

COMPONENTS OF CONTRACT PLANS SET

SIGNALIZATION PLANS
STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION

1	KEY SHEET
2-2A	SUMMARY OF PAY ITEMS (ROADWAY)
3-4	TYPICAL SECTIONS
4A-4B	AS-BUILT DATA
5-7	TYPICAL SECTION DETAILS
8-9	GENERAL NOTES
10-10A	SUMMARY OF QUANTITIES
11-13	TABULATION OF QUANTITIES
14	SUMMARY OF DRAINAGE STRUCTURES
15	SUMMARY OF SIDE STREETS
16	SUMMARY OF SIGNALIZED SIDESTREETS
17	CURB CUT RAMP SUMMARY AND CONSTRUCTION DETAILS
18-44	PLAN SHEETS
45	GUIDE SIGN WORKSHEET
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46A-46B	STORMWATER POLLUTION PREVENTION PLAN
47	TURN LANES (INTERIM INDEX 0301)
48-52	PUBLIC SIDEWALK CURB RAMPS (INTERIM INDEX 0304)
53-54	CONCRETE SIDEWALK (INTERIM INDEX 0310)
55-57	TRAFFIC CONTROL PLAN

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FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2002,
AND STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS:

Roadway Sheet 8 (Revised 2-12-04)
Roadway Sheets 2, 8 (Revised 3-22-04)
Roadway Sheets 55, 56, 57 (Added 2-3-05)
Roadway Sheets 46 (Revised 3-30-05)
Roadway Sheets 46 & 46a (Revised & Added 7/1/05)
Roadway Sheet 46 & 46a (Revised 7/28/05)

*COMP BOOK:
NUMBER

Comp. Book 1

Signalization Sheets T-2, T-4, T-10 (Revised 3-30-05)
Signalization Sheets T-3, T-4, T-18 (Revised 3-30-05)
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Signalization Sheets T-3 & T-4 (Revised 3-1-06)

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

FINAL "AS-BUILT" PLANS

FINANCIAL PROJECT ID 411777-1-52-01

VOLUSIA COUNTY (79030)

STATE ROAD NO. 5

DESCRIPTION

Final Measurement
Final Measurement
Final Measurement
Final Measurement
Final Measurement

T 13 S

T 14 S

T 14 S

T 15 S

END BRIDGE

STA. 144+54.35

BEGIN BRIDGE

STA. 144+11.05

BEGIN PROJECT

STA. 8+54.00

MP= 0.083

DESCRIPTION

Primary Computation Book

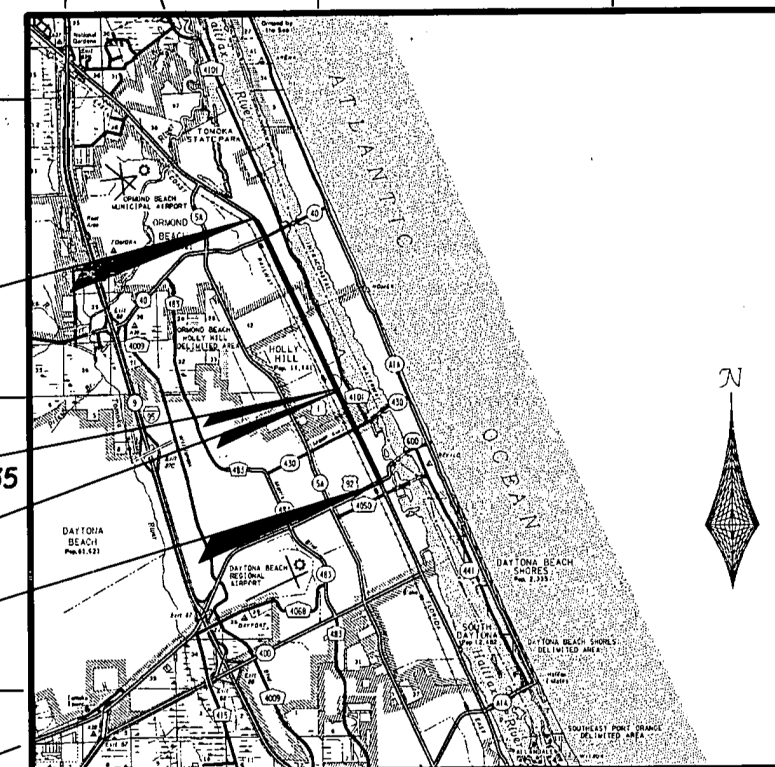
TO
ST. AUGUSTINE

R 32 E

R 33 E

R 33 E

R 34 E



TO
ORLANDO

TO
TITUSVILLE

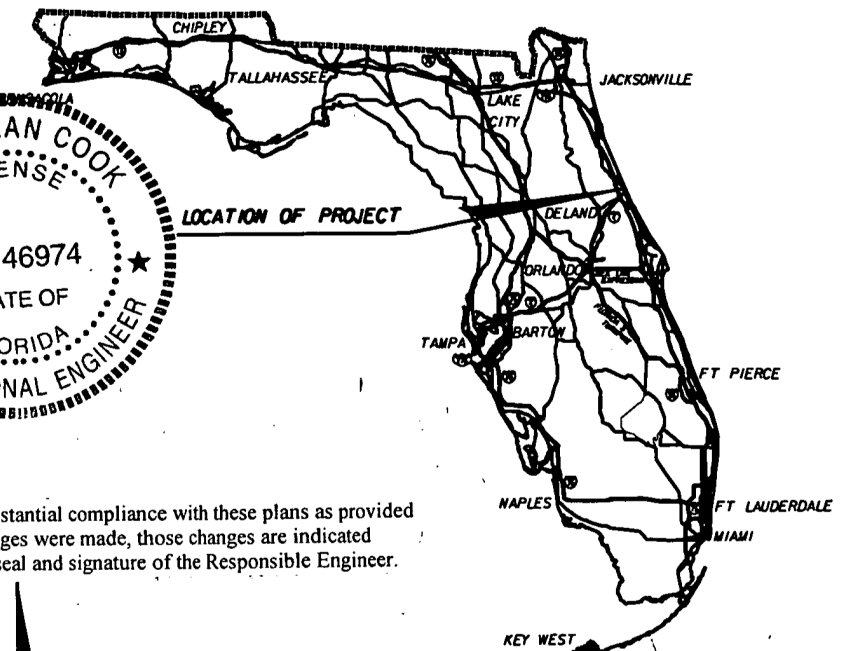
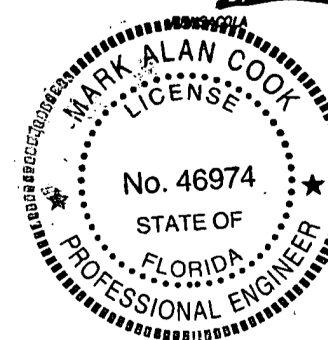
TO
NEW SMYRNA
BEACH

PROJECT LENGTH IS BASED ON E CONSTRUCTION

LENGTH OF PROJECT

	LINEAR FEET	MILES
ROADWAY	30840.93	5.841
BRIDGES	43.30	0.008
NET LENGTH OF PROJECT	30797.63	5.833
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	30840.93	5.841

FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



This project was constructed in substantial compliance with these plans as provided
by the Engineer of Record. If changes were made, those changes are indicated
by black ink revision and bear the seal and signature of the Responsible Engineer.

T 13 S

T 14 S

T 14 S

T 15 S

T 15 S

T 16 S



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

COLETTE MOSS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803

PLANS PREPARED BY:

ENGINEER OF RECORD:



ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS

DYER, RIDDLE, MILLS & PRECOURT, INC.

1505 E. COLONIAL DRIVE

ORLANDO, FLORIDA 32803

(407) 896-0594 CERTIFICATE OF AUTHORIZATION NO. 2648

VENDOR NO. VF59179174001

CONTRACT NO. C-8445

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

CONTRACTOR: P and S Paving, Inc.
CONSULTANT CEI: Jacobs Civil Inc.
DISTRICT SECRETARY: George Gilhooley, P.E.
RESIDENT ENGINEER: Michael B. Ruland, P.E.
PROJECT MANAGER: Tim Grimm
DESIGN PROJECT MANAGER: Dianne Miller
CEI SENIOR PROJECT ENGINEER: Mark A. Cook, P.E.
CEI PROJECT ENGINEER: Steve L. Altman, P.E.
PROJECT START DATE: October 4, 2004
PROJECT END DATE: February 22, 2006

THIS PROJECT TO BE LET TO CONTRACT WITH
FINANCIAL PROJECT IDENTIFICATION NO. 411777-1-56-01

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION
2/3/5	CM	ADDED PAGE #S

ROADWAY PLANS
ENGINEER OF RECORD: COLETTE MOSS

P.E. NO. 48263

FISCAL YEAR	SHEET NO.
04	1

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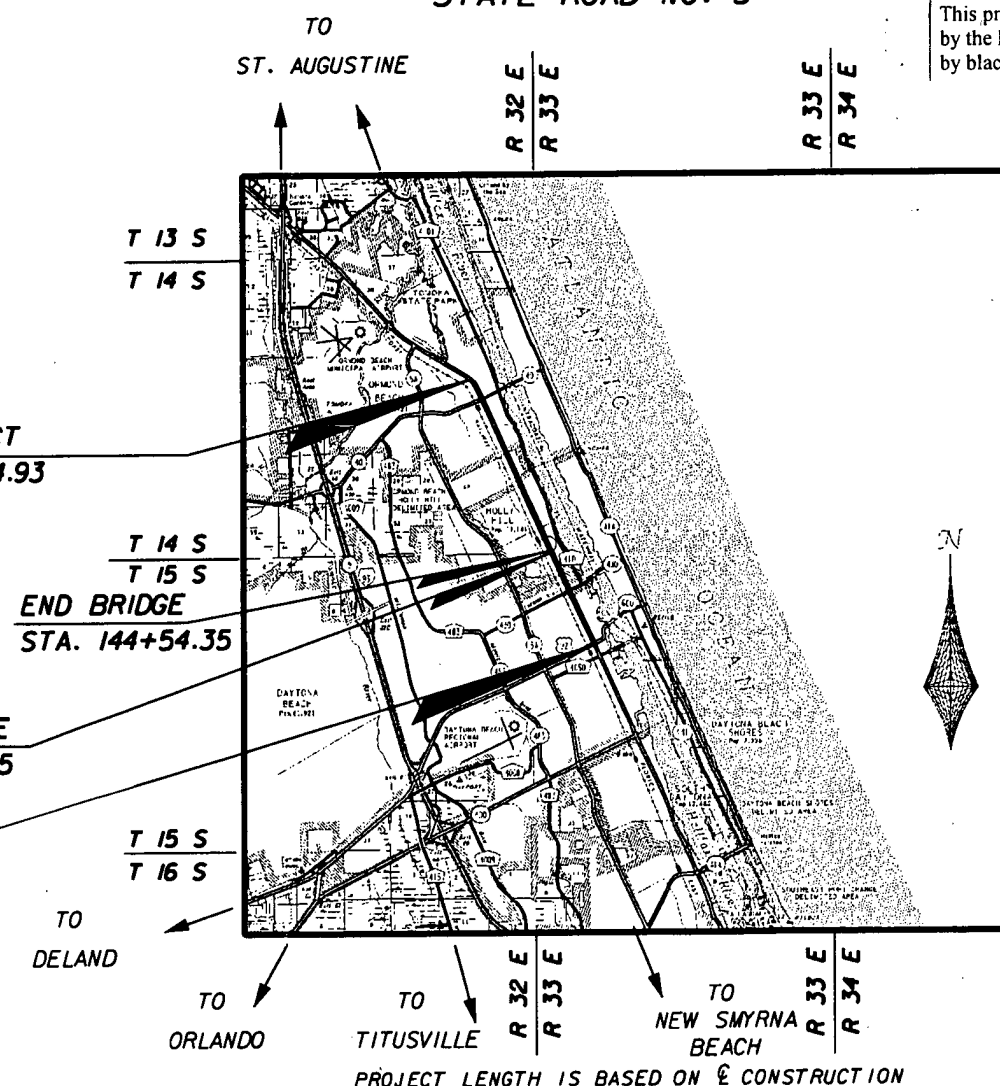
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

FINAL "AS-BUILT" PLANS

FINANCIAL PROJECT ID 411777-1-52-01

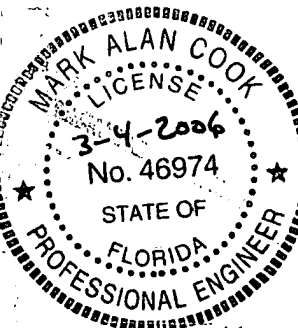
VOLUSIA COUNTY (79030)
STATE ROAD NO. 5



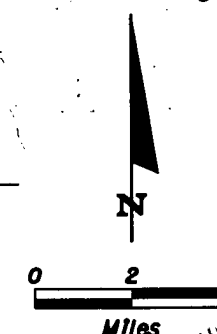
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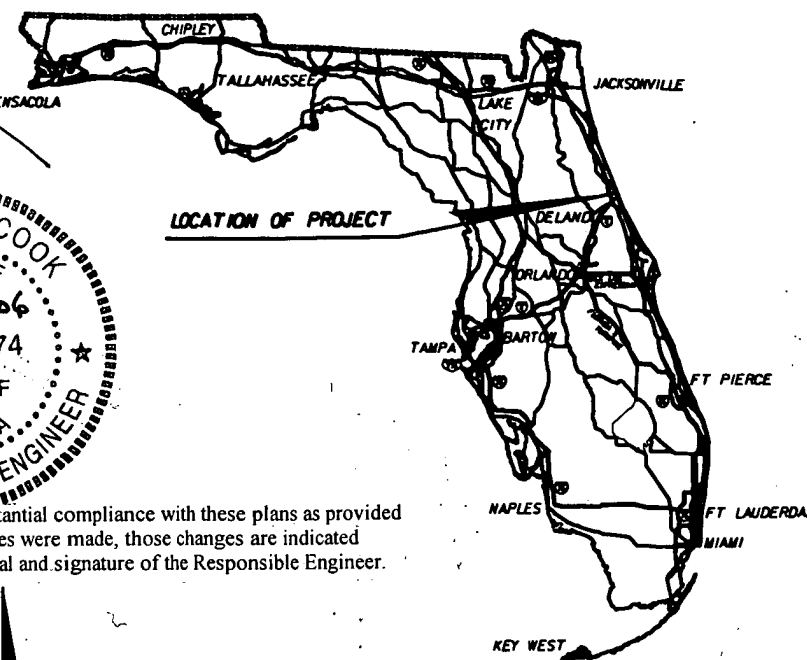
FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



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LOCATION OF PROJECT



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

COLETTE MOSS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803

PLANS PREPARED BY:
ENGINEER OF RECORD:

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
CERTIFICATE OF AUTHORIZATION NO. 2648
VENDOR NO. VF591791174001
CONTRACT NO. C-8445

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CONSULTANT CEI: Jacobs Civil Inc.
DISTRICT SECRETARY: George Gilhooley, P.E.
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PROJECT MANAGER: Tim Grimm
DESIGN PROJECT MANAGER: Dianne Miller
CEI SENIOR PROJECT ENGINEER: Mark A. Cook, P.E.
CEI PROJECT ENGINEER: Steve L. Altman, P.E.
PROJECT START DATE: October 4, 2004
PROJECT END DATE: February 22, 2006

ROADWAY PLANS
ENGINEER OF RECORD: COLETTE MOSS

P.E. NO. 48263

FISCAL YEAR	SHEET NO.
04	1

SIGNALIZATION PLANS
STRUCTURE PLANS

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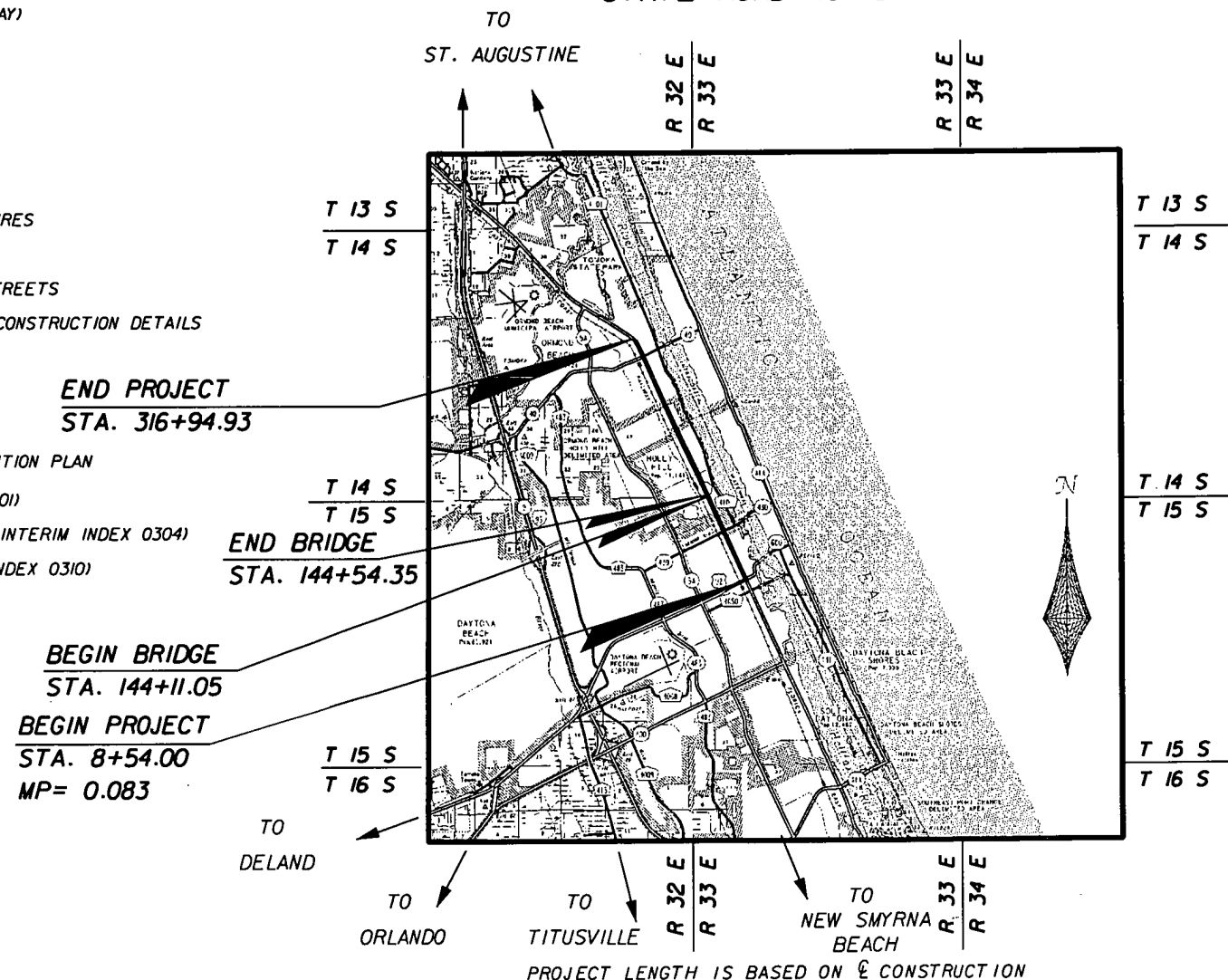
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 411777-1-52-01

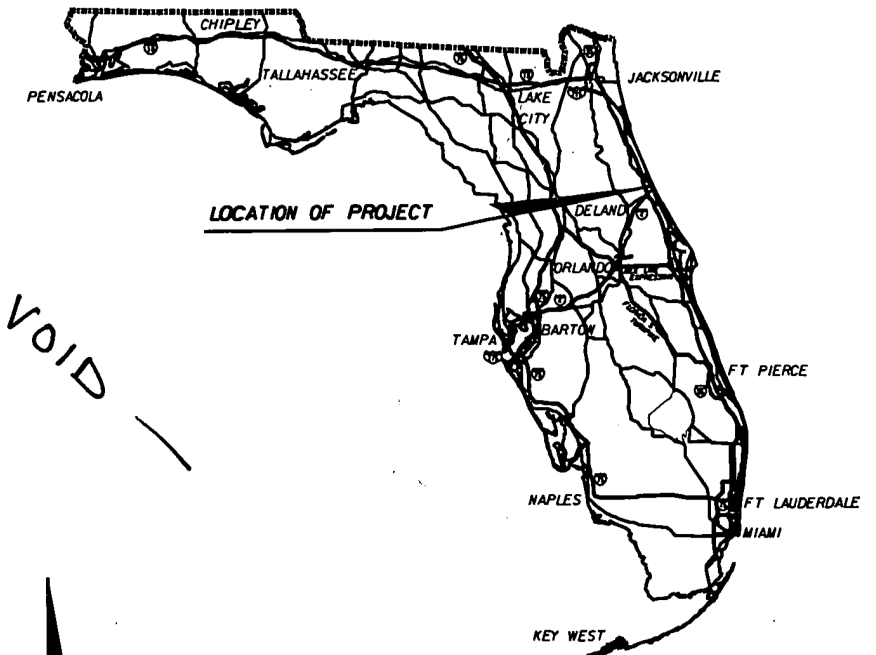
VOLUSIA COUNTY (79030)

STATE ROAD NO. 5



LENGTH OF PROJECT		
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BRIDGES	43.30	0.008
NET LENGTH OF PROJECT	30797.63	5.833
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FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



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TO BE SUBMITTED TO:

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(407) 896-0594 CERTIFICATE OF AUTHORIZATION NO. 2648

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ROADWAY PLANS
ENGINEER OF RECORD:

COLETTE MOSS

P.S. NO.:

41

11

1

SHEET
NO

No.	

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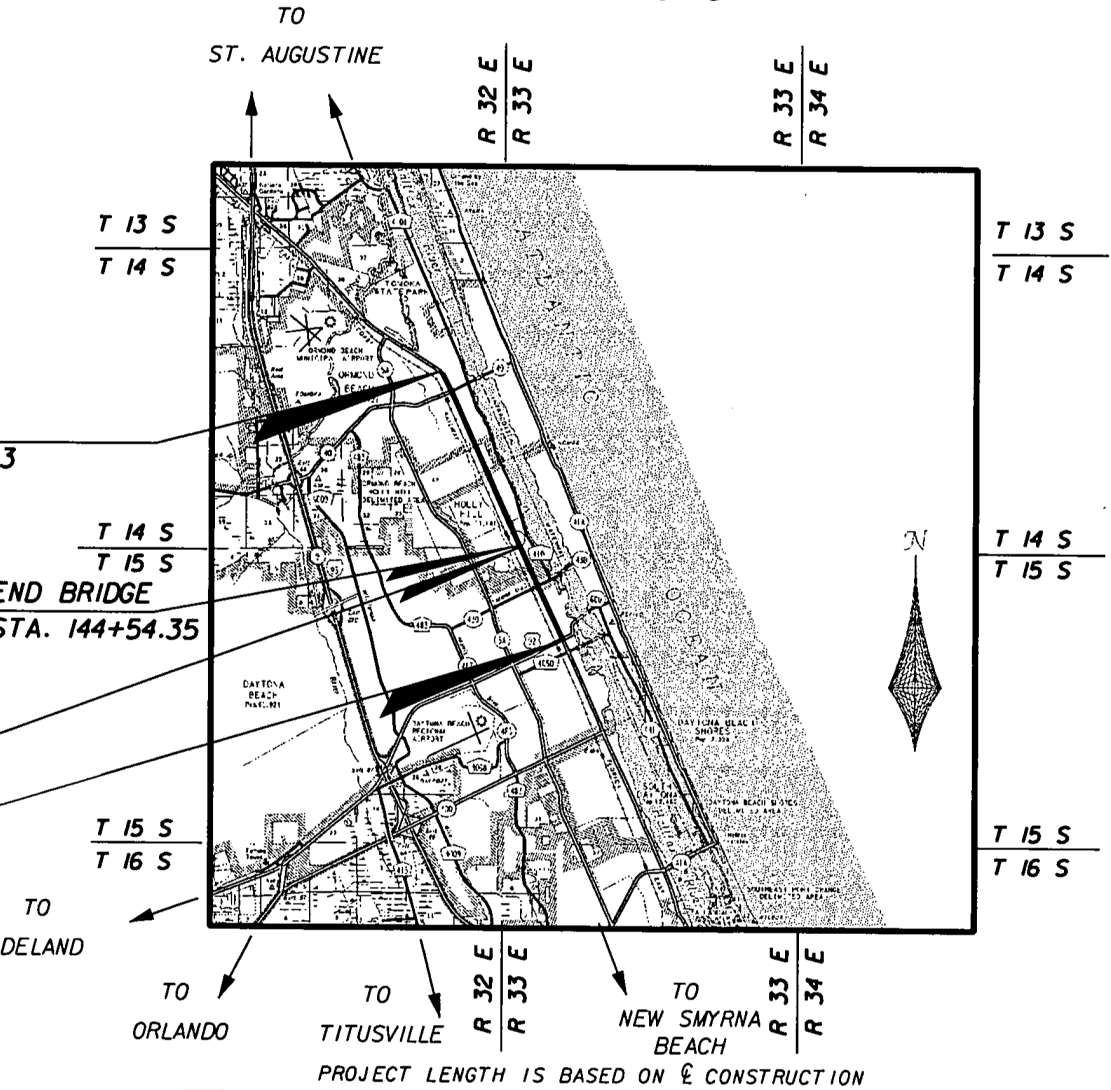
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DEPARTMENT OF TRANSPORTATION

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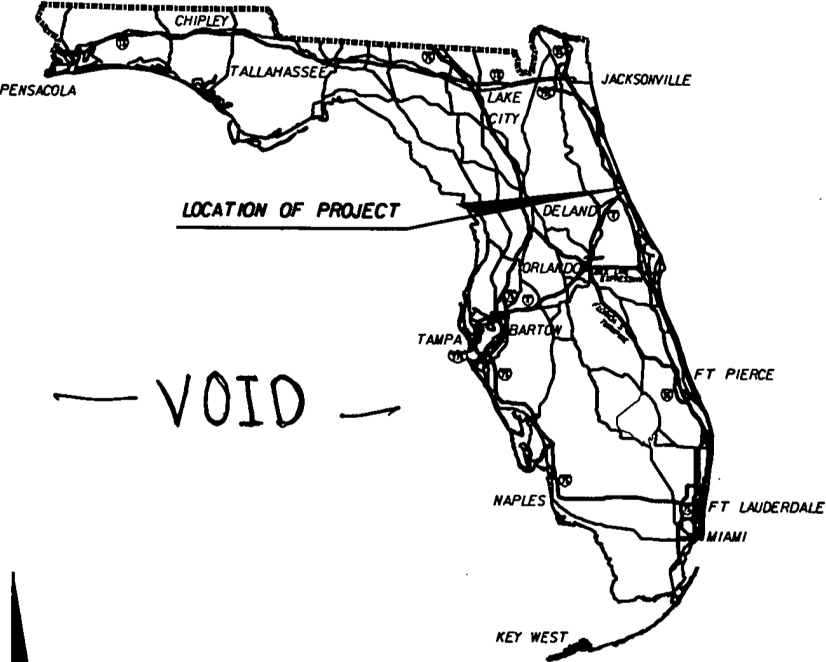
STATE ROAD NO. 5



PROJECT LENGTH IS BASED ON E CONSTRUCTION

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FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



VOID

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TO BE SUBMITTED TO:

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DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803

PLANS PREPARED BY:

ENGINEER OF RECORD:



ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
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1505 E. COLONIAL DRIVE
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(407) 896-0594 CERTIFICATE OF AUTHORIZATION NO. 2648
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DATE	BY	DESCRIPTION
2/3/5	CM	ADDED PAGE #5

ROADWAY PLANS
ENGINEER OF RECORD:

P.E. NO. 48263

FISCAL YEAR	SHEET NO.
2004	1

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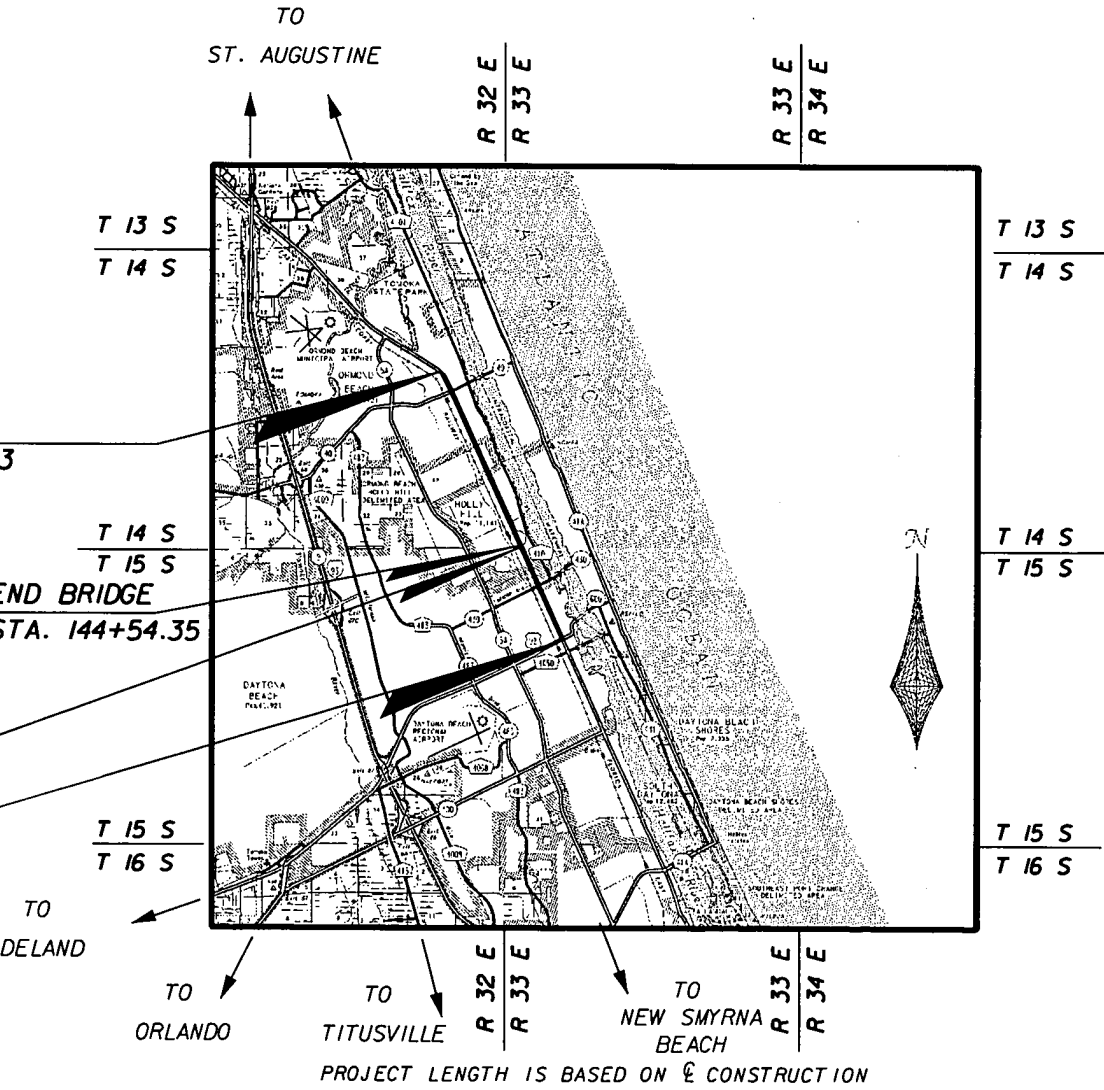
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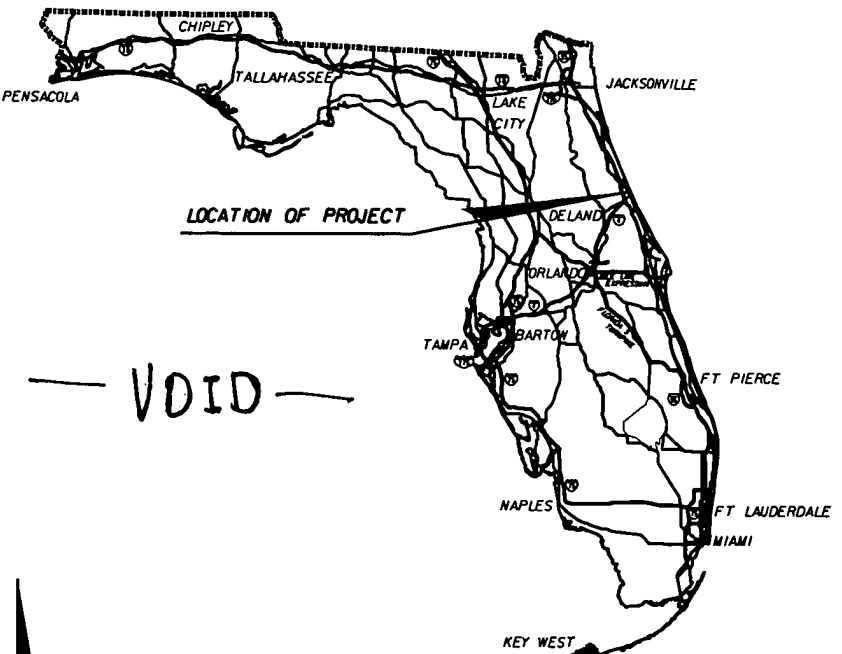
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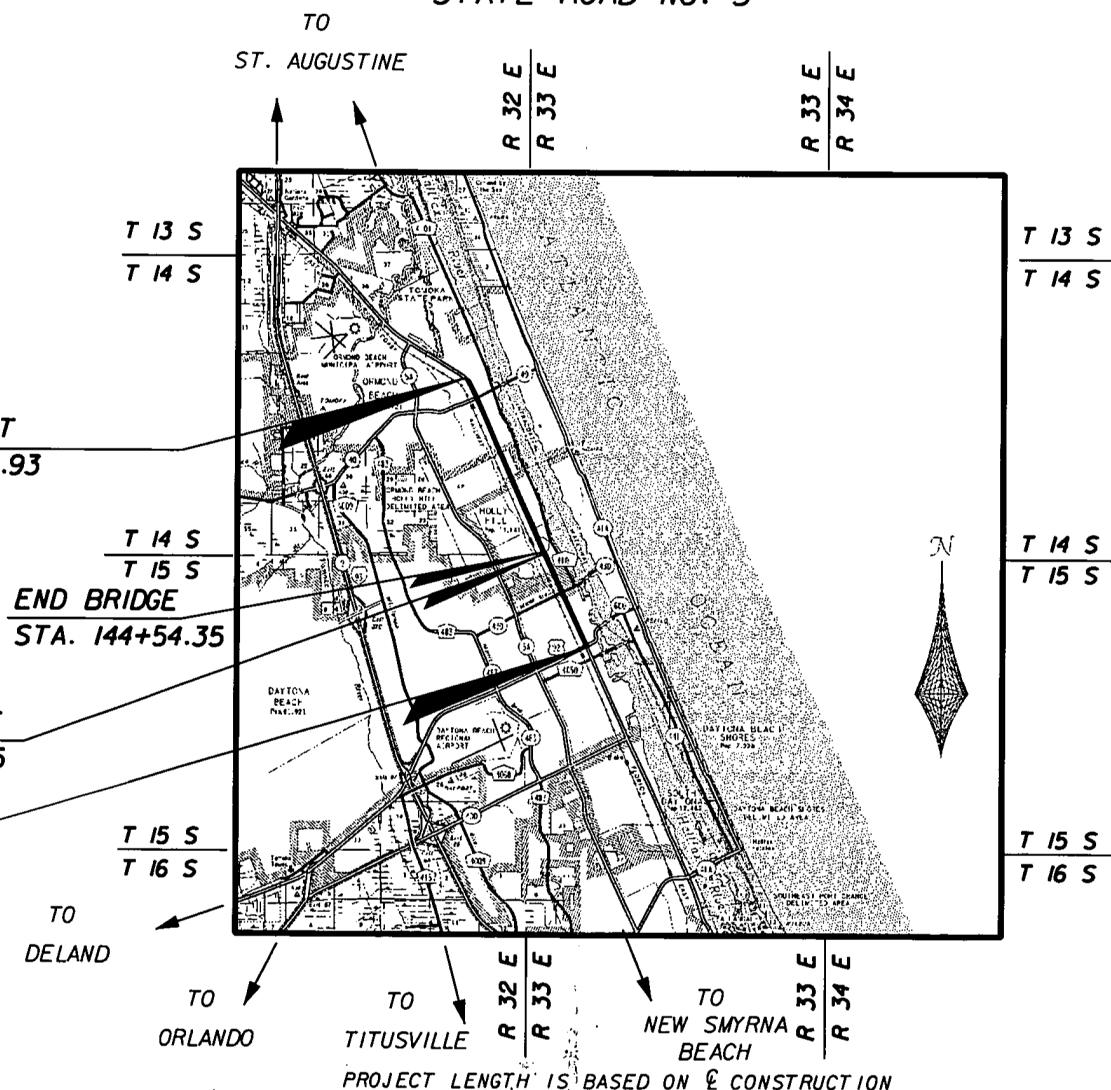
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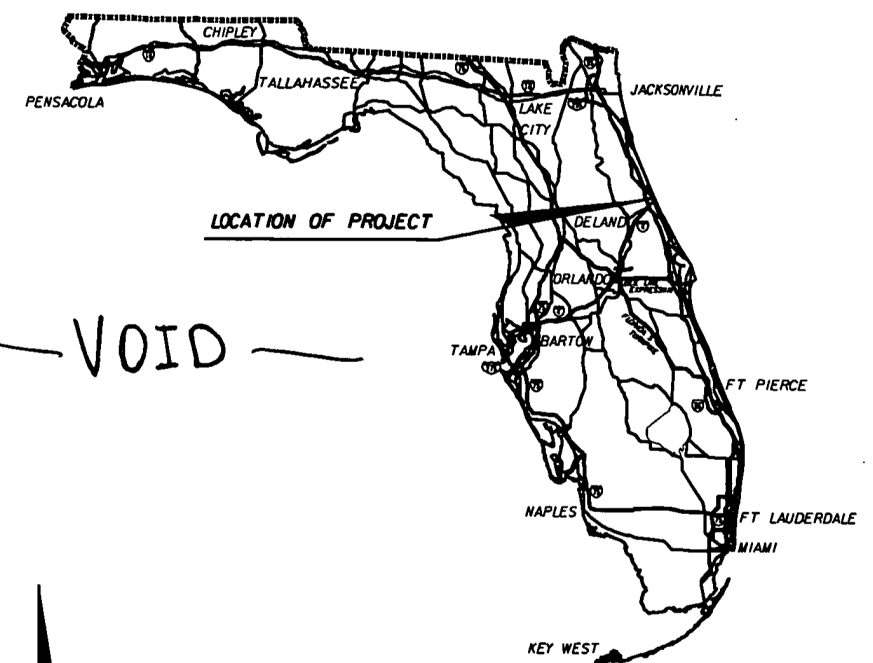
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VOID

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

COLETTE MOSS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803

PLANS PREPARED BY:

ENGINEER OF RECORD:



ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594 CERTIFICATE OF AUTHORIZATION NO. 2648
VENDOR NO. VF59179174001
CONTRACT NO. C-8445

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

THIS PROJECT TO BE LET TO CONTRACT WITH
FINANCIAL PROJECT IDENTIFICATION NO. 411777-1-56-01

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION
2/3/5	CM	ADDED PAGE #'S

ROADWAY PLANS
ENGINEER OF RECORD: COLETTE MOSS

PE. NO. 48263

3-30-05

FISCAL YEAR 10/04

SHEET NO. 1

COMPONENTS OF CONTRACT PLANS SET

SIGNALIZATION PLANS
STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-2A	SUMMARY OF PAY ITEMS (ROADWAY)
3-4	TYPICAL SECTIONS
5-7	TYPICAL SECTION DETAILS
8-9	GENERAL NOTES
10-10A	SUMMARY OF QUANTITIES
11-13	TABULATION OF QUANTITIES
14	SUMMARY OF DRAINAGE STRUCTURES
15	SUMMARY OF SIDE STREETS
16	SUMMARY OF SIGNALIZED SIDESTREETS
17	CURB CUT RAMP SUMMARY AND CONSTRUCTION DETAILS
18-44	PLAN SHEETS
45	GUIDE SIGN WORKSHEET
46	CURB CUT RAMP DETAILS
46A-46B	STORMWATER POLLUTION PREVENTION PLAN
47	TURN LANES (INTERIM INDEX 0301)
48-52	PUBLIC SIDEWALK CURB RAMPS (INTERIM INDEX 0304)
53-54	CONCRETE SIDEWALK (INTERIM INDEX 0310)
55-57	TRAFFIC CONTROL PLAN

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED JANUARY 2002,
AND STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS:

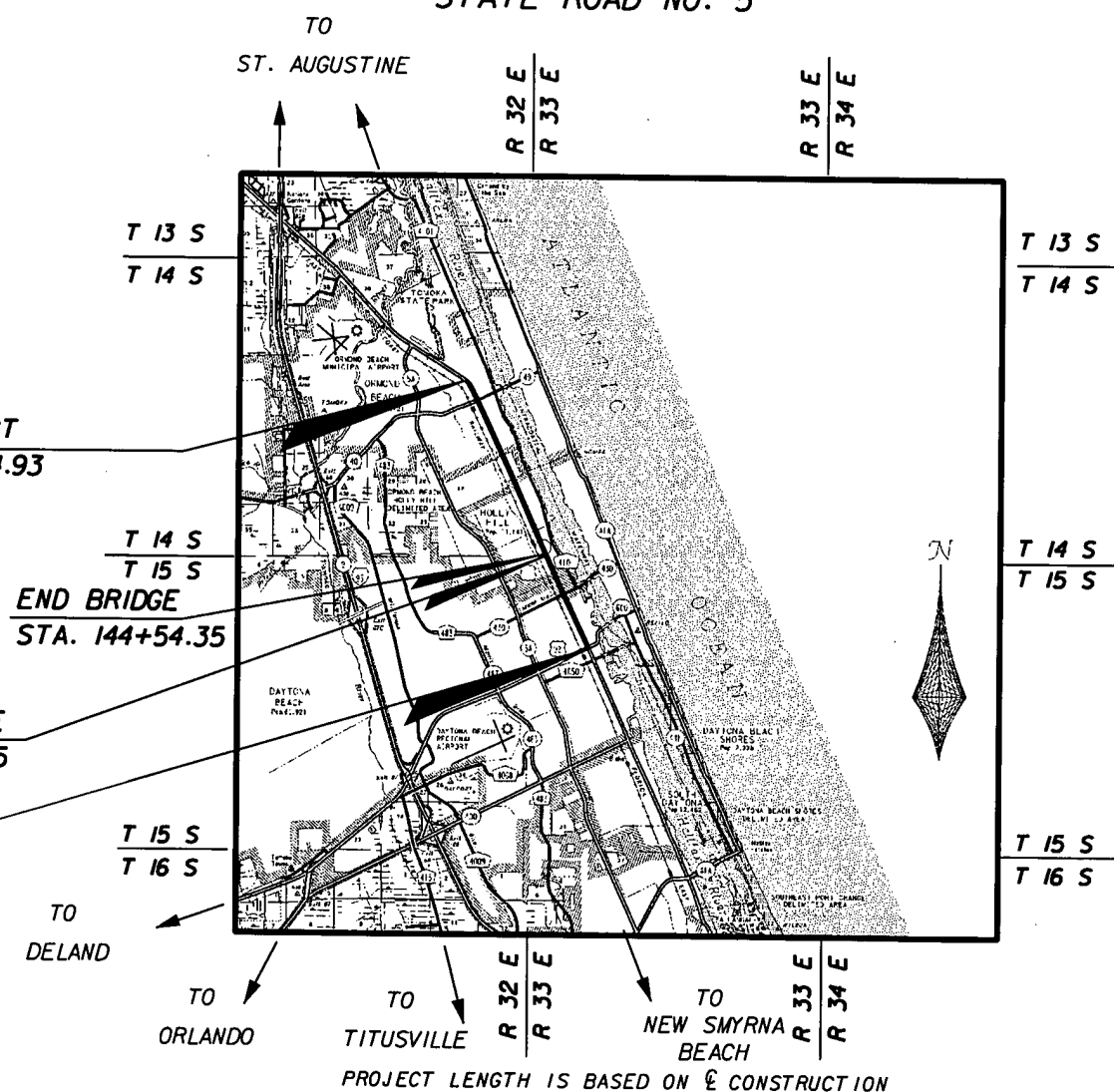
Roadway Sheet 8 (Revised 2-12-04)
Roadway Sheet 2, 8 (Revised 3-22-04)
Roadway Sheets 55, 56, 57 (Added 2-3-05)

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

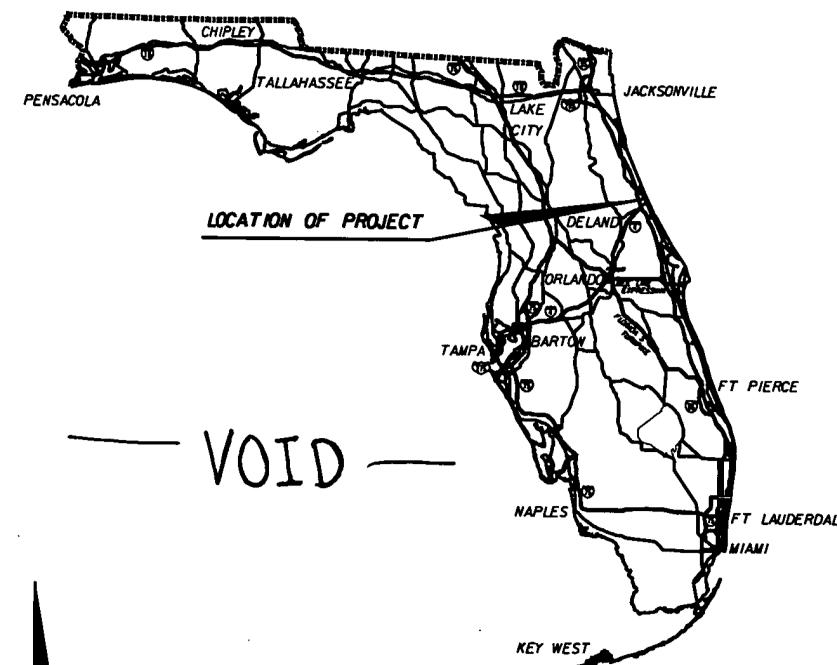
FINANCIAL PROJECT ID 411777-1-52-01

VOLUSIA COUNTY (79030)
STATE ROAD NO. 5



LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	30840.93	5.841
BRIDGES	43.30	0.008
NET LENGTH OF PROJECT	30797.63	5.833
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	30840.93	5.841

FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



VOID

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ENGINEER OF RECORD:

P.E. NO. 48263

FISCAL YEAR 04
SHEET NO. 1

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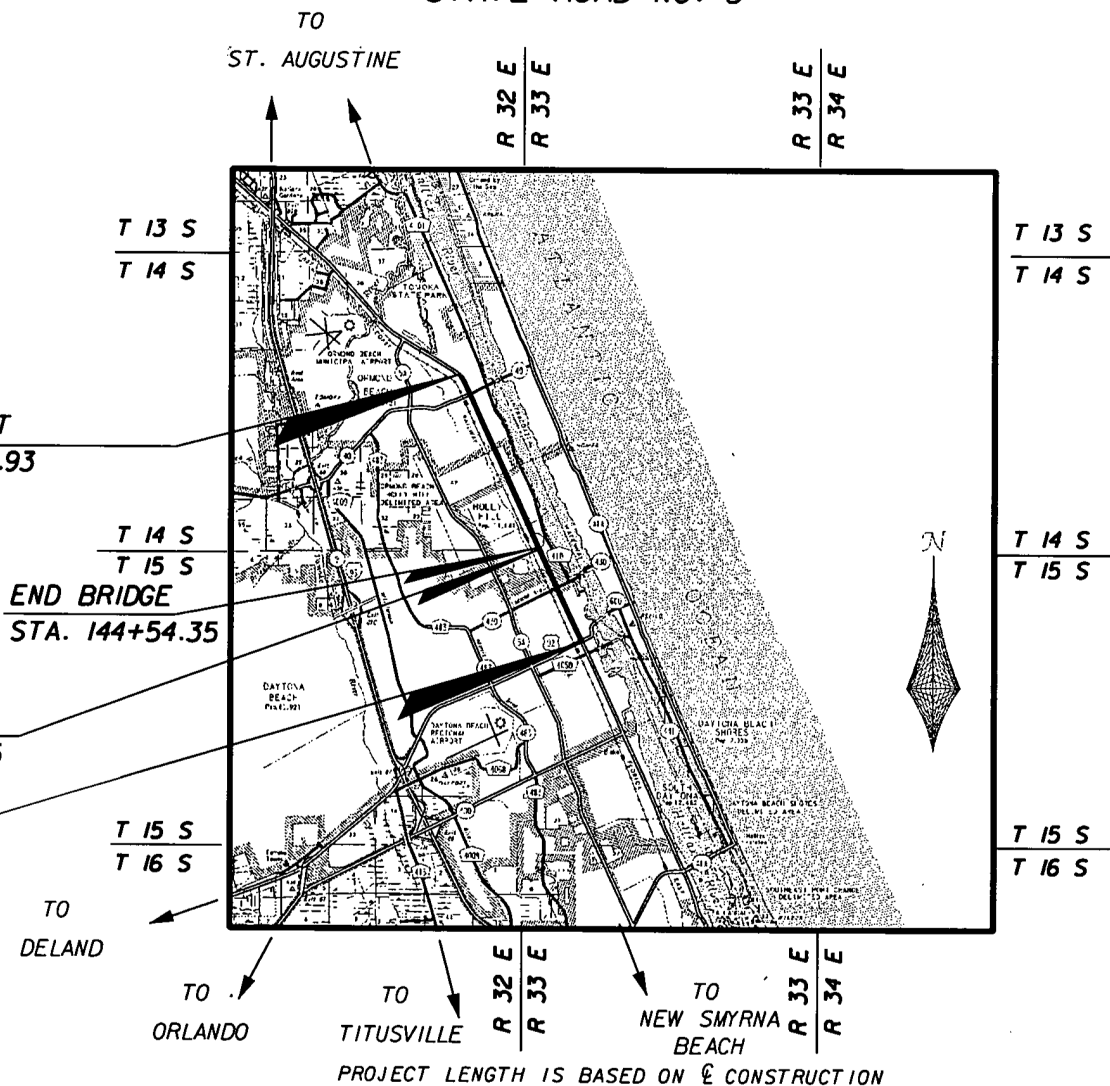
Roadway Sheet 8 (Revised 2-12-04)
Roadway Sheet 2, 8 (Revised 3-22-04)

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 411777-1-52-01

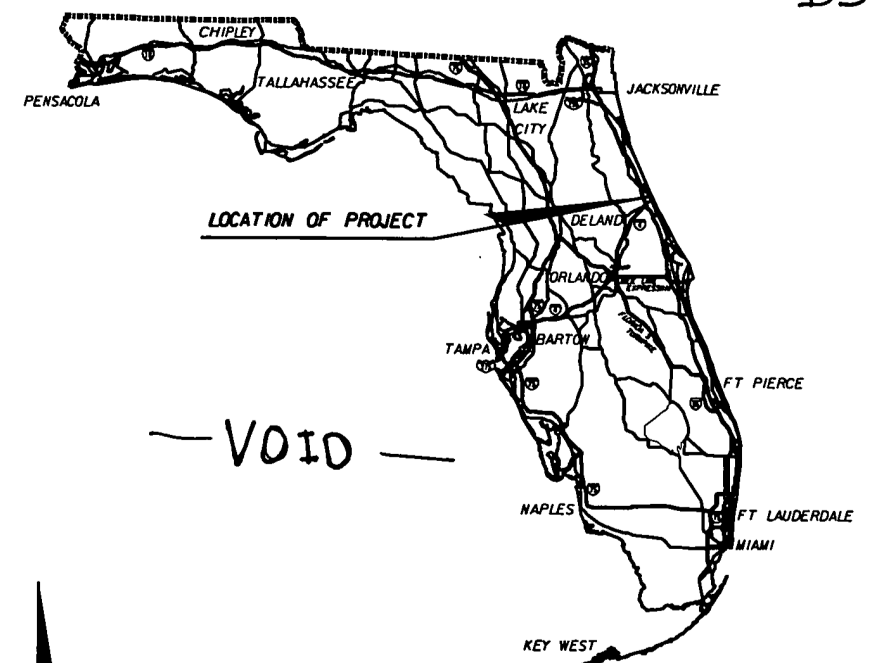
VOLUSIA COUNTY (79030)
STATE ROAD NO. 5



PROJECT LENGTH IS BASED ON E CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	30840.93	5.841
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FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



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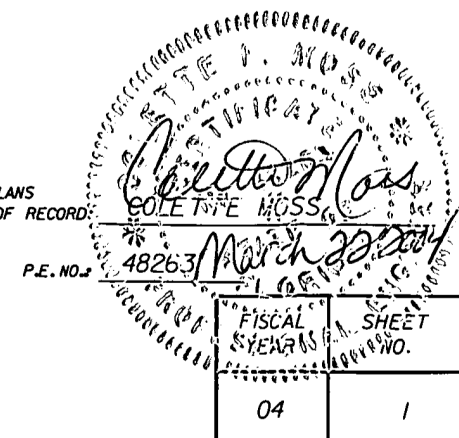
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KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS
ENGINEER OF RECORD:



DATE *TIME* *FILE*

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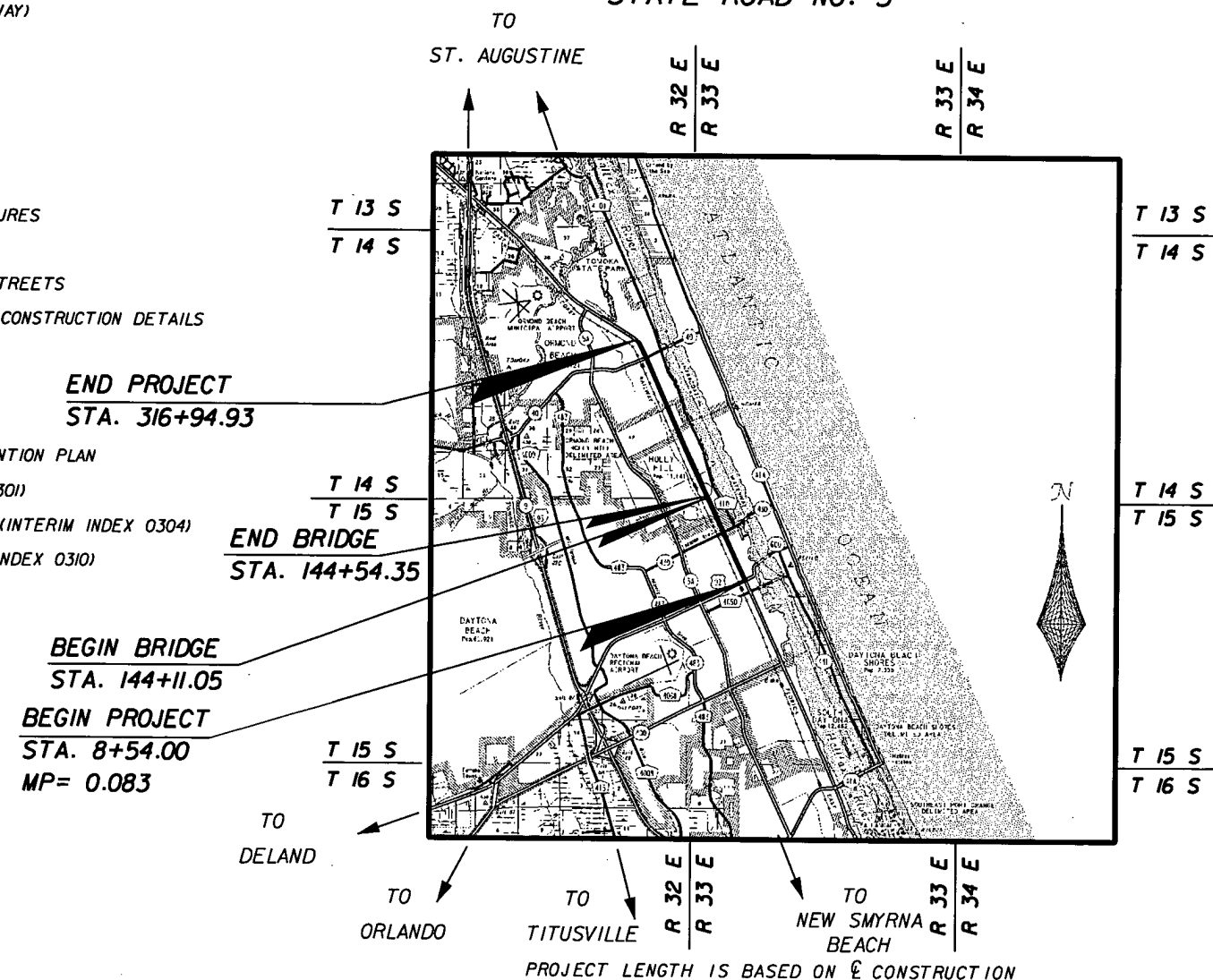
Roadway Sheet 8 (Revised 2-12-04)

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 411777-1-52-01

VOLUSIA COUNTY (79030)
STATE ROAD NO. 5



END PROJECT
STA. 316+94.93

END BRIDGE
STA. 144+54.35

BEGIN BRIDGE
STA. 144+11.05

BEGIN PROJECT
STA. 8+54.00
MP= 0.083

TO
DELAND

TO
ORLANDO

TO
TITUSVILLE

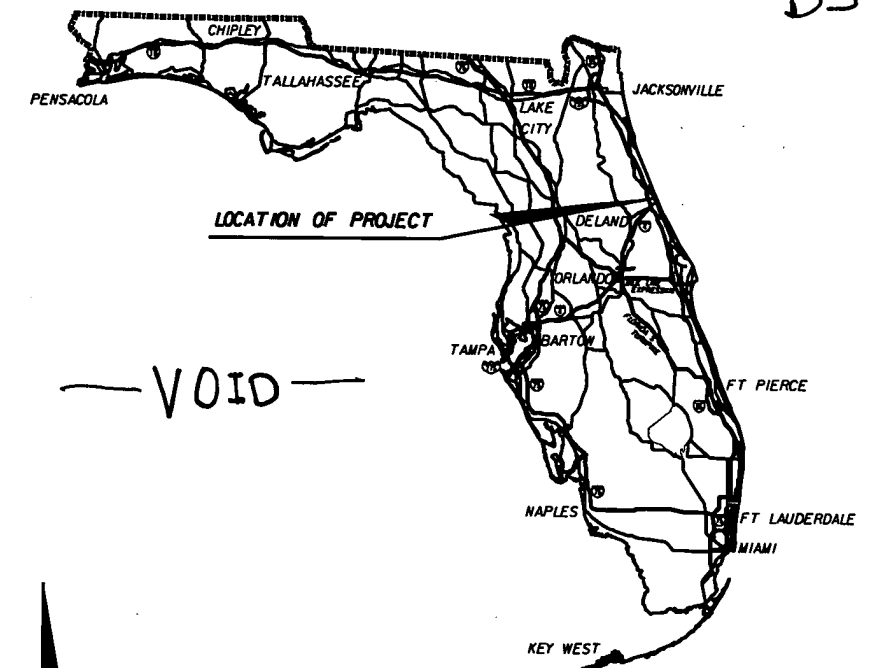
TO
NEW SMYRNA
BEACH

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FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



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ROADWAY PLANS:
ENGINEER OF RECORD: COLETTE MOSS
P.E. NO. 48263
FISCAL YEAR: 04
SHEET NO.: 1

COMPONENTS OF CONTRACT PLANS SET

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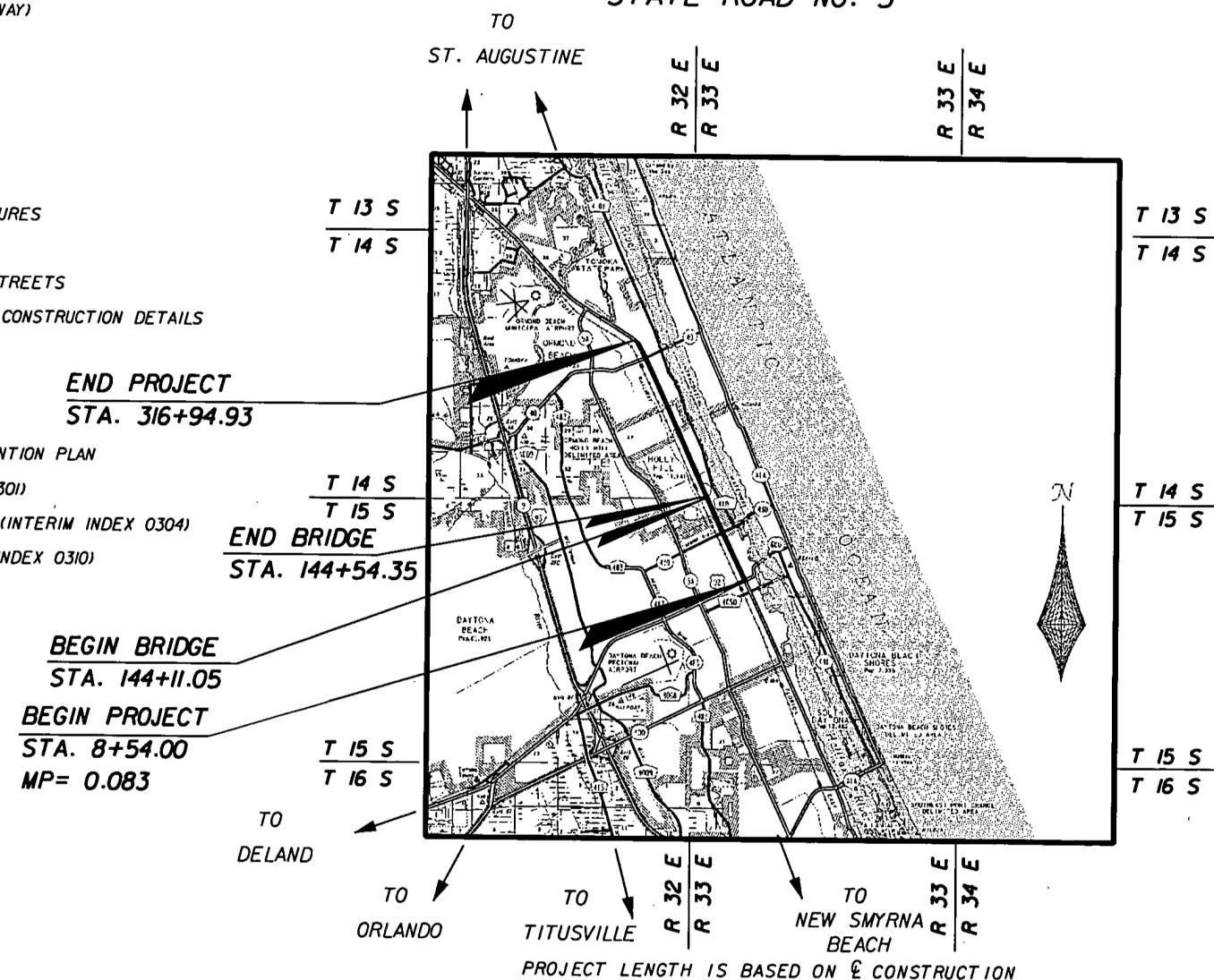
REVISIONS:

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

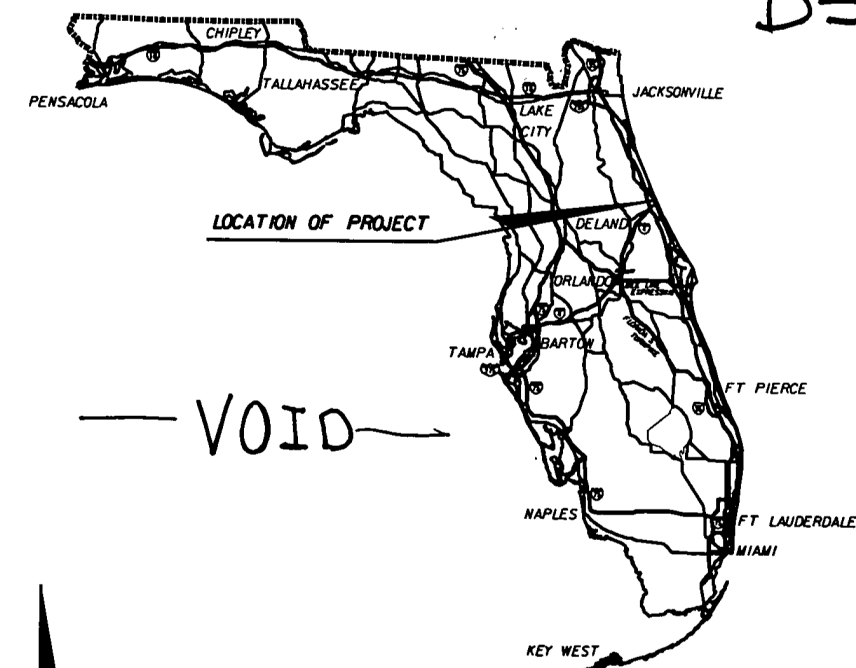
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FDOT PROJECT MANAGER: CHRISTINE DALLAIRE



LOCATION OF PROJECT

VOID

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ROADWAY PLANS
ENGINEER OF RECORD:

P.E. NO. 48263

FISCAL YEAR	SHEET NO.
04	1

VOID

1
PPROPQTY 12/04/03
PROPOSAL : T5053
FINPROJ(S) : 41177715201
41177715601
LEAD FINPROJ : 41177715201
COUNTY/SECTION: 79030000
79030000
COUNTY : VOLUSIA
MANDIST: 05
PAGE: 1 A0001

10001 SUMMARY OF STRUCTURES				PAY ITEMS			
P	ALT	ITEM	ITEM	UN	41177715201		QUANTITY TOTAL
C		NUMBER	DESCRIPTION	IT	IBR # 790013		
		0110- 3-	STRUCTURE REMOVAL OF EXISTING	LS	1.000		1.000
		0400- 2- 4	CONC CLASS II (SUPERSTRUCTURE)	IC	23.000		23.000
		0415- 1- 4	REINF STEEL (SUPERSTRUCTURE)	LB	5916.000		5916.000
		0460- 70- 2	ALUMINUM RAILINGS (DOUBLE RAIL)	LF	142.000		142.000
		0521- 5- 4	CONCRETE TRAFFIC RAILING BAR.BRDG(32" VERT FACE)	LF	107.000		107.000
		0521- 5- 9	CONCRETE TRAFFIC RAILING BAR. (BRIDGE) (SPECIAL)	LF	43.000		43.000

FLORIDA DEPARTMENT OF TRANSPORTATION

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41177715601
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79030000
COUNTY : VOLUSIA
MANDIST: 05
PAGE: 2 A0002

10002 SUMMARY OF ROADWAY				PAY ITEMS			
P	ALT	ITEM	ITEM	UN	41177715201	41177715601	QUANTITY TOTAL
C		NUMBER	DESCRIPTION	IT			
		0101- 1-	MOBILIZATION	LS	1.000	0.000	1.000
		0102- 1-	MAINTENANCE OF TRAFFIC	LS	1.000	0.000	1.000
		0102- 14-	TRAFFIC CONTROL OFFICER	IM	36.000	0.000	36.000
		0102- 60-	WORK ZONE SIGNS	ED	31040.000	0.000	31040.000
		0102- 71- 11	BARRIER WALL (TEMPORARY) (F&I) (CONCRETE)	LF	5130.000	0.000	5130.000
		0102- 71- 21	BARRIER WALL (TEMPORARY) (RELOCATE) (CONCRETE)	LF	25650.000	0.000	25650.000
		0102- 74- 1	BARRICADE (TEMPORARY) (TYPES I, II, VP & DRUM)	ED	10100.000	0.000	10100.000
		0102- 76-	PANELS ARROW ADVANCE WARNING	ED	90.000	0.000	90.000
		0102- 77-	HIGH INTENSITY FLASHING LIGHTS (TEMP - TYPE B)	ED	14904.000	0.000	14904.000
		0102- 79-	LIGHTS (TEMP-BARR. WALL MOUNT) (TYPE C STEADY BURN)	ED	6630.000	0.000	6630.000
		0102-107-	TEMPORARY TRAF DETECTION (INTERSECT)	DA	4380.000	0.000	4380.000
		0104- 4-	MOWING	JAC	7.100	0.000	7.100
		0104- 11-	TURBIDITY BARRIER FLOATING	LF	110.000	0.000	110.000
		0104- 13- 1	SILT FENCE STAKED (TYPE III)	LF	70.000	0.000	70.000
		0104- 16-	ROCK BAGS	EA	4500.000	0.000	4500.000
		0110- 1- 1	CLEARING & GRUBBING	LS	1.000	0.000	1.000
		0120- 2- 2	EXCAVATION BORROW (TRUCK MEASURE)	CY	26217.000	0.000	26217.000
		0120- 71-	REGULAR EXCAVATION (3-R PROJECTS ONLY)	LS	1.000	0.000	1.000
		0285-709-	BASE OPTIONAL (BASE GROUP 09)	SY	1002.000	0.000	1002.000
		0327- 70- 4	MILLING EXIST ASPH PAVT (3" AVG DEPTH)	SY	35133.000	0.000	35133.000
		0327- 70- 6	MILLING EXIST ASPH PAVT (1 1/2" AVG DEPTH)	SY	175401.000	0.000	175401.000
		0327- 70- 8	MILLING EXIST ASPH PAVT (2 1/2" AVG DEPTH)	SY	1761.000	0.000	1761.000
		0327- 70- 12	MILLING EXIST ASPH PAVT (1 1/4" AVG DEPTH)	SY	3972.000	0.000	3972.000
		0327- 70- 13	MILLING EXIST ASPH PAVT (1 3/4" AVG DEPTH)	SY	1497.000	0.000	1497.000
		0334- 1- 13	SUPERPAVE ASPHALTIC CONC (TRAFFIC C)	TN	2671.000	0.000	2671.000
		0337- 7- 6	ASPH CONC FRICTION COURSE (INC BIT/RUBBER) FC 12.5	TN	17501.400	0.000	17501.400
		0339- 1-	ASPHALT PAVEMENT MISCELLANEOUS	TN	185.000	0.000	185.000
		0400- 1- 11	CONC CLASS I (RETAINING WALLS)	CY	4.900	0.000	4.900
		0400- 1- 15	CONC CLASS I (MISCELLANEOUS)	CY	5.400	0.000	5.400
		0425- 1-311	INLETS (CURB) (TYPE P-1)	EA	1.000	0.000	1.000
		0425- 1-341	INLETS (CURB) (TYPE P-4)	EA	6.000	0.000	6.000
		0425- 1-713	INLETS (GUTTER) (TYPE V)	EA	3.000	0.000	3.000
		0425- 5-	MANHOLE (ADJUST)	EA	9.000	0.000	9.000
		0430-171-123	PIPE CULV(OPT MATL) (ROUND) (15"SS)	LF	26.000	0.000	26.000
		0430-171-125	PIPE CULV(OPT MATL) (ROUND) (18"SS)	LF	20.000	0.000	20.000
		0430-171-129	PIPE CULV(OPT MATL) (ROUND) (24"SS)	LF	9.000	0.000	9.000
		0430-171-133	PIPE CULV(OPT MATL) (ROUND) (30"SS)	LF	14.000	0.000	14.000
		0515- 1- 2	PIPE HANDRAIL (ALUMINUM)	LF	210.000	0.000	210.000
		0520- 1- 7	CURB & GUTTER CONC (TYPE E)	LF	43567.000	0.000	43567.000
		0520- 1- 10	CURB & GUTTER CONC (TYPE F)	LF	1885.000	0.000	1885.000
		0520- 2- 4	CURB CONC (TYPE D)	LF	968.000	0.000	968.000

FLORIDA DEPARTMENT OF TRANSPORTATION

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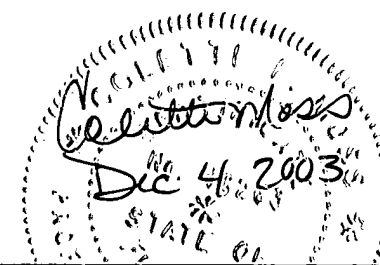
10002 SUMMARY OF ROADWAY				PAY ITEMS CONTINUED			
P	ALT	ITEM	ITEM	UN	41177715201	41177715601	QUANTITY TOTAL
C		NUMBER	DESCRIPTION	IT			
		0520- 5- 11	TRAF SEP CONC (TYPE I) (4' WIDE)	LF	942.000	0.000	942.000
		0522- 1-	SIDEWALK CONC (4" THICK)	SY	1102.000	0.000	1102.000
		0536- 1- 1	GUARDRAIL (ROADWAY)	LF	63.000	0.000	63.000
		0536- 1- 5	GUARDRAIL (ROADWAY, THRIE BEAM)	LF	67.000	0.000	67.000
		0536- 8-	GUARDRAIL BRIDGE ANCHORAGE ASSEM	EA	3.000	0.000	3.000
		0536- 85- 25	GUARDRAIL END ANCHORAGE ASSEMBLY TYPE II	EA	3.000	0.000	3.000
		0570- 5-	FERTILIZER	TN	2.300	0.000	2.300
		0570- 9-	WATER FOR GRASS	IMG	171.000	0.000	171.000
		0575- 1- 4	SODDING (SAINT AUGUSTINE)	SY	27640.000	0.000	27640.000
		0710- 6-	DIRECTIONAL ARROWS, PAINTED	EA	424.000	0.000	424.000
		0710- 22-	TRAFFIC STRIPE SKIP (YELLOW)	GM	20.768	0.000	20.768
		0710- 23- 61	TRAFFIC STRIPE SOLID (WHITE/BLACK) (6")	INM	24.004	0.000	24.004
		0710- 24- 61	TRAFFIC STRIPE SOLID (YELLOW) (6")	INM	22.178	0.000	22.178
		0710- 25- 81	TRAFFIC STRIPE SOLID (WHITE/BLACK) (8")	LF	3652.000	0.000	3652.000
		0710- 25-241	TRAFFIC STRIPE SOLID (WHITE/BLACK) (24")	LF	5490.000	0.000	5490.000
		0903-527- 1	APPLIED DETECTABLE WARNING DEVICE ON CURB RAMP	EA	79.000	0.000	79.000
		0999- 25-	INITIAL CONTINGENCY AMOUNT (DO NOT BID)	LS	1.000	0.000	1.000

FLORIDA DEPARTMENT OF TRANSPORTATION

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
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505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2549
JAMES R. DELLEUR, P.E. LICENSE NO. 42290
COLETTE MOSS, P.E. LICENSE NO. 48263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01



SUMMARY OF PAY ITEMS

SHEET NO.
2

0001 SUMMARY OF STRUCTURES		PAY ITEMS			
P	ALT	ITEM	ITEM	UN	QUANTITY TOTAL
C		NUMBER	DESCRIPTION	IT	
		10110- 3-	STRUCTURE REMOVAL OF EXISTING	LS	1.000
		10400- 2- 4	CONC CLASS II(SUPERSTRUCTURE)	CY	23.000
		10415- 1- 4	REINF STEEL (SUPERSTRUCTURE)	LB	5916.000
		10460- 70- 2	ALUMINUM RAILINGS (DOUBLE RAIL)	LF	142.000
		10521- 5- 4	CONCRETE TRAFFIC RAILING BAR,BRDG(32" VERT FACE)	LF	107.000
		10521- 5- 9	CONCRETE TRAFFIC RAILING BAR,(BRIDGE) (SPECIAL)	LF	43.000



FLORIDA DEPARTMENT OF TRANSPORTATION

0002 SUMMARY OF ROADWAY		PAY ITEMS			
P	ALT	ITEM	ITEM	UN	QUANTITY TOTAL
C		NUMBER	DESCRIPTION	IT	
		10101- 1-	MOBILIZATION	LS	1.000
		10102- 1-	MAINTENANCE OF TRAFFIC	LS	1.000
		10102- 14-	TRAFFIC CONTROL OFFICER	HM	36.000
		10102- 60-	WORK ZONE SIGNS	ED	31040.000
		10102- 71- 11	BARRIER WALL (TEMPORARY) (F&I) (CONCRETE)	LF	5130.000
		10102- 71- 21	BARRIER WALL (TEMPORARY) (RELOCATE) (CONCRETE)	LF	25650.000
		10102- 74- 1	BARRICADE (TEMPORARY) (TYPES I,II,VP & DRUM)	ED	10100.000
		10102- 76-	PANELS ARROW ADVANCE WARNING	ED	90.000
		10102- 77-	HIGH INTENSITY FLASHING LIGHTS (TEMP - TYPE B)	ED	14904.000
		10102- 79-	LIGHTS(TEMP-BARR. WALL MOUNT) (TYPE C STEADY BURN)	ED	6630.000
		10102-107-	TEMPORARY TRAF DETECTION(INTERSECT)	DA	4380.000
		10104- 4-	MOWING	AC	7.100
		10104- 11-	TURBIDITY BARRIER FLOATING	LF	110.000
		10104- 13- 1	SILT FENCE STAKED (TYPE III)	LF	70.000
		10104- 16-	ROCK BAGS	EA	4500.000
		10110- 1- 1	CLEARING & GRUBBING	LS	1.000
		10120- 2- 2	EXCAVATION BORROW (TRUCK MEASURE)	CY	26217.000
		10120- 71-	REGULAR EXCAVATION (3-R PROJECTS ONLY)	LS	1.000
		10285-709-	BASE OPTIONAL (BASE GROUP 09)	SY	1002.000
		10327- 70- 4	MILLING EXIST ASPH PAVT (3" AVG DEPTH)	SY	35133.000
		10327- 70- 6	MILLING EXIST ASPH PAVT (1 1/2" AVG DEPTH)	SY	175401.000
		10327- 70- 8	MILLING EXIST ASPH PAVT (2 1/2" AVG DEPTH)	SY	1761.000
		10327- 70- 12	MILLING EXIST ASPH PAVT (1 1/4" AVG DEPTH)	SY	3972.000
		10327- 70- 13	MILLING EXIST ASPH PAVT (1 3/4" AVG DEPTH)	SY	1497.000
		10334- 1- 13	SUPERPAVE ASPHALTIC CONC (TRAFFIC C)	TN	2671.000
		10337- 7- 6	ASPH CONC FRICTION COURSE(INC BIT/RUBBER) FC 12.5	TN	17501.400
		10339- 1-	ASPHALT PAVEMENT MISCELLANEOUS	TN	2180.700
		10400- 1- 11	CONC CLASS I (RETAINING WALLS)	CY	4.900
		10400- 1- 15	CONC CLASS I (MISCELLANEOUS)	CY	5.400
		10425- 1-311	INLETS (CURB) (TYPE P-1)	EA	1.000
		10425- 1-341	INLETS (CURB) (TYPE P-4)	EA	6.000
		10425- 1-713	INLETS (GUTTER) (TYPE V)	EA	3.000
		10425- 5-	MANHOLE (ADJUST)	EA	9.000
		10430-171-123	PIPE CULV(OPT MATL) (ROUND) (15"SS)	LF	26.000
		10430-171-125	PIPE CULV(OPT MATL) (ROUND) (18"SS)	LF	20.000
		10430-171-129	PIPE CULV(OPT MATL) (ROUND) (24"SS)	LF	9.000
		10430-171-133	PIPE CULV(OPT MATL) (ROUND) (30"SS)	LF	14.000
		10515- 1- 2	PIPE HANDRAIL (ALUMINUM)	LF	210.000
		10520- 1- 7	CURB & GUTTER CONC (TYPE E)	LF	43567.000
		10520- 1- 10	CURB & GUTTER CONC (TYPE F)	LF	1885.000
		10520- 2- 4	CURB CONC (TYPE D)	LF	968.000

FLORIDA DEPARTMENT OF TRANSPORTATION

0002 SUMMARY OF ROADWAY		PAY ITEMS CONTINUED			
P	ALT	ITEM	ITEM	UN	QUANTITY TOTAL
C		NUMBER	DESCRIPTION	IT	
		10520- 5- 11	TRAF SEP CONC (TYPE I) (4' WIDE)	LF	942.000
		10522- 1-	SIDEWALK CONC (4" THICK)	SY	1102.000
		10536- 1- 1	GUARDRAIL (ROADWAY)	LF	63.000
		10536- 1- 5	GUARDRAIL (ROADWAY, THRIE BEAM)	LF	67.000
		10536- 8-	GUARDRAIL BRIDGE ANCHORAGE ASSEM	EA	3.000
		10536- 85- 25	GUARDRAIL END ANCHORAGE ASSEMBLY TYPE II	EA	3.000
		10570- 5-	FERTILIZER	TN	2.300
		10570- 9-	WATER FOR GRASS	IMG	171.000
		10575- 1- 4	SODDING (SAINT AUGUSTINE)	SY	27640.000
		10710- 6-	DIRECTIONAL ARROWS, PAINTED	EA	424.000
		10710- 22-	TRAFFIC STRIPE SKIP (YELLOW)	GM	20.768
		10710- 23- 61	TRAFFIC STRIPE SOLID (WHITE/BLACK) (6")	NM	24.004
		10710- 24- 61	TRAFFIC STRIPE SOLID (YELLOW) (6")	NM	22.178
		10710- 25- 81	TRAFFIC STRIPE SOLID (WHITE/BLACK) (8")	LF	3652.000
		10710- 25-241	TRAFFIC STRIPE SOLID (WHITE/BLACK) (24")	LF	5490.000
		10903-527- 1	APPLIED DETECTABLE WARNING DEVICE ON CURB RAMP	EA	79.000
		10999- 25-	INITIAL CONTINGENCY AMOUNT (DO NOT BID)	LS	1.000

FLORIDA DEPARTMENT OF TRANSPORTATION

REVISIONS				 DRMP ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS DYER, RIDDLE, WILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2648 JAMES R. DELLEUR, P.E. LICENSE NO. 41290 COLETTE MOSS, P.E. LICENSE NO. 48863	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			 SUMMARY OF PAY ITEMS	SHEET NO. 2
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
3/22/04	JTD	CHANGED PAY ITEM 339-1 QUANTITY				SR 5	VOLUSIA	411777-1-52-01	

1 PPROPQTY 12/04/03
PROPOSAL : T5053 LEAD FINPROJ : 41177715201 COUNTY : VOLUSIA
FINPROJ(S): 41177715201 COUNTY/SECTION: 79030000 MANDIST: 05
41177715601 79030000

10004 SUMMARY OF SIGNALIZATION						
PAY ITEMS						
ALT	ITEM	ITEM	UN	41177715201	41177715601	QUANTITY TOTAL
NUMBER	DESCRIPTION	DESCRIPTION	IT			
	10630- 1- 11	CONDUIT (FURNISH & INSTALL) (ABOVEGROUND)	LF	60.000	0.000	60.000
	10630- 1- 12	CONDUIT (FURNISH & INSTALL) (UNDERGROUND)	LF	2431.000	0.000	2431.000
	10630- 1- 13	CONDUIT (FURNISH & INSTALL) (UNDER PAVEMENT)	LF	1412.000	0.000	1412.000
	10630- 1- 14	CONDUIT (FURNISH & INSTALL) (UNDERGROUND - JACKED)	LF	6543.000	0.000	6543.000
	10630- 1- 15	CONDUIT (FURNISH & INSTALL) (BRIDGE MOUNTED)	LF	101.000	0.000	101.000
	10632- 7- 1	CABLE (SIGNAL) (FURNISH & INSTALL)	PI	7.000	0.000	7.000
	10633-313- 2	CABLE FIBER OPTIC(INS) (26- 50 FIBERS) (AERIAL) (COM	LF	40.000	0.000	40.000
	10633-323- 2	CABLE FIBER OPTIC(INS) (26-50 FIBERS) (UNGROUND) (CO	LF	194.000	0.000	194.000
	10634- 4-112	SPAN WIRE ASSEMBLY (F&I) (2 WIRE) (DIAGONAL)	PI	1.000	0.000	1.000
	10634- 4-113	SPAN WIRE ASSEMBLY (F&I) (2 WIRE) (BOX)	PI	3.000	0.000	3.000
	10634- 5- 1	FIBERGLASS INSULATOR (FURNISH & INSTALL)	LF	110.000	0.000	110.000
	10635- 1- 11	PULL & JUNCTION BOXES (F&I) (PULL BOX)	EA	128.000	0.000	128.000
	10635- 1- 15	PULL & JUNCTION BOXES (F&I) (FIBER OPTICS)	EA	3.000	0.000	3.000
	10639- 1- 22	ELECTRICAL POWER SERVICE (UNDERGROUND)	AS	2.000	0.000	2.000
	10639- 2- 1	ELECTRICAL SERVICE WIRE	LF	128.000	0.000	128.000
	10649-411-001	M/ARM (F&I/HL) (SGL ARM W/O LUM) (1ST ARM TYPE B1(2N	EA	1.000	0.000	1.000
	10649-413-002	M/ARM (F&I/HL) (SGL ARM W/O LUM) (1ST ARM(B3)	EA	3.000	0.000	3.000
	10649-415-003	M/ARM (F&I/HL) (SGL ARM W/O LUM) (1ST ARM(B5)	EA	4.000	0.000	4.000
	10650- 51-312	SIGNAL TRAFFIC(F&I) (3 SECT 1 WAY) (LW)	AS	36.000	0.000	36.000
	10650- 51-322	SIGNAL TRAFFIC(F&I) (3 SECT 2 WAY) (LW)	AS	1.000	0.000	1.000
	10650- 51-512	SIGNAL TRAFFIC(F&I) (5 SECT 1 WAY) (LW)	AS	10.000	0.000	10.000
	10653-181-	SIGNAL PEDESTRIAN (F&I) (LED) (1 DIRECTION)	AS	38.000	0.000	38.000
	10653-182-	SIGNAL PEDESTRIAN (F&I) (LED) (2 DIRECTIONS)	AS	7.000	0.000	7.000
	10659-107-	SIGNAL HEAD AUXILIARIES (ALUMINUM PEDESTAL)	EA	7.000	0.000	7.000
	10660- 1-101	LOOP DETECTOR INDUCTIVE (F&I) (TYPE 1)	EA	42.000	0.000	42.000
	10660- 1-102	LOOP DETECTOR INDUCTIVE (F&I) (TYPE 2)	EA	31.000	0.000	31.000
	10660- 2-102	LOOP ASSEMBLY (F&I) (TYPE B)	AS	68.000	0.000	68.000
	10660- 2-106	LOOP ASSEMBLY (F&I) (TYPE F)	AS	95.000	0.000	95.000
	10665- 11-	DETECTOR PEDEST(F&I) (DET STA POLE OR CABINET MTD)	EA	52.000	0.000	52.000
	10670- 5-110	CNTL ASSEM ACT SS F&I NEMA PRE(NONE)	AS	2.000	0.000	2.000
	10670- 5-411	CNTL ASSEM ACT SS MOD NEMA PRE(ONE)	AS	13.000	0.000	13.000
	10690- 10-	SIGNAL HEAD TRAFFIC ASSEMBLY REMOVAL	EA	48.000	0.000	48.000
	10690- 20-	SIGNAL PEDESTRIAN ASSEMBLY REMOVAL	EA	59.000	0.000	59.000
	10690- 32- 1	POLE REMOVAL(SHALLOW/DIRECT BURIAL)	EA	8.000	0.000	8.000
	10690- 50-	CNTRL ASSEM REMOVE	EA	2.000	0.000	2.000
	10690- 70-	DETECTOR PEDESTRIAN ASSEMBLY REMOVE	EA	59.000	0.000	59.000
	10690- 80-	SPAN WIRE ASSEMBLY REMOVE	EA	6.000	0.000	6.000
	10690- 90-	CONDUIT & CABLING REMOVE	PI	15.000	0.000	15.000
	10690- 91-	SIGNAL INTERCONNECT CABLE REMOVE	LF	70.000	0.000	70.000
	10690-100-	SIGNAL EQUIPMENT MISCELLANEOUS REMOVE	PI	6.000	0.000	6.000
	10699- 1- 1	SIGN, INTERNAL ILLUM(ST NAME)	EA	24.000	0.000	24.000

FLORIDA DEPARTMENT OF TRANSPORTATION

1 PPROPQTY 12/04/03
PROPOSAL : T5053 LEAD FINPROJ : 41177715201 COUNTY : VOLUSIA
FINPROJ(S): 41177715201 COUNTY/SECTION: 79030000 MANDIST: 05
41177715601 79030000

10004 SUMMARY OF SIGNALIZATION						
PAY ITEMS CONTINUED						
ALT	ITEM	ITEM	UN	41177715201	41177715601	QUANTITY TOTAL
NUMBER	DESCRIPTION	DESCRIPTION	IT			
	10700- 48- 60	SIGN PANELS (REMOVE)	EA	24.000	0.000	24.000
	10741- 70-111	TMS VEHICLE SENSOR(CLASS II) (F&I) (TYP I) (1/2 LN)	EA	8.000	0.000	8.000
	10745- 70- 12	TMS INDUCTIVE LOOP ASSEM(F&I) (2 LOOPS/LN)	AS	16.000	0.000	16.000
	10746- 71-211	TMS CABINET(F&I) (TYPE IV) (BASE MNT) (1 BACKPLANE)	EA	4.000	0.000	4.000

FLORIDA DEPARTMENT OF TRANSPORTATION

1 PPROPQTY 12/04/03
PROPOSAL : T5053 LEAD FINPROJ : 41177715201 COUNTY : VOLUSIA
FINPROJ(S): 41177715201 COUNTY/SECTION: 79030000 MANDIST: 05
41177715601 79030000


10005 SUMMARY OF LANDSCAPE / PERIPHERAL						
PAY ITEMS						
ALT	ITEM	ITEM	UN	41177715201	41177715601	QUANTITY TOTAL
NUMBER	DESCRIPTION	DESCRIPTION	IT			
	10590- 70-	IRRIGATION SYSTEM	LS	0.000	1.000	1.000
	10999- 25-	INITIAL CONTINGENCY AMOUNT (DO NOT BID)	LS	0.000	1.000	1.000

1 PPROPQTY 12/04/03
PROPOSAL : T5053 LEAD FINPROJ : 41177715201 COUNTY : VOLUSIA
FINPROJ(S): 41177715201 COUNTY/SECTION: 79030000 MANDIST: 05
41177715601 79030000

10003 SUMMARY OF SIGNING						
PAY ITEMS						
ALT	ITEM	ITEM	UN	41177715201	41177715601	QUANTITY TOTAL
NUMBER	DESCRIPTION	DESCRIPTION	IT			
	10700- 40- 1	SIGN SINGLE POST (LESS THAN 12)	AS	62.000	0.000	62.000
	10700- 40- 2	SIGN SINGLE POST (12 - 25)	AS	4.000	0.000	4.000
	10700- 46- 11	SIGN EXISTING (REMOVAL) (SINGLE POST)	AS	8.000	0.000	8.000
	10700- 48- 18	SIGN PANELS (F & I) (15 OR <)	EA	46.000	0.000	46.000
	10700- 48- 60	SIGN PANELS (REMOVE)	EA	10.000	0.000	10.000
	10705- 71-	DELINEATOR TUBULAR (FLEXIBLE)	EA	44.000	0.000	44.000
	10710- 90-	PAINTED PAVEMENT MARKINGS(FINAL SURFACE)	LS	1.000	0.000	1.000

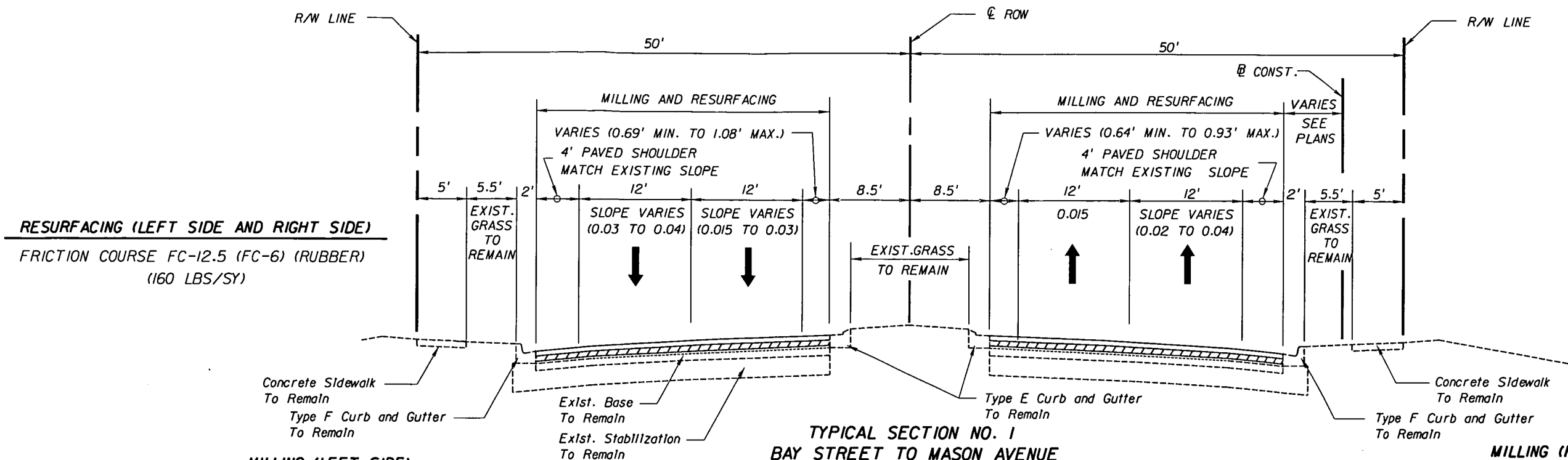
FLORIDA DEPARTMENT OF TRANSPORTATION

REVISIONS						SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	
						2A



DRMP
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SUMMARY OF PAY ITEMS
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 5	VOLUSIA	411777-1-52-01	



TYPICAL SECTION NO. 1
BAY STREET TO MASON AVENUE
STA. 8+54.00 TO STA. 71+08.60

RESURFACING (LEFT SIDE AND RIGHT SIDE)
 FRICTION COURSE FC-12.5 (FC-6) (RUBBER)
 (160 LBS/SY)

MILLING (LEFT SIDE)
 MILL EXISTING ASPHALT PAVT.
 STA. 8+54 TO STA. 21+92 (1.25 IN AVG. DEPTH)
 STA. 21+92 TO STA. 70+68.28 (1.5 IN AVG. DEPTH)

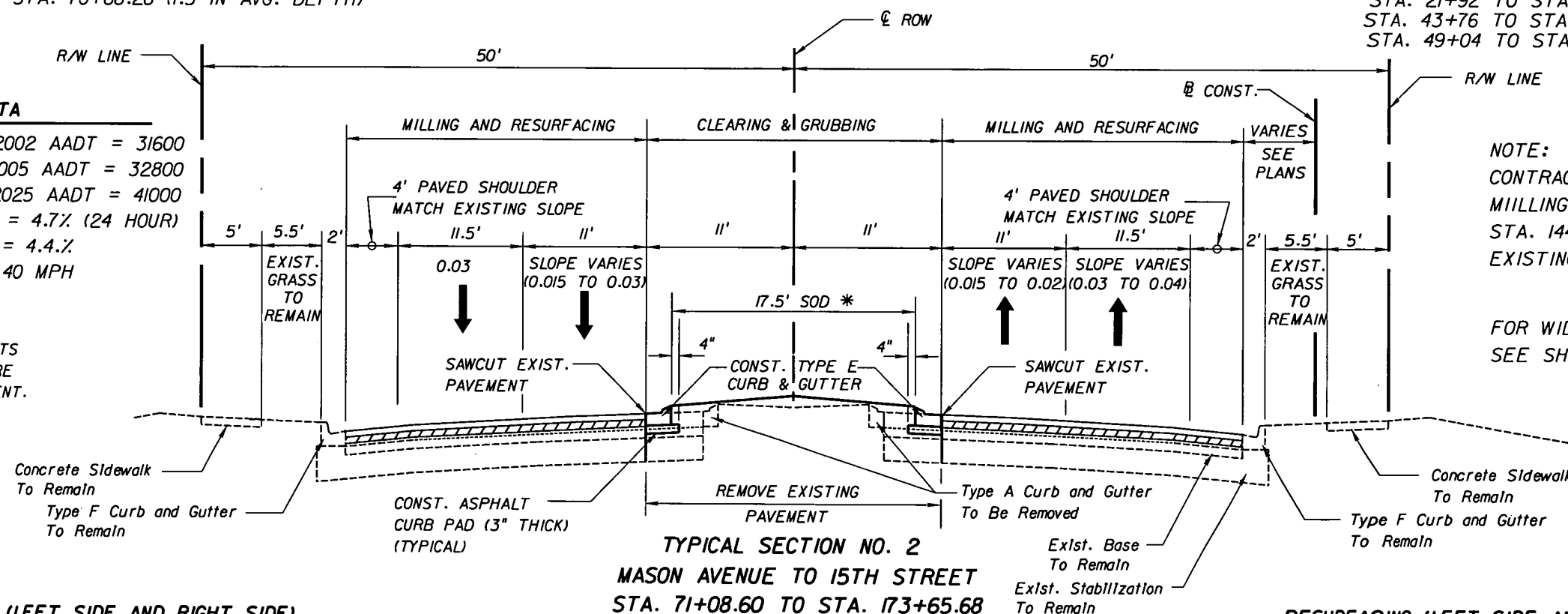
MILLING (RIGHT SIDE)
 MILL EXISTING ASPHALT PAVT.
 STA. 8+54 TO STA. 17+36 (1.5 IN AVG. DEPTH)
 STA. 17+36 TO STA. 21+92 (1.75 IN AVG. DEPTH)
 STA. 21+92 TO STA. 43+76 (1.5 IN AVG. DEPTH)
 STA. 43+76 TO STA. 49+04 (2.5 IN AVG. DEPTH)
 STA. 49+04 TO STA. 68+00 (1.5 IN AVG. DEPTH)

TRAFFIC DATA
 CURRENT YEAR ESTIMATE = 2002 AADT = 31600
 OPENING YEAR ESTIMATE = 2005 AADT = 32800
 DESIGN YEAR ESTIMATE = 2025 AADT = 41000
 K = 10.55% D = 54.6% T = 4.7% (24 HOUR)
 DESIGN HOUR T = 4.4%
 DESIGN SPEED = 40 MPH

* CONTRACTOR SHALL SOD TO LIMITS
 OF EXISTING LANDSCAPING WHERE
 EXISTING LANDSCAPING IS PRESENT.

NOTE:
 CONTRACTOR SHALL USE CAUTION
 MILLING FROM STA. 144+11.05 TO
 STA. 144+54.35 AS NOT TO DAMAGE
 EXISTING BRIDGE DECK.

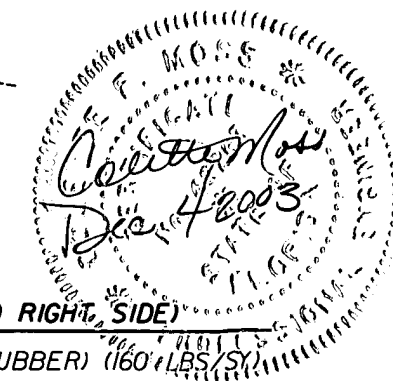
FOR WIDENING DETAIL
 SEE SHEET NO. 4



TYPICAL SECTION NO. 2
MASON AVENUE TO 15TH STREET
STA. 71+08.60 TO STA. 173+65.68

MILLING (LEFT SIDE AND RIGHT SIDE)
 MILL EXISTING ASPHALT PAVEMENT
 STA. 68+00 TO STA. 176+64 (1.5 IN AVG. DEPTH)

RESURFACING (LEFT SIDE AND RIGHT SIDE)
 FRICTION COURSE FC-12.5 (FC-6) (RUBBER) (160 LBS/SY)



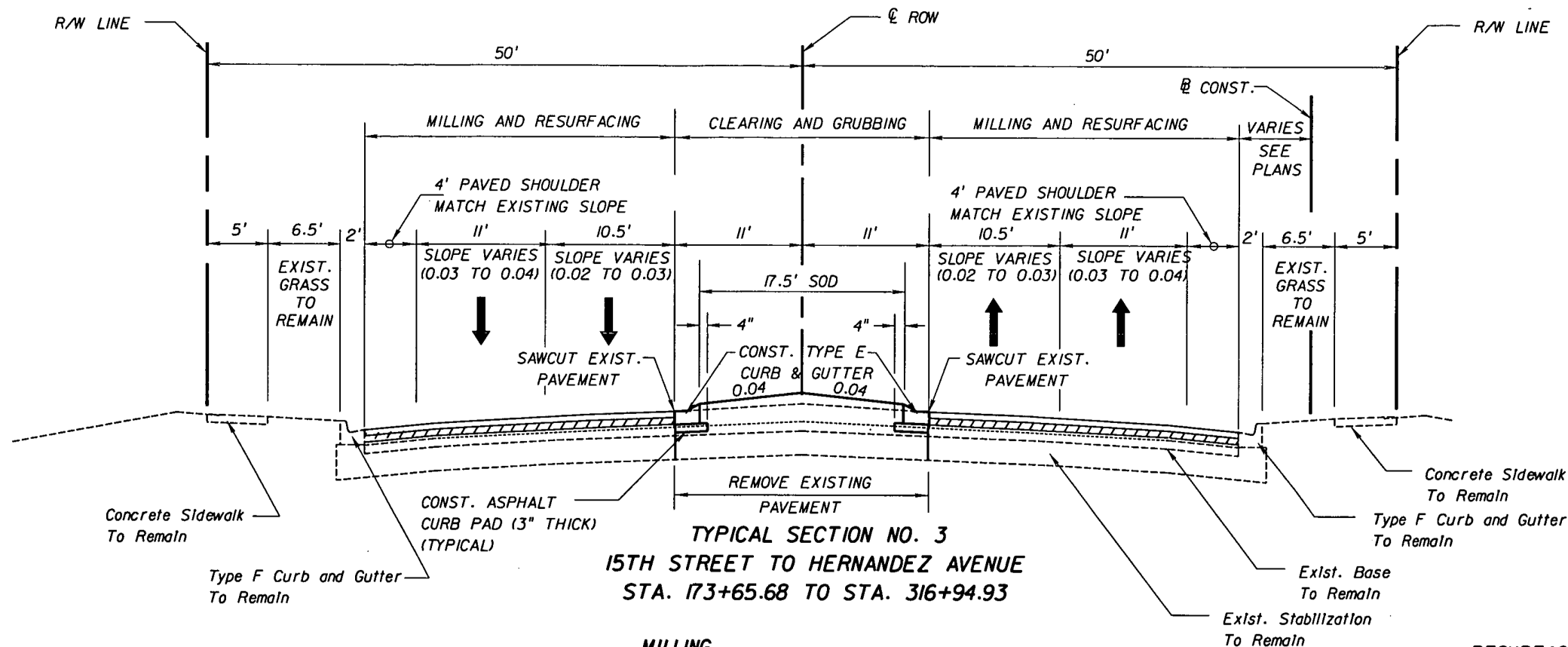
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

TYPICAL SECTIONS

SHEET
NO.
3

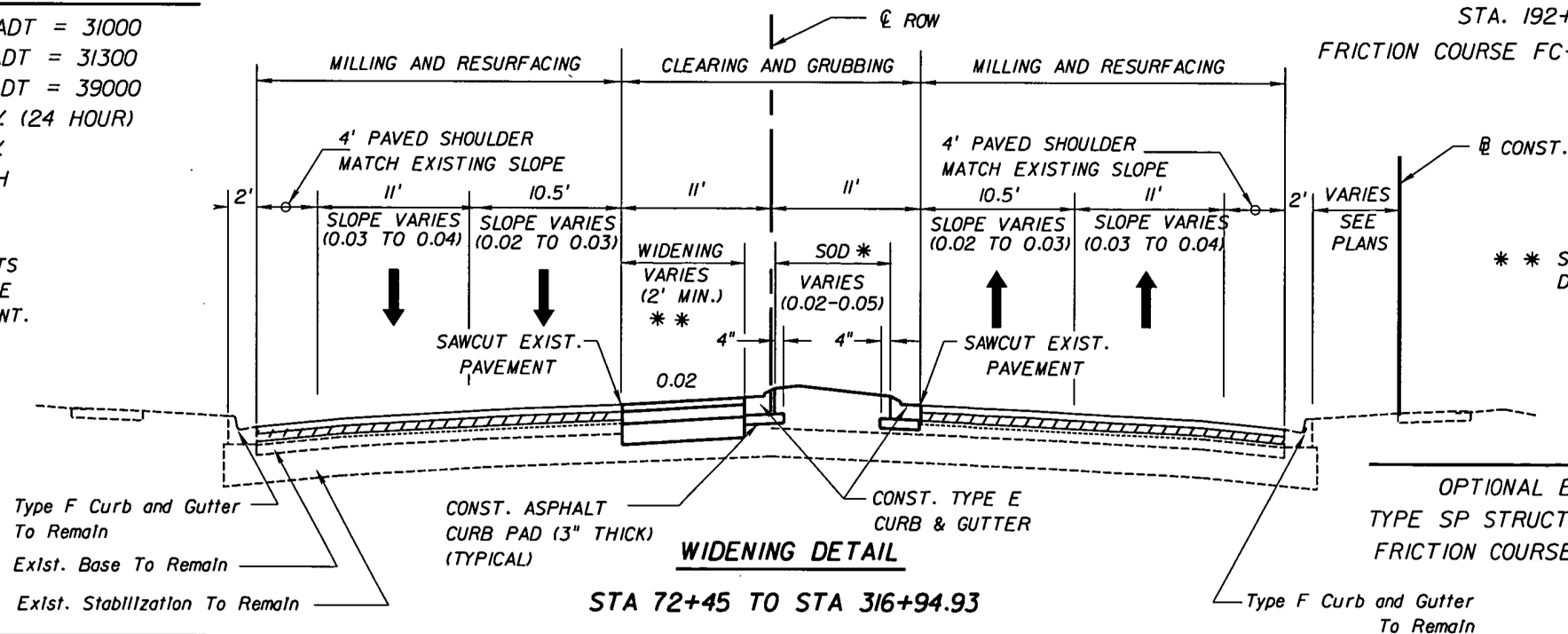


TRAFFIC DATA

CURRENT YEAR ESTIMATE = 2002 AADT = 31000
 OPENING YEAR ESTIMATE = 2005 AADT = 31300
 DESIGN YEAR ESTIMATE = 2025 AADT = 39000
 K = 10.55% D = 54.6% T = 4.7% (24 HOUR)
 DESIGN HOUR T = 4.4%
 DESIGN SPEED = 40 MPH

* CONTRACTOR SHALL SOD TO LIMITS OF EXISTING LANDSCAPING WHERE EXISTING LANDSCAPING IS PRESENT.

MILL EXISTING ASPHALT PAVT.
 STA. 171+64 TO STA. 192+76 (3 IN AVG. DEPTH)
 STA. 192+76 TO STA. 316+94.93 (1.5 IN AVG. DEPTH)



RESURFACING

STA 171+64 TO STA. 192+76
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (150 LBS/SY)
 FRICTION COURSE FC-12.5 (FC-6) (RUBBER) (160 LBS/SY)
 STA. 192+76 TO STA. 316+94.93
 FRICTION COURSE FC-12.5 (FC-6) (RUBBER) (160 LBS/SY)

WIDENING

OPTIONAL BASE GROUP 9 (TYPE B-12.5) ONLY
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (300 LBS/SY)
 FRICTION COURSE FC-12.5 (FC-6) (RUBBER) (160 LBS/SY)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

TYPICAL SECTIONS

SHEET NO.

4

Roadway - As-Built Pavement Data (LIMS)					
Date 10-04-04		Page No. of		LIMS ID 0600019599	
Project ID: 411777-1-52-01	Pay Item No: 2-101-1	Material ID: PROABS			
Level of Testing: V	Material ID (On Spec): PROABS	Sample Level: V	Manfr or Prod: PCS Paving		
Destination LabID:	Date Sampled: 12-01-05	Sample No.: 0002V	Sta. From: 173+65.62		
Sta. To: 316+94.43	Sampled By: P52543167	Unit of Measure: TN	Plant No.: A0721		
Design Mix No.: SP03-2737A		Intended Use: Mainline			

Pavement Information (Enter Only New Pavement Layers - Start With First Pavement Layer Placed)					
Milling Depth	Layer Number	Subgrade (if new)	Base (if new)	2	
	Layer Code				
		n/A	SP125C	FC 125C	
1.5	Approx. Thickness in./mm		1.75 in	1.75 in	

Layer Number	3	4	5	6	7
Layer Code					
Approx. Thickness in./mm					

Remarks: Structural asphalt placed from 173 +65.68 to 192+76
on 10-04-04 and 10-05-04. (P)
Structural placed from 218+50 to 220+20 on 9/28/05
and 9/29/05

Roadway - As-Built Pavement Data (LIMS)					
Date 10-04-04		Page No. of		LIMS ID 0600019603	
Project ID: 411777-1-52-01	Pay Item No: 2-337-7-6	Material ID: PROABS			
Level of Testing: V	Material ID (On Spec): PROABS	Sample Level: V	Manfr or Prod: PCS Paving		
Destination LabID:	Date Sampled: 11/22/05	Sample No.: 0001V	Sta. From: 71+08.62		
Sta. To: 173+65.68	Sampled By: P52543167	Unit of Measure: TN	Plant No.: A0721		
Design Mix No.: SP03-2737A		Intended Use: R2, R1, L1, L2			

Pavement Information (Enter Only New Pavement Layers - Start With First Pavement Layer Placed)					
Milling Depth	Layer Number	Subgrade (if new)	Base (if new)	1	2
	Layer Code				
		n/A	n/A	SP125C	FC 125C
1.5	Approx. Thickness in./mm			1.75 in	1.75 in

Layer Number	3	4	5	6	7
Layer Code					
Approx. Thickness in./mm					

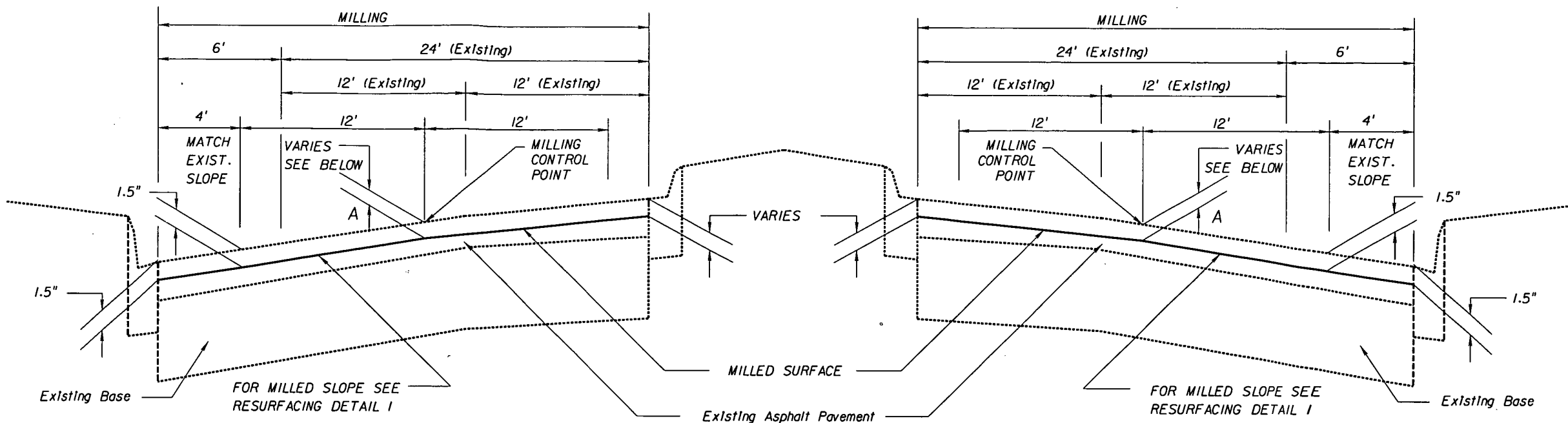
Remarks: Structural placed from 171+64 to 173+65.68 on
10-04/04 and 10/05/04.

Roadway - As-Built Pavement Data (LIMS)			
Date 10/20/05		Page No. of	LIMS ID 000019604
Project ID: 411777-1-52-01	Pay Item No: 2337-7-6 10/20/05	Material ID: PROABS	
Level of Testing: V	Material ID (On Spec): PROABS 1230	Sample Level: V	Manfr or Prod: P&S Paving
Destination LabID:	Date Sampled: 11/16/05	Sample No.: 0003V	Sta. From: 8+54
Sta. To: 71+08.60	Sampled By: PS25 43167	Unit of Measure TN	Plant No.: 40721
Design Mix No: SP03-2737A		Intended Use R2, R1, L1, L2	

Pavement Information (Enter Only New Pavement Layers - Start With First Pavement Layer Placed)					
Milling Depth	Layer Number	Subgrade (if new)	Base (if new)	1	2
	Layer Code	n/a	n/a	FL R5C	
1.5 In	Approx. Thickness in./mm			1.75 In	

Layer Number	3	4	5	6	7
Layer Code					
Approx. Thickness in./mm					

Remarks:

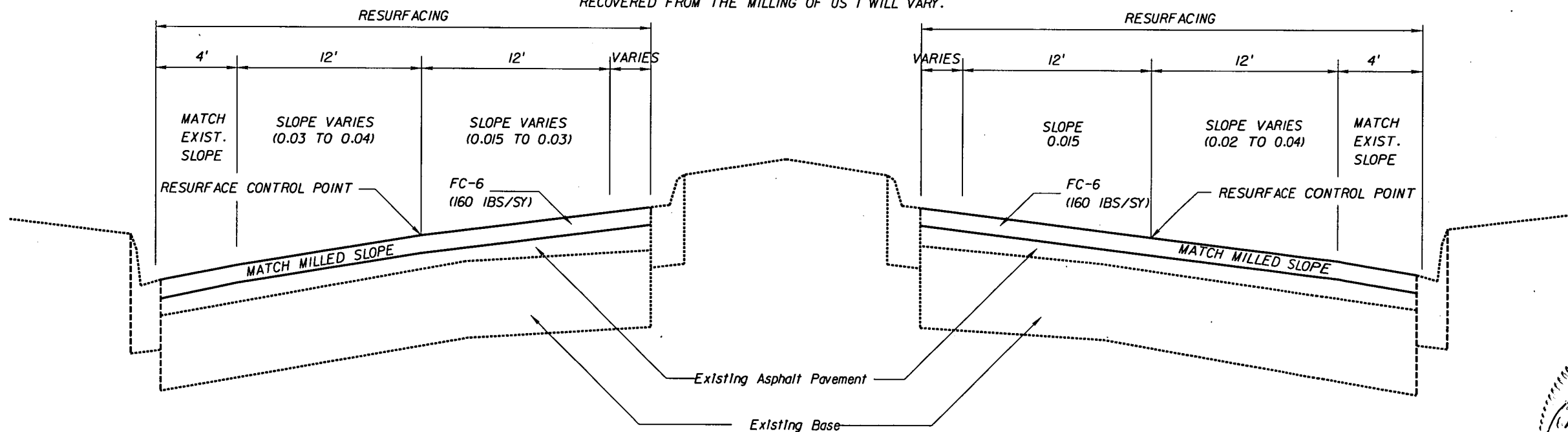


MILLING (LEFT SIDE)	A
STA. 8+54 TO STA. 21+92 (1.25 IN AVG. DEPTH)	1"
STA. 21+92 TO STA. 68+00 (1.5 IN AVG. DEPTH)	1.5"

MILLING DETAIL NO. 1 STA. 8+54 TO STA. 68+00

NOTE: THE CONTRACTOR SHALL BE ALERTED TO THE FACT THAT THE CONSISTENCY OF THE ASPHALT VARIES THUS THE RAP, RECOVERED FROM THE MILLING OF US 1 WILL VARY.

MILLING (RIGHT SIDE)	A
STA. 8+54 TO STA. 17+36 (1.5 IN AVG. DEPTH)	1.5"
STA. 17+36 TO STA. 21+92 (1.75 IN AVG. DEPTH)	2"
STA. 21+92 TO STA. 43+76 (1.5 IN AVG. DEPTH)	1.5"
STA. 43+76 TO STA. 49+04 (2.5 IN AVG. DEPTH)	3.5"
STA. 49+04 TO STA. 68+00 (1.5 IN AVG. DEPTH)	1.5"



RESURFACING DETAIL NO. 1 STA. 8+54 TO STA. 68+00

RESURFACING DETAIL (LEFT AND RIGHT SIDE)
FROM STA 8+54 TO STA 68+00
1.5" FRICTION COURSE FC 12.5 (FC-6)



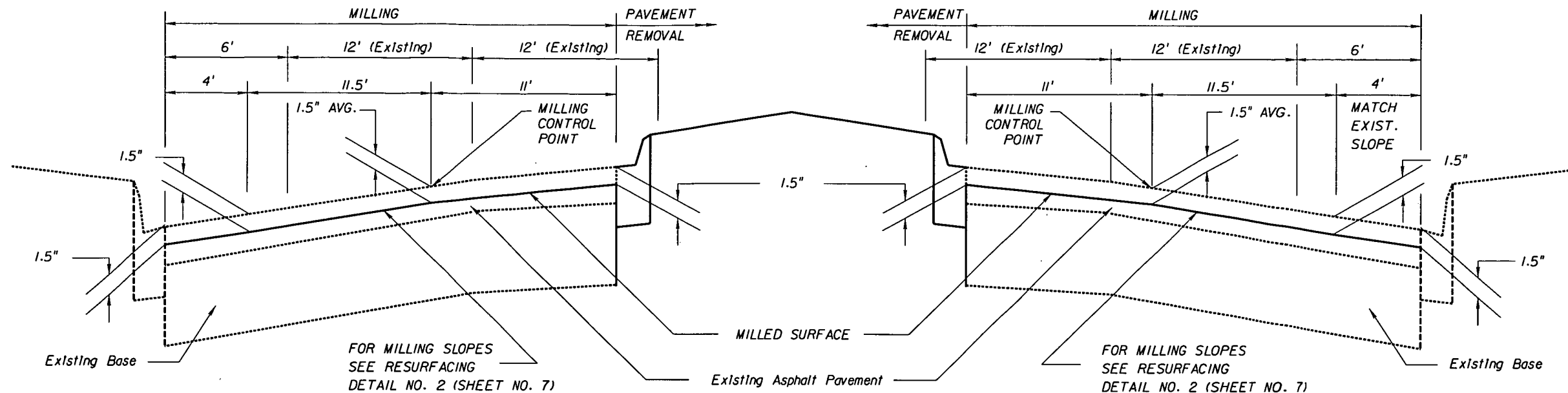
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

TYPICAL SECTION DETAILS

SHEET
NO.
5

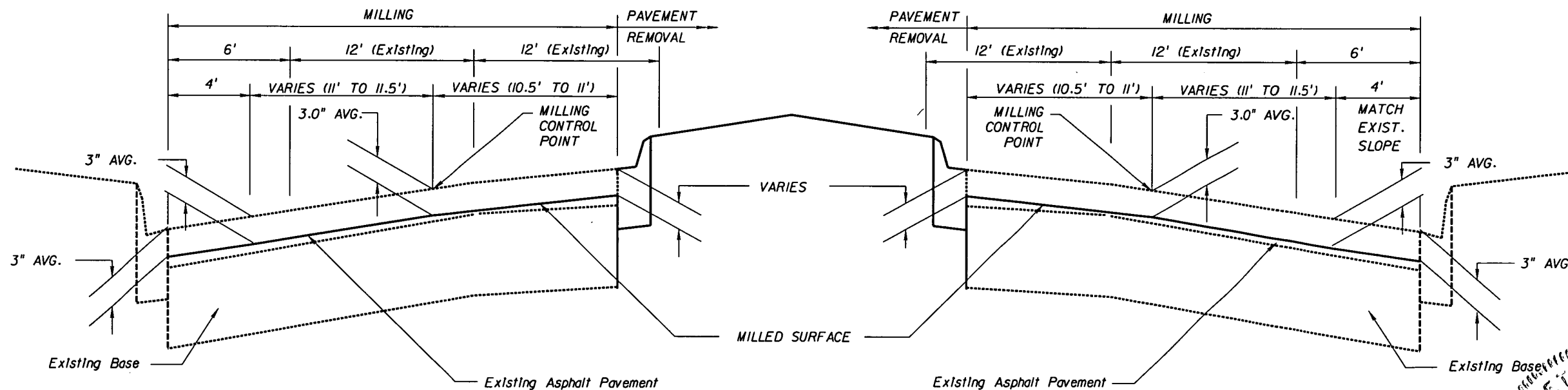


MILLING (LEFT SIDE)
STA. 68+00 TO STA. 171+64 (1.5 INCH AVG. DEPTH)

MILLING DETAIL NO. 2 STA. 68+00 TO STA. 171+64

MILLING (RIGHT SIDE)
STA. 68+00 TO STA. 171+64 (1.5 INCH AVG. DEPTH)

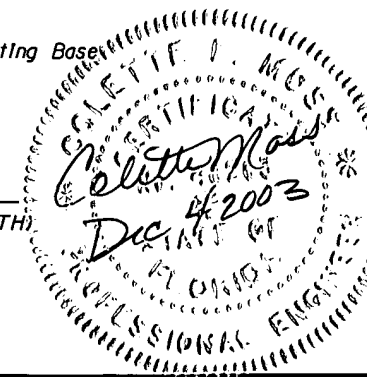
NOTE: THE CONTRACTOR SHALL BE ALERTED TO THE FACT THAT THE CONSISTENCY OF THE ASPHALT VARIES THUS THE RAP, RECOVERED FROM THE MILLING OF US 1 WILL VARY.



MILLING (LEFT SIDE)
STA. 171+64 TO STA. 192+76 (3 INCH AVG. DEPTH)

MILLING DETAIL NO. 3 STA. 171+64 TO STA. 192+76

MILLING (RIGHT SIDE)
STA. 171+64 TO STA. 192+76 (3 INCH AVG. DEPTH)



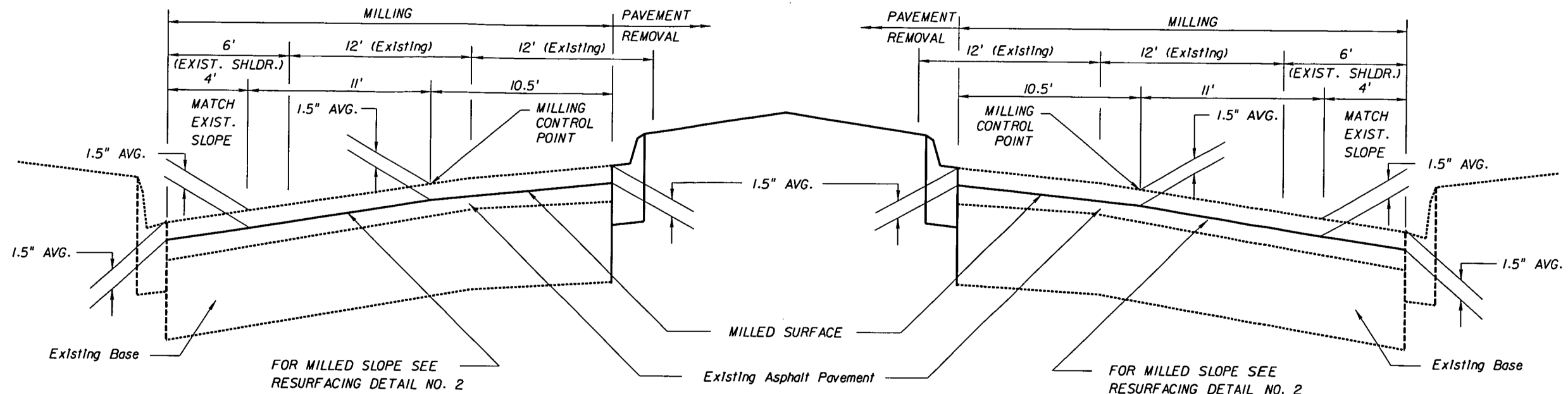
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

TYPICAL SECTION DETAILS

SHEET
NO.
6



MILLING (LEFT SIDE)

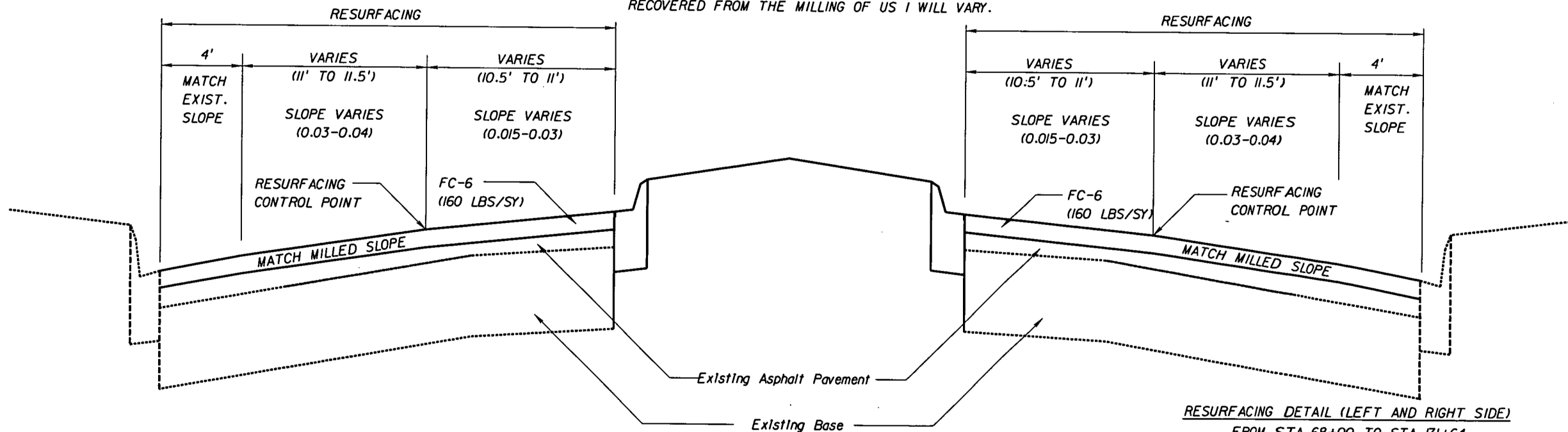
STA. 192+76 TO STA. 316+94.93 (1.5 INCH AVG. DEPTH)

MILLING DETAIL NO. 4 STA. 192+76 TO STA. 316+94.93

NOTE: THE CONTRACTOR SHALL BE ALERTED TO THE FACT THAT THE CONSISTENCY OF THE ASPHALT VARIES THUS THE RAP, RECOVERED FROM THE MILLING OF US 1 WILL VARY.

MILLING (RIGHT SIDE)

STA. 192+76 TO STA. 316+94.93 (1.5 INCH AVG. DEPTH)



RESURFACING DETAIL NO. 2 STA. 68+00 TO STA. 171+64 STA. 171+64 TO STA. 316+94.93

RESURFACING DETAIL (LEFT AND RIGHT SIDE)

FROM STA 68+00 TO STA 171+64
1.5" FRICTION COURSE FC 12.5 (FC-6)

FROM STA 171+64 TO STA 192+76
RESURFACE WITH 1.5" TYPE SP (LEVEL C) AND
1.5" FRICTION COURSE FC 12.5 (FC-6) (RUBBER)

FROM STA 192+76 TO STA 316+94.93
1.5" FRICTION COURSE FC 12.5 (FC-6)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

TYPICAL SECTION DETAILS

GENERAL NOTES:

1. ANY PUBLIC LAND CORNER 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 PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
2. ALL STAKING OF PROPOSED CONSTRUCTION TO ALLOW FOR PROPER INSTALLATION/RELOCATION OF UTILITY FACILITIES, AS INDICATED ON THE UTILITY RELOCATION SCHEDULES, SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE IMPACTED UTILITIES AND STAKE THE ITEMS REQUESTED. THE COST OF THIS STAKING SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE PROJECT.

3. UTILITIES OWNERS:

THE FOLLOWING UTILITY OWNERS HAVE FACILITIES WITHIN THE PROJECT LIMITS.

COMPANY	TELEPHONE NUMBERS
CITY OF DAYTONA BEACH (WATER & SEWER)	(386) 671-8610
CITY OF ORMOND BEACH (WATER)	(386) 676-3591
TECO PEOPLES GAS	(386) 671-2234
FLORIDA POWER & LIGHT (DISTRIBUTION)	386-322-3417
BELLSOUTH TELECOMMUNICATIONS, INC	(386) 673-0288
BRIGHTHOUSE NETWORK	(386) 775-4444

THE FOLLOWING UTILITY OWNERS HAVE FACILITIES WITHIN THE PROJECT LIMITS. IT HAS BEEN DETERMINED THAT NO RELOCATION IS ANTICIPATED BY THE FOLLOWING COMPANIES FOR THIS PROJECT.

COMPANY	TELEPHONE NUMBERS
CITY OF HOLLY HILL (WATER & SEWER)	(386) 248-9463
SPRINT (LONG DISTANCE)	(407) 932-1560
AT&T, CORP.	(407) 294-3005
MCI	(407) 841-4226
KMC TELECOM	(686) 985-6148

5. THE CONTRACTOR SHALL NOT ALLOW ANY ASPHALT OR LIMEROCK SPOILS TO BE SWEEPED ONTO UNPAVED SHOULDER AREAS.
6. CONTRACTOR SHALL REMOVE BURIED OUT OF SERVICE UTILITY LINES WITHIN THE LIMITS OF ALL EXCAVATION. THE COST OF THIS WORK SHALL BE INCIDENTAL TO AND INCLUDED IN THE COST OF THE WORK BEING PERFORMED WHEN THE LINES ARE ENCOUNTERED.
7. CONTRACTOR SHALL COORDINATE WITH THE FDOT ENGINEER PRIOR TO CONSTRUCTION AT SIDESTEET INTERSECTIONS. PARABOLIC CROWNS EXIST AT SOME INTERSECTIONS AND CONSTRUCTION WORK AT THESE INTERSECTIONS MUST BE EVALUATED ON A CASE PER CASE BASIS.
8. TOPOGRAPHY SHOWN IS APPROXIMATE ONLY AND NOT PHYSICALLY SURVEYED.

9. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.

10. THE CONTRACTOR SHALL EXERCISE CAUTION AT THE APPROACH SLABS AND BRIDGE DURING MILLING AND RESURFACING OPERATIONS IN ORDER TO AVOID DAMAGE.

11. ALL BASE EXPOSED DURING CONSTRUCTION SHALL REQUIRE A PRIME COAT COVER PRIOR TO PAVING.

12. ALL PIPE JOINTS SHALL BE WRAPPED IN ACCORDANCE WITH INDEX 280 AND SPECIFICATION 430 WITH FILTER FABRIC JACKET MEETING THE REQUIREMENTS OF INDEX 199, TYPE D-3 WITH AN A.O.S. (SIEVE NUMBER) OF 70 TO 100.

13. THE CONTRACTOR SHALL PLACE BLUE RPM'S 6" INSIDE THE CENTERLINE OR INSIDE LANE LINE OF THE INNERMOST THRU LANE ON THE SIDE OF THE ROAD NEAREST TO FIRE HYDRANTS AT ALL LOCATIONS WITHIN THE CONSTRUCTION LIMITS.

14. ALL MILLED AREAS WILL BE COVERED WITH TYPE SP THE SAME DAY THAT MILLING OCCURS.

15. WITHIN THE CITY OF HOLLY HILL, THE CONTRACTOR SHALL CONTACT MILTON L. HALLMAN AT THE CITY OF HOLLY HILL DEPARTMENT OF PUBLIC WORKS (386-248-9463), AT LEAST 2 WEEKS IN ADVANCE OF ANY MEDIAN RECONSTRUCTION WORK THAT WOULD IMPACT THE EXISTING IRRIGATION OR LANDSCAPING. THE CITY OF HOLLY HILL WILL ADJUST AND/OR RELOCATE ANY EXISTING IRRIGATION OR LANDSCAPING AS NEEDED PRIOR TO CONTRACTORS' CONSTRUCTION WORK.

PAY ITEM FOOTNOTES:

101-	1	INCLUDES THE COST OF ENVIRONMENTAL MONITORING.
104-	4	BASED ON A 28 DAY MOWING CYCLE. INCLUDES LITTER PICK UP PRIOR TO MOWING.
327-	70-6	INCLUDES THE COST OF VERIFICATION OF ASPHALT DEPTH ON EXISTING BRIDGE PRIOR TO MILLING OPERATION.
334-	1-13	INCLUDES 36 TONS OF TYPE SP-LEVELING COURSE TO BE USED AT SIDE STEET CONNECTIONS.
339-	1	INCLUDES 181.5 TONS FOR 3" ASPHALT CURB PAD
400-	1- 15	INCLUDES 5 CY FOR MISCELLANEOUS CONSTRUCTION, AS DIRECTED BY THE ENGINEER AND INCLUDES THE COST OF REINFORCING STEEL FOR STEP CONSTRUCTION.
570-	5	BASED ON 1 APPLICATION.
710-	90	THE TOTALS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

TRAFFIC CONTROL PLANS

TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS, INDEX 600 SERIES.

NO LANE CLOSURES 7:00 AM TO 7:00 PM. A LANE MAY BE CLOSED ONLY DURING ACTIVE WORK PERIODS.

TEMPORARY BARRIER WALL AND ATTENUATORS TO BE PLACED IN ACCORDANCE WITH FDOT INDEX NO. 600.

WORK ZONE SPEED LIMIT SHALL BE THE SAME AS THE EXISTING POSTED SPEED..

VOID

VOID

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

GENERAL NOTES

SHEET NO.

8

VOID

- VOID
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 16. THE CONTRACTOR IS ALERTED TO THE FACT THAT EXISTING UNDERGROUND ASBESTOS CONCRETE WATER AND SEWER PIPES EXIST ALONG THE PROJECT CORRIDOR BETWEEN STATION 66+00 AND STATION 316+94.93. NO VIBRATORY ROLLING WILL BE PERMITTED WITHIN THESE PROJECT LIMITS.

1000

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- TEMPORARY BARRIER WALL AND ATTENUATORS TO BE PLACED IN ACCORDANCE WITH FDOT INDEX NO. 600.
- WORK ZONE SPEED LIMIT SHALL BE THE SAME AS THE EXISTING POSTED SPEED..

 **DRMP**
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594 CERT. OF AUTH. # 2648
LETTE MOSS P.E. LICENSE NO. 48263

GENERAL NOTES

SHEET
NO.

8

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PAY ITEM FOOTNOTES:

- 101- 1 INCLUDES THE COST OF ENVIRONMENTAL MONITORING.
- 104- 4 BASED ON A 28 DAY MOWING CYCLE. INCLUDES LITTER PICK UP PRIOR TO MOWING.
- 327- 70-6 INCLUDES THE COST OF VERIFICATION OF ASPHALT DEPTH ON EXISTING BRIDGE PRIOR TO MILLING OPERATION.
- 334- 1-13 INCLUDES 36 TONS OF TYPE SP LEVELING COURSE TO BE USED AT SIDE STEET CONNECTIONS.
- 339-1 INCLUDES 2178.4 TONS FOR ASPHALT CURB PAD
- 400- 1- 15 INCLUDES 5 CY FOR MISCELLANEOUS CONSTRUCTION, AS DIRECTED BY THE ENGINEER AND INCLUDES THE COST OF REINFORCING STEEL FOR STEP CONSTRUCTION.
- 570- 5 BASED ON 1 APPLICATION.
- 710-90 THE TOTALS SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS ARE FOR PAINTED PAVEMENT MARKINGS USED FOR MAINTENANCE OF TRAFFIC.

TRAFFIC CONTROL PLANS

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- NO LANE CLOSURES 7:00 AM TO 7:00 PM. A LANE MAY BE CLOSED ONLY DURING ACTIVE WORK PERIODS.
- TEMPORARY BARRIER WALL AND ATTENUATORS TO BE PLACED IN ACCORDANCE WITH FDOT INDEX NO. 600.
- WORK ZONE SPEED LIMIT SHALL BE THE SAME AS THE EXISTING POSTED SPEED..

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
2/12/04	cfm	ADDED NOTE 16			
3/22/04	cfm	REVISED PAY ITEM 339-1 FOOTNOTE			



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	41777-1-52-01

GENERAL NOTES

SHEET NO.
8

SIGNING AND PAVEMENT MARKING GENERAL NOTES:

1. ALL REMOVED SIGNS BECOME THE PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF PROPERLY UNLESS OTHERWISE NOTED ON THE PLANS.
2. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
3. THE PLANS WERE SURVEYED USING HAND INSTRUMENTS. THEREFORE, THE SCALE MAY BECOME MORE INACCURATE OVER LONGER DISTANCES. THEREFORE, THE SCALE SHOULD BE USED TO DISTINGUISH SHORT DISTANCES BETWEEN FIXED POINTS.
4. FOR DESIGN OF THE R3-5R SIGN (RIGHT TURN ONLY), SEE SHEET 45.
5. ALL SPECIAL EMPHASIS CROSSWALKS SHALL BE 10 LF WIDE UNLESS OTHERWISE SHOWN ON THE PLANS.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RECORD AND REPLACE THE EXISTING PAVEMENT MARKINGS AND DELINEATORS UNLESS OTHERWISE NOTED IN THE PLANS.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND REPLACE ALL EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS. IF SIGNS ARE DAMAGED BY THE CONTRACTOR, THE SIGNS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
8. ALL EXISTING CURB AND GUTTER AND CONCRETE TRAFFIC SEPARATORS SHALL REMAIN UNLESS OTHERWISE NOTED.
9. SCHOOL CROSSING SIGNS (SI-1, W16-7, W16-9P) SHALL BE STRONG YELLOW GREEN.
10. ANY NEW OR EXISTING STRIPING CUT BECAUSE OF LOOP PLACEMENT SHALL BE RE-STRIPED PRIOR TO ACCEPTANCE.
11. NOSE PAINT SHALL BE APPLIED TO ALL CONCRETE MEDIAN NOSES. SEE DETAIL BELOW FOR MORE INFORMATION.
12. THE CONTRACTOR SHALL PLACE BLUE RPM'S 6" INSIDE THE CENTERLINE OR IN THE INSIDE LANE LINE OF THE INNER MOST THRU LANE ON THE SIDE OF THE ROAD NEAREST TO FIRE HYDRANTS AT ALL LOCATIONS WITHIN THE CONSTRUCTION LIMITS.

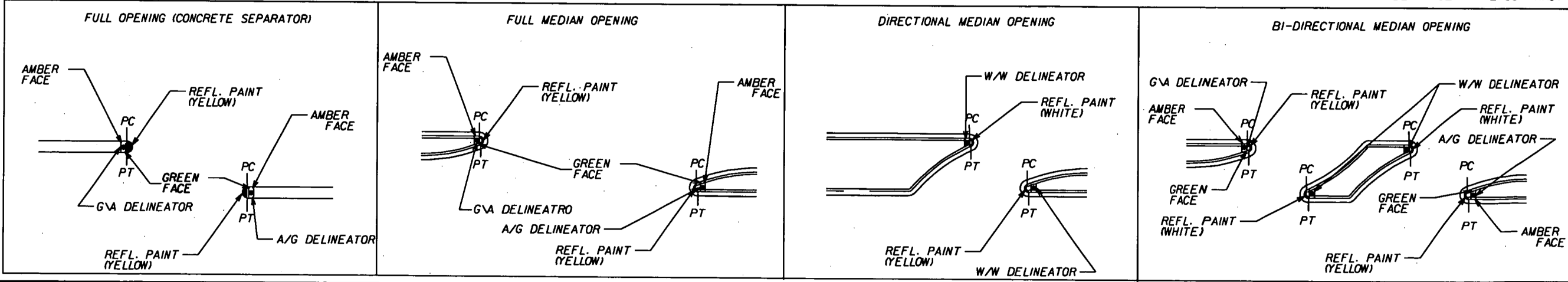
SIGNING AND PAVEMENT MARKING PAY ITEM NOTES:


1. PAY ITEM NUMBER 710-90 SHALL INCLUDE THE REMOVAL OF ALL DELINEATORS WITHIN THE CONSTRUCTION LIMITS.
2. PAY ITEM NUMBER 710-90 SHALL INCLUDE THE REMOVAL OF ALL RPM'S OUTSIDE OF THE MILLING LIMITS.
3. PAY ITEM NUMBER 710-90 SHALL INCLUDE BOTH THE THRU ARROW AND THE TURN ARROW AS 1 ARROW.
4. PAY ITEM NUMBER 700-40-1 IS TO INCLUDE RELOCATING THE STREET NAME SIGNS TO THE PROPOSED STOP SIGN ASSEMBLY USING A POST TOP SLIP FITTER. ALL ADDITIONAL COSTS FOR MOUNTING THE STREET NAME SIGNS, INCLUDING REDRILLING OF SIGNS, SHALL BE INCLUDED IN THE PAY ITEM.

James R. Delleur
12/3/03

NOSE PAINT AND DELINEATOR DETAILS

NOTE: NO DELINEATORS SHALL BE INSTALLED FROM BAY STREET TO MASON AVENUE. DELINEATORS WERE PREVIOUSLY INSTALLED UNDER A SEPARATE CONTRACT.

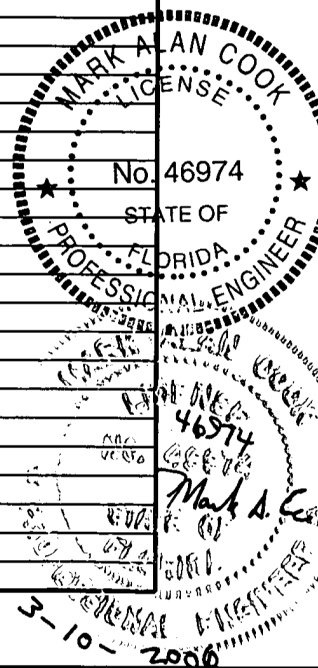


REVISIONS						 DRMP ENGINEERS, SURVEYORS, PLANNERS, SCIENTISTS DYER, RIDDLE, MILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 JAMES R. DELLEUR, P.E. LICENSE NO. 41290	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		GENERAL NOTES		SHEET NO. 9
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY			
							5	VOLUSIA			

SUMMARY OF SODDING

LOCATION			SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO	STA.		W	L	SY	W	L	SY	
71+08.60	TO	73+09.80	L.MED.	VARIES	201.20	244.2				
72+25.70	TO	74+70.00	R.MED.	2.00	244.30	54.3				
73+09.80	TO	75+83.20	L.MED.	2.70	273.40	82.0				
74+70.00	TO	75+09.60	R.MED.	3.20	39.60	14.1				
75+09.60	TO	75+83.20	R.MED.	2.15	73.60	17.6				
75+83.20	TO	76+91.30	MED.	5.50	108.10	66.1				
77+99.78	TO	78+21.51	MED.	VARIES	21.73	10.1				
76+91.26	TO	77+13.93	MED.	VARIES	22.67	10.2				
78+21.50	TO	79+35.30	MED.	5.50	113.80	69.5				
79+35.30	TO	79+85.30	L.MED.	3.10	50.00	17.2				
79+35.30	TO	81+00.20	R.MED.	2.70	164.90	49.5				
79+85.30	TO	80+17.90	L.MED.	4.60	32.60	16.7				
80+17.90	TO	82+29.30	L.MED.	2.70	211.40	63.4				
81+00.20	TO	82+29.30	R.MED.	15.00	129.10	215.2				
82+29.30	TO	82+90.61	MED.	17.40	61.31	118.5				
82+90.61	TO	83+90.13	R.MED.	6.30	99.52	69.7				
82+90.60	TO	84+99.80	L.MED.	2.40	209.20	55.8				
84+99.80	TO	86+19.90	MED.	5.50	120.10	73.4				
86+19.93	TO	86+41.83	MED.	VARIES	21.90	10.2				
87+30.45	TO	87+51.00	MED.	VARIES	20.55	9.7				
87+51.00	TO	88+49.68	MED.	5.50	98.68	60.3				
88+49.70	TO	88+65.50	L.MED.	2.00	15.80	3.5				
88+49.70	TO	90+92.00	R.MED.	4.40	242.30	118.5				
88+65.50	TO	88+99.70	L.MED.	5.75	34.20	21.9				
88+99.70	TO	89+52.90	L.MED.	4.95	53.20	29.3				
89+52.90	TO	92+12.40	L.MED.	2.40	259.50	69.2				
90+92.00	TO	91+36.80	R.MED.	6.15	44.80	30.6				
91+36.80	TO	91+57.00	R.MED.	11.00	20.20	24.7				
91+57.00	TO	92+12.34	R.MED.	12.15	55.34	74.7				
92+12.34	TO	92+70.03	MED.	19.70	57.69	126.3				
92+70.03	TO	93+28.49	L.MED.	12.50	58.46	81.2				
93+28.48	TO	94+02.39	L.MED.	7.45	73.91	61.2				
94+02.39	TO	96+36.71	L.MED.	2.40	234.32	62.5				
92+70.03	TO	95+86.72	R.MED.	2.40	316.69	84.5				
96+36.71	TO	97+46.00	MED.	5.50	109.29	66.8				
97+46.00	TO	97+67.73	MED.	VARIES	21.73	9.9				
97+87.54	TO	98+24.47	MED.	VARIES	36.93	9.6				
98+44.28	TO	98+66.00	MED.	VARIES	21.72	9.9				
98+66.00	TO	99+75.24	MED.	5.50	109.24	66.8				
100+16.01	TO	100+25.24	L.MED.	VARIES	9.23	1.2				
100+25.24	TO	101+61.90	L.MED.	3.18	136.66	48.3				
99+75.24	TO	101+61.90	MED.	3.20	186.66	66.4				
101+61.90	TO	101+81.77	MED.	VARIES	19.87	18.8				
101+81.77	TO	102+33.46	MED.	17.50	51.69	100.5				
102+33.46	TO	102+83.46	MED.	11.50	50.00	63.9				
102+83.46	TO	104+67.47	MED.	5.50	184.01	112.5				
104+67.47	TO	104+89.09	MED.	VARIES	21.62	9.9				
105+75.74	TO	105+97.35	MED.	VARIES	21.61	10.0				
105+97.35	TO	107+06.10	MED.	5.50	108.75	66.5				
107+06.10	TO	108+12.39	L.MED.	VARIES	106.29	53.5				
107+06.10	TO	110+48.87	R.MED.	3.25	342.77	123.8				
108+12.39	TO	111+65.17	L.MED.	3.17	352.78	124.3				
110+48.87	TO	110+89.60	R.MED.	5.70	40.73	25.8				
110+89.60	TO	111+16.55	R.MED.	10.98	26.95	32.9				

Bahia Sod 16126.0
SEE BINDER NO. 3 for LAT & Depart Back-up Calculations
See Note below
* City of Holly Hill Milton Hallman
wants Bahia Sod put in median instead of St Augustine because they were going to install Sprinkler System later.



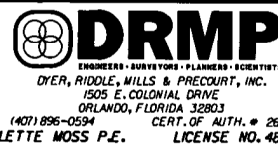
SUMMARY OF SODDING

LOCATION			SIDE	P			F			FIELD BOOK REFERENCE
STA.	TO	STA.		W	L	SY	W	L	SY	
111+16.55	TO	111+65.17	R.MED.	12.22	48.62	66.0				
111+65.17	TO	111+90.58	MED.	17.50	25.41	49.4				
111+90.58	TO	112+12.79	MED.	VARIES	22.21	20.4				
112+32.60	TO	112+54.32	MED.	VARIES	21.72	9.9				
112+54.32	TO	113+62.24	MED.	5.50	107.92	66.0				
113+62.24	TO	115+71.52	R.MED.	3.24	209.28	1.3				
114+12.24	TO	116+78.41	L.MED.	3.45	266.17	102.0				
115+71.52	TO	116+78.41	R.MED.	VARIES	106.89	51.6				
116+78.41	TO	117+87.25	MED.	VARIES	108.84	66.5				
117+87.25	TO	118+08.76	MED.	5.50	21.51	10.0				
118+95.22	TO	119+16.73	MED.	VARIES	21.51	10.0				
119+16.73	TO	120+25.56	MED.	5.50	108.83	66.5				
120+25.56	TO	121+26.87	L.MED.	VARIES	101.31	39.8				
121+26.87	TO	123+38.97	L.MED.	3.17	212.10	74.7				
120+25.56	TO	122+97.83	R.MED.	3.18	272.27	96.2				
123+38.97	TO	124+47.99	MED.	5.50	109.02	26.3				
124+47.99	TO	124+69.72	MED.	VARIES	21.73	9.8				
124+89.52	TO	125+26.47	MED.	VARIES	36.95	26.3				
125+46.26	TO	125+67.99	MED.	VARIES	21.73	9.9				
125+67.99	TO	126+77.00	MED.	5.50	109.01	66.6				
126+77.00	TO	129+53.94	R.MED.	3.06	276.94	94.2				
127+18.19	TO	129+95.67	L.MED.	3.18	277.48	98.0				
129+95.67	TO	131+03.76	MED.	5.50	108.09	66.1				
131+03.76	TO	131+26.42	MED.	VARIES	22.66	10.3				
132+10.19	TO	132+32.85	MED.	VARIES	22.66	10.3				
132+32.85	TO	133+40.93	MED.	5.50	108.08	66.0				
133+40.93	TO	136+09.28	R.MED.	3.30	268.35	98.4				
133+82.25	TO	136+50.61	L.MED.	3.10	268.36	92.4				
136+50.61	TO	137+59.62	MED.	5.50	109.01	66.6				
137+59.62	TO	137+81.34	MED.	VARIES	21.72	9.9				
138+57.89	TO	138+79.62	MED.	VARIES	21.73	9.9				
138+79.62	TO	139+88.64	MED.	5.5	109.02	66.6				
139+88.64	TO	142+43.01	R.MED.	3.28	254.37	92.7				
140+29.87	TO	142+83.70	L.MED.	3.25	253.83	91.7				
142+83.70	TO	144+26.79	MED.	5.50	143.09	87.4				
144+26.79	TO	144+49.45	MED.	VARIES	22.66	10.3				
145+42.23	TO	145+64.99	MED.	VARIES	22.76	10.3				
145+64.99	TO	146+72.01	MED.	5.50	107.02	65.4				
146+72.01	TO	149+32.79	R.MED.	3.19	260.78	92.4				
147+12.47	TO	149+75.48	L.MED.	3.50	263.01	102.3				
149+75.48	TO	150+83.40	MED.	5.50	107.92	66.0				
150+83.40	TO	151+05.12	MED.	VARIES	21.72	9.9				
151+24.93	TO	151+61.94	MED.	VARIES	37.01	26.3				
151+81.76	TO	152+03.46	MED.	VARIES	21.70	10.0				
152+03.46	TO	153+12.48	MED.	5.52	109.02	66.9				
153+12.48	TO	155+66.76	R.MED.	3.57	254.28	100.9				
153+51.75	TO	155+97.58	L.MED.	3.60	245.83	98.3				
155+97.58	TO	157+41.48	MED.	5.50	143.90	87.9				
157+41.48	TO	157+62.91	MED.	VARIES	21.43	10.0				
158+49.76	TO	158+71.38	MED.	VARIES	21.62	10.0				
158+71.38	TO	160+14.50	MED.	5.50	143.12	87.5				
160+14.15	TO	164+56.25	R.MED.	3.40	442.10	167.0				
160+46.93	TO	164+96.62	L.MED.	3.52	449.69	175.9				
164+96.62	TO	166+05.64	MED.	5.50	109.02	66.6				

SEE BINDER NO. 3
Back-up Calculations

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.

10

SUMMARY OF SODDING

LOCATION		SIDE	P			F			FIELD BOOK REFERENCE
			W	L	SY	W	L	SY	
166+05.64 TO 166+27.37		MED.	VARIES	21.73	9.9				See Note pg 10
166+47.17 TO 166+69.39		MED.	VARIES	22.22	20.4				
166+69.39 TO 167+51.02		MED.	17.50	81.63	158.7				
167+51.02 TO 168+24.93		L.MED.	VARIES	73.91	59.1				
167+51.02 TO 169+38.27		R.MED.	3.28	187.25	68.2				
168+24.93 TO 169+38.27		L.MED.	3.22	113.34	40.6				
169+38.27 TO 170+45.59		MED.	5.50	107.32	65.6				
170+45.59 TO 170+67.79		MED.	VARIES	22.20	10.1				
171+48.27 TO 183+35.59		MED.	VARIES	1187.32	1,773.1				
184+27.49 TO 194+48.91		MED.	VARIES	1021.42	1,389.3				
195+39.05 TO 207+02.07		MED.	VARIES	1163.02	1,691.5				
210+29.97 TO 215+15.98		MED.	VARIES	486.01	531.1				
215+39.52 TO 221+73.01		MED.	VARIES	633.49	999.9				
222+59.67 TO 229+81.96		MED.	VARIES	722.29	974.7				
229+94.11 TO 230+30.94		MED.	VARIES	36.83	24.0				
230+43.15 TO 236+78.69		MED.	VARIES	635.54	820.1				
237+71.84 TO 243+83.22		MED.	VARIES	611.38	961.4				
244+03.02 TO 250+02.88		MED.	VARIES	599.86	601.5				
250+92.51 TO 256+69.03		MED.	VARIES	576.52	743.4				
256+88.84 TO 263+14.73		MED.	VARIES	625.89	656.0				
264+10.29 TO 270+81.33		MED.	VARIES	671.04	745.8				
271+01.13 TO 278+28.12		MED.	VARIES	726.99	1,370.0				
278+49.64 TO 287+72.75		MED.	VARIES	923.11	1,374.7				
287+88.92 TO 289+62.80		MED.	VARIES	173.88	252.1				
298+30.96 TO 303+38.35		MED.	VARIES	507.39	619.8				
303+53.62 TO 307+26.64		MED.	VARIES	373.02	4,453.6				
308+03.99 TO 316+13.72		MED.	VARIES	809.73	934.3				
at LPGA Boulevard Guardrail location			8	69	61.3				
TOTALS				27,640		TOTALS			

SUMMARY OF EARTHWORK

DESCRIPTION	CY	
	P	F
FILL		
MEDIAN ISLAND LOCATIONS	17,467 C.Y.	
GUARDRAIL LOCATION	10 C.Y.	
FILL ADJUSTMENT (20%) (17,477 x 0.20)	+ 3,496 C.Y.	
FILL	20,973 C.Y.	
TRUCK ADJUSTMENT (25%) (20,973 x 0.25)	+ 5,244 C.Y.	
TOTAL BORROW EXCAVATION	26,217 C.Y.	26,217 C.Y.
		16,176 CY
		SEE COMP BK PAGE 16
		AND BINDER NO. 1

SUMMARY OF EROSION AND SEDIMENT CONTROLS

DESCRIPTION	CY	
	P	F
104-II FLOATING TURBIDITY BARRIER-		
ESTIMATED 55 LF EACH SIDE OF BRIDGE=110 LF	110 LF	400 LF ✓
104-13-I STAKED SILT FENCE TYPE III-		
ESTIMATED 70 LF AT GUARDRAIL LOCATION.	70 LF	130 LF ✓
104-16 ROCK BAGS-		
ESTIMATED 225 INLETS x 20 ROCK BAGS PER INLET= 4500 EA	4500 EA	0 ✓

SEE
Field Book
0001

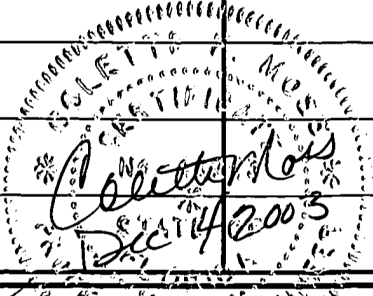
SUMMARY OF GUARDRAIL

LOCATION		GUARDRAIL (LF)								END ANCHORAGE ASSEMBLIES (EA)								REMARKS	FIELD BOOK REFERENCE		
STATION	SIDE	ROADWAY		THRIE BEAM		PEDESTRIAN SAFETY TREATMENT		RUBRAIL		FLARED		PARALLEL		TYPE II		BRIDGE					
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F				
FROM 143+18.12	RT	12.5	31			FROM		FROM						1	1				FB 0002		
TO 143+30.62						TO		TO													
FROM 144+47.09	RT	25	25			FROM		FROM													
TO 144+67.50						TO		TO												1	1
FROM 144+77.50	LT	25	7		38 _{SP}	FROM		FROM						1	1						
TO 145+02.50						TO		TO													
FROM BEGIN BRIDGE	RT			42	29	FROM		FROM									1	1			
TO 143+41.70						TO		TO													
FROM END BRIDGE	RT					FROM		FROM										1	1		
TO						TO		TO													
FROM END BRIDGE	LT			25	38	FROM		FROM										1	1		
TO 144+77.50						TO		TO													
TOTAL		63	63	67	67									3	3	3	3				

SECRET

NOV 14 2003

Collection



REVISIONS				REVISIONS			
DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION	



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

SUMMARY OF QUANTITIES

SHEET NO.
10A


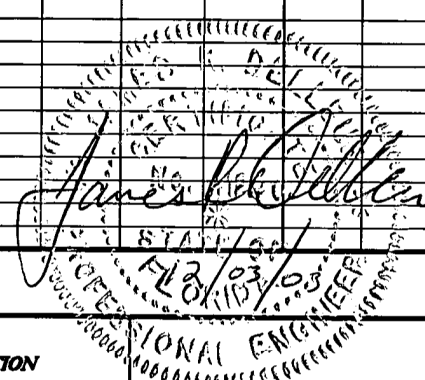
TABULATION OF QUANTITIES

FORM 625-000-02
ROADWAY DESIGN 01-2000

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			18		19		20		21		22		23		24		25		26		27						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	
700-40-1	SIGN SINGLE POST (LESS THAN 12)	AS																									
	R4-7		2	2	2	2	4	4			2	2	2	2	4	4			2	2	2	2	20	20			
	R3-2, R3-4																					1	1				
	R6-1, R5-1																					1	1				
	SI-1, WI6-7						2	2														1	1				
	SI-1, WI6-9P						2	2														2	2				
700-40-2	SIGN SINGLE POST (12-25)	AS																									
	R5-1, R6-1, R6-1, R5-1																1	1				1	1				
700-46-11	SIGN EXISTING (REMOVE) (SINGLE POST)	AS					4	4	5				1		1		1		2		1	4	10				
700-48-18	SIGN PANEL (15 OR LESS)	EA																									
	R3-5R												1	1	1	1	1	1	1	1	1	5	5				
	R6-3																										
700-48-60	SIGN PANEL (REMOVE)	EA											1	1	1	1	1	1	1	1	1	5	5				
705-71	TUBULAR DELINEATOR (FLEXIBLE)	EA																									
710-90	PAINTED PAVEMENT MARKINGS (FINAL SURFACE)	LS																									
*	RETRO-REFLECTIVE PAVEMENT MARKERS	EA																									
	COLORLESS-RED		86		86		82		73		69		113		70		69		70		77	795					
	AMBER-AMBER		4										4									8					
*	DIRECTIONAL ARROWS, PAINTED	EA	13		9		15		4		9		10		7		4		5		6	82					
*	PAVEMENT MESSAGES, PAINTED	EA																									
	SCHOOL						2															2					
*	REFLECTIVE PAINT (ISLAND NOSE) (WHITE)	SY	1		1				1								1				2	6					
*	REFLECTIVE PAINT (ISLAND NOSE) (YELLOW)	SY	3		3		4		1		2		2		2		1		1		2	21					
*	SKIP TRAFFIC STRIPE (WHITE) (10'-30')	GM	.296		.365		.289		.439		.361		.352		.321		.434		.370		.369	3.596					
*	SOLID TRAFFIC STRIPE (WHITE) (6")	NM	.437		.448		.473		.317		.398		.418		.447		.456		.455		.463	4.312					
*	SOLID TRAFFIC STRIPE (YELLOW) (6")	NM	.415		.413		.417		.420		.427		.425		.433		.415		.436		.423	4.224					
*	SOLID TRAFFIC STRIPE (WHITE) (8")	LF	85		85				86								169				82	507					
*	SOLID TRAFFIC STRIPE (WHITE) (12")	LF	670		800		1650				800		1300		1040				520		530	7310					
*	SOLID TRAFFIC STRIPE (WHITE) (18")	LF	41		18				16								10				5	90					
*	SOLID TRAFFIC STRIPE (WHITE) (24")	LF	185		118		342		49		165		193		231				120		129	1532					
*	SKIP TRAFFIC STRIPE (WHITE) (6'-10')	LF	60		126		96		84		48		72		60		60		84		54	744					
*	SKIP TRAFFIC STRIPE (YELLOW) (6'-10')	LF																									
*	SKIP TRAFFIC STRIPE (WHITE) (2'-4')	LF	30		96		124		116		106		88		66		16		48		42	732					

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* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90.
THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION SECTION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.


REVISIONS						 DRMP ENGINEERS, SURVEYORS, PLANNERS, SCIENTISTS DYER, RIDDLE, WILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 JAMES R. DELLEUR, P.E. LICENSE NO. 41290	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			 TABULATION OF QUANTITIES		SHEET NO. 11
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
							5	VOLUSIA	411777-1-52-01			

TABULATION OF QUANTITIES

FORM 625-000-02
ROADWAY DESIGN 01-2000

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET
			28		29		30		31		32		33		34		35		36		37						
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL			
700-40-1	SIGN SINGLE POST (LESS THAN 12)	AS																									
	R4-7																										
	R3-2, R3-4					2	2	1	1	1	1			2	2			2	2								
	R6-1, R5-1								1	1									1	1							
	SI-1, W16-7									2	2																
	SI-1, W16-9P							1	1	1	1																
700-40-2	SIGN SINGLE POST (12-25)	AS																									
	R5-1, R6-1, R6-1, R5-1		1	1				1	1		1										1	1					
700-46-11	SIGN EXISTING (REMOVE) (SINGLE POST)	AS		2		1	1	2	3	14	2		1		2												
700-48-18	SIGN PANEL (15 OR LESS)	EA																									
	R3-5R		1	1	2	2	1	1	3	3				1	1	3	3			2	2	2	2				
	R6-3													2	2			2	2	2	2						
700-48-60	SIGN PANEL (REMOVE)	EA	1	1	1	1	1	1	2	2																	
705-71	TUBULAR DELINEATOR (FLEXIBLE)	EA	6	-	2	-	4	-	2	-	2	-			2	1	2	1	3	3	6	6					
710-90	PAINTED PAVEMENT MARKINGS (FINAL SURFACE)	LS																									
*	RETRO-REFLECTIVE PAVEMENT MARKERS COLORLESS-RED AMBER-AMBER	EA																									
			91		97		83		70		66		75		66		103		65		82						
*	DIRECTIONAL ARROWS, PAINTED	EA	11		7		8		5		4		10		4		19		4		7						
*	PAVEMENT MESSAGES, PAINTED SCHOOL	EA						1	1																		
*	REFLECTIVE PAINT (ISLAND NOSE) (WHITE)	SY	1				2		1								1				2						
*	REFLECTIVE PAINT (ISLAND NOSE) (YELLOW)	SY	3		3		1		2		1		1		1		2		1		3						
*	SKIP TRAFFIC STRIPE (WHITE) (10'-30')	GM	.409		.379		.413		.383		.432		.365		.439		.359		.439		.432						
*	SOLID TRAFFIC STRIPE (WHITE) (6")	NM	.441		.469		.501		.420		.423		.515		.393		.603		.430		.403						
*	SOLID TRAFFIC STRIPE (YELLOW) (6")	NM	.386		.405		.416		.421		.396		.440		.404		.422		.406		.375						
*	SOLID TRAFFIC STRIPE (WHITE) (8")	LF	172		204		156		85								60				153						
*	SOLID TRAFFIC STRIPE (WHITE) (12")	LF			580				750								900										
*	SOLID TRAFFIC STRIPE (WHITE) (18")	LF	8		83		9		5				540				5										
*	SOLID TRAFFIC STRIPE (WHITE) (24")	LF	29		104		59		171		26		121		13		148		28		21						
*	SKIP TRAFFIC STRIPE (WHITE) (6'-10')	LF	120		90		120		72		48		60		60		90		60		90						
*	SKIP TRAFFIC STRIPE (YELLOW) (6'-10')	LF													78				72		84						
*	SKIP TRAFFIC STRIPE (WHITE) (2'-4')	LF	48		120		34		52				32		48		138		32		64						

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM - ITEM NO. 710-90.
THE QUANTITIES SHOWN ARE FOR ONE APPLICATION; SEE SPECIFICATION SECTION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

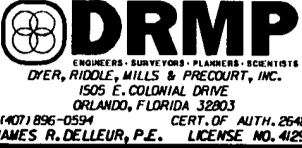
REVISIONS						 DRMP ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS DYER, RIDDLE, MILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 JAMES R. DELLEUR, P.E. LICENSE NO. 41290	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID		TABULATION OF QUANTITIES		SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY					
							5	VOLUSIA	411777-1-52-01	12			

TABULATION OF QUANTITIES

FORM 625-000-02
ROADWAY DESIGN 01-2000

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																				TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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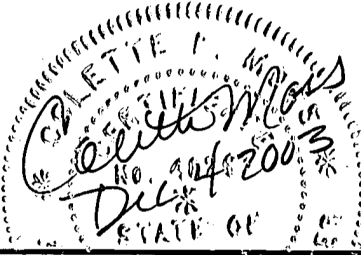
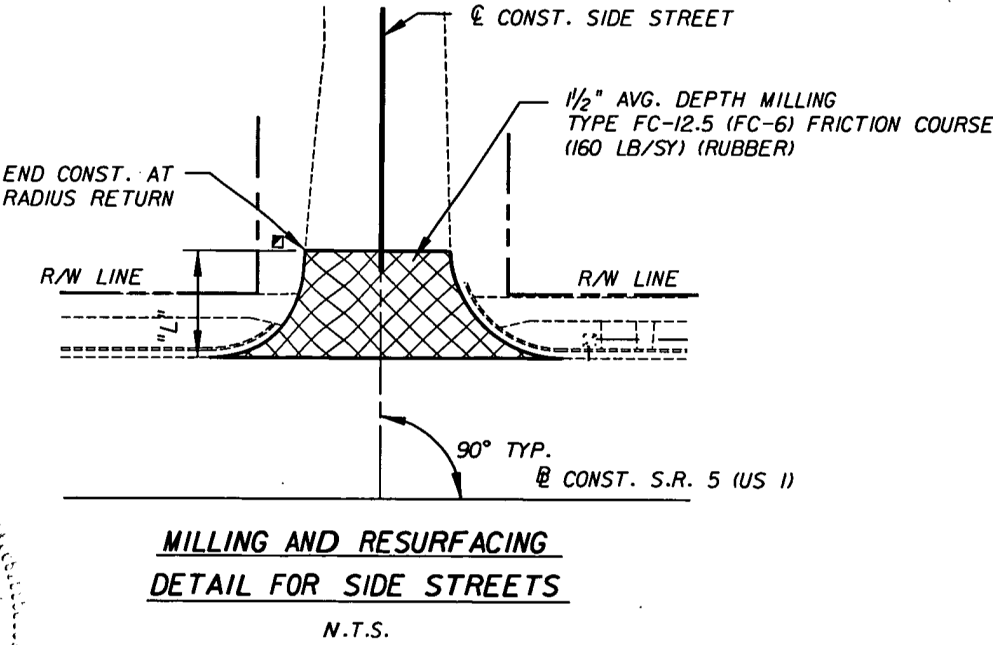
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REVISIONS						 DRMP ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS DYER, RIDDLE, MILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 JAMES R. DELLEUR, P.E. LICENSE NO. 41290	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TABULATION OF QUANTITIES		SHEET NO. 13
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
							5	VOLUSIA	411777-1-52-01			


[illegible]

MILLING AND RESURFACING LIMITS AT SIDE STREETS				
LOCATION	WEST "L"	EAST "L"	MILL AREA SY	
			WEST	EAST
3rd AVE.	N/A	21'	N/A	107
SAN JUAN AVE.	14'	14'	29.8	27.3
1st AVE.	21'	24'	72.6	98.8
HOBART AVE.	13'	N/A	29.0	N/A
MICHIGAN AVE.	15'	13'	33.4	33.0
COTTRILL AVE.	19'	N/A	82.9	N/A
ARLINGTON AVE.	N/A	16'	N/A	85.1
TAYLOR STREET	30'	18'	95.2	79.0
NORTH STREET	22'	17'	114.8	92.8
CONNECTICUT AVE.	16'	N/A	34.2	N/A
KINGSTON AVE.	19'	21'	82.8	87.2
PIERCE AVE.	12'	19'	45.5	79.9
CONGRESS AVE.	19'	18'	79.1	79.9
OAKRIDGE STREET	N/A	33'	N/A	121.9
ONEONITO STREET	30'	N/A	111.6	N/A
5th STREET	N/A	18'	N/A	78.2
BROWN'S COURT	N/A	25'	N/A	68.7
7th STREET	N/A	22'	N/A	108.0
9th STREET	N/A	25'	N/A	102.0
10th STREET	21'	23'	89.3	98.1
12th STREET	N/A	19'	N/A	87.0
14th STREET	21'	36'	92.4	125.9
15th STREET	19'	21'	82.2	90.0
GRANADA STREET	20'	14'	109.7	78.1
ARAGON STREET	18'	18'	80.2	83.1
CASTILLA STREET	25'	26'	127.9	111.4
SEVILLE STREET	22'	18'	98.2	80.0
ARROYA PARKWAY	25'	25'	81.0	80.9
FLEMING AVE.	18'	18'	94.7	92.6
FAIRVIEW AVE.	N/A	20'	N/A	82.3
WASHINGTON PLACE	19'	N/A	83.6	N/A

MILLING AND RESURFACING LIMITS AT SIDE STREETS				
LOCATION	WEST "L"	EAST "L"	MILL AREA SY	
			WEST	EAST
MOUND AVE.	N/A	15'	N/A	68.8
PALM PLACE	16'	N/A	69.8	N/A
WILLOW PLACE	16'	N/A	72.9	N/A
CENTRAL AVE.	N/A	18'	N/A	78.3
OLEANDER PLACE	19'	N/A	82.9	N/A
JEFFERSON STREET	17'	N/A	76.1	N/A
LIVE OAK AVE.	N/A	16'	N/A	79.0
LAWS LANE	18'	N/A	79.8	N/A
MIDWAY AVE.	18'	16'	80.2	72.7
TOMOKA AVE.	19'	21'	82.8	87.2
N.N. ROAD	DRIVEWAY	OPENING	N/A	N/A
NEW BRITAIN AVE.	N/A	15'	N/A	50.7
LINCOLN AVE.	26'	20'	88.4	89.3
HIGHLAND AVE.	N/A	19'	N/A	65.9
SELDEN AVE.	18'	N/A	85.0	N/A
DIX AVE.	N/A	25'	N/A	78.6
WOODLAND AVE.	N/A	18'	N/A	85.2
HERNANDEZ AVE.	N/A	38'	N/A	185.2



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

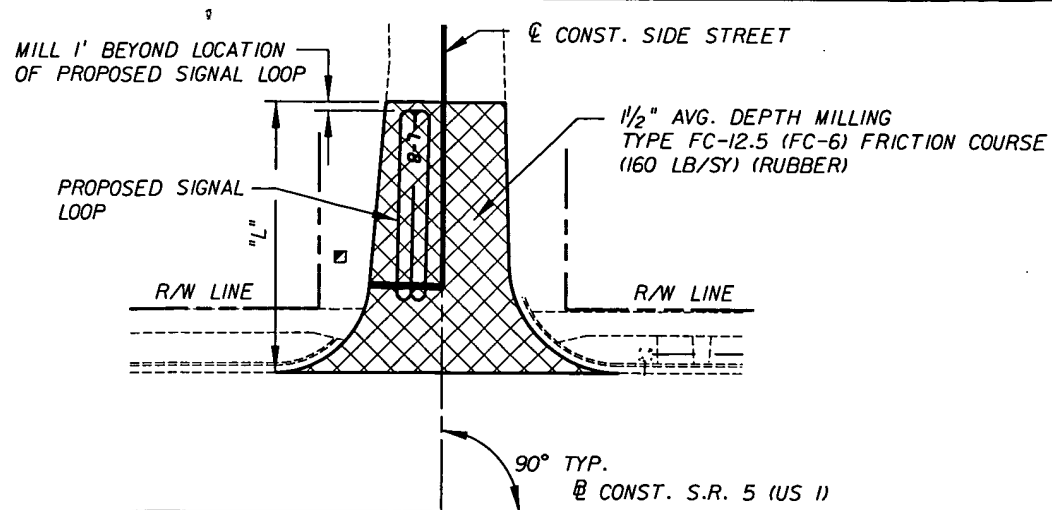


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ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594
COLETTE MOSS P.E.

CERT. OF AUTH. # 2648
LICENSE NO. 48263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

SUMMARY OF SIDE STREETS	
	SHEET NO.
	15



**MILLING AND RESURFACING
DETAIL FOR SIDE STREETS
AT SIGNALIZED INTERSECTIONS**

N.T.S.

MILLING AND RESURFACING LIMITS AT SIGNALIZED SIDE STREETS				
LOCATION	WEST "L"	EAST "L"	MILL AREA SY	
			WEST	EAST
BAY STREET	67'	67'	470	553
MARY McCLOUD BETHUNE BLVD.	61'	55'	223	234
MULLALLY STREET	58'	58'	208	194
FAIRVIEW AVE.	62'	64'	428	274
MADISON AVE.	61'	62'	263	273
MASON AVE.	61'	65'	448	478
2nd. STREET	59'	59'	200	260
3rd. STREET	59'	62'	245	241
6th. STREET	57'	58'	200	216
8th. STREET	57'	59'	199	233
LPGA BLVD.	59'	62'	282	236
WALKER STREET	56'	57'	180	200
FLOMICH STREET	64'	62'	295	259
CALLE GRANDE AVE.	58'	60'	308	308
HAND AVE.	64'	62'	269	190
DIVISON AVE.	64'	58'	311	234
GRANADA BLVD.	62'	58'	551	478

REVISIONS					
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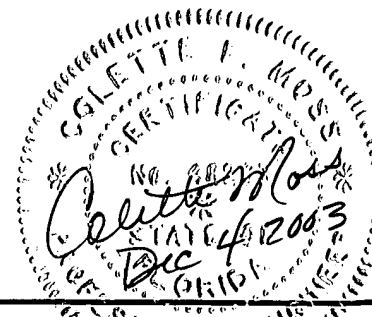


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

**SUMMARY OF SIGNALIZED
SIDE STREETS**

SHEET
NO.

16



CURB CUT RAMP REPLACEMENTS AT SIDE STREETS							
LOCATION	CURB CUT RAMP TYPE				CONC. S/W	C&G TYPE F	CURB TYPE D
	N.W. RETURN	N.E. RETURN	S.W. RETURN	S.E. RETURN	S.Y.	L.F.	L.F.
BAY STREET	CR-26	CR-26	T	CR-2I	42.6	62.0	II
3RD AVENUE	T	—	T	—			
MARY McLEOD BETHUNE	T	CR-26	T	T	18.4	24.3	
SAN JUAN AVE.	T	T	CR-2I	T	5.8	13.4	II
1st AVE.	T	T	T	CR-2I	5.8	13.4	II
MULLALLY STREET	CR-16	CR-16	CR-2I	CR-2I	18.2	42.8	62
HOBART AVE.	T	—	T	—			
MICHIGAN AVE.	CR-2I	CR-2I	CR-2I	CR-2I	23.2	53.6	44
FAIRVIEW AVE.	CR-26	CR-2I	CR-26	CR-26	61.0	86.3	II
		CR-16			3.3	8	20
COTTRILL AVE.	T	—	T	—			
ARLINGTON AVE.	—	CR-2I	—	CR-2I	11.6	26.8	22
TAYLOR STREET	CR-2I	T	T	T	5.8	13.4	II
NORTH STREET	CR-2I	CR-2I	T	T	11.6	26.8	22
CONNECTICUT AVE.	CR-2I	—	T	—	5.8	13.4	
MADISON AVE.	CR-26	CR-26	CR-26	CR-26	78.5	115.1	6
KINGSTON AVE.	CR-2I	CR-2I	T	CR-2I	17.4	40.2	33
PIERCE AVE.	CR-2I	T	CR-2I	CR-2I	17.4	40.2	33
CONGRESS AVE.	CR-2I	T	CR-2I	T	11.6	26.8	22
MASON AVE.	CR-26	CR-26	CR-26	CR-26	73.6	97.2	
OAKRIDGE STREET	—	CR-2I	—	T	5.8	13.4	II
2nd STREET	CR-26	CR-26	CR-2I	CR-2I	48.4	75.4	22
ONEONITO STREET	CR-2I	—	CR-2I	—	11.6	26.8	22
3rd STREET	T	T	CR-26	T	18.4	24.3	
5th STREET	—	CR-2I	—	CR-2I	11.6	26.8	22
BROWN'S COURT	—	T	—	T			
6th STREET	CR-26	CR-26	T	CR-2I	42.6	62.0	II
7th STREET	—	CR-2I	—	CR-2I	11.6	26.8	22
8th STREET	CR-26	CR-26	CR-2I	CR-2I	48.4	75.4	22
9th STREET	—	CR-2I	—	CR-2I	11.6	26.8	22
10th STREET	CR-2I	CR-2I	CR-2I	CR-2I	23.2	53.6	44
LPGA BLVD.	T	T	T	CR-26	18.4	24.3	
12th STREET	—	CR-2I	—	CR-2I	5.8	13.4	II
14th STREET	CR-2I	CR-2I	CR-2I	CR-2I	23.2	53.6	44
TOTALS					693.2	1207.1	572.0

T= CONSTRUCT APPLIED DETECTABLE WARNING DEVICE ON CURB CUT RAMPS.

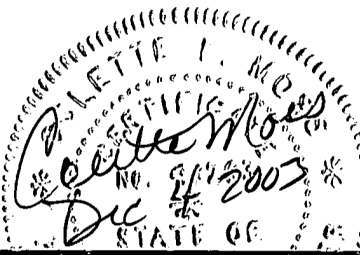
note CURB cut Ramp backup LA+4 Dep measurements in binder #1
F-curb and D-curb LA+4 Dep measurements in binder #3

CURB CUT RAMP REPLACEMENTS AT SIDE STREETS							
LOCATION	CURB CUT RAMP TYPE				CONC. S/W	C&G TYPE F	CURB TYPE D
	N.W. RETURN	N.E. RETURN	S.W. RETURN	S.E. RETURN	S.Y.	L.F.	L.F.
15th STREET	CR-2I	T	CR-2I	T	11.6	26.8	22
FLOMIC STREET	CR-2I	T	CR-26	CR-26	42.6	62.0	II
GRANADA STREET	T	CR-2I	T	CR-2I	11.6	26.8	22
ARAGON STREET	T	CR-2I	T	CR-2I	11.6	26.8	22
CALLE GRANDE	CR-26	T	T	T	18.4	24.3	
CASTILLA STREET	T	T	T	T			
SEVILLE STREET	CR-2I	CR-2I	T	CR-2I	17.4	40.2	33
ARROYA STREET	CR-2I	CR-2I	CR-2I	CR-2I	23.2	53.6	44
FLEMING AVE.	T	CR-2I	T	CR-2I	11.6	26.8	22
HAND AVE.	CR-2I	CR-2I	CR-26	CR-26	48.4	75.4	22
DIVISION AVE.	T	T	T	T			
FAIRVIEW AVE.	—	T	—	T			
WASHINGTON PLACE	T	—	T	—			
MOUND AVE.	—	CR-2I	—	CR-2I	11.6	26.8	22
PALM PLACE	T	—	T	—			
WILLOW PLACE	CR-2I	—	T	—	5.8	13.4	II
CENTRAL AVE.	—	CR-2I	—	CR-2I	11.6	26.8	22
OLEANDER PLACE	T	—	T	—			
JEFFERSON STREET	T	—	T	—			
LIVE OAK AVE.	—	CR-2I	—	CR-2I	11.6	26.8	22
LAWS LANE	T	—	T	—			
MIDWAY AVE.	CR-2I	T	CR-2I	T	11.6	26.8	22
TOMOKA AVE.	CR-2I	T	CR-2I	CR-2I	17.4	40.2	33
N.N. ROAD	—	NO CURB	CUT RAMPS	—			
GRANADA BLVD.	T	T	T	T			
NEW BRITAIN AVE.	—	CR-2I	—	CR-2I	11.6	26.8	22
LINCOLN AVE.	T	CR-2I	T	T	5.8	13.4	II
HIGHLAND AVE.	—	T	—	T			
SELDEN AVE.	CR-2I	—	CR-2I	—	11.6	26.8	22
DIX AVE.	—	—	—	CR-2I	5.8	13.4	II
WOODLAND AVE.	—	—	—	—			
HERNANDEZ AVE.	—	—	—	—			
TOTALS					300.8	603.9	396.0
GRAND TOTAL					994	1811	968

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

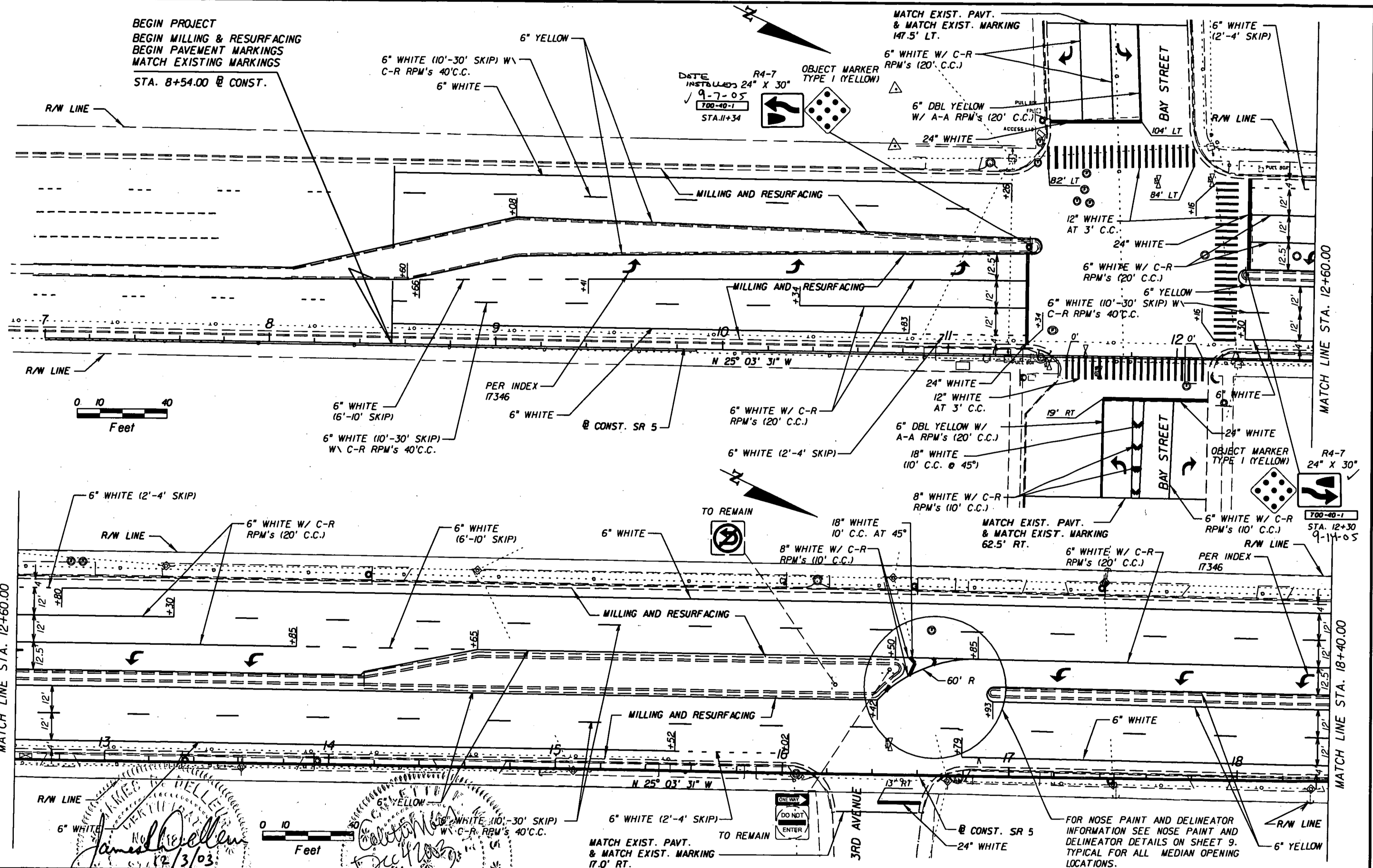


STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 5	VOLUSIA	411777-1-52-01	17



**CURB CUT RAMP SUMMARY
AND CONSTRUCTION DETAILS**

BEGIN PROJECT
 BEGIN MILLING & RESURFACING
 BEGIN PAVEMENT MARKINGS
 MATCH EXISTING MARKINGS
 STA. 8+54.00 @ CONST.



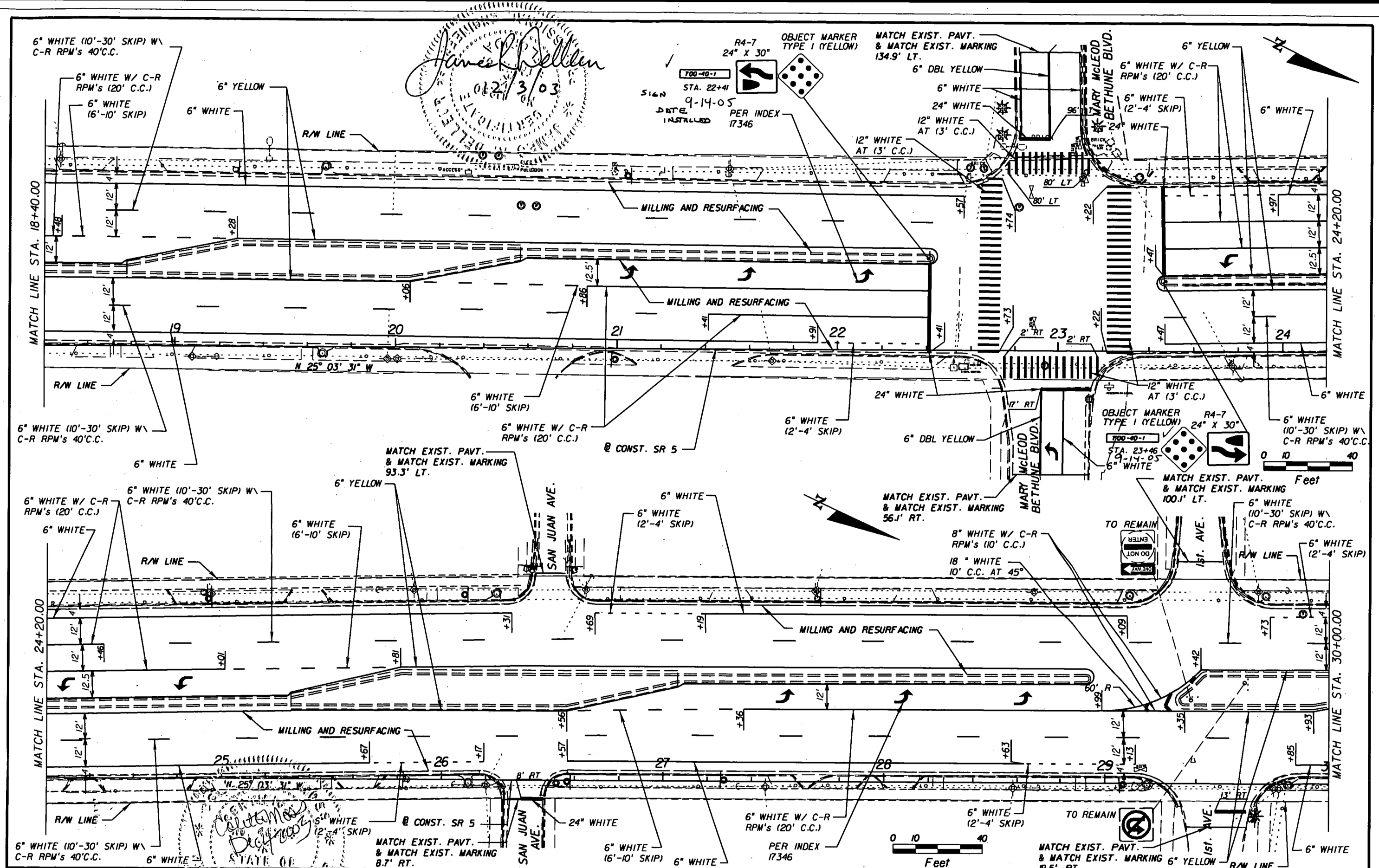
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DRMP
 ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
 DYER, RIDDLE, MILLS & PRECOURT, INC.
 1505 E. COLONIAL DRIVE
 ORLANDO, FLORIDA 32803
 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2648
 JAMES R. DELLEUR, P.E. LICENSE NO. 41290
 COLETTE MOSS, P.E. LICENSE NO. 48263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5

SHEET NO.
18



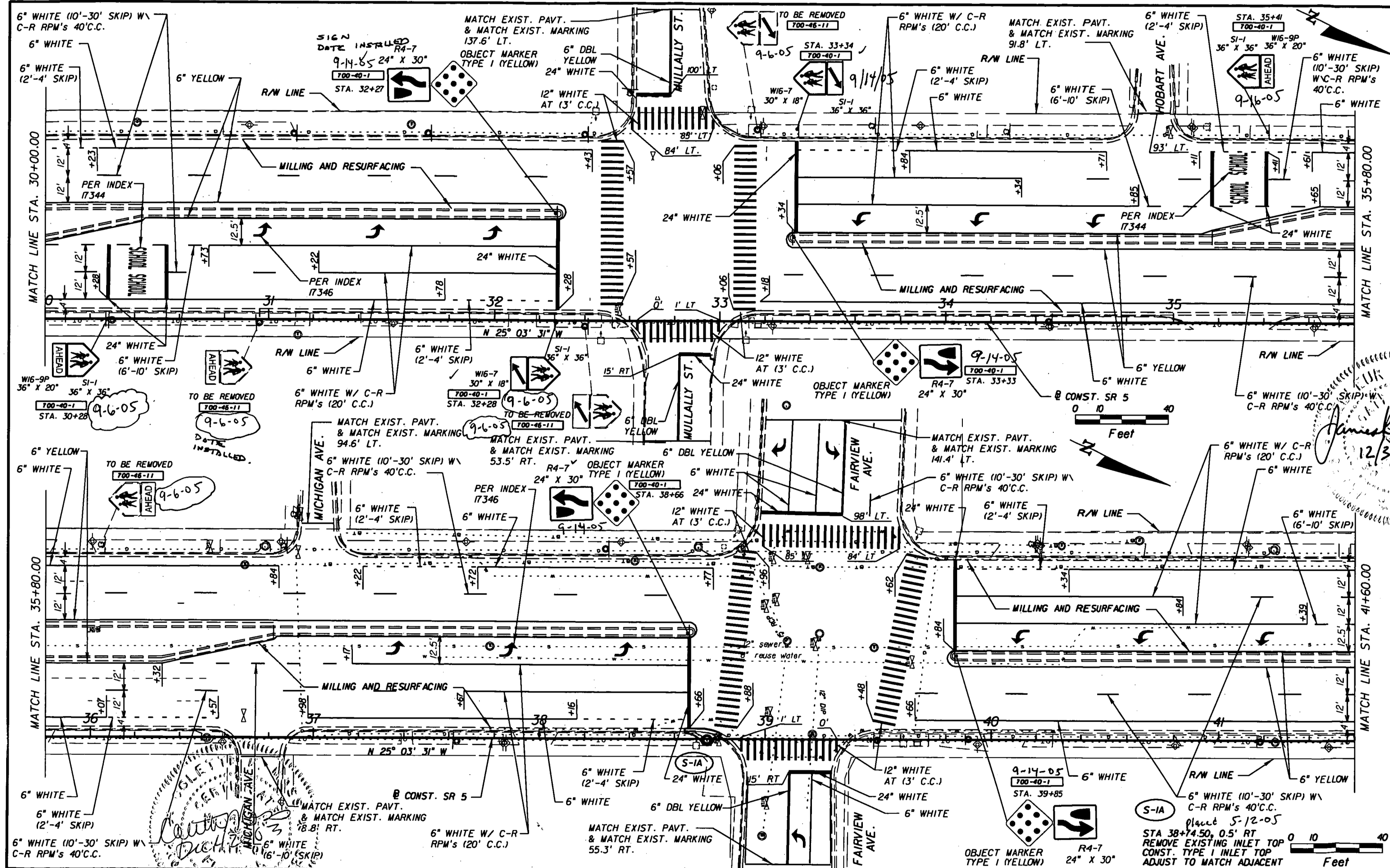
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
 DYER, RIDDLE, WILLS & PRECOURT, INC.
 1506 E. COLONIAL DRIVE
 ORLANDO, FLORIDA 32803
 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
 JAMES R. DELLEUR, P.E. LICENSE NO. 42290
 COLETTE MOSS, P.E. LICENSE NO. 42263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5

SHEET NO. 19



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

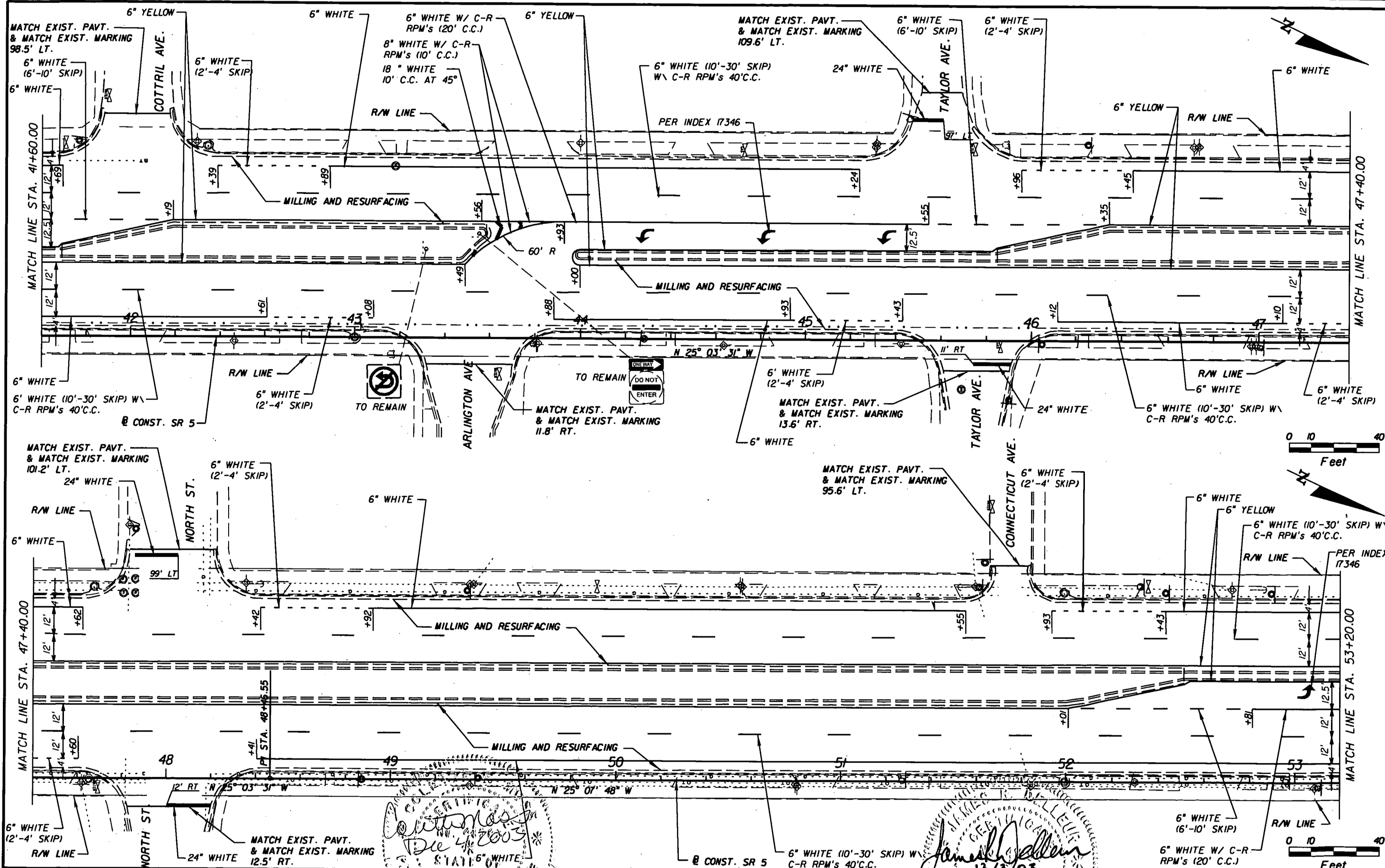
DRMP
 ENGINEERS, SURVEYORS, PLANNERS, SCIENTISTS
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5

SHEET NO. 20

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REVISIONS				DATE		BY		DESCRIPTION	

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DRYER, RIDDLE, WILLS & PRECOURT, INC.
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 ORLANDO, FLORIDA 32803
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STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	41177-1-52-01

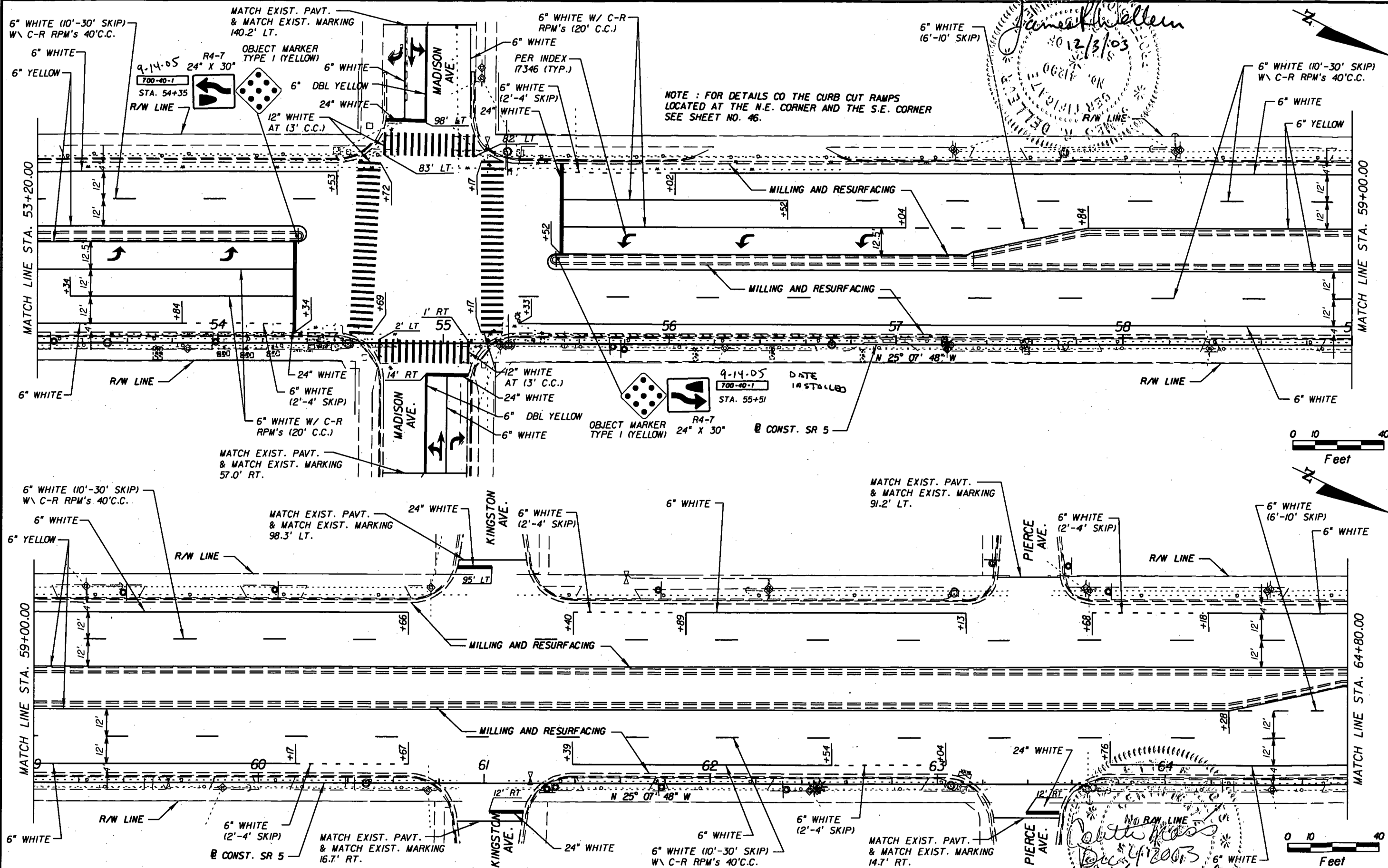
PLAN SHEET
SR 5

DATE: 12/2/2003

BY: JAMES R. DELLEUR

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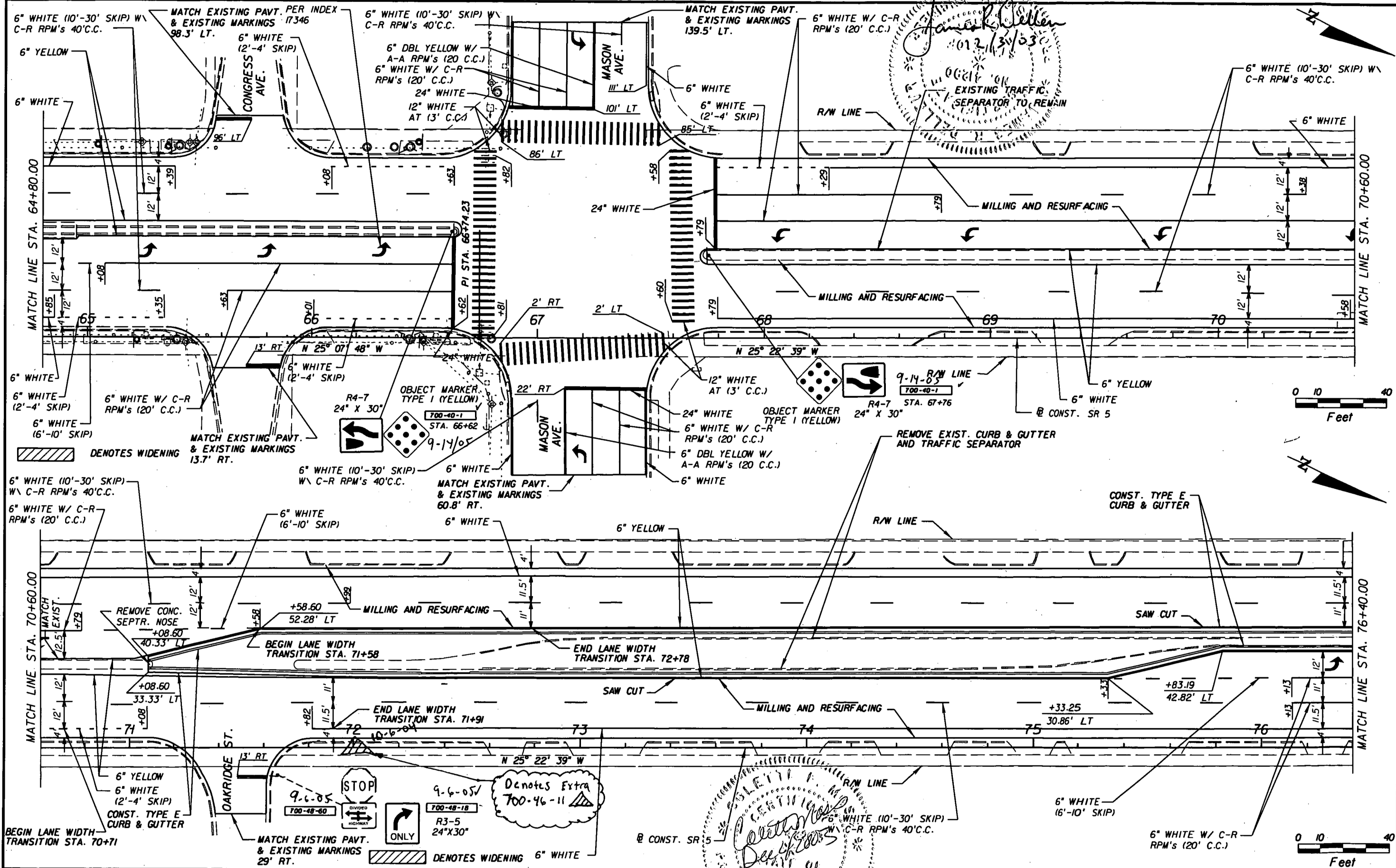
REVISIONS			
DATE	BY	DESCRIPTION	

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ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
 DYER, RIDDLE, MILLS & PRECOURT, INC.
 1505 E. COLONIAL DRIVE
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5
 COLETTE MOSS
 12/02/2003

SHEET NO.
22



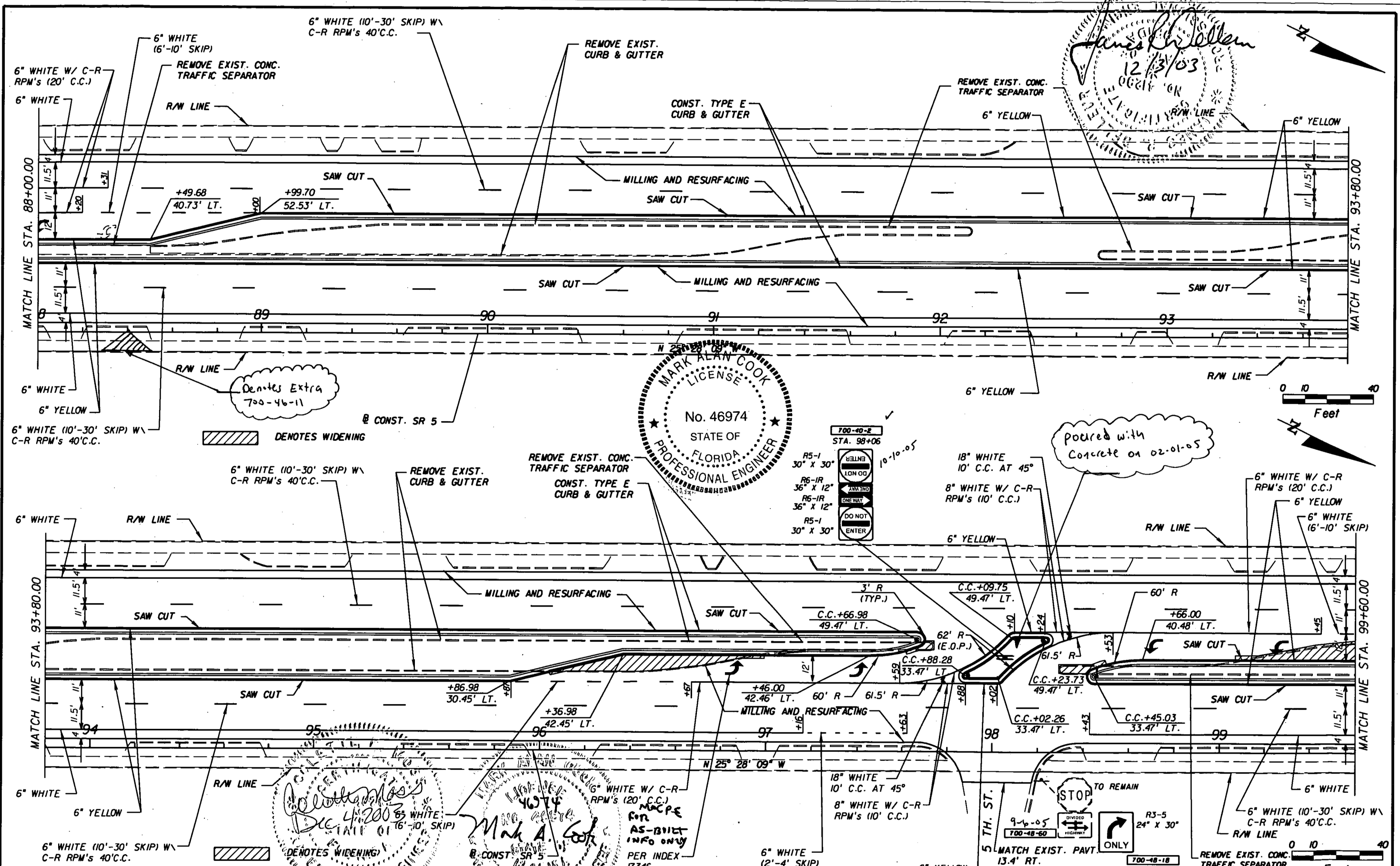
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 JAMES R. DELLEUR, P.E. LICENSE NO. 41290
 COLETTE MOSS, P.E. LICENSE NO. 42263

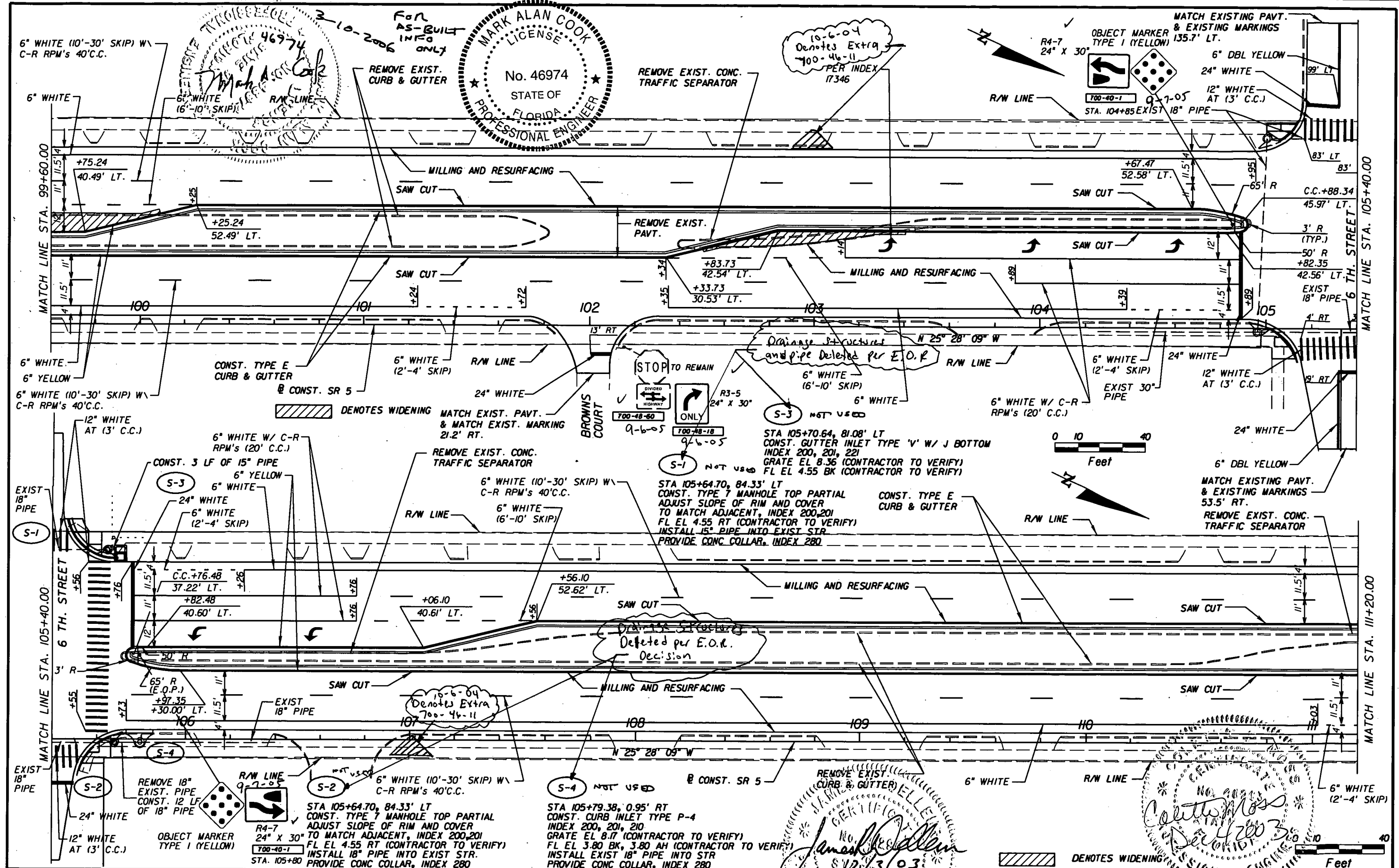
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	VOLUSIA	411777-1-52-01

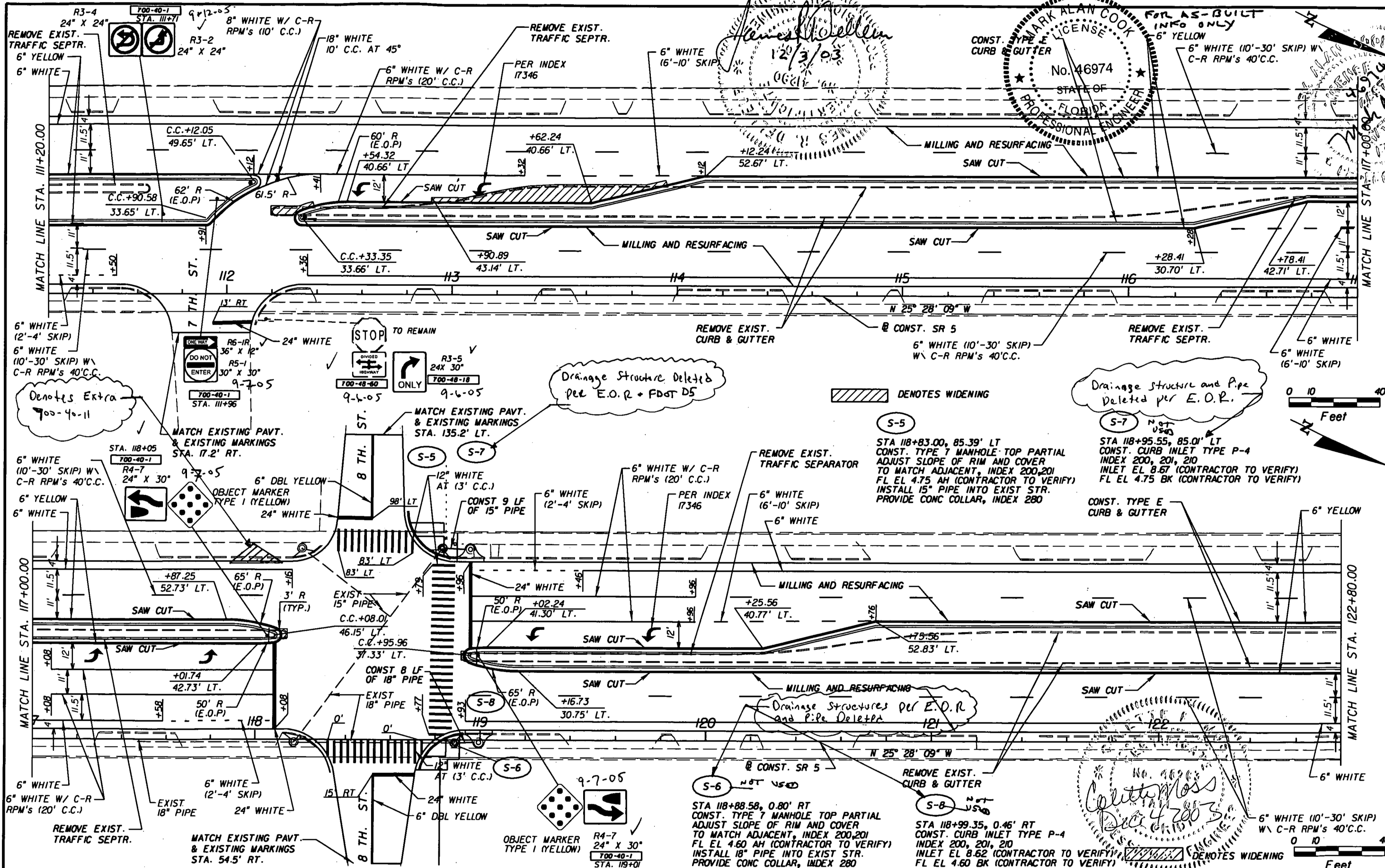
PLAN SHEET
SR 5

SHEET
 NO.
 23



REVISIONS DATE BY DESCRIPTION 3-10-06		DRMP ENGINEERS - SURVEYORS - PLANNERS - DESIGNERS DYER, RIDDLE, HILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2648 JAMES R. DELLEUR, P.E. LICENSE NO. 41290 COLETTE MOSS, P.E. LICENSE NO. 48263		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 5 COUNTY VOLUSIA FINANCIAL PROJECT ID 411777-1-52-01	PLAN SHEET SR 5 SHEET NO. 25
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James R. Delleur
12/3/03
06217

MARK ALAN COOK
FOR AS-BUILT
INFO ONLY
6" YELLOW
6" WHITE (10'-30' SKIP) W/
C-R RPM'S 40'C.C.
CONST. TYPE E CURB & GUTTER
No. 46974
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

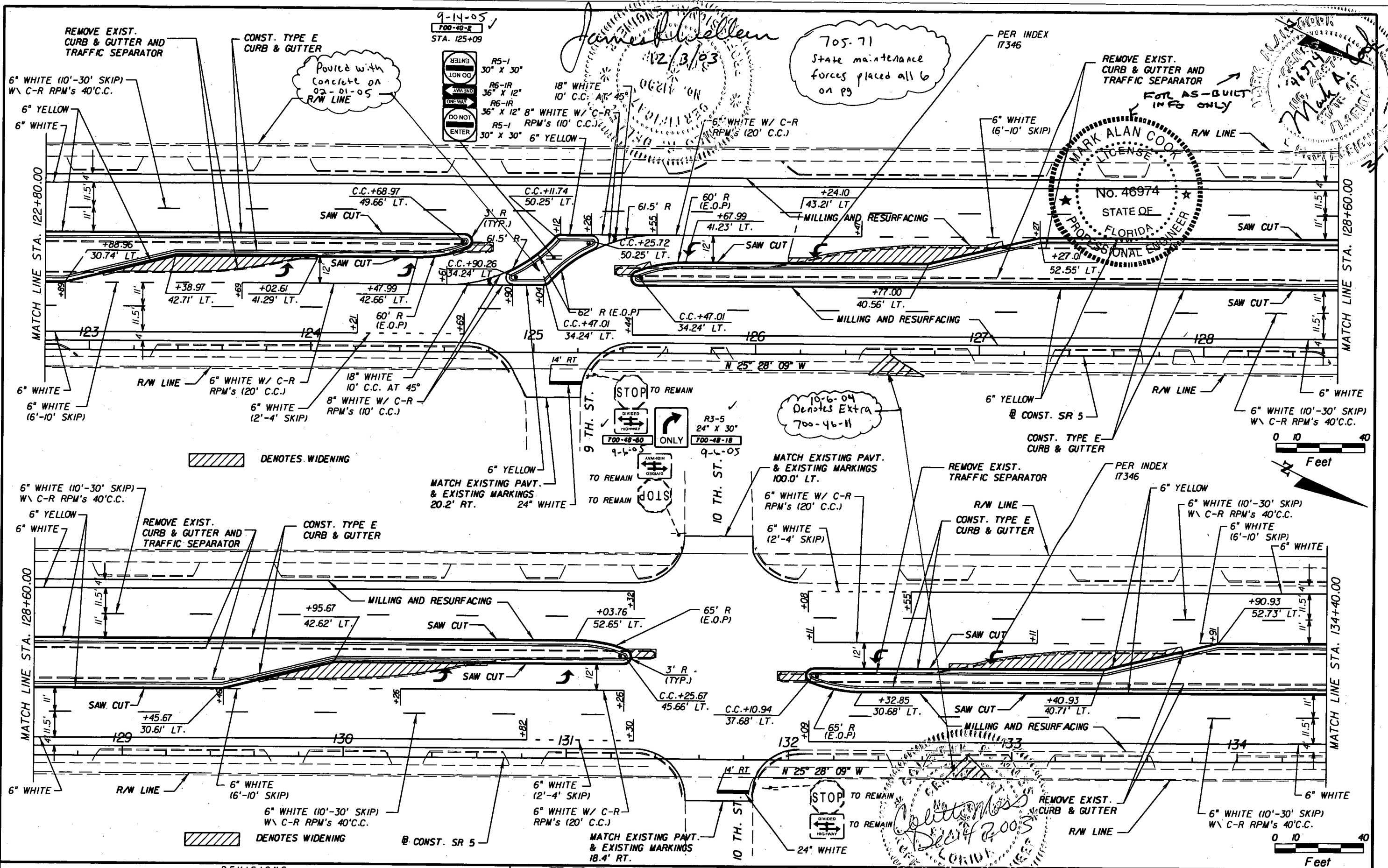
3-10-2006
2246974
06217

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DRMP
ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
JAMES R. DELLEUR, P.E. LICENSE NO. 41290
COLETTE MOSS, P.E. LICENSE NO. 48263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5
SHEET NO. 27



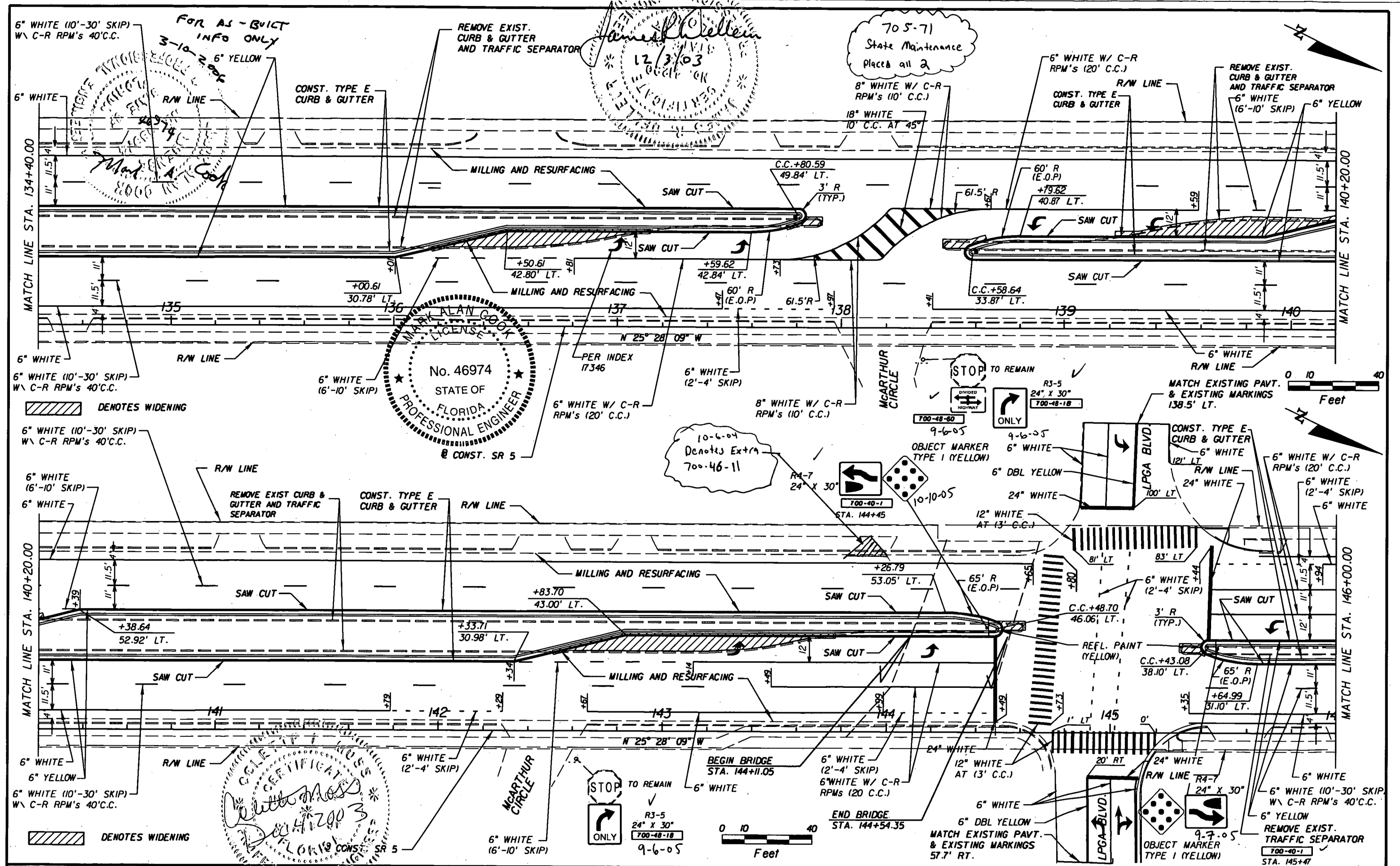
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DRMP
 ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
 DYER, RIDDLE, HILLS & PRECOURT, INC.
 1505 E. COLONIAL DRIVE
 ORLANDO, FLORIDA 32803
 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 0540
 JAMES R. DELLEUR, P.E. LICENSE NO. 41290
 COLETTE MOSS, P.E. LICENSE NO. 42263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

**PLAN SHEET
SR 5**

SHEET NO.
28



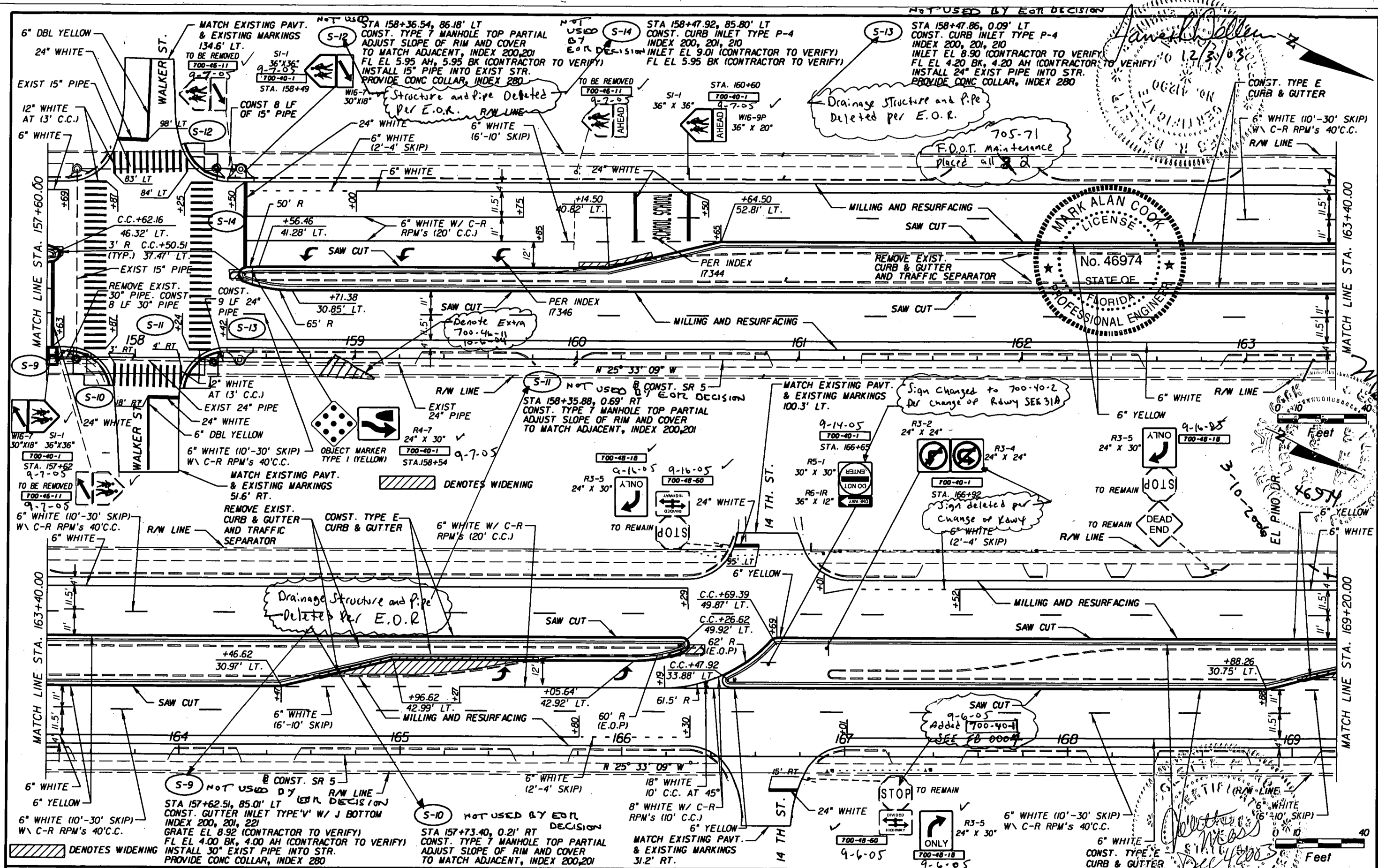
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DRMP
 ENGINEERS, SURVEYORS, PLANNERS, SCIENTISTS
 DYER, RIDDLE, MILLS & PRECOURT, INC.
 1505 E. COLONIAL DRIVE
 ORLANDO, FLORIDA 32803
 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
 JAMES R. DELLEUR, P.E. LICENSE NO. 41290
 COLETTE MOSS, P.E. LICENSE NO. 42623

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5

SHEET NO. 29



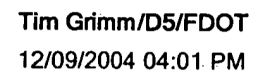
REVISIONS			
DATE	BY	DESCRIPTION	

DRMP
ENGINEERS, SURVEYORS, PLANNERS, SCIENTISTS
DIER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
JAMES R. DELLEUR, P.E., LICENSE NO. 41290
COLETTE MOSS, P.E., LICENSE NO. 45263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5

SHEET NO.
31



To troy.larabel@jacobs.com
cc greg.xanders@jacobs.com, Michael Ruland/D5/FDOT
bcc
Subject US1 14th street intersection,41177715201

"AS-BUILT"
14TH STREET

Troy, There is a change coming concerning the configuration of the median at this intersection. I believe we have already put it in per plan, but it appears that we will be taking the SB piece out and returning a SB left turn option. Please inform P&S and ask them not to do any more work at this area in the meantime.

Thanks, Tim

Tim Grimm
Construction Project Manager
Florida Dept. of Transportation
915 S. Clyde Morris Blvd.
Daytona Bch. Fl., 32114
Phone: (386) 226-7886 or SUNCOM 380-7886
e-mail: tim.grimm@dot.state.fl.us

Cook, Mark (Jacksonville)

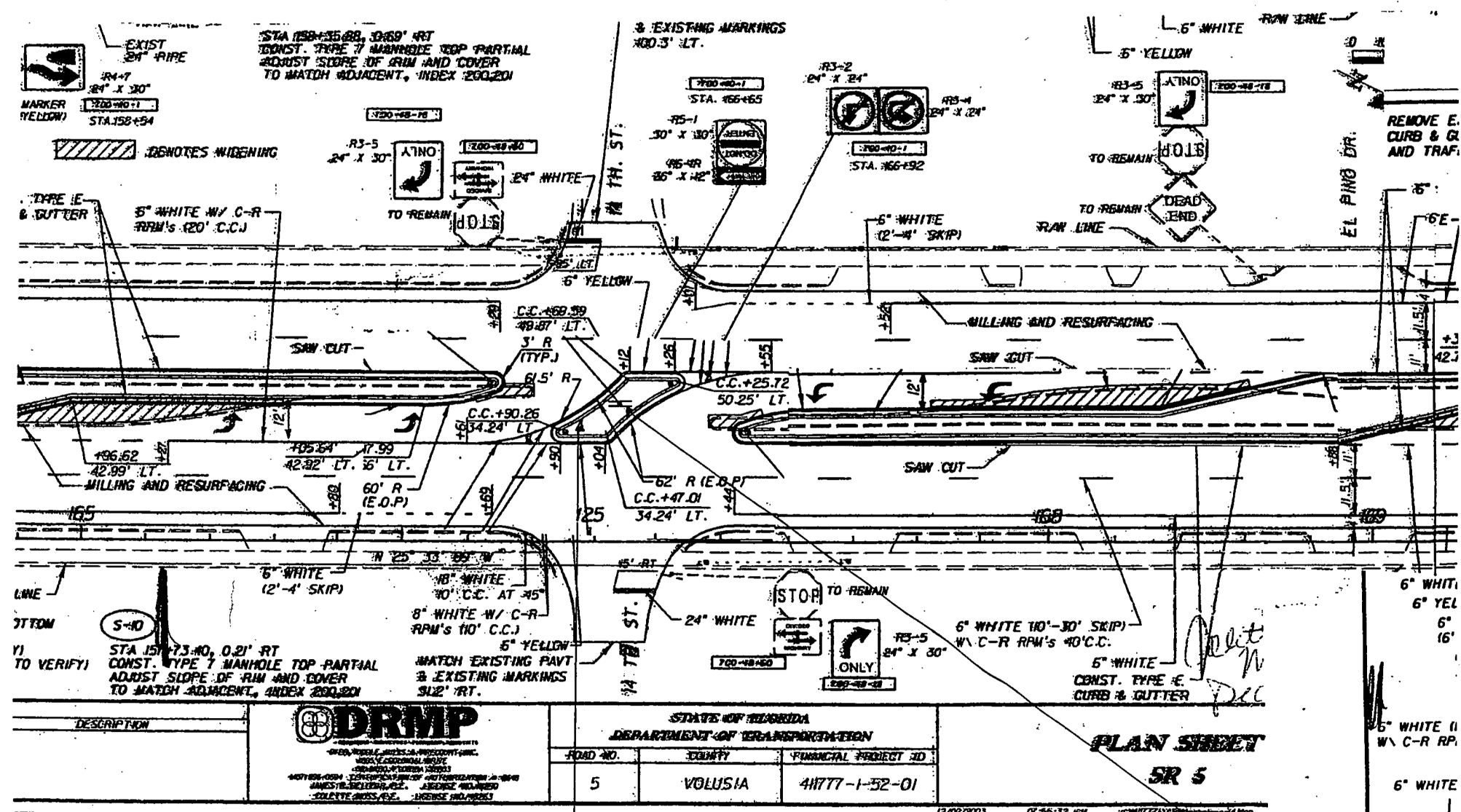
From: Colette Moss [cmoss@drmp.com]
Sent: Tuesday, January 24, 2006 3:36 PM
To: Cook, Mark (Jacksonville)
Cc: Mark Prochak; Joe Perri
Subject: SR 5

Mark,

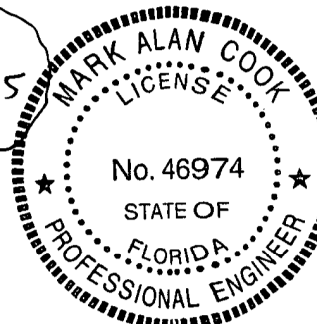
As requested, I reviewed the Southbound left turn lane that was constructed at 14th Street. The minimum deceleration for a design speed of 40 mph (35 mph posted) and a queue consistent with the rest of the project was obtained. From my observation, the construction for the Southbound left turn lane at 14th Street meets the FDOT 2002 Standards that were utilized for this project.

Please let me know if you need anything else on this issue.

Colette

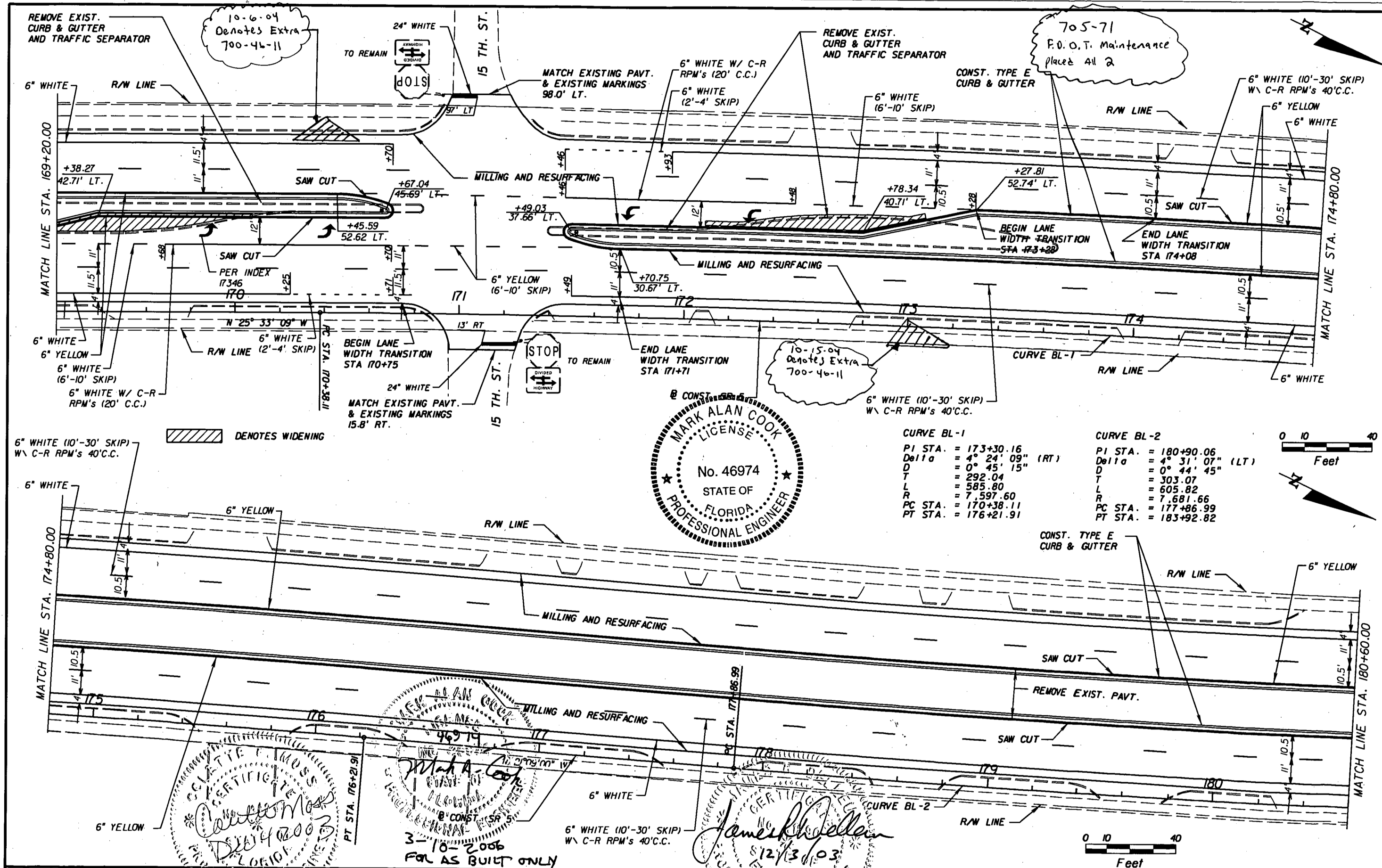


Poured Island with
Concrete on 5-03-05



Extra 700-40-2
SEE note on pg 30

SHEET
NO. 31A



MARK ALAN COOK
LICENSE
No. 46974
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

CURVE BL-1
PI STA. = 173+30.16
Delta = 4° 24' 09" (RT)
D = 0° 45' 15"
T = 292.04
L = 585.80
R = 7,597.60
PC STA. = 170+38.11
PT STA. = 176+21.91

CURVE BL-2
PI STA. = 180+90.06
Delta = 4° 31' 07" (LT)
D = 0° 44' 45"
T = 303.07
L = 605.82
R = 7,681.66
PC STA. = 177+86.99
PT STA. = 183+92.82

REVISIONS
DATE BY DESCRIPTION
10-10-03
10-10-03
10-10-03

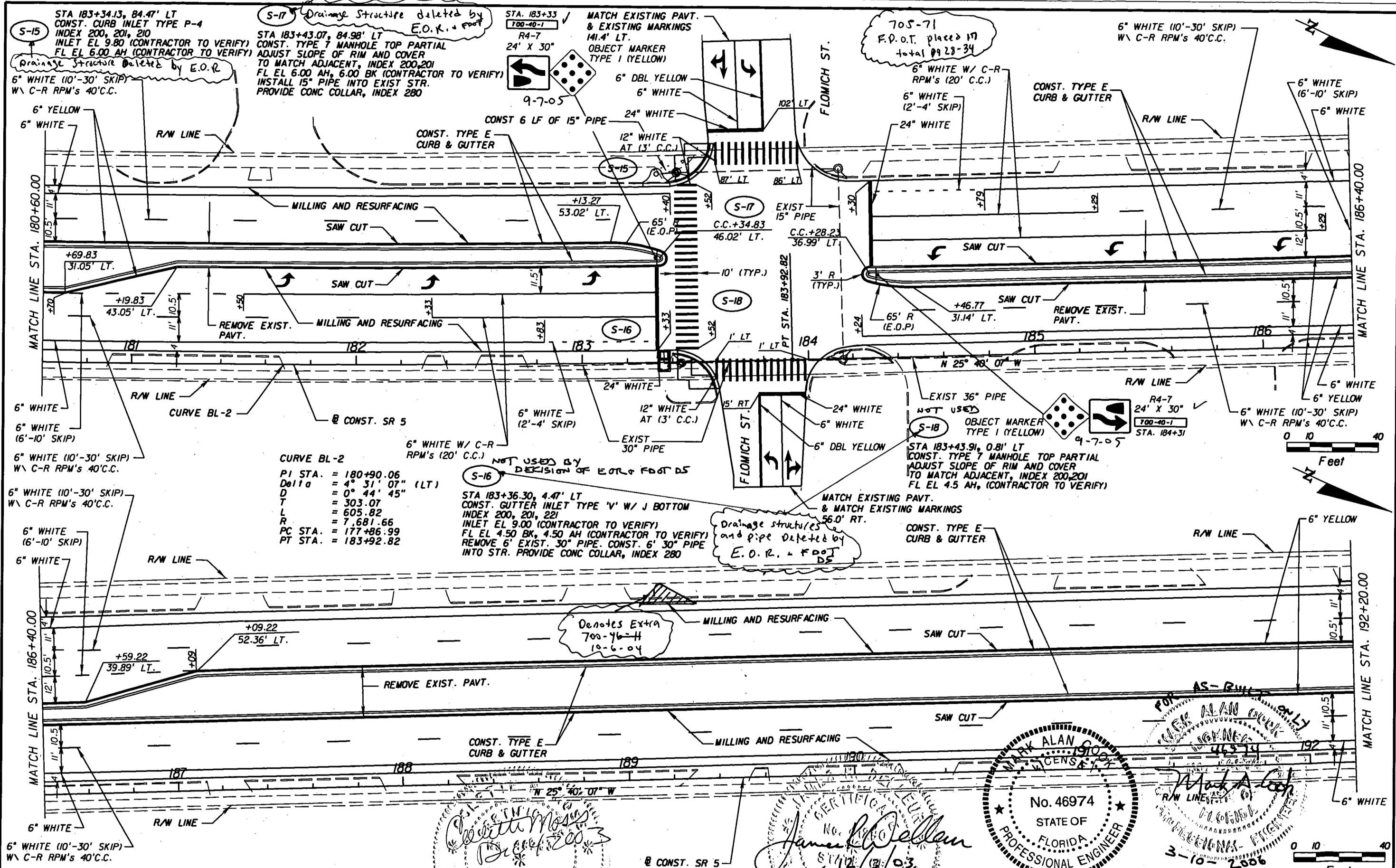
3-10-2006
FOR AS BUILT ONLY

DRMP
ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 E. COLONIAL DRIVE
ORLANDO, FLORIDA 32803
(407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
JAMES R. DILLON, P.E. LICENSE NO. 4290
COLETTE MOSS, P.E. LICENSE NO. 48263

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. 5
COUNTY VOLUSIA
FINANCIAL PROJECT ID 41177-1-52-01

PLAN SHEET
SR 5

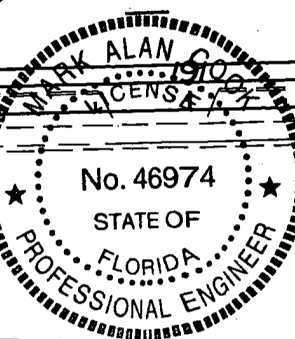
SHEET NO.
32



REVISIONS				DATE		BY		DESCRIPTION	

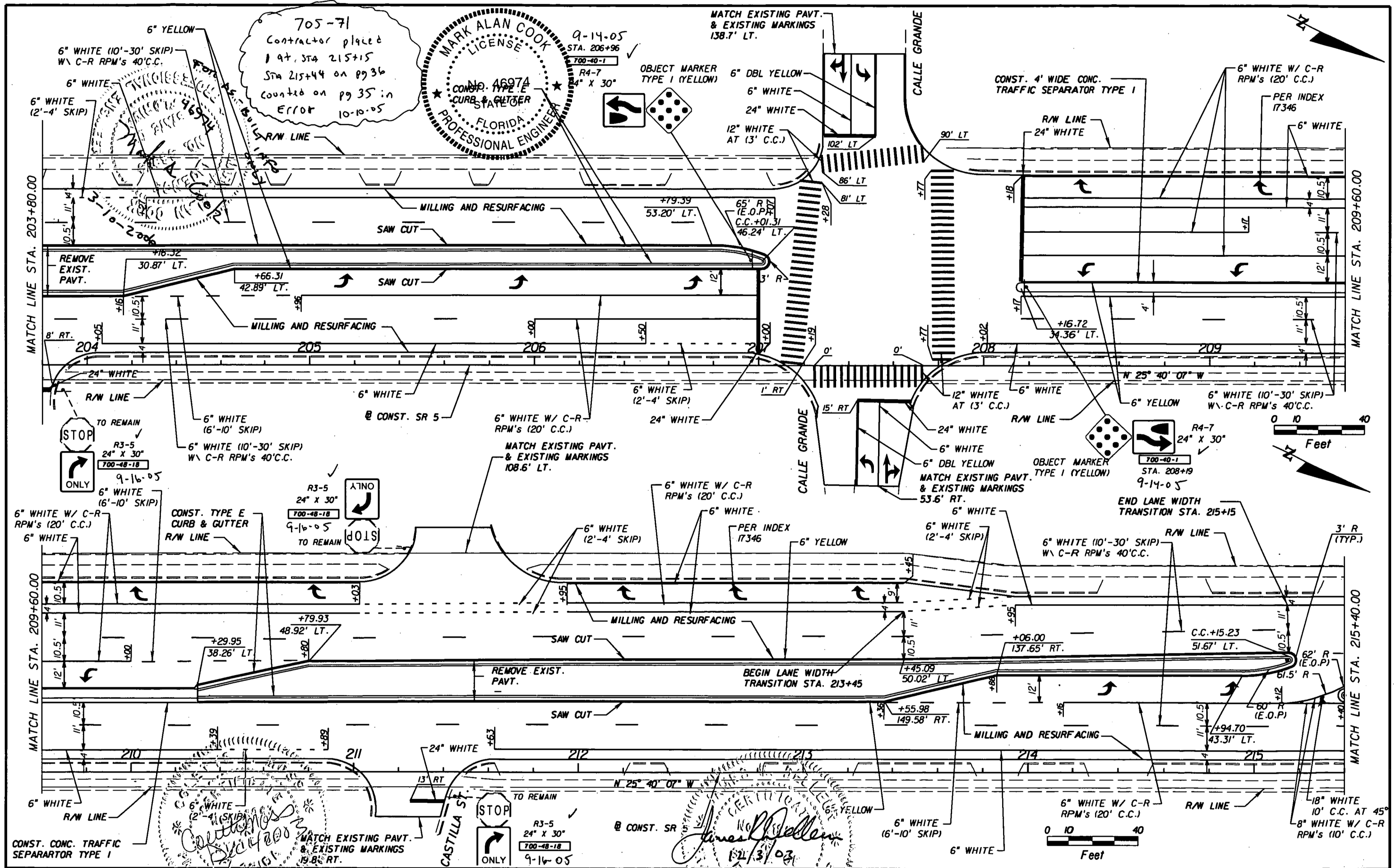
		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		FINANCIAL PROJECT ID 41177-1-52-01	
ROAD NO. 5		COUNTY VOLUSIA		SHEET NO. 33	

PLAN SHEET SR 5		SHEET NO. 33
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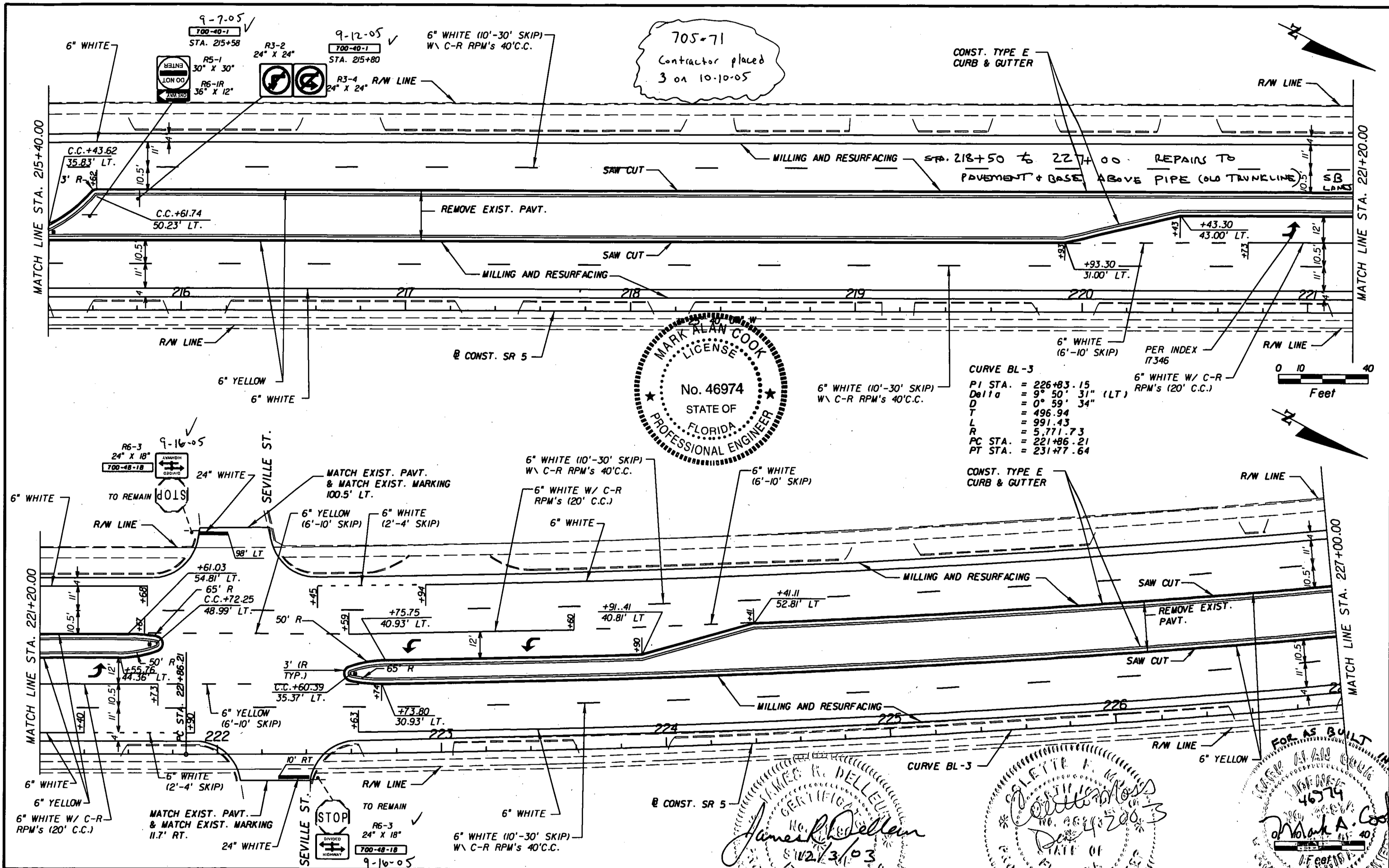
James R. Delleur
 No. 41177
 12/2/03

Colette Moss
 12/2/03



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DRMP <small>ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS</small> <small>DIER, RIDDLE, MILLS & FREEDMAN, INC.</small> <small>1505 E. COLONIAL DRIVE</small> <small>ORLANDO, FLORIDA 32803</small> <small>(407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548</small> <small>JAMES R. DELLEUR, P.E. LICENSE NO. 41290</small> <small>COLETTE MOSS, P.E. LICENSE NO. 48263</small>		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 5 COUNTY VOLUSIA FINANCIAL PROJECT ID 411777-1-52-01	PLAN SHEET SR 5 SHEET NO. 35
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REVISIONS			
DATE	BY	DESCRIPTION	

DRMP
ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
 DYER, RIDDLE, MILLS & PRECOURT, INC.
 1505 E. COLONIAL DRIVE
 ORLANDO, FLORIDA 32803
 (407) 895-0594 CERTIFICATION OF AUTHORIZATION # 2548
 JAMES R. DELLEUR, P.E. LICENSE NO. 40290
 COLETTE MOSS, P.E. LICENSE NO. 48263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5
 3-10-2005
 36

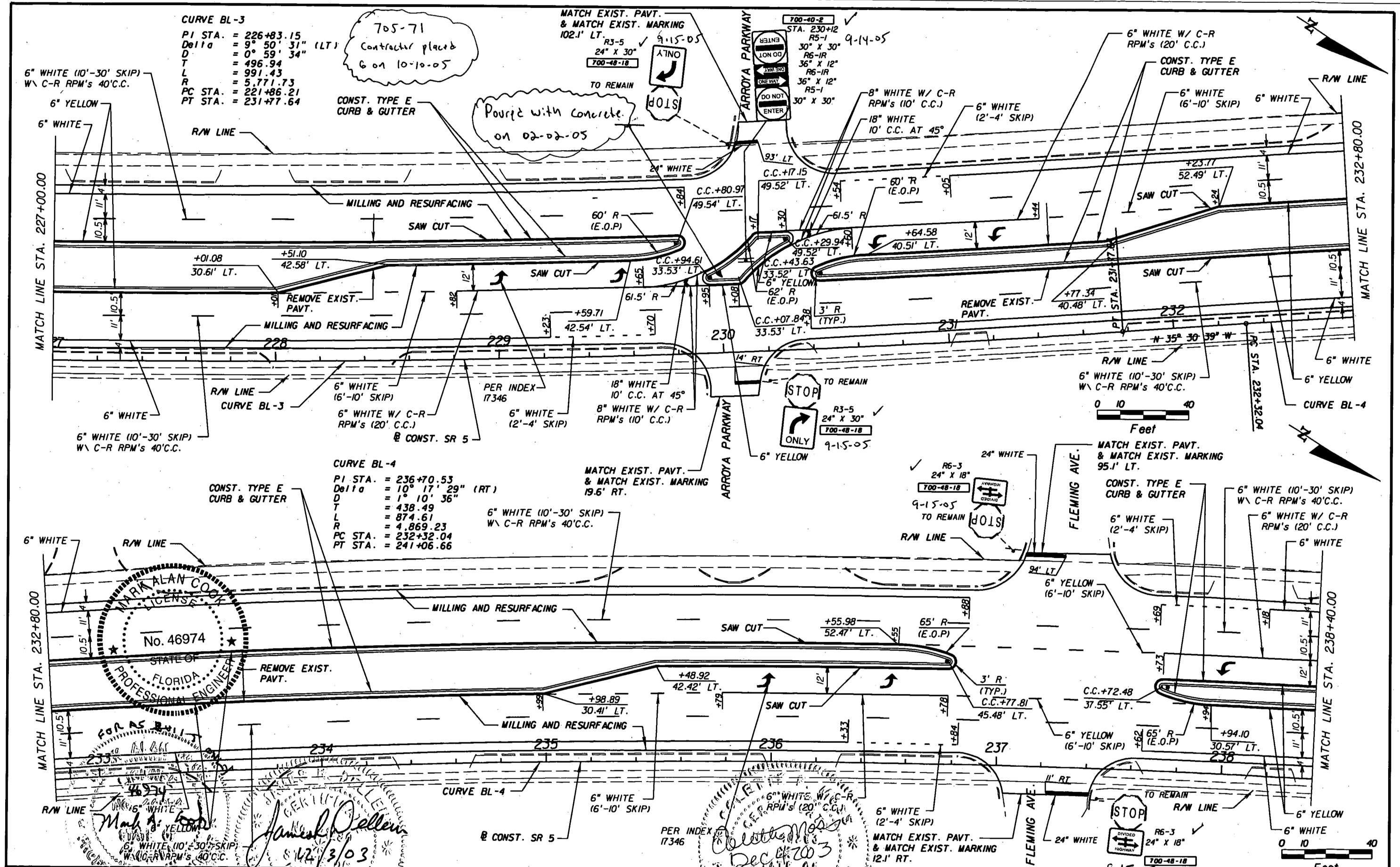
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 Delta = 9° 50' 31" (LT)
 D = 0° 59' 34"
 T = 496.94
 L = 991.43
 R = 5,771.73
 PC STA. = 221+86.21
 PT STA. = 231+77.64

MARK ALAN COOK
 LICENSE
 No. 46974
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

JAMES R. DELLEUR
 No. 40290
 8/12/3/03

COLETTE MOSS
 No. 48263
 8/12/3/03

FOR AS BUILT
 46974
 JAMES R. DELLEUR
 No. 40290
 8/12/3/03



DATE		BY		DESCRIPTION		REVISIONS		DATE		BY		DESCRIPTION	
12-10-2006													

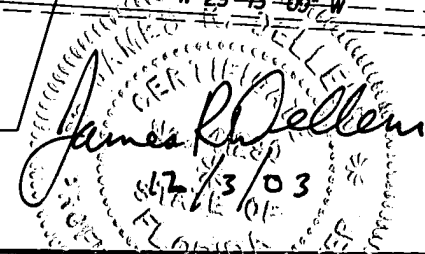
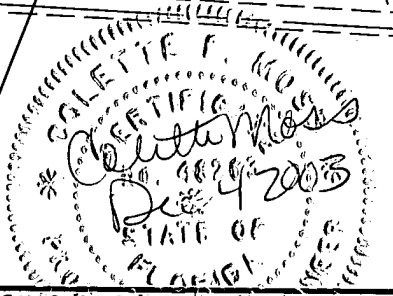
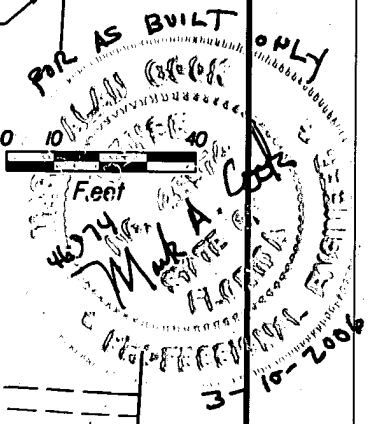
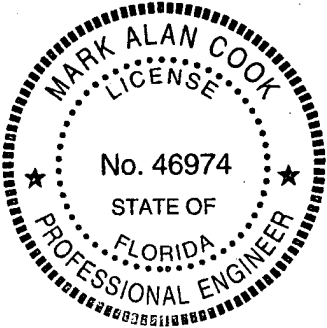
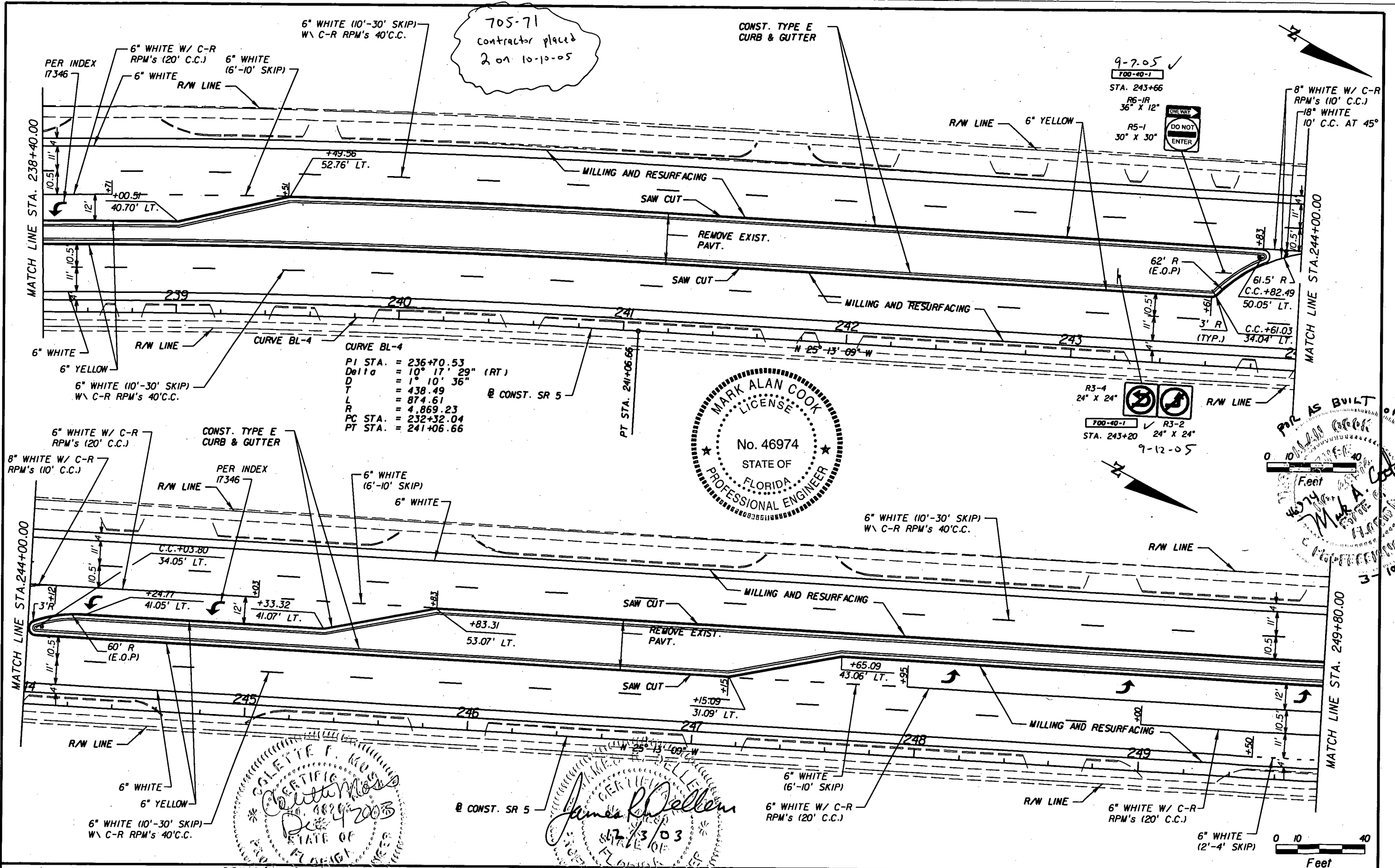
DRMP
DESIGN, RECONSTRUCTION, MAINTENANCE, PLANNING, SCIENTISTS
1407185-0594 CERTIFICATION OF AUTHORIZATION # 2648
JAMES R. DELLEUR, P.E. LICENSE NO. 41250
COLETTE MOSS, P.E. LICENSE NO. 48263

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
15111	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5

SHEET NO.
37



REVISIONS			
DATE	BY	DESCRIPTION	DATE

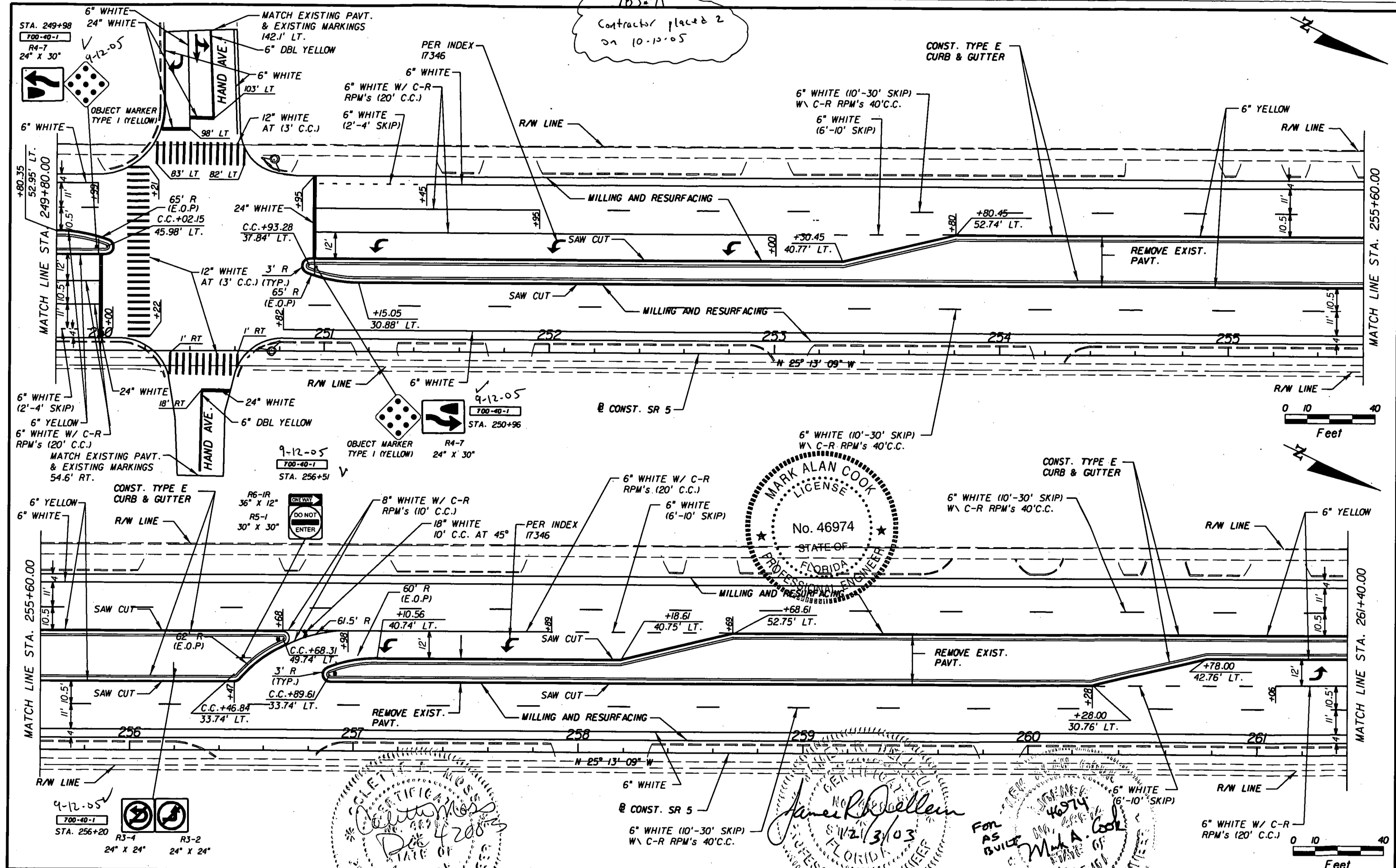
DRMP
 ENGINEERS, SURVEYORS, PLANNERS, ARCHITECTS
 DYER, RIDDLE, WILSON & PRECOURT, LLC
 1505 E. CLARK BLVD., SUITE 200
 ORLANDO, FLORIDA 32803
 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
 JAMES R. DELLEUR, P.E. LICENSE NO. 42303
 COLETTE MOSS, P.E. LICENSE NO. 42203

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

PLAN SHEET
SR 5

SHEET NO.
38

105-71
Contractor placed 2
on 10-10-05



MARK ALAN COOK
LICENSE
No. 46974
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

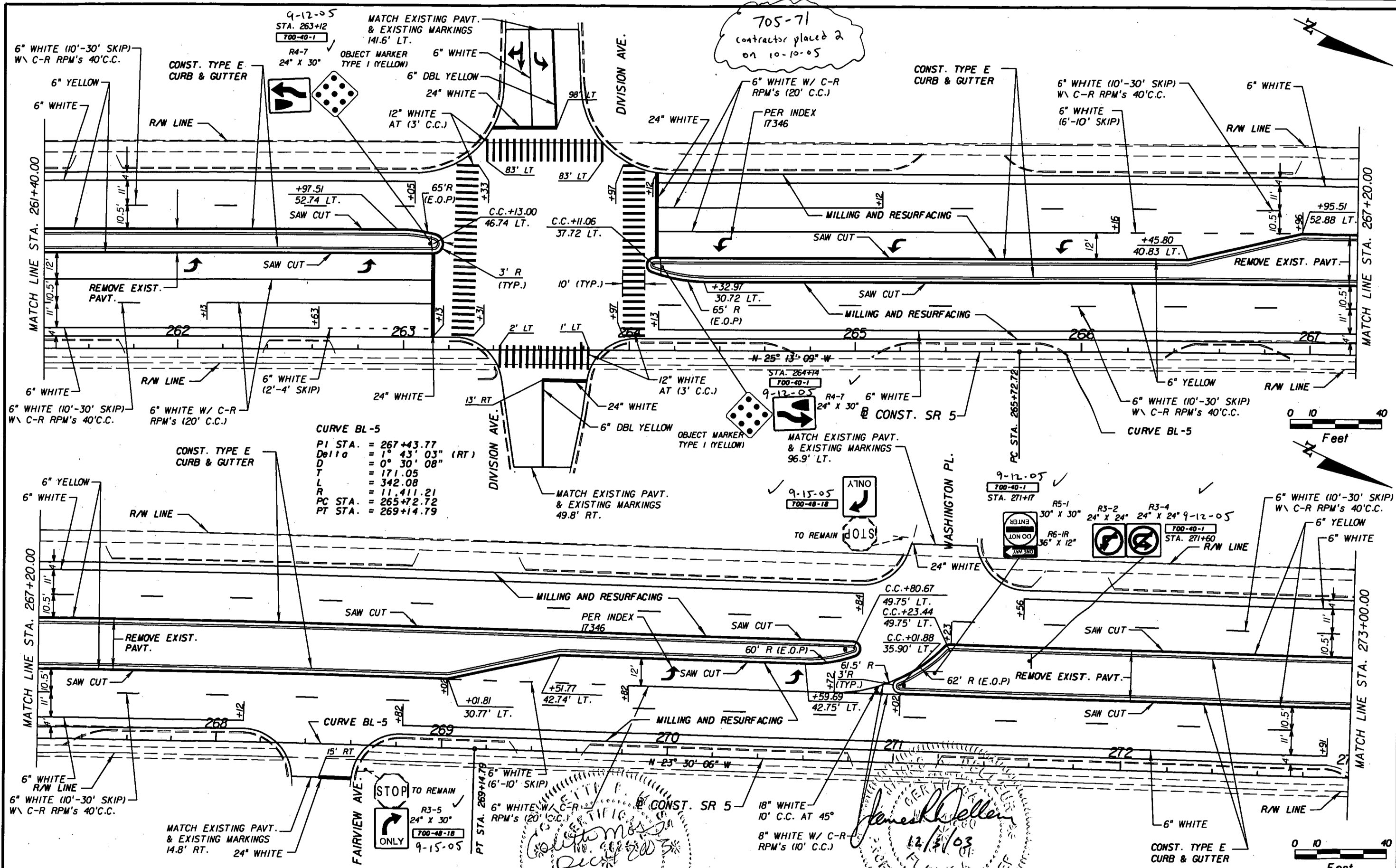
James R. Sullivan
No. 46974
STATE OF
FLORIDA
PROFESSIONAL ENGINEER


For AS BUILT
Mark A. Cook
No. 46974
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

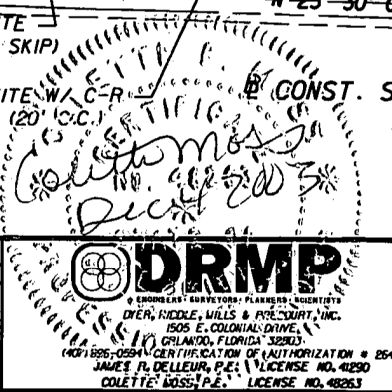
COLETTE MOSS
No. 42003
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

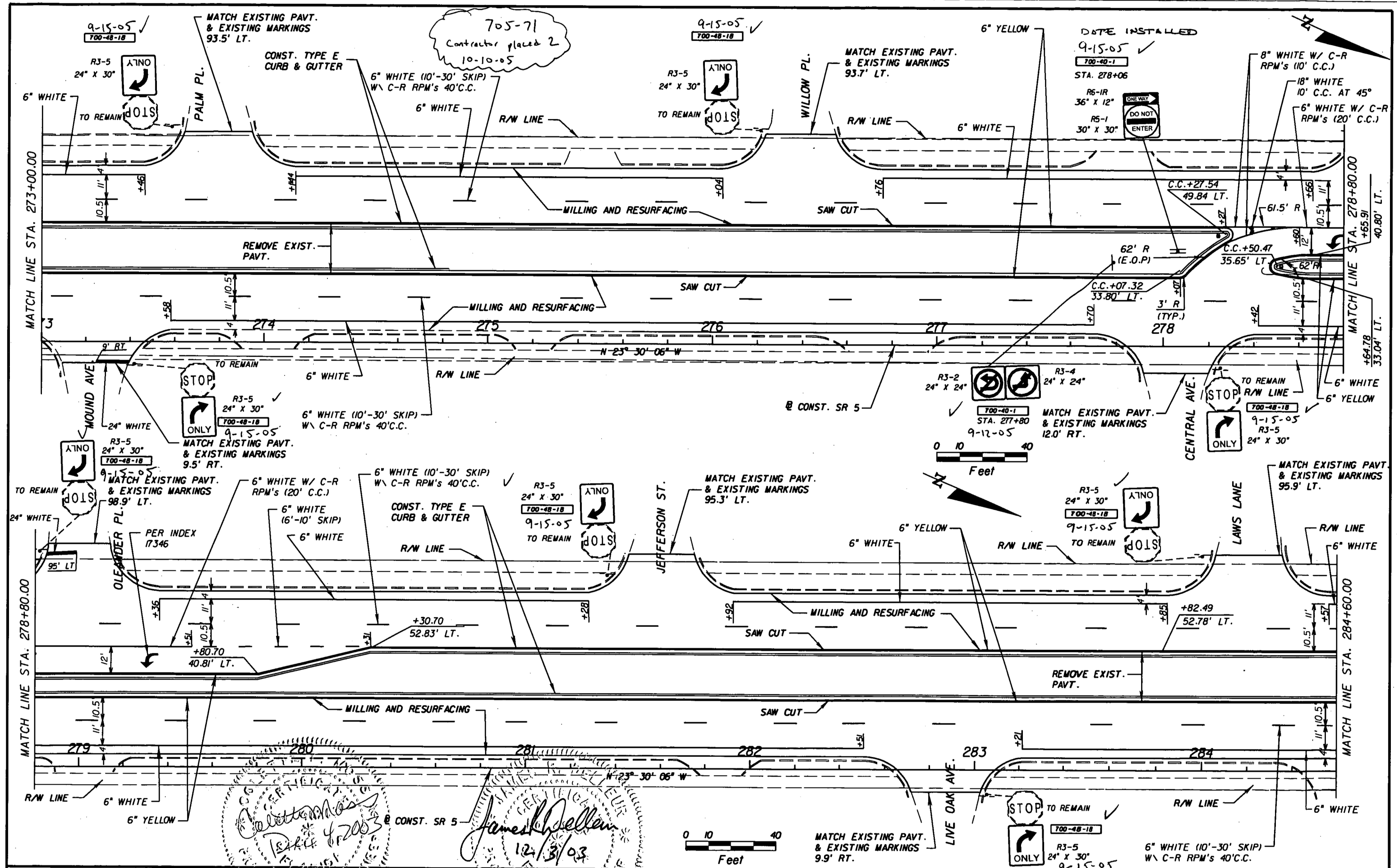
REVISIONS							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		

DRMP ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS DIETZ, RIDDLE, MILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548 JAMES R. SULLIVAN, P.E. LICENSE NO. 4290 COLETTE MOSS, P.E. LICENSE NO. 48263		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 5 COUNTY VOLUSIA FINANCIAL PROJECT ID 411777-1-52-01		PLAN SHEET SR 5 3-10-2006		SHEET NO. 39
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REVISIONS							STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN SHEET SR 5	SHEET NO. 40
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							5	VOLUSIA	411777-1-52-01		

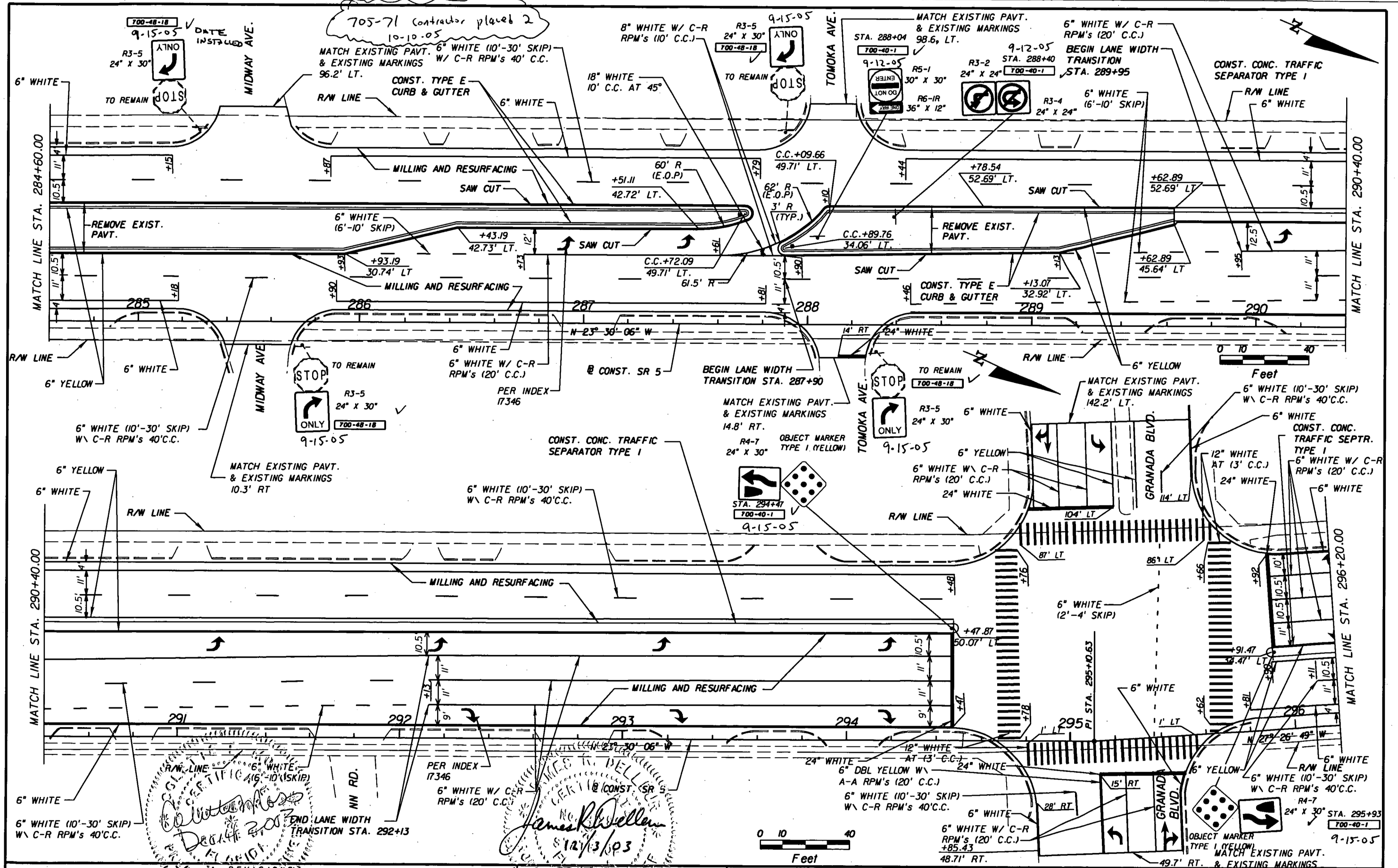




DATE			BY			DESCRIPTION		

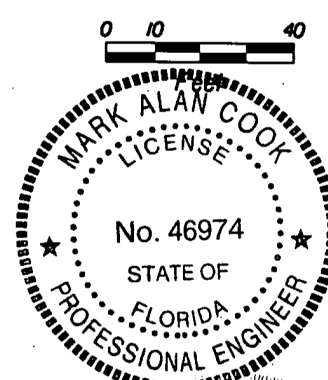
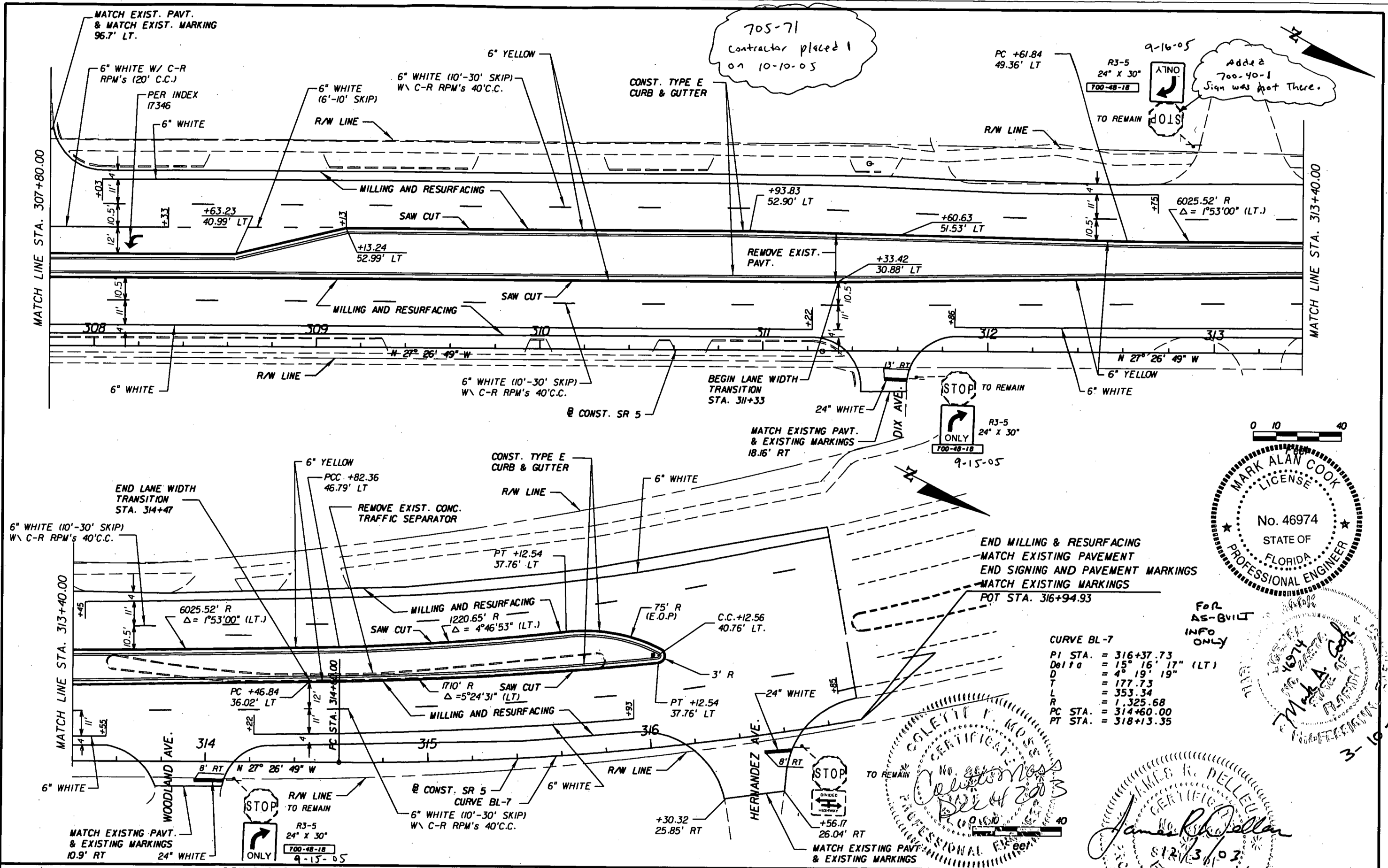
DATE	BY	DESCRIPTION

DRMP <small>DESIGN, RECONSTRUCTION, MAINTENANCE, PLANNING, SCIENTISTS</small> <small>OPER. RIGGLE, HILLS & PRECOURT, INC.</small> <small>13025 E. COLONIAL DRIVE</small> <small>ORLANDO, FLORIDA 32803</small> <small>1001-226-0294 CERTIFICATION OF AUTHORIZATION # 2648</small> <small>JAMES R. DELLEUR, P.E. LICENSE NO. 40290</small> <small>COLETTE MOSS, P.E. LICENSE NO. 40263</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <table> <tr> <td>ROAD NO.</td><td>COUNTY</td><td>FINANCIAL PROJECT ID</td></tr> <tr> <td>5</td><td>VOLUSIA</td><td>411777-1-52-01</td></tr> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	5	VOLUSIA	411777-1-52-01	PLAN SHEET SR 5 SHEET NO. 41
ROAD NO.	COUNTY	FINANCIAL PROJECT ID						
5	VOLUSIA	411777-1-52-01						



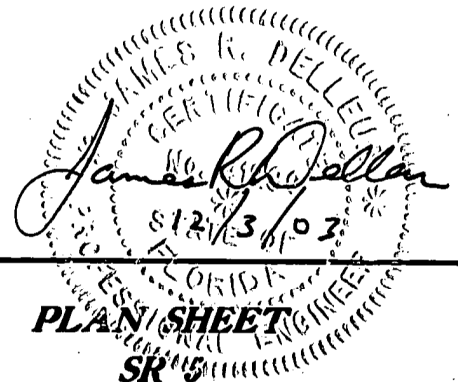
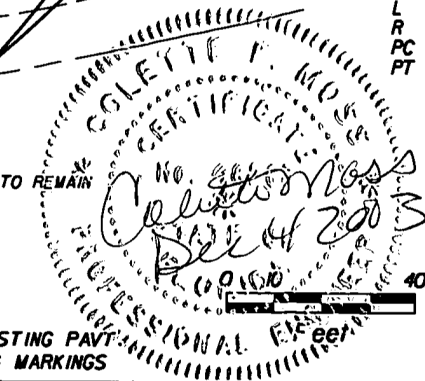
REVISIONS			DATE			DESCRIPTION		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DRMP <small>DESIGN & RECORD MAPS, INC.</small> <small>1505 E. COLONIAL DRIVE</small> <small>LAKE WORTH, FLORIDA 33460</small> <small>(407) 596-0594</small> <small>CERTIFICATION OF AUTHORIZATION # 2540</small> <small>JAMES R. DELLEUR, P.E. LICENSE NO. 41290</small> <small>COLETTE MOSS, P.E. LICENSE NO. 48263</small>			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 5 COUNTY VOLUSIA FINANCIAL PROJECT ID 411777-1-52-01		PLAN SHEET SR 5	SHEET NO. 42
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For AS-BUILT INFO ONLY

CURVE BL-7
 PI STA. = 316+37.73
 Delta = 15° 16' 17" (LT)
 D = 4° 19' 19"
 T = 177.73
 L = 353.34
 PC STA. = 314+60.00
 PT STA. = 318+13.35



REVISIONS			
DATE	BY	DESCRIPTION	

DRMP
 ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS
 DYER, RIDDLE, WILLS & PRECOURT, INC.
 1505 E. COLONIAL DRIVE
 ORLANDO, FLORIDA 32803
 (407) 896-0594 CERTIFICATION OF AUTHORIZATION # 2548
 JAMES R. DELLEUR, P.E., LICENSE NO. 46230
 COLETTE MOSS, P.E., LICENSE NO. 46263

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

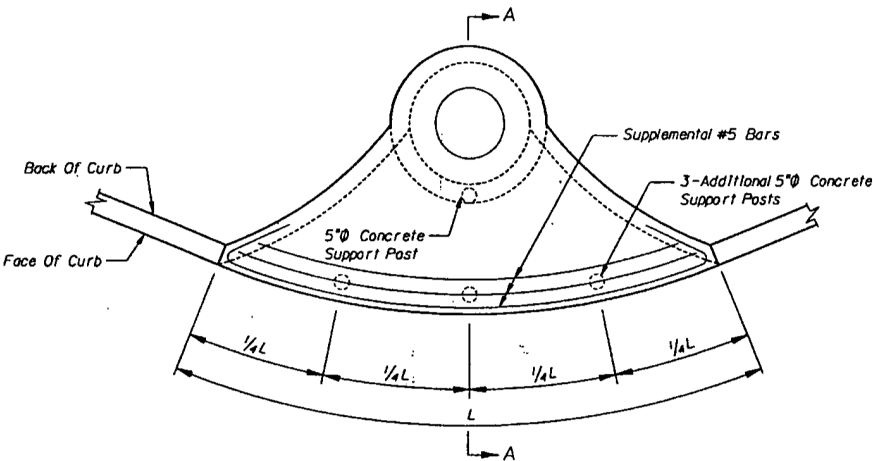
PLAN SHEET
 SR'S

SHEET NO.
44

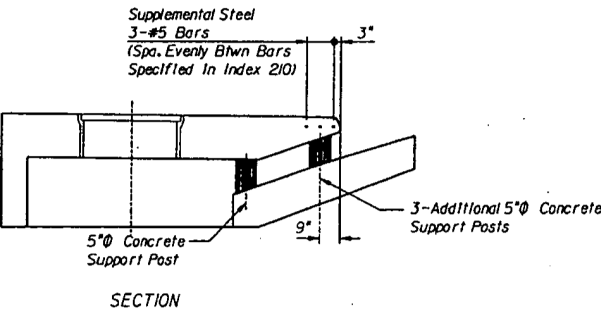
Repairs to Crushed Inlet Tops on US-1
As-Built Drawing

Repair Detail by EOR

Repair Locations



INLETS TYPES 2 AND 4
SLAB REINFORCING



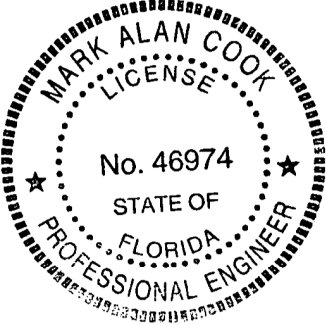
NOTES:
1. Work this Detail With Index 210.
2. Concrete Shall Be Class IV f'c = 5500 psi

CURB INLET TOPS
TYPES 1, 2, 3, & 4

Inlet Station Location	Orientation	Discription of Work to be Done
302+65	N.E. Corner	Top & Throat
285+75	N.E. Corner	Top & Throat
285+20	S.E. Corner	Top & Throat
276+15	North Bound	Patch
273+50	N.E. Corner	Top & Throat
271+45	N.W. Corner	Patch
271+00	North Bound	Top & Throat
250+70	N.W. Corner	Top & Throat
237+50	N.E. Corner	Patch
237+40	N.W. Corner	Patch
230+40	N.W. Corner	Patch
230+30	N.E. Corner	Top & Throat
227+85	North Bound	Patch
224+15	North Bound	Top & Throat
221+80	S.W. Corner	Top & Throat
207+10	S.W. Corner	Top & Throat
203+10	S.W. Corner	Deleted by JKP
195+25	N.E. Corner	Deleted by JKP
194+60	S.E. Corner	Top & Throat
184+15	N.E. Corner	Top & Throat
184+15	N.W. Corner	Top & Throat
158+36	N.E. Corner	Patch
138+20	S.E. Corner	Top & Throat
132+10	N.W. Corner	Top & Throat
125+44	N.E. Corner	Top & Throat
97+75	S.E. Corner	Top & Throat
77+20	S.E. Corner	Patch
74+50	South Bound	Patch
66+45	S.E. Corner	Patch
65+40	S.W. Corner	Patch
55+30	N.W. Corner	Patch
55+25	N.E. Corner	Top & Throat
52+00	S.E. Corner	Patch
52+00	N.W. Corner	Patch
38+70	S.E. Corner	Deleted by JKP
38+65	S.W. Corner	Patch
29+70	S.E. Corner	Patch
29+05	N.W. Corner	Patch
29+05	S.W. Corner	Top & Throat
26+15	S.W. Corner	Patch

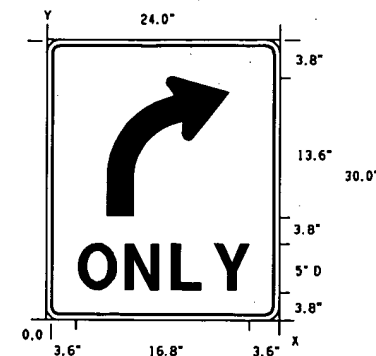
Inlet Station Location	Orientation	Discription of Work to be Done
38+70	S.W. Corner Fairview	Patch
47+65	S.W. Corner North St.	Patch
55+25	N.W. Corner Madison	Patch
66+40	S.E. Corner Mason	Patch
104+90	S.E. Corner 6th St.	Top & Throat
157+70	S.W. Corner Walker St.	Patch
184+15	N.W. Corner Flomich St.	Top & Throat
237+00	S.W. Corner Flemming Ave.	Top & Throat
279+36	N.W. Corner Oleander Pl.	Patch

"AS-BUILT"
46974
Mark A. Cook
3-10-2006



SIGN NUMBER	R3-5
WIDTH X HEIGHT	24.0" X 30.0"
BORDER WIDTH	0.75"
CORNER RADIUS	1.75"
MOUNTING	GROUND
BACKGROUND	TYPE: REFLECTIVE COLOR: WHITE
LEGEND/BORDER	TYPE: REFLECTIVE COLOR: BLACK

SIGN DETAIL



SYMBOL	X	Y	WID	HT
ARROW	6.1	12.6	12	13.6

DIMENSIONS IN INCHES

SPACINGS ARE TO START OF NEXT LETTER

Y	FONT	LETTER SPACINGS																HT
		2.6	4.69	4.41	4.41	4.80	2.6											5.0"
																		16.8"

James R. Delleur
12/3/03

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



DRMP

ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS

DYER, RIDDLE, WILLS & FRECCOURT, INC.

1505 E. COLONIAL DRIVE

ORLANDO, FLORIDA 32803

(407) 896-0594

JAMES R. DELLEUR, P.E.

CERT. OF AUTH. # 2548

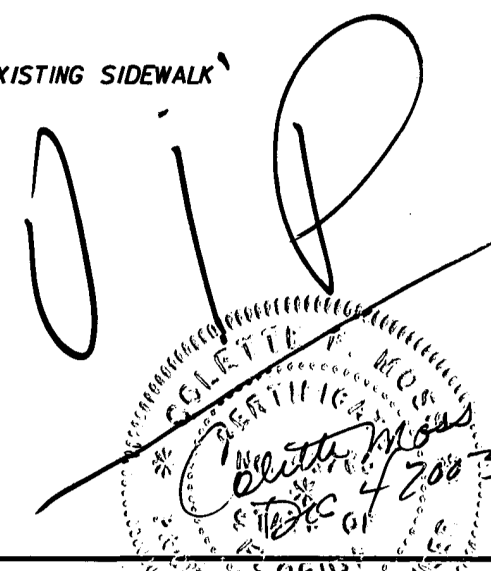
LICENSE NO. 41290

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
5	VOLUSIA	411777-1-52-01

GUIDE SIGN WORKSHEET

SHEET NO.
45

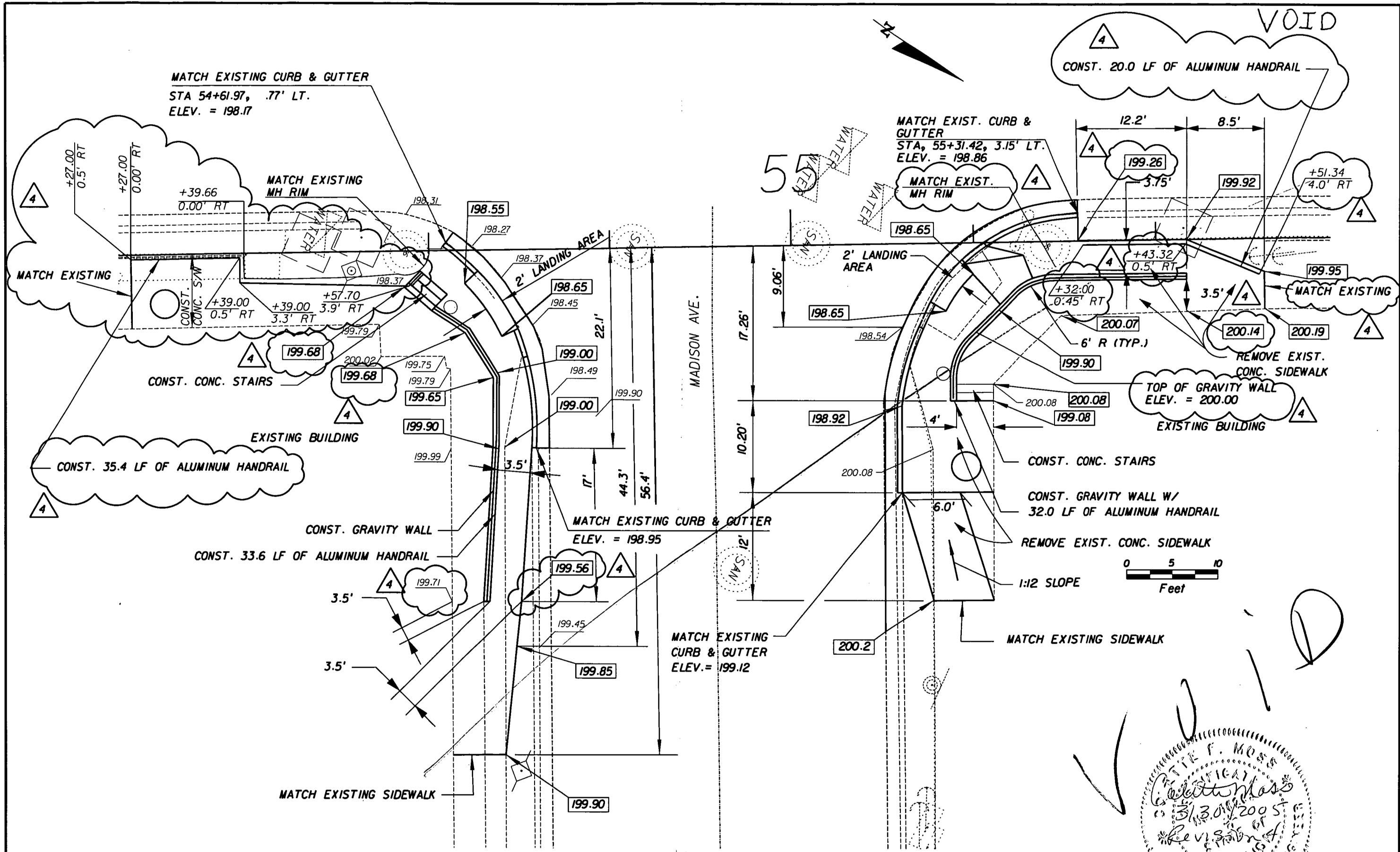
— Void —



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CURB CUT RAMP DETAILS

SHEET NO.	46
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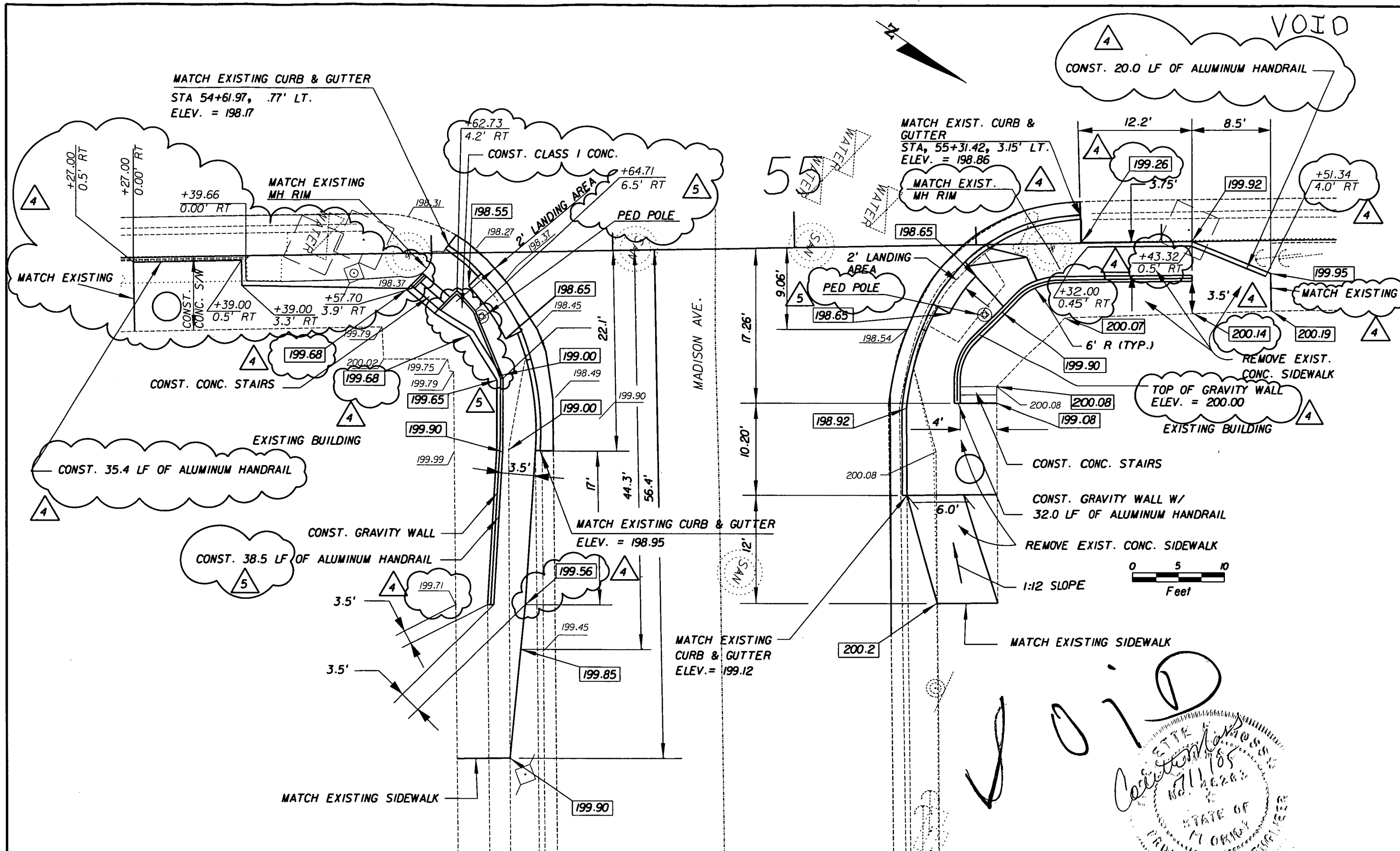
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
3/30/05	cfm	Revisions to elevations, addition of handrail and extension of sidewalk construction.			

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 ORLANDO, FLORIDA 32803
 (407) 896-0594 CERT. OF AUTH. # 2648
 JAMES R. DELLEUR, P.E. LICENSE NO. 41290

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

**CURB CUT RAMP
DETAILS**

SHEET NO.
46



1. SITE DESCRIPTION

a. Construction Activities

Construction activities will include milling and resurfacing the existing 4 lanes of urban divided roadway, minor drainage work, revisions to existing medians, the construction of medians at the 5 lane undivided section, construction and improvements to existing curb cut ramps, revising and construction traffic signals, signing and pavement marking, and revisions to existing bridge.

Project Location

The project is located on SR 5 in Volusia County, and begins in Section 38, Township 15 South, Range 32 East and extends to Section 22, Township 14 South, Range 32 East. Latitude 29° 12' 30" Longitude 81° 42' 30" (Begin Project)

Project Limits

The project is located on SR 5 in Volusia County from Milepost 0.083 (South of Bay Street) to Milepost 5.924 Hernandez Avenue.

b. Major Soil Disturbing Activities

Major soil disturbing activities include median widening and median construction.

c. Total Project Area is approximately 71.0 acres.

Total Project Area To Be Disturbed: 5.7 acres.

The Contractor is advised that for areas of disturbed soil greater than 10 acres, a temporary (or permanent) sediment basin providing 3,600 cf of storage per acre drained, or equivalent control measures shall be provided where attainable until the final stabilization of the site according to EPA FRA-4511-2.

d. (1). Estimate of Runoff Coefficients Before During and After Construction

Before Construction, c = 0.38

During Construction, c = 0.38

After Construction, c = 0.38

(2). Description Of Soil Or Quality Of Discharge

Roadway Embankment

(3). Estimates Of Size Of Drainage Area For Each Outfall

N/A - No Construction

e. Site Map

Location map is on the Key Sheet. The construction plans include plan details.

f. Receiving Waters

Halifax River

2. CONTROLS

a. Narrative - Sequence Of Soil Disturbing Activities and Implementation Of Controls

Construction Activities - General

Construction activities will include milling and resurfacing the existing multi-lane roadway and replacement of 2'8" sod strips on the shoulders. All items represented in the following discussion are treated in detail in the "Florida Department of Transportation Standard Specifications for Road and Bridge Construction", Standard Indexes, Special Provisions and Construction Plans, or will be implemented by the Contractor as directed by the Project Engineer in a manner appropriate to environmentally sensitive construction activities.

The Contractor will be required to prepare a site specific Erosion Control Plan as defined in the Special Provisions. The Contractor is advised that the contract drawings only indicate erosion, sediment, and turbidity controls at locations determined in the design process. However, the Contractor is required to prepare his Erosion Control Plan and update the SWPPP to reflect any additional controls necessary to prevent the possibility of silting any adjacent lowland parcel, receiving water, or otherwise violating State and Federal permit requirements. The Contractor will also be required to modify the plan or materials to adapt to seasonal variations.

Off-site runoff should be diverted away or through the construction area, if possible. This additional flow if not diverted can add volume and size to structural practices, require more frequent maintenance and limit effectiveness of erosion and sediment controls.

The Contractor will provide pollution control by implementing dust control during all phases of construction. This will be accomplished by using street or vacuum sweepers and watering exposed areas.

The stormwater pollution prevention plan is part of the contract documents. Any construction related information required by the NPDES permit but not specifically indicated in the stormwater pollution prevention plan can be found in the contract documents.

The Contractor will be responsible for providing a stabilized construction entrance for vehicles entering or exiting onto public roads. Stabilized construction entrances shall be provided for both on-site and off-site locations of stockpiled material. The Contractor shall modify the system or procedures as needed or as directed by the Engineer.

Water quality monitoring shall be conducted by the Contractor. The Contractor will also be responsible for monitoring any activities for violation of water quality standards as they related to turbidity (29 NTU's above background). Monitoring of water quality shall be conducted a minimum of twice daily for any earthwork activities within the structure improvement area. Monitoring will be accomplished by recording turbidity readings from the center of the stream, one (1) upstream of the activity and one (1) downstream of the erosion control devices but within the project right-of-way. If water quality standards are violated, construction should be immediately stopped and erosion control devices re-evaluated by the FDOT representative prior to any continuation of the activity. Monitoring activities and turbidity readings shall be recorded on the Construction Inspection Report and continued until turbidity readings fall below an acceptable level (29 NTU's above background). Water quality monitoring shall be conducted during all phases of construction.

All erosion and sediment controls shall be maintained in accordance with the Contractor's Erosion Control Plan and may be removed when permanent stabilization is established.

Construction Activities - Phasing


Construction activities on this project will be conducted in phases generally described below. Prior to commencement the Contractor shall provide a detailed construction schedule to indicate dates of construction activities and determine sequencing of temporary and permanent soil disturbing activities on all portions of the site. The construction schedule shall also be included in the Contractor's Erosion Control Plan.

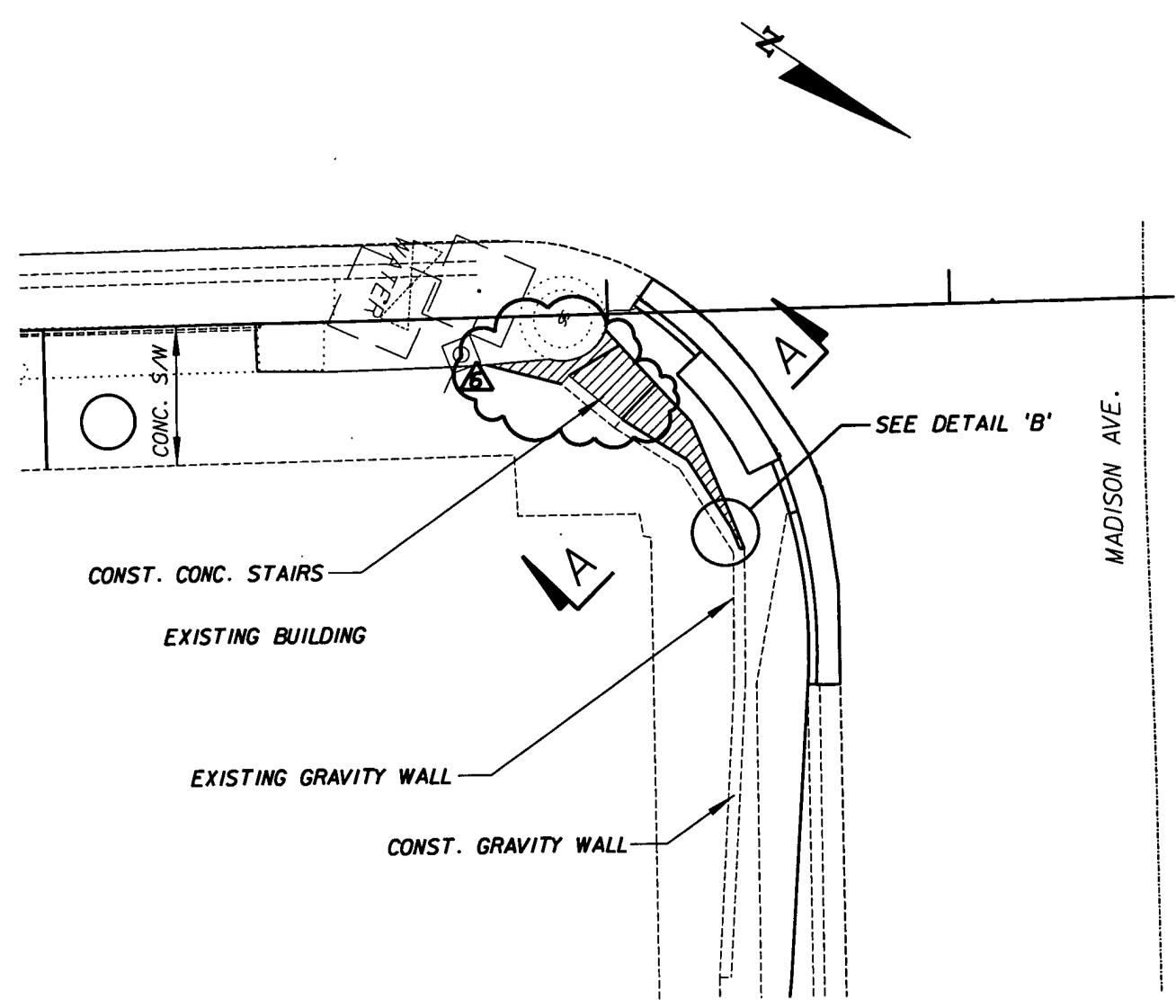
Prior to the beginning of any phase, the Contractor shall install erosion and sediment control items as specified in the Contractor's Erosion Control Plan as approved by FDOT, summary of quantities and according to "FDOT Standard Specifications for Road and Bridge Construction" indexes 102, 103, 104, 105, and 199. Applicable erosion control devices and implementation procedures are supplied in the contract documents and Standard Indexes.

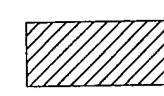
Stabilization measures shall be initiated as soon as practicable, but in no case more than 7 days, in portions of the site where construction activities have temporarily or permanently ceased, as specified in DEP Document No. 62-621.300(4Xa).

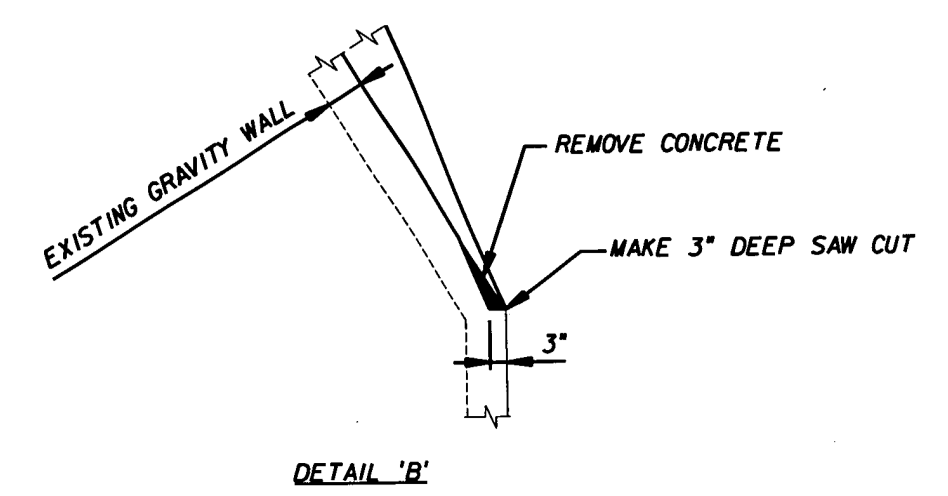
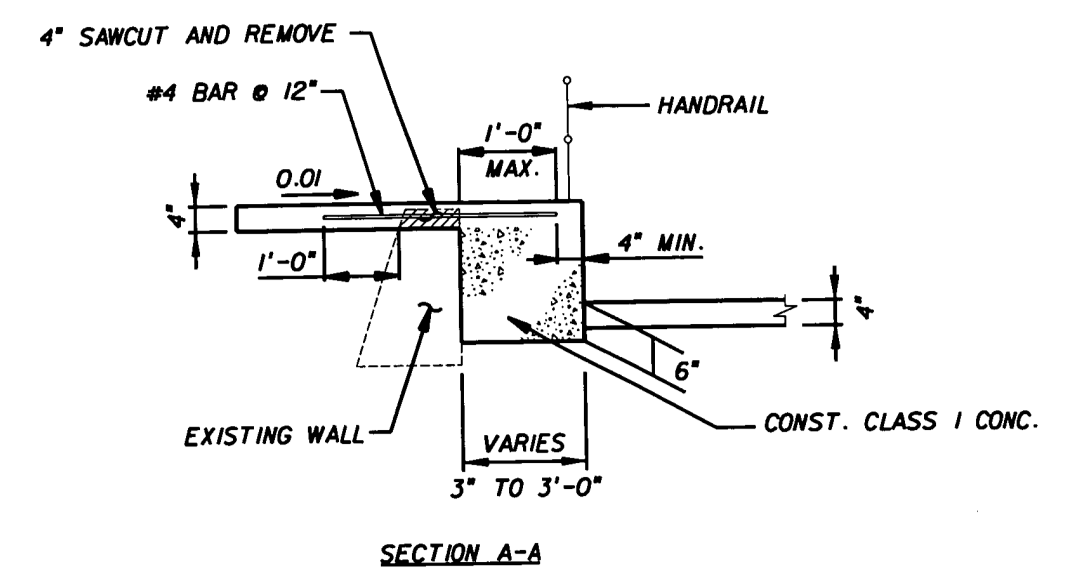
All erosion and sediment controls shall be maintained in accordance with the Contractor's Erosion Control Plan and may be removed when permanent stabilization is established.


There is no detailed construction phasing for this project. Contractor shall install all erosion and sediment controls prior to beginning construction. Contractor shall remove all temporary erosion and sediment controls and restore areas after completion of construction.

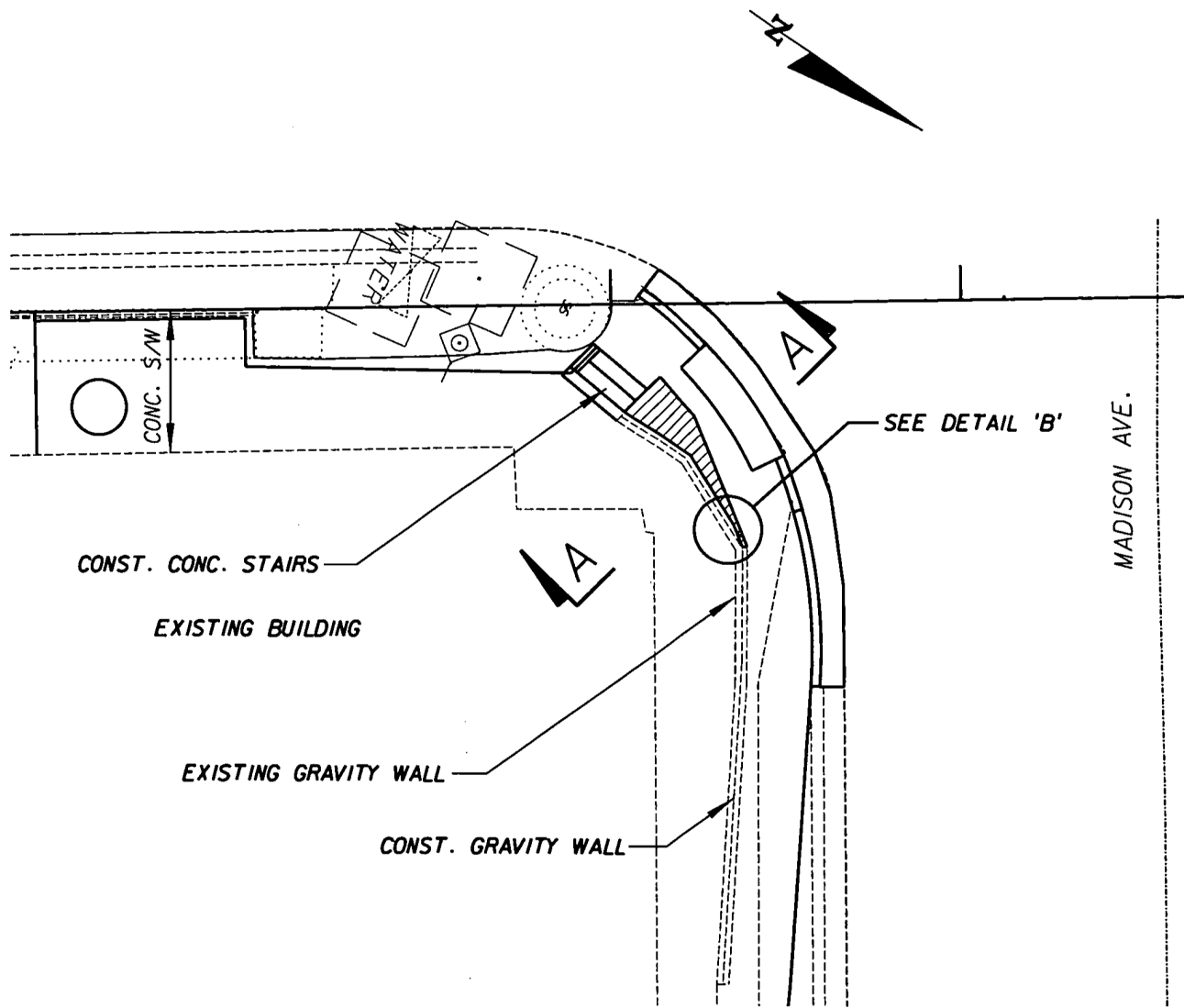
REVISIONS						 DRMP ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS D'ER, RIDDLE, MILLS & PRECOURT, INC. 1505 E. COLONIAL DRIVE ORLANDO, FLORIDA 32803 CERTIFICATE OF AUTHORIZATION NO. 2648 KEN KNIEL, PE LICENSE NO. 37300 <th colspan="3">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</th> <th rowspan="3">STORMWATER POLLUTION PREVENTION PLAN</th> <th rowspan="3">SHEET NO. 46A</th>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO. 46A
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 5	VOLUSIA	411777-1-52-01		

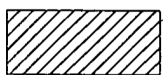


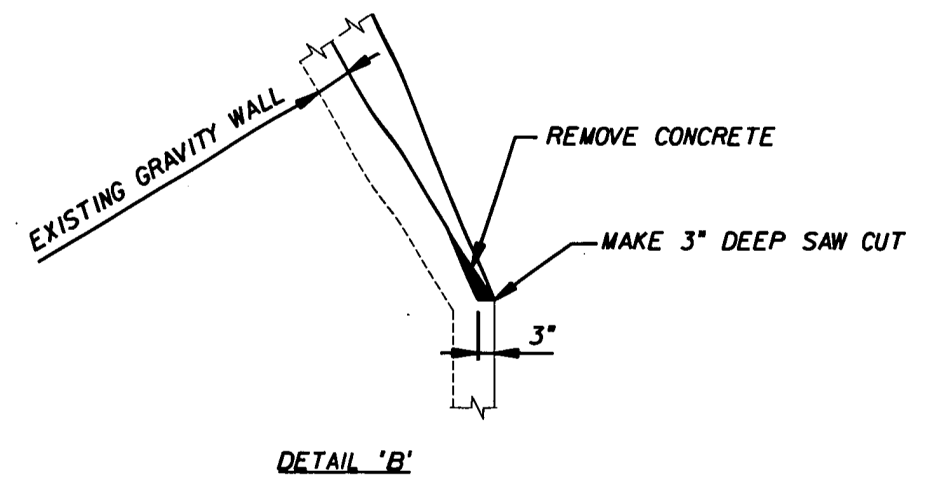
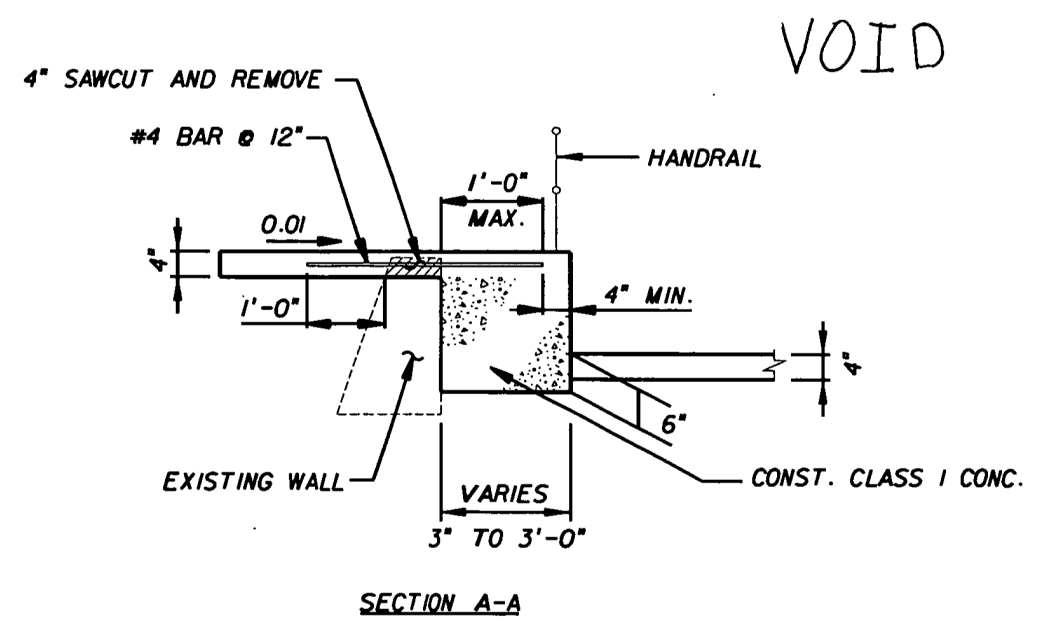
 **CONST. CLASS I CONCRETE**



REVISIONS						<div>  DRMP <small>ENGINEERS - SURVEYORS - PLANNERS - SCIENTISTS</small> <small>DYER, RIDDLE, MILLS & PRECOURT, INC.</small> <small>1505 E. COLONIAL DRIVE</small> <small>ORLANDO, FLORIDA 32803</small> <small>(407) 896-0594 CERT. OF AUTH. # 2548</small> <small>Colette F. Moss, P.E. LICENSE NO. 48263</small> </div>			<div> STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION </div>		<div> CURB CUT RAMP DETAILS </div>		<div> SHEET NO. 4600 </div>
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION								
7/1/05	CFM	5 Added Sheet						SR 5	VOLUSIA	41177-1-52-01			
7/28/05	CFM	6 Removed Stairs and extended Concrete Wall											




 CONST. CLASS I CONCRETE




VOID

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
7/1/05	CFM	5 ADDED SHEET			



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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01



**CURB CUT RAMP
DETAILS**

SHEET NO.
46aa

- b. Erosion And Sediment Controls:
1. Stabilization Practices To Be Implemented
- Stabilization measures shall be initiated as soon as practicable, but in no case more than 7 days, in portions of the site where construction activities have temporarily or permanently ceased, as specified in DEP Document No. 62-621.300(4Xa). Additionally, areas disturbed during construction are to be sodded.
2. Structural Practices Will Include:
- * Turbidity Barrier Floating
 - * Rock Bags
- Structural practices listed above shall be used according to the Contractor's approved Erosion Control Plan. All other erosion control devices shall be installed according to the contract documents or FDOT Roadway and Traffic Design Standards.
- c. Description Of Stormwater Management
- The existing drainage patterns will not be modified or affected by the roadway improvements. In general, the existing stormwater management systems consist of pavement areas draining to curb inlets to offsite drainage canals or other waters. No stormwater ponds are present.
- d. Other Controls
1. Waste Disposal
- The Contractor will 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 standards practices as detailed by the manufacturer. No soil materials including building and construction materials shall be discharged to wetlands or buried on-site.
- This section is to be developed as a part of the Contractor's SWPPP.
2. Off Site Vehicle Tracking Will Be Controlled By The Following Methods:
- * Loaded Haul Trucks to be covered with Tarpaulin
 - * Excess Dirt on Road Removed Daily
 - * Stabilized Construction Entrance
- Other:
- Excess dirt on the roads shall be removed daily. The Contractor will provide pollution control by implementing dust control during dust generating activities such as excavation and milling operations. This will be accomplished by using street or vacuum sweepers or watering. Excess dirt shall be prevented from entering existing inlets.
- The Contractor shall be responsible for constructing and maintaining stabilized construction entrances when entering or exiting onto a public road for on-site and off-site locations of stockpiles material.
- The Contractor shall be responsible for modifying the system or procedures as needed as directed by the Project Engineer.
- This section is to be developed as a part of the Contractor's SWPPP.
3. Sanitary Waste
- All Sanitary waste will be collected from portable units by licensed Sanitary Waste Management Contractor as required by state regulations.
- This section is to be developed as a part of the Contractor's SWPPP.
4. Fertilizers And Pesticides
- Fertilizers and soil sterilizers will be used on this project in accordance with "FDOT Standard Specifications for Road and Bridge Construction", Section 982 at the discretion of the Contractor with coordination of the Project Engineer.
- This section is to be developed as a part of the Contractor's SWPPP.
5. Non-Stormwater Discharge (Including Spill Reporting)
- The Contractor will provide the FDOT with an Erosion Control Plan that will include spill reporting and response. When the Contractor encounters a spill, construction will stop and work will not resume until directed by the Project Engineer. Disposition of hazardous waste will be made in accordance with any requirements and regulations of any local, state, or federal agency having jurisdiction.
3. MAINTENANCE
- The contractor shall be responsible for maintaining all pollution prevention controls. Daily inspections shall be made by the contractor to determine the effectiveness of erosion, sedimentation, turbidity, and pollution control measures. Remedial action shall be performed immediately.
- Maintenance and repair required for the control and abatement of erosion and water pollution shall be included in the cost of Pay Items 104-13-1 and 104-10-1.

The following practices will be used to maintain erosion and sediment controls:

- a. General
- The Contractor shall install and maintain rain gauges on the project site and record weekly rainfall in accordance with NPDES Permit No. FLR 100000. All control measures will be maintained daily by the Contractor.
- All measures will be maintained in good working order. If a repair is necessary, it will be initiated immediately.
- b. Structural Practices Controls
- Built-up sediment will be removed from silt fence and staked turbidity barriers when it has reached one-third the height of the fence.
- Temporary and permanent seeding, sodding and planting will be inspected for bare spots, washouts, and healthy growth.
- Stabilized construction entrances shall be maintained to prevent clogging of rock bedding which may impede the usefulness of the structure.
4. INSPECTION
- a. Inspection Areas
- The contractor is required to inspect all erosion control features at least once every seven calendar days and within 24 hours of the end of a storm of 0.5 inches (12.7 mm) or greater. In addition, maintain all erosion control features as required herein and as specified in State and/or Federal environmental regulatory permits. This includes, but is not limited to, the daily review of the location of silt fences in areas where construction activities have changed the natural contour and drainage runoff to ensure that silt fences are properly located for effectiveness. The Contractor will use FDOT Form 650-040-03 to report all inspection findings and corrective actions taken as a result of the inspection. The Contractor will sign each inspection report and submit it weekly to the Project Engineer. The Contractor must update the SWPPP with any modifications to locations or types of erosion and sediment controls.

Locations of areas to be inspected may include:

- * Discharge points to Waters of the United States
- * Discharge points to MS4 facilities
- * Areas not meeting the "Final Stabilization" criteria
- * Materials storage/stockpiles
- * Sedimentation facilities
- * Structural facilities
- * Vehicle Entrances/Exits
- * On-Site stormwater management systems

The Contractor's daily inspection required for the control and abatement of erosion and water pollution shall be included in the cost of Pay Items 104-13-1 and 104-10-1.

The Department shall maintain all required reports submitted by the Contractor and the Contractor shall complete all SWPPP inspection report forms required for the NPDES permit.

Preparation of the Contractor's weekly reports of inspections, maintenance and repairs required for the control and abatement of erosion and water pollution, shall be included in the cost of Pay Items 104-13-1 and 104-10-1.

5. TRACKING AND REPORTING

The Contractor shall submit a weekly report to the Project Engineer documenting the daily inspections and maintenance or repairs to the erosion and sediment control devices.


The Project Engineer shall maintain all records submitted by the Contractor. The Contractor shall complete all SWPPP inspection report forms required for the NPDES permit.

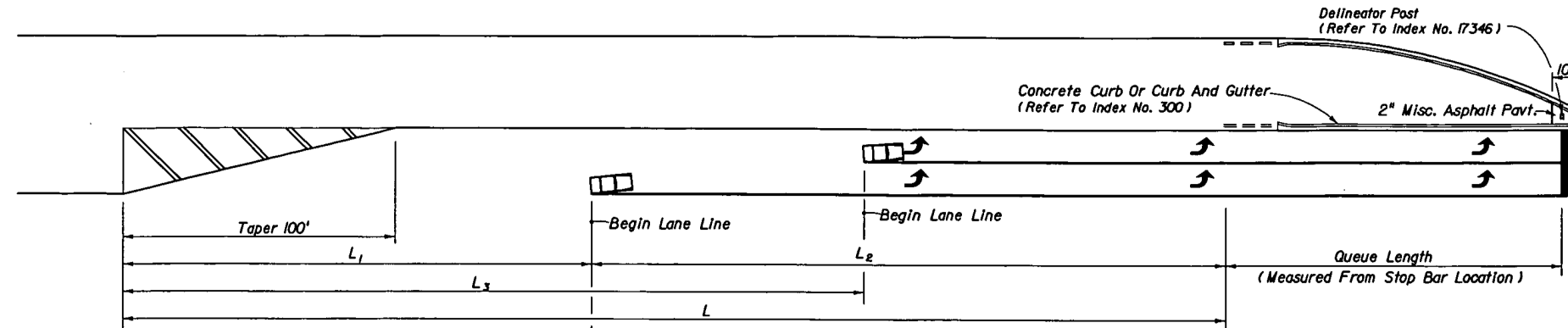
Preparation of the Contractor's weekly reports of inspections, maintenance and repairs, required for the control and abatement of erosion and water pollution, shall be included in the cost of Pay Items 104-13-1 and 104-10-1.

6. QUANTITIES

Erosion control quantities are summarized in the table below. The quantities computations sheets which detail locations and quantities of erosion control items are included in computation book. The construction plans, as hereby referenced and made a part of this Stormwater Pollution Prevention Plan.

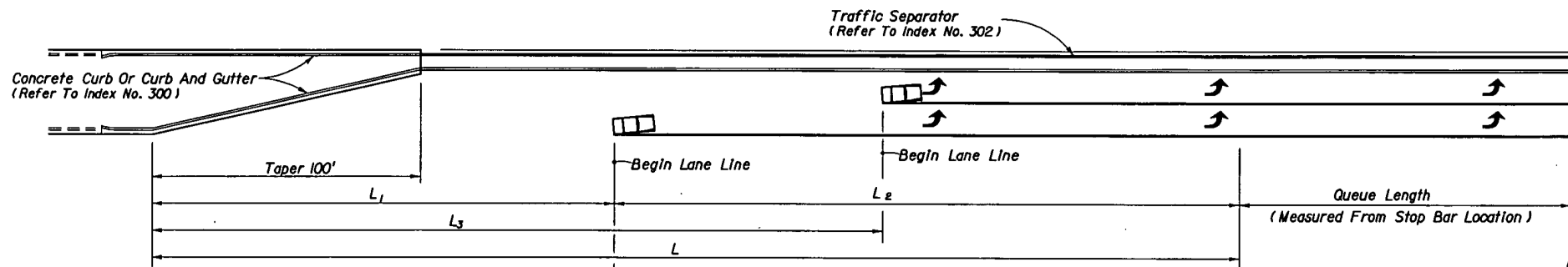
ITEM	UNIT	QUANTITY	PAY ITEM NO.
Rock Bags	EA	4500	104-16
Turbidity Barrier Floating	LF	110	104-11

REVISIONS						 DRMP ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS DYER, RIDDLE, MILLS & PRECOURT, INC. 1505 E. COLUMBIA DRIVE ORLANDO, FLORIDA 32803 (407) 896-0594 KEN KRIEL, PE CERT. OF AUTH. # 2648 LICENSE NO. 37300	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO. 46B
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
							SR 5	VOLUSIA	411777-1-52-01		



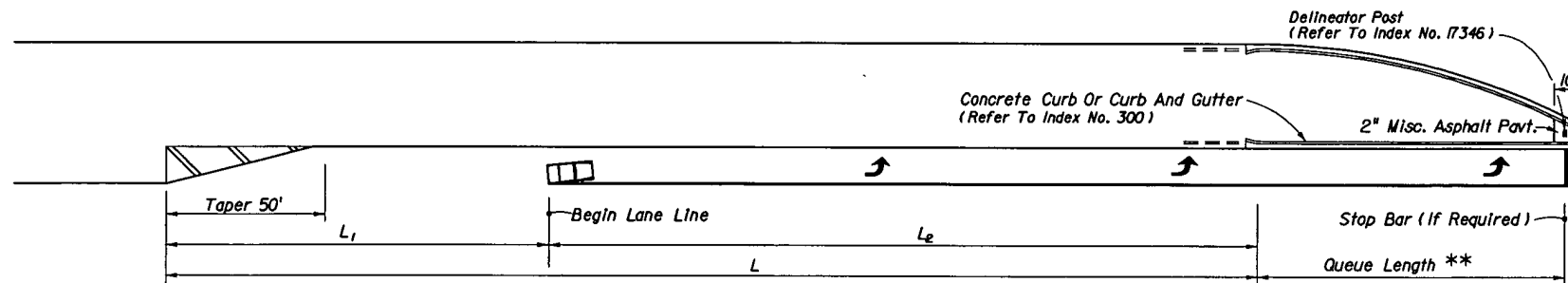
Brakes Applied After Turning Vehicle Clears Through Lane;
Entry Speed: 10 mph Below Design Speed For Urban Condition
Average Running Speed For Rural Condition

FLUSH AND/OR CURBED SEPARATION



Brakes Applied After Turning Vehicle Clears Through Lane;
Entry Speed: 10 mph Below Design Speed For Urban Condition
Average Running Speed For Rural Condition

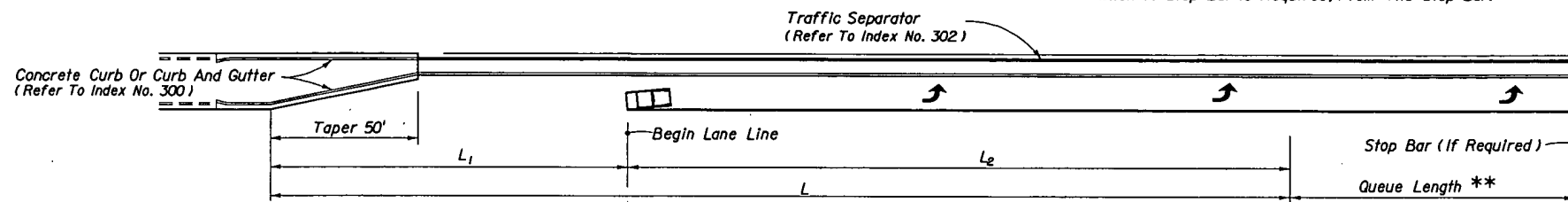
RAISED SEPARATION
DOUBLE LEFT TURNS



Brakes Applied After Turning Vehicle Clears Through Lane;
Entry Speed: 10 mph Below Design Speed For Urban Condition
Average Running Speed For Rural Condition

FLUSH AND/OR CURBED SEPARATION

** Queue Length Is Measured From The Median Nose Radial Point Or,
When A Stop Bar Is Required, From The Stop Bar.



Brakes Applied After Turning Vehicle Clears Through Lane;
Entry Speed: 10 mph Below Design Speed For Urban Condition
Average Running Speed For Rural Condition

RAISED SEPARATION
SINGLE LEFT TURNS

TURN LANES

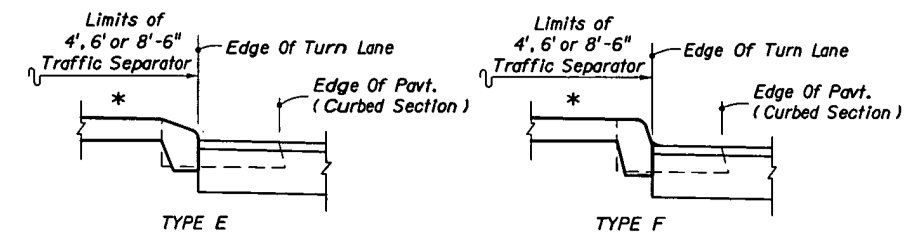
DESIGN NOTES

1. Basis for turn lane configurations:
 - Informed Driver.
 - Stop condition (With Or Without Stop Control).
 - Wet Pavement.
 - Reaction preceding entry point.
 - Minimum braking distance for urban conditions.
 - 75' min. for L_2 .
 - Comfortable deceleration rates for rural conditions (AASHTO 2001 threshold rate of 11.2 ft/s²).

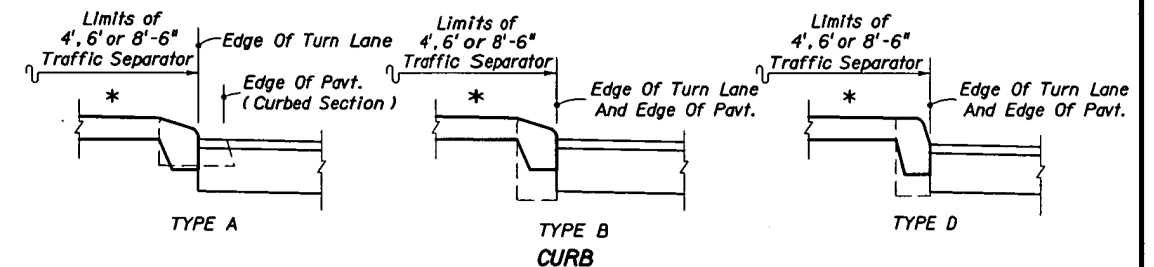
Date: 12-06-02

TURN LANES • CURBED AND UNCURBED MEDIANS

Design Speed (mph)	Entry Speed (mph)	Clearance Distance L_1	URBAN CONDITITONS			RURAL CONDITITONS		
			Brake To Stop Distance L_2	Total Decel. Distance L	Clearance Distance L_3	Brake To Stop Distance L_2	Total Decel. Distance L	Clearance Distance L_3
35	25	70'	75'	145'	110'	—	—	—
40	30	80'	75'	155'	120'	—	—	—
45	35	85'	100'	185'	135'	—	—	—
50	40/44	105'	135'	240'	160'	185'	290'	160'
55	48	125'	—	—	—	225'	350'	195'
60	52	145'	—	—	—	260'	405'	230'
65	55	170'	—	—	—	290'	460'	270'



CURB AND GUTTER



For Curb And Gutter Types, See Index No. 300
* Option I Separators Shown (Refer To Index No. 302)

MEDIAN CURB AND TRAFFIC SEPARATOR JUNCTURE DETAILS

GENERAL NOTES

1. The plan views shown are for turn lane taper shapes and dimensional purposes only, they do not prescribe the use of curb, curb and gutter, shoulders nor separators specifically to either rural or urban conditions.
2. Total deceleration distances must not be reduced except where lesser values are imposed by unrelatable control points.
3. Right turn lane tapers and distances identical to left turn lanes under stop control conditions. Right turn lane tapers and/or distances are site specific under free flow or yield conditions.
4. These left turn configurations apply to continuous left turn lanes only where specifically called for in the plans.
5. For pavement markings see Index No. 17346.

INTERIM STANDARD IN ENGLISH UNITS
APPLICABLE TO DESIGN STANDARDS
BOOKLET PUBLISHED IN ENGLISH UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

TURN LANES

INTERIM STANDARD

APPROVED BY

THIS SHEET REPLACES INDEX NO. 301 OF THE DESIGN STANDARDS BOOKLET DATED JANUARY 2002.

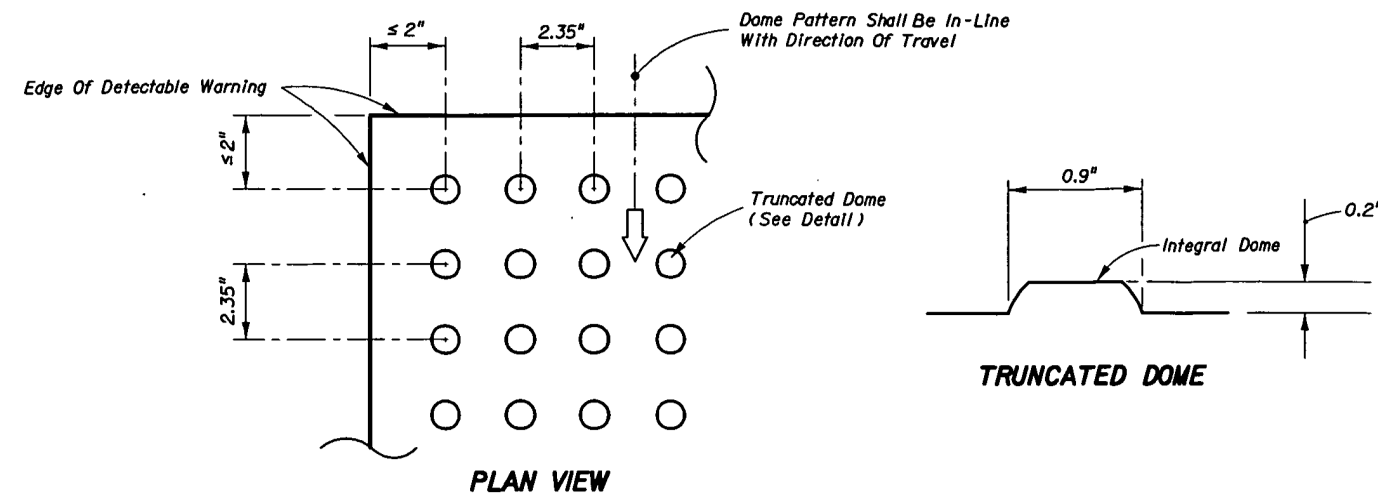
REVISION NO.

SHEET NO.

INDEX NO.

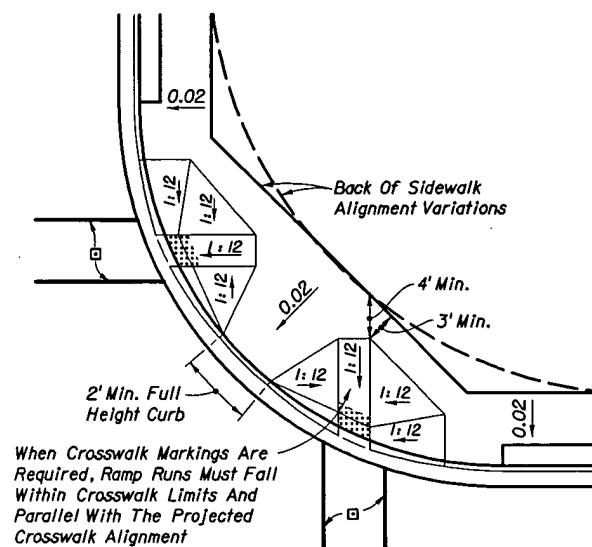
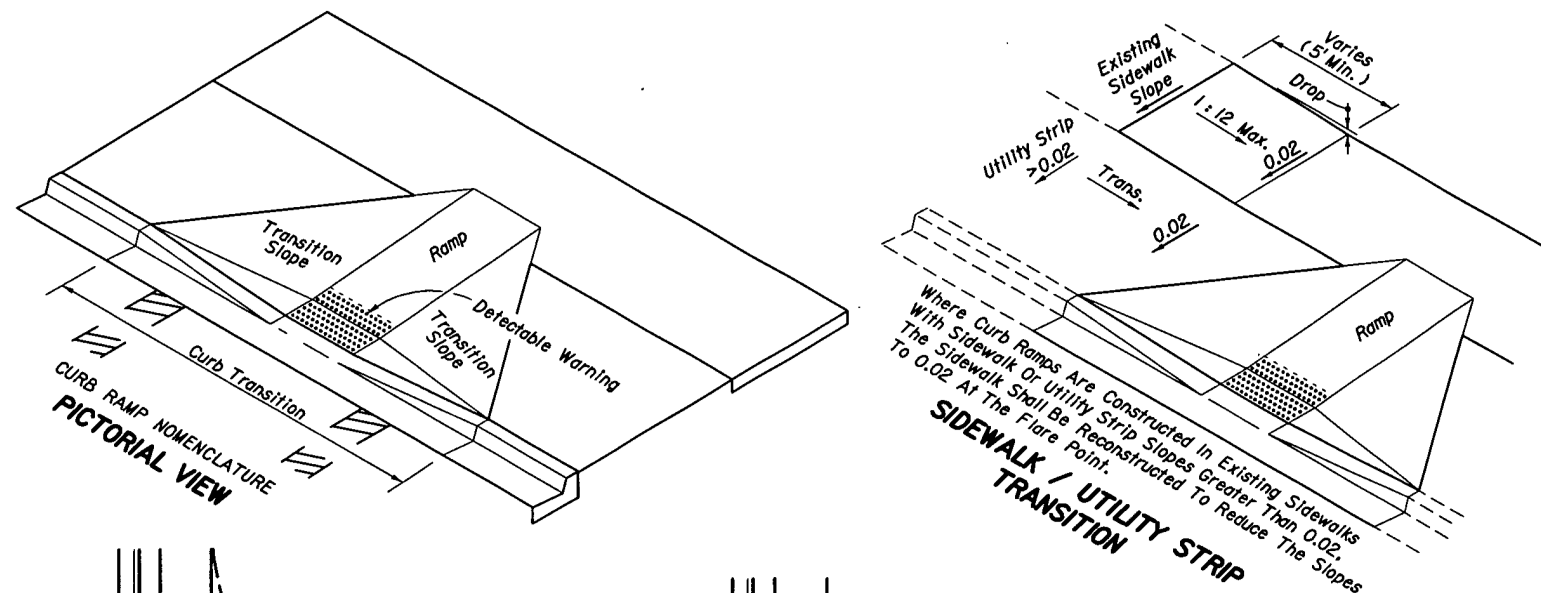
1 of 1

0301



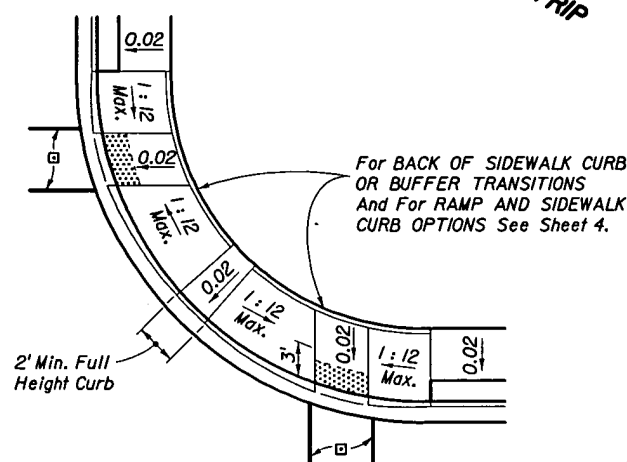
All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.

CURB RAMP DETECTABLE WARNING

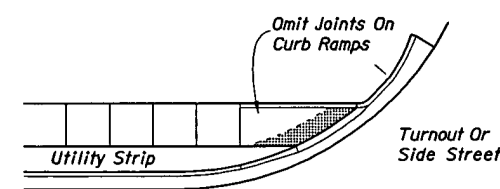


□ Crosswalk widths and configuration vary; must conform to Index No. I7344 and I7346.

TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMP AT CURBED RETURNS



Note: A portion of one or both ramps may extend outside the return.



LINEAR SIDEWALK RAMPS

1. Public sidewalk curb ramps shall be constructed in the public right of way at locations that will provide continuous unobstructed pedestrian circulation paths to pedestrian areas, elements and facilities in the public right of way and to accessible pedestrian routes on adjacent sites. Curbed facilities with sidewalks and those without sidewalks are to have curb ramps constructed at all street intersections and at turnouts that have curbed returns. Partial curb returns shall extend to the limit prescribed by Index No. 515 to accommodate curb ramps. Ramps constructed at locations without sidewalks shall have a landing constructed at the top of each ramp, see Sheet 5.

2. The location and orientation of curb ramps shall be as shown in the plans.

3. Curb ramp running slopes at unrestrained sites shall not be steeper than 1:12 and cross slope shall be 0.02 or flatter. Transition slopes shall not be steeper than 1:12.

When altering existing pedestrian facilities where existing site development precludes the accommodation of a ramp slope of 1:12, a running slope between 1:12 and 1:10 is permitted for a rise of 6" maximum and a running slope of between 1:10 and 1:8 is permitted for a rise of 3" maximum. Where compliance with the requirements for cross slope cannot be fully met, the minimum feasible cross slope shall be provided.

Ramp running slope is not required to exceed 8' in length, except at sites where the plans specify a greater length.

4. If a curb ramp is located where pedestrians must walk across the ramp, then the walk shall have transition slopes to the ramp; the maximum slope of the transitions shall be 1:12. Ramps with curb returns may be used at locations where other improvements provide guidance away from that portion of curb perpendicular to the sidewalk; improvements for guidance are not required at curb ramps for linear pedestrian traffic.

5. Curb ramp detectable warning surfaces shall extend the full width of the ramp and in the direction of travel 24" from the back of curb. Detectable warning surfaces shall be constructed by texturing a truncated dome pattern in conformance with U.S. Department of Justice A.D.A. Standards For Accessible Design, A.D.A. Accessibility Guidelines, Section 4.29.2, (detail shown above left). Transition slopes are not to have detectable warnings.

6. Unless otherwise called out in the plans, the ramp detectable warning surface shall be colored in accordance with Section 351 of the Standard Specifications.

7. Where a curb ramp is constructed within existing curb, curb and gutter and/or sidewalk, the existing curb or curb and gutter shall be removed to the nearest joint beyond the curb transitions or to the extent that no remaining section of curb or curb and gutter is less than 5' long. The existing sidewalk shall be removed to the nearest joint beyond the transition slope or walk around or to the extent that no remaining section of sidewalk is less than 5' long.

8. Alpha-numeric identifications are for reference (plans, permits, etc.).

9. Public sidewalk curb ramps are to be paid for as follows:
Ramps, reconstructed sidewalks, walk around sidewalks, sidewalk landings and sidewalk curbs are to be paid for under the contract unit price for Sidewalk Concrete, (Type —) Thick, SY. Curb transitions and reconstructed curbs are to be paid for under the contract unit price for the parent curb, i.e., Curb Conc., (Type —), LF or Curb and Gutter Conc., (Type —), LF.

When a separate pay item for the removal and disposal of existing curb, curb and gutter, and/or sidewalk is not provided in the plans, the cost of removal and disposal of these features shall be included in the contract unit price for new curb, curb and gutter and/or sidewalk respectively.

DESIGN NOTES

1. The color requirement in General Note 6 is to provide a dark-on-light visual contrast between the detectable warning surface and the adjacent walking surface. Where adjacent walking surfaces are colored or are constructed with materials other than standard Class I Portland Cement Concrete in accordance with Section 522 of the Standard Specifications, the plans must provide for detectable warning surface colors or materials that provide the necessary contrast, either dark-on-light or light-on-dark.

Use of this Interim Index is discretionary through the December 2002 project letting date; use is mandatory beginning with projects let to contract in January 2003.

Revisions To Index No. 304 (Sheet 1 of 5):
(a) Note 3, paragraph 1, sentences 3 and 4- Sentences deleted.
(b) Note 5-Tactile surface references deleted and detectable warning requirements substituted.
(c) Pictorial View-Ramp surface notation revised.
(d) 'CURB RAMP DETECTABLE WARNING' detail added.
(e) Notes 6, 7 & 8: Renumbered 7, 8 & 9: New Note 6 inserted.
(f) Design Notes added.

Revised: 7-24-02

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS BOOKLET PUBLISHED IN ENGLISH UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

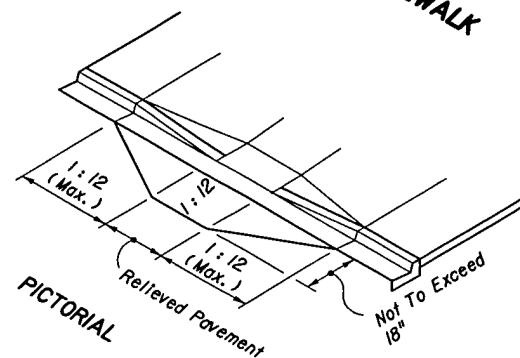
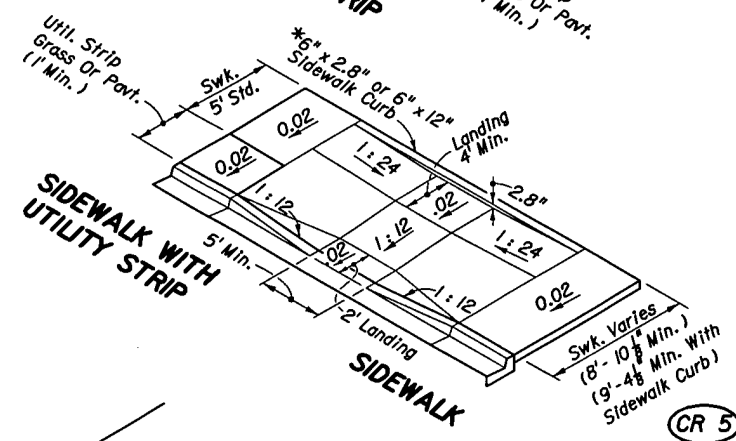
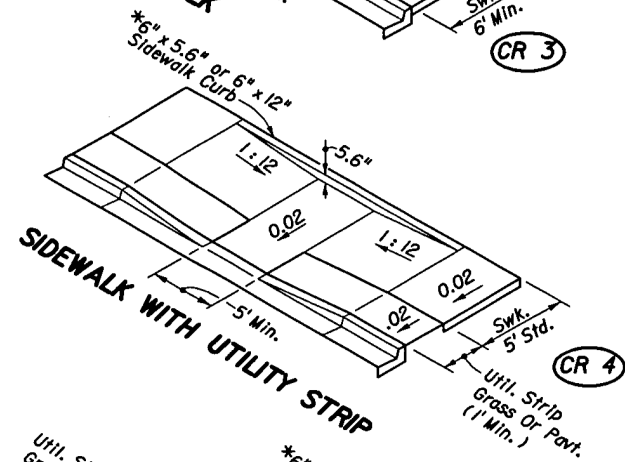
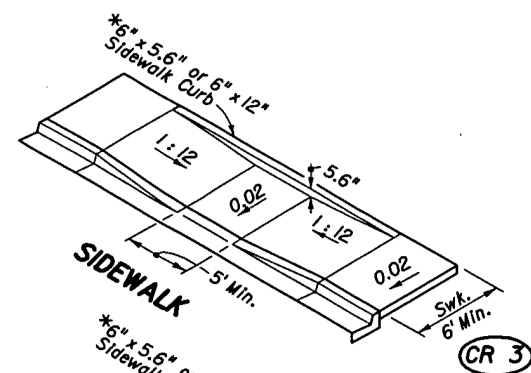
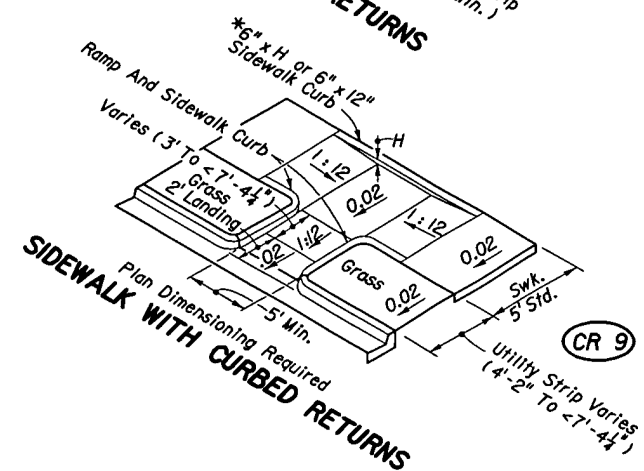
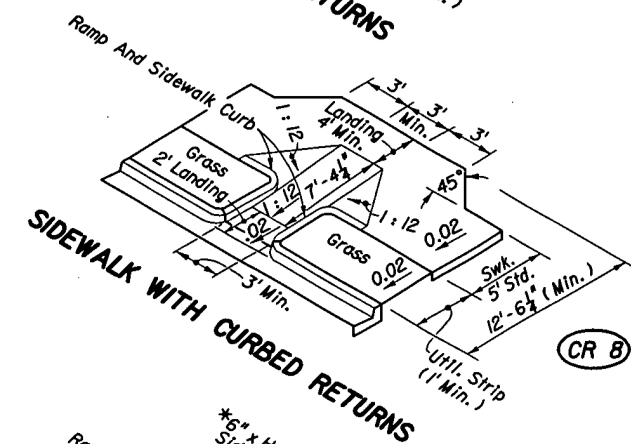
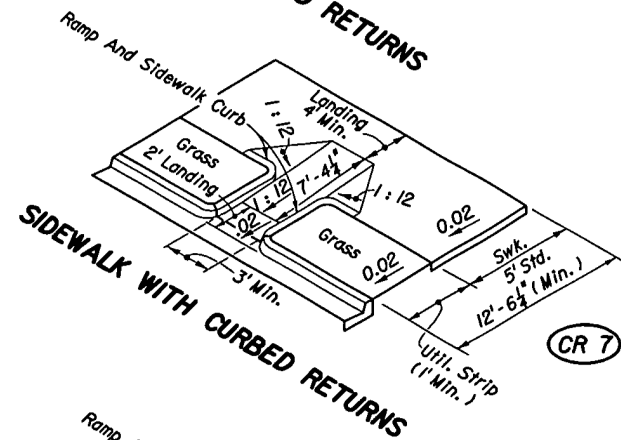
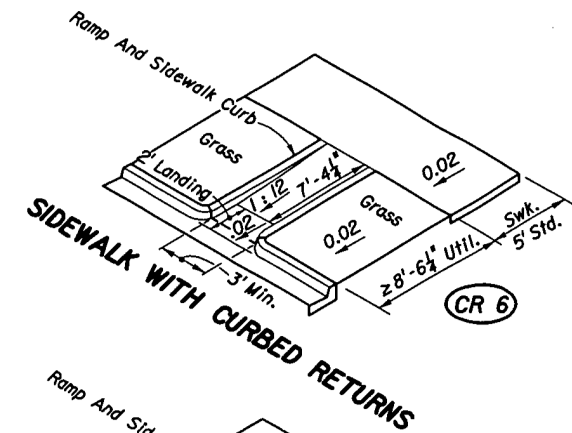
PUBLIC SIDEWALK CURB RAMPS

INTERIM STANDARD

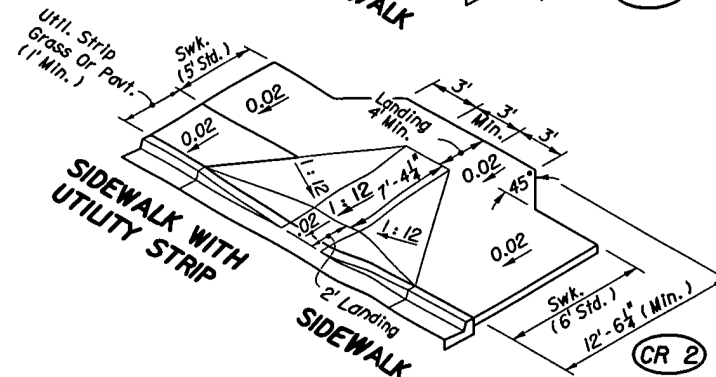
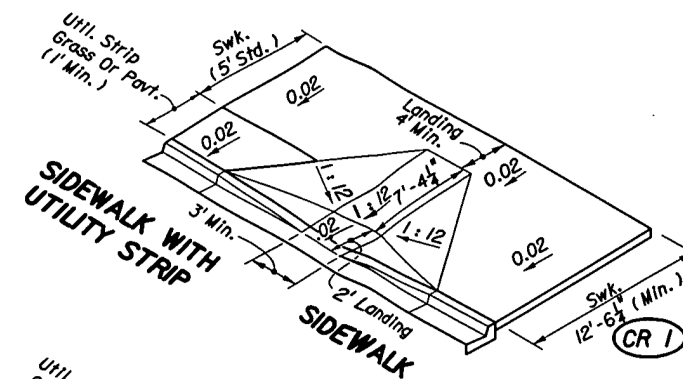
APPROVED BY
James D. Mill
Roadway Design Engineer

THIS SHEET REPLACES INDEX NO. 304 (SHEET 1 OF 5) OF THE DESIGN STANDARDS, BOOKLET DATED JANUARY 2002.

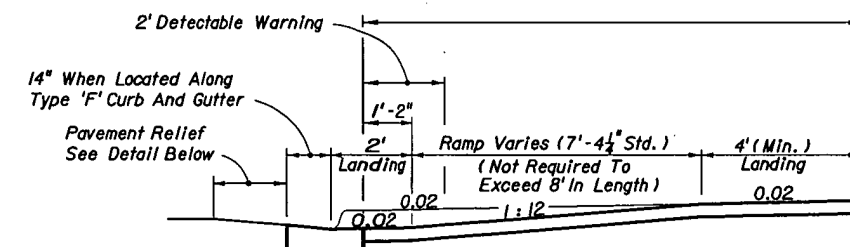
REVISION NO.	SHEET NO.	INDEX NO.
	1 of 5	0304



PAVEMENT RELIEF AT UP OF CURB



Varies (12'-6 1/4" Shown)



SECTION THROUGH RAMP RUN AND LANDINGS WITH UPPER LANDING AT NORMAL SIDEWALK ELEVATION

* For BACK OF SIDEWALK CURB OR BUFFER TRANSITION And For RAMP AND SIDEWALK CURB OPTIONS See Sheet 4.

SECTION

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO ROADWAY AND TRAFFIC DESIGN STANDARD BOOKLETS PUBLISHED IN EITHER ENGLISH OR METRIC UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PUBLIC SIDEWALK CURB RAMPS

INTERIM STANDARD

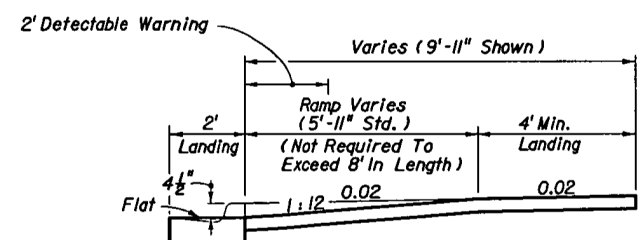
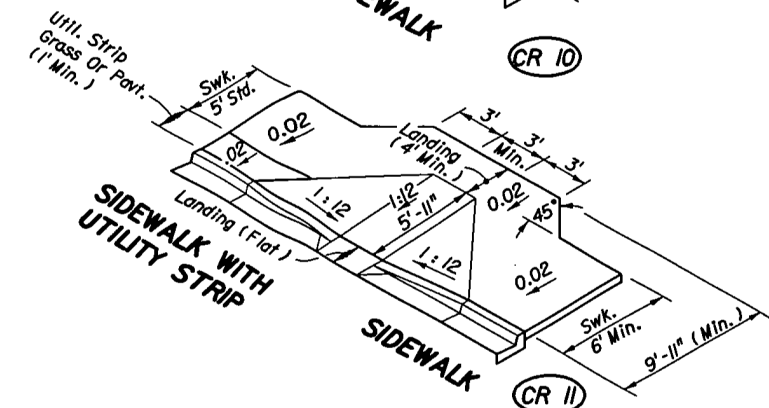
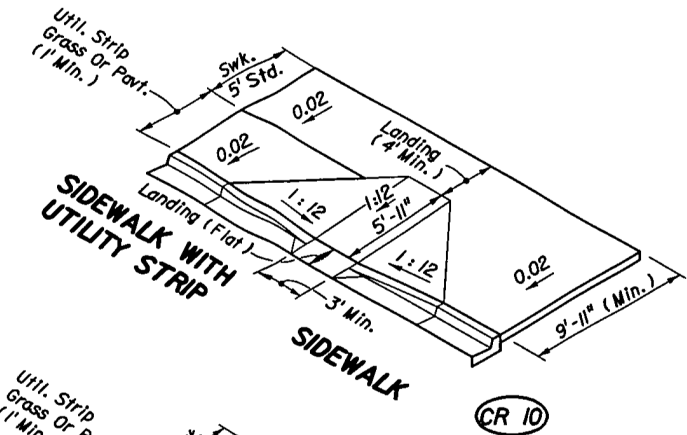
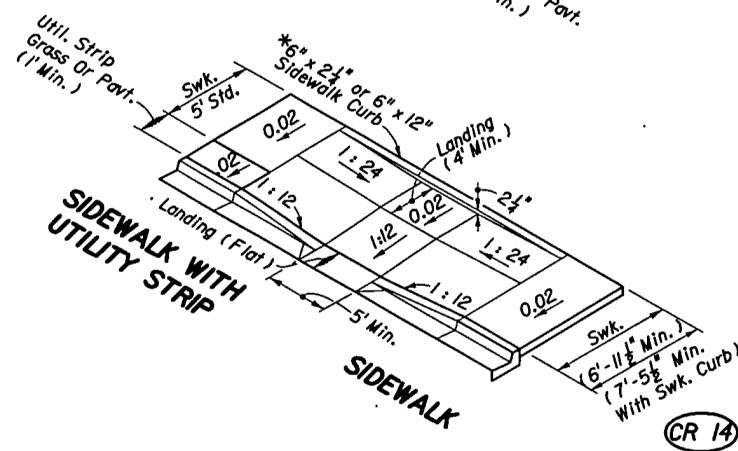
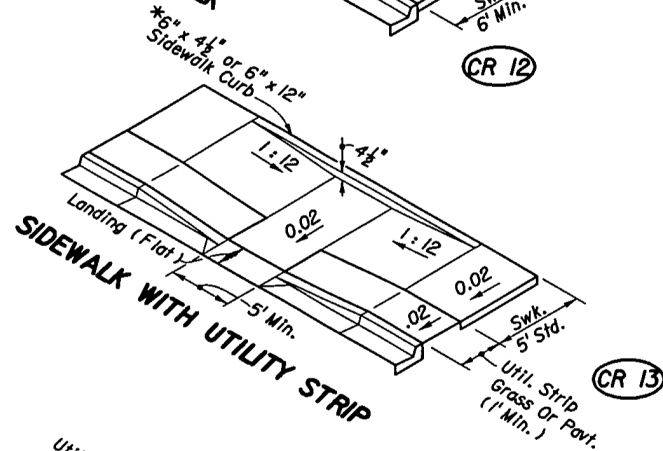
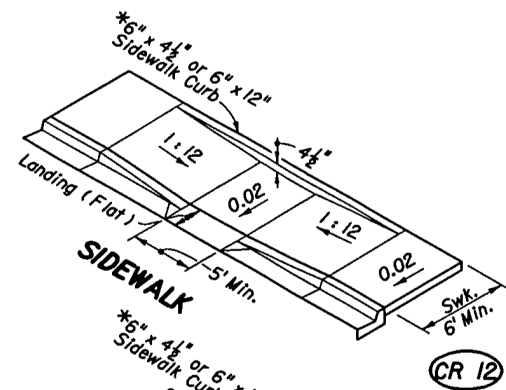
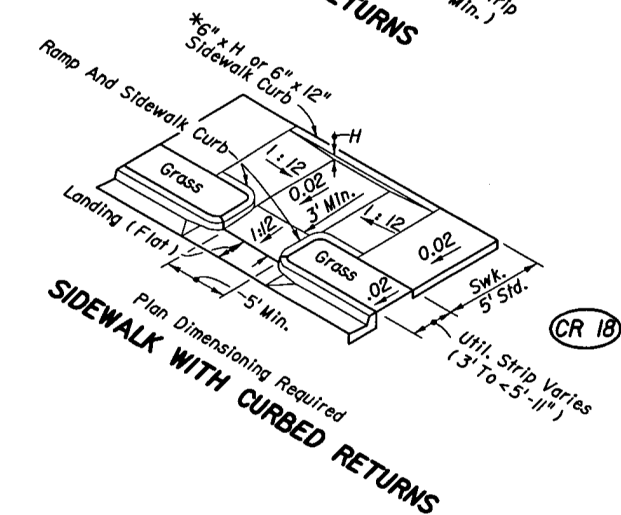
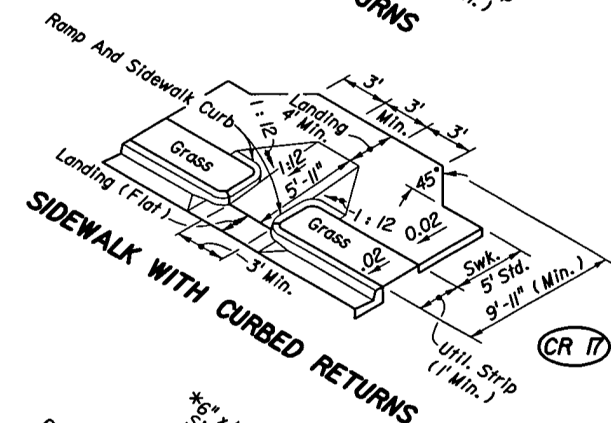
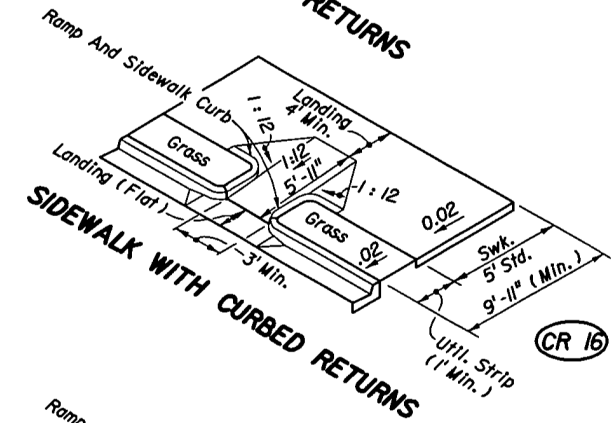
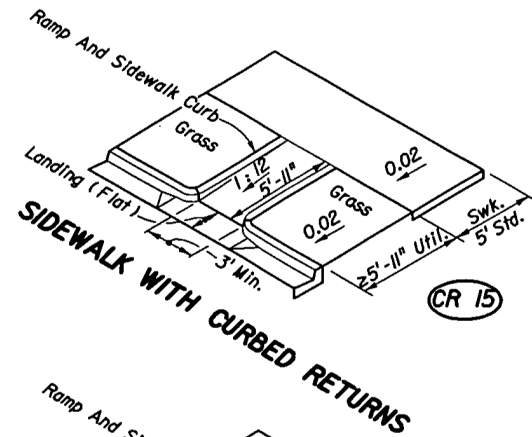
APPROVED BY *Samuel D. Miller*
Roadway Design Engineer

THIS SHEET REPLACES INDEX NO. 304 (SHEET 2 OF 5) OF THE DESIGN STANDARDS, BOOKLET DATED JANUARY 2002.

REVISION NO. SHEET NO. INDEX NO.
2 of 5 0304

Revised: 7-24-02

DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTH ARE NOT RESTRICTED BY RIGHT OF WAY



* For BACK OF SIDEWALK CURB OR BUFFER TRANSITION And For RAMP AND SIDEWALK CURB OPTIONS See Sheet 4.

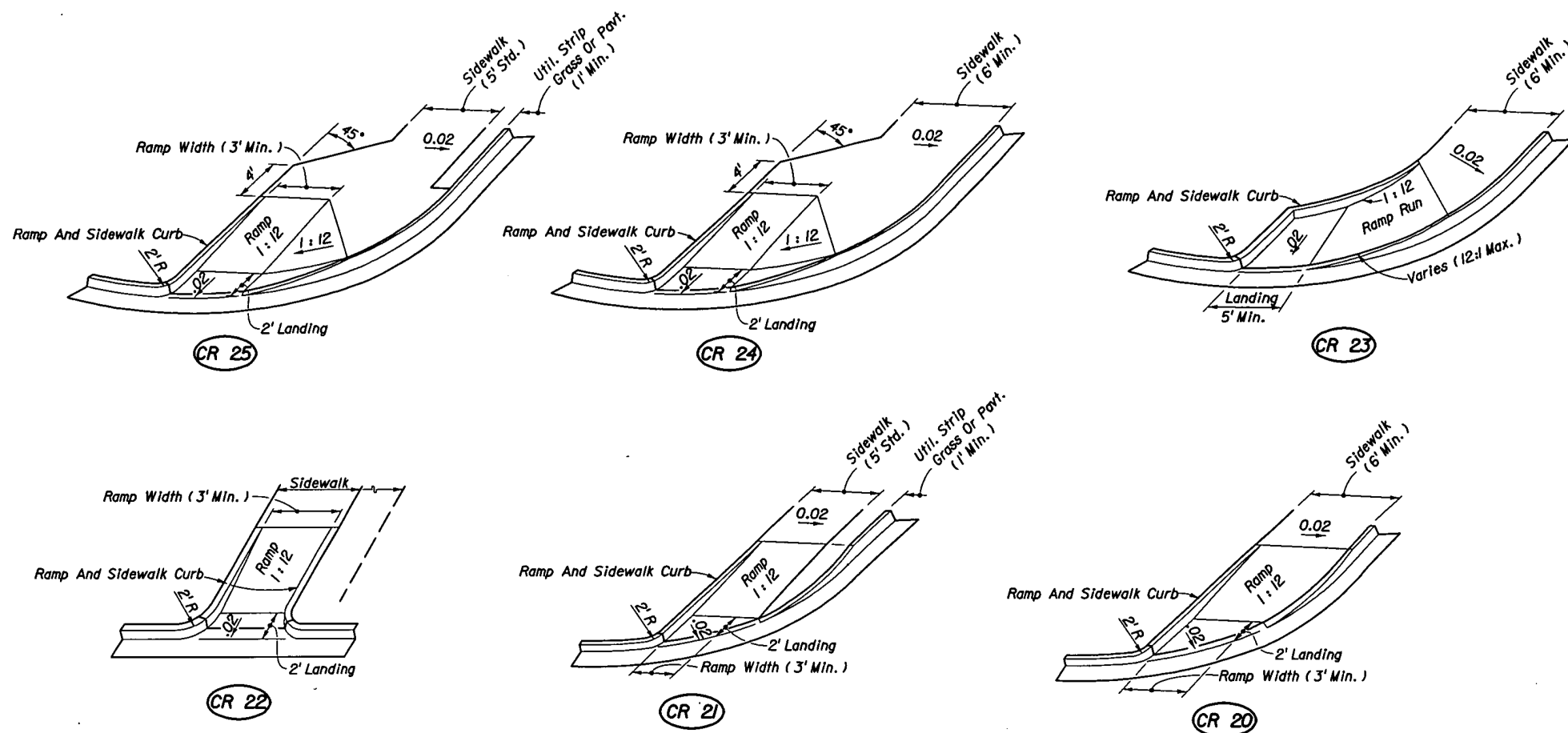
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS WHERE RAMP AND LANDING DEPTH ARE RESTRICTED BY RIGHT OF WAY

Revised: 7-24-02

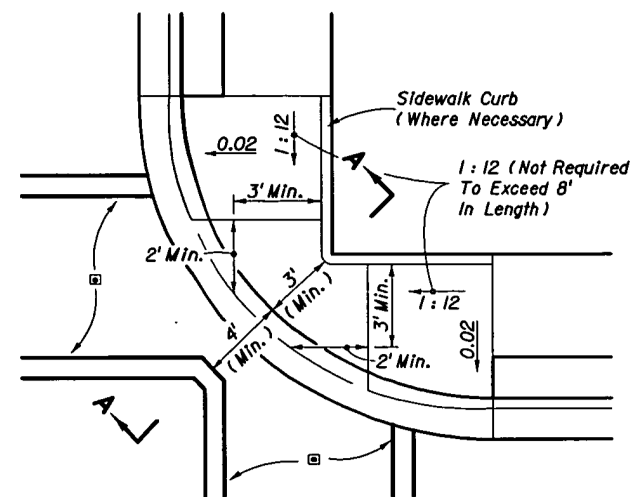
THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS BOOKLET PUBLISHED IN ENGLISH UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
PUBLIC SIDEWALK CURB RAMPS		
INTERIM STANDARD	APPROVED BY	
THIS SHEET REPLACES INDEX NO. 304 (SHEET 3 OF 5) OF THE DESIGN STANDARDS, BOOKLET DATED JANUARY 2002.		REVISION NO. 3 of 5
		INDEX NO. 0304

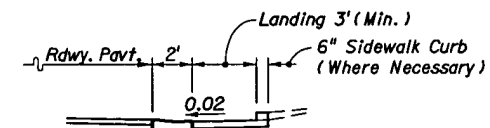


DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC



□ Crosswalk width and configuration vary; must conform to Index No. 17344 and 17346.

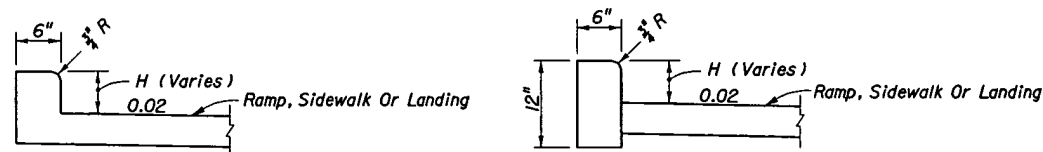
PLAN



SECTION AA

CR 26

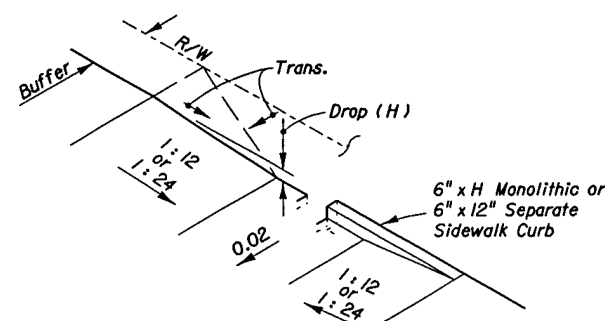
DIMENSIONAL FEATURES FOR PUBLIC SIDEWALK COMBINED CORNER RAMPS UNDER CONDITIONS OF INFEASIBILITY



MONOLITHIC CAST CURB

SEPARATELY CAST CURB

RAMP AND SIDEWALK CURB OPTIONS



Construct Sidewalk Curb In Absence Of Adequate Buffer, Maintainable Surface Contour, Abutting Structure, Or When Called For In The Plans Or Standards

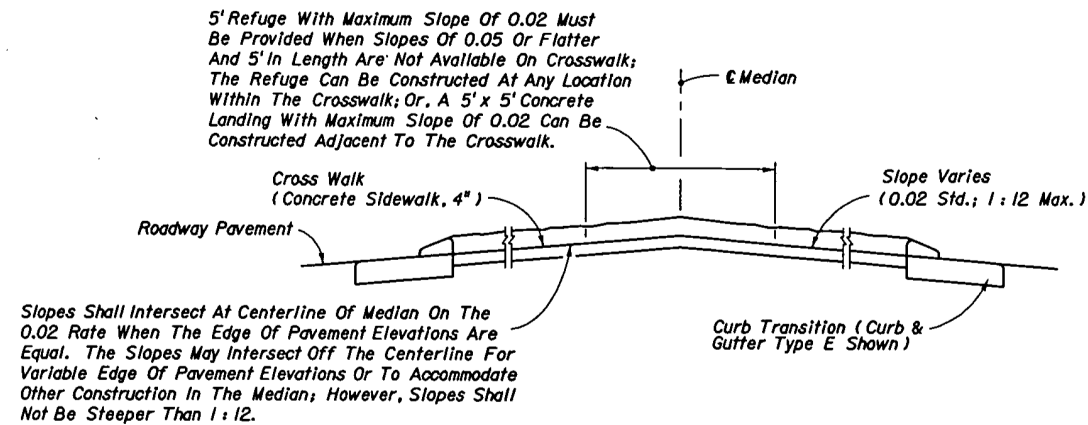
BACK OF SIDEWALK CURB OR BUFFER TRANSITION

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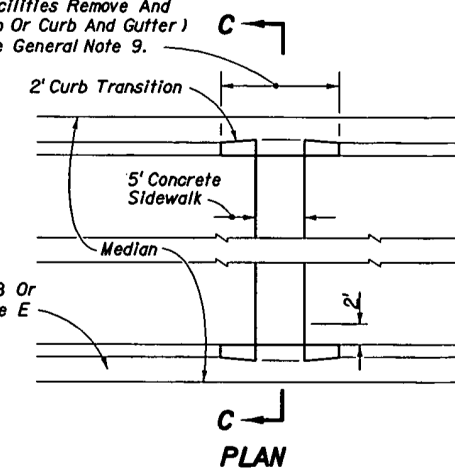
INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS BOOKLET PUBLISHED IN ENGLISH UNITS.

Revised: 7-24-02

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
PUBLIC SIDEWALK CURB RAMPS			
INTERIM STANDARD		APPROVED BY <i>James D. Mill</i> Roadway Design Engineer	
THIS SHEET REPLACES INDEX NO. 304 (SHEET 4 OF 5) OF THE DESIGN STANDARDS BOOKLET DATED JANUARY 2002.		REVISION NO.	SHEET NO.
		4 of 5	0304

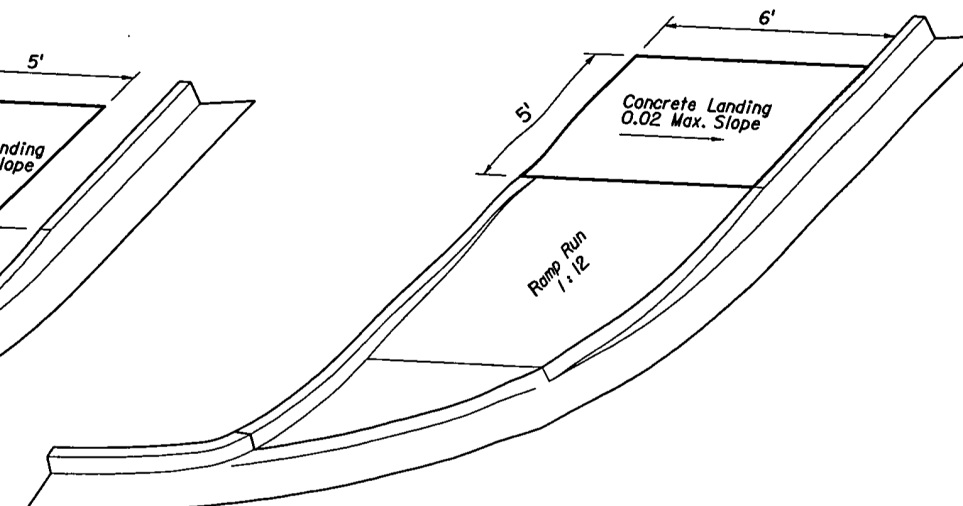
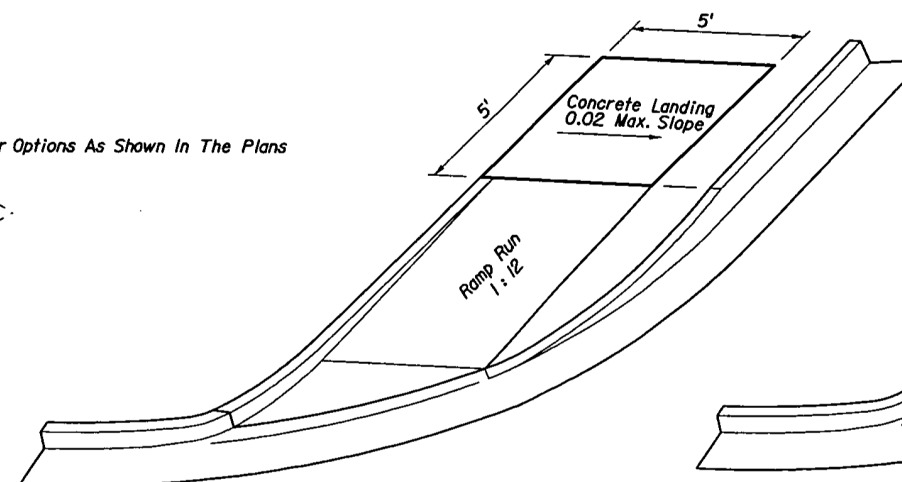
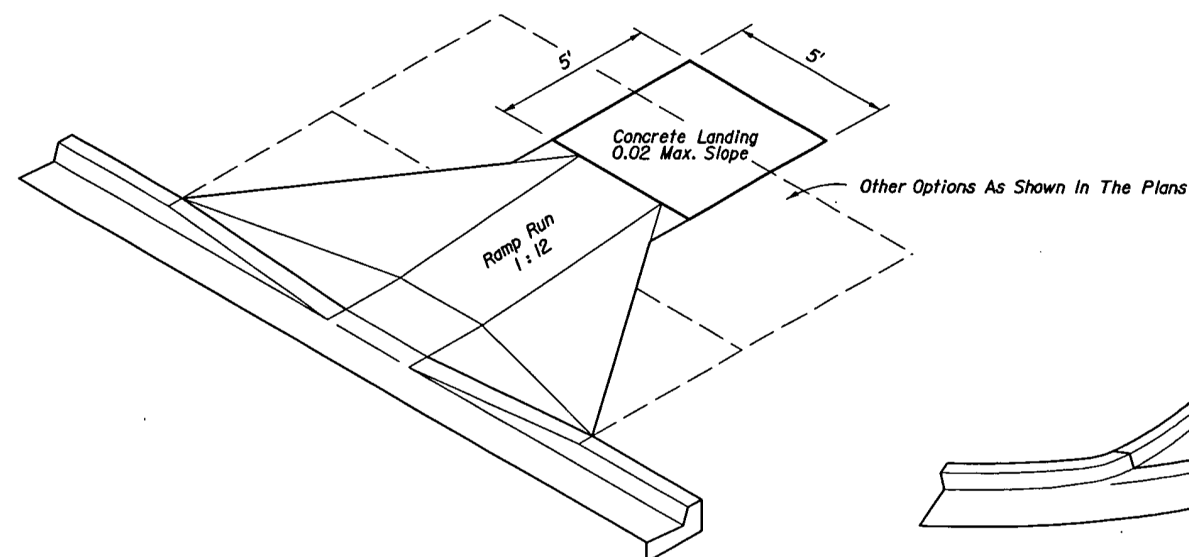


Curb Transition
(On Existing Facilities Remove And Reconstruct Curb Or Curb And Gutter) For Payment See General Note 9.



SECTION CC

MEDIAN CROSSWALKS



LANDINGS FOR RAMPS WITHIN PUBLIC RIGHT OF WAY CONSTRUCTED AT LOCATIONS WHERE FUTURE SIDEWALKS ARE PROPOSED, WHERE STABLE SURFACES OTHER THAN SIDEWALKS ARE PART OF A CONTINUOUS PASSAGE OR WHERE A CURB FALLS ALONG THE CIRCULATION PATH TO PEDESTRIAN ROUTES ON ADJACENT SITES

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS BOOKLET PUBLISHED IN ENGLISH UNITS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

PUBLIC SIDEWALK CURB RAMPS

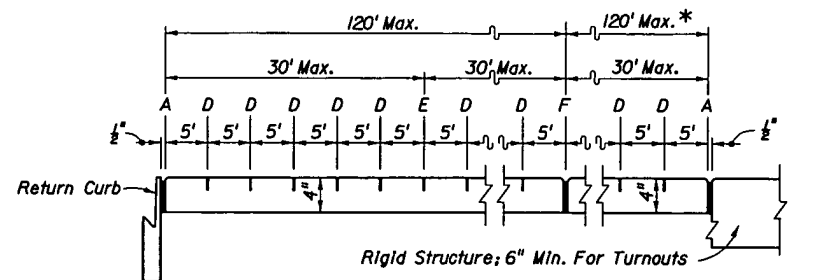
INTERIM STANDARD

APPROVED BY
James D. Smith
Roadway Design Engineer

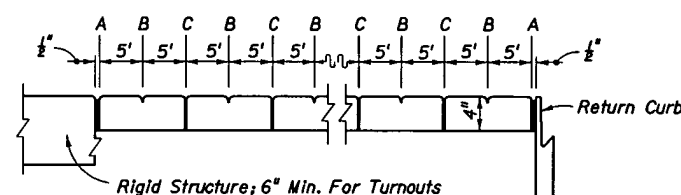
THIS SHEET REPLACES INDEX NO. 304 (SHEET 5 OF 5) OF THE DESIGN STANDARDS BOOKLET DATED JANUARY 2002.

REVISION NO.	SHEET NO.	INDEX NO.
	5 of 5	0304

Revised: 01-30-03



*"E" Joints Required When Length Exceeds 30'
SAWED JOINTS



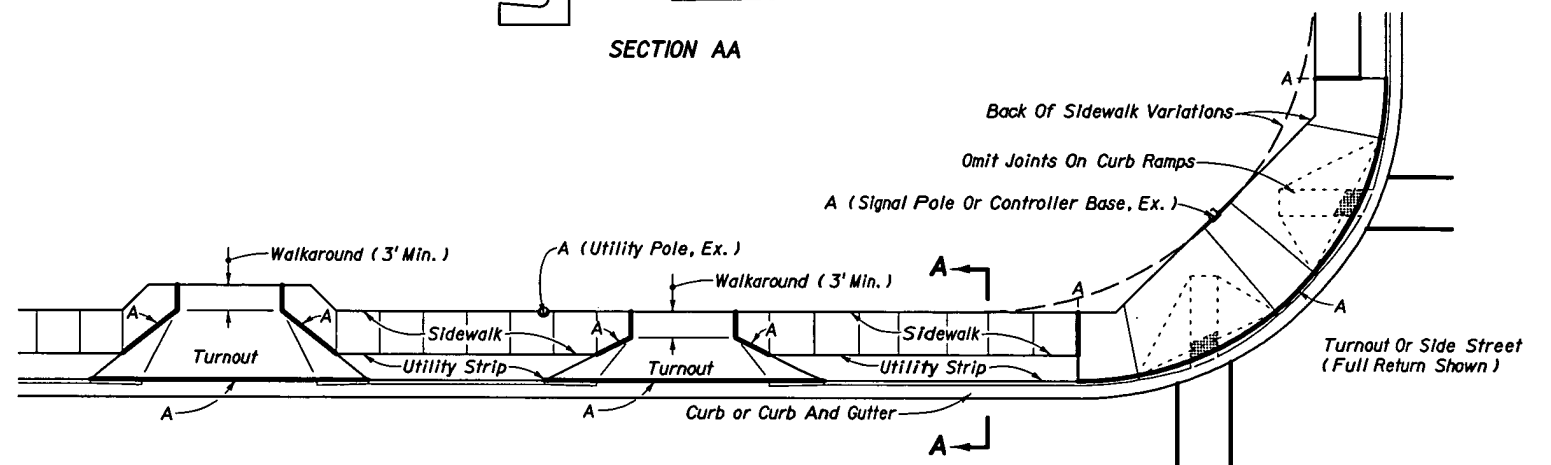
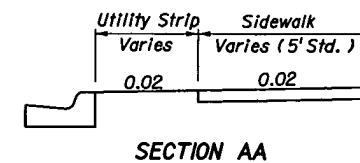
EXAGGERATED SCALE
 LONGITUDINAL SECTION
SIDEWALK JOINTS

JOINT LEGEND

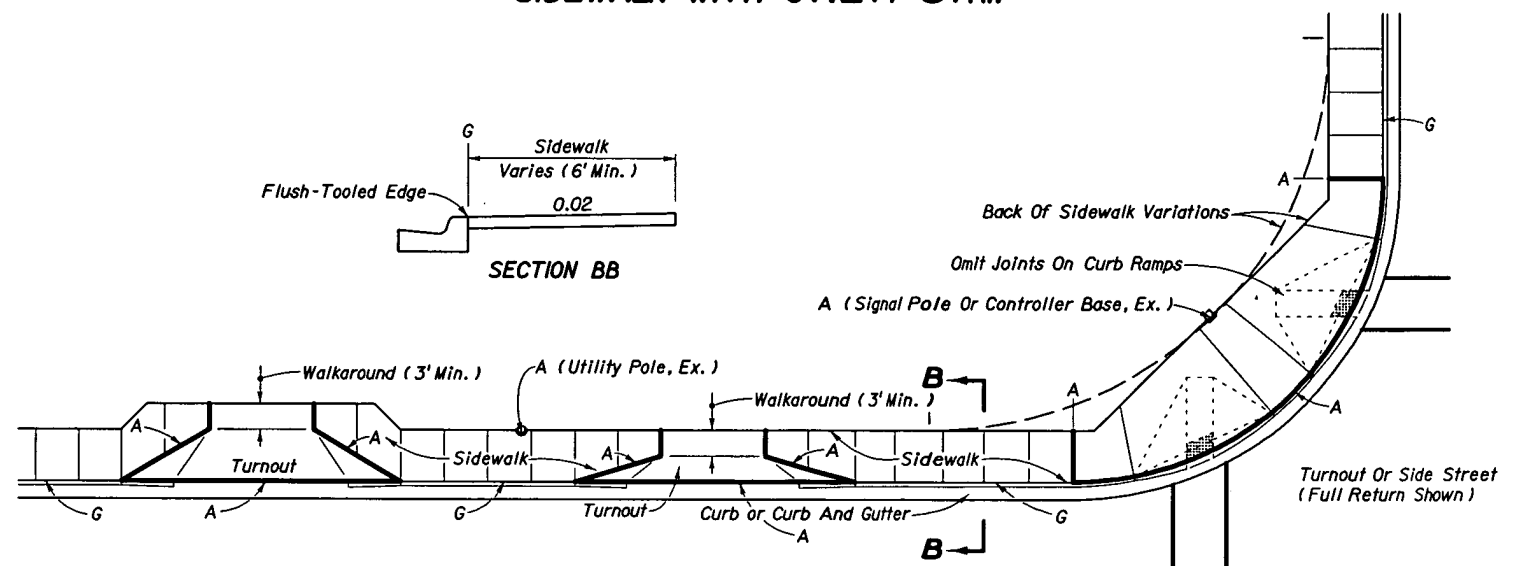
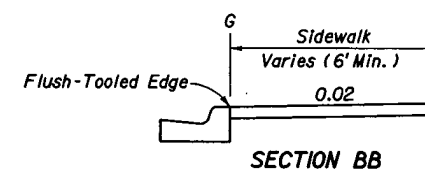
- A- $\frac{1}{2}$ " Expansion Joints (Preformed Joint Filler)
- B- $\frac{1}{2}$ " Dummy Joints, Tooled
- C- $\frac{1}{2}$ " Formed Open Joints
- D- $\frac{1}{8}$ " Saw Cut Joints, $1\frac{1}{2}$ " Deep (96 Hour) Max. 5' Centers
- E- $\frac{1}{8}$ " Saw Cut Joints, $1\frac{1}{2}$ " Deep (12 Hour) Max. 30' Centers
- F- $\frac{1}{2}$ " Expansion Joint When Run Of Sidewalk Exceeds 120'.
 Intermediate locations when called for in the plans or at locations as directed by the Engineer.
- G- Cold Joint With Band Breaker, Tooled

NOTES FOR CONCRETE SIDEWALK ON CURBED ROADWAYS

- Sidewalks shall be constructed in accordance with Section 522 of the FDOT Standard Specifications except for public sidewalk curb ramp runs which shall be finished in accordance with Index No. 304.
- Band breaker material can be any impermeable coated or sheet membrane or preformed material having a thickness of not less than 6 mils nor more than $\frac{1}{2}$ ".
- For public sidewalk curb ramps see Index No. 304.
- For turnouts see Index No. 515.
- Sidewalk shall be paid for under the contract unit price for Sidewalk Concrete (___ Thick), S.Y.



SIDEWALK WITH UTILITY STRIP



SIDEWALK WITHOUT UTILITY STRIP

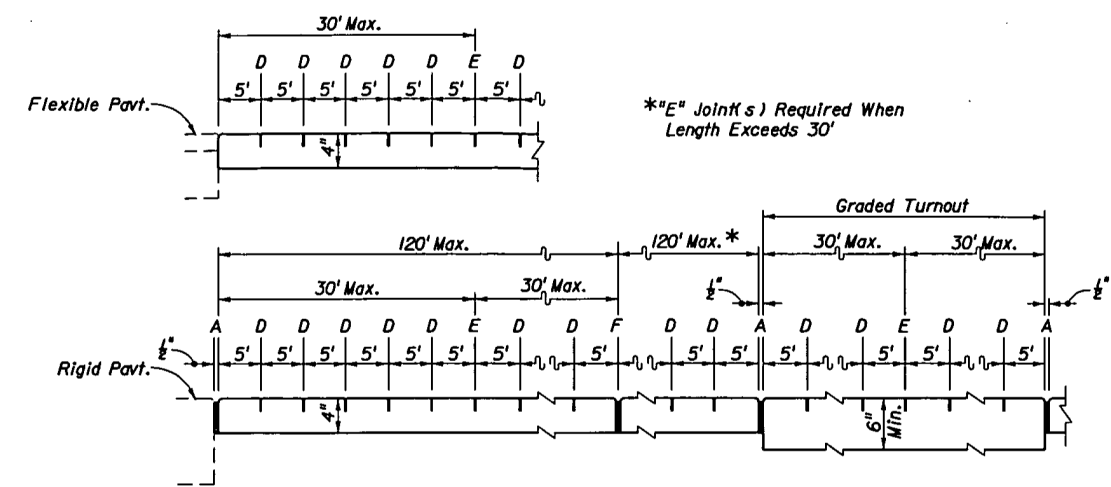
THE SEALED RECORD OF
 THIS STANDARD IS ON
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 DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS
 APPLICABLE TO DESIGN STANDARDS
 BOOKLET PUBLISHED IN ENGLISH UNITS.

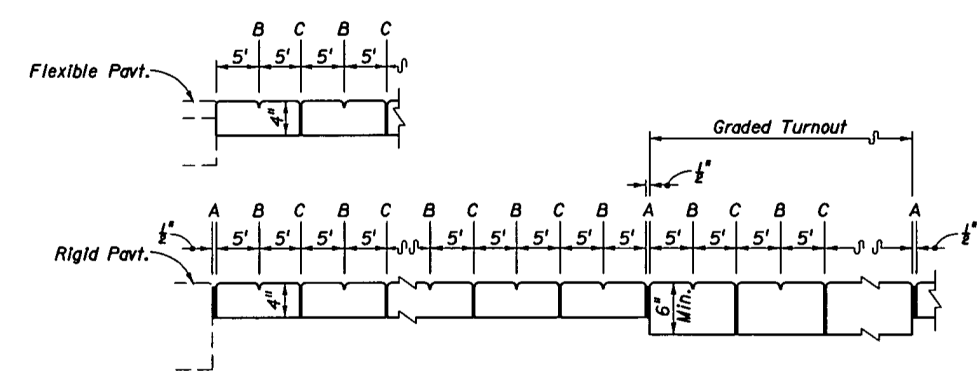
CONCRETE SIDEWALK FOR CURBED ROADWAYS

Revised: 7-24-02

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
CONCRETE SIDEWALK			
INTERIM STANDARD		APPROVED BY Raymond D. Miller Roadway Design Engineer	
THIS INDEX IS A SUPPLEMENT TO THE DESIGN STANDARDS, BOOKLETS DATED JANUARY 2002.		REVISION NO.	INDEX NO.
		1 of 2	0310



SAWED JOINTS



OPEN JOINTS

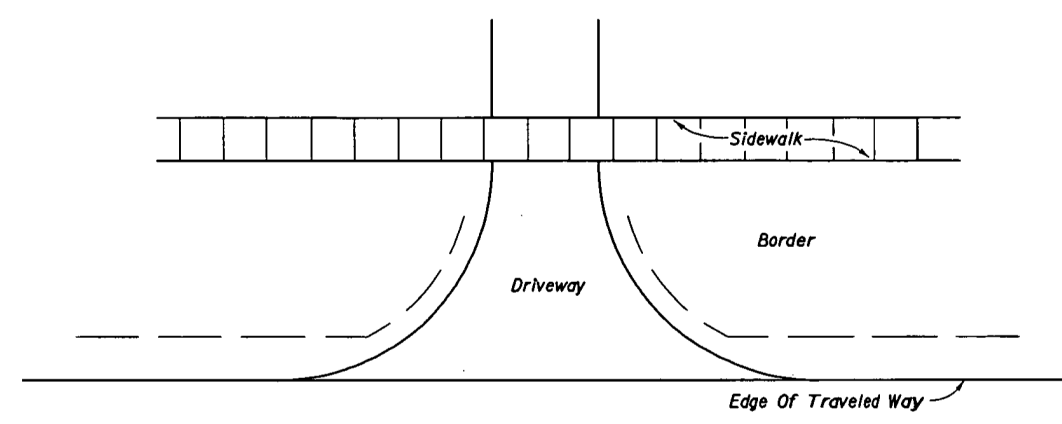
EXAGGERATED SCALE
LONGITUDINAL SECTIONS
SIDEWALK JOINTS

JOINT LEGEND

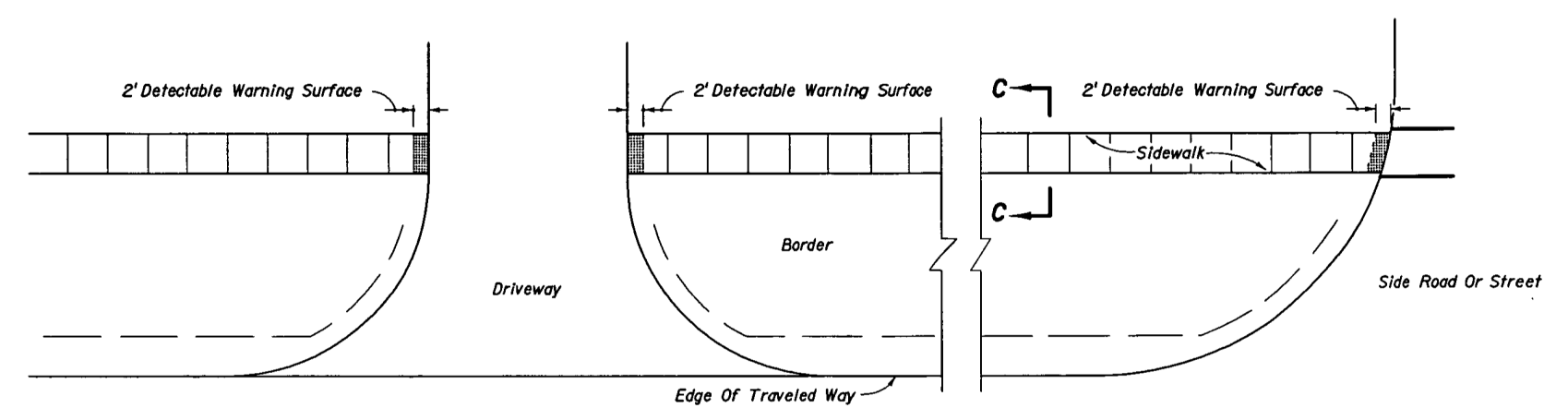
- A - $\frac{1}{2}$ " Expansion Joints (Preformed Joint Filler)
- B - $\frac{1}{8}$ " Dummy Joints, Tooled
- C - $\frac{1}{8}$ " Formed Open Joints
- D - $\frac{3}{8}$ " Saw Cut Joints, $1\frac{1}{2}$ " Deep (96 Hour) Max. 5' Centers
- E - $\frac{3}{8}$ " Saw Cut Joints, $1\frac{1}{2}$ " Deep (12 Hour) Max. 30' Centers
- F - $\frac{1}{2}$ " Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.

NOTES FOR CONCRETE SIDEWALKS ON UNCURBED ROADWAYS

1. Sidewalks shall be constructed in accordance with Section 522 of the FDOT Standard Specifications.
2. Sidewalks adjoining driveways 24' and wider, right in-right out composite driveways and side roads and streets shall have a detectable warning surface that extends the full width of the sidewalk and in the direction of travel 24" (610 mm) from the edge of driveways and edge of side roads and streets. Detectable warning surfaces shall conform to the requirements described in the General Notes on Interim Index No. 0304.
- For sidewalks continuous through driveways, detectable warning surfaces are not required.
3. For turnouts see Index No. 515.
4. Sidewalk shall be paid for under the contract unit price for Sidewalk Concrete (___ Thick), SY.



CONTINUOUS SIDEWALK



DISCONTINUOUS SIDEWALK

PLAN

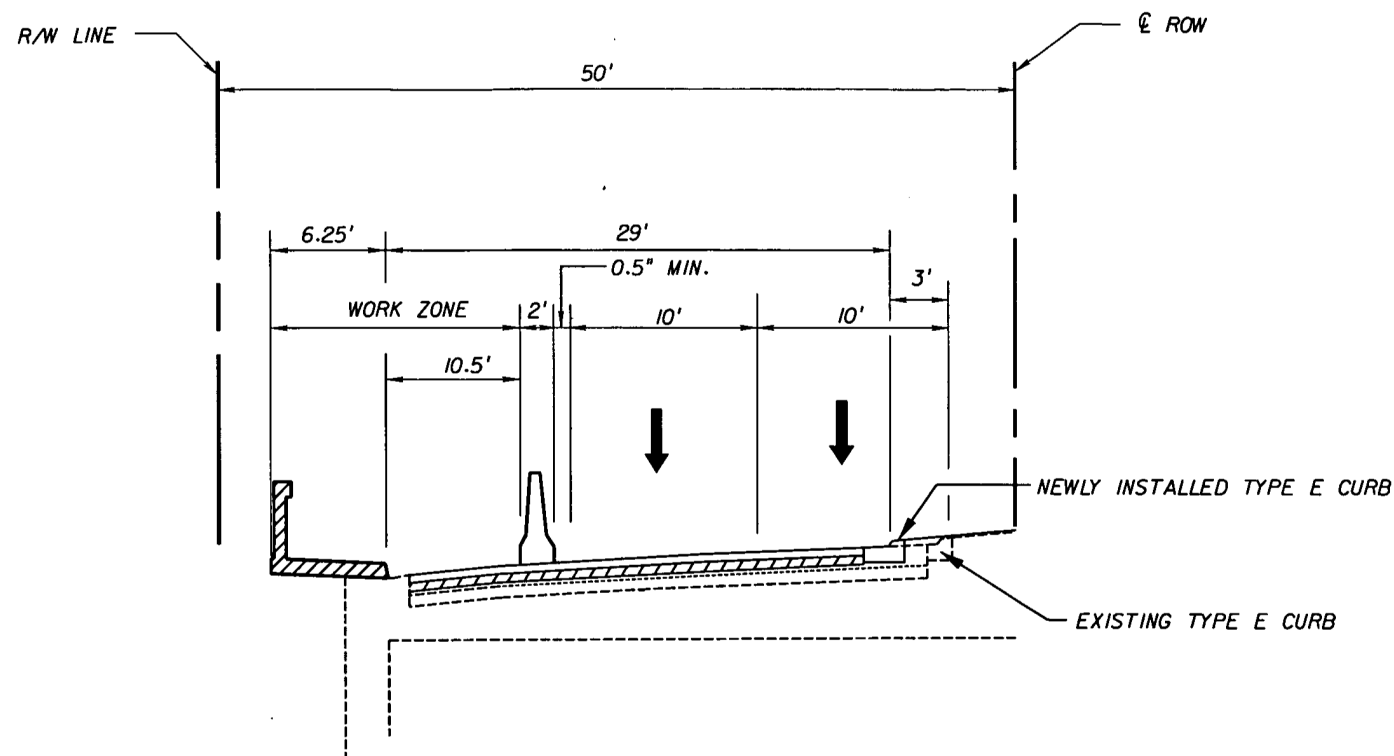
THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS BOOKLET PUBLISHED IN ENGLISH UNITS.

CONCRETE SIDEWALK FOR UNCURBED ROADWAYS

Revised: 7-24-02

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
CONCRETE SIDEWALK			
INTERIM STANDARD		APPROVED BY <i>Samuel D. Mink</i> Roadway Design Engineer	
THIS INDEX IS A SUPPLEMENT TO THE DESIGN STANDARDS, BOOKLETS DATED JANUARY 2002.		REVISION NO. 2 of 2	INDEX NO. 0310



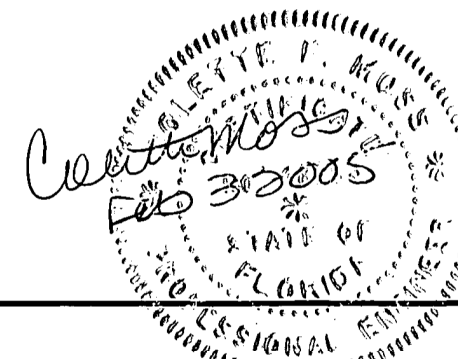
TYPICAL LANE SHIFT DETAIL AT LPGa BOULEVARD

DESIGN SPEED 35 MPH

THE CONTRACTOR SHALL LIMIT BRIDGE CONSTRUCTION TO ONE SIDE OF ROADWAY.

PLACE TEMPORARY STRIPING TO DEFINE LANE LINES. MAINTAIN MIN. 10' LANES AND MAINTAIN LEFT TURN MOVEMENTS DURING CONSTRUCTION.

PEDESTRIAN MOVEMENT NEEDS TO BE ADDRESSED DURING CONSTRUCTION. UTILIZE INDEX 660.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
2/3/5	CM	3 ADDED SHEET			



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 5	VOLUSIA	411777-1-52-01

TRAFFIC CONTROL PLAN

SHEET NO.
55

