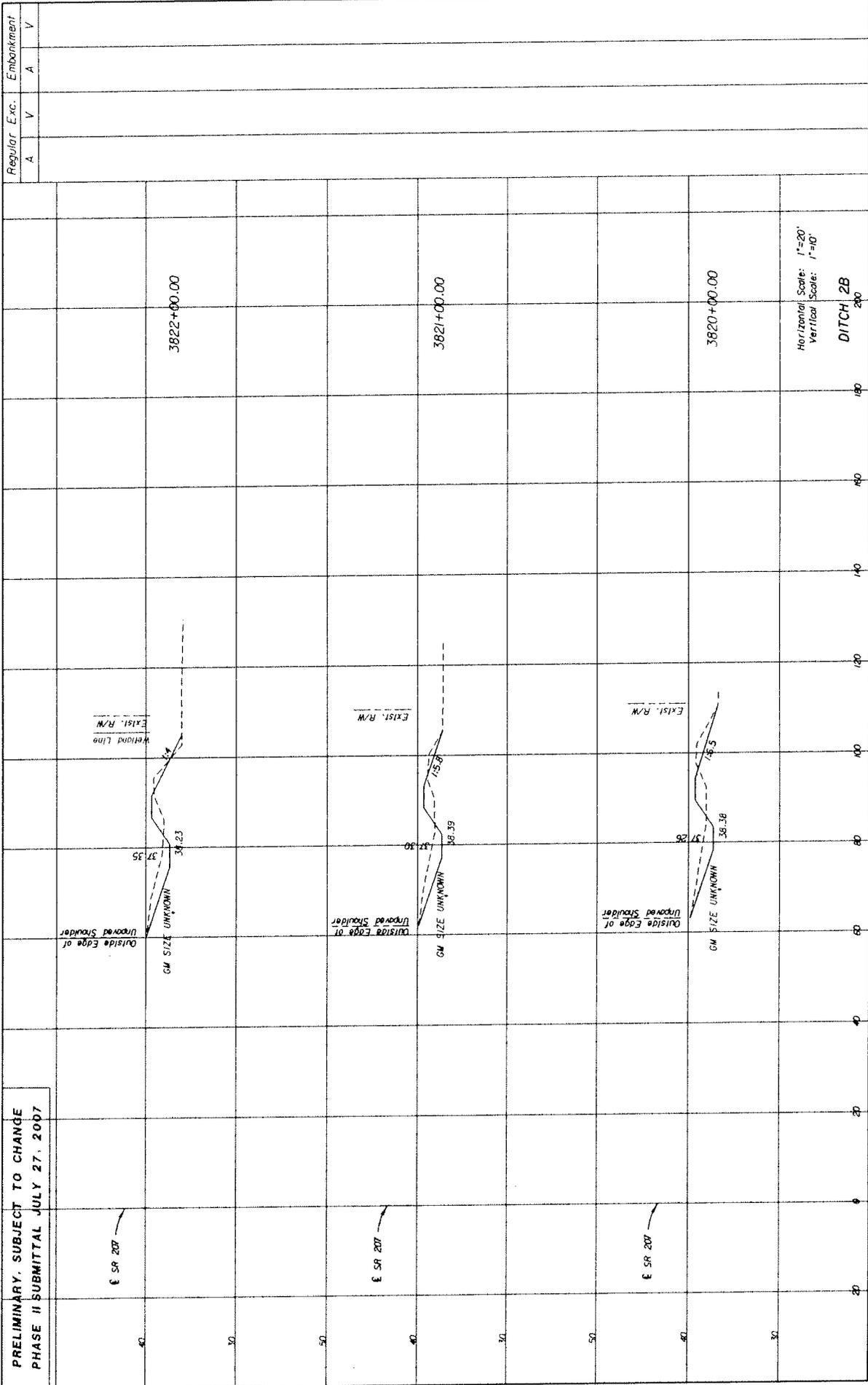
ENGINEER OF RECORD: James J. Johnson, P.E.  
 STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY: ST. JOHNS  
 FINANCIAL PROJECT ID: 210253-5-52-01

EC Driver  
 ENGINEER OF RECORD: James J. Johnson, P.E.  
 STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY: ST. JOHNS  
 FINANCIAL PROJECT ID: 210253-5-52-01

CROSS SECTIONS

SHEET NO. 38

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATES OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

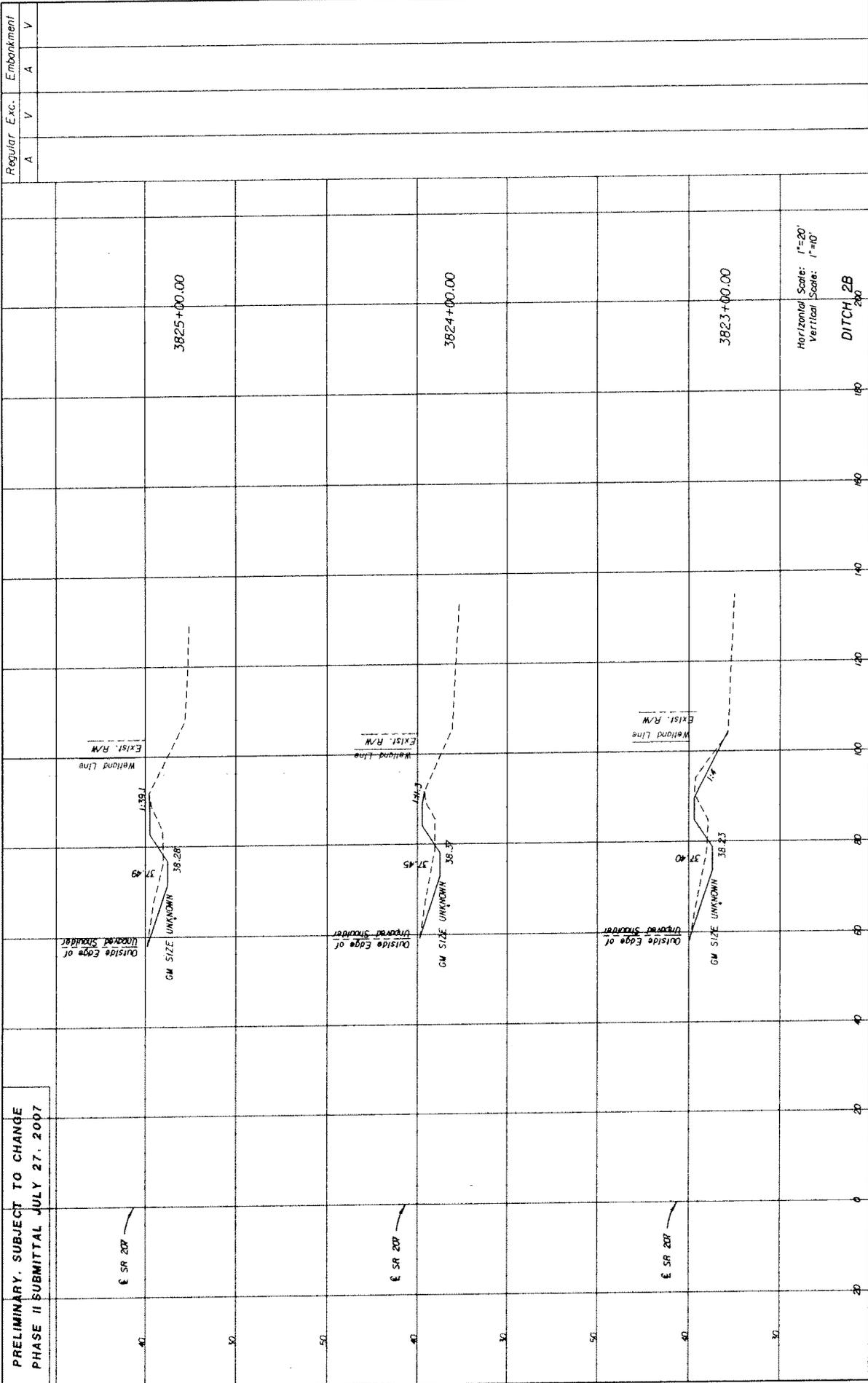
  

E.C. DRIVER		ENGINEER OF RECORD	
P.E. NO. 85296		P.E. NO. 85296	

CROSS SECTIONS		SHEET NO.
		39

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. SR 207	FINANCIAL PROJECT ID. 210253-5-52-01
COUNTY ST. JOHNS	

ECDriver	
REGISTERED PROFESSIONAL ENGINEER	
FLORIDA LICENSE NO. 13522-3075	
ADDRESS: 1101 W. 15TH AVE. SUITE 200	
ORLANDO, FL 32806	
ENGINEER OF RECORD: JAMES J. HANCOCK, P.E.	
P.E. NO. 65046	

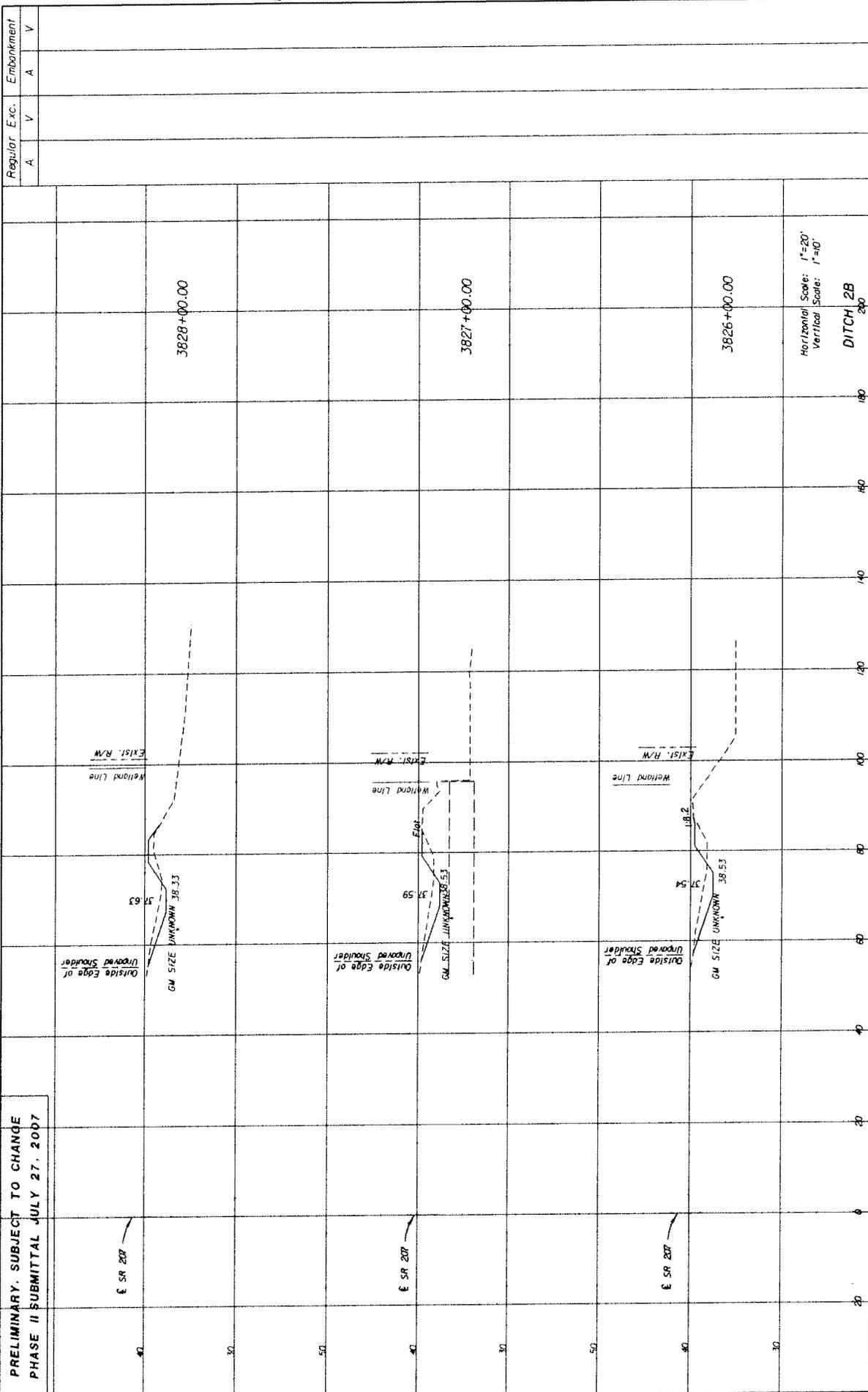
REGULAR EXC.	EMBANKMENT
A	A
V	V

**CROSS SECTIONS**

SHEET NO. 40

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



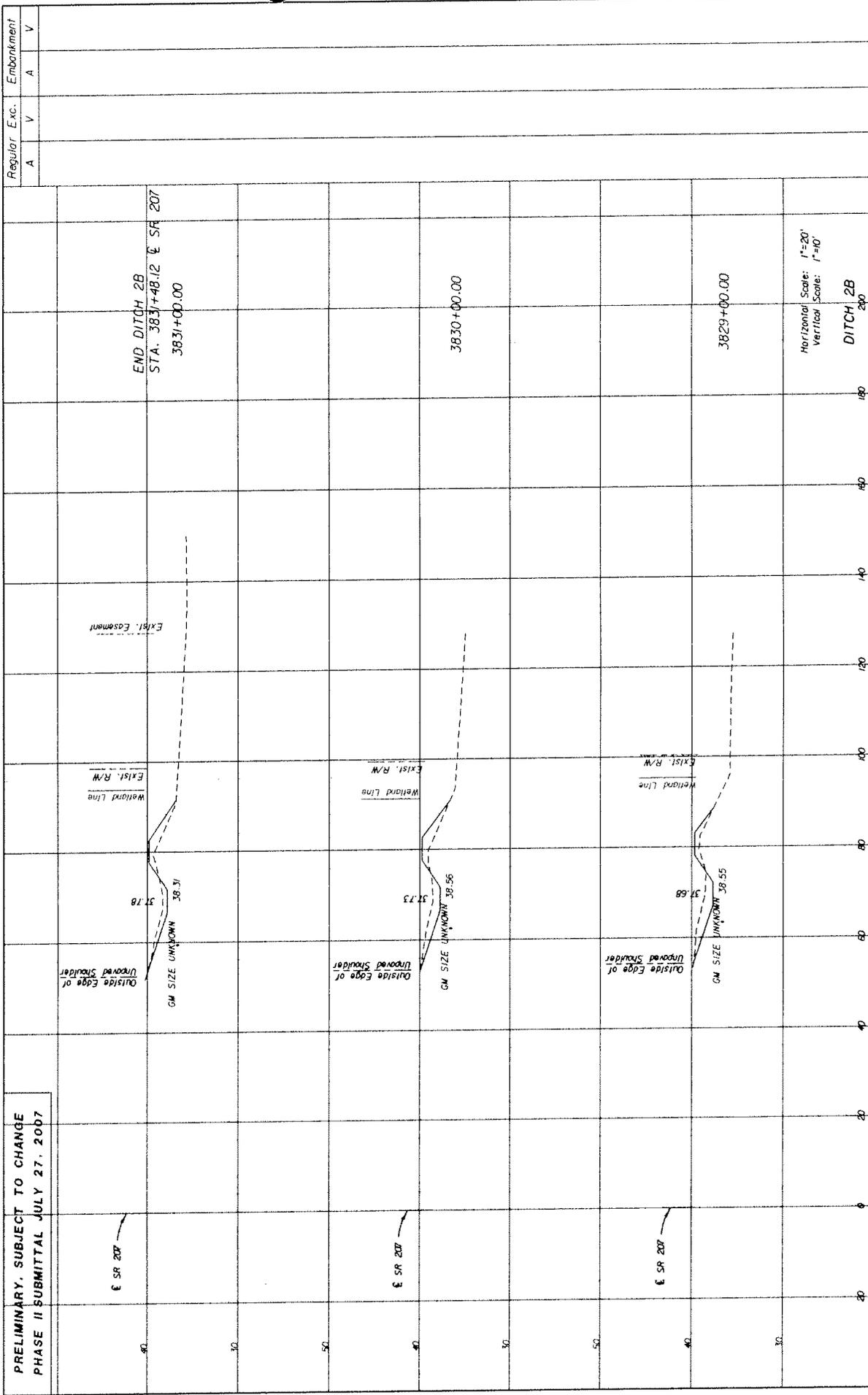
DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

**EGDriver**  
 INDEPENDENT ENGINEER  
 11000 N.W. 11th Avenue, Suite 100  
 Ft. Lauderdale, FL 33322-5075  
 PHONE: (954) 562-1111  
 FAX: (954) 562-1112  
 ENGINEER OF RECORD: JAMES J. JOHNS, P.E.  
 LICENSE NO. 12008

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY ST. JOHNS  
 FINANCIAL PROJECT ID 210253-5-52-01

CROSS SECTIONS  
 SHEET NO. 41

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. SR 207	COUNTY ST. JOHNS
FINANCIAL PROJECT ID 210253-5-52-01	

<b>ECDriver</b>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 12023-S05	
REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 43838	
ENGINEER OF RECORD: JAMES J. JOHNS, P.E.	
REGISTERED PROFESSIONAL ENGINEER LICENSE NO. 82696	

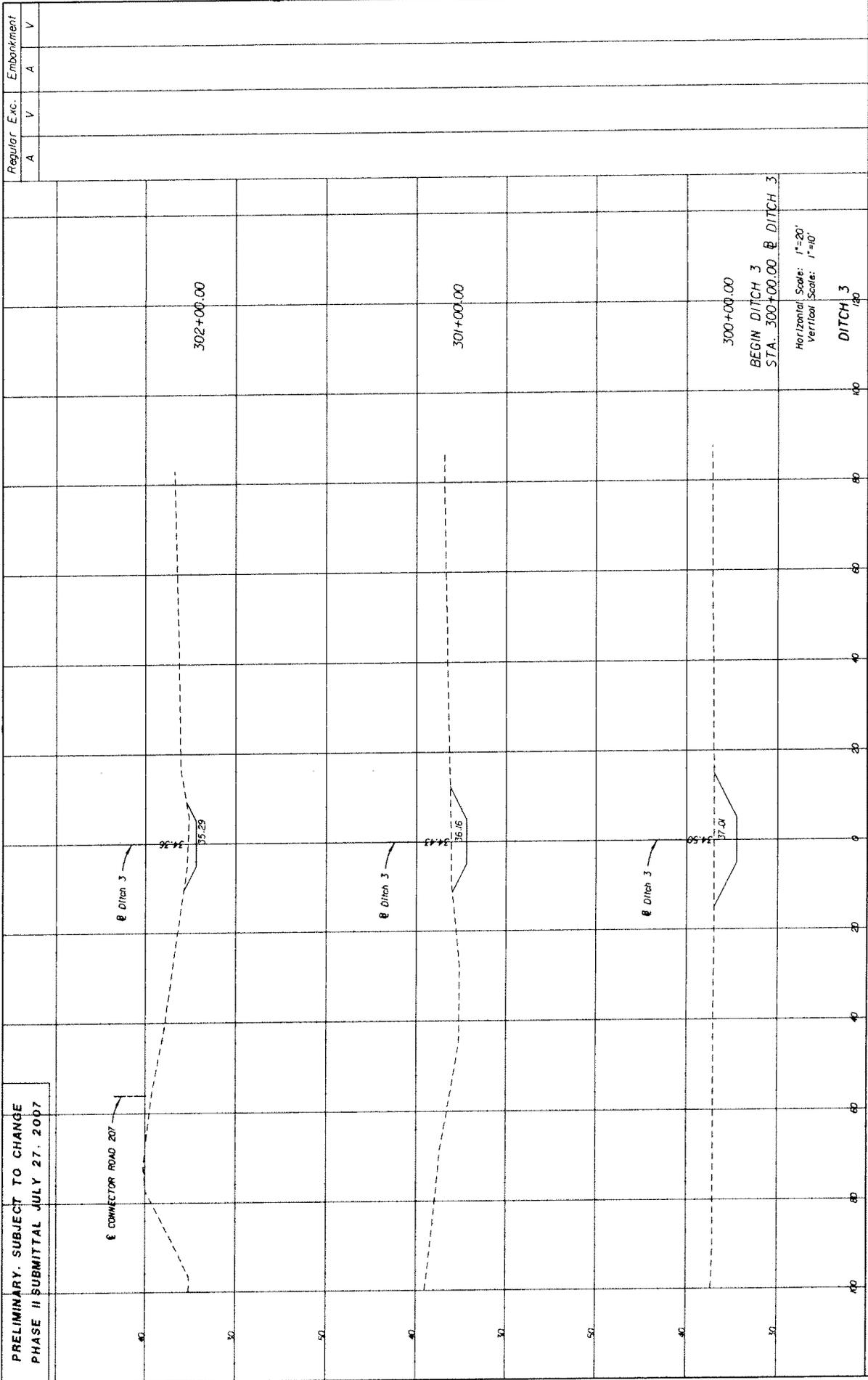
  

REGULAR EXC.	EMBANKMENT
A	A
V	V

SHEET NO.	42
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PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

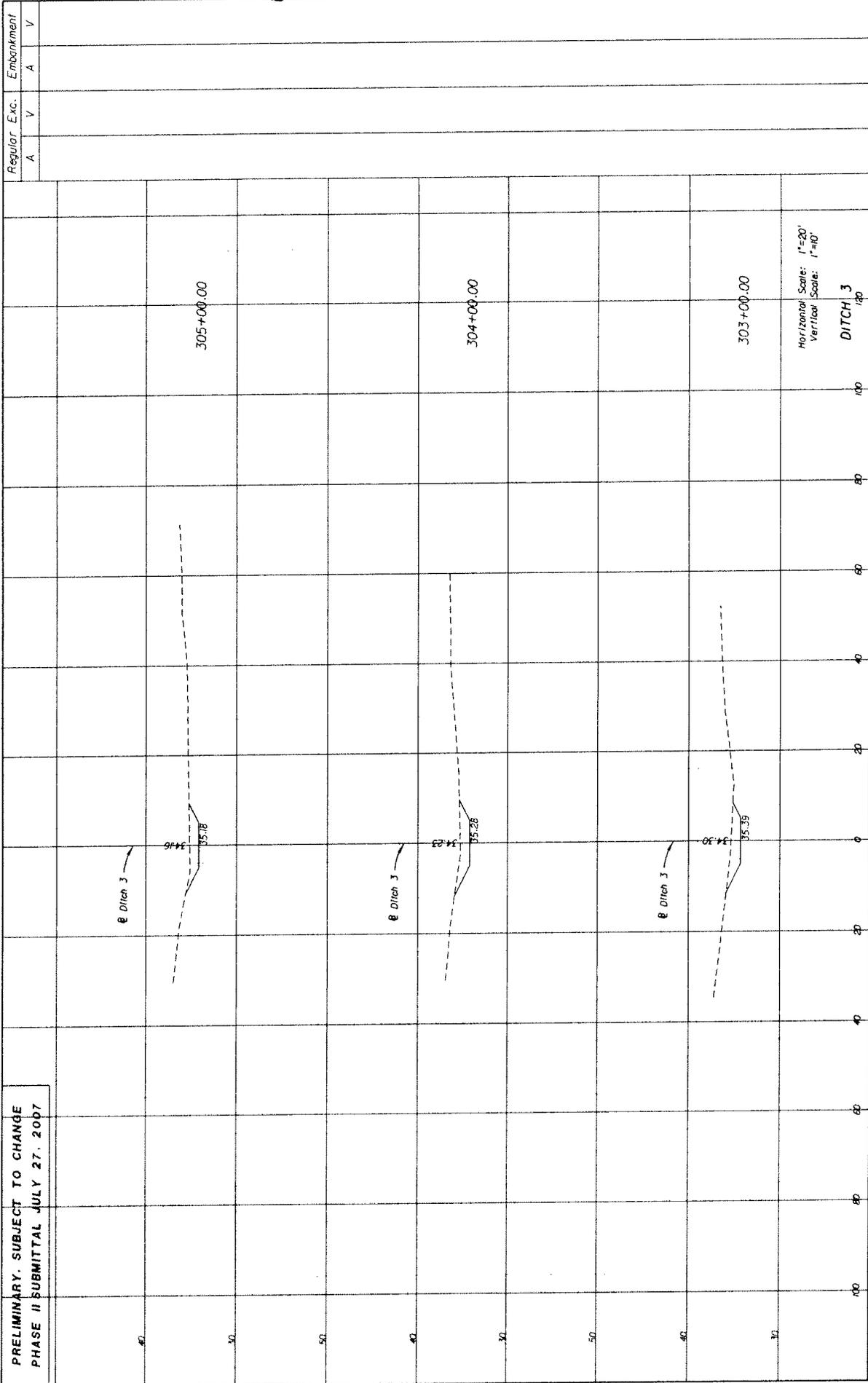
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY ST. JOHNS  
 FINANCIAL PROJECT ID 210253-5-52-01

**ECDriver**  
 ENGINEER OF RECORD: JAMES J. WARDEN, P.E.  
 CERT. NO. 65096  
 TALLAHASSEE, FL 32302-5905  
 CERT. OF AUTH. 43838

**CROSS SECTIONS**

SHEET NO. 43

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



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

DITCH 3

DATE		BY	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. SR 207	COUNTY ST. JOHNS
FINANCIAL PROJECT ID 210253-5-52-01	

ECDriver	
REGISTERED PROFESSIONAL ENGINEER	
FLORIDA REG. NO. 12922	
CERT. OF AUTH. #A938	
ENGINEER OF RECORD	James J. Johnson, P.E.
P.E. NO. 82546	

REGULAR EXC.	EMBANKMENT
A	A
V	V

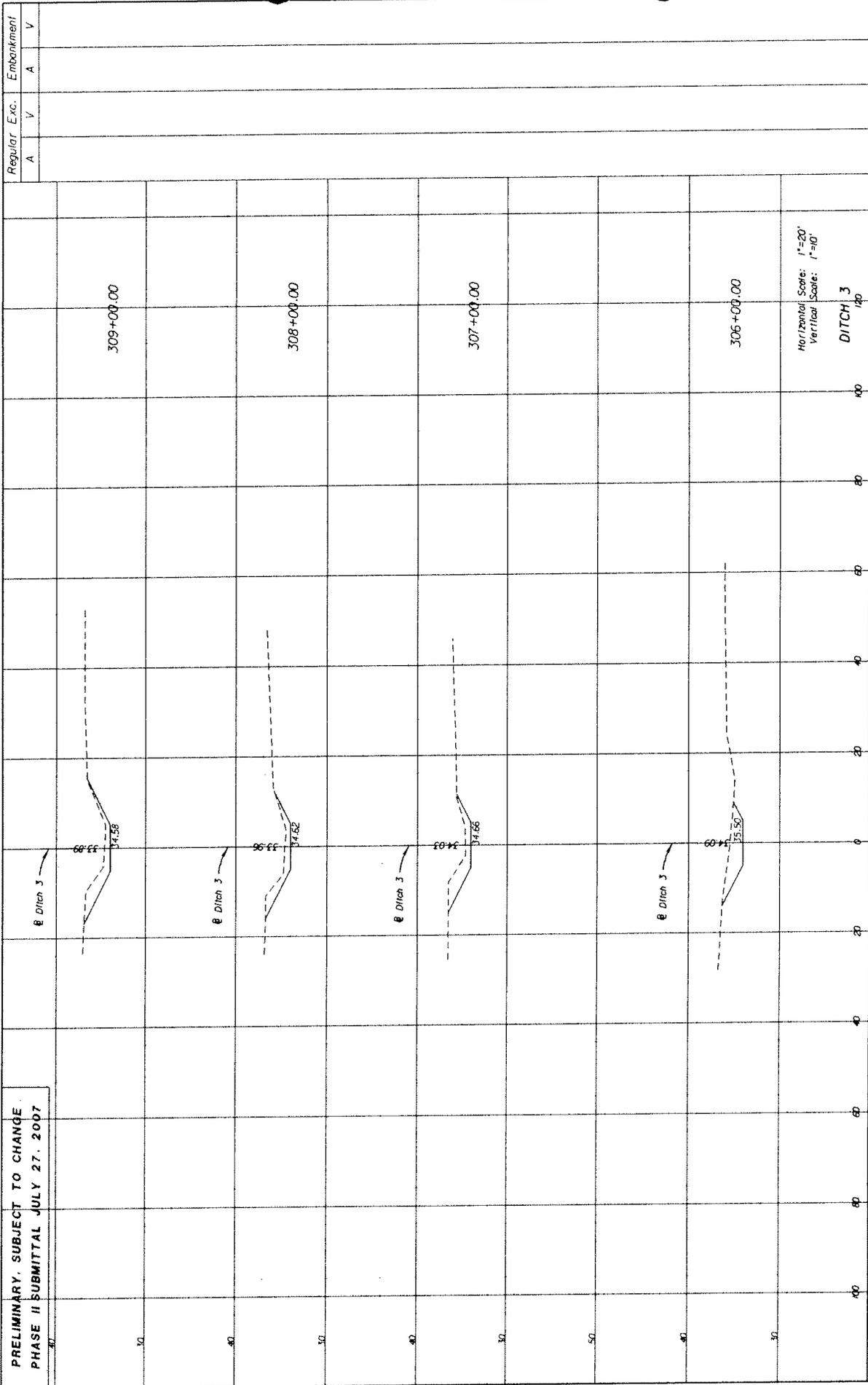
  

SHEET NO.	44
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CROSS SECTIONS

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PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
SR 207	210253-5-52-01
COUNTY	ST. JOHNS

<b>EGDriver</b>	
REGISTERED PROFESSIONAL ENGINEER	
TALLAHASSEE, FL 32302-5075	
CERT. OF AUTH. #3838	
ENGINEER OF RECORD:	JAMES J. JOHNSON, P.E.
P.E. NO.	65296

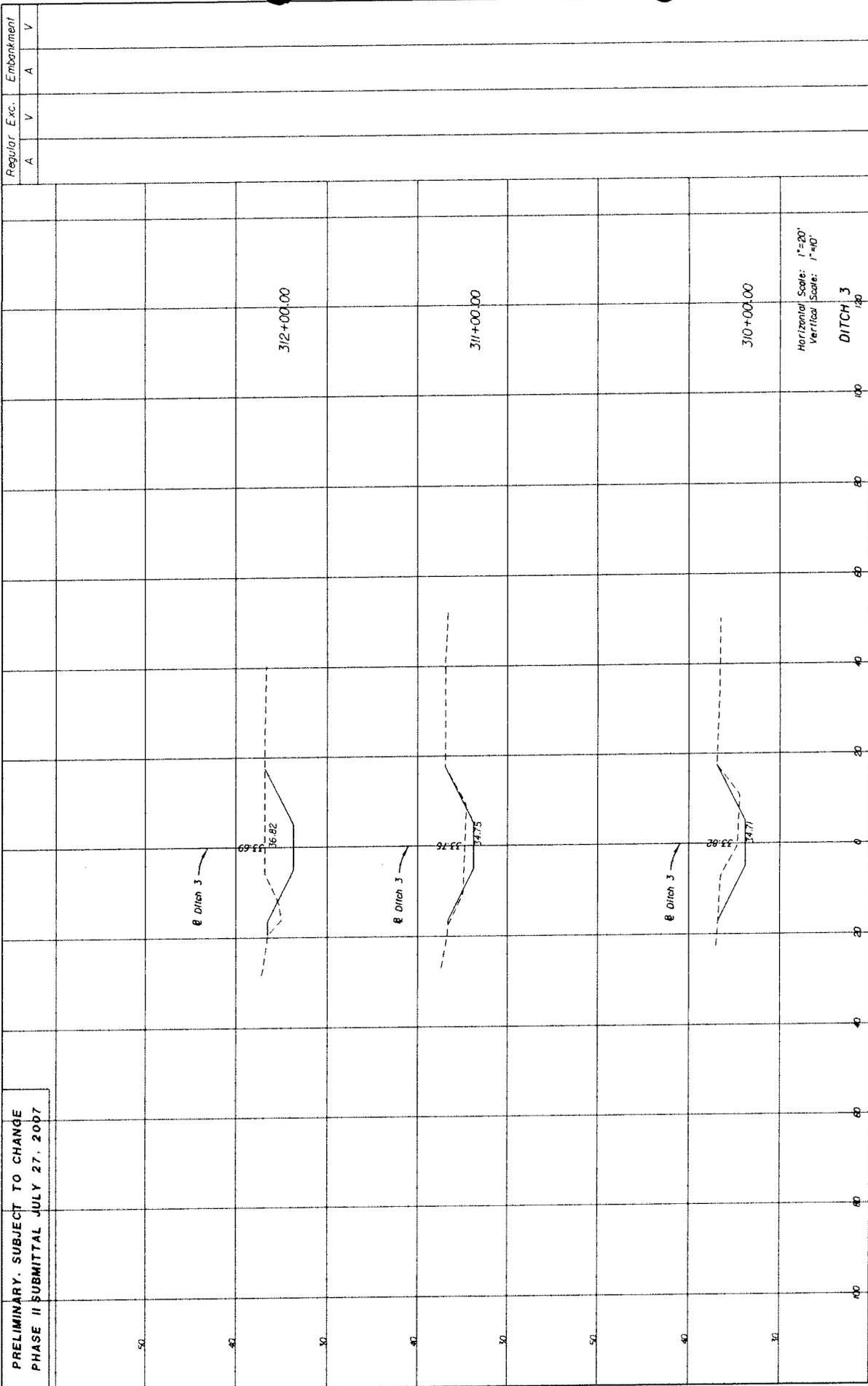
REGULAR EXC.	EMBANKMENT
A	A
V	V

**CROSS SECTIONS**

SHEET NO. 45

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

<b>EGDriver</b>		REGISTERED PROFESSIONAL ENGINEER	
TALLAHASSEE, FL 32302-5005		CERT. OF AUTH. #8386	
ENGINEER OF RECORD: JAMES J. JOHNSON, P.E.		P.E. NO. 82346	

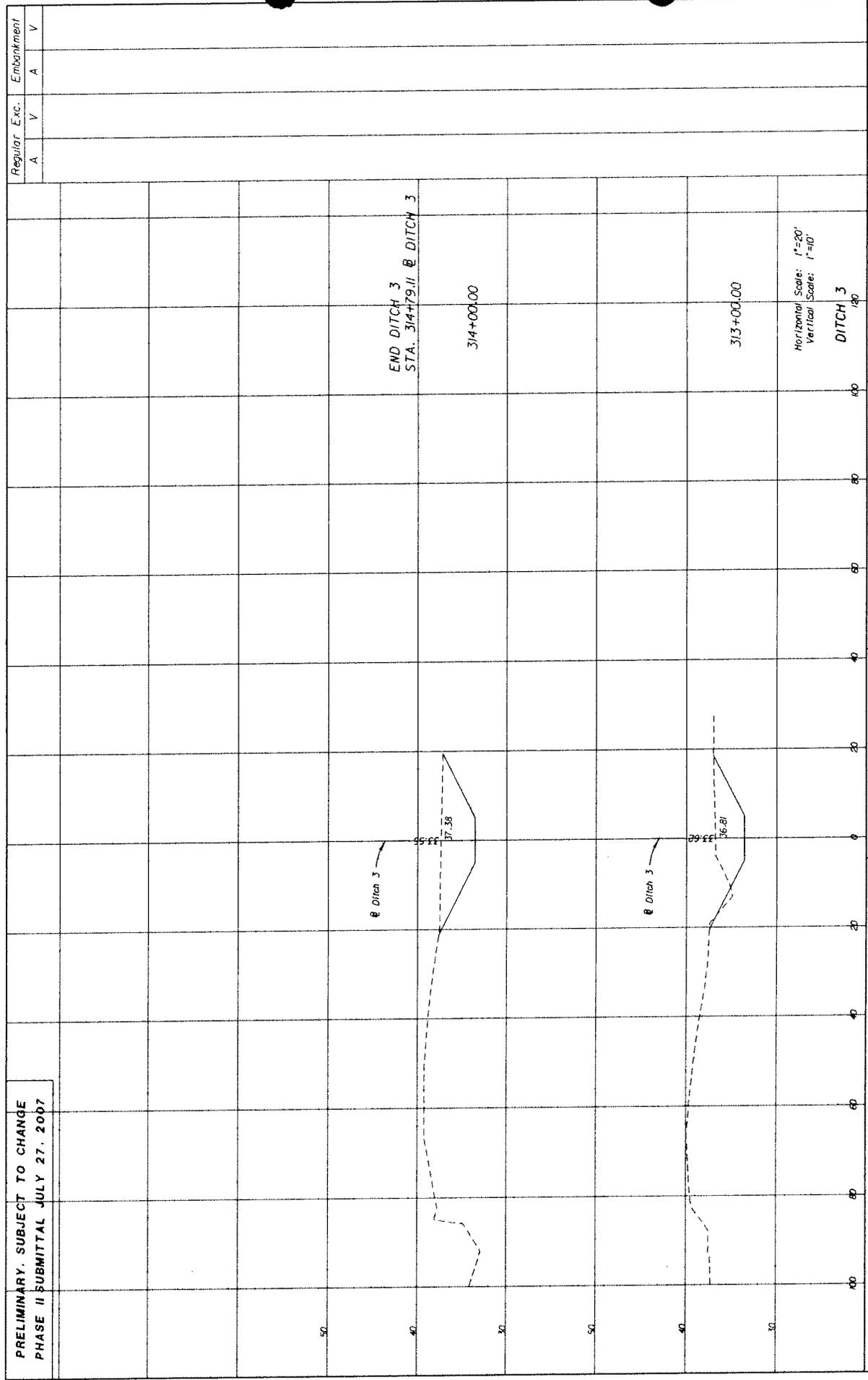
REGULAR EXC.		EMBANKMENT	
A	V	A	V

**CROSS SECTIONS**

SHEET NO. 46

**PRELIMINARY. SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007**



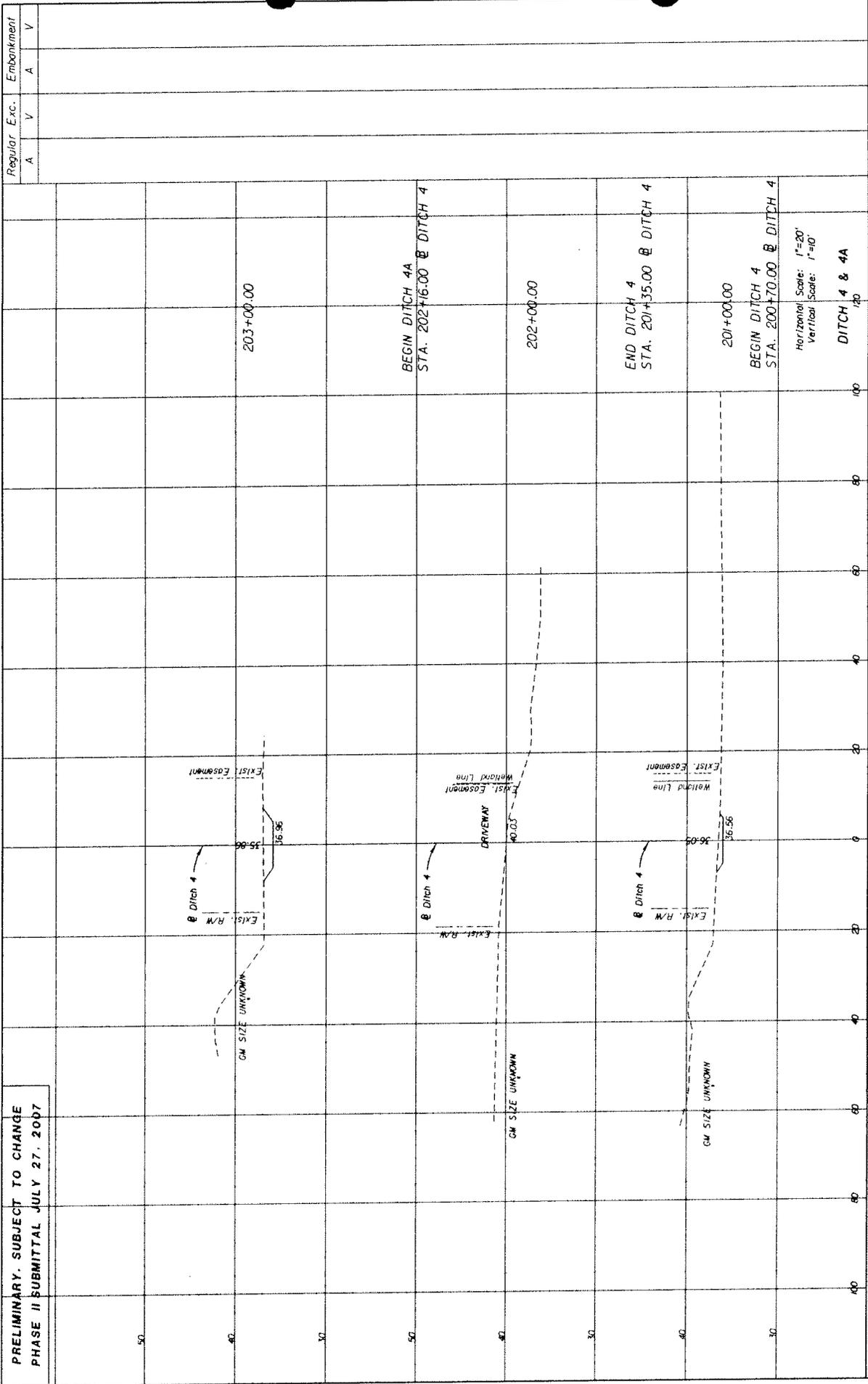
DATE	BY	DESCRIPTION	REVISION	DATE	BY	DESCRIPTION

<b>STATES OF FLORIDA</b>	
<b>DEPARTMENT OF TRANSPORTATION</b>	
ROAD NO.	FINANCIAL PROJECT NO.
SR 207	210253-5-52-01
COUNTY	ST. JOHNS
E.C. DRIVER	
ENGINEER OF RECORD	
P.E. NO. 85266	
JAMES J. JOHNS, P.E.	
TALAPASSEE, FL 32382-5075	
CERT. OF AUTH. #3938	

<b>CROSS SECTIONS</b>	
SHEET NO.	47

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PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION

REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID
ROAD NO. SR 207	ST. JOHNS
210253-5-52-01	

<b>ECDriver</b>	
FOR DESIGN PURPOSE ONLY	
TALLAHASSEE, FL 32310-8975	
FLORIDA HIGHWAY DEPARTMENT	
ENGINEER OF RECORD: James J. Johnson, P.E.	
P.E. NO. 62046	

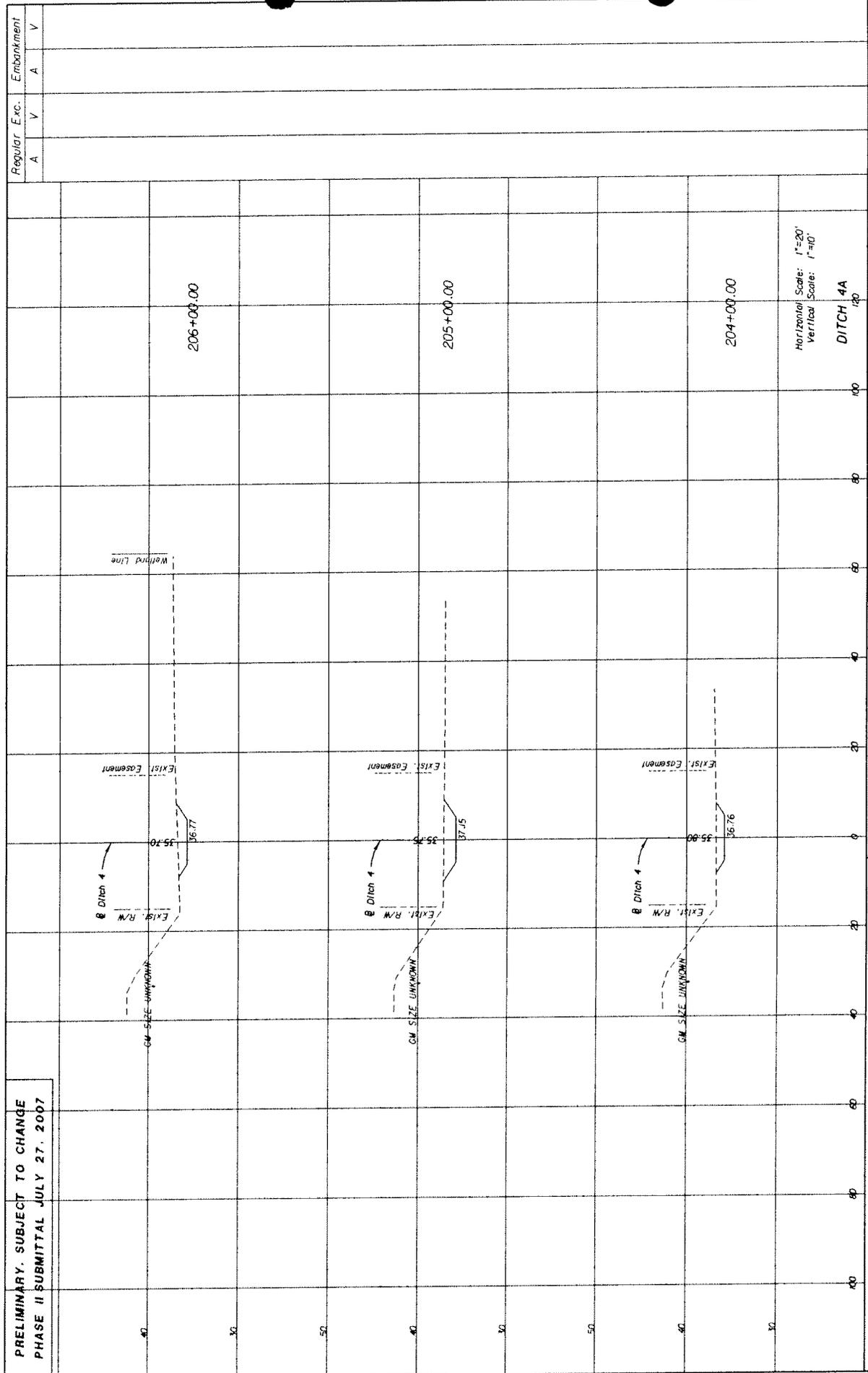
  

CROSS SECTIONS	
SHEET NO.	46

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6005-23.005, F.A.C.

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PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 207	ST. JOHNS	210253-5-52-01	

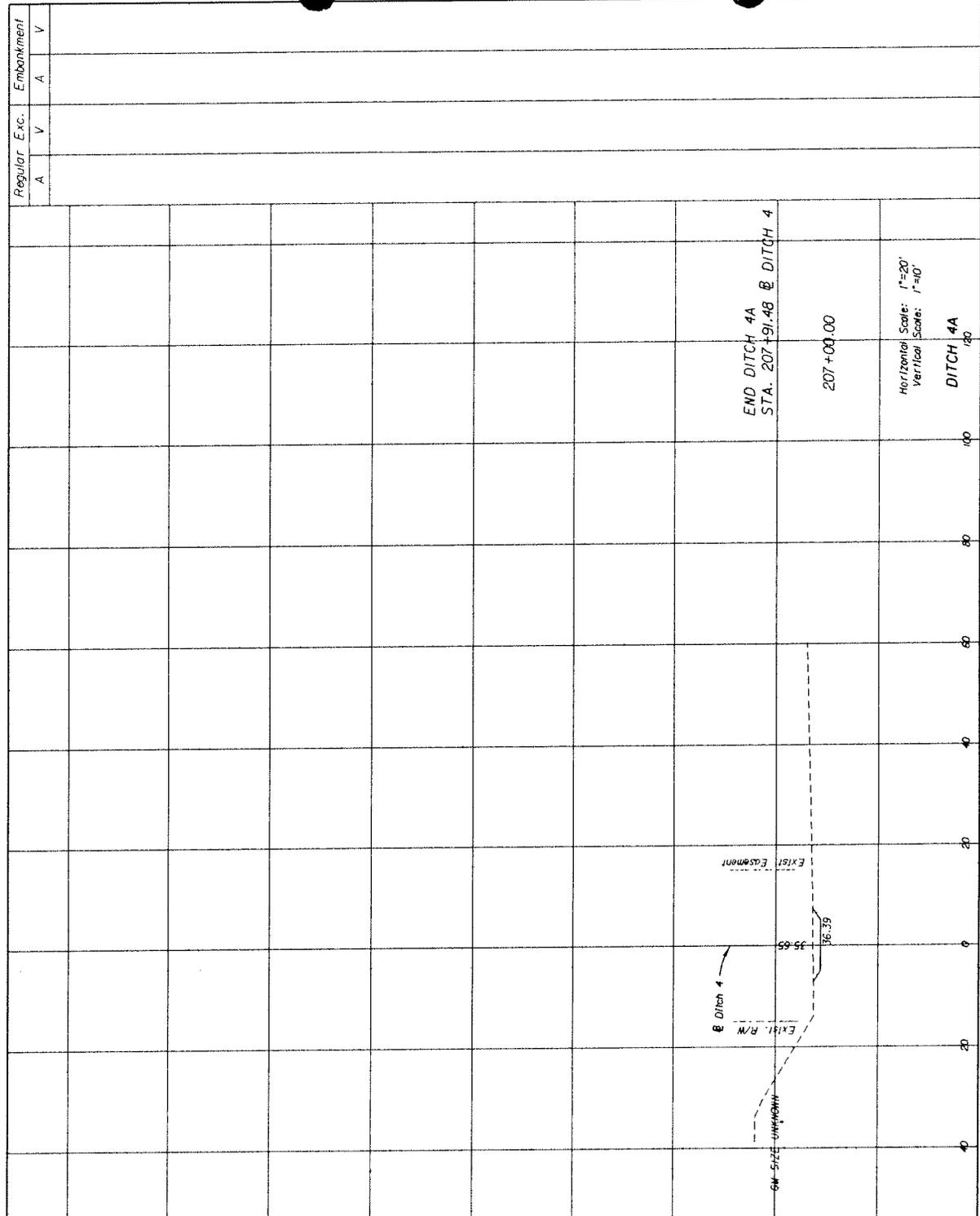
  

ENGINEER OF RECORD:	DATE:
James J. Johnson, P.E.	7/27/07

CROSS SECTIONS	
SHEET NO.	49

PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



DATE	BY	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION

**ECDriver**  
 STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 207  
 COUNTY ST. JOHNS  
 FINANCIAL PROJECT ID 210253-5-52-01  
 ENGINEER OF RECORD: James J. Johnson, P.E.  
 P.E. NO. 65046

**CROSS SECTIONS**

SHEET NO. 50

**PRELIMINARY. SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007**

**EROSION CONTROL NOTES**

1. EROSION CONTROL PLAN - THE EROSION CONTROL PLAN SUBMITTED DESCRIBES HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE USE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES FOR THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS. ANY MODIFICATIONS TO THIS PLAN MUST BE SUBMITTED IN WRITING AND APPROVED BY THE PROJECT ADMINISTRATOR. THE MODIFICATIONS MUST BE APPROVED BY FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND THE PERMITTING AGENCIES. NO CONTRACT DELAYS WILL BE ALLOWED FOR SUCH MODIFICATIONS OR APPROVALS.

2. OFFFALL PROTECTION - PIPE OR DITCH DISCHARGES INTO OFF-SITE OFFFALLS SHALL BE INSPECTED DAILY FOR POSSIBLE SEDIMENT BUILDUP OR TRANSPORT. OFFFALLS SHALL BE PROTECTED THROUGH THE USE OF ENVIRONMENTAL CONTROL FEATURES AS NECESSARY TO CONTAIN ANY SEDIMENT LOSS TO THE IMMEDIATE AREA OF THE PROJECT. ANY SEDIMENT BUILDUP OR TRANSPORT OFF-SITE SHALL BE THE CONTRACTORS RESPONSIBILITY TO REMEDY. AT OTHER LOCATIONS, THE CONTRACTOR SHALL USE APPROPRIATE FEATURES AS DIRECTED BY THE PROJECT ADMINISTRATOR FOR OFFFALL PROTECTION.

3. SLOPE PROTECTION - ANY DISTURBED OR REWORKED SLOPES 1:3 OR STEEPER SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF AN APPROPRIATE EROSION CONTROL DEVICE UNTIL PERMANENTLY STABILIZED. SUCH SLOPE SHALL NOT BE LEFT UNPROTECTED MORE THAN 24 HOURS OR DURING RAINFALL EVENTS.

4. TYPE III SILT FENCE - THESE SHALL BE PLACED AT THE BASE OF ANY SIDE SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS OFF-SITE. IF EROSION DEPOSITS REACH THE TOP ELEVATION OF THE SILT FENCE, THEN SEDIMENTS SHOULD BE REMOVED. ANY DAMAGED OR INEFFECTIVE SILT FENCE IS TO BE REPLACED WITH A NEW ONE. THE LOCATIONS OF SILT FENCE INSTALLATION ARE SHOWN ON THE PLAN SHEETS. THE PROJECT ADMINISTRATOR MAY SPECIFY OTHER AREAS AS NECESSARY.

5. STOCKPILED MATERIALS - STOCKPILED MATERIALS SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY APPROVED EROSION CONTROL DEVICES.

6. DAILY INSPECTION - QUALIFIED PERSONNEL SHALL INSPECT POINTS OF DISCHARGE, AREAS USED FOR STORAGE OF MATERIALS, STRUCTURAL CONTROLS AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. WHERE SITES HAVE BEEN STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.

**PHASE IMPLEMENTATION - AS PROVIDED IN THE APPROVED EROSION CONTROL PLAN**

STEP 1: - INSTALLATION OF ENVIRONMENTAL CONTROL FEATURES - ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE PLANS ARE TO BE INSTALLED THROUGHOUT THE CLEARING AND GRUBBING LIMITS, AT ENVIRONMENTALLY SENSITIVE AREAS AS SHOWN IN THE PLANS, OR AT AREAS AS DIRECTED BY THE PROJECT ADMINISTRATOR. THESE FEATURES INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCE, ETC..

STEP 2: - CLEARING AND GRUBBING - EROSION CONTROL DEVICES TO BE IN PLACE PRIOR TO CLEARING AND GRUBBING FOR THE INSTALLATION OF THE DRAINAGE SYSTEM.

STEP 3: - DRAINAGE SYSTEM OR STRUCTURE ENVIRONMENTAL CONTROL FEATURES - ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE PLANS ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEMS OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. THESE ARE SILT FENCE, STAKED TURBIDITY BARRIER, ETC..

STEP 4: - MAINTENANCE OF ENVIRONMENTAL CONTROL FEATURES ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT AS NECESSARY FOR THE VARIOUS CONSTRUCTION PHASES. THE CONTRACTOR MUST INSURE THAT ALL OF THESE FEATURES FUNCTION PROPERLY AT ALL TIMES.

**GENERAL NOTES**

1. ALL EROSION MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE CONSTRUCTION LIMITS.

REVISIONS		DATE	BY	DESCRIPTION

**EGDriver**  
FOR BEST PRICE TRAIL  
TALLAHASSEE, FL 32302-3075  
CENT. OF AUTO. #3518  
ENGINEER OF RECORD: **John J. Johnson, P.E.**  
P.E. NO. 82546

STATE OF FLORIDA	FINANCIAL PROJECT ID
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	
SR 207	210253-5-52-01
COUNTY	
ST. JOHNS	

**STORMWATER POLLUTION  
PREVENTION PLAN**

SHEET NO. 51

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 68F5-23.003, F.A.C.

PRELIMINARY, SUBJECT TO CHANGE  
PHASE II SUBMITTAL JULY 27, 2007

12. OFF-SITE VEHICLE TRACKING:  
 - PAVED ROADS DAMAGED FOR DUST CONTROL SHALL BE REPAIRED WITH ASPHALT  
 - EXCESS DIRT ON ROAD SURF SHALL BE REMOVED  
 - STABILIZED CONSTRUCTION ENTRANCE

OTHER: THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP AS INDICATED IN SECTION 04 OF THE SPECIFICATIONS.

13. SANITARY WASTE:  
 - ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NECESSARY, OR AS REQUIRED BY LOCAL REGULATION BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR  
 - THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP AS INDICATED IN SECTION 04 OF THE SPECIFICATIONS.

14. FERTILIZERS AND PESTICIDES:  
 - FERTILIZER WILL BE APPLIED ACCORDING TO THE APPLICABLE SUBSECTION OF SECTION 510 OF THE FOOT SPECIFICATIONS.  
 - THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP AS INDICATED IN SECTION 04 OF THE SPECIFICATIONS.

15. NON-STORM WATER DISCHARGE (INCLUDING SPILL PREVENTING):  
 - THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP AS INDICATED IN SECTION 04 OF THE SPECIFICATIONS.  
 - IF IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERMIT ANY DISCHARGE OF GROUNDWATER OR SURFACE WATER TO THE DISCHARGE OF PRODUCED GROUNDWATER FROM AN OIL-CONTAMINATED WELLS, ACTIVITY:  
 - (a) DEWATERING - THE CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED PERMITS ASSOCIATED WITH DEWATERING SUCH AS THE MUD CONSUMPITIVE USE PERMIT AND THE LEAK-BARRIER PERMIT FOR DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY, 68-62.000 (2).  
 - WHEN USING MUDROD DEWATERING PUMPS, AVOID DIRECT DISCHARGE INTO SURFACE WATERS OR WETLANDS, INCLUDING NO DIRECT DISCHARGE INTO INLETS. MUDROD DISCHARGE WATER SHOULD BE ALLOWED TO PERMEATE INTO THE GROUND OR COLLECTED FOR TREATMENT WITH POLYACRYLAMIDES IF NECESSARY PRIOR TO DISCHARGE.  
 - (b) APPROVED STATE LOCAL PLANS OR STORM WATER PERMITS:  
 - NOTICE OF MAINTENANCE ACTIVITY TO SHIMADU.

16. MAINTENANCE:  
 - ALL OF THE CONTRACTOR'S SHALL BE MAINTAINED WITHIN 7 DAYS IN ACCORDANCE WITH SECTION 04 OF THE FOOT SPECIFICATIONS. IF A REPAIR IS NECESSARY, IT WILL BE DONE IMMEDIATELY OR WHEN THE SURROUNDING EXPOSED AREA HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT.  
 - THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP AS INDICATED IN SECTION 04 OF THE SPECIFICATIONS.

17. INSPECTION:  
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INSPECTIONS OF EROSION CONTROL FEATURES. QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EACH SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER, WHICH STATES HAVING RECEIVED FINAL STABILIZATION INSPECTIONS SHALL BE CONSIDERED AS STORM DAMAGE CLAIMS.  
 - INSPECTED AREAS OF THE SITE THAT HAVE NOT RECEIVED FINAL STABILIZATION SHALL BE USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.  
 - STRUCTURAL CONTROLS  
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT CONSTRUCTION AREAS

2. CONTROLS

ARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS

STEP 1: INSTALLATION OF ENVIRONMENTAL CONTROL FEATURES  
 - ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE PLANS ARE TO BE INSTALLED THROUGHOUT THE CLEARING AND GRUBBING LIMITS AT ENVIRONMENTALLY SENSITIVE AREAS AS SHOWN IN THE PLANS, OR AT AREAS AS DIRECTED BY THE PROJECT ADMINISTRATOR. THESE FEATURES INCLUDE, BUT ARE NOT LIMITED TO SILT FENCE, TURBIDITY BARRIERS, ETC.

STEP 2: CLEARING AND GRUBBING  
 - EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO CLEARING AND GRUBBING.

STEP 3: DRAINAGE SYSTEM OR STRUCTURE ENVIRONMENTAL CONTROL FEATURES  
 - ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE PLANS ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEMS OR STRUCTURES PRIOR TO SUCH EXCAVATION OR FILL. THESE ARE SILT FENCE, TURBIDITY BARRIERS, ETC.

STEP 4: MAINTENANCE OF ENVIRONMENTAL CONTROL FEATURES  
 - ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT AS NECESSARY FOR THE VARIOUS CONSTRUCTION PHASES. THE CONTRACTOR MUST ENSURE THAT ALL OF THESE FEATURES FUNCTION PROPERLY AT ALL TIMES.

A. EROSION AND SEDIMENT CONTROLS:  
 - (i) STABILIZATION PRACTICES:  
 - TEMPORARY TURF (SOO)  
 - TEMPORARY TURF (SOO)  
 - PERMANENT TURF (SOO)  
 - ARTIFICIAL COVERING  
 - BUFFER ZONES  
 - PRESERVATION OF NATURAL RESOURCES  
 - OTHER: THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP AS INDICATED IN SECTION 04 OF THE SPECIFICATIONS.

(ii) STRUCTURAL PRACTICES:  
 - SAND BAGGING  
 - SILT FENCES  
 - HAY BALES  
 - BERMS  
 - DIMENSION, INTERCEPT, OR PERIMETER DITCHES  
 - PIPE SLOPE DRAINS  
 - FLOWES  
 - ROCK BEDDING AT CONSTRUCTION EXIT  
 - FIBER BEDDING AT CONSTRUCTION EXIT  
 - LIFE SALES  
 - SEDIMENT BASINS  
 - STORM INLET SEDIMENT TRAP  
 - STORM OUTLET STRUCTURES  
 - CURBS AND GUTTERS  
 - RIPRAP  
 - STORM SEWERS  
 - VELOCITY CONTROL DEVICES  
 - TURBIDITY BARRIER

OTHER:  
 - THE CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP AS INDICATED IN SECTION 04 OF THE SPECIFICATIONS.

B. DESCRIPTION OF STORM WATER MANAGEMENT:  
 - STORMWATER RUNOFF WILL BE COLLECTED BY THE PROPOSED DITCHES AND DISCHARGED TO THE EXISTING STORMWATER MANAGEMENT FACILITIES.

C. OTHER CONTROLS:  
 - NO CONSTRUCTION WASTE WILL BE BURIED ON SITE AND MUST BE DISPOSED OF LEGALLY.

1. SITE DESCRIPTION

A. CONSTRUCTION ACTIVITY:  
 - ROADWAY CONSTRUCTION INCLUDES: INSTALLING CROSS DRAINS BY BOTH JACK AND BORE AND OPEN CUT METHODS; RE-GRADING EXISTING ROADSIDE DITCHES; GRADING NEW OFF-SITE DITCHES; AND INSTALLATION OF SOO.

PROJECT LIMITS:  
 - SR-307 FROM CR 303 TO WEST OF 1-92

PROJECT DESCRIPTION:  
 - DRAINAGE IMPROVEMENTS TO SR-307 FROM CR 303 TO WEST OF 1-92

B. MAJOR SOIL DISTURBING ACTIVITIES:  
 - THE MAJOR SOIL DISTURBING ACTIVITIES ARE MINOR GRADING AND INSTALLATION OF DRAINAGE PIPES.

C. TOTAL PROJECT AREA: 60.91 ACRES  
 - TOTAL AREA TO BE DISTURBED: 11.4 ACRES

D. 10 MINUTE COEFFICIENTS BEFORE, DURING, AND AFTER CONSTRUCTION:  
 - BEFORE: 0.35  
 - DURING: 0.35

(a) DESCRIPTION OF SOIL OR QUANTITY OF DISCHARGE:  
 - THE SOIL WITHIN THE PROPOSED SITE IS COMPOSED OF PREDOMINANTLY SANDY MATERIAL.

(b) ESTIMATES OF SIZE OF DRAINAGE AREA FOR EACH OUTFALL:  
 - OUTFALL 1: 417 ACRES  
 - OUTFALL 2: 174 ACRES

E. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS:  
 - OUTFALL 1 DISCHARGES FROM SMC A-2 TO THE WEST THROUGH A RICH SYSTEM LAUNDRY WASTEWATER LONGITUDE WP724.90°

- OUTFALL 2 DISCHARGES TO THE EAST THROUGH EXISTING TRIPLE A-2 RCP'S LATITUDE WSP741.00° LONGITUDE WP724.90°

F. (i) NAME OF RECEIVING WATERS:  
 - RCP'S WASTEWATER TREATMENT PLANT A-2 TO THE WEST THROUGH DITCHES AND DRAINAGE CHANNELS TO THE WASHOAR RIVER WATERSHED

(ii) COORDINATES TO THE EAST THROUGH EXISTING TRIPLE A-2 RCP'S AND COORDINATES EAST THROUGH A DITCH ALONG THE SIDE OF THE OLD HAUNGRAD RD

G. WETLAND AREA: TOTAL = 2.8 AC. TOTAL IMPACTED = 0.24 AC

DATE		REVISIONS		DESCRIPTION	
<b>EGDriver</b> <small>FLORIDA STATE DEPARTMENT OF TRANSPORTATION          TALLAHASSEE, FL 32329-0005          CERT. OF AUTH. 00000</small> ENGINEER OF RECORD: <b>John J. Johnson, P.E.</b> <small>P.E. NO. 6006</small>					
STATES OF FLORIDA		DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID	
ROAD NO		COUNTY		210253-5-52-01	
SR 207		ST. JOHNS			
SHEET NO. 52 STORMWATER POLLUTION PREVENTION PLAN <small>1/27/2007 2:07:51 PM I:\2007\5307\00000\SWPPP02.DWG</small>					

PRELIMINARY, SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007

TRAFFIC CONTROL GENERAL NOTES

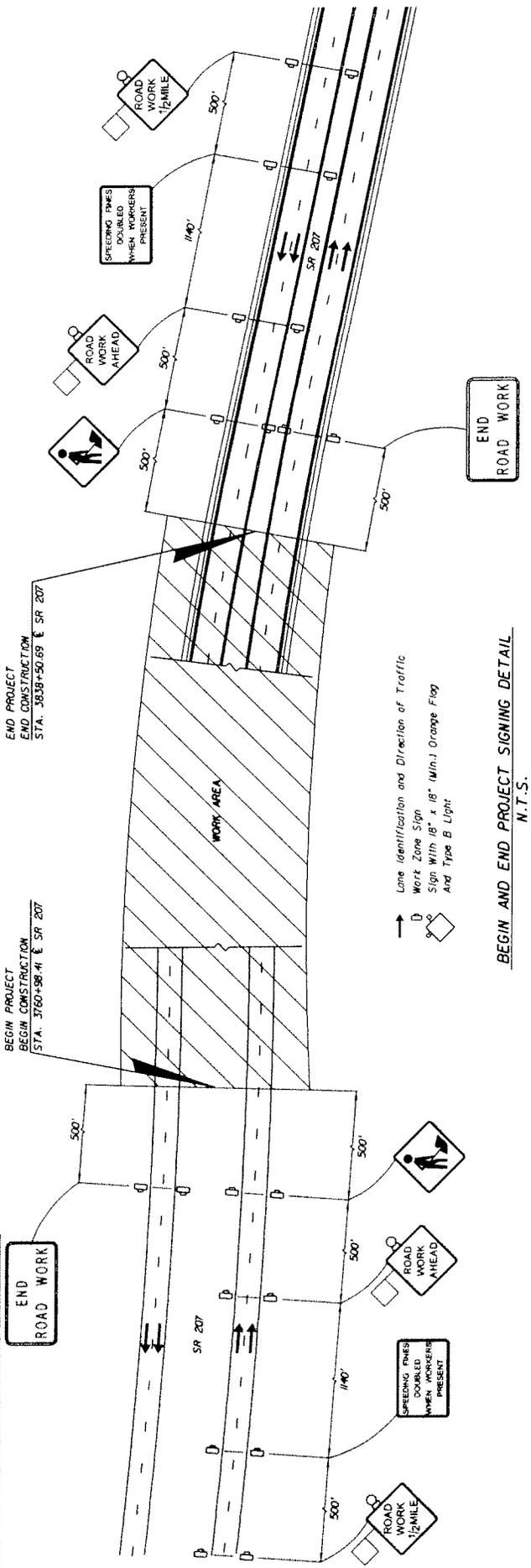
1. TRAFFIC CONTROL FOR THIS PROJECT WILL COMPLY WITH THE LATEST EDITION OF THE DESIGN STANDARDS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE FOOT SPECIFICATIONS.
2. THE POSTED SPEED SHALL REMAIN AS EXISTING FOR THE DURATION OF CONSTRUCTION.
3. THE ADVANCE WARNING SIGNS SHOWN ON THE "BEGIN AND END PROJECT SIGNING DETAIL" WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
4. ALL EXISTING PAVEMENT MARKINGS SHALL REMAIN.
5. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS OF NOTICE OF EVACUATION DUE TO A HURRICANE OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PROJECT ADMINISTRATOR.
6. AS FIELD CONDITIONS ALLOW, CONSTRUCTION PROCESSES MAY BE PERFORMED SIMULTANEOUSLY TO BETTER FACILITATE CONSTRUCTION METHODS.
7. USE STANDARD INDEXES 611 AND 612 FOR TRAFFIC CONTROL DURING ROADSIDE DITCH CONSTRUCTION.
8. PRIOR TO CONSTRUCTION OF DRAINAGE STRUCTURE S-400, INSTALL EROSION CONTROL DEVICES, TEMPORARY BARRIER WALL AND CHANNELIZING DEVICES AS SHOWN ON THE "JACK AND BARGE TRAFFIC CONTROL DETAIL". AFTER COMPLETION OF STRUCTURE S-400, RESTORE THE WORK AREA TO ITS PREVIOUS CONDITION AND REMOVE TRAFFIC CONTROL DEVICES.
9. PRIOR TO CONSTRUCTION OF DRAINAGE STRUCTURE S-401, INSTALL EROSION CONTROL DEVICES, TYPE III BARRICADES AND THE ROAD CLOSED SIGN AS SHOWN ON THE "STRUCTURE #01 TRAFFIC CONTROL DETAIL". AFTER COMPLETION OF S-401 REMOVE TYPE III BARRICADES AND REOPEN THE ROADWAY.

**TRAFFIC CONTROL - TABULATION OF QUANTITIES**

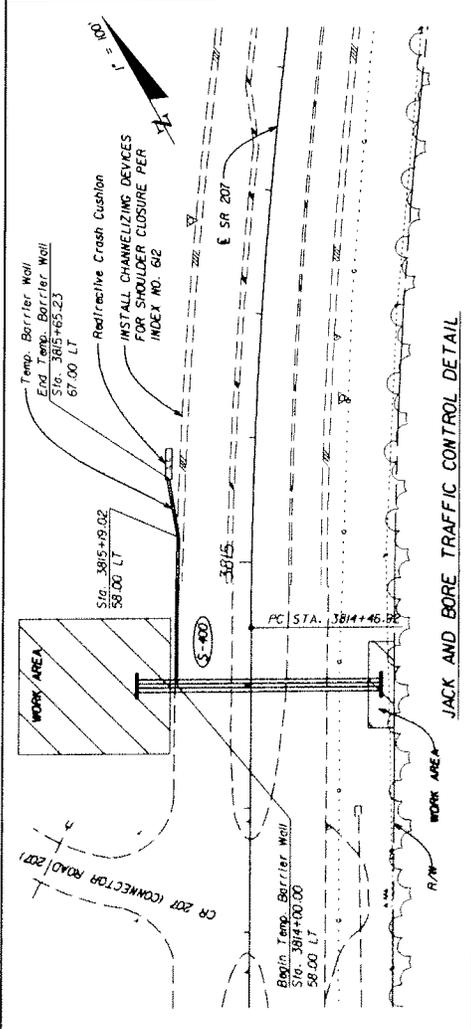
PAY ITEM NO.	DESCRIPTION	UNIT	DURATION		QUANTITY		TOTAL	
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
102-60	WORK ZONE SIGNS	EA						
102-71-1	BARRIER WALL, TEMP. (F&L, CONCRETE)	LF			21			
102-74-1	BARRICADE (TYPES I, II, VP, OR DRUM) (TEMPORARY)	EA			9			
102-74-2	BARRICADE (TYPE III-6) (TEMPORARY)	EA			6			
102-77	HIGH INTENSITY FLASHING LIGHTS (TEMPORARY TYPE B)	EA			8			
102-79	LIGHT-BARRIER WALL, TEMP., TYPE C (STEADY BURN)	EA			5			
102-89-7	CRASH CUSHION, TEMPORARY, REDIRECTIVE	LO			1			

<p>DATE: _____ BY: _____</p> <p>DESCRIPTION: _____</p> <p>DATE: _____ BY: _____</p> <p>DESCRIPTION: _____</p>	<p><b>EGDriver</b>  <small>FOR BECHTOLD ROSS REAL        TALLAHASSEE, FL 32324-5075        LICENSE        CERT. OF AUTH. #3336</small></p> <p>ENGINEER OF RECORD: <b>James J. Johnson, P.E.</b>  <small>P.E. # 10, 0308</small></p>	<p>STATES OF FLORIDA        DEPARTMENT OF TRANSPORTATION</p> <p>ROAD NO. SR 207 COUNTY ST. JOHNS FINANCIAL PROJECT ID 210253--5-52-01</p>	<p><b>TRAFFIC CONTROL        PLAN</b></p>
<p>7/27/2007 2:00:03 PM C:\02035350\10207000\10207000.DWG</p>			<p>SHEET NO. 53</p>

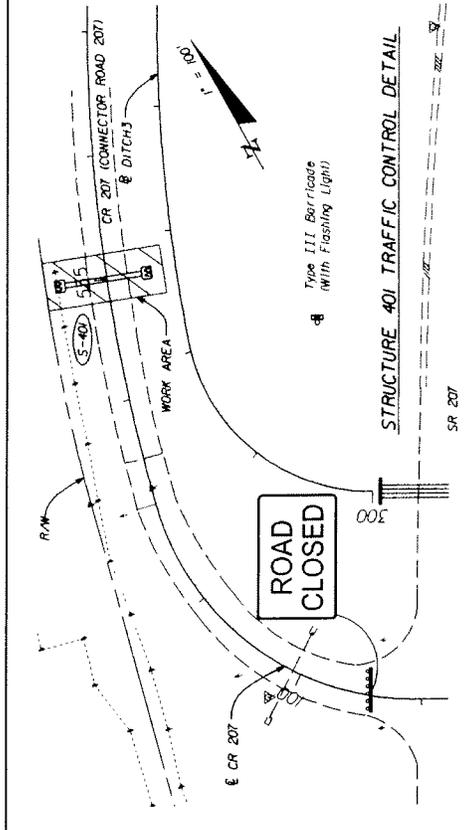
PRELIMINARY. SUBJECT TO CHANGE  
 PHASE II SUBMITTAL JULY 27, 2007



BEGIN AND END PROJECT SIGNING DETAIL  
 N.T.S.



JACK AND BORE TRAFFIC CONTROL DETAIL



STRUCTURE 401 TRAFFIC CONTROL DETAIL

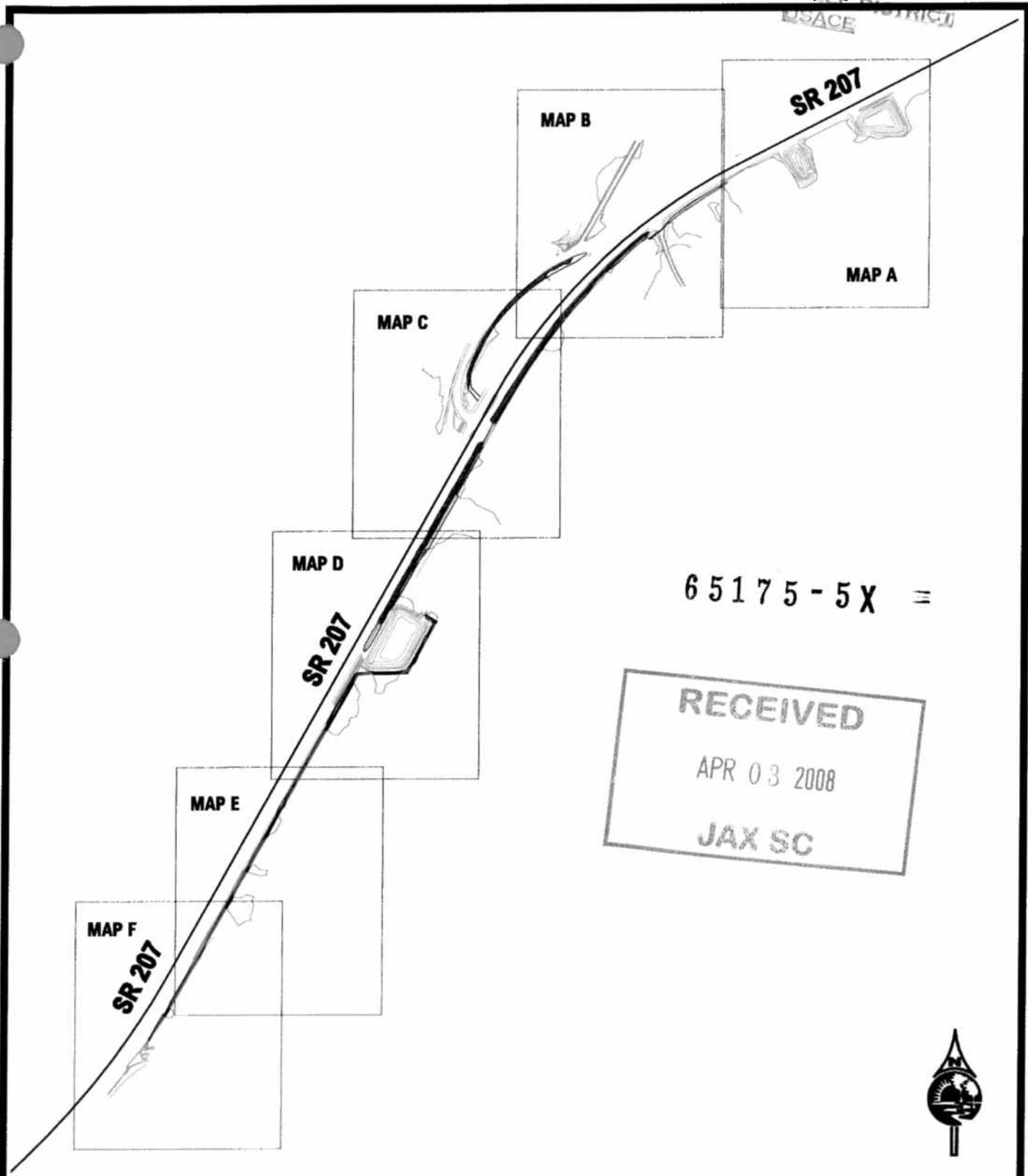
REVISIONS		STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		TRAFFIC CONTROL DETAILS		SHEET NO.
DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	ST.	PROJECT ID	NO.
			SR 207	ST. JOHNS	210253-5-52-01			54

**ECDriver** INC. DESIGN AREA: TRAFFIC CONTROL  
 10000 W. UNIVERSITY BLVD., SUITE 200  
 TAMPA, FLORIDA 33613  
 ENGINEER OF RECORD: JAMES J. JOHNS, P.E.  
 LICENSE NO. 62546

RECEIVED

APR 17 2008

JACKSONVILLE DISTRICT  
USACE



65175-5X =

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 APR 03 2008  
 JAX SC



Note: FLUCFCS lines and boundaries are approximate and are intended for planning purposes only.

Scale: 1"= 2000'

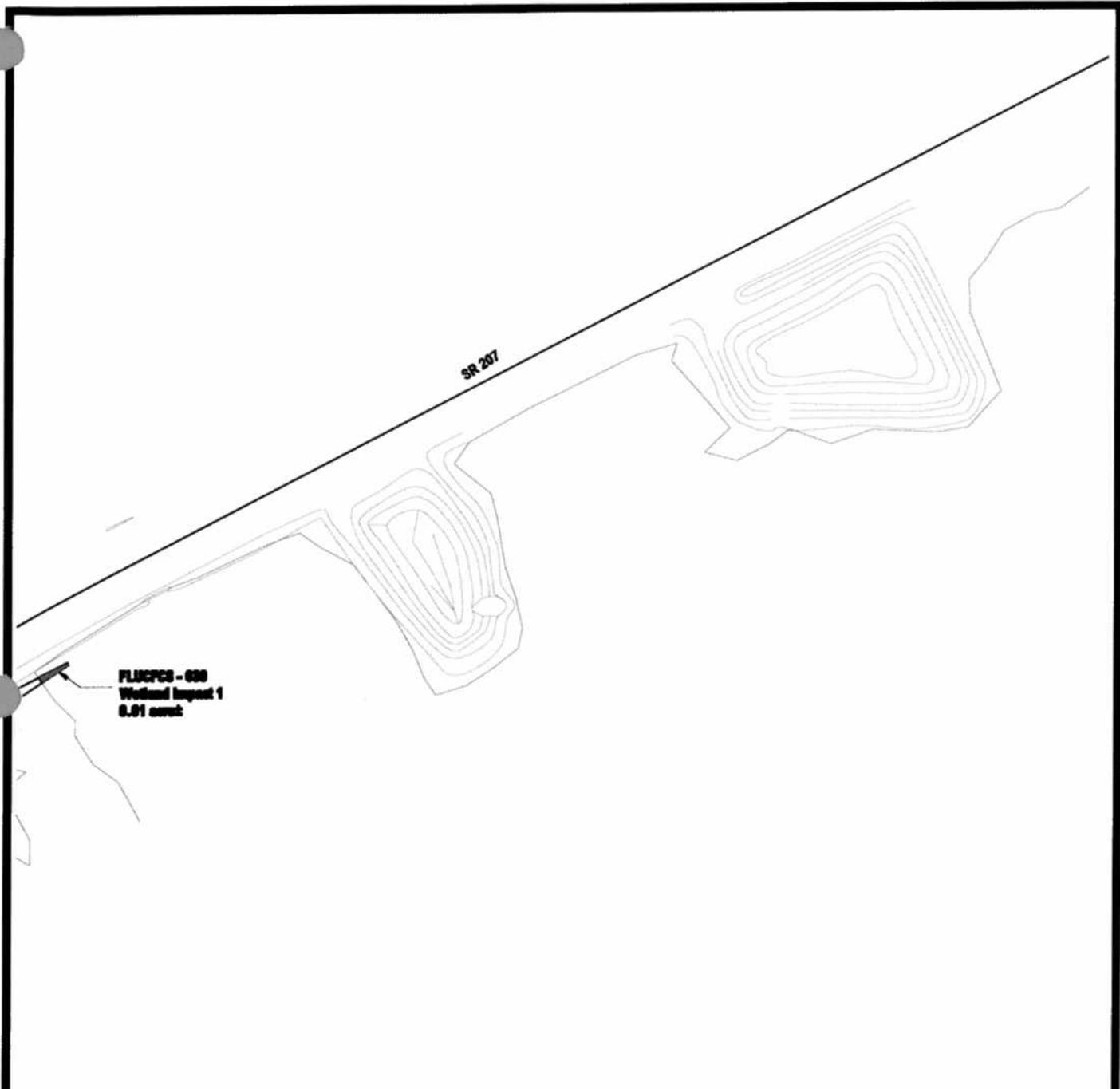


Environmental  
 Resource  
 Solutions Inc.  
 1597 The Green Way  
 Suite 200  
 Jacksonville Beach, FL 32260

**SR 207 - Drainage Improvements  
 Wetland Impact/FLUCFCS Key Map**

Source: EC Driver & Assoc.      File: 07035\_imp\_Flucs\_2-5-08

Project No.: 07035  
 Date: 1-21-08      Rev.: 2-5-08  
 By: KC      Exhibit No.: 4 KEY



Legend	
	Non-Jurisdictional Swale (NJS) Impacts - 2.66 ac.±
	Wetland Dredge Impacts - 0.96 ac.±

FLUCFCS Legend	
411	- Pine Flatwoods
441	- Coniferous Plantations
441H	- Hydric Coniferous Plantations
511	- Upland Cut Swale
621	- Cypress
630	- Wetland Forested Mixed
6301	- Wetland Forested Mixed (Harvested)
744	- Fill Areas



Note: FLUCFCS lines and boundaries are approximate and are intended for planning purposes only.

Scale: 1"= 200'



Environmental Resource Solutions Inc.  
1697 The Greens Way  
Suite 200  
Jacksonville Beach, FL 32260

**SR 207 - Drainage Improvements  
Wetland Impact/FLUCFCS Key Map**

Source: EC Driver & Assoc.      File: 07035\_imp\_Flca\_2-5-08

Project No.: 07035

Date: 1-21-08      Rev.: 2-5-08

By: KC      Exhibit No.: 4A

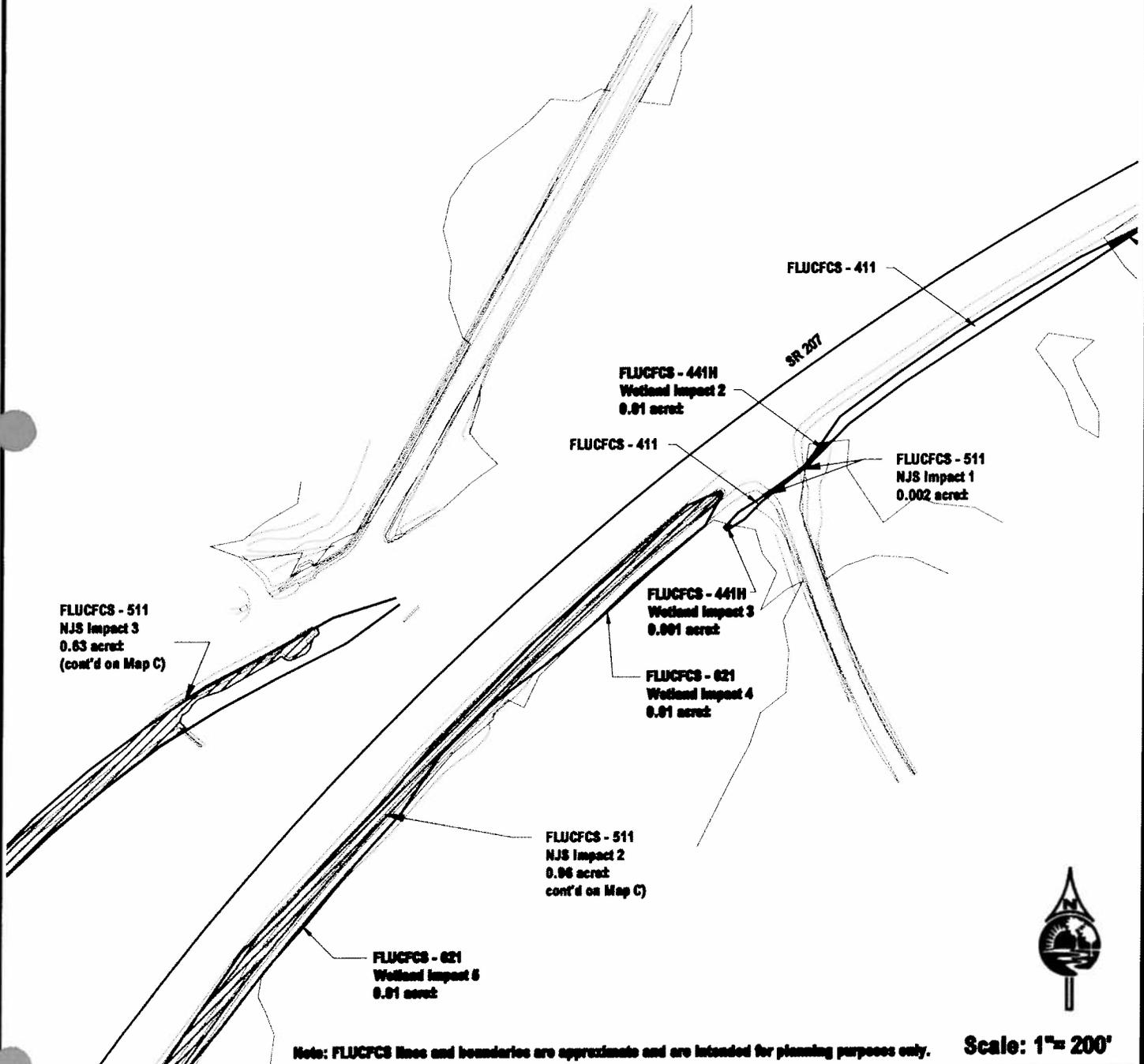
**Legend**

 **Non-Jurisdictional Swale (NJS) Impacts - 2.66 ac.±**

 **Wetland Dredge Impacts - 0.96 ac.±**

**FLUCFCS Legend**

- 411 - Pine Flatwoods
- 441 - Coniferous Plantations
- 441H - Hydric Coniferous Plantations
- 511 - Upland Cut Swale
- 621 - Cypress
- 630 - Wetland Forested Mixed
- 6301 - Wetland Forested Mixed (Harvested)
- 744 - Fill Areas



Note: FLUCFCS lines and boundaries are approximate and are intended for planning purposes only.

Scale: 1" = 200'



**Environmental Resource Solutions Inc.**  
 1507 The Greens Way  
 Suite 200  
 Jacksonville Beach, FL 32250

**SR 207 - Drainage Improvements  
 Wetland Impact/FLUCFCS Key Map**

Source: EC Driver & Assoc.

File: 07035\_imp\_Flucs\_2-5-08

Project No.: 07035

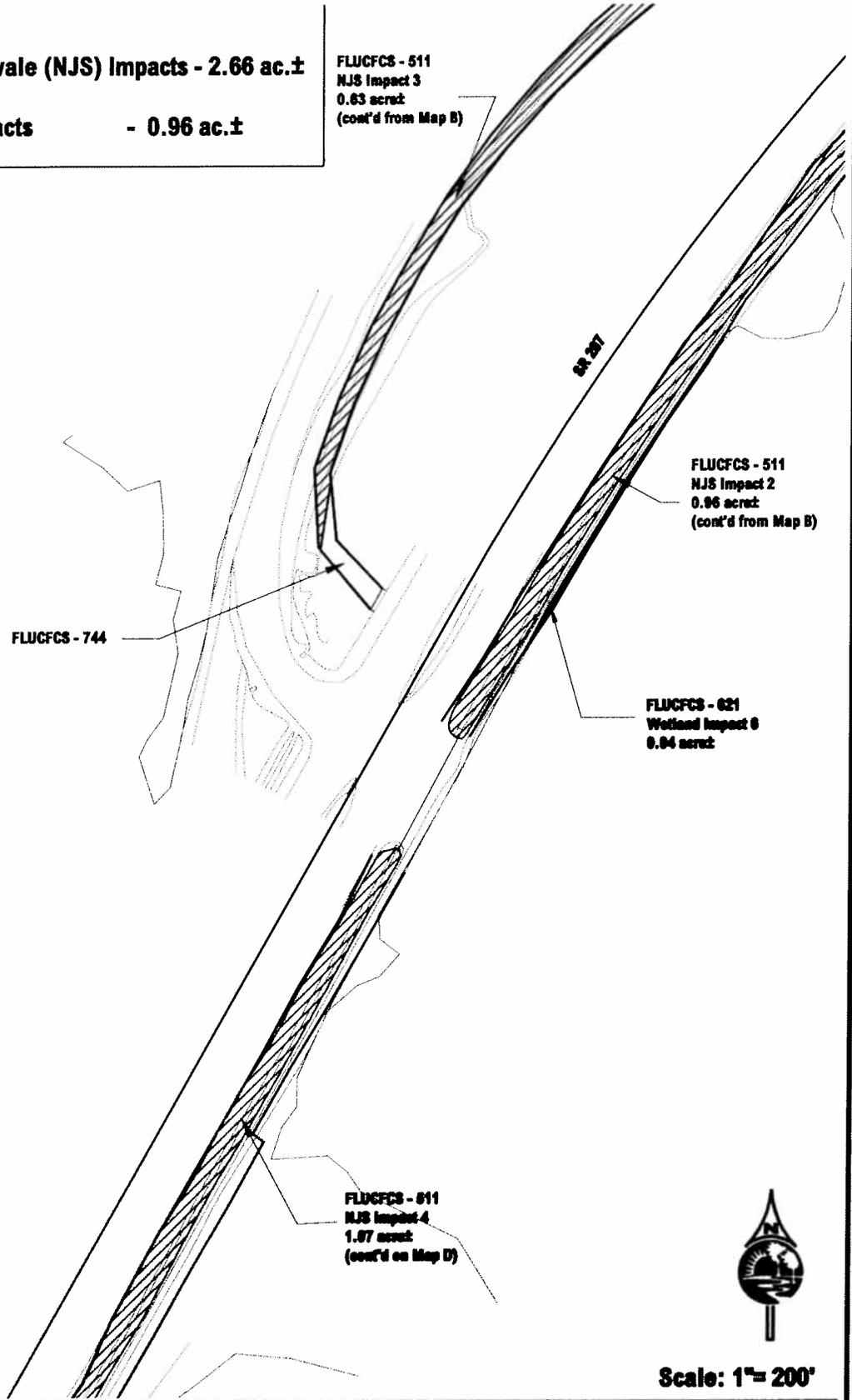
Date: 1-21-08 Rev.: 2-5-08

Bv: KC Exhibit No.: 4B

**Legend**

-  **Non-Jurisdictional Swale (NJS) Impacts - 2.66 ac.±**
-  **Wetland Dredge Impacts - 0.96 ac.±**

- FLUCFCS Legend**
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Note: FLUCFCS lines and boundaries are approximate and are intended for planning purposes only.



Scale: 1" = 200'



**Environmental Resource Solutions Inc.**  
 1507 The Green Way  
 Suite 200  
 Jacksonville Beach, FL 32260

**SR 207 - Drainage Improvements  
 Wetland Impact/FLUCFCS Key Map**

Source: EC Driver & Assoc.

File: 07035\_imp\_Files\_2-5-08

Project No.: 07035

Date: 1-21-08 Rev.: 2-5-08

By: KC

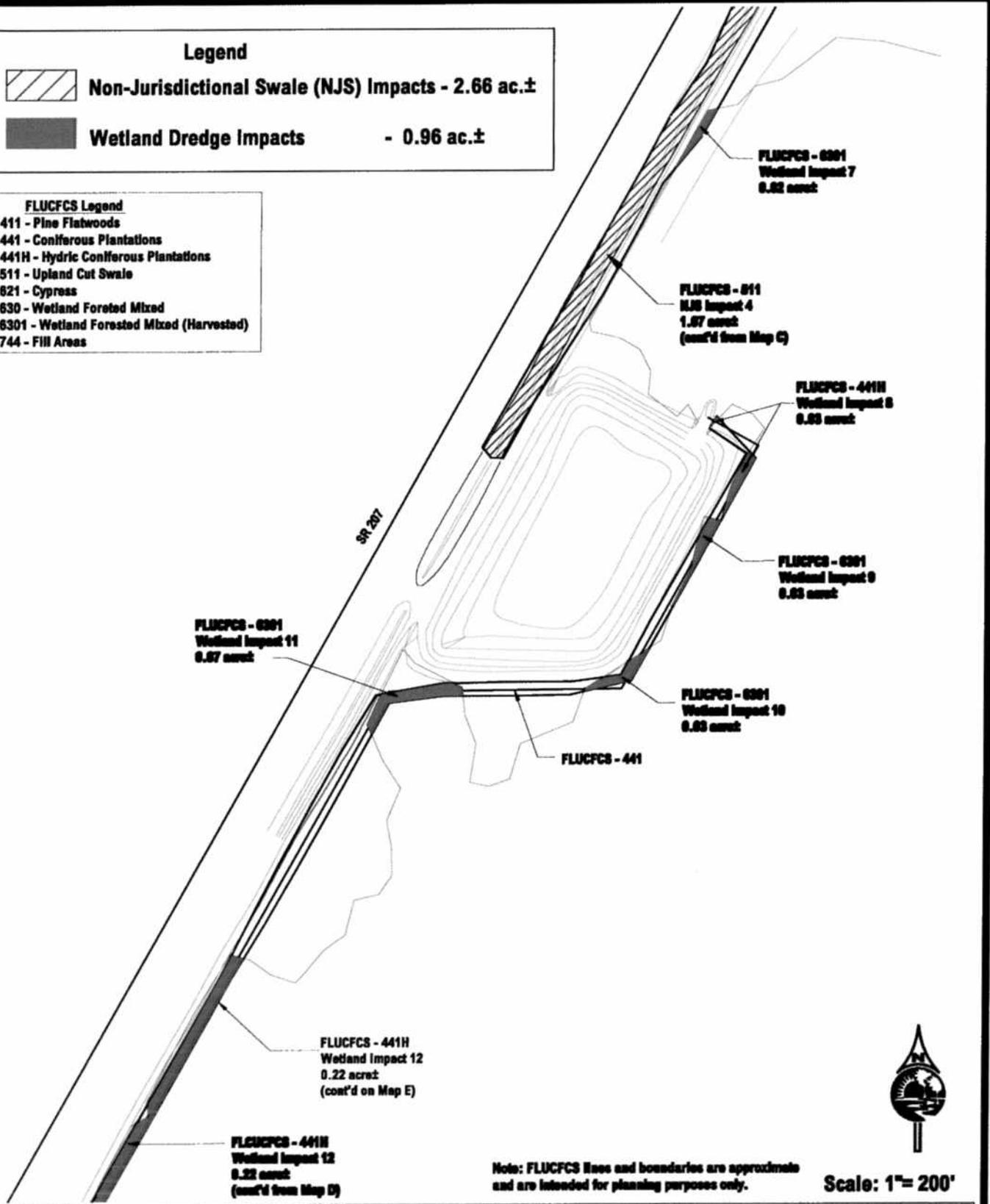
Exhibit No.: 4C

**Legend**

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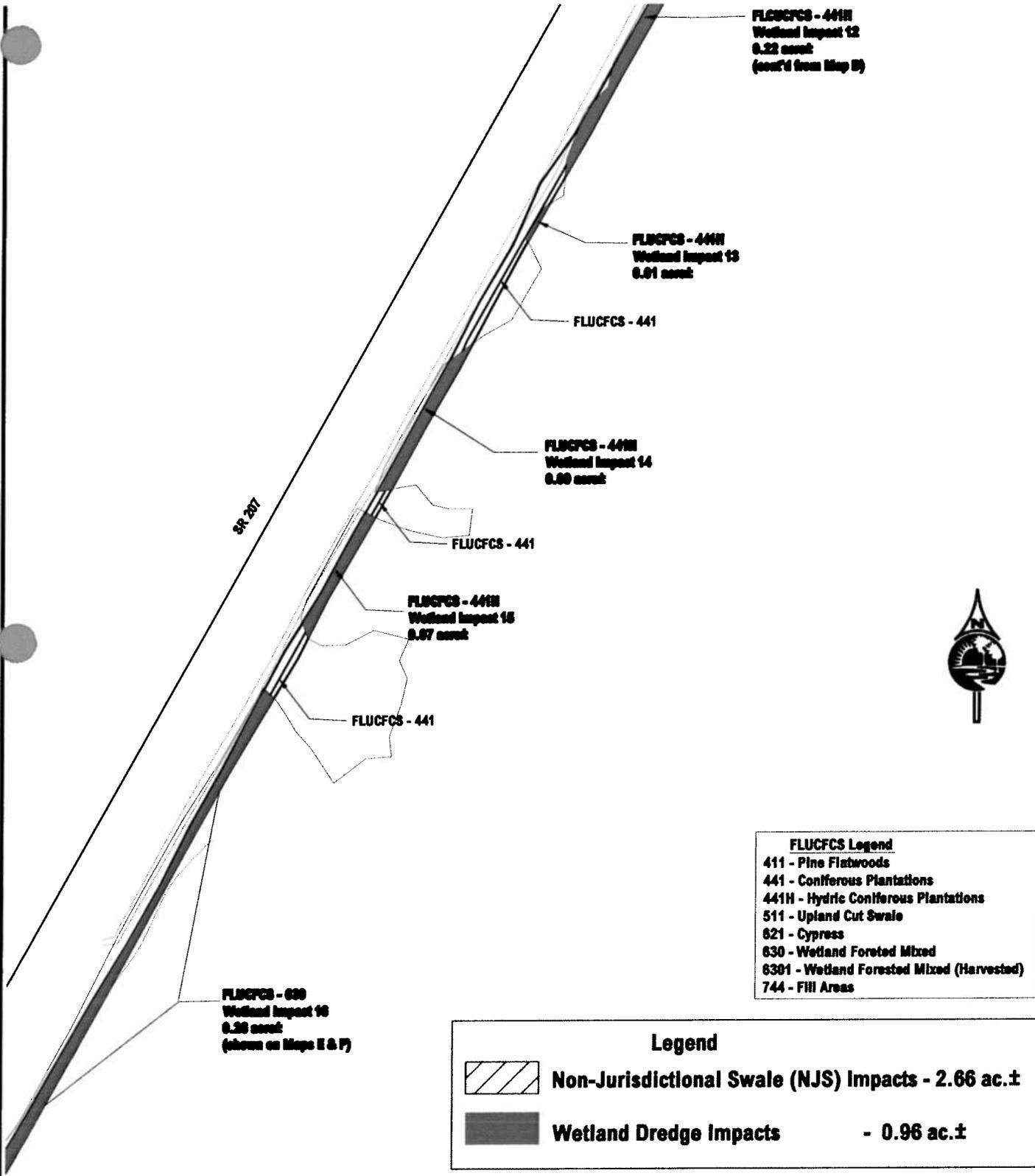
Note: FLUCFCS lines and boundaries are approximate and are intended for planning purposes only.

Scale: 1"= 200'

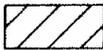


Environmental Resource Solutions Inc.  
1697 The Greens Way  
Suite 200  
Jacksonville Beach, FL 32250

<b>SR 207 - Drainage Improvements Wetland Impact/FLUCFCS Key Map</b>		Project No.: 07035	
		Date: 1-21-08	Rev.: 2-5-08
Source: EC Driver & Assoc.	File: 07035_imp_Flucs_2-5-08	By: KC	Exhibit No.: 4D



FLUCFCS Legend	
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441H	- Hydric Coniferous Plantations
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621	- Cypress
630	- Wetland Forested Mixed
6301	- Wetland Forested Mixed (Harvested)
744	- Fill Areas

Legend	
	Non-Jurisdictional Swale (NJS) Impacts - 2.66 ac.±
	Wetland Dredge Impacts - 0.96 ac.±

Note: FLUCFCS lines and boundaries are approximate and are intended for planning purposes only.

Scale: 1"= 200'



Environmental Resource Solutions Inc.  
 1607 The Greens Way  
 Suite 200  
 Jacksonville Beach, FL 32250

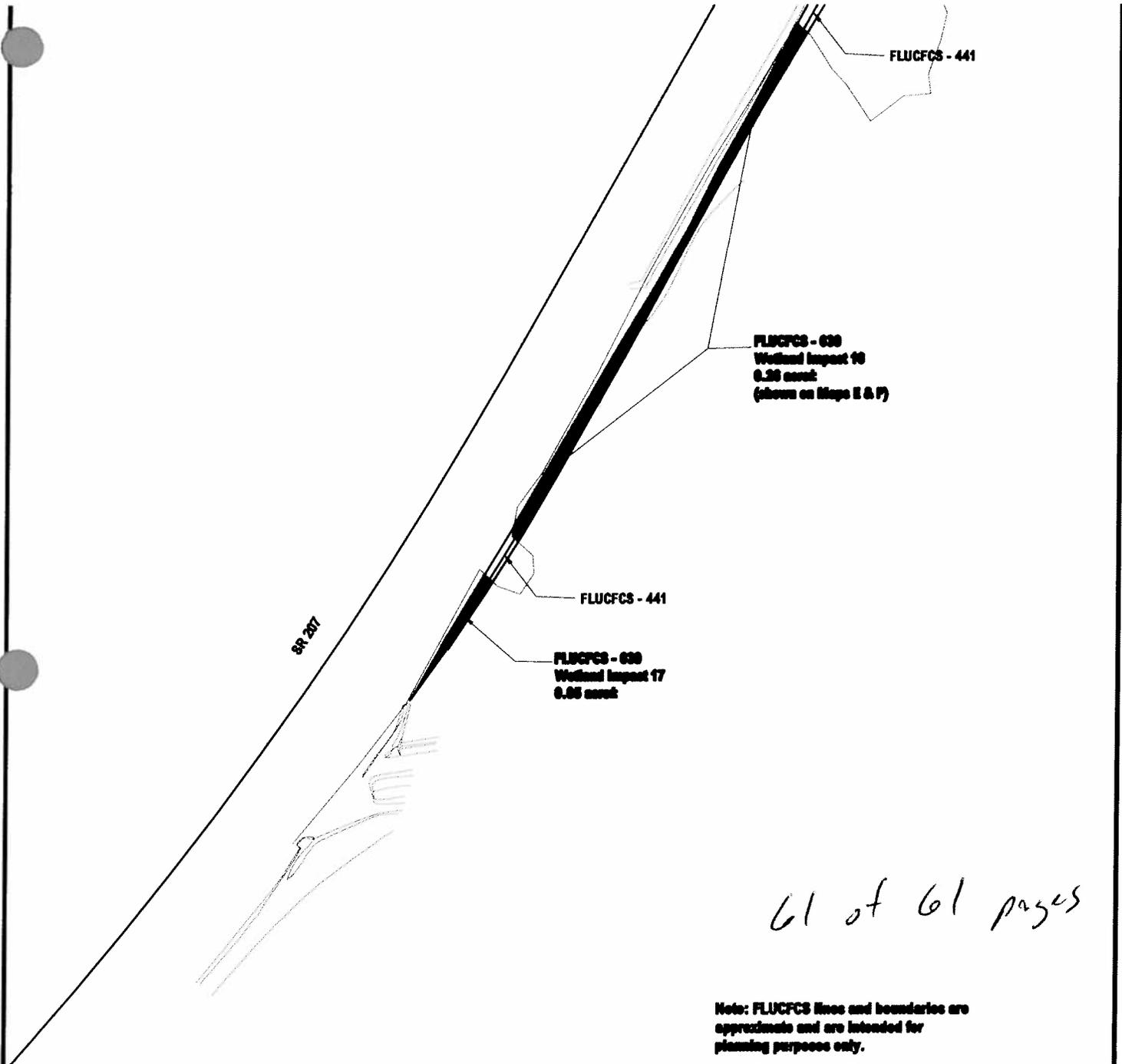
**SR 207 - Drainage Improvements  
 Wetland Impact/FLUCFCS Key Map**

Source: EC Driver & Assoc. | File: 07035\_imp\_Plan\_2-5-08

Project No.: 07035

Date: 1-21-08 | Rev.: 2-5-08

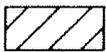
By: KC | Exhibit No.: 4E



61 of 61 pages

Note: FLUCFCS lines and boundaries are approximate and are intended for planning purposes only.

**Legend**

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	<b>Wetland Dredge Impacts - 0.96 ac.±</b>

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Scale: 1" = 200'



Environmental Resource Solutions Inc.  
1507 The Greens Way  
Suite 200  
Jacksonville Beach, FL 32250

**SR 207 - Drainage Improvements  
Wetland Impact/FLUCFCS Key Map**

Source: EC Driver & Assoc. | File: 07035\_imp\_Flucs\_2-6-08

Project No.: 07035

Date: 1-21-08 | Rev.: 2-5-08

Bv: KC | Exhibit No.: 4F

## STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

1. An eastern indigo snake protection/education plan shall be developed by the applicant or requestor for all construction personnel to follow. The plan shall be provided to the Service for review and approval at least 30 days prior to any clearing activities. The educational materials for the plan may consist of a combination of posters, videos, pamphlets, and lectures (*e.g.*, an observer trained to identify eastern indigo snakes could use the protection/education plan to instruct construction personnel before any clearing activities occur). Informational signs should be posted throughout the construction site and along any proposed access road to contain the following information:
  - a. a description of the eastern indigo snake, its habits, and protection under Federal Law;
  - b. instructions not to injure, harm, harass or kill this species;
  - c. directions to cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site on its own before resuming clearing; and,
  - d. telephone numbers of pertinent agencies to be contacted if a dead eastern indigo snake is encountered. The dead specimen should be thoroughly soaked in water and then frozen.
  
2. If not currently authorized through an Incidental Take Statement in association with a Biological Opinion, only individuals who have been either authorized by a section 10(a)(1)(A) permit issued by the Service, or by the State of Florida through the Florida Fish Wildlife Conservation Commission (FWC) for such activities, are permitted to come in contact with an eastern indigo snake.
  
3. An eastern indigo snake monitoring report must be submitted to the appropriate Florida Field Office within 60 days of the conclusion of clearing phases. The report should be submitted whether or not eastern indigo snakes are observed. The report should contain the following information:
  - a. any sightings of eastern indigo snakes and
  - b. other obligations required by the Florida Fish and Wildlife Conservation Commission, as stipulated in the permit.

Revised February 12, 2004

U.S. Army Corps of Engineers  
Permit # CAJ-1999-67  
Date: 9/12/08  
Attachment: 2



ST. JOHNS RIVER WATER MANAGEMENT DISTRICT  
Post Office Box 1429  
Palatka, Florida 32178-1429

PERMIT NO. 40-109-65175-5

DATE ISSUED: August 26, 2008

PROJECT NAME: SR 207 Drainage Improvements

**A PERMIT AUTHORIZING:**

Modification to the existing Surface Water Management System for SR 207.

**LOCATION:**

Section(s): 17, 18, 19      Township(s): 8S      Range(s): 29E

St. Johns County

Florida Department of Transportation  
1109 S Marion Ave MS-2002  
Lake City, FL 32025

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all plans and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to permittee any property rights nor any rights of privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes:

**PERMIT IS CONDITIONED UPON:**

See conditions on attached "Exhibit A", dated August 26, 2008

**AUTHORIZED BY:** St. Johns River Water Management District  
Department of Resource Management

By:   
\_\_\_\_\_  
(Service Center Director - Jacksonville)  
David Miracle

U.S. Army Corps of Engineers  
Permit # SAJ-1998-607  
Date: 9/12/08  
Attachment: 3



**"EXHIBIT A"**  
**CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 40-109-65175-5**  
**FLORIDA DEPARTMENT OF TRANSPORTATION**  
**DATED AUGUST 26, 2008**

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.
4. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988), which are incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
5. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.
6. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40C-4.900(3) indicating the actual start date and the expected completion date.
7. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40C-4.900(4). These forms shall be submitted during June of each year.
8. For those systems which will be operated or maintained by an entity which will require an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance documents as are required by subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters, must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of the Applicant's Handbook will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or the Clerk of the Circuit Court must be so recorded prior

to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

9. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by the portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to local government or other responsible entity.
10. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing As Built Certification Form 40C-1.181(13) or 40C-1.181(14) supplied with this permit. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:
  1. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;
  2. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;
  3. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine state-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;
  4. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;
  5. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;
  6. Existing water elevation(s) and the date determined; and Elevation and location of benchmark(s) for the survey.

11. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of general condition 9 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters, accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such an approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the responsible approved operation and maintenance entity, if different from the permittee. Until the permit is transferred pursuant to section 7.1 of the Applicant's Handbook: Management and Storage of Surface Waters, the permittee shall be liable for compliance with the terms of the permit.
12. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior implementation so that a determination can be made whether a permit modification is required.
13. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and chapter 40C-4 or chapter 40C-40, F.A.C.
14. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under rule 40C-1.1006, F.A.C., provides otherwise.
16. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of rule 40C-1.612, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
17. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.
18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.
19. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.
20. This permit for construction will expire five years from the date of issuance.
21. All wetland areas or water bodies that are outside the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity, and dewatering.

22. Prior to construction, the permittee must clearly designate the limits of construction on-site. The permittee must advise the contractor that any work outside the limits of construction, including clearing, may be a violation of this permit.
23. The operation and Maintenance entity shall submit inspection reports to the District two years after the operation phase permit becomes effective and every two years thereafter on District Form EN-46. The inspection form must be signed and sealed by an appropriate registered professional.
24. The modifications to the surface water management system must be constructed as per plans received by the District on April 3, 2008.

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineered drawings to the U.S. Army Corps of Engineers, Enforcement Branch, Post Office Box 4970, Jacksonville, Florida 32232-0019. If you have questions regarding this requirement, please contact the Enforcement Branch at 904-232-2907.

1. Department of the Army Permit Number: \_\_\_\_\_

2. Permittee Information:

Name \_\_\_\_\_

Address \_\_\_\_\_

3. Project Site Identification:

Physical location/address \_\_\_\_\_

4. As-Built Certification:

I hereby certify that the authorized work has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

\_\_\_\_\_  
Signature of Engineer

\_\_\_\_\_  
Name (Please type)

\_\_\_\_\_  
Florida Reg. Number

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State ZIP

(Affix Seal)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Telephone Number

Deviations from the approved plans and specifications: (attach additional pages if necessary)

U.S. Army Corps of Engineers  
Permit # 695.1999-607  
Date: 9/12/08  
Attachment: 4



# Statement of Findings

Number: \_\_\_\_\_



Conversion services provided by:

**MICROGRAPHICS**

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1925-A NW Second Street  
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CESAJ-RD-NC (1145b)  
SAJ-1999-607(IP-AWP)

MEMORANDUM FOR RECORD

SUBJECT: Department of the Army Environmental Assessment and  
Statement of Findings for the Above-numbered Permit Application

1. Applicant: Florida Department of Transportation - District 2  
Attn: Van Humphreys  
1109 South Marion Avenue  
Lake City, Florida 32025

2. Location, Project Description, Existing Conditions: The project is located along State Road (SR) 207, between Elkton and Vermont Heights, in Sections 9, 16, 19, and 30, Township 8 South, Range 29 East; and Sections 24 and 25, Township 8 South, Range 28 East, St. Johns County, Florida. The project as proposed will impact wetlands associated with Deep Creek.

The U.S. Army Corps of Engineers (Corps) issued Department of the Army (DA) permit number SAJ-1999-607 to Florida Department of Transportation (FDOT) for the widening of SR 207 from two lanes to four lanes in 2002. The road has been widened in accordance with the DA permit. An adjacent property owner has claimed the project is adversely impacting their property and has taken the applicant to court. The Seventh Judicial Circuit Court stipulated a final judgment requiring the applicant reconstruct a roadside ditch to alleviate off-site impacts. As a result, the applicant proposes impact 0.96 acre of waters of the United States (wetlands) for the construction of a ditch to collect and divert water off the adjacent property. Additionally, the applicant proposes to fill the existing stormwater management system which is not a regulated resource.

The on-site wetlands consist of forested freshwater systems. The onsite vegetation consists of red maple, mixed bays, cypress, and sweet gum. The existing area surrounding the project area consists of timber lands and active agricultural areas.

3. Project Purpose: Basic: Construct a roadside ditch.

Overall: Construction of roadside ditches along SR 207 between Elkton and Vermont Heights.

4. Scope of Analysis: The scope of analysis was limited to the project site and included endangered species, essential fisheries habitat concerns, and cultural resources.

CESAJ-RD-NC (SAJ-1999-607(IP-AWP))

SUBJECT: Department of the Army Environmental Assessment and Statement of Findings on the Above-Numbered Permit Application.

5. Statutory Authority: Section 404 of the Clean Water Act (33 U.S.C. 1344).

6. Other Federal, State, and Local Authorizations Obtained or Required and Pending:

a. State Permit/Certification: The St. Johns River Water Management District (SJRWMD) permit number 40-109-65175-5 was issued on 26 August 2008.

b. Coastal Zone Management (CZM) consistency/permit: There is no evidence or indication from the State of Florida that the project is inconsistent with the Florida Coastal Zone Management Plan. Issuance of a SJRWMD permit certifies that the project is consistent with the CZM plan.

c. Other Authorizations: No information has been received regarding any other authorizations that may be required.

7. Date of Public Notice and Summary of Comments

a. The application was received on 7 April 2008. After receiving additional information the application was considered complete on 28 August 2008. A public notice was issued on 28 August 2008, and sent to all interested parties including appropriate State and Federal agencies. All comments received on this application have been reviewed and are summarized below:

(1) Environmental Protection Agency (EPA): Did not respond to the public notice.

(2) U.S. Fish and Wildlife Service (FWS): Did not respond to the public notice.

(3) National Marine Fisheries Service (NMFS): Did not respond to the public notice.

(4) State Historic Preservation Officer (SHPO): Did not respond to the public notice.

(5) No comments were received from State or Local agencies, organizations, individuals or any other interested party.

CESAJ-RD-NC (SAJ-1999-607(IP-AWP))

SUBJECT: Department of the Army Environmental Assessment and Statement of Findings on the Above-Numbered Permit Application.

b. Applicant's response to the comments: No adverse comments were received. No comments were sent to the applicant.

8. Alternatives:

a. Avoidance (No action, uplands, availability of other sites): The no action alternative would not allow for project completion. The Seventh Judicial Circuit Court stipulated a final judgment in the case of Rayonier Forest Resources, L.P. vs. State of Florida, Department of Transportation on 20 June 2006. The applicant must re-construct roadside ditches which existed prior to the widening of SR 207 to alleviate adverse impacts which currently exist at the Rayonier parcel. The applicant was not asked to explore avoidance alternatives given the results of the circuit court judgment.

b. Minimization (modified project designs, etc.): The project has been minimized to the maximum extent possible that would allow the applicant to achieve the project purpose. The applicant proposed to re-construct the roadside ditches within the right-of-way and modify the existing stormwater system to alleviate adverse impacts to adjacent properties. The applicant has proposes to restore the ditches to the minimum size necessary to achieve the project purpose. The applicant was not asked to further explore minimization alternatives beyond those already achieved.

c. Compensatory Mitigation (Wetland enhancement, creations, etc.): The SJRWMD has advised the applicant that the project will cause a complete loss of function within an area extending 100-feet from the top of bank of the proposed ditch; approximately 13.75 acres. SJRWMD is requiring compensatory mitigation for the 13.75 acres impact (9.20 functional units of loss). The applicant is currently evaluating the drawdown effects of the proposed ditch by installing and monitoring piezometers in the adjacent wetlands. If the piezometers suggest that hydrologic impacts are not occurring outside of the 100-foot assessment area and to the degree SJRWMD suspects the SJRWMD will reduce their mitigation requirement.

The Corps does not concur with the SJRWMD assessment and believes the applicant's functional assessment accurately reflects the anticipated loss of wetland function. The Corps believes the primary loss of function will occur to hydrologic and vegetative parameters with a small reduction in the buffer

CESAJ-RD-NC (SAJ-1999-607(IP-AWP))

SUBJECT: Department of the Army Environmental Assessment and Statement of Findings on the Above-Numbered Permit Application.

score. The excavation expected to cause the loss of 0.23 functions and the secondary impacts to adjacent wetlands are expected to cause the loss of 1.0 function. The Corps has determined the project will cause the total loss of 1.23 wetland functions. The applicant will provide compensatory mitigation and the Corps will special condition any permit issued to include compensatory mitigation. The inclusion of a compensatory mitigation special condition will ensure the project meets the 404(b)(1) guidelines.

Mitigation will be completed in accordance with section 373.4137, Florida Statutes, (F.S.). The widening of SR 207 was mitigated by contributing mitigation funds to acquire the 1,185-acre Ella Yarborough Estate Tract, which was the key parcel for the implementation of the SJRWMD regional treatment system and the protection of fish and wildlife within the Deep Creek sub-basin. The Yarborough tract encompasses approximately 351 acres of wetlands, which are primarily floodplain forest and bottomland forest. The SJRWMD proposes to mitigate the proposed project by contributing mitigation funds to acquire additional parcels within the regional treatment system and Basins 8 and 9. The mitigation will include preservation and enhancement of uplands and wetlands in the Deep Creek basin and construction of agricultural runoff treatment systems (TCAA, Yarborough & Edgefield).

9. Evaluation of the 404(b)(1) Guidelines: The proposed project has been reviewed in accordance with the 404 (b)(1) Guidelines. The review shows that all the alternatives have been reviewed and it has been adequately demonstrated that the proposed alternative is the least environmentally damaging and only practicable alternative considering cost, existing technology and logistics. It would not cause or contribute to violations of State Water quality standards, jeopardize the existence of any endangered species or impact a marine sanctuary. No significant degradation would be expected and all appropriate and practicable steps have been taken to minimize impacts.

10. Public Interest Review:

a. Corps analysis of comments and responses: All comments received in response to the public notice have been considered in the following public interest review.

CESAJ-RD-NC (SAJ-1999-607(IP-AWP))

SUBJECT: Department of the Army Environmental Assessment and Statement of Findings on the Above-Numbered Permit Application.

b. All public interest factors have been reviewed, including but not limited to the effects the work might have on conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, land use, navigation, shore erosion and accretion, recreation, water quality, safety, and consideration of property ownership. It has been determined that the proposed work will not adversely impact any of the public interest factors.

c. Describe the relative extent of the public and private need for the proposed structure or work: Public benefits include elimination of adverse impacts to adjacent properties. Private benefits include restoration of roadside ditches which will eliminate existing adverse impacts caused by the construction of the roadway.

d. Describe the practicability of using reasonable alternative locations and methods to accomplish the objective of the purposed work where there are unresolved conflicts as to resource use: There are no unresolved conflicts regarding resource use.

e. Describe the extent and permanence of the beneficial and/or detrimental effects which the proposed work is likely to have on the public and private uses to which the area is suited: Detrimental impacts are expected to be minimal although they would be permanent in the construction area. The beneficial effects associated with the ditch installation will be permanent.

f. Threatened or Endangered Species: During the permitting of the road widening the Corps determined the project would have "no effect" on federally listed species. Since that determination the Corps has received new information indicating the project is located within the Core Foraging Area of the endangered wood stork. The Corps has determined the proposed project will have no effect on wood stork because the creation of roadside ditches provide foraging habitat for the wood stork. Additionally, the Corps determined the project may affect, but is not likely to adversely affect the eastern indigo snake with the inclusion of the Standard Eastern Indigo Snake Protection Measures in any permits authorizing the proposed work. This determination was made based on the large amount of undisturbed habitat surrounding the project site.

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The FWS concurred with these determinations via letter dated 15 August 2008.

g. Essential Fisheries Habitat (EFH): The public notice included an initial determination that the project would not have an adverse impact on EFH or Federally managed fisheries. The NMFS did not provide any EFH conservation recommendations in response to the public notice. Therefore, the Corps is satisfied that the consultation procedures outlined in 50 CFR Section 600.920 of the regulation to implement the EFH provisions of the Magnuson-Stevens Act have been met.

h. Corps Wetland Policy: The proposed wetland alteration is necessary to realize the project purpose and should result in minimal adverse environmental impacts. The benefits of the project would outweigh the minimal detrimental impacts. The project would result in a no-net loss of wetland functions and values. Therefore the project is in accordance with the Corps wetland policy.

i. Cumulative and Secondary Impacts: The project as proposed should not cause cumulative or secondary impacts. Excavation of wetlands at this project site would not set precedent for additional impacts in waters of the United States. The applicant proposes compensatory mitigation within the same drainage basin thereby eliminating cumulative wetland losses. Additionally, the applicant will implement best management practices during construction which will reduce the likelihood of adverse secondary impacts.

j. Corps Comments and Responses: No comments were received.

#### 11. Determinations:

a. Finding of No Significant Impact (FONSI). Having reviewed the information provided by the applicant and all interested parties and an assessment of the environmental impacts, I find that this permit action will not have a significant impact on the quality of the human environment. Therefore, an Environmental Impact Statement will not be required.

b. Compliance with 404(b)(1) guidelines. Having completed the evaluation in paragraph 7 above, I have determined that the proposed discharge complies with the 404(b)(1) guidelines.

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c. Public interest determination: I find that issuance of a Department of the Army permit is not contrary to the public interest.

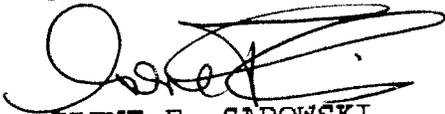
d. Section 176(c) of the Clean Air Act General Conformity Rule Review: The proposed permit action has been analyzed for conformity applicability pursuant to regulations implementing Section 176(c) of the Clean Air Act. It has been determined that the activities proposed under this permit will not exceed de minimis levels of direct emissions of a criteria pollutant or its precursors and are exempted by 40 CFR Part 93.153. Any later indirect emissions are generally not within the Corps' continuing program responsibility and generally cannot be practicably controlled by the Corps. For these reasons a conformity determination is not required for this permit action.

PREPARED BY:



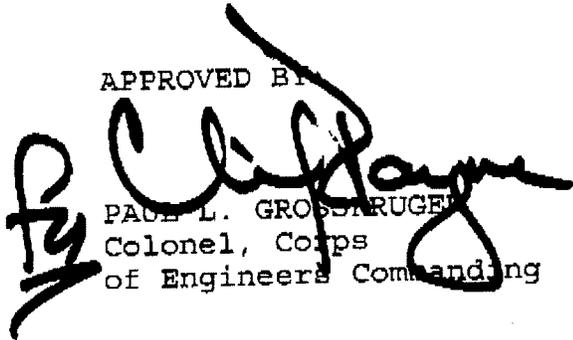
ANDREW W. PHILLIPS  
Project Manager

REVIEWED BY:



IRENE F. SADOWSKI  
Chief, Cocoa Permits  
Section

APPROVED BY:



PAUL L. GROSSARUGER  
Colonel, Corps  
of Engineers Commanding

CF:  
CESAJ-RD-PE