

APPENDIX D

PLANS/DRAWINGS



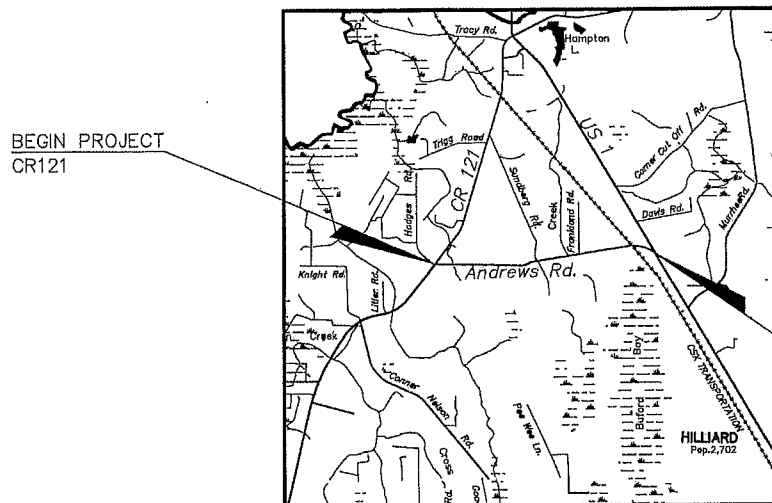
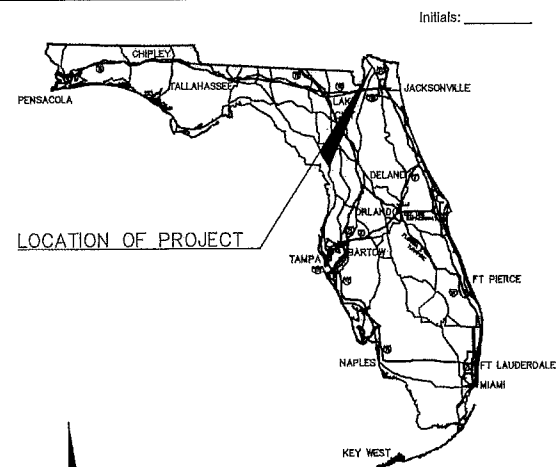
NASSAU COUNTY ENGINEERING CONTRACT PLANS

RESURFACING – ANDREWS ROAD
CR121 TO US1

ROADWAY PLANS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	TYPICAL SECTION & PAY ITEMS



BID SET-3/13/17

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

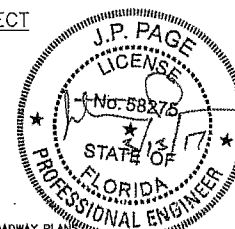
BOARD OF COUNTY COMMISSIONERS

DANIEL B. LEEPER – DISTRICT 1
 STEPHEN W. KELLEY – DISTRICT 2
 PAT EDWARDS – DISTRICT 3
 GEORGE V. SPICER – DISTRICT 4
 JUSTIN M. TAYLOR – DISTRICT 5

*THESE PLANS WERE PREPARED WITHOUT THE BENEFIT OF A SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	16,368	3.1
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	16,368	3.1

NASSAU COUNTY PROJECT MANAGER: JONATHAN P. PAGE, P.E.



ROADWAY PLANS
ENGINEER OF RECORD: JONATHAN P. PAGE, P.E.

P.E. NO.: 58275

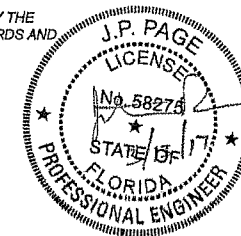
BID SET

1. THE CONTRACTOR SHALL NOTIFY UTILITIES THROUGH SUNSHINE ONE CALL OF FLORIDA, INC. (1-800-432-4770) IN ADVANCE OF BEGINNING CONSTRUCTION ON THE PROJECT SITE.

OKEFENOKE EMC: ROY SIKES - 1-800-262-5131 *3305
WINDSTREAM: GARY CARY - 1-386-462-6530
2. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER, ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES TO HIS EMPLOYEES AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COST ASSOCIATED WITH COMPLYING WITH O.S.H.A. REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTOR'S BID.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUB-SURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED, FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONTRACT. THE CONTRACTOR IS ALSO URGED TO TAKE COLOR PHOTOGRAPHS THROUGHOUT THE PROJECT AREA TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN THE POSSIBLE FUTURE COMPLAINTS THAT MAY OCCUR DUE TO CONSTRUCTION OF PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE FOR THE PROJECT.
5. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION WITH ALL OTHER CONTRACTORS IN THE AREA, IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
6. ALL DEBRIS RESULTING FROM ALL ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR ON A DAILY BASIS.
7. ALL EXCESS SUITABLE AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE OWNER.
8. A PRE-CONSTRUCTION MEETING IS REQUIRED TO BE ATTENDED BY NASSAU COUNTY REPRESENTATIVES, THE CONTRACTOR, CONTRACTOR'S TESTING FIRM AND ALL SUB-CONTRACTORS.
9. ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 8 HOURS AFTER RECEIVING NOTIFICATION OF A HURRICANE EVACUATION OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY NASSAU COUNTY. SITE MUST BE EVACUATED AND EQUIPMENT REMOVED AS WELL. SUBMIT HURRICANE PREPAREDNESS PLAN AT PRE-CON.
10. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO EITHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL REQUIRED TO BE REMOVED AND/OR TO ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED. CONTRACTOR TO USE APPROVED PIT.
11. CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES AND BERMS INCLUDED IN THIS PROJECT, AND THE CLEARING AND GRUBBING OF ALL RIGHT-OF-WAY OR EASEMENTS SHALL BE CONSIDERED AS PART OF THIS PROJECT. CONTRACTOR WILL SEED AND MULCH ALL DISTURBED AREAS.
12. THE CONTRACTOR SHALL NOT ALLOW ANY ASPHALT SPOILS TO BE SWEEPED OR BLOWN ONTO THE UNPAVED SHOULDER AREA, INTO DRAINAGE STRUCTURES OR DITCHES. CONTRACTOR SHALL CLEAN UP DAILY AND HAVE A MECHANICAL BROOM AVAILABLE, AS NECESSARY.
13. MATERIALS AND TESTING SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELATIVE SECTIONS OF NASSAU COUNTY STANDARDS (LATEST REVISION) AND ALL CURRENT NASSAU COUNTY STANDARD DETAILS, FDOT DESIGN STANDARDS AND FDOT STANDARD SPECIFICATIONS ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
14. CONTRACTOR SHALL PROVIDE MATERIALS TESTING FROM AN INDEPENDENT TESTING COMPANY AT THE CONTRACTOR'S COST. ALL TESTING SHALL MEET COUNTY OR FDOT STANDARDS, WHICHEVER IS MORE STRINGENT.

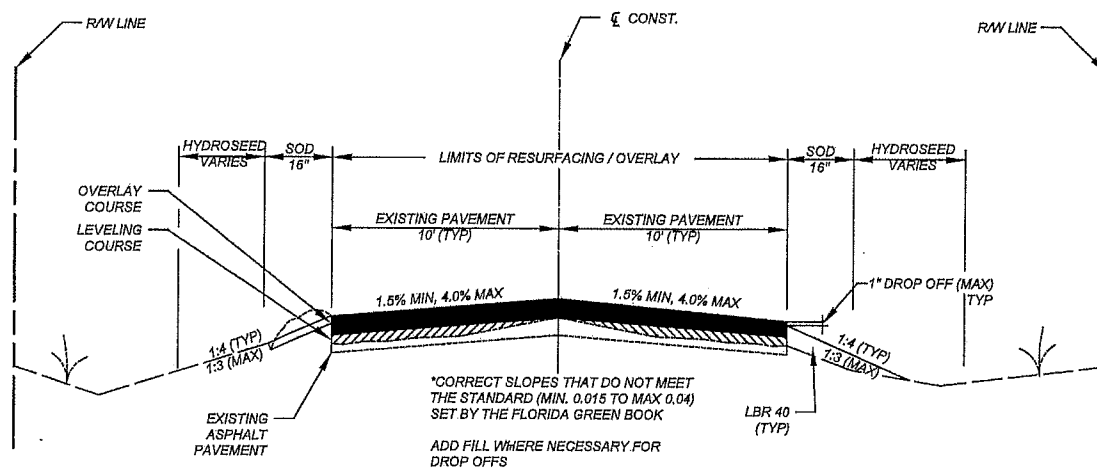
15. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT WITH A SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR REINSTALLATION OF THE MONUMENT.
16. ALL WORK PERFORMED WITHIN COUNTY'S RIGHT-OF-WAY SHALL CONFORM TO NASSAU COUNTY'S ORDINANCE 99-17 AND TO THE MOST CURRENT EDITION OF THE FOLLOWING PUBLICATIONS:
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND PAVEMENT REHABILITATION
 - FDOT DESIGN STANDARDS
 - FDOT PLANS PREPARATION MANUAL
 - FDOT FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION
17. ALL DISTURBED AREAS (INCLUDING SHOULDER DROPOFFS) GREATER THAN THOSE SHOWN ON THE TYPICAL SECTION) WITHIN THE RIGHT-OF-WAY WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND HYDROSEEDING THE AREA DISTURBED. AREAS DISTURBED BY THE CONTRACTOR'S ACTIVITIES (STAGING, ETC) NOT DIRECTLY RELATED TO PERFORMANCE OF THE WORK SHALL BE INCIDENTAL TO THE WORK AND THOSE AREAS SHALL NOT BE MEASURED FOR PAYMENT.
18. ACCESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES.
19. LANE CLOSURES SHALL BE PERFORMED BETWEEN THE HOURS OF 9:00AM TO 4:00 PM.
20. NIGHT TIME, WEEKEND, HOLIDAY OR WORK DURING THE FCAT OR OTHER DATES AS DEFINED IN THE CONTRACT DOCUMENTS SHALL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM NASSAU COUNTY.
21. ROAD CLOSURES WILL NOT BE PERMITTED.
22. THESE PLANS WERE PRODUCED WITHOUT THE BENEFIT OF A SURVEY. THE PLANS SHOULD NOT BE SCALED. ALL IMPROVEMENTS ARE TO BE CONSTRUCTED AND PAID BY THEIR RESPECTIVE FDOT PAY ITEM NUMBERS FOR THE QUANTITIES PLACED. ANY ADDITIONAL ITEMS THAT ARE ENCOUNTERED IN THE FIELD SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION.
23. ALL DRIVEWAY CULVERTS AND DRAINAGE FACILITIES ARE EXISTING AND TO REMAIN.
24. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACHIEVE THE MINIMUM AND MAXIMUM CROSS-SLOPES SHOWN ON THE TYPICAL SECTIONS WITH THE MINIMUM AMOUNT OF ASPHALT POSSIBLE. THE COUNTY WILL NOT PAY CONTRACTOR FOR ASPHALT IN EXCESS OF THE AMOUNTS SPECIFIED TO ACHIEVE THE REQUIREMENTS OF THE TYPICAL SECTIONS.

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING THE EXISTING STRIPING WITH NEW STRIPING IN THE SAME LOCATION.
2. ALIGNMENT OF PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING PAVEMENT AT LIMITS OF CONSTRUCTION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP RPM'S CLEAN FROM EXISTING, TEMPORARY AND FINAL PAVEMENT MARKINGS. ANY REPLACEMENT AFTER THE FINAL PLACEMENT SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. THE STREET NAME SIGNS SHALL REMAIN VISIBLE AT ALL TIMES DURING CONSTRUCTION.
5. ANY EXISTING SIGNS DAMAGED BEYOND USE BY THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
6. ALL TRAFFIC STRIPING AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC.
7. REMOVAL OF EXISTING STRIPING (IF REQUIRED) SHALL BE ACCOMPLISHED USING THE "HYDRO-BLAST" METHOD. IF THIS PROCESS DAMAGES/SCARS PAVEMENT (AS DETERMINED BY THE ENGINEER), THEN THE PAVEMENT SHALL BE OVERLAYED AND RESTRIPE PER FDOT STANDARDS AND CONSIDERED INCIDENTAL TO THE PROJECT.



<div style="text-align: center;"> REVISIONS </div>				<div style="text-align: center;"> PLANS PREPARED BY:  NASSAU COUNTY ENGINEERING SERVICES 96161 NASSAU PLACE YULEE, FL 32097 (904) 530-5225 </div>		<div style="text-align: center;"> DATE: 3/20/2017 BY: JPP NASSAU COUNTY PROJECT MANAGER: JONATHAN PAGE, P.E. </div>		<div style="text-align: center;"> ENGINEER OF RECORD:  JONATHAN PAGE, P.E. P.E. # 52275 96161 NASSAU PLACE YULEE, FL 32097 </div>		<div style="text-align: center;"> GENERAL NOTES CONSTRUCTION PLANS FOR: ANDREWS ROAD RESURFACING-US301 TO DUVAL CL </div>		<div style="text-align: center;"> SHEET NO. 2 OF 3 </div>	
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Initials: _____



TYPICAL SECTION ANDREWS ROAD CR121 - US1

(BEGINNING AND END STATIONS TO BE
VERIFIED IN THE FIELD BY NASSAU COUNTY
PRIOR TO SAWCUTTING FOR KEY JOINTS)

LIFT 1 - LEVELING

TYPE SP-9.5 (FINE) W/ RAP (AVERAGE 60 LBS PER SY)

LIFT 2 - OVERLAY

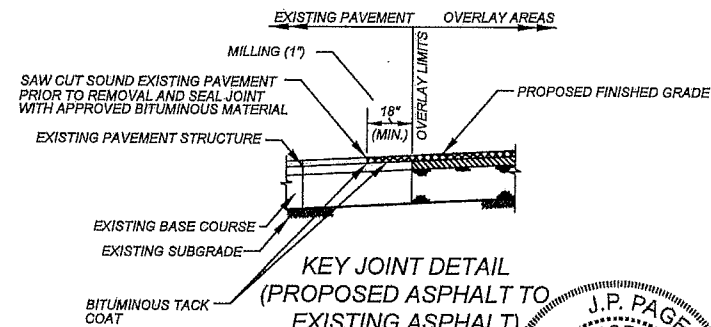
TYPE SP-9.5 (FINE) (1.25") (RAP)

TRAFFIC LEVEL "C"

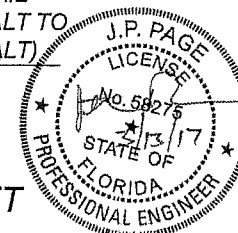
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TYPICAL SECTION & PAYITEM NOTES:

1. THE SHOULDER/DROP OFF HAZARD TREATMENT SHOWN ON THE TYPICAL WILL NOT APPLY IN MOST LOCATIONS. THIS ROADWAY HAS NO DEFINED SHOULDER AND THE INTENT OF THIS PROJECT IS TO RESURFACE THE ROADWAY NOT CONSTRUCT THE SHOULDER.
2. ALL DROP OFF/SOULDER WORK SHALL BE DELINEATED IN THE FIELD BY THE CONTRACTOR WITHIN 7 DAYS OF PLACING THE SURFACE COURSE. THESE AREAS SHALL THEN BE APPROVED BY THE ENGINEER PRIOR TO RECEIVING TREATMENT AND ALL WORK REQUIRED IS TO BE INCLUDED IN THE BASE BID UNIT COSTS FOR PERFORMANCE TURF AND EMBANKMENT(S).
3. WHEN A DROP OFF CONDITION IS GREATER THAN 5" CONTRACTOR TO PLACE ASPHALT MILLINGS FOR THE FIRST 3" AND REGULAR EMBANKMENT FOR THE BALANCE OF THE CORRECTION. AREAS THAT APPEAR TO ENCOUNTER HEAVY RUNOFF OR ANTICIPATED VEHICULAR TRAFFIC (MAIL BOXES, SUPERELEVATED CURVES, ETC) MAY REQUIRE FULL DEPTH MILLINGS. CONTRACTOR TO COORDINATE WITH COUNTY PRIOR TO PLACEMENT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACHIEVE THE MINIMUM AND MAXIMUM CROSS-SLOPES WITH THE MINIMUM AMOUNT OF ASPHALT POSSIBLE. THE COUNTY WILL NOT PAY THE CONTRACTOR FOR ASPHALT IN EXCESS OF THE AMOUNTS SPECIFIED IN THE PLANS TO ACHIEVE THE REQUIREMENTS OF THE TYPICAL SECTION.
5. PAYMENT FOR WORK ASSOCIATED WITH ELIMINATING DROP OFF'S GREATER THAN 1" OR CREATING A 1:4 (MAX) FRONT SLOPE (WHERE PRACTICABLE AS DIRECTED BY THE ENGINEER) IS TO BE INCLUDED IN THE CONTRACT UNIT PRICES FOR EMBANKMENT AND PERFORMANCE TURF.
6. PERFORMANCE TURF SHALL BE BERMUDA MEETING THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS SECTION 570, LATEST EDITION FOR MATERIALS AND PERFORMANCE. ESTABLISHMENT AND ACCEPTANCE. SEED SHALL MEET ALL REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS SECTION 981, LATEST EDITION.
7. LEVELING AND OVERLAY TO BE BID AND CONSTRUCTED AS SEPERATE LIFTS.
8. CONTRACTOR SHALL BE RESPONSIBLE TO PAVE IN SUCH A MANNER AS TO AVOID DROPOFFS DURING CONSTRUCTION PER FDOT STANDARDS. ANY ADDITIONAL WORK REQUIRED TO ACHIEVE THESE REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR THAT WORK.
9. NO WORK TO BE PERFORMED IN THE RAILROAD RIGHT OF WAY. CONTRACTOR TO VERIFY.



BID SET



SUMMARY OF PAY ITEMS				
ITEM NUMBER	ITEM DESCRIPTION	UNIT	PLAN	FINAL
101-1R	MOBILIZATION	LS	1	
102-1R*	MAINTENANCE OF TRAFFIC*	LS	1	
120-8	EMBANKMENT	CY	750	
120-8M	EMBANKMENT - MILLINGS	CY	250	
327-70-5	MILLING EXIST. ASPH. CONC. 1" AVG DEPTH	SY	850	
334-1-22	SUPERPAVE ASPH. CONC. TRAFFIC "C" 1.25" (OVERLAY)	TN	2700	
334-1-22L	SUPERPAVE ASPH. CONC. LEVELING (SOI/SY AVG)	TN	1000	
570-1-1	PERFORMANCE TURF (HYDROSEED)	SY	2000	
570-1-2	PERFORMANCE TURF (SOD)	SY	5000	
705-3	RPM B-DIRECTONAL, YELLOW	EA	825	
711-15-101	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	NM	8.3	
711-15-201	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	NM	3	
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	88	
711-16-231	THERMOPLASTIC, STANDARD, YELLOW, SKIP, 6"	GM	1.5	
711-14-180	RAILROAD MARKINGS & STOP AHEAD MARKINGS	EA	6	

* TO INCLUDE ALL TEMPORARY AND WORK ZONE STRIPING, SIGNAGE OR ANY OTHER ITEM REQUIRED BY FDOT SPECIFICATION 102

REVISIONS

NO.	DATE	BY	DESCRIPTION

PLANS PREPARED BY:

NASSAU COUNTY
ENGINEERING SERVICES
88181 NASSAU PLACE
YULEE, FL 32097
(904) 630-6225

DATE: 3/09/2017 BY: JPP

NASSAU COUNTY PROJECT MANAGER:
JONATHAN PAGE, P.E.

ENGINEER OF RECORD:

JONATHAN PAGE, P.E.
P.E. # 68275
88181 NASSAU PLACE
YULEE, FL 32097
(904) 491-7330

TYPICAL SECTION

CONSTRUCTION PLANS FOR:

ANDREWS ROAD RESURFACING-CR121 TO US1

SHEET NO.

3 OF 3