

COMPONENTS OF CONTRACT PLANS SET
ROADWAY PLANS

LEON COUNTY
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLANS FOR
APALACHEE REGIONAL PARK
MEDIAN OPENING RELOCATION & ACCESS DESIGN

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	TYPICAL SECTIONS
3	TYPICAL SECTIONS
4	GENERAL NOTES
5-6	ROADWAY PLAN
7	ACCESS ROAD PLAN AND PROFILE
8-23	CROSS SECTIONS
24	STORMWATER POND
25	POND DETAILS
26-27	EROSION AND SEDIMENT CONTROL
28	STORMWATER POLLUTION PREVENTION PLAN
29	TRAFFIC CONTROL PLAN
30	SIGNING AND PAVEMENT MARKINGS

INCLUDED IN PLANS BY REFERENCE:

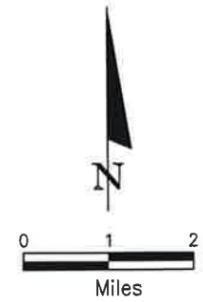
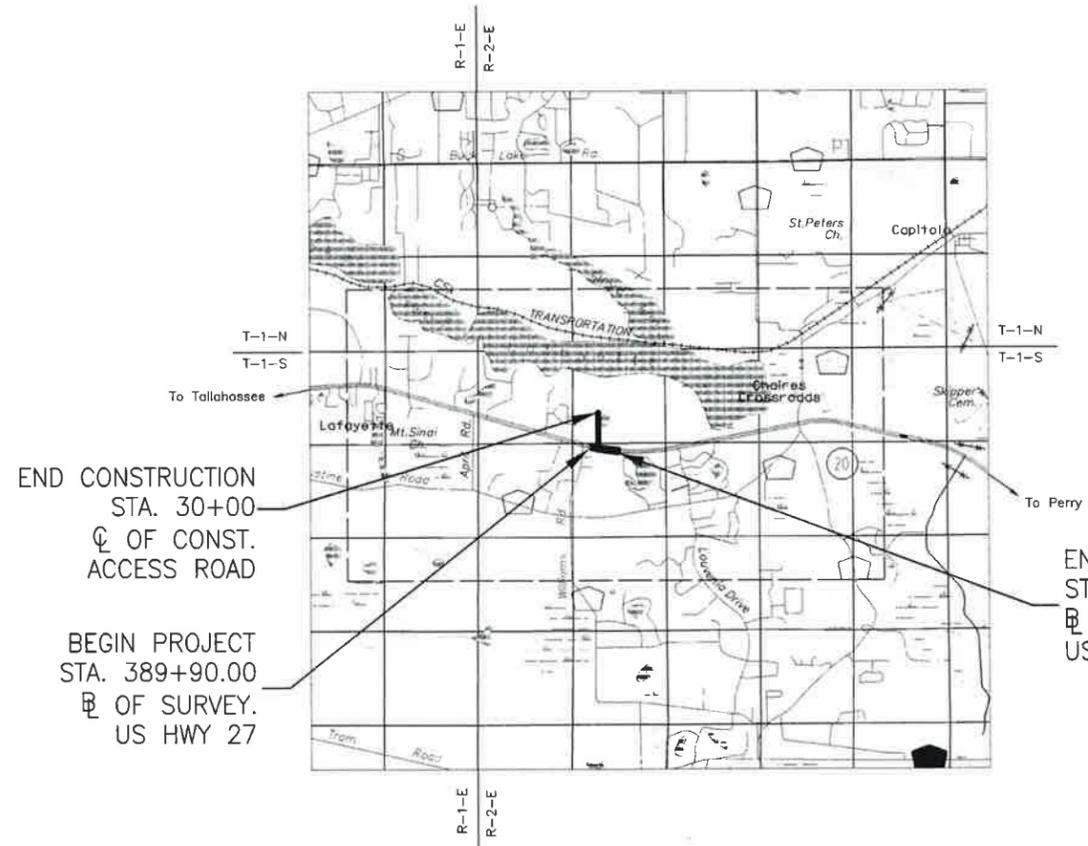
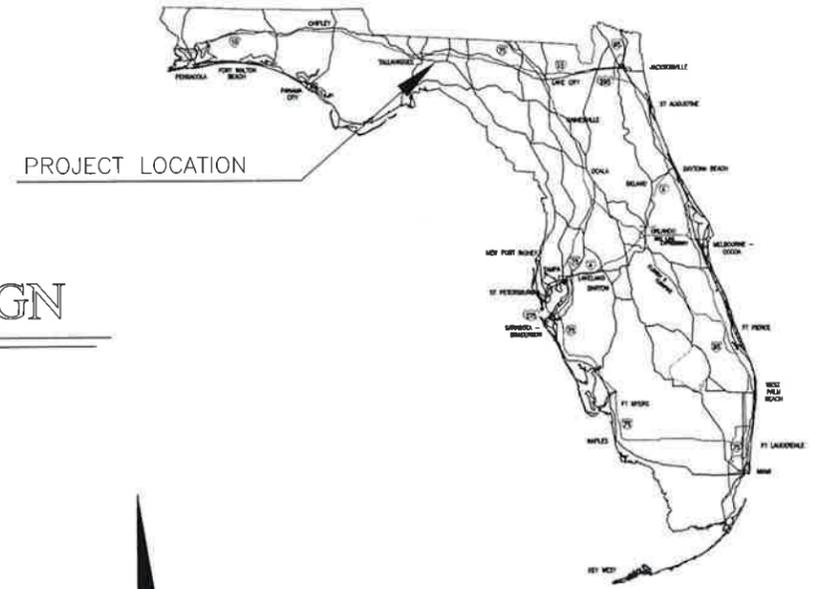
GOVERNING STANDARDS: FLORIDA DEPARTMENT OF TRANSPORTATION, 2013 DESIGN STANDARDS AND REVISED INDEX DRAWING AS APPENDED HERE IN, AND 2013 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS.

FOR DESIGN STANDARDS CLICK ON THE "DESIGN STANDARDS" LINK AT THE FOLLOWING WEB SITE:

<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:

<http://www.dot.state.fl.us/specificationsoffice/>



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
BASKERVILLE- DONOVAN, INC.
325 JOHN KNOX ROAD, BUILDING 200
TALLAHASSEE, FLORIDA 32303
CLEVE DRYDEN, P.E.

ENGINEERS OF RECORD:

BASKERVILLE- DONOVAN, INC.
325 JOHN KNOX ROAD, BUILDING 200
TALLAHASSEE, FLORIDA 32303
Cleve E. Dryden, P.E.
P.E. REG. No. 33115



ORIGINAL SHEETS WERE CREATED USING ANSI D (22" X 34") SHEETS

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

LEON COUNTY, FLORIDA

LENGTH OF PROJECT		
	ROADWAY	
	LINEAR FEET	MILES
ROADWAY	2841.54	0.538
BRIDGES	0.00	0.00
NET LENGTH OF PROJECT	2841.54	0.178
EXCEPTIONS	0.00	0.00
GROSS LENGTH OF PROJECT	2841.54	0.538

LEON COUNTY PROJECT MANAGER: S. GEORGE SU, P.E.

ROADWAY PLANS PREPARED BY:

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions

325 JOHN KNOX ROAD, BLDG. 200
TALLAHASSEE, FLORIDA 32303 (850)656-1212
ENGINEERING BUSINESS: EB-0000340

REVISIONS:		
DATE	BY	DESCRIPTION

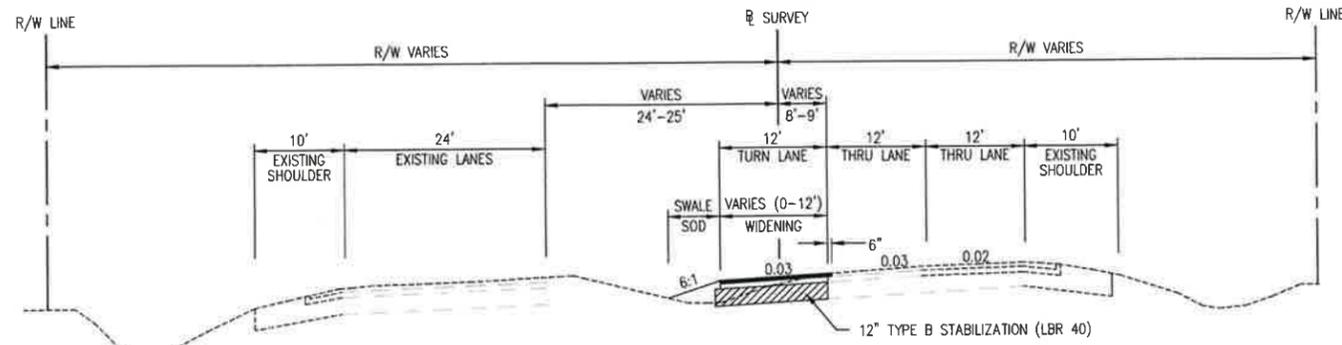
B.D.I. PROJECT NO.: 50922.01
LEON CO. PROJECT NO.:
SET NO.:

FISCAL YEAR	SHEET NO.
13	1

1:\509\50922.01 - Apalachee Parkway and Access Road\DR_1 - Kiyulshin.dwg, Jur. 04, 2013 - 4:40:41PM, jshinson

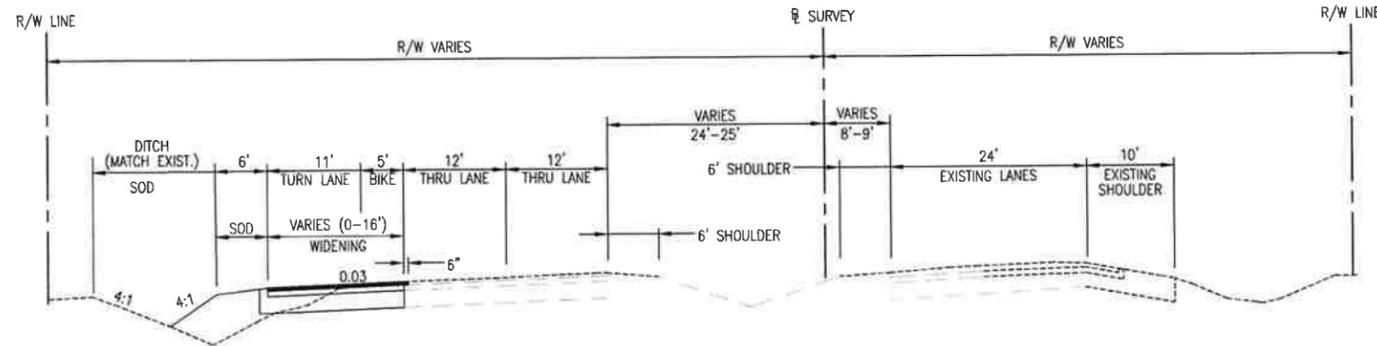
APALACHEE REGIONAL PARK

J:\509\50923.02 Apalachee Parkway Median & Access Road Improvements\DWG\Revised Drawings From Mobile\Shi 2 - Shi 3 - Typical Sections.dwg, Jun 12, 2013 - 1:57:13PM, cdryden



TYPICAL SECTION
 US HWY 27 (APALACHEE PKWY)
 STA 388+80.00 TO STA 394+80.224

WIDENING (LEFT TURN)
 OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C)(4") PG 76-22
 AND FRICTIONAL COURSE FC-9.5 (1") PG 76-22



TYPICAL SECTION
 US HWY 27 (APALACHEE PKWY)
 STA 394+80.22 TO STA 399+31.54

WIDENING (RIGHT TURN)
 OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C)(4") PG 76-22
 AND FRICTIONAL COURSE FC-9.5 (1") PG 76-22

TRAFFIC DATA

CURRENT YEAR = 2011 AADT = 17,900
 OPENING YEAR = 2013 AADT = 23,900
 DESIGN YEAR = 2021 AADT = 47,900
 K = 9.0% D = 67.30% T = 4.9% (24 HR)
 DESIGN SPEED = 65 MPH

TYPICAL SECTION NOTES:

1. ALL AREAS DISTURBED SHALL BE SODED.
2. CONTRACTOR SHALL SAW CUT 6" FROM THE EDGE OF PAVEMENT/PAVEMENT LANE TO ESTABLISH A CLEAN AND SMOOTH JOINT FOR PAVEMENT WIDENING.
3. GRADE POINT SHALL BE APPLIED AT THE EDGE OF PAVEMENT/TRAVEL LANE TO BEST FIT EXISTING CONDITIONS.
4. SWALES TO BE GRADED TO ENSURE POSITIVE DRAINAGE FLOW.



BASKERVILLE-DONOVAN, INC.
 Innovative Infrastructure Solutions
 375 JOHN KNOX ROAD, BLDG 200
 TALLAHASSEE, FLORIDA 32303 (850)656-1712
 ENGINEERING BUSINESS EB-000050

CLEVE E. DRYDEN, PE
 FL PE NO. 33115

APALACHEE REGIONAL PARK
MEDIAN OPENING RELOCATION
& ACCESS DESIGN

NO.	DATE	APPR.	REVISION/ACTION TAKEN

This drawing is the property of Baskerville-Donovan, Inc. and shall not be used in whole or in part for any other project and is to be returned upon request.

PROJECT NO. 50923.01	DESIGNED BY: DEL	DATE: JUNE 2013
DRAWN BY: JJ	CHK'D BY: CED	BY: DATE
PROJ. MGR: CED		

STATE ROAD 20
 TYPICAL SECTIONS

GENERAL NOTES:

- DATUM: NORTH AND THE DATUM SHOWN HEREON IS BASED UPON THE FLORIDA STATE PLANE COORDINATE SYSTEM, LAMBERT ZONE, FLORIDA NORTH NAD 83. VERTICAL CONTROL WAS ESTABLISHED THROUGHOUT THE SITE BY UTILIZING CONTROL SET FROM A PREVIOUS SURVEY BY BASKERVILLE-DONOVAN, INC., JOB NUMBER 50922.01, DATED 05/16/11, BASED ON BENCHMARK S 741 2010, ELEVATION 140.46 FEET, NORTH AMERICAN VERTICAL DATUM OF 1988.
- ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DISTURBED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER WITHOUT DELAY. ANY MONUMENT OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE RESET BY A FLORIDA P.L.S. AT THE CONTRACTOR'S EXPENSE.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR, BEFORE BEGINNING CONSTRUCTION.
- BEFORE DIGGING IN AREAS OF UNDERGROUND UTILITIES CALL: SUNSHINE 811, A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

UTILITY OWNERS TELEPHONE	NAMES	COMPANIES
(850) 891-1332	TOMMY CRADY	WATER (CITY OF TALLAHASSEE)
(850) 891-6182	SAL ARNALDO	SEWER (CITY OF TALLAHASSEE)
(850) 599-1017	REENE BUATTI	CENTURY LINK
(850) 891-5135	JIM ABBOTT	GAS (CITY OF TALLAHASSEE)
(850) 891-5104	TONY GUILLEN	C.O.T. ELECTRIC
(850) 878-4414	JEREMY NELMS	TALQUIN ELECTRIC
(813) 349-1477	JOE LUZZINI	LEVEL 3 COMMUNICATIONS, LLC

- THE CONTRACTOR SHALL CONFORM TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL AND THE FLORIDA DEVELOPMENT MANUAL FOR EROSION AND POLLUTION CONTROL METHODS. STAKED HAYBALES AND SILT FENCES ARE REQUIRED FOR THE PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION AND ARE USED AT LOCATIONS DEEMED NECESSARY BY THE CONTRACTOR OR AS DIRECTED BY THE ENGINEER. THESE LOCATIONS ARE IN ADDITION TO THE LOCATIONS SHOWN ON THE PLANS WHICH ARE CONSIDERED MINIMUM REQUIREMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE THE NPDES. PERMIT AND ENSURE ALL STATE AND LOCAL POLLUTION CONTROL CRITERIA ARE MET. ANY PENALTIES AND FINES INCURRED DURING THE CONSTRUCTION OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- IF GROUNDWATER IS ENCOUNTERED IN THE PIPE TRENCH, TRENCH SHALL BE DEWATERED BY PUMPING. IF DEWATERING IS NEEDED CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELATED ACTIVITIES, INCLUDING PERMITTING SHOULD IT EXCEED NFWFMD THRESHOLDS.
- SELECT BEDDING SHALL BE USED IN PIPE TRENCHES WHERE GROUNDWATER IS ENCOUNTERED.
- ANY EXISTING FENCE WITHIN THE LIMITS OF THE PROPOSED RIGHT-OF-WAY IS TO BE RELOCATED TO THE OUTER LIMIT OF THE TEMPORARY CONSTRUCTION EASEMENT. AFTER CONSTRUCTION IS COMPLETE THE FENCE SHALL BE RELOCATED AT THE RIGHT OF WAY LINE. ANY DAMAGED FENCE SHALL BE REPLACED IN LIKE KIND AT CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL RESTORE ANY AREA DISTURBED DURING CONSTRUCTION TO AT LEAST ITS PRE-CONSTRUCTION CONDITION.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL MAINTAIN WATER AND SEWER SERVICES TO ALL PROPERTIES THROUGHOUT CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ON THE PROJECT. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE COUNTY'S ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE ENGINEER.
- EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS. DRAINAGE STRUCTURES AND MES SECTION TO BE CONSTRUCTION AS PER APPLICABLE STANDARD INDEXES UNLESS OTHERWISE SHOWN IN THE PLANS.
- 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 ENGINEER.
- ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE COUNTY PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES, INCLUDING TROPICAL SODA APPLE SHALL BE REJECTED FOR USE ON THE PROJECT. THE CONTRACTOR SHALL FURNISH TO THE ENGINEER, 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 FROM NOXIOUS WEEDS, INCLUDING TROPICAL SODA APPLE.



BASKERVILLE-DONOVAN, INC.
 Innovative Infrastructure Solutions
 305 JOHN KNOX ROAD, BLDG. 200
 TALLAHASSEE, FLORIDA 32303 (850) 856-1212
 ENGINEERING BUSINESS EB000040

**APALACHEE REGIONAL PARK
 MEDIAN OPENING RELOCATION
 & ACCESS DESIGN**

NO.	DATE	APPR.	REVISION/ACTION TAKEN

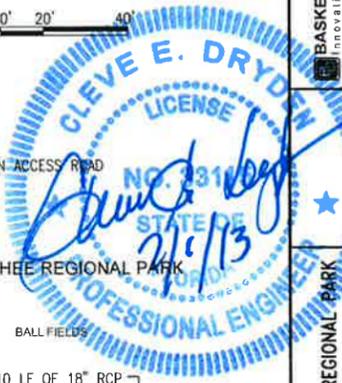
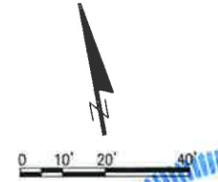
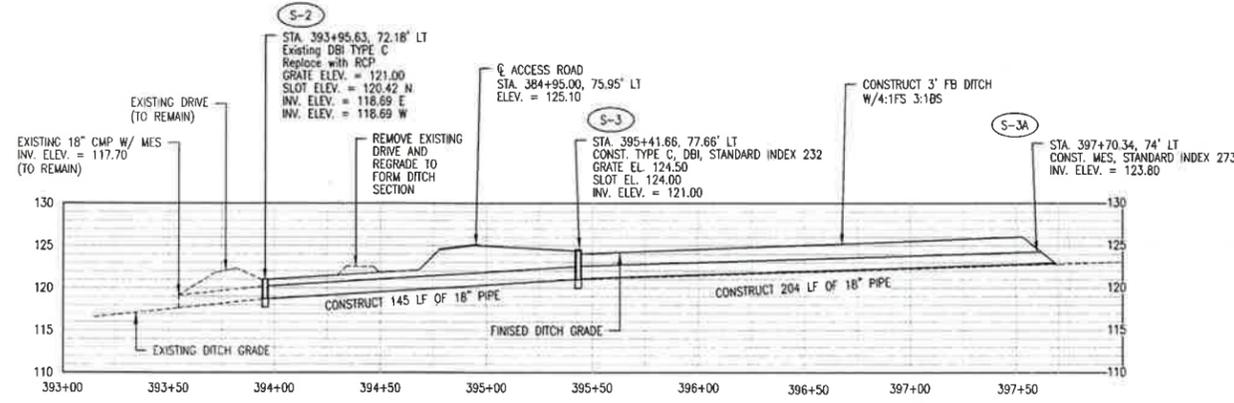
PROJECT NO: 50923.01
 DESIGNED BY: DEL
 DRAWN BY: WJ
 CHK'D BY: CED
 PROJ. MGR: CED
 DATE: JUNE 2013

This drawing is the property of BASKERVILLE-DONOVAN, INC. and in part it is not to be used on any other project and is to be returned upon request.

NOT RELEASED FOR CONSTRUCTION BY DATE

GENERAL NOTES

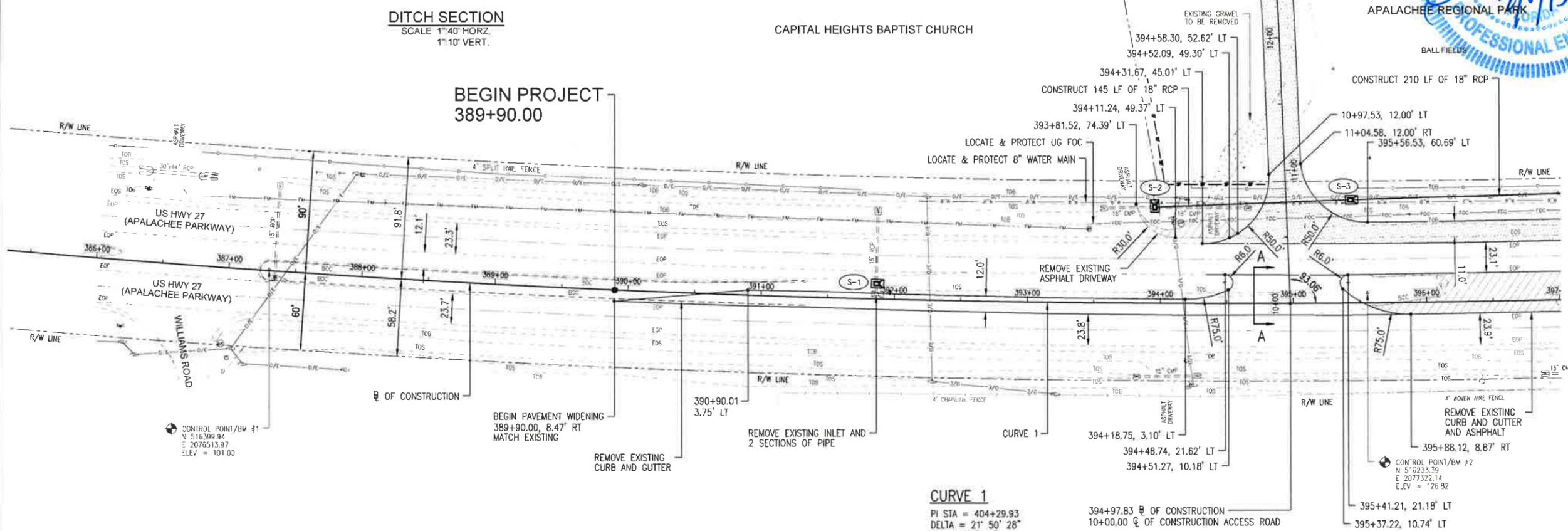
J:\50923\50923.02 Apalachee Parkway Median & Access Road Improvements\DWG\Revised Drawings From Mobile\Sh. 5 - Sht. 6 - Roadway Plan.dwg, Jul 01, 2013 - 11:29:57AM, cdryden



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
325 JOHN INCK ROAD, B. DG. 200
TALAHASSEE, FLORIDA 32303 (850)696-1272
ENGINEERING BUSINESS: EB0000040

CLEVE E. DRYDEN, PE
FL PE NO. 33115

APALACHEE REGIONAL PARK
MEDIAN OPENING RELOCATION
& ACCESS DESIGN



CURVE 1
PI STA = 404+29.93
DELTA = 21° 50' 28"
D = 0' 30' 51"
T = 2150.15
L = 4248.10'
R = 11144.01
PC STA = 382+79.78
PT STA = 425+27.88
E = MATCH EXISTING

- S-1**
CONST. DBI TYPE C W/ TRAV. SLOTS
FDOT INDEX NO. 232
STA. 391+86.39, 11.52' LT
GRATE ELEV. = 116.80
SLOT ELEV. = 116.22
INV. ELEV. = 113.43 N
INV. ELEV. = 113.43 W
- S-2**
Existing DBI TYPE C
Modify Opening for 18" RCP
STA. 393+95.63, 72.18' LT
GRATE ELEV. = 121.00
SLOT ELEV. = 120.42 N
INV. ELEV. = 118.69 E
INV. ELEV. = 118.69 W
- S-3**
CONST. DBI TYPE C W/ TRAV. SLOTS
FDOT INDEX NO. 232
STA. 395+41.66, 77.66' LT
GRATE ELEV. = 124.50
SLOT ELEV. = 124.00
INV. ELEV. = 121.00 E
INV. ELEV. = 121.00 W

- NEW ASPHALT PAVEMENT
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING GRAVEL TO BE REMOVED

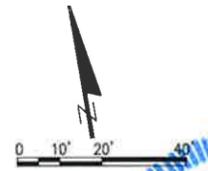
NO.	DATE	APPR.	REVISION/ACTION TAKEN

PROJECT NO. 50923.01	DESIGNED BY: DEL	DATE: JUNE 2013
DRAWN BY: JJ	CHK'D BY: CED	BY: DATE
PROJ. MGR: CED		

ROADWAY PLAN

J:\509\50923.02 Apalachee Parkway Median & Access Road Improvements\DWG\Revised Drawings From Mobile\Shi_5 - S-1 6 - Roadway Plan.dwg, Jul 01, 2013 - 2:28:46PM, cdy/wh

-  NEW ASPHALT PAVEMENT
-  EXISTING PAVEMENT TO BE REMOVED
-  EXISTING GRAVEL TO BE REMOVED



BASKERVILLE-DONOVAN, INC.
 Innovative Infrastructure Solutions
 395 JOHN KNOX ROAD BLDG. 200
 TALLAHASSEE, FLORIDA 32303 (850) 856-1212
 ENGINEERING BUSINESS EB-0000340

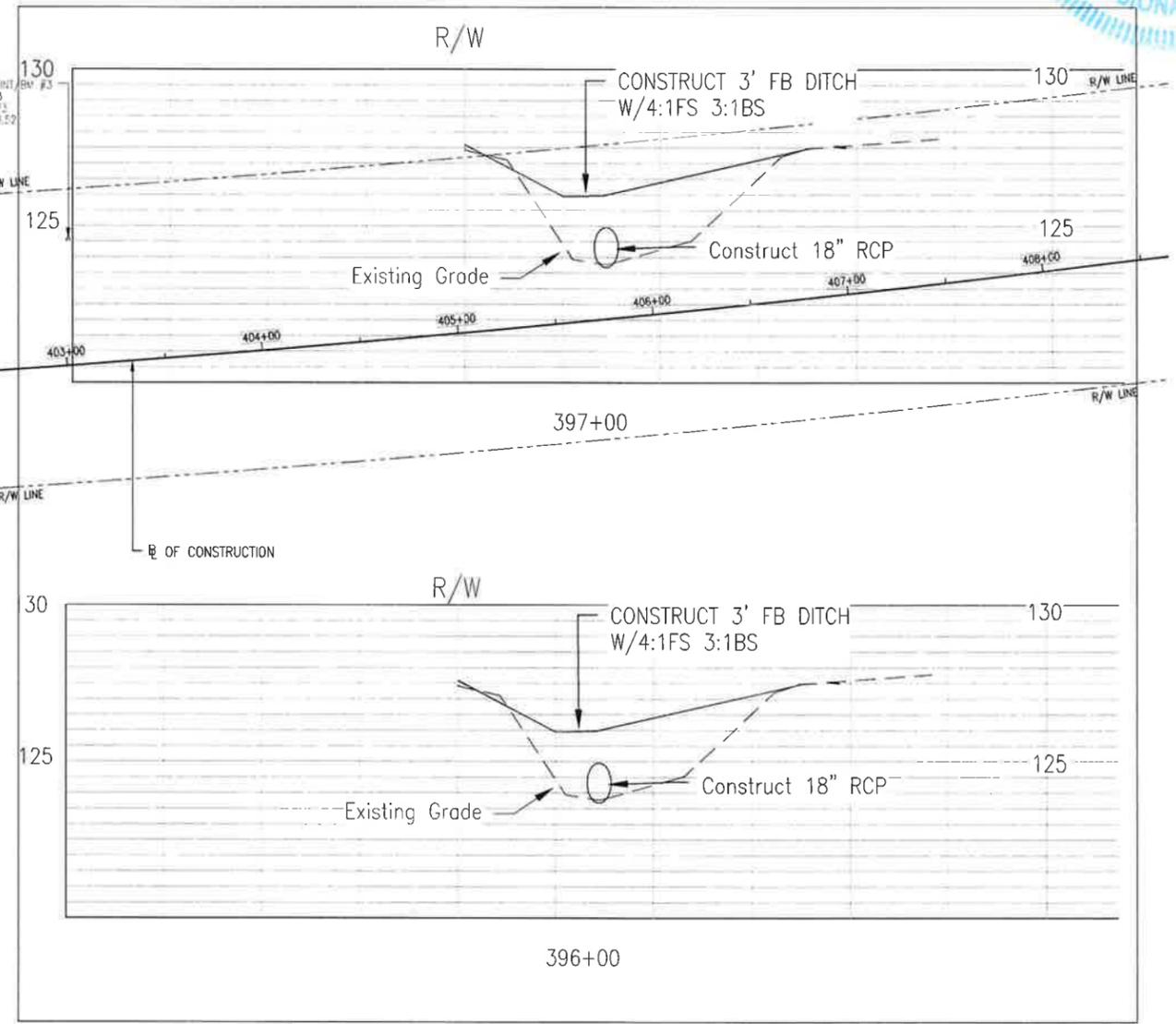
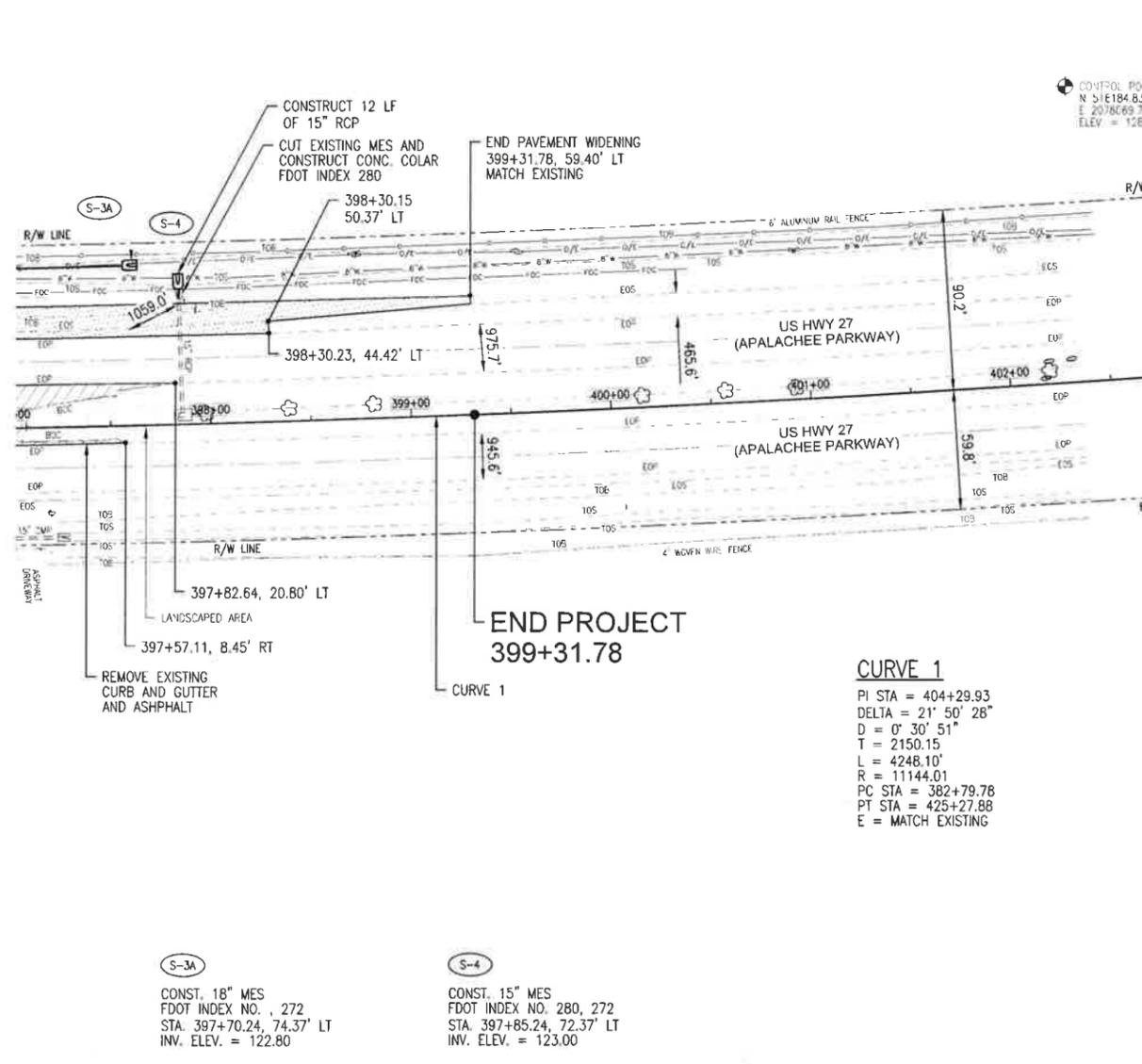
APALACHEE REGIONAL PARK
MEDIAN OPENING RELOCATION
& ACCESS DESIGN

NO.	DATE	APPR.	REVISION/ACTION TAKEN

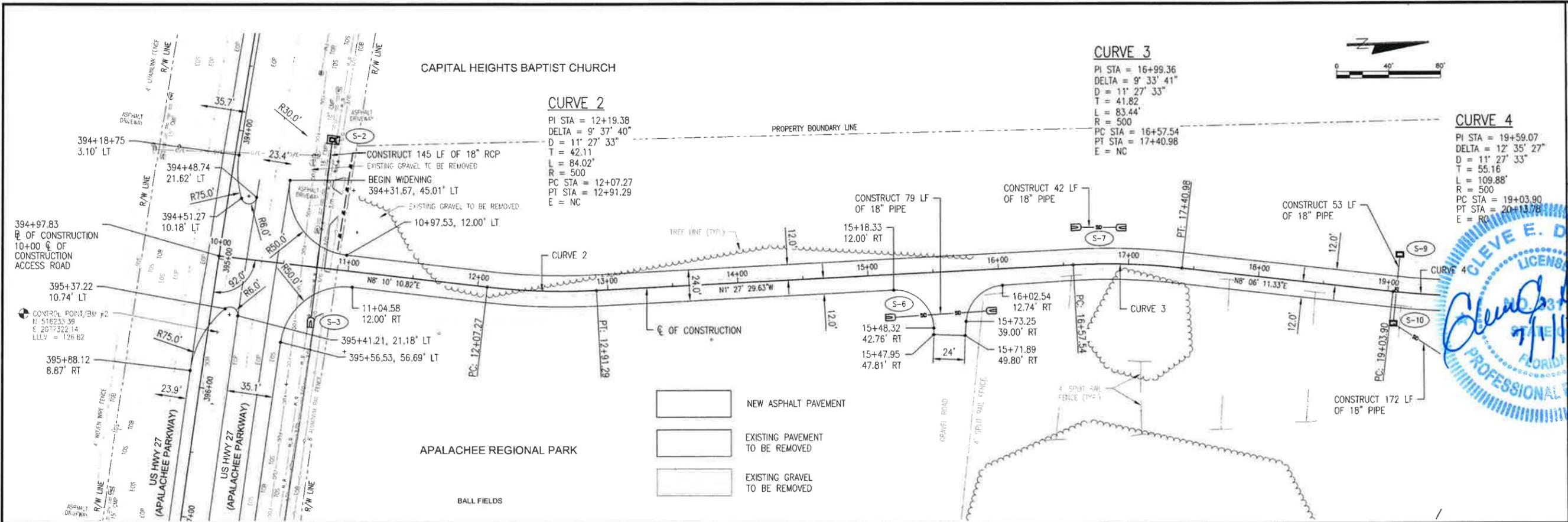
PROJECT NO:	50923.01	DESIGNED BY:	DEL
DRAWN BY:	JJ	CHECKED BY:	CEB
PROJ. MGR.:	CEB	DATE:	JUNE 2013

ROADWAY PLAN

6

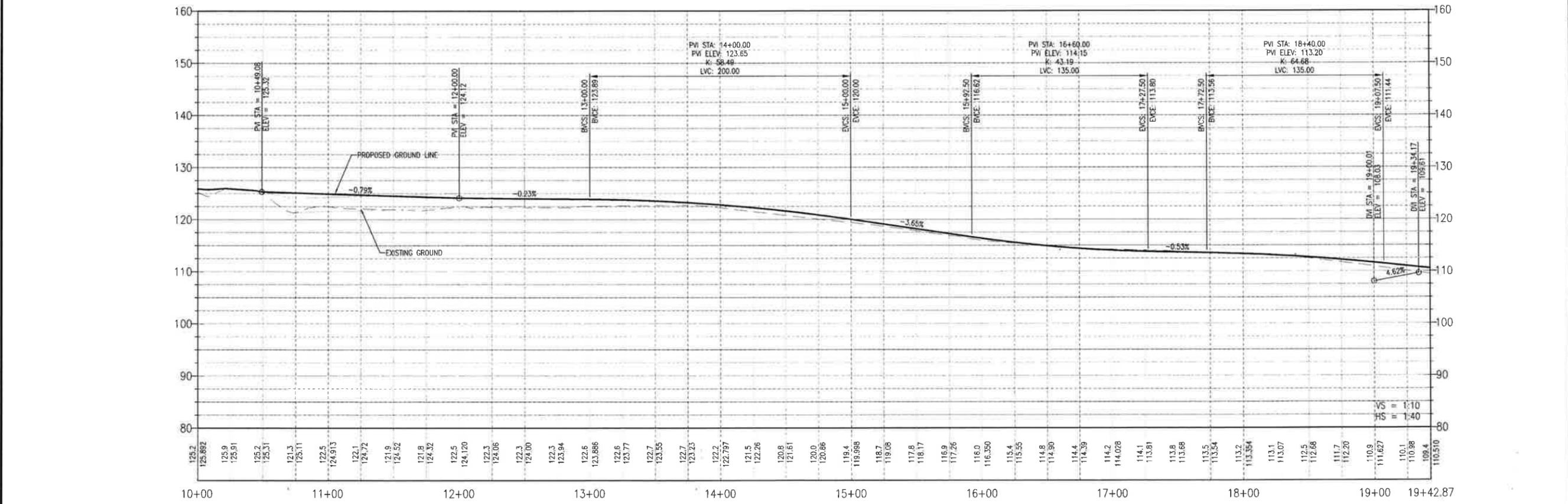


This drawing is the property of Baskerville-Donovan, Inc. and is not to be reproduced in whole or in part. It is not to be used on any other project unless it is authorized upon receipt.



BASKERVILLE-DONOVAN, INC.
 Innovative Infrastructure Solutions
 305 04th KNOX ROAD, BLDG. 200
 TALLAHASSEE, FLORIDA 32303 (850)686-1212
 ENGINEERING BUSINESS EB 000040

CLEVE E. DRYDEN
 APALACHEE REGIONAL PARK
 MEDIAN OPENING-RELOCATION
 & ACCESS DESIGN
 PROFESSIONAL ENGINEER
 LICENSE NO. 33115
 STATE OF FLORIDA
 DATE: 7/1/13

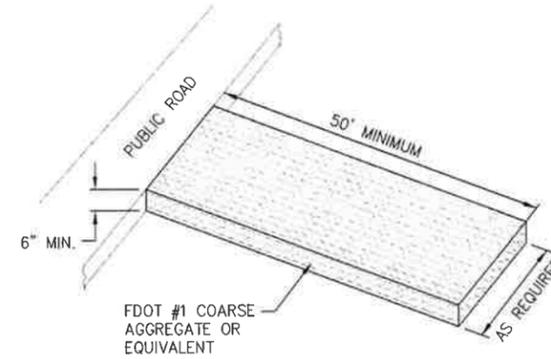


PROJECT NO.	DESIGNED BY	CHKD BY	PROJ MGR	DATE	NO.	DATE	APPR.	REVISION/ACTION	TAKEN
50923.01	DEL	DEL	DEL	JUNE 2013					
This drawing is the property of Baskerville-Donovan, Inc. and shall not be used in any other project and is to be returned upon request.									
NOT RELEASED FOR CONSTRUCTION									

i:\509\50923.02 - Apalachee Parkway and Access Road\Sh1 26 - Erosion & Sediment Control Notes.dwg, Jun 04, 2013 - 6:47:04PM, jjohnson

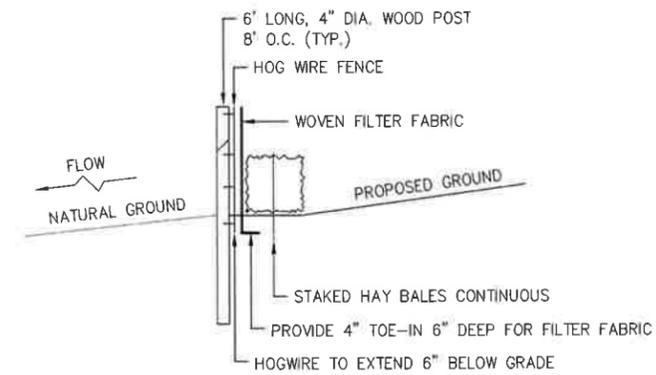
ENVIRONMENTAL CONSTRUCTION NOTES:

1. ALL WORK UNDERTAKEN SHALL CONFORM TO THE METHODS AND REQUIREMENTS OF THE ENVIRONMENTAL PERMIT.
2. A WRITTEN NOTICE OF INTENT TO PROCEED MUST BE FILED WITH LEON COUNTY GROWTH MANAGEMENT DEPARTMENT AT LEAST 24 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
3. SILT FENCES SHALL BE INSTALLED AS DETAILED BY THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (E&SC MANUAL), AT LOCATIONS SHOWN IN THE PLANS, AND OTHER LOCATIONS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. ALL SILT FENCES SHALL BE SUPPORTED WITH BALES OF HAY AND HOG WIRE AND SHALL BE PLACED AT THE TOE OF PROPOSED SLOPE AS SHOWN IN PLANS.
4. DURING INSTALLATION, INLET STRUCTURES SHALL BE PROTECTED IN ACCORDANCE WITH THE INLET PROTECTION, FRAME AND FILTER BARRIER FOR AREA DRAINS OF THE E&SC MANUAL. BALED HAY OR STRAW SHALL BE INSTALLED DOWNSTREAM OF ALL MITERED END SECTIONS.
5. HEAVY DUTY SILT BARRIERS AS DETAILED SHALL BE USED TO WITHSTAND THE VELOCITY OF WATER IN BOTH EXISTING AND PROPOSED DITCHES IN ORDER TO MINIMIZE EROSION AND MINIMIZE SEDIMENT LEAVING THE CONSTRUCTION SITE. THE HEAVY DUTY SILT BARRIERS SHOULD BE PLACED DOWNSTREAM OF THE DISTURBED AREAS AS SHOWN IN THE PLANS, AND AT OTHER LOCATIONS AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. ALL TRAPPED SEDIMENT AND SEDIMENTS LEAVING THE SITE SHALL BE CLEANED UP DAILY AFTER A RAINSTORM EVENT.
6. DURING CONSTRUCTION THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES AT ANY LOCATIONS WHERE UNTREATED RUNOFF LEAVES THE LIMITS OF CONSTRUCTION. ADDITIONAL SEDIMENT AND EROSION CONTROL MAY BE REQUIRED AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR, SPECIFICALLY IN THE EXISTING DITCHES.
7. A NOTICE OF COMPLETION AND REQUEST FOR FINAL INSPECTION MUST BE FILED WITH THE GROWTH MANAGEMENT DEPARTMENT UPON COMPLETION OF THE PROJECT TO START THE PROCEDURES FOR COMPLIANCE WITH SECTION 10-363 OF THE LEON COUNTY LAND DEVELOPMENT CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AS-BUILT RECORD DRAWINGS SIGNED AND SEALED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR.
8. FOR FURTHER ENVIRONMENTAL PROTECTION REQUIREMENTS, SEE THE TECHNICAL SPECIFICATIONS.



STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

- *DIG A 6"x6" TRENCH AT THE DESIRED BARRIER LOCATION.
- *INSTALL POSTS 8' O.C. ON DOWNHILL SIDE OF TRENCH.
- *STAPLE HOGWIRE TO POSTS, EXTENDING FROM TOP OF POSTS TO BOTTOM OF TRENCH
- *FOLD TOP 2" OF FABRIC OVER TOP OF FENCE AND STAPLE IN PLACE. LAY FABRIC INTO BOTTOM OF TRENCH AND BACKFILL.
- *STAKE HAY BALES CONTINUOUS ALONG UPHILL SIDE OF BARRIER.
- *FILTER FABRIC SHALL BE MIRAFI 100X OR AN ENGINEER APPROVED EQUAL.



HEAVY DUTY SILT BARRIER
N.T.S.



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
325 CHH KNOX ROAD, BLDG. 200
TALLAHASSEE, FLORIDA 32303 (850)556-1272
ENGINEERING BUSINESS: EB-0000340

CLEVE E. DRYDEN, PE
FL. PE. NO. 33115

**APALACHEE REGIONAL PARK
MEDIAN OPENING RELOCATION
& ACCESS DESIGN**

NO.	DATE	APPR.	REVISION/ACTION TAKEN

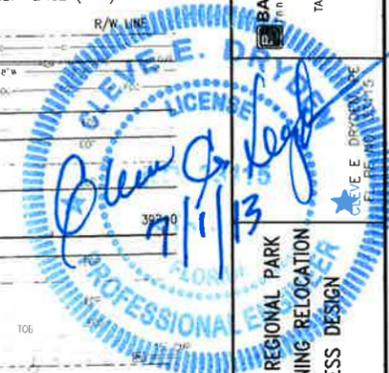
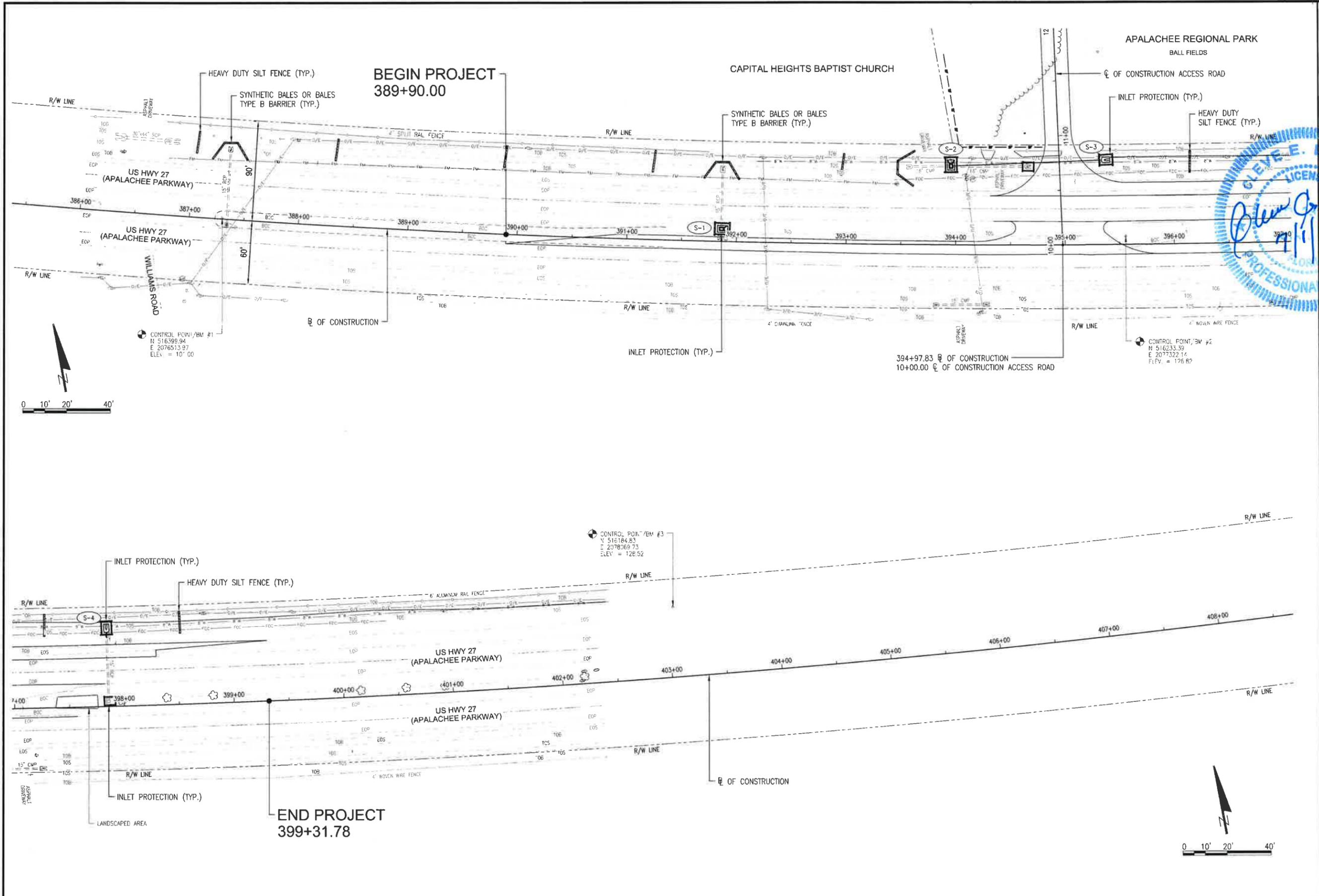
This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced or used on any other project and is to be returned upon request.

NOT RELEASED FOR CONSTRUCTION

PROJECT NO: 50923.01
DESIGNED BY: DEL
DRAWN BY: JJ
CHK'D BY: CED
PROJ. MGR: CED
DATE: JUNE 2013

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

I:\50923.02 - Apalachee Parkway and Access Road\Sht. 27 - Erosion & Sediment Control Plcn.dwg, Jun 06, 2013 - 8:31:10PM, jjohnson



BASKERVILLE-DONOVAN, INC.
 Innovative Infrastructure Solutions
 325 JOHN KNOX ROAD, BLDG. 200
 TALLAHASSEE, FLORIDA 32303 (850)586-1212
 ENGINEERING BUSINESS EB 0000440

GLENN E. DONOVAN
 LICENSE NO. 11113
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA

**APALACHEE REGIONAL PARK
 MEDIAN OPENING RELOCATION
 & ACCESS DESIGN**

NO.	DATE	APPR.	REVISION/ACTION TAKEN

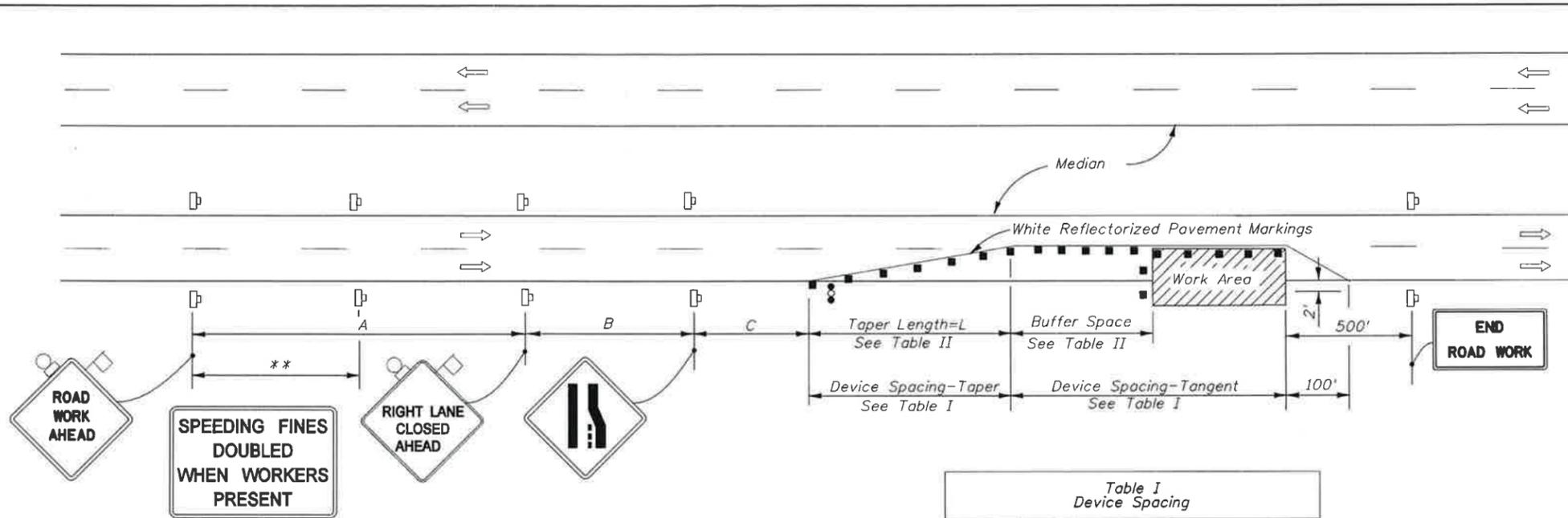
PROJECT NO: 50923.01
 DESIGNED BY: DEL
 DRAWN BY: JJ
 CHK'D BY: CED
 PROJ. MGR: CED
 DATE: JUNE 2013

This drawing is the property of BASKERVILLE-DONOVAN, INC. and in part it is not to be used on any other project and is to be returned upon request.

NOT RELEASED FOR CONSTRUCTION

EROSION AND SEDIMENT CONTROL

27



DISTANCE BETWEEN SIGNS			
Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350
50 mph	500	500	500
*55 mph or greater	2640	1640	1000

- * The ROAD WORK 1 MILE sign may be used as an alternate to the ROAD WORK AHEAD sign and the RIGHT LANE CLOSED 1/2 MILE sign may be used as an alternate to the RIGHT LANE CLOSED AHEAD sign.
- ** 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

- SYMBOLS**
- Work Area
 - Sign With 18"x 18" (Min.) Orange Flag And Type B Light
 - Channelizing Device (See Index No. 600)
 - Work Zone Sign
 - Advance Warning Arrow Panel
 - Lane Identification + Direction of Traffic

Table I Device Spacing				
Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

GENERAL NOTES

1. Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
2. On undivided highways the median signs as shown are to be omitted.
3. When work is performed in the median lane on divided highways, the channelizing device plan is inverted and left lane closed and lane ends signs substituted for the right lane closed and lane end signs.

The same applies to undivided highways with the following exceptions:
(a) Work shall be confined within one median lane.
(b) Additional barricades, cones, or drums shall be placed along the centerline abutting the work area and across the trailing end of the work area.

When work on undivided highways occurs across the centerline so as to encroach on both median lanes, the inverted plan is applied to the approach of both roadways.
4. Signs and traffic control devices are to be modified in accordance with INTERMITTENT WORK STOPPAGE details (sheet 2 of 2) when no work is being performed and the highway is open to traffic.
5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. When paved shoulders having a width of 8 ft. or more are closed, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the travelway. See Index No. 612 for shoulder taper formulas.
7. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
8. This TCZ plan does not apply when work is being performed in the middle lane(s) of a six or more lane highway. See Index No. 614.
9. For general TCZ requirements and additional information, refer to Index No. 600.

DURATION NOTES

1. Temporary white edgeline may be omitted for work operations less than 3 days.
2. Signs, arrow panel and buffer space may be omitted if all of the following conditions are met:
 - a) Work operations are 60 minutes or less.
 - b) Speed limit is 45 mph or less.
 - c) No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
 - d) Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
 - e) Volume and complexity of the roadway has been considered.

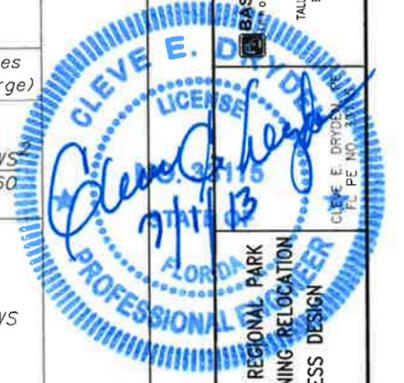
CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH ON THE LANE ADJACENT TO EITHER SHOULDER AND THE AREA 2' OUTSIDE THE EDGE OF TRAVEL WAY.

Table II Buffer Space and Taper Length			
Speed (mph)	Buffer Space	Taper Length (12' Lateral Transition)	
	Dist. (ft.)	L (ft.)	Notes (Merge)
25	155	125	L = WS S = 60
30	200	180	
35	250	245	
40	305	320	
45	360	540	L = WS
50	425	600	
55	495	660	
60	570	720	
65	645	780	
70	730	840	

When Buffer Space cannot be attained due to geometric constraints, the greatest attainable length shall be used, but not less than 200 ft.

For lateral transitions other than 12', use formula for L shown in the notes column. Where:
L = Length of taper in feet
W = Width of lateral transition in feet
S = Posted speed limit (mph)



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
305 JOHN KNOX ROAD, BLDG 200
TALLAHASSEE, FLORIDA 32303 (850)656-1212
ENGINEERING BUSINESS EB-000040

**APALACHEE REGIONAL PARK
MEDIAN OPENING RELOCATION
& ACCESS DESIGN**

NO.	DATE	APPR.	REVISION/ACTION TAKEN

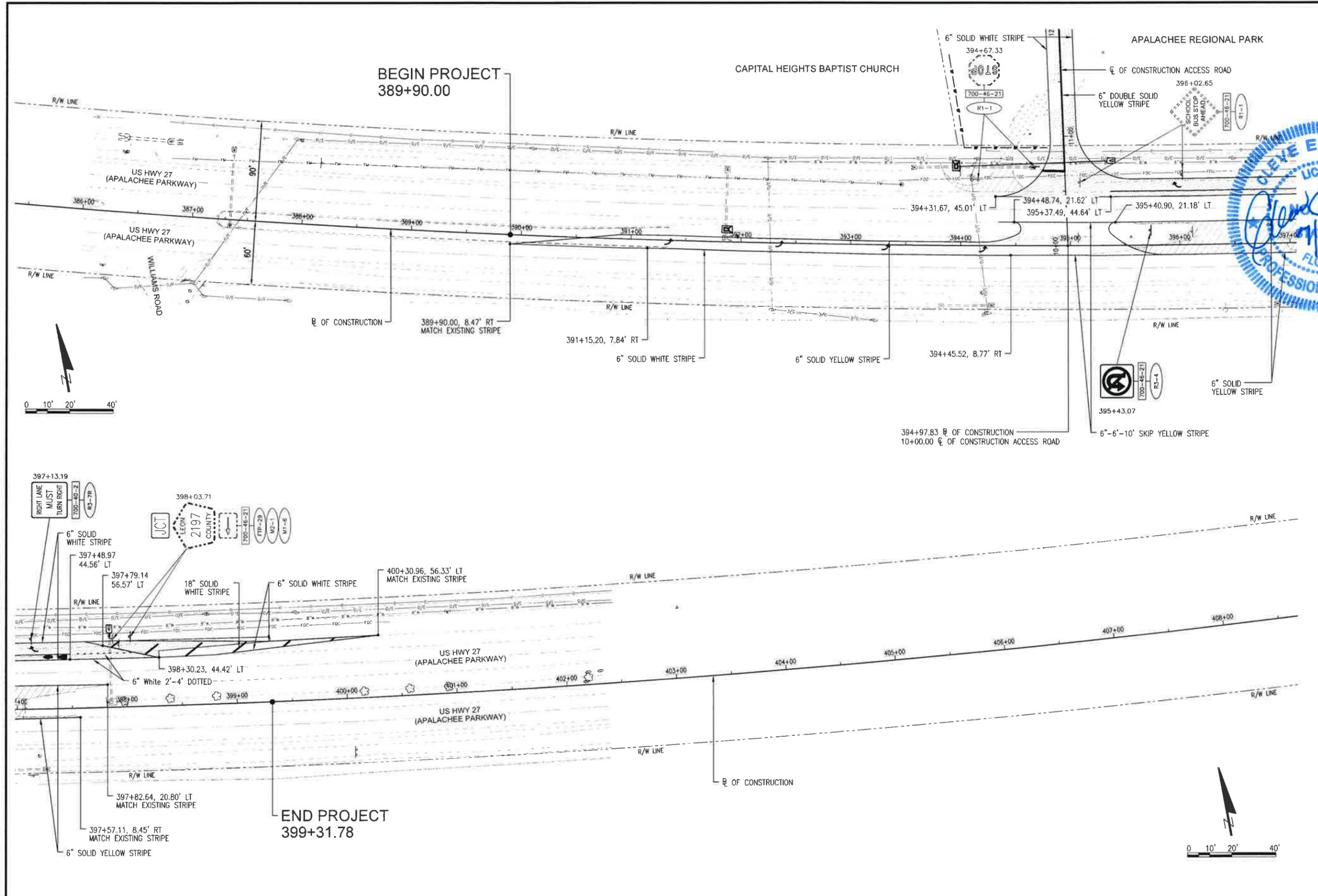
PROJECT NO: 50923.01
DESIGNED BY: DEL
DRAWN BY: JU
CHK'D BY: CED
PROJ. MGR: CED
DATE: JUNE 2013

TRAFFIC CONTROL PLAN

**MULTILANE, WORK WITHIN THE TRAVEL WAY
MEDIAN OR OUTSIDE LANE**

Last Revision	Sheet No.
07/01/09	1 of 2
Index No. 613	

J:\509\50923.02 Apalachee Parkway Median & Access Road Improvements\DWG\Revised Drawings From Mobile\511_31 - Signing & Pavement Marking Plan.dwg, Jun 12, 2013 - 10:48:21AM, cdyden



<p>BASKERVILLE-DONOVAN, INC. Innovative Infrastructure Solutions 375 JOHN KNOX ROAD BLDG 200 TALLAHASSEE, FLORIDA 32303 (850)955-2122 ENGINEERING BUSINESS BB-000040</p>	
<p>APALACHEE REGIONAL PARK MEDIAN OPENING RELOCATION & ACCESS DESIGN</p>	
PROJECT NO:	50923.01
DESIGNED BY:	DEL
DRAWN BY:	JJ
CHK'D BY:	GED
PROJ. MGR:	GED
DATE:	JUNE 2013
REVISION/ACTION TAKEN	
NO.	
DATE	
APPR.	
BY	
DATE	

SIGNING & PAVEMENT MARKING