

# LEON COUNTY DEPARTMENT OF PUBLIC WORKS

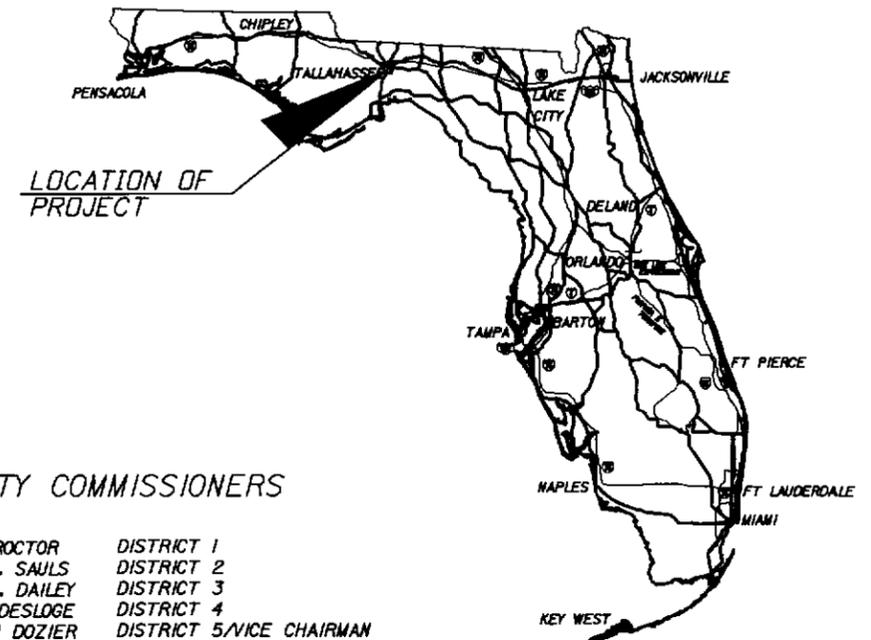
A DETAILED INDEX APPEARS ON THE  
KEY SHEET OF EACH COMPONENT

## INDEX OF DRAINAGE PLANS

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17	LIMITS OF CONSTRUCTION

## CONSTRUCTION PLANS

### LOUVINIA DRIVE/PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS

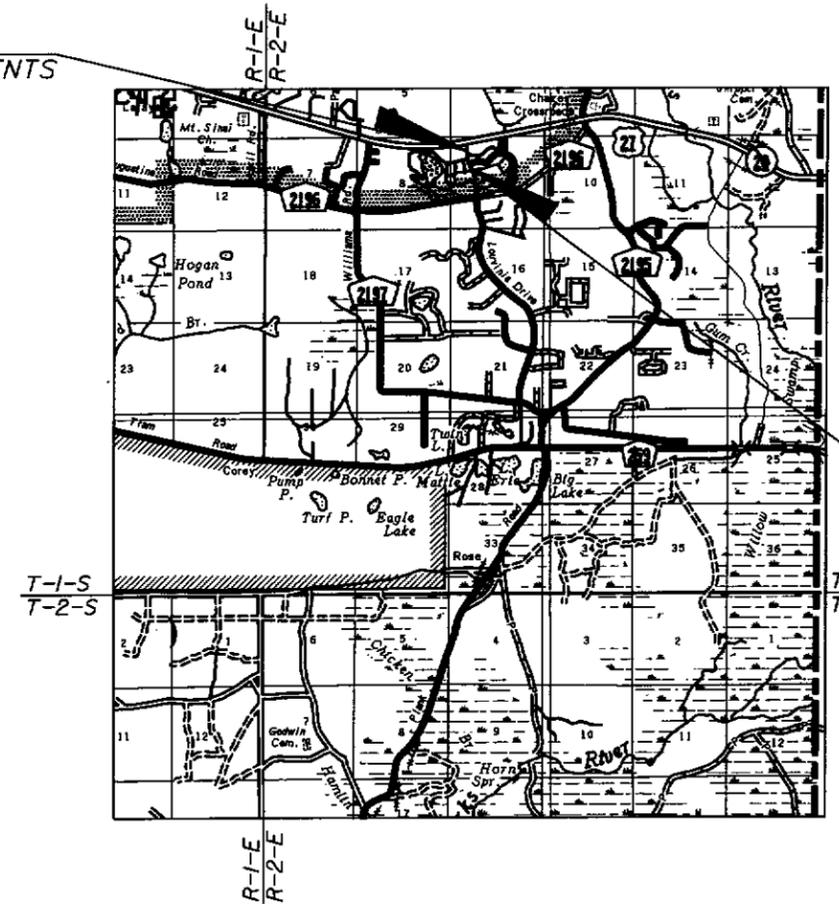


LOCATION OF PROJECT

#### COUNTY COMMISSIONERS

- |                  |  |
|------------------|--|
| BILL PROCTOR     | DISTRICT 1                                       |
| JANE G. SAULS    | DISTRICT 2                                       |
| JOHN E. DAILEY   | DISTRICT 3                                       |
| BRYAN DESLOGE    | DISTRICT 4                                       |
| KRISTIN DOZIER   | DISTRICT 5/VICE CHAIRMAN                         |
| NICK MADDOX      | AT-LARGE/CHAIRMAN                                |
| MARY ANN LINDLEY | AT-LARGE   |
| TONY PARK        | DIRECTOR OF PUBLIC WORKS & COMMUNITY DEVELOPMENT |
| VINCENT LONG     | COUNTY ADMINISTRATOR                             |

BEGIN PROJECT  
DRAINAGE IMPROVEMENTS  
STA 10+20.00



END PROJECT  
DRAINAGE IMPROVEMENTS  
STA 19+00.00

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:



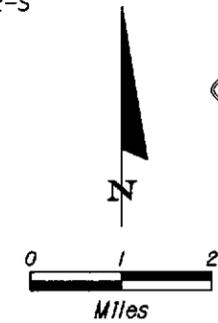
**LEON COUNTY DEPARTMENT OF PUBLIC WORKS**  
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
PHONE (850) 606-1500 \* FAX (850) 608-1501

PLANS PREPARED BY:

#### REGISTE, SLIGER ENGINEERING, INC.

CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
CERT. OF AUTHORIZATION # 9292  
3370 Capital Circle NE, Suite J - Tallahassee, FL 32308  
PHONE: (850) 894-4521 - FAX: (850) 224-0505

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



#### GOVERNING STANDARDS AND SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, 2013 DESIGN STANDARDS AND REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND 2013 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS.

For Design Standards click on the "Design Standards" link at the following website:  
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following website:  
<https://www.dot.state.fl.us/specificationsofflow/>

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

*Danielle M. Murrero*  
07/01/13

ENGINEER OF RECORD: DANIELLE MARRERO, P.E.

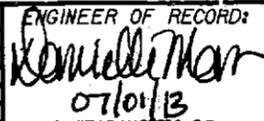
P.E. NO. 66450

FISCAL YEAR	SHEET NO.
13	G1

STORMWATER MANAGEMENT CONTROL OFFICER:  
BETSY THORPE 606-1522

LEON COUNTY PROJECT MANAGER: FELTON ARD, P.E.

ITEM NUMBER	SUMMARY OF ITEMS ITEM	UNIT	QUANTITY
0101 1	MOBILIZATION	LS	1
0102 1	MAINTENANCE OF TRAFFIC	LS	1
0104 10 3	SEDIMENT BARRIER	LF	539
0104 18	INLET PROTECTION SYSTEM	EA	4
0110 1 1	CLEARING & GRUBBING	LS	1
0110 15 2	ARBORIST WORK - COMPLETE	LS	1
0120 1	REGULAR EXCAVATION	CY	94
0120 6	EMBANKMENT	CY	35
0425 2 61	MANHOLES, P-8, <10'	EA	1
0425 2 91	MANHOLES, J-8, <10'	EA	1
0425 1521	INLETS, DT BOT, TYPE C, <10'	EA	4
0430174224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24" SD	LF	72
0430175124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	LF	416
0430984129	MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	1
0430984629	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 24" SD	EA	4
0524 1 1	CONCRETE DITCH PAVT, NON REINFORCED, 3"	SY	32
0570 1 2	PERFORMANCE TURF, SOD	SY	1585
0705 10 2	OBJECT MARKER, TYPE 2	EA	22
0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	30
LC001	AS-BUILT SURVEY	EA	1

<b>REVISIONS</b> DATE BY DESCRIPTION		INITIAL DRAWN BY B.A.W. CHECKED BY C.M.C. DESIGN BY D.E.W. CHECKED BY J.R. DATE 04/03/13	<b>ENGINEER OF RECORD:</b>  07/01/13 DANIELLE MARERO, P.E. P.E. #68450	 <b>REGISTE, SLIGER ENGINEERING, INC.</b> CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 3370 CAPITAL CIRCLE NE, SUITE J TALLAHASSEE, FL 32308 PHONE: (850) 894-4321 - FAX: (850) 224-1505 PROJECT NUMBER: 90158	 <b>LEON COUNTY DEPARTMENT OF PUBLIC WORKS</b> 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 606-1500 * FAX (850) 606-1501	<b>SUMMARY OF PAY ITEMS</b> PROJECT NAME: <b>LOUVINIA DRIVE/          PORTSMOUTH CIRCLE          DRAINAGE IMPROVEMENTS</b>	SHEET NO. <b>1</b>
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PAY ITEM FOOTNOTES  
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- 104-10-3 INCLUDES APPROXIMATELY 166 LF OF TREE PROTECTION BARRICADE AND ADDITIONAL EROSION CONTROL DEVICES, AS REQUIRED BY THE LEON COUNTY ENVIRONMENTAL INSPECTOR.
- 110-1-1 INCLUDES COST OF MAILBOX RELOCATION, IF NECESSARY. ALSO INCLUDES REMOVAL OF 5 SY OF CONCRETE DITCH PAVEMENT AROUND PROPOSED S-100.
- 110-15-2 THE SERVICES OF A CERTIFIED ARBORIST ARE REQUIRED FOR THE TREE PROTECTION WORK. THE CONTRACTOR IS RESPONSIBLE FOR HIRING THE CERTIFIED ARBORIST AND COORDINATION OF ALL TREE PROTECTION EFFORTS.
- 430-174-224 INCLUDES COST OF ALL ASPHALT REMOVAL, EXCAVATION, TRENCHING, SUITABLE FILL, EXISTING PIPE/STRUCTURE REMOVAL, AND PAVEMENT RESTORATION FOR TRENCHES.
- 430-175-124 INCLUDES COST OF ALL ASPHALT REMOVAL, EXCAVATION, TRENCHING, SUITABLE FILL, EXISTING PIPE/STRUCTURE REMOVAL, AND PAVEMENT RESTORATION FOR TRENCHES.
- 0524-1-1 INCLUDES COST OF REMOVAL OF EXISTING CONCRETE DITCH LINING.
- 570-1-2 INCLUDES COST OF LAPPING AND PINNING SOD. ANY SOD DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY EQUAL OR BETTER BY THE CONTRACTOR AT HIS EXPENSE.

SUMMARY OF EARTHWORK

DESCRIPTION	CY	
	P	F
EMBANKMENT		
LOUVINIA DRIVE	35	
TOTAL EMBANKMENT	35	
EXCAVATION		
LOUVINIA DRIVE	94	
TOTAL EXCAVATION	94	

NOTE:  
1. EARTHWORK SHOWN ARE IN-PLACE VOLUMES. NO INCREASE OF DECREASE FOR CLEARING AND GRUBBING. NO SHRINKAGE OR SWELLING ADJUSTMENTS HAVE BEEN MADE.

TECHNICAL REMOVAL OF TREES

STATION	OFFSET	DIA.	NUMBER OF TREE DEBITS	SPECIES
12+77.24	104.29 LT	47"	24	LIVE OAK
10+90.12	39.60 LT	18"	6	OAK
TOTAL			30	

LT - INDICATES LEFT OF C CONSTRUCTION  
RT - INDICATES RIGHT OF C CONSTRUCTION

NOTE:  
1. TREE CREDIT/DEBIT REQUIREMENTS ARE FOUND IN LDR SECTION 10-4.362

TREE CREDITS

STATION	OFFSET	DIA.	NUMBER OF TREE CREDITS	SPECIES
11+76.20	44.60 LT	19"	8	OAK
14+15.29	28.78 RT	23"	8	PINE
17+20.00	34.39 RT	20"	8	WILD CHERRY
17+48.18	56.11 LT	28"	10	LIVE OAK
17+58.79	28.22 RT	18"	6	PINE
18+30.57	57.90 RT	80"	40	LIVE OAK
TOTAL			80	

LT - INDICATES LEFT OF C CONSTRUCTION  
RT - INDICATES RIGHT OF C CONSTRUCTION

TREE PROTECTION BARRICADE

STATION	OFFSET	LENGTH (FT)	REMARKS
10+89.88	29.42 LT	20	
11+76.20	44.60 LT	30	
12+77.24	53.37 LT	64	
17+48.18	56.11 LT	52	
TOTAL		166	

LT - INDICATES LEFT OF C CONSTRUCTION  
RT - INDICATES RIGHT OF C CONSTRUCTION

SUMMARY OF SODDING

LOCATION STA. TO STA.	SIDE	P			F			FIELD BOOK REFERENCE
		L	W	SY	L	W	SY	
10+30.00 TO 12+10.0	LT	180	19	380				
12+40.00 TO 17+70.00	LT	530	18	1060				
17+90.00 TO 18+40.00	LT	50	18	100				
18+80.00 TO 19+00.00	LT	20	20	45				
TOTAL				1585				

CONCRETE DITCH PAVEMENT

LOCATION STA. TO STA.	SIDE	DITCH PAVEMENT			REMARKS
		THICK (IN)	SY		
			P	F	
17+23.19 TO 17+45.17	LT	3	12		
18+10.59 TO 18+32.69	LT	3	14		
18+80.00 TO 18+93.00	LT	3	6		
TOTAL			32		

PLACEMENT OF SILT FENCE

STATION	OFFSET	LENGTH (FT)	REMARKS
10+20.00 TO 10+85	34.39 LT TO 30.33 LT	81	
10+94.82 TO 11+66.79	30.46 LT TO 31.42 LT	72	
11+86.94 TO 12+06.09	31.38 LT TO 30.95 LT	19	
13+83.23	17.39 LT	18	
14+89.95	15.12 LT	20	
14+89.95 TO 15+69.96	30.61 LT TO 30.33 LT	73	
15+69.96	16.07 LT	18	
16+25.01	16.30 LT	18	
17+19.09	16.13 LT	18	
18+37.35	15.59 LT	18	
19+00.00	15.55 LT	18	
TOTAL		373	

LT - INDICATES LEFT OF C CONSTRUCTION  
RT - INDICATES RIGHT OF C CONSTRUCTION

SUMMARY OF PIPES, MITERED END SECTIONS AND ENDWALLS

LOCATION - LOUVINIA DRIVE STA. TO STA.	SIDE	PIPE LENGTH (LF)		MES (EA)	
		24" RCP	19" X 30" ERCP	24" RCP	19" X 30" ERCP
10+39.23 TO 11+80.00	LT	139			
11+80.00 TO 12+70.00	LT	88			
12+70.00 TO 13+52.80	LT	79			
13+52.80 TO 14+16.00	LT	59			
14+16.00 TO 14+60.00	LT	40			
14+60.00 TO 14+85.00	LT	11		1	
15+80.00 TO 16+20.00	LT		22		2
17+45.20 TO 18+10.68	LT		50		2
TOTAL		416	72	1	4

\*NOTE: PER FDOT STANDARD INDEX 273, 8 LF OF 19"x30" ERCP IS PAID FOR WITH EACH 19"x30" MES

REVISIONS		DATE	BY	DESCRIPTION

INITIAL	ENGINEER OF RECORD:
B.A.W.	<i>Komidman</i>
C.M.C.	07/01/13
D.E.W.	DANIELLE NARRERO, P.E.
J.R.	P.E. #68450
DATE	04/03/13



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CERT. OF AUTHORIZATION # 9292  
3370 CAPITAL CIRCLE NE, SUITE J  
TALLAHASSEE, FL 32308  
PHONE: (850) 894-4521 - FAX: (850) 224-0505  
PROJECT NUMBER: 9015B



LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
PHONE (850) 606-1500 \* FAX (850) 606-1501

SUMMARY OF QUANTITIES

PROJECT NAME: LOUVINIA DRIVE/  
PORTSMOUTH CIRCLE  
DRAINAGE IMPROVEMENTS

SHEET NO.

2

GENERAL NOTES

1. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770) AND UTILITY OWNERS LISTED BELOW IN TWO BUSINESS DAYS (OR 10 DAYS IF DIGGING UNDER WATER) IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

UTILITY OWNERS:

COMPANY	CONTACT	TELEPHONE NUMBERS
TALQUIN WATER	MR. KEVIN GOFF	(850) 627-7651
OUTSOURCE	MR. MARK WILLIAMS	(850) 878-8595
MCI COMMUNICATION SERVICES	MR. CHARLES BRUNICK	(850) 265-3652
COMCAST CABLE	MR. PHIL CARTER	(850) 574-4028
TALQUIN POWER	MR. KEVIN WHYTE	(850) 875-5675

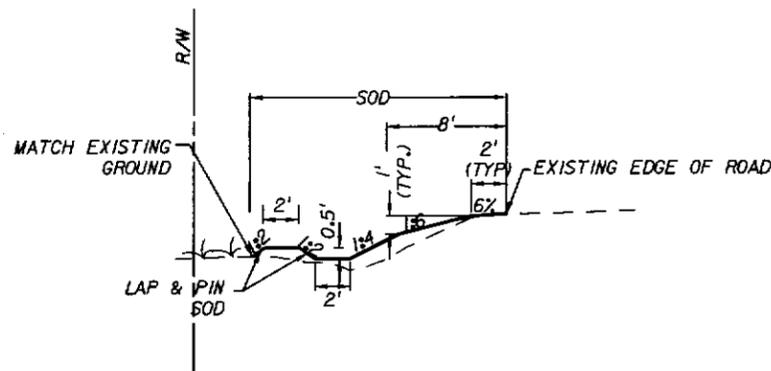
3. ANY PUBLIC LAND CORNER OR BENCHMARK WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
4. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE COUNTY. THE CONTRACTOR SHALL PROVIDE THE COUNTY WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED A MSDS SUBMITTAL.  
  
ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE COUNTY, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE COUNTY WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE COUNTY.
5. ALL STAGING AREAS NOT SHOWN IN THE PLANS SHALL BE APPROVED BY LEON COUNTY PUBLIC WORKS & DEVELOPMENTAL SUPPORT AND ENVIRONMENTAL MANAGEMENT (DSEM). A DSEM PERMIT MAY BE REQUIRED PRIOR TO CONSTRUCTION.
6. ALL SOD SHALL BE OVER SEEDDED AT THE DIRECTION OF THE COUNTY. THE COST OF OVER SEEDING SHALL BE INCLUDED IN THE COST OF THE SOD.
7. THE CONTRACTOR SHALL FURNISH THE COUNTY, PRIOR TO INCORPORATION INTO THE PROJECT, A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, HAY, STRAW AND MULCH MATERIALS ARE FREE OF NOXIOUS WEEDS, INCLUDING TROPICAL SODA APPLE.
8. DURING ALL NON-WORK HOURS, NO EQUIPMENT, VEHICLES OR MATERIALS SHALL BE STORED WITHIN THE ROADWAY. ALL STORAGE AND/OR STAGING AREAS USED SHALL BE APPROVED BY LEON COUNTY.
9. ANY EXISTING ROAD OR STREET NAME SIGN WHICH CONFLICTS WITH CONSTRUCTION SHALL BE TEMPORARILY RELOCATED AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES.
10. ALL EROSION CONTROL ITEMS SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT, OR AT THE DIRECTION OF THE COUNTY ENVIRONMENTAL INSPECTOR.
11. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION, AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN OR AS DIRECTED BY THE COUNTY TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
12. ALL MANHOLES SHALL HAVE 36" DIAMETER, 2 PIECE COVERS, PER INDEX NO. 201. ALL INLETS SHALL HAVE STEEL GRATES.
13. CRITICAL TEMPORARY SHEET PILING MAY BE REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SIGNED AND SEALED CRITICAL SHEET PILE DESIGN BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER AND ANY REQUIRED SOIL INVESTIGATION.
14. ANY DISTURBED AREAS SHALL BE RECOMPACTED TO 95% OF MODIFIED PROCTOR AS DIRECTED BY ENGINEER AND COVER BY SOD.

15. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL PROPERTIES.
16. ALL EXISTING FENCING THAT WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REMOVED AND REPLACED IN KIND AT CONTRACTOR'S EXPENSE.
17. ALL STOP BARS AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND.
18. CONTRACTOR SHALL LIMIT CLEARING AND GRUBBING ACTIVITIES TO 300 FOOT SEGMENTS TO PREVENT EROSION.
19. TWO OBJECT MARKERS SHALL BE ADDED TO EACH DRAINAGE STRUCTURE WITHIN THE RIGHT-OF-WAY.
20. THE CONTRACTOR SHALL COORDINATE ALL TEMPORARY CLOSINGS OF DRIVEWAYS WITH THE PROPERTY OWNERS 24 HOURS IN ADVANCE OF CLOSING THE DRIVEWAY.
21. UTILITY AND MAIL SERVICES TO ALL RESIDENCES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
22. ANY PROPOSED CHANGES TO THE CONTRACT DOCUMENTS BY THE CONTRACTOR SHALL BE SUBMITTED TO THE COUNTY PRIOR TO CONSTRUCTION FOR REVIEW AND APPROVAL. PROPOSED CHANGES SHALL BE SIGNED AND SEALED BY A FLORIDA PROFESSIONAL ENGINEER.
23. ALL MANHOLE OFFSETS REFERENCED IN THE PLAN SET ARE TO THE CENTER OF THE STRUCTURE, NOT THE MANHOLE COVER.
24. HORIZONTAL COORDINATES ARE BASED ON A PREVIOUS TOPOGRAPHICAL SURVEY DONE BY CAPITAL ENGINEERING & SURVEYING, INC. JOB NO. 4538 DATED JUNE 10, 2009 AND REVISED JANUARY 4, 2012.
25. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES AFFECTING HIS WORK.
26. THE CONTRACTOR SHALL, BY REPAIR OR REPLACE, RETURN TO EQUAL OR BETTER CONDITION ALL PAVEMENT, SIDEWALK, LAWNS, UTILITIES AND OTHER ITEMS DAMAGED BY THIS CONSTRUCTION ACTIVITY.
27. DURING CONSTRUCTION OF THE IMPROVEMENTS, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL, PROTECTION, AND REPLACEMENT OF ITEMS ON PRIVATE PROPERTY AND PUBLIC RIGHTS OF WAY SUCH AS SPRINKLERS, FENCES, SOD, SHRUBS, TREES, SURVEYING MARKERS, ETC.
28. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL OR BETTER THAN THE CONDITION EXISTING PRIOR TO COMMENCING CONSTRUCTION UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. COSTS TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED.
29. ALL UTILITY RELOCATES SHALL BE COORDINATED DIRECTLY THROUGH LEON COUNTY WITH THE APPROPRIATE UTILITY OWNER.
30. ALL SURFACE WATERS AND WETLAND LINES WERE DELINEATED BY PHOENIX ENVIRONMENTAL AND ACCEPTED BY THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT ON DECEMBER 16, 2011.

PLAN SHEET:

<input type="checkbox"/> FCM	= FOUND CONCRETE MONUMENT	<input checked="" type="checkbox"/> SHP	= SHARED UTILITY POLE
<input checked="" type="checkbox"/> FIRC	= FOUND IRON REBAR AND CAP	- SSS	= SINGLE SUPPORT SIGN
<input checked="" type="checkbox"/> SSMH	= SANITARY SEWER MANHOLE	<input checked="" type="checkbox"/> MBX	= MAILBOX
<input checked="" type="checkbox"/> STMH	= STORM MANHOLE	CMP	= CORRUGATED METAL PIPE
<input checked="" type="checkbox"/> CLNO	= CLEANOUT	GAS	= GAS LINE
<input checked="" type="checkbox"/> MW	= WATER METER	PVC	= POLYVINYL CHORIDE PIPE
<input checked="" type="checkbox"/> TPD	= TELEPHONE RISER	RCP	= REINFORCED CONCRETE PIPE
<input checked="" type="checkbox"/> FH	= FIRE HYDRANT	SRD	= STATE ROAD DEPARTMENT
<input checked="" type="checkbox"/> GYA	= GUY ANCHOR	UGT	= UNDERGROUND TELEPHONE
<input checked="" type="checkbox"/> GYP	= GUY POLE	WM	= WATERLINE
<input checked="" type="checkbox"/> PP	= POWER POLE	-WL-	= WETLANDS/SURFACE WATER DELINEATION
		W-F-3	= WETLAND FLAG
		SW-5	= SURFACE WATER FLAG

<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	BY	DESCRIPTION				<p>INITIAL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DRAWN BY</td> <td>B.A.W.</td> </tr> <tr> <td>CHECKED BY</td> <td>C.M.C.</td> </tr> <tr> <td>DESIGN BY</td> <td>J.E.W.</td> </tr> <tr> <td>CHECKED BY</td> <td>J.R.</td> </tr> <tr> <td>DATE</td> <td>04/03/13</td> </tr> </table>	DRAWN BY	B.A.W.	CHECKED BY	C.M.C.	DESIGN BY	J.E.W.	CHECKED BY	J.R.	DATE	04/03/13	<p>ENGINEER OF RECORD:</p> <p><i>Danielle Marrero</i></p> <p>07/01/13</p> <p>DANIELLE MARRERO, P.E.</p> <p>P.E. #63450</p>	<p>REGISTE, SLIGER ENGINEERING, INC.</p> <p>CIVIL AND STRUCTURAL ENGINEERING CONSULTANT</p> <p>CERT. OF AUTHORIZATION # 9292</p> <p>3370 CAPITAL CIRCLE NE, SUITE J</p> <p>TALLAHASSEE, FL 32308</p> <p>PHONE: (850) 894-4521 - FAX: (850) 224-0505</p> <p>PROJECT NUMBER: 9015B</p>	 <p>LEON COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308</p> <p>PHONE (850) 606-1500 * FAX (850) 606-1501</p>	<p><b>GENERAL NOTES</b></p> <p>PROJECT NAME: <b>LOUVINIA DRIVE/ PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS</b></p>	<p>SHEET NO.</p> <p><b>3</b></p>
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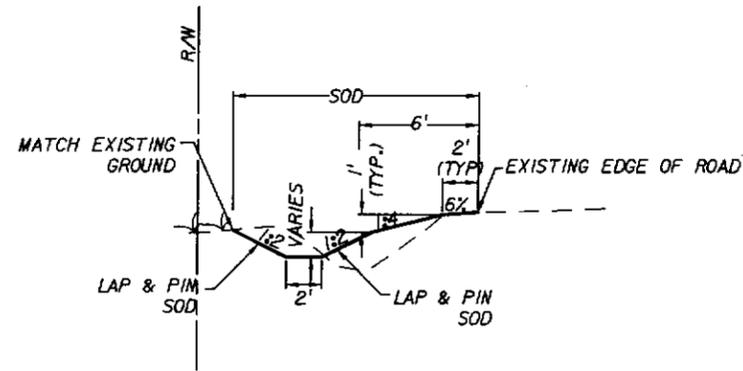
TYPICAL SECTION  
LOUVINIA ROAD (LT)  
STA 10+50 TO STA 11+80

NOTE: SEE CROSS-SECTIONS FOR ELEVATIONS.

BERM NOTES:

- BERM SHALL BE FILLED AND COMPACTED IN 6" INTERVALS. FILL MATERIAL SHALL BE PLASTIC SOIL - AASHTO A-2-5, A-2-6, A-4, A-5, A-6, A-7 (ALL WITH LL>50).
- EACH LIFT SHALL BE COMPACTED TO 95% MODIFIED PROCTOR.
- ONE TEST PER LIFT PER 200 LF OF BERM WILL BE REQUIRED.
- SCARIFY AND COMPACT BASE OF BERM.
- ALL SLOPES STEEPER THAN 1:3 SHALL HAVE SOD THAT IS LAPPED & PINNED.

TOP OF BERM TABLE		
STATION	OFFSET TO CENTER	ELEVATION
11+80	28.97' L	103.4'
11+60	29.63' L	103.4'
11+40	28.92' L	103.5'
11+20	28.54' L	103.6'
11+10	28.06' L	103.7'
11+00	29.26' L	103.4'
10+60	30.18' L	102.6'
10+50	30.53' L	102.4'

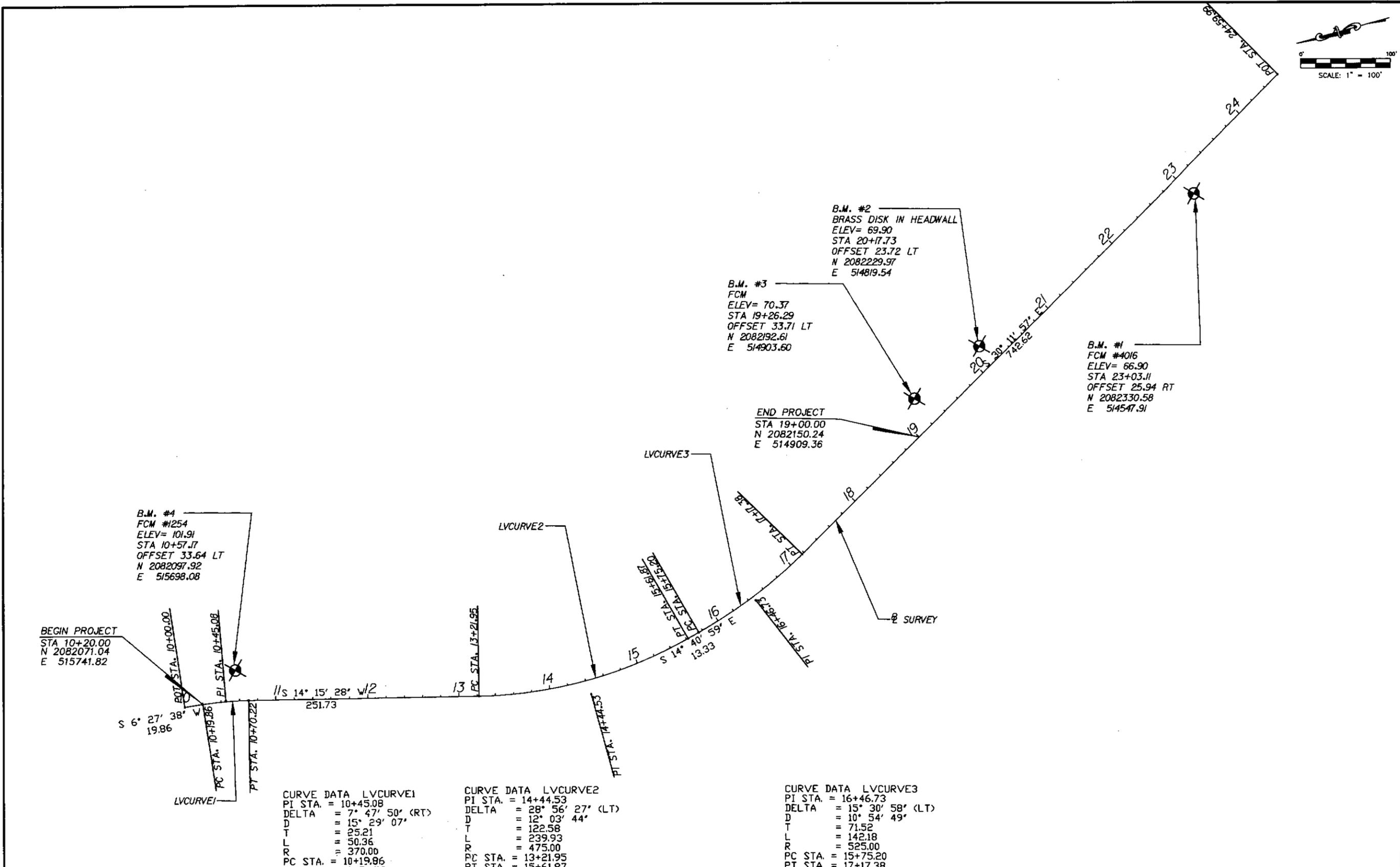
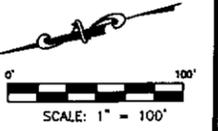


TYPICAL SECTION  
LOUVINIA ROAD (LT)  
STA 13+00 TO STA 14+60  
STA 14+85 TO STA 15+80

NOTES:

- SEE CROSS SECTIONS FOR ELEVATIONS.
- ALL SLOPES STEEPER THAN 1:3 SHALL HAVE SOD THAT IS LAPPED & PINNED.

REVISIONS		INITIAL	ENGINEER OF RECORD:	REGISTERED ENGINEERING CONSULTANT	LEON COUNTY DEPARTMENT OF PUBLIC WORKS	TYPICAL SECTIONS	SHEET NO.
DATE	BY	DESCRIPTION	DRAWN BY	CIVIL AND STRUCTURAL ENGINEERING CONSULTANT	2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308	PROJECT NAME:	
			DANIELLE MARRERO, P.E.	CERT. OF AUTHORIZATION # 9292	PHONE (850) 606-1500 * FAX (850) 606-1501	LOUVINIA DRIVE/ PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS	4
			07/01/13	3370 CAPITAL CIRCLE NE, SUITE J			
			04/03/13	TALLAHASSEE, FL 32308			
				PHONE: (850) 694-4321 - FAX: (850) 224-8505			
				PROJECT NUMBER: 9015B			



REVISIONS	
DATE	DESCRIPTION

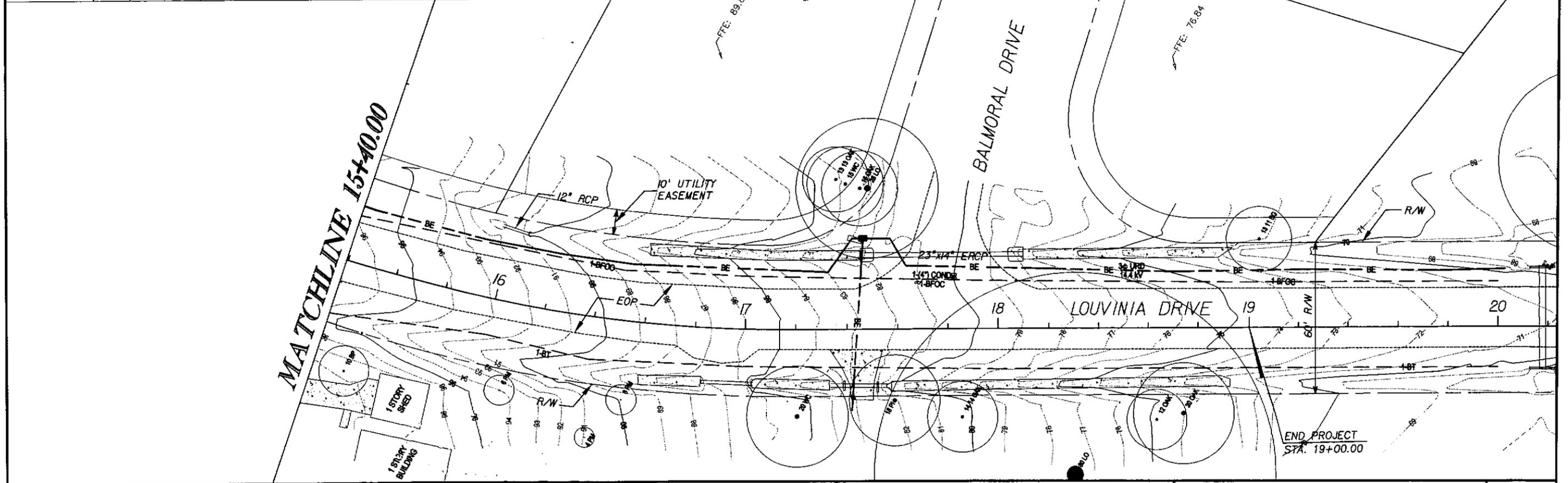
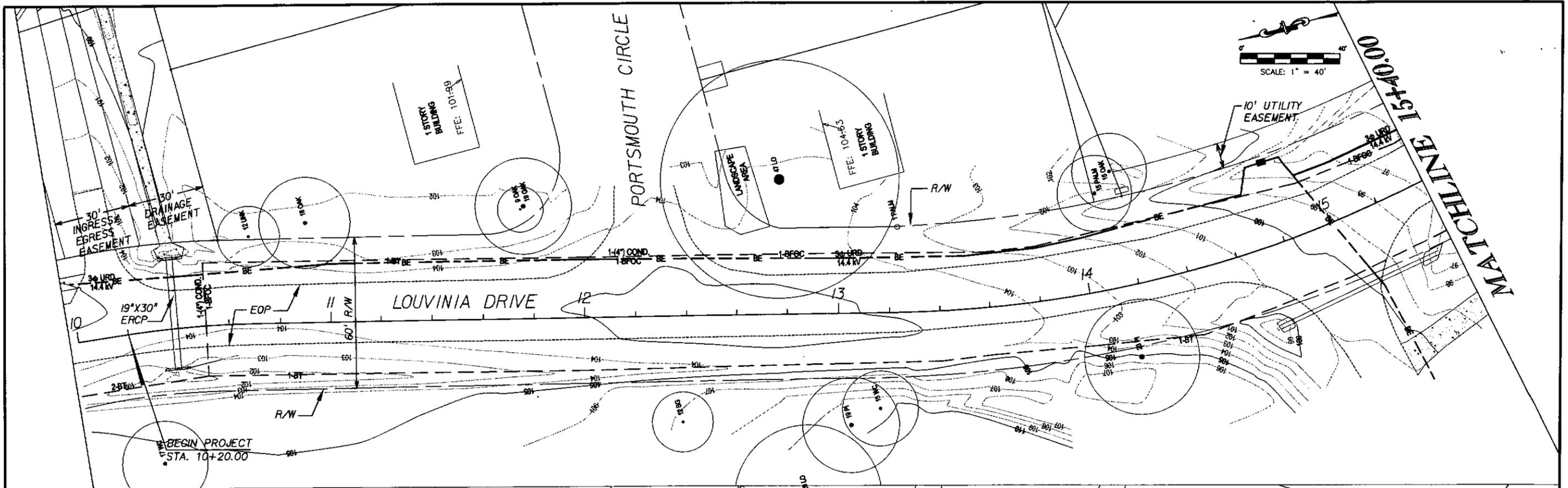
INITIAL	ENGINEER OF RECORD:
B.A.W.	<i>Danielle Marrero</i>
C.M.C.	07/01/13
D.E.W.	DANIELLE MARRERO, P.E.
J.J.R.	P.E. #6450
DATE	04/03/13

**REGISTE, SLIGER ENGINEERING, INC.**  
CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
CERT. OF AUTHORIZATION # 9292  
3370 CAPITAL CIRCLE NE, SUITE J  
TALLAHASSEE, FL 32308  
PHONE: (850) 894-4521 - FAX: (850) 824-0505  
PROJECT NUMBER: 90158

**LEON COUNTY DEPARTMENT OF PUBLIC WORKS**  
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
PHONE (850) 606-1500 \* FAX (850) 606-1501

**PROJECT LAYOUT**  
PROJECT NAME: **LOUVINIA DRIVE/  
PORTSMOUTH CIRCLE  
DRAINAGE IMPROVEMENTS**

SHEET NO. **5**



REVISIONS	
DATE	DESCRIPTION

INITIAL	ENGINEER OF RECORD:
DRAWN BY: B.A.W.	<i>Danielle</i>
CHECKED BY: C.M.C.	07/01/13
DESIGN BY: D.F.M.	DANIELLE MARRERO, P.E.
CHECKED BY: J.R.	P.E. #93450
DATE: 04/03/13	

REGISTE, SLIGER ENGINEERING, INC.  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9292  
 3370 CAPITAL CIRCLE NE, SUITE J  
 TALLAHASSEE, FL 32308  
 PHONE: (850) 894-4321 - FAX: (850) 224-0505  
 PROJECT NUMBER: 9015B

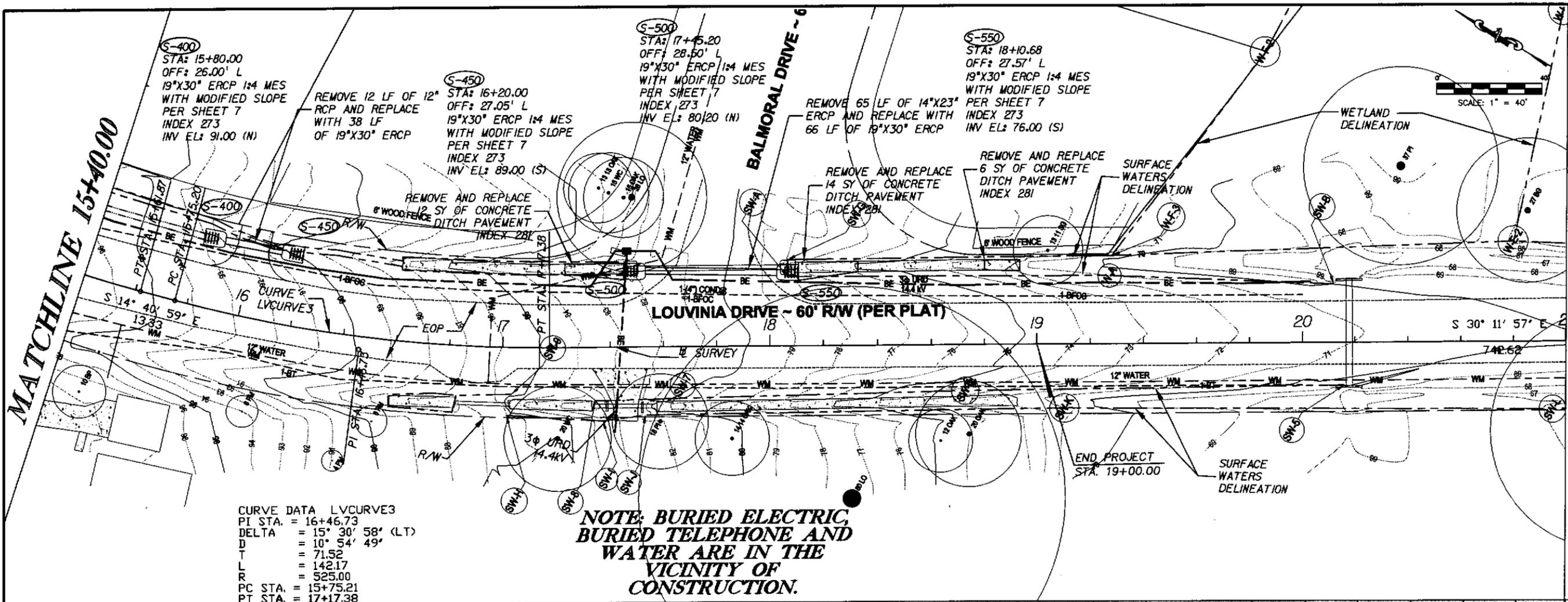


LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 606-1500 \* FAX (850) 606-1501

**EXISTING CONDITIONS**  
 PROJECT NAME: LOUVINIA DRIVE/  
 PORTSMOUTH CIRCLE  
 DRAINAGE IMPROVEMENTS

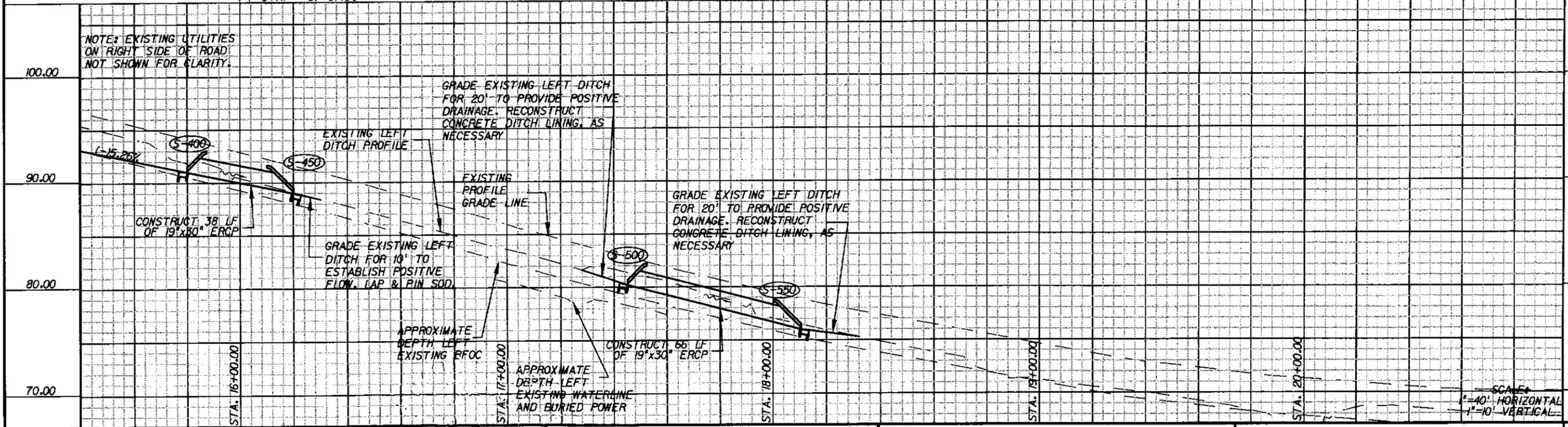
SHEET NO. 6





**CURVE DATA LV CURVE 3**  
 PI STA. = 16+46.73  
 DELTA = 15° 30' 58" (LT)  
 D = 10° 54' 49"  
 T = 71.52  
 L = 142.17  
 R = 525.00  
 PC STA. = 15+75.21  
 PT STA. = 17+17.38

**NOTE: BURIED ELECTRIC,  
 BURIED TELEPHONE AND  
 WATER ARE IN THE  
 VICINITY OF  
 CONSTRUCTION.**



REVISIONS		DATE	BY	DESCRIPTION

INITIAL  
 DRAWN BY: B.A.W.  
 CHECKED BY: C.M.C.  
 DESIGN BY: D.E.W.  
 CHECKED BY: J.R.  
 DATE: 04/03/13

ENGINEER OF RECORD:  
*Daniel Sliger*  
 07/01/13  
 DANIELLE MARRERO, P.E.  
 P.E. #6450

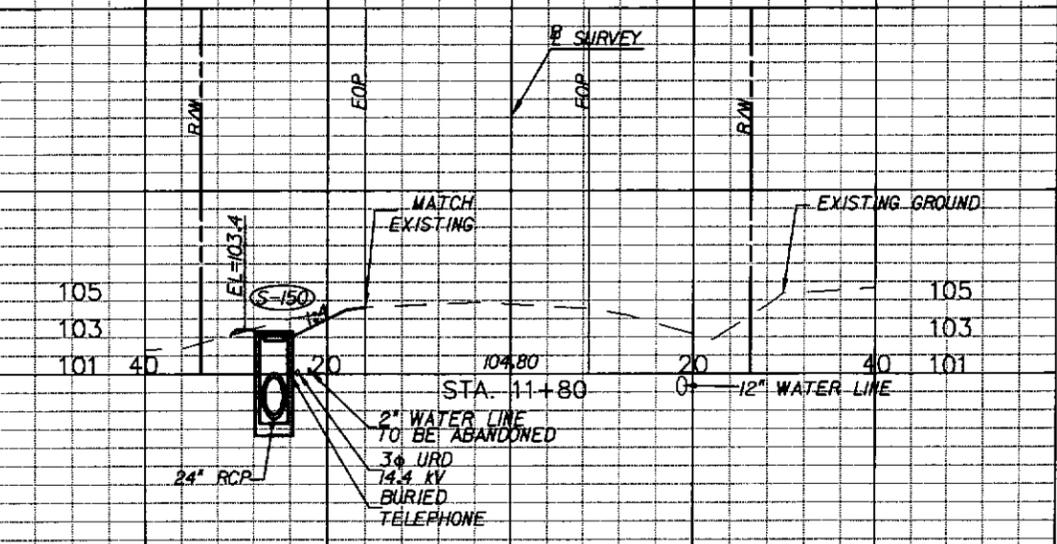
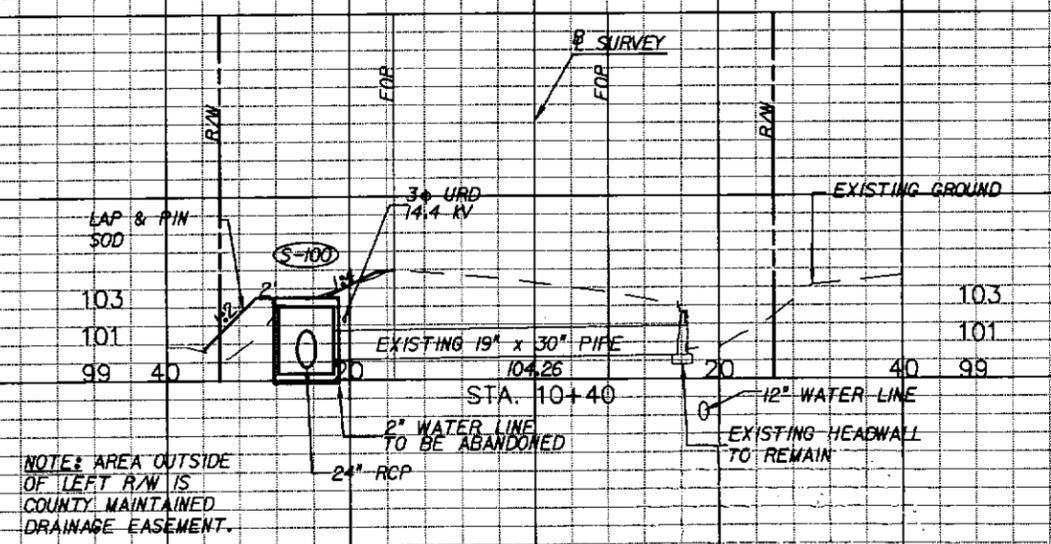
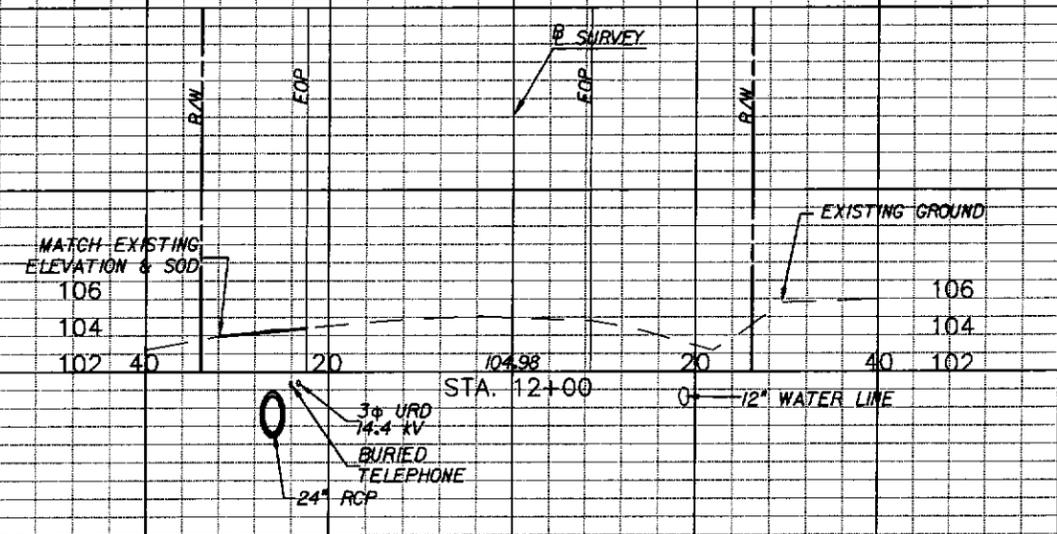
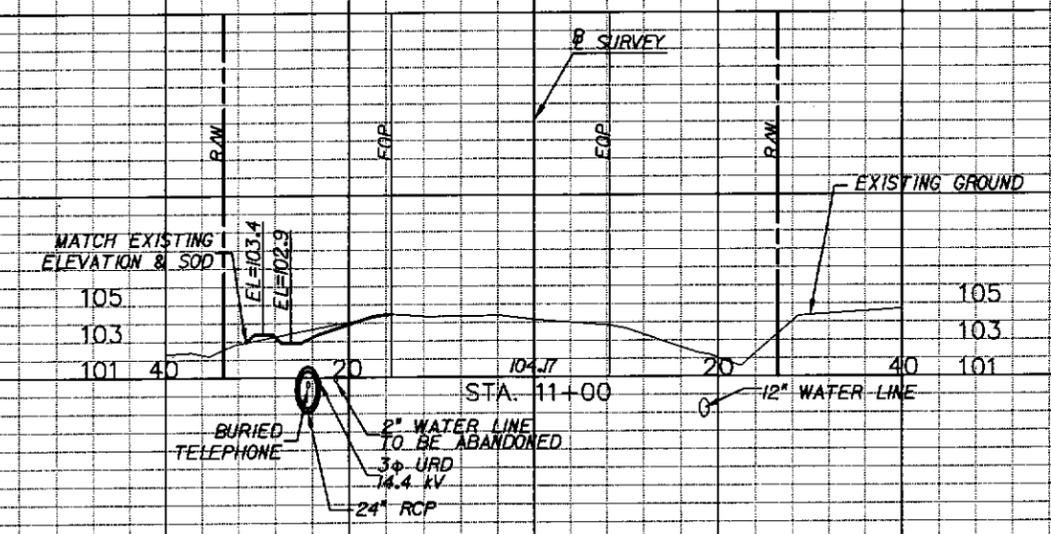
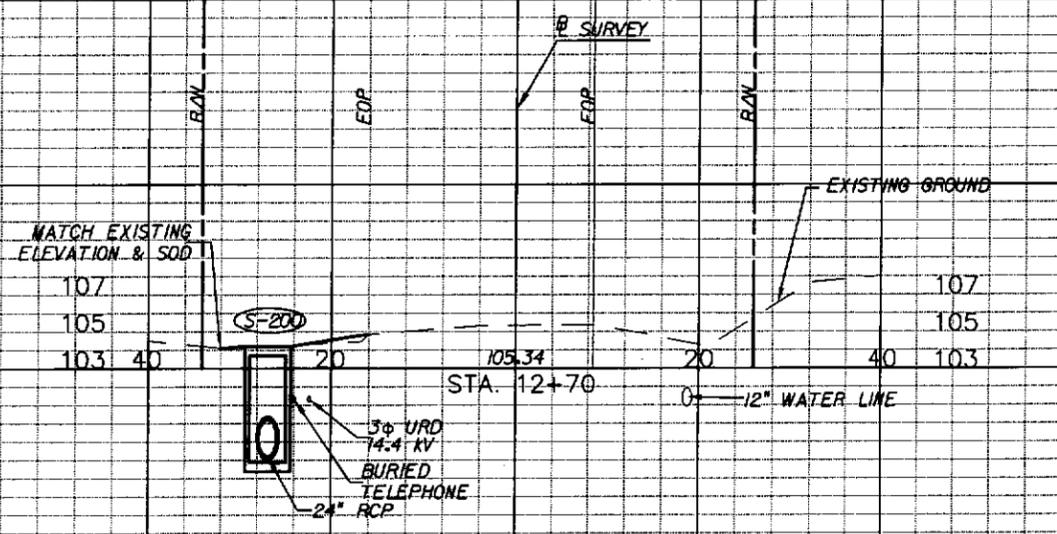
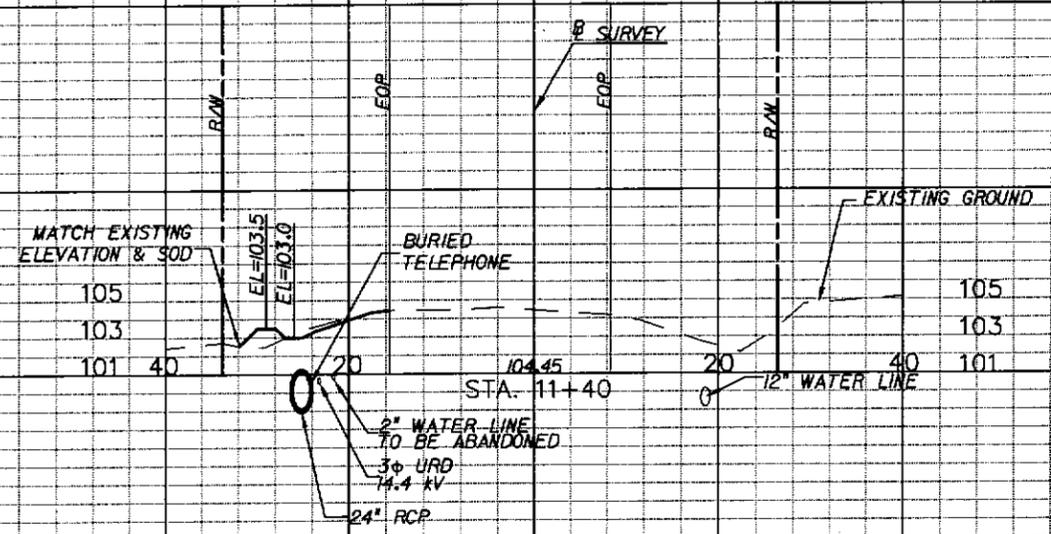
**REGISTE, SLIGER ENGINEERING, INC.**  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9892  
 3370 CAPITAL CIRCLE NE, SUITE J  
 TALLAHASSEE, FL 32308  
 PHONE: (850) 994-4521 - FAX: (850) 224-0505  
 PROJECT NUMBER: 9015B

**LEON COUNTY DEPARTMENT OF PUBLIC WORKS**  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 606-1500 \* FAX (850) 606-1501

**PLAN & PROFILE**  
 PROJECT NAME: **LOUVINIA DRIVE/  
 PORTSMOUTH CIRCLE  
 DRAINAGE IMPROVEMENTS**

SHEET NO.  
**8**

NOTE: ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.



NOTE: AREA OUTSIDE OF LEFT R/W IS COUNTY MAINTAINED DRAINAGE EASEMENT.

REVISIONS	
DATE	DESCRIPTION

DRAWN BY	SSP
CHECKED BY	JFS
DESIGN BY	DEM
CHECKED BY	JFS
DATE	9/11/12

ENGINEER OF RECORD:  
*Danielle Marrero*  
 07/01/13  
 DANIELLE MARRERO, P.E.  
 P.E. #66450



REGISTE, SLIGER ENGINEERING, INC.  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9292  
 3370 CAPITAL CIRCLE NE, SUITE J  
 TALLAHASSEE, FL 32308  
 PHONE: (850) 894-4521 - FAX: (850) 224-0505  
 PROJECT NUMBER: 90158

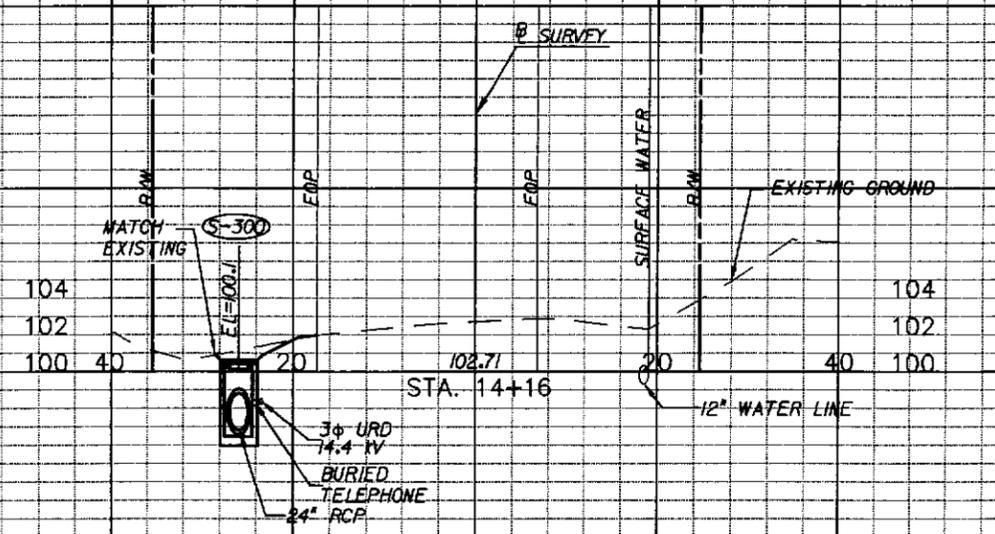
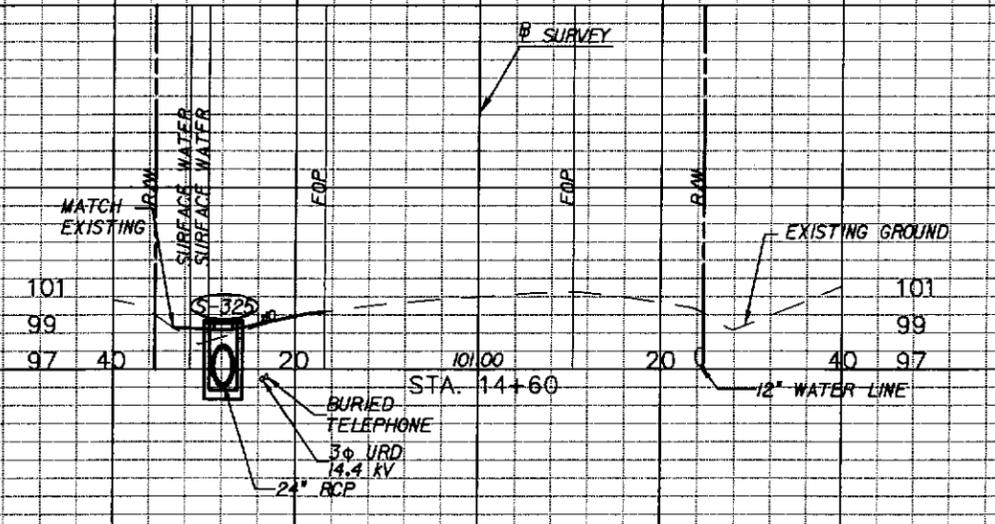
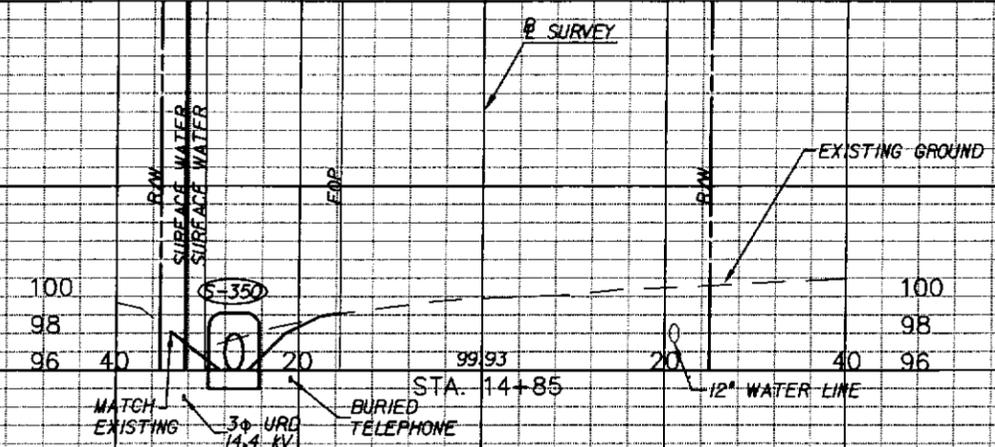
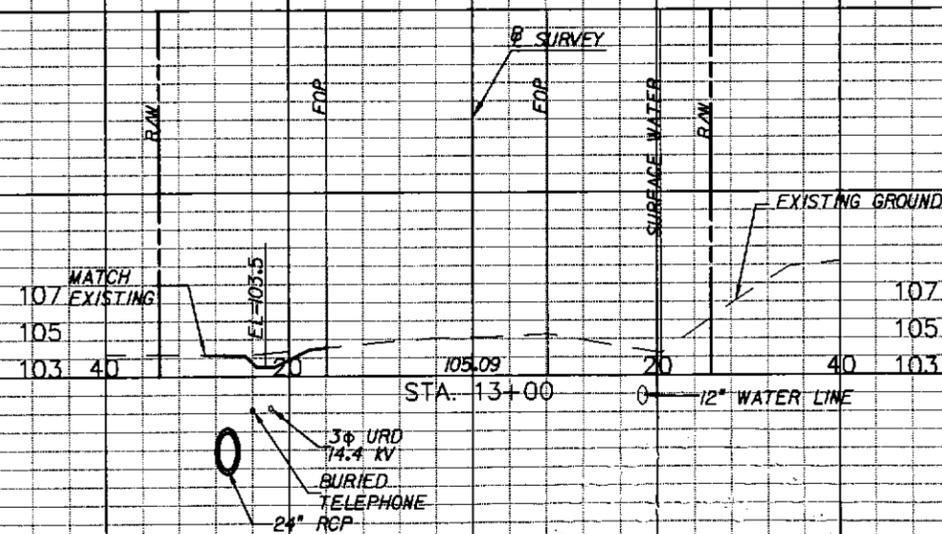
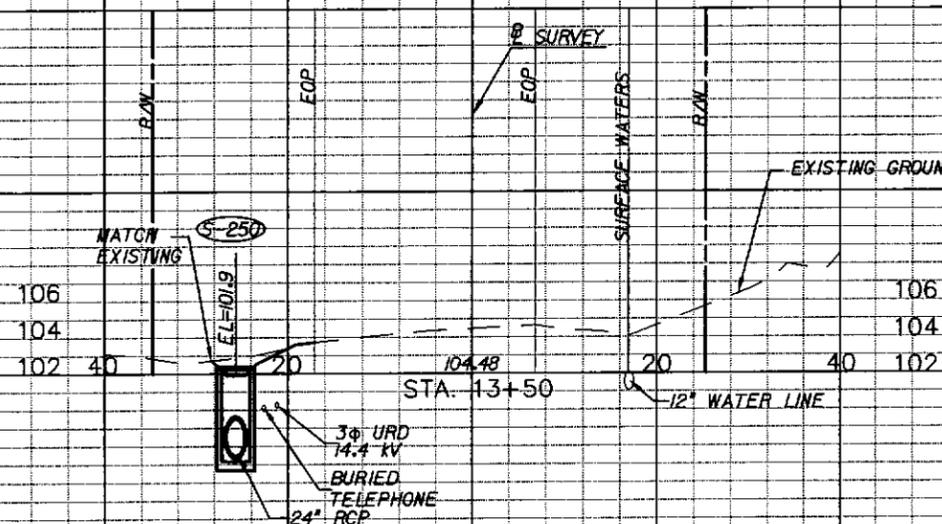
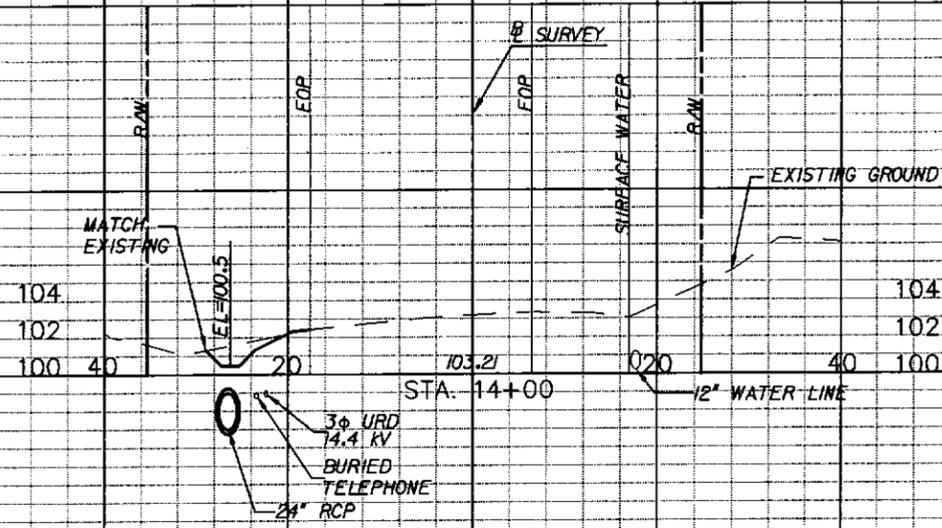


LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 606-1500 \* FAX (850) 606-1501

CROSS SECTIONS  
 PROJECT NAME: LOUVINIA DRIVE/  
 PORTSMOUTH CIRCLE  
 DRAINAGE IMPROVEMENTS

SHEET NO.  
 9

NOTE: ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.



REVISIONS		
DATE	BY	DESCRIPTION

DRAWN BY	SSP
CHECKED BY	JFS
DESIGN BY	DEM
CHECKED BY	JFS
DATE	9/11/12

ENGINEER OF RECORD:  
*Danielle Marrero*  
 07/01/13  
 DANIELLE MARRERO, P.E.  
 P.E. #66450



REGISTE, SLIGER ENGINEERING, INC.  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9292  
 3370 CAPITAL CIRCLE NE, SUITE J  
 TALLAHASSEE, FL 32308  
 PHONE: (850) 894-4321 - FAX: (850) 224-0505  
 PROJECT NUMBER: 9015B

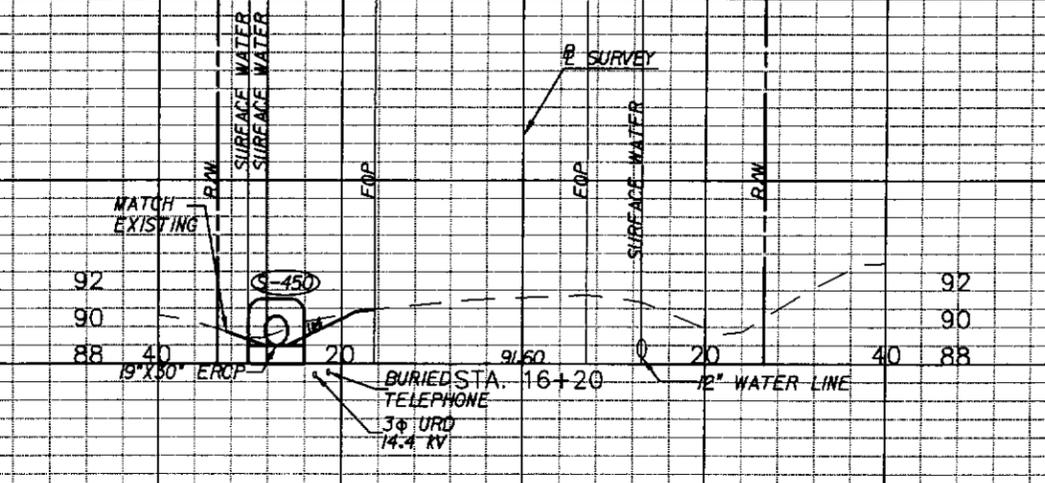
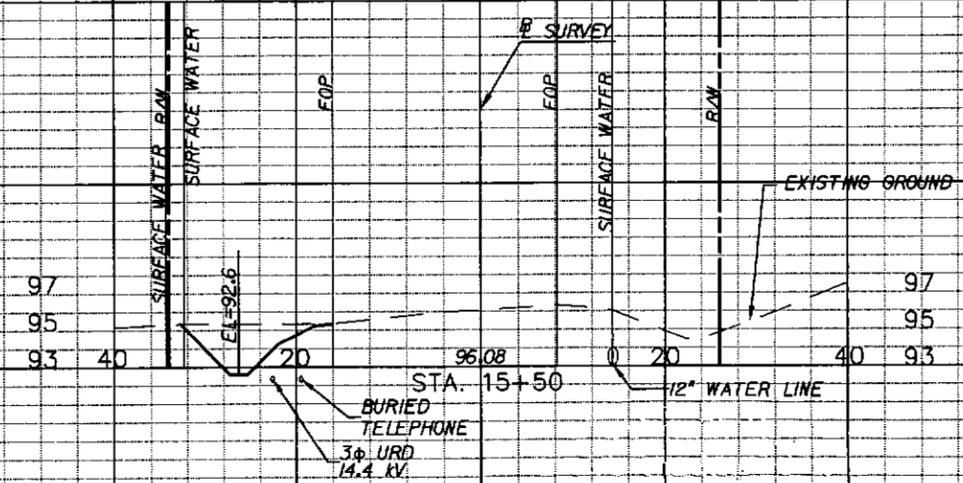
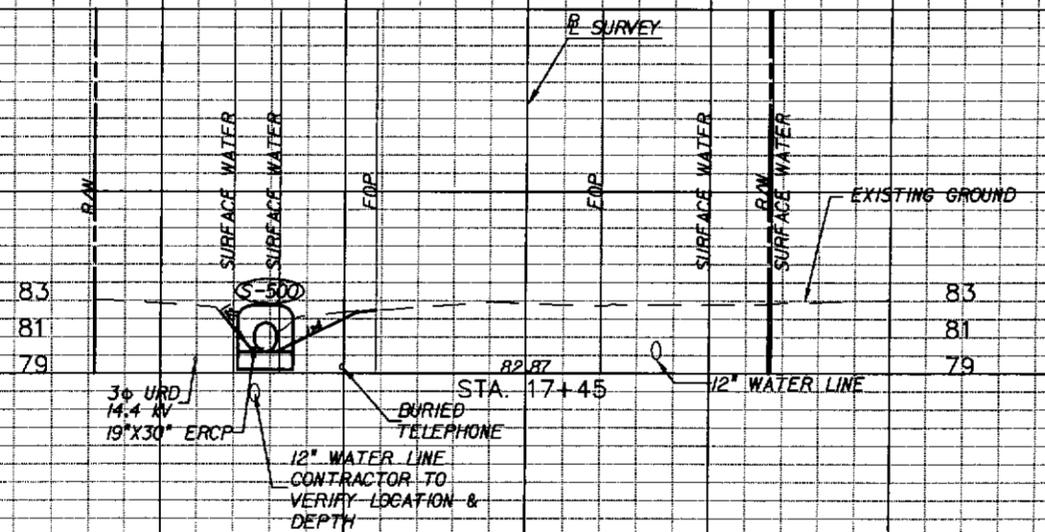
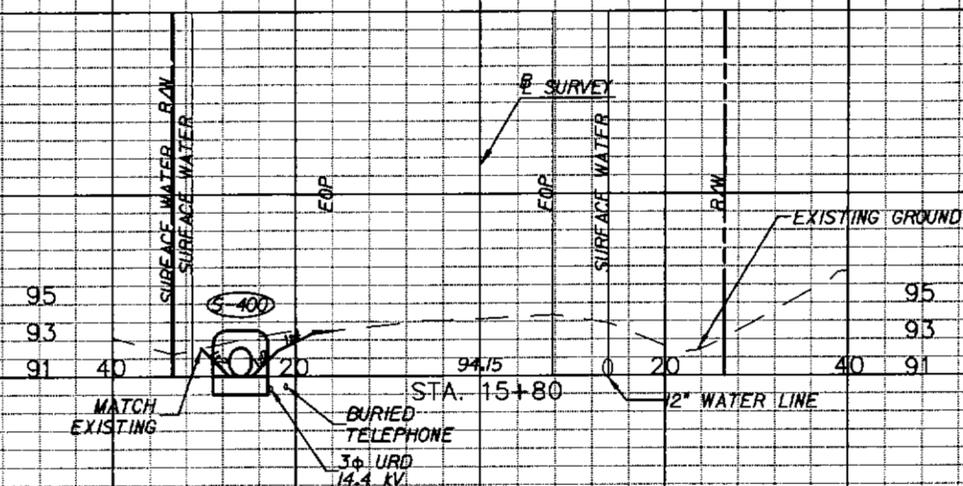
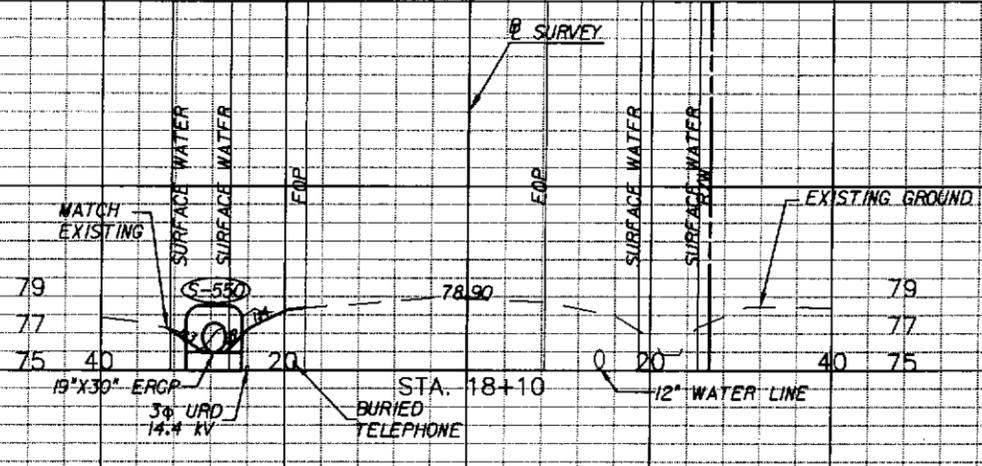
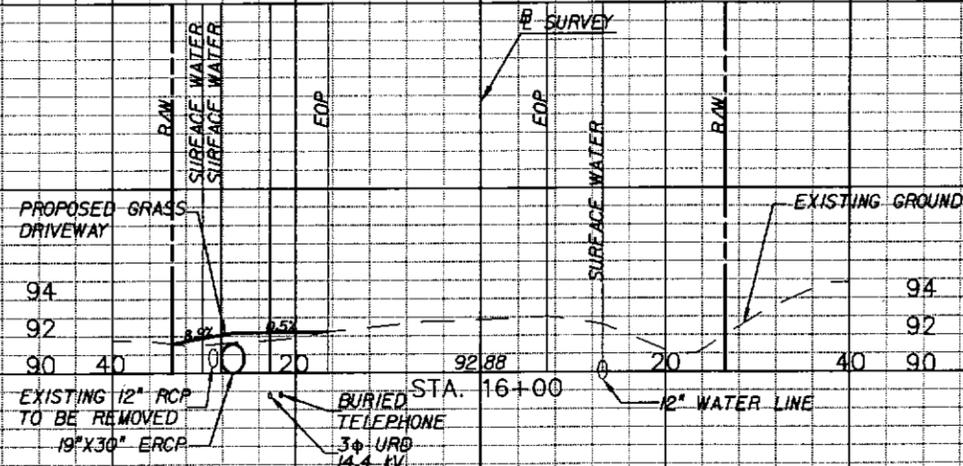


LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 606-1500 \* FAX (850) 606-1501

CROSS SECTIONS  
 PROJECT NAME: LOUVINIA DRIVE/  
 PORTSMOUTH CIRCLE  
 DRAINAGE IMPROVEMENTS

SHEET NO.  
 10

NOTE: ALL UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.



REVISIONS	
DATE	DESCRIPTION

DRAWN BY	SSP
CHECKED BY	JFS
DESIGN BY	DEM
CHECKED BY	JFS
DATE	3/17/22

ENGINEER OF RECORD:  
*Danielle Marrero*  
 07/01/13  
 DANIELLE MARRERO, P.E.  
 P.E. #68130

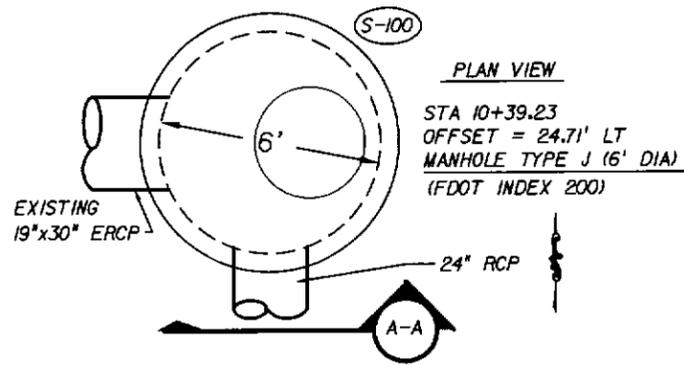


REGISTE, SLIGER ENGINEERING, INC.  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9292  
 3370 CAPITAL CIRCLE NE, SUITE J  
 TALLAHASSEE, FL 32308  
 PHONE: (850) 894-4521 - FAX: (850) 224-0505  
 PROJECT NUMBER: 9015B

LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 606-1500 \* FAX (850) 606-1501

CROSS SECTIONS  
 PROJECT NAME: LOUVINIA DRIVE/  
 PORTSMOUTH CIRCLE  
 DRAINAGE IMPROVEMENTS

SHEET NO.  
**11**



PLAN VIEW

STA 10+39.23  
 OFFSET = 24.71' LT  
 MANHOLE TYPE J (6' DIA.)  
 (FDOT INDEX 200)

EXISTING  
 19"x30" ERCP

24" RCP

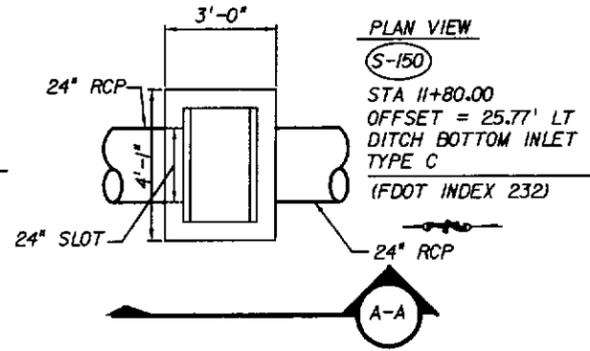


TOP EL= 103.50

SECTION A-A VIEW

EXISTING  
 INV EL (W)= 100.13  
 INV EL (S)= 99.71  
 STRUCTURAL  
 BOTTOM EL= 99.21

S-100 C-I-P TYPE J MANHOLE DETAIL  
 SCALE: N.T.S.



PLAN VIEW

STA 11+80.00  
 OFFSET = 25.77' LT  
 DITCH BOTTOM INLET  
 TYPE C  
 (FDOT INDEX 232)

24" RCP

24" SLOT

24" RCP

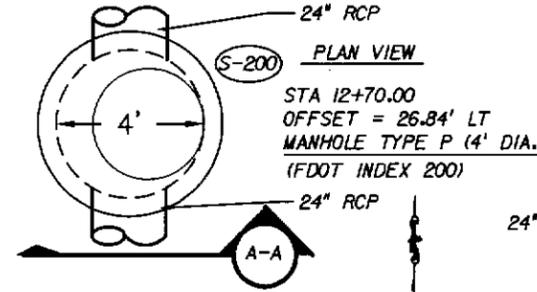


TOP OF GRATE EL= 103.30  
 6" SLOT EL (N)= 102.80  
 (SLOT WIDTH 2'-0")

SECTION A-A VIEW

INV EL (N&S)= 98.80  
 STRUCTURAL  
 BOTTOM EL= 98.30

S-150 TYPE C INLET DETAIL  
 SCALE: N.T.S.



PLAN VIEW

STA 12+70.00  
 OFFSET = 26.84' LT  
 MANHOLE TYPE P (4' DIA.)  
 (FDOT INDEX 200)

24" RCP

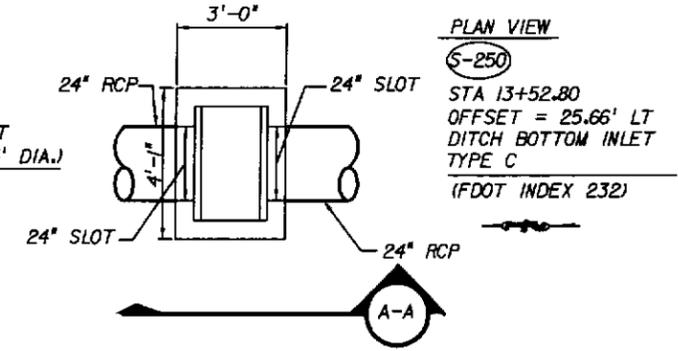


TOP EL= 104.20

SECTION A-A VIEW

INV EL (N&S)= 98.20  
 STRUCTURAL  
 BOTTOM EL= 97.70

S-200 TYPE P MANHOLE DETAIL  
 SCALE: N.T.S.



PLAN VIEW

STA 13+52.80  
 OFFSET = 25.66' LT  
 DITCH BOTTOM INLET  
 TYPE C  
 (FDOT INDEX 232)

24" RCP

24" SLOT

24" RCP

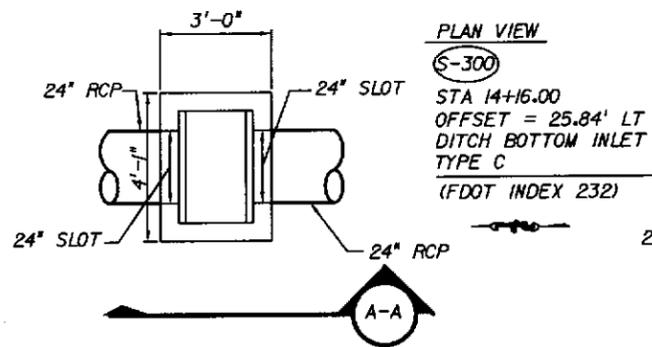


TOP OF GRATE EL= 102.40  
 6" SLOT EL (N&S)= 101.90  
 (SLOT WIDTH 2'-0")

SECTION A-A VIEW

INV EL (N&S)= 97.50  
 STRUCTURAL  
 BOTTOM EL= 97.00

S-250 TYPE C INLET DETAIL  
 SCALE: N.T.S.



PLAN VIEW

STA 14+16.00  
 OFFSET = 25.84' LT  
 DITCH BOTTOM INLET  
 TYPE C  
 (FDOT INDEX 232)

24" RCP

24" SLOT

24" SLOT

24" RCP

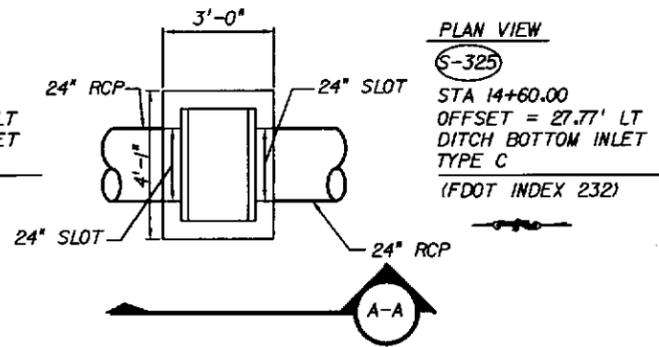


TOP OF GRATE EL= 100.60  
 6" SLOT EL (N&S)= 100.10  
 (SLOT WIDTH 2'-0")

SECTION A-A VIEW

INV EL (N&S)= 96.80  
 STRUCTURAL  
 BOTTOM EL= 96.30

S-300 TYPE C INLET DETAIL  
 SCALE: N.T.S.



PLAN VIEW

STA 14+60.00  
 OFFSET = 27.77' LT  
 DITCH BOTTOM INLET  
 TYPE C  
 (FDOT INDEX 232)

24" RCP

24" SLOT

24" SLOT

24" RCP



TOP OF GRATE EL= 99.70  
 6" SLOT EL (N&S)= 99.20  
 (SLOT WIDTH 2'-0")

SECTION A-A VIEW

INV EL (N&S)= 96.10  
 STRUCTURAL  
 BOTTOM EL= 95.60

S-325 TYPE C INLET DETAIL  
 SCALE: N.T.S.

REVISIONS		DATE	BY	DESCRIPTION

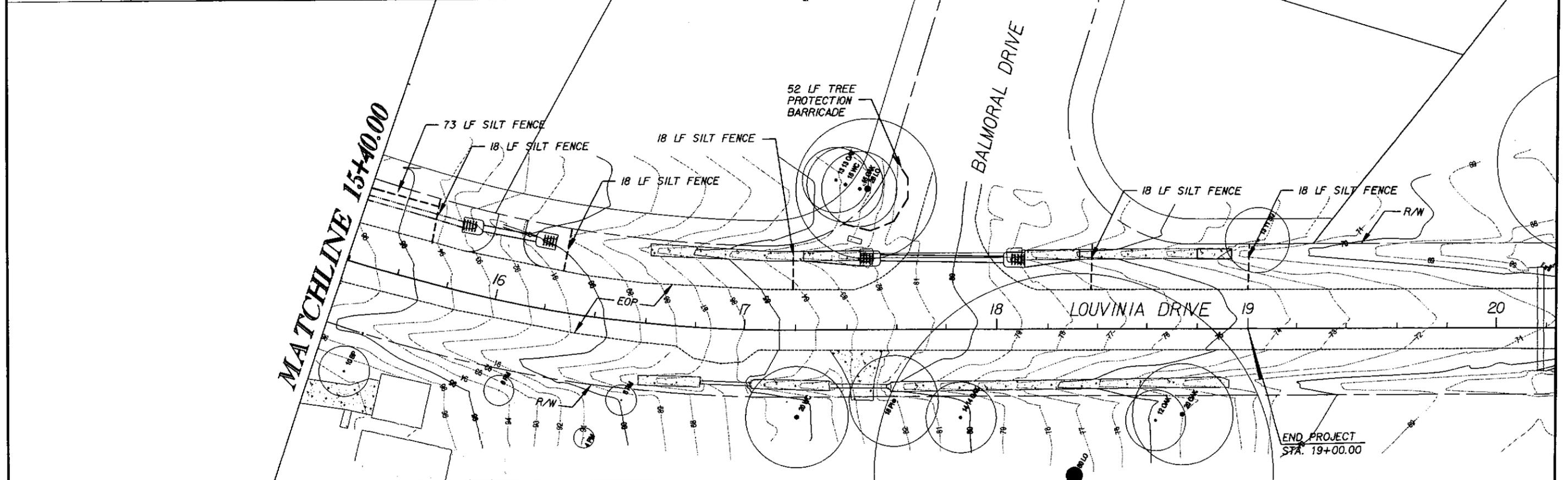
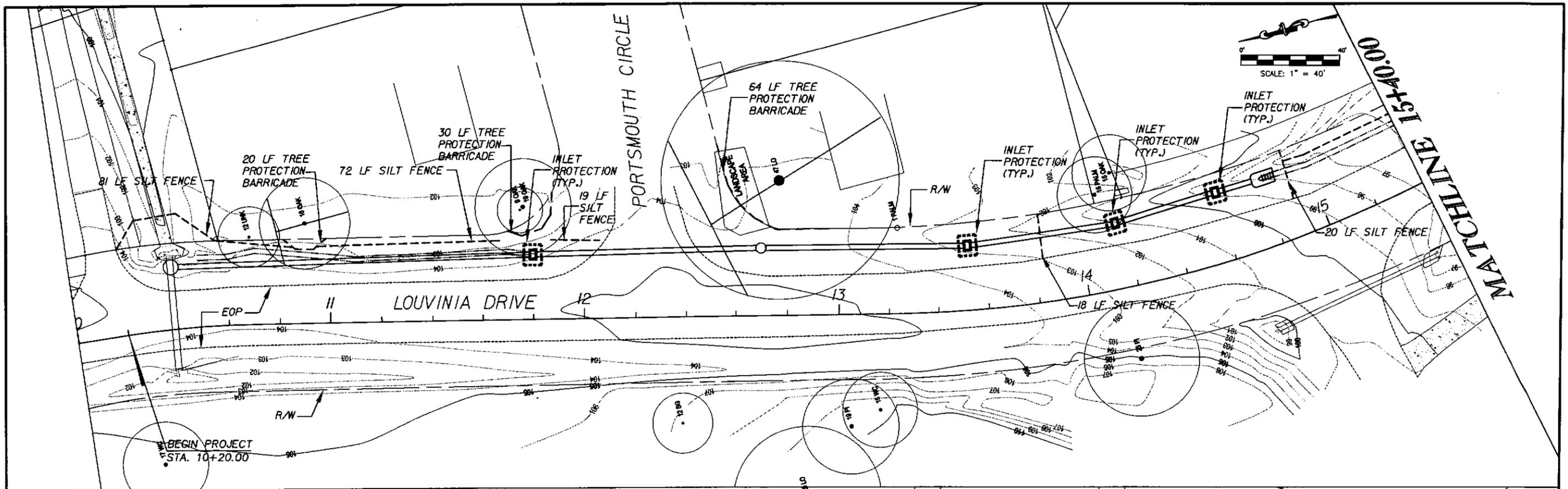
ENGINEER OF RECORD:  
*Danielle Marrero*  
 07/01/13  
 DANIELLE MARRERO, P.E.  
 P.E. #68450

REGISTE, SLIGER ENGINEERING, INC.  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9892  
 3370 CAPITAL CIRCLE NE, SUITE J  
 TALLAHASSEE, FL 32308  
 PHONE: (850) 894-1521 FAX: (850) 824-0505  
 PROJECT NUMBER: 9015B

LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 606-1500 \* FAX (850) 606-1501

**DRAINAGE STRUCTURE DETAILS**  
 PROJECT NAME: LOUVINIA DRIVE/  
 PORTSMOUTH CIRCLE  
 DRAINAGE IMPROVEMENTS

SHEET NO.  
**12**



REVISIONS	
DATE	DESCRIPTION

INITIAL	
DRAWN BY	B.A.W.
CHECKED BY	C.M.C.
DESIGN BY	D.E.M.
CHECKED BY	J.R.
DATE	04/03/13

ENGINEER OF RECORD:  
*Danielle Marrero*  
 01/01/13  
 DANIELLE MARRERO, P.E.  
 P.E. #66430



REGISTE, SLIGER ENGINEERING, INC.  
 CIVIL AND STRUCTURAL ENGINEERING CONSULTANT  
 CERT. OF AUTHORIZATION # 9292  
 3370 CAPITAL CIRCLE NE, SUITE J  
 TALLAHASSEE, FL 32308  
 PHONE: (850) 894-4521 - FAX: (850) 224-0505  
 PROJECT NUMBER: 9015B

LEON COUNTY DEPARTMENT OF PUBLIC WORKS  
 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308  
 PHONE (850) 606-1500 \* FAX (850) 606-1501

**EROSION CONTROL & TREE REMOVAL**  
 PROJECT NAME: **LOUVINIA DRIVE/ PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS**

SHEET NO.  
**13**

1. CONTROLS

1.1. STABILIZATION PRACTICES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MINIMIZING EROSION POTENTIAL BY PROVIDING TEMPORARY SEEDING AND WATER FOR AREAS THAT HAVE BEEN CLEARED AND WILL REMAIN INACTIVE FOR A PERIOD GREATER THAN 7 CALENDAR DAYS.

2. OTHER CONTROLS

2.1 WASTE DISPOSAL: THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ALL FERTILIZER, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

3. INSPECTIONS

3.1 A F.D.E.P. QUALIFIED STORMWATER MANAGEMENT CONTROL INSPECTOR PERSONAL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS .25 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAGES AND RECORD DAILY RAINFALL WHERE SITES HAVE BEEN PERMANENTLY STABILIZED. INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT EROSION CONTROL DEVICES INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

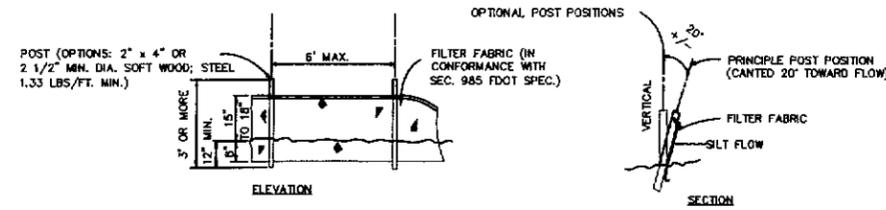
4. EROSION CONTROL NOTES

- 4.1. SILT FENCE AND FILTER FABRIC MUST BE ENTRENCHED.
- 4.2. POST FOR SILT FENCES SHALL BE EITHER 2.5 X 2 INCH DIAMETER SOFT WOOD OR 1.25 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POST SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
- 4.3. WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.
- 4.4. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND (MIN. OF 12 INCHES) WHEN EXTRA STRENGTH FABRIC IS USED. WITHOUT THE WIRE SUPPORT FENCE, POSTS SHALL NOT EXCEED 6 FEET.
- 4.5. WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POST.
- 4.6. SEDIMENT MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- 4.7. ANY SEDIMENT REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE PROPOSED AND EXISTING GRADES, PREPARED AND SEEDDED.
- 4.8. SILT FENCE SHALL BE REMOVED UPON COMPLETION OF THE PROJECT OR AT A TIME DIRECTED BY THE COUNTY. IF THE COUNTY FEELS IT IS NECESSARY FOR THE SILT FENCE TO REMAIN IN PLACE FOR SOME GIVEN TIME AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL LEAVE IT IN PLACE, IN THE PROPERLY INSTALLED WAY, AND WILL, AT THE DIRECTION OF THE COUNTY, REMOVE IT AT NO ADDITIONAL COST TO THE COUNTY WHEN THE COUNTY DEEMS IT APPROPRIATE.
- 4.9. ALL SIDE SLOPES CREATED OR DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED AS SHOWN ON PLANS AT THE EARLIEST POSSIBLE DATE TO AVOID EROSION.
- 4.10. ANY DISTURBED AREA WHICH WILL NOT BE PAVED, SODDED OR BUILT UPON SHALL HAVE A MINIMUM OF 80 % VEGETATIVE COVER PRIOR TO FINAL INSPECTION, AND IN THE OPINION OF THE COUNTY, WILL BE MATURE ENOUGH TO CONTROL SOIL EROSION AND SURVIVE SEVERE WEATHER CONDITIONS.
- 4.11. AREAS TO BE SODDED SHALL BE RAKED OR OTHERWISE CLEARED OF STONES LARGER THAN 2 INCHES (50 MM) IN ANY DIAMETER, STICKS, STUMPS, AND OTHER DEBRIS THAT MIGHT INTERFERE WITH SODDING, GROWTH OF GRASSES, OR SUBSEQUENT MAINTENANCE OF GRASS-COVERED AREAS. IF ANY DAMAGE BY EROSION OR OTHER CAUSES OCCURS AFTER GRADING OF AREAS AND BEFORE BEGINNING THE APPLICATION OF FERTILIZER AND GROUND LIMESTONE, THE CONTRACTOR SHALL REPAIR SUCH DAMAGE.
- 4.12. THE SOD SHALL BE DELIVERED ALIVE, FRESH AND UNINJURED, AND SHALL BE TRANSPLANTED WITHIN 24 HOURS OF THE TIME IT WAS CUT. THE CONTRACTOR SHALL WATER THE SOD DAILY UNTIL ROOTS HAVE BEEN ESTABLISHED. DEAD SOD SHALL BE REPLACED AND MAINTAINED AT NO COST TO THE OWNER. THE SOD SHALL HAVE A SOIL MAT OF SUFFICIENT THICKNESS ADHERING FIRMLY TO THE ROOTS TO WITHSTAND ALL NECESSARY HANDLING. IN ADDITION, SOD SHALL BE SUFFICIENTLY THICK TO SECURE A DENSE STAND OF LIVE GRASS.

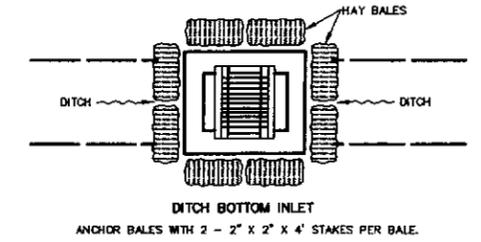
CONSTRUCTION SEQUENCE

- 1. CONDUCT PRE-CONSTRUCTION CONFERENCE WITH THE CONTRACTOR, ENGINEER OF RECORD AND LEON COUNTY ENVIRONMENTAL INSPECTOR (CEI) PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES AT THE SITE.
- 2. PRIOR TO ANY EARTHWORK, INSTALL ALL PERIMETER SILT FENCE AND TREE PROTECTION BARRICADES.
- 3. ESTABLISH LIMITS OF CLEARING.
- 4. SOD AND STABILIZE DISTURBED AREAS WITHIN 7 DAYS OF CONSTRUCTION ACTIVITIES COMMENCING.
- 5. COMPLETE AS-BUILT SURVEY WHEN CONSTRUCTION IS COMPLETE.
- 6. AS-BUILT SURVEY AND PE COMPLIANCE NARRATIVE SHALL BE SUBMITTED TO LEON COUNTY DEVELOPMENT SUPPORT AND ENVIRONMENTAL MANAGEMENT AT LEAST TWO WEEKS PRIOR TO REQUESTING FINAL INSPECTION.
- 7. REMOVE ALL EROSION CONTROL DEVICES AND TREE PROTECTION BARRICADES AT THE DIRECTION OF THE LEON COUNTY ENVIRONMENTAL INSPECTOR.

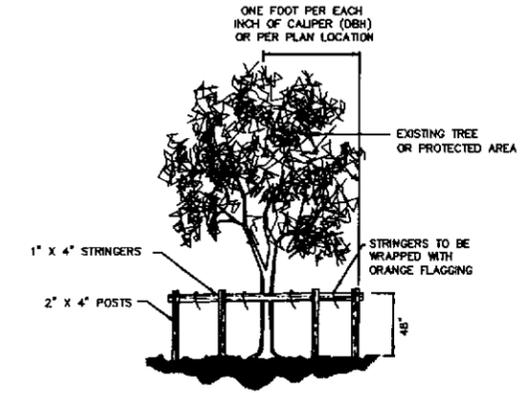
NOTE: AS-BUILT PLANS WITH SPECIFIC TOPOGRAPHIC INFORMATION, SIGNED/SEALED BY A FLORIDA LICENSED LAND SURVEYOR AND A COMPLIANCE CERTIFICATE SIGNED/SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED AND SHOULD BE SUBMITTED TO THE DIRECTOR AT LEAST 20 DAYS PRIOR TO THE PERMITTEE/APPLICANT'S REQUEST FOR FINAL INSPECTION.



1 TYPE III SILT FENCE  
N.T.S.



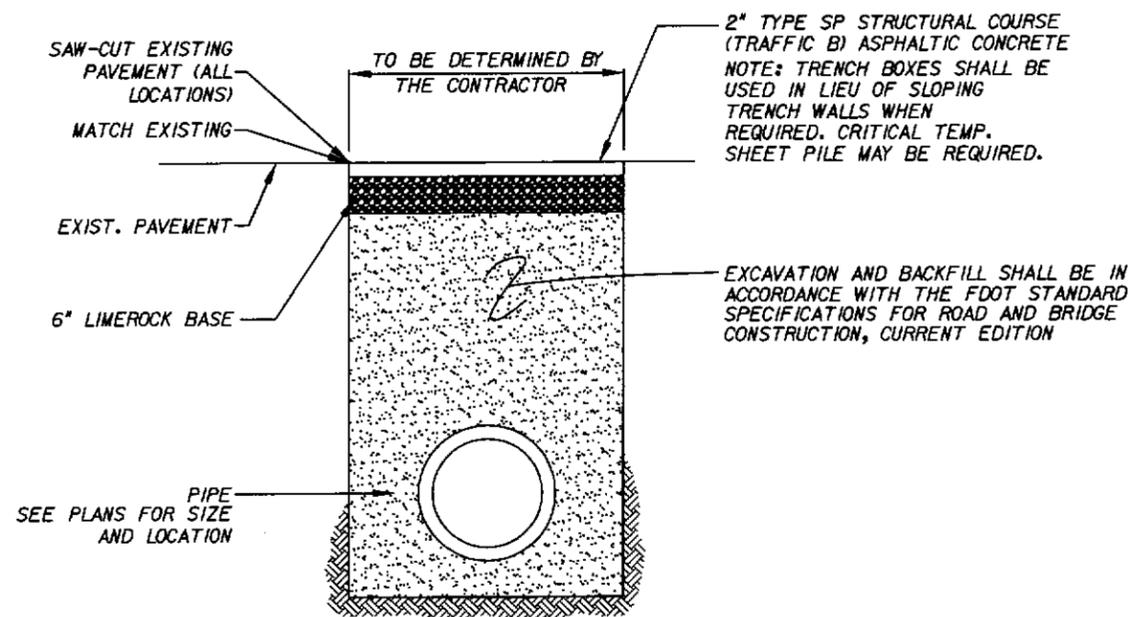
3 PROTECTION AROUND INLETS  
N.T.S.



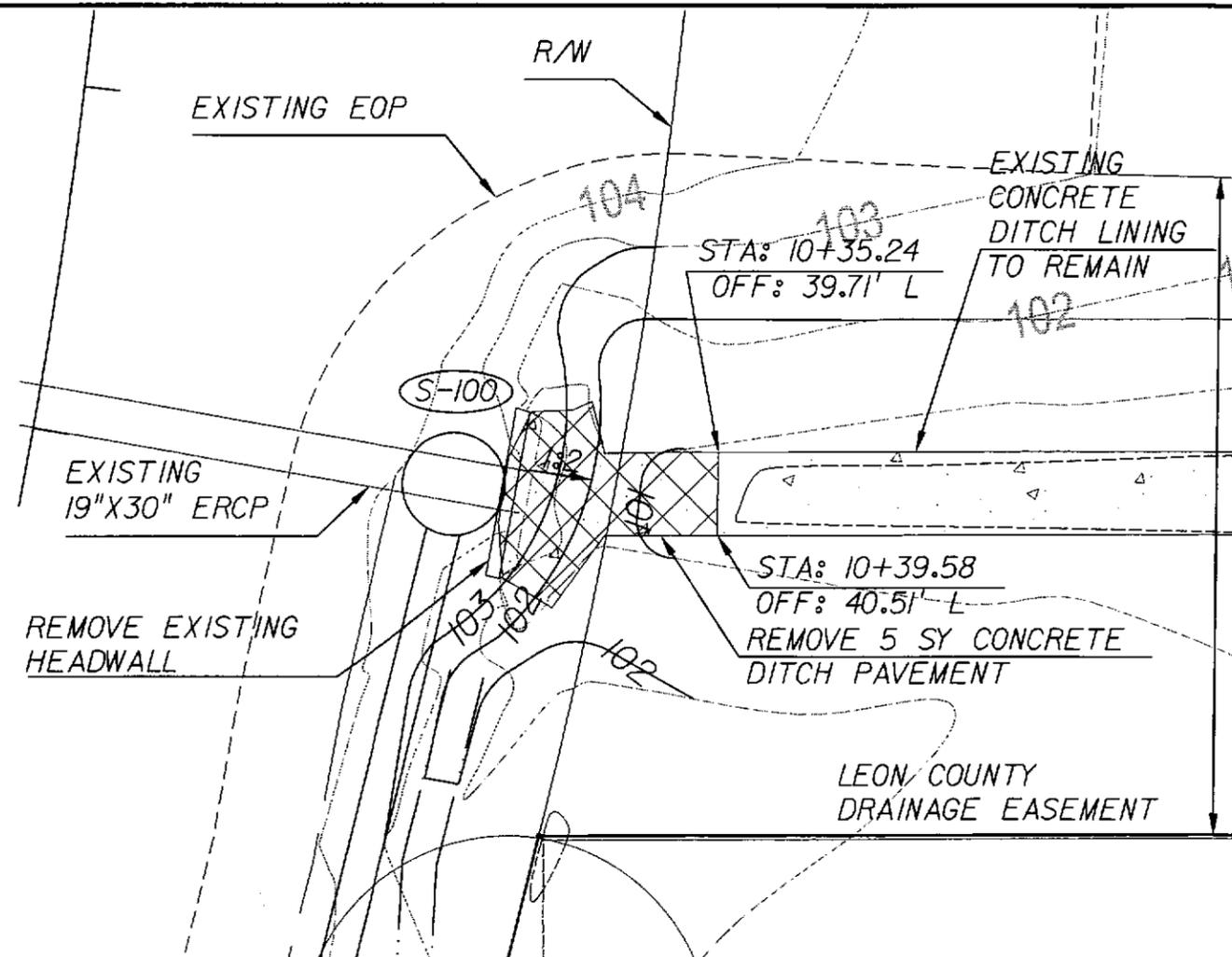
NOTE: CONTRACTOR MAY SUBSTITUTE BARRICADES WITH BLAZE ORANGE "SAFETY" FENCE.  
TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 60% OF THE CRITICAL PROTECTION ZONE OR AS SITE CONDITIONS ALLOW.

2 TREE PROTECTION DETAIL  
N.T.S.

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p>INITIAL</p> <p>B.A.W.</p> <p>C.L.C.</p> <p>D.F.M.</p> <p>J.R.</p> <p>04/03/13</p>	<p>ENGINEER OF RECORD:</p> <p><i>Danielle M.</i></p> <p>07/01/13</p> <p>DANIELLE MARRERO, P.E.</p> <p>P.E. #58450</p>	<p>REGISTE, SLIGER ENGINEERING, INC.</p> <p>CIVIL AND STRUCTURAL ENGINEERING CONSULTANT</p> <p>CERT. OF AUTHORIZATION # 9292</p> <p>3370 CAPITAL CIRCLE NE, SUITE J</p> <p>TALLAHASSEE, FL 32308</p> <p>PHONE: (850) 694-4321 - FAX: (850) 224-0505</p> <p>PROJECT NUMBER: 90158</p>	<p>LEON COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308</p> <p>PHONE (850) 606-1500 * FAX (850) 606-1501</p>	<p><b>EROSION CONTROL NOTES AND DETAILS</b></p> <p>PROJECT NAME: <b>LOUVINIA DRIVE/ PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS</b></p>	<p>SHEET NO.</p> <p><b>14</b></p>
DATE	BY	DESCRIPTION											



PAVEMENT RESTORATION FOR TRENCHES  
NTS



GRADING DETAIL AROUND S-100  
NTS

REVISIONS		DATE	BY	DESCRIPTION

DRAWN BY	B.A.W.
CHECKED BY	C.M.C.
DESIGN BY	D.E.W.
CHECKED BY	J.R.
DATE	04/03/13

ENGINEER OF RECORD:	<i>Danielle Marrero</i>
DATE:	07/01/13
NAME:	DANIELLE MARRERO, P.E.
NO.:	26430

	<b>REGISTE, SLIGER ENGINEERING, INC.</b> CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 3370 CAPITAL CIRCLE NE, SUITE J TALLAHASSEE, FL 32308 PHONE: (850) 894-4321 - FAX: (850) 224-0505 PROJECT NUMBER: 9015B
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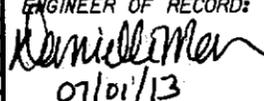
	<b>LEON COUNTY DEPARTMENT OF PUBLIC WORKS</b> 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 606-1500 * FAX (850) 606-1501
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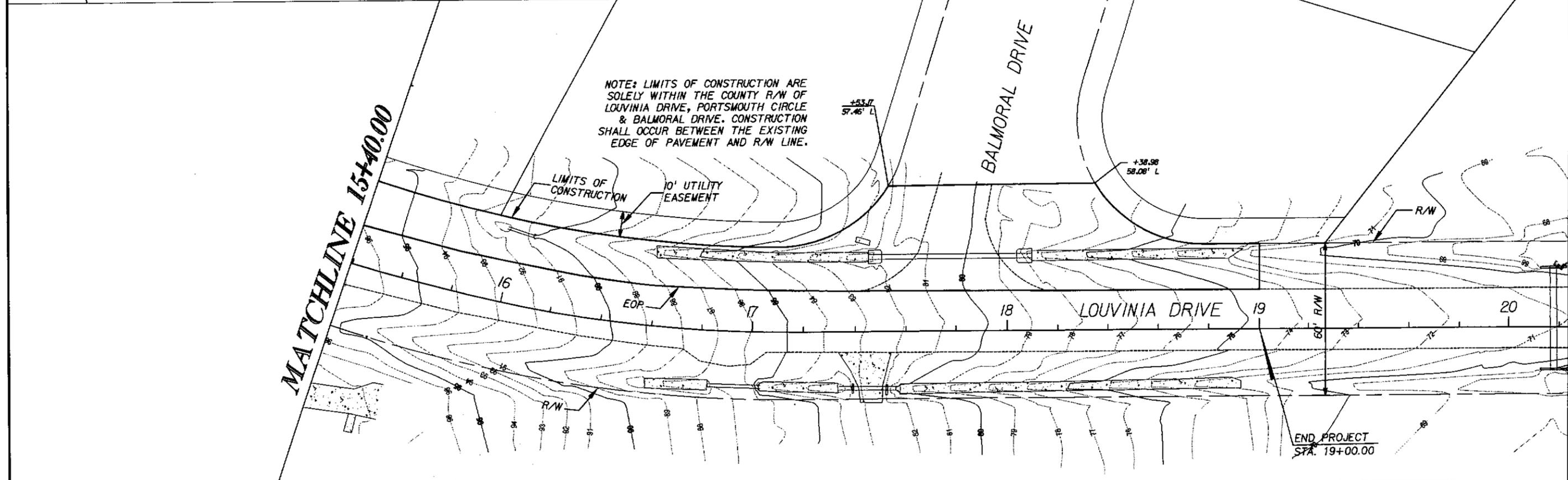
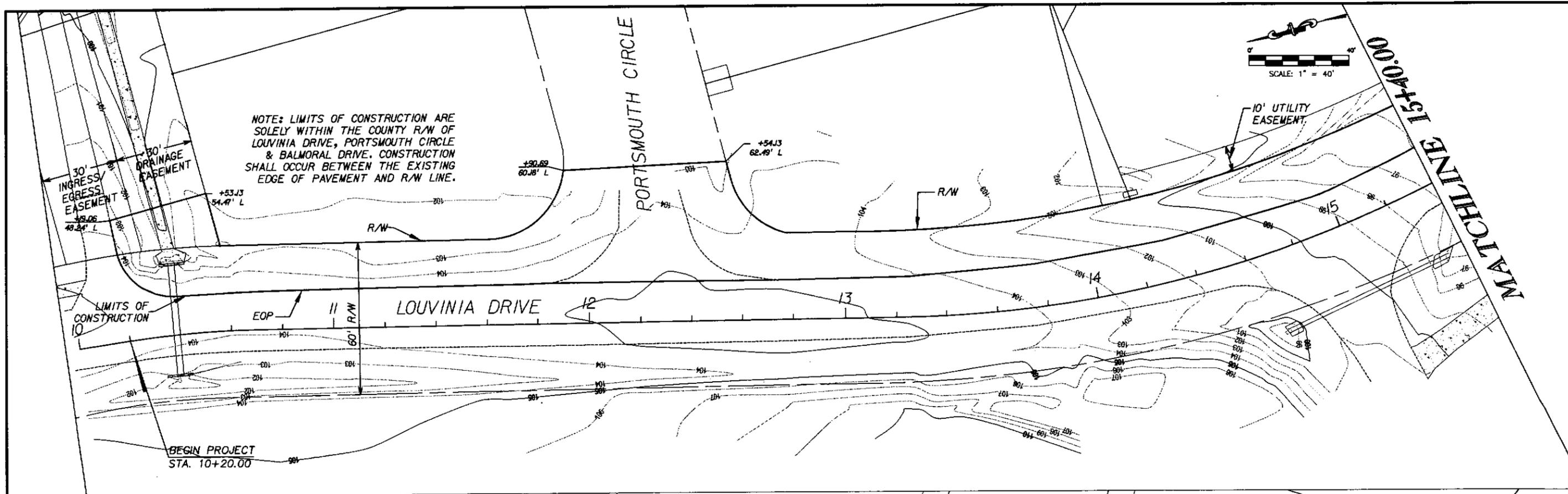
<b>MISCELLANEOUS DETAILS</b> PROJECT NAME: <b>LOUVINIA DRIVE/ PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS</b>	SHEET NO. <b>15</b>
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MAINTENANCE OF TRAFFIC NOTES

1. CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLANS TO THE LEON COUNTY PROJECT MANAGER FOR APPROVAL. MAINTENANCE OF TRAFFIC PLANS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER OR CERTIFIED BY AN INDIVIDUAL WITH A CURRENT FDOT CERTIFIED ADVANCED MOT PRACTITIONER CERTIFICATE.
2. TRAFFIC IS TO BE MAINTAINED IN ACCORDANCE WITH FDOT STANDARD INDEX 602 AND 604, DEPENDANT UPON THE OPERATION TO BE PERFORMED. FOR GENERAL TCZ REQUIREMENTS AND ADDITIONAL INFORMATION, REFER TO STANDARD INDEX 600.
3. THE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "ROADWAY AND TRAFFIC DESIGN STANDARDS".
4. EXISTING SPEED LIMIT SIGNS SHALL BE MAINTAINED WITHIN THE LIMITS OF THE ACTIVE WORK ZONES ALONG PROJECT.
5. POSITIVE DRAINAGE SHALL BE MAINTAINED PRIOR TO, DURING, AND AFTER CONSTRUCTION.
6. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS DURING AN EVACUATION NOTICE OF A HURRICANE OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE LEON COUNTY PROJECT MANAGER.
7. PUBLIC ACCESS TO RESIDENCES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
8. CONTRACTOR IS RESPONSIBLE FOR KEEPING UP ROAD MAINTENANCE DURING CONSTRUCTION.
9. NO MORE THAN ONE WORK ZONE LANE CLOSURE IS PERMITTED AT ANY GIVEN TIME THROUGH THE PROJECT DURATION. WORK ZONE LANE CLOSURES TO BE NO GREATER THAN 300 FEET LONG.
10. TOTAL ROAD CLOSURES IN EXCESS OF 24 HOURS WILL REQUIRE 2 WEEKS ADVANCE NOTICE TO LEON COUNTY PUBLIC WORKS.
11. LANE CLOSURES SHALL NOT BE ALLOWED BETWEEN THE HOURS OF 7:00 AM AND 9:00 PM OR BETWEEN 4:00 PM AND 6:00 PM UNLESS APPROVED BY LEON COUNTY DEPARTMENT OF PUBLIC WORKS.

REVISIONS		INITIAL	ENGINEER OF RECORD:		REGISTE, SLIGER ENGINEERING, INC. CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 3370 CAPITAL CIRCLE NE, SUITE J TALLAHASSEE, FL 32308 PHONE: (850) 894-4521 - FAX: (850) 224-0505 PROJECT NUMBER: 9015B	 LEON COUNTY DEPARTMENT OF PUBLIC WORKS 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 606-1500 * FAX (850) 606-1501	<b>MAINTENANCE OF TRAFFIC</b> <b>NOTES</b>	SHEET	
DATE	BY	DESCRIPTION	DRAWN BY				CHECKED BY	DESIGN BY	CHECKED BY
			B.A.W.	C.M.C.	D.E.W.	J.R.	04/03/13	LOUVINIA DRIVE/ PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS	16

  
 07/01/13  
 DANIELLE MARRERO, P.E.  
 P.E. #6450



<b>REVISIONS</b> DATE BY DESCRIPTION		INITIAL DRAWN BY B.A.W. CHECKED BY C.M.C. DESIGN BY D.E.M. CHECKED BY J.R. DATE 04/03/13	ENGINEER OF RECORD:  07/01/13 DANIELLE MARRERO, P.E. P.E. #66430	 <b>REGISTE, SLIGER ENGINEERING, INC.</b> CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 3370 CAPITAL CIRCLE NE, SUITE J TALLAHASSEE, FL 32308 PHONE: (850) 894-4521 - FAX: (850) 224-0505 PROJECT NUMBER: 9015B	 <b>LEON COUNTY DEPARTMENT OF PUBLIC WORKS</b> 2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 606-1500 * FAX (850) 606-1501	<b>LIMITS OF CONSTRUCTION</b> PROJECT NAME: <b>LOUVINIA DRIVE/ PORTSMOUTH CIRCLE DRAINAGE IMPROVEMENTS</b>	SHEET NO. <b>17</b>
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