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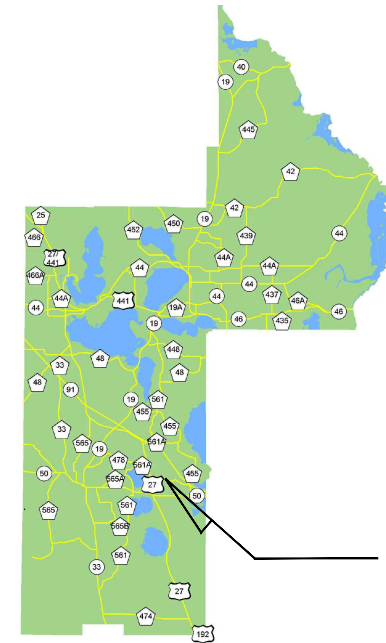
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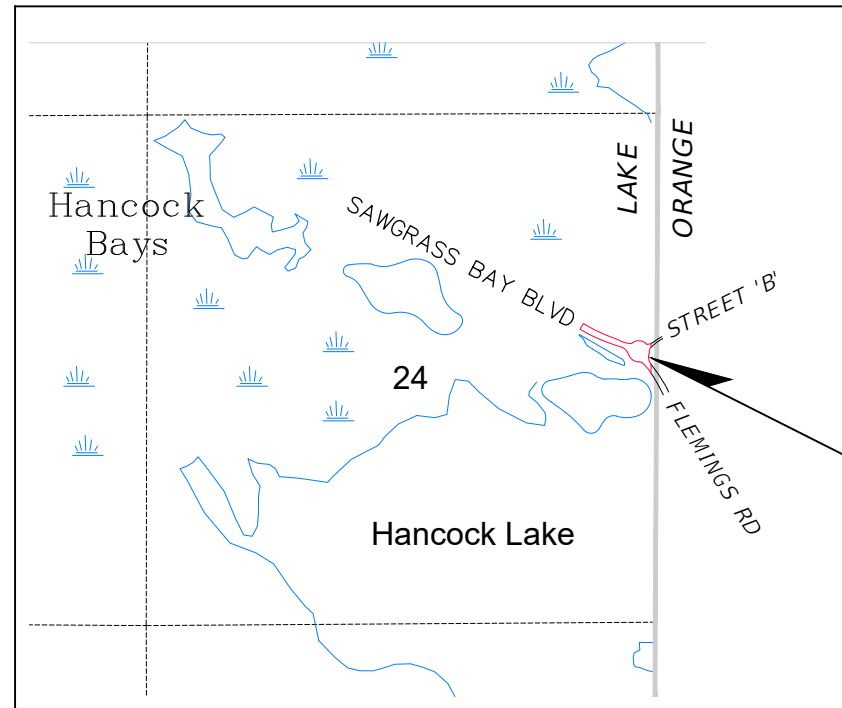
REAL FLORIDA · REAL CLOSE

SAWGRASS BAY BLVD MULTILANE ROUNDABOUT

PROJECT NO. 20032
SEPTEMBER 2023



VICINITY MAP
SEC. 24, TWP. 24 S, RNG. 26 E



LOCATION MAP



LENGTH OF PROJECT	
	LINEAR FEET
ROADWAY	1002.9'
BRIDGES	0
NET LENGTH OF PROJECT	1002.9'
EXCEPTIONS	0
GROSS LENGTH OF PROJECT	1002.9'

LAKE COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
350 N. SINCLAIR AVENUE
TAVARES, FLORIDA 327
PHONE: (352) 253-6000

**100% PLAN SET
FOR CONSTRUCTION**

GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY2022-23 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website: <http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm>

APPLICABLE DSRs:

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, JULY 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.dot.state.fl.us/programmanagement/Implemented/SpecBooks>

**Know what's below.
Call before you dig.**

SUNSHINE STATE ONE CALL OF FLORIDA



JEFFREY J. EARHART P.E. NO. 49935

COVER SHEET

1

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

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LEGEND

ASPH = ASPHALT	(P) = PLAT DIMENSION
BWF = BARBED WIRE FENCE	PB = PLAT BOOK
(C) = CALCULATED DIMENSION	PC = POINT OF CURVATURE
C# = CURVE NUMBER (SEE CURVE TABLE)	PCC = POINT OF COMPOUND CURVATURE
CL = CENTERLINE	PG = PAGE
CCR = CERTIFIED CORNER RECORD	PI = POINT OF INTERSECTION
CLF = CHAIN LINK FENCE	POB = POINT OF BEGINNING
CM = CONCRETE MONUMENT	POC = POINT OF COMMENCEMENT
CMP = CORRUGATED METAL PIPE	PRC = POINT OF REVERSE CURVATURE
CONC = CONCRETE	PT = POINT OF TANGENCY
(D) = DESCRIPTION DIMENSION	PVC = POLY VINYL CHLORIDE
DB = DEED BOOK	PVCFN = POLY VINYL CHLORIDE FENCE
DWG = DRAWING	R = RANGE
IR = IRON ROD	RCP = REINFORCED CONCRETE PIPE
IRC = IRON ROD AND CAP	RMB = ROAD MAP BOOK
L# = LINE NUMBER (SEE LINE TABLE)	RT = RIGHT
LT = LEFT	R/W = RIGHT-OF-WAY
FB = FIELD BOOK	SEC = SECTION
FDOT = FLORIDA DEPARTMENT OF TRANSPORTATION	STA = STATION
FND = FOUND	T = TOWNSHIP
HDPE = HIGH DENSITY POLYETHYLENE PIPE	VCP = VITRIFIED CLAY PIPE
N&D = NAIL AND DISK	WFF = WIRE FIELD FENCE
ORB = OFFICIAL RECORDS BOOK	WBF = WOOD BOARD FENCE
O/S = OFFSET	WRF = WOOD RAIL FENCE

	= AIR CONDITIONER		= METER (ELECTRIC)		=
	= BENCH		= METER (GAS)		=
	= BOLLARD		= METER (WATER)		=
	= CLEAN OUT		= MONITOR WELL		=
	= CABLE TV JUNCTION BOX		= PEDESTRIAN SIGNAL		=
	= DELINEATOR POST		= PILLAR OR COLUMN		=
	= ELECTRICAL JUNCTION BOX		= POST		=
	= ELECTRICAL OUTLET		= POWER POLE		=
	= ELECTRICAL TRANSFORMER		= PUMP		=
	= FIRE HYDRANT		= SIGN		=
	= FLAG POLE		= SIGNAL PEDESTAL		=
	= GUY POLE		= SIGNAL CONTROL CABINET		=
	= GUY WIRE		= SIGNAL MAST ARM		=
	= HANDICAP PARKING		= SIGNAL SPAN WIRE POLE		=
	= LIGHT POLE		= SOIL BORING		=
	= MAIL BOX		= SPRINKLER HEAD		=
	= MANHOLE (UNKNOWN)		= TELEPHONE PEDESTAL		=
	= MANHOLE (COMMUNICATIONS)		= TELEPHONE CABINET		=
	= MANHOLE (DRAINAGE)		= UTILITY MARKER (CABLE TV)		=
	= MANHOLE (ELECTRICAL)		= UTILITY MARKER (FIBER OPTIC)		=
	= MANHOLE (SANITARY)		= UTILITY MARKER (ELECTRICAL)		=
	= MANHOLE (TELEPHONE)		= UTILITY MARKER (TELEPHONE)		=

STANDARD ABBREVIATIONS

<u>A</u>	<u>F</u>	<u>N</u>	<u>S</u>
AC. ACRE	F.G. FINISHED GRADE	N NORTH	S SOUTH
ALT. ALTERNATE	FND FOUND	N&C NAIL & CAP	SHT. SHEET
A/U AERIAL UTILITIES	FUT FUTURE	N&D NAIL & DISK	SQ SQUARE
		NIC NOT IN CONTRACT	STD. STANDARD
<u>B</u>	<u>G</u>	<u>O</u>	<u>I</u>
BL BASE LINE	GND. GROUND	OPNG. OPENING	T&B TOP & BOTTOM
BM BENCH MARK	GP GRADE POINT	OPT. OPTION	TBM TEMPORARY BENCH MARK
BOC BACK OF CURB	GW GUY WIRE	ORB OFFICIAL RECORD BOOK	
BOT. BOTTOM			
BW BARBED WIRE	<u>H</u>	<u>P</u>	<u>TEL</u>
	HOG HOG WIRE	PC POINT OF CURVE	TEL. TELEPHONE
<u>C</u>	<u>H.W.</u> HIGH WATER	PCC POINT OF COMPOUND CURVE	TOB TOP OF BANK
(C) CALCULATED DIMENSION		P.C.M. PERMANENT CONTROL MONUMENT	TOS TOE OF SLOPE
CCR CERTIFIED CORNER RECORD	<u>I</u>		T.P. TELEPHONE POLE
CLR. CLEAR / CLEARANCE	INT. INTERSECTION	P.R.L.C. PUBLIC RECORDS OF LAKE COUNTY, FLORIDA	
CM CONCRETE MONUMENT	<u>I.P.</u> IRON PIPE		<u>U</u>
CMP CORRUGATED METAL PIPE			U.G. UNDERGROUND
CL CHAIN LINK FENCE	<u>J</u>	<u>PG</u> PAGE	U.G.P. UNDERGROUND POWER
CP COMBINATION POLE	JOINT	PK CASE HARDENED NAIL	U.O.N. UNLESS OTHERWISE NOTED
CPP CORRUGATED PLASTIC PIPE		PI POINT OF INTERSECTION	U.T.C. UNDERGROUND TELEPHONE CABLE
CONST. CONSTRUCT / CONSTRUCTION	<u>L</u>	PL PROPERTY LINE	
	LMRK LIME ROCK	POB POINT OF BEGINNING	UTIL. UTILITY
CULV CULVERT		PP POWER POLE	
<u>D</u>	<u>L.P.</u> LIGHT POLE	<u>PROP.</u> PROPOSED	<u>V</u>
DET. DETAIL	LTD LIGHTED	PRC POINT OF REVERSE CURVE	VAR. VARIES
D/W DRIVEWAY	L.W. LOW WATER	PT POINT OF TANGENCY	
<u>E</u>	<u>M</u>	<u>Q</u>	<u>W</u>
E EAST	MATL. MATERIAL		W WEST
ELLIP ELLIPTICAL	(M) MEASURED DIMENSION	<u>R</u>	W/ WITH
ENGR. ENGINEER	MEG MATCH EXIST. GRADE	R.C. REINFORCED CONCRETE	WITH OUT
EOC EDGE OF CONCRETE	MFR. MANUFACTURER	RCP REINFORCED CONCRETE PIPE	WATER'S EDGE
EOM EDGE OF MAINTENANCE	MON. MONUMENT	RD. ROAD	WATER MAIN
EOT EDGE OF TRAVEL		RLS REGISTERED LAND SURVEYOR	W.R.A. WATER RETENTION AREA
ESMT. EASEMENT		REV. REVISION	W.S. WATER SURFACE
		RPM REFLECTIVE PAVEMENT	W.S.EL. WATER SURFACE ELEVATION
		RND ROUND	
		RR RAIL ROAD	<u>Y</u>

	= BAY TREE		= CAMPHOR TREE	MY
	= BUSH		= CITRUS TREE	NS
	= CEDAR TREE		= CYPRESS TREE	OK
	= CHERRY TREE		= EAR TREE	PA
	= CHINABERRY TREE		= MAGNOLIA TREE	PN
				SY

	= FOUND AXLE		= FOUND IRON ROD (SIZE AND MARKINGS AS NOTED)
	= BENCHMARK		= SET 5/8" IRON ROD WITH CAP "LAKE COUNTY LS6329"
	= CALCULATED CORNER		= FOUND METAL PLATE (STAMPED AS NOTED)
	= FOUND BOX CUT OR SCRIBED "X"		= FOUND NAIL (MARKINGS AS NOTED)
	= FOUND CONCRETE MONUMENT (SIZE AND MARKINGS AS NOTED)		= SET NAIL AND DISK MARKED "LAKE COUNTY LS6329"
	= HUB AND TACK		= FOUND RAILROAD SPIKE
	= FOUND IRON PIPE (SIZE AND MARKINGS AS NOTED)		

T. 15 S. R. 15 E. S. 34

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T. 15 S. R. 15 E. S. 34

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EROSION AND SEDIMENT CONTROL

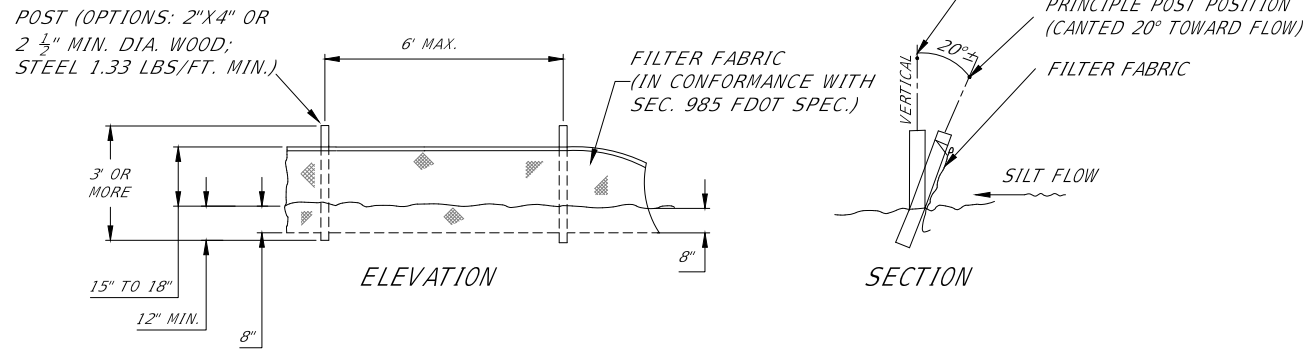
- A. ALL INLETS, MITERED END SECTIONS, AND END WALLS SHALL BE PROTECTED WITH SOD (5' OF SOD IN ALL DIRECTIONS) PER F.D.O.T. DESIGN STANDARDS INDEX NO. 570-001, INDEX 524-001, AND AS SHOWN ON THE CONSTRUCTION PLANS.
- B. THE LOCATION OF THE MINIMUM REQUIRED EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS SILT FENCES AND TURBIDITY BARRIERS, ARE SUMMARIZED ON THE PLAN SHEETS. SEE SHEET C-6 FOR TYPICAL INSTALLATION DETAILS.
- C. SOIL TRACKING PREVENTION DEVICES SHALL BE CONSTRUCTED AT POINTS OF EGRESS FROM UNSTABLE AREAS OF THE PROJECT TO ROADS WHERE OFF SITE TRACKING OF MATERIAL COULD OCCUR. SEE SHEET C-6 FOR DETAILS.
- D. SOD SHALL BE PLACED IMMEDIATELY AROUND NEW MITERED END SECTIONS AND AREAS SUBJECT TO EROSION PER FDOT INDEX 524-001.
- E. ALL DISTURBED AREAS SHALL BE SODDED, UNLESS OTHERWISE NOTED. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING SOD UNTIL FULLY ESTABLISHED AND AS ADDITIONALLY SHOWN ON THE CONSTRUCTION PLANS.
- F. SOD SHALL BE REPLACED WITH ORIGINAL TYPE ON ALL RESIDENTIAL LOTS AND AS SHOWN ON PLANS.

- G. CONTRACTOR SHALL DE-SILT ALL DRAINS, PIPES AND SWALES WITHIN PROJECT BOUNDARY AT COMPLETION OF CONSTRUCTION.
- H. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE IN WRITING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO THE COUNTY FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES.
- I. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN SHEETS SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION AND ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROLS SHALL BE FURNISHED AS NEEDED AT NO ADDITIONAL COST. MATERIALS FROM WORK ON THESE PROJECTS SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF PERIMETER AREAS OR IN WATERWAYS. SILT FENCES, TURBIDITY BARRIERS, AND OTHER ESSENTIAL EROSION CONTROL MEASURES MUST REMAIN IN PLACE AND IN GOOD CONDITION AT ALL LOCATIONS IN THE CONSTRUCTION PLANS OR AS REQUIRED UNTIL SOILS ARE STABILIZED, VEGETATION HAS BEEN ESTABLISHED AND THE CONTRACT IS COMPLETE. MEASURES SHOWN ARE THE MINIMUM REQUIRED, AND THE CONTRACTOR SHALL ENSURE THAT THERE IS NO DIRECT OR INDIRECT DISCHARGE OF CONSTRUCTION MATERIALS INTO OFF SITE AREAS OR WATERWAYS ETC.. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.
- J. PEGGED SOD SHALL BE PLACED ON ALL SLOPES 3:1 OR STEEPER.

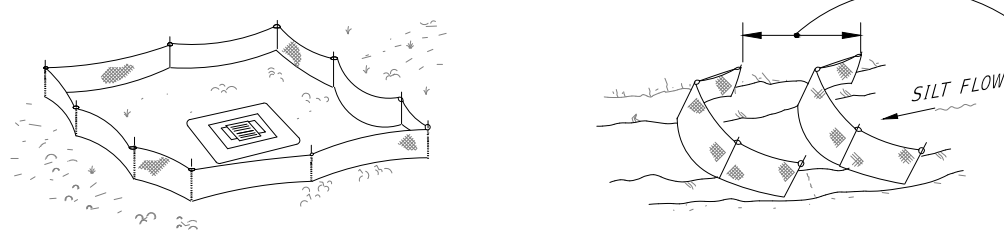
	
<p>EROSION NOTES AND DETAILS</p>	
<p>6</p>	

SILT FENCE TYPE III

NOTE:
 EROSION, SEDIMENT AND TURBIDITY CONTROL SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION OF THE PROJECT. THESE CONTROL MEASURES ARE ONLY THE MINIMUM REQUIRED AND ADDITIONAL CONTROLS SHALL BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATIONS.



SILT FENCE APPLICATIONS



TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.

DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS.

EROSION & SEDIMENT CONTROL

PRIOR TO INITIATING CONSTRUCTION OF PLANNED IMPROVEMENTS, ALL SWALES WILL BE EXCAVATED AND ROUGH GRADED TO PROVIDE SEDIMENT AND RUNOFF CONTROL DURING CONSTRUCTION.

ALL DISTURBED AREAS WILL BE BROUGHT TO FINAL GRADE AND SODDED AS SOON AS POSSIBLE.

AREAS WHICH MAY ERODE DUE TO SLOPES OR CONCENTRATED RUNOFF DURING CONSTRUCTION WILL BE PROTECTED AT A MINIMUM WITH SILT FENCING AS SHOWN ON THE PLAN SHEETS.

UPON COMPLETION OF SITE IMPROVEMENTS, THE RETENTION PONDS, SWALES, AND OTHER STORM WATER MANAGEMENT DEVICES WILL BE FINAL GRADED AND SODDED AS SPECIFIED IN THE APPROVED CONSTRUCTION PLANS.

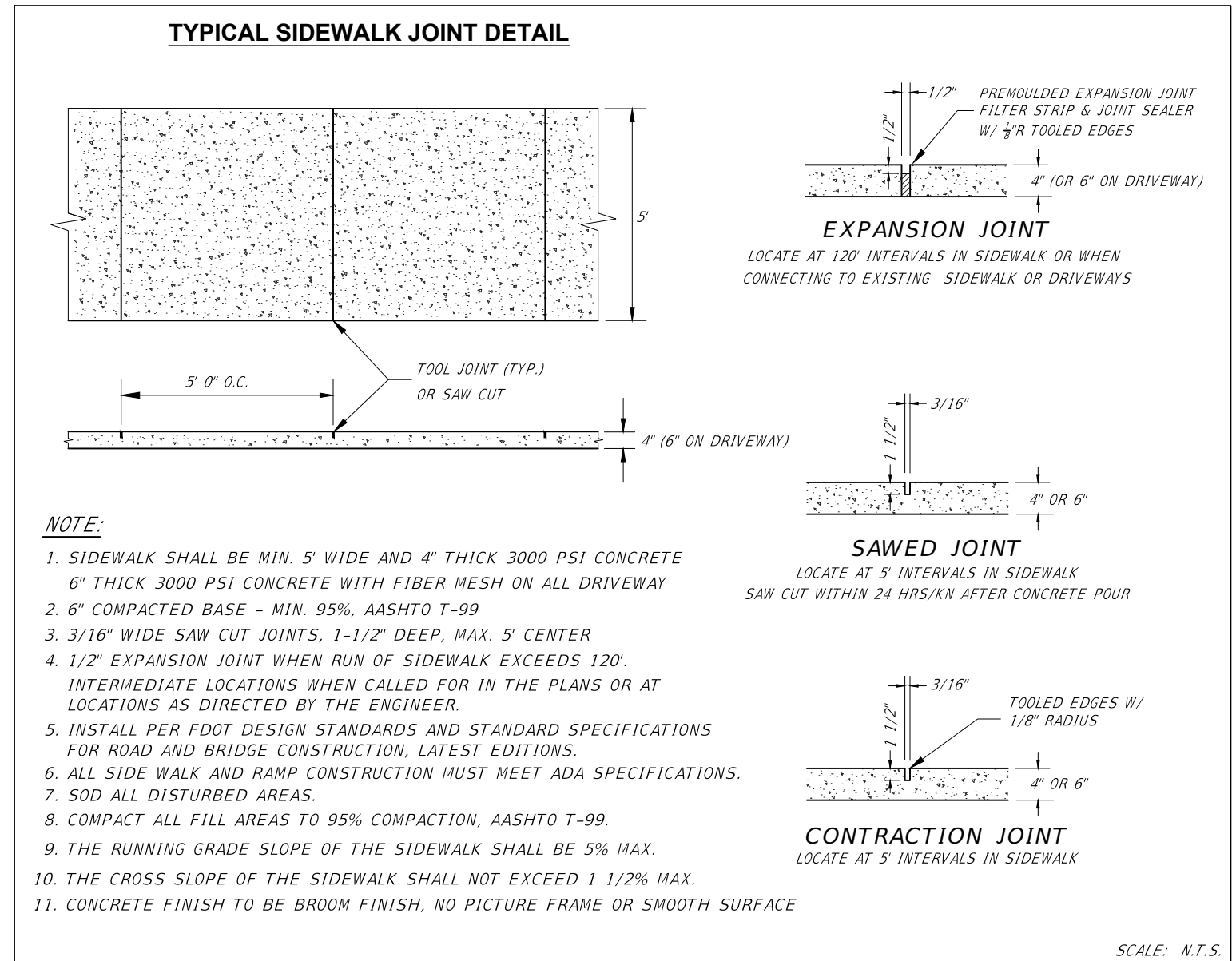
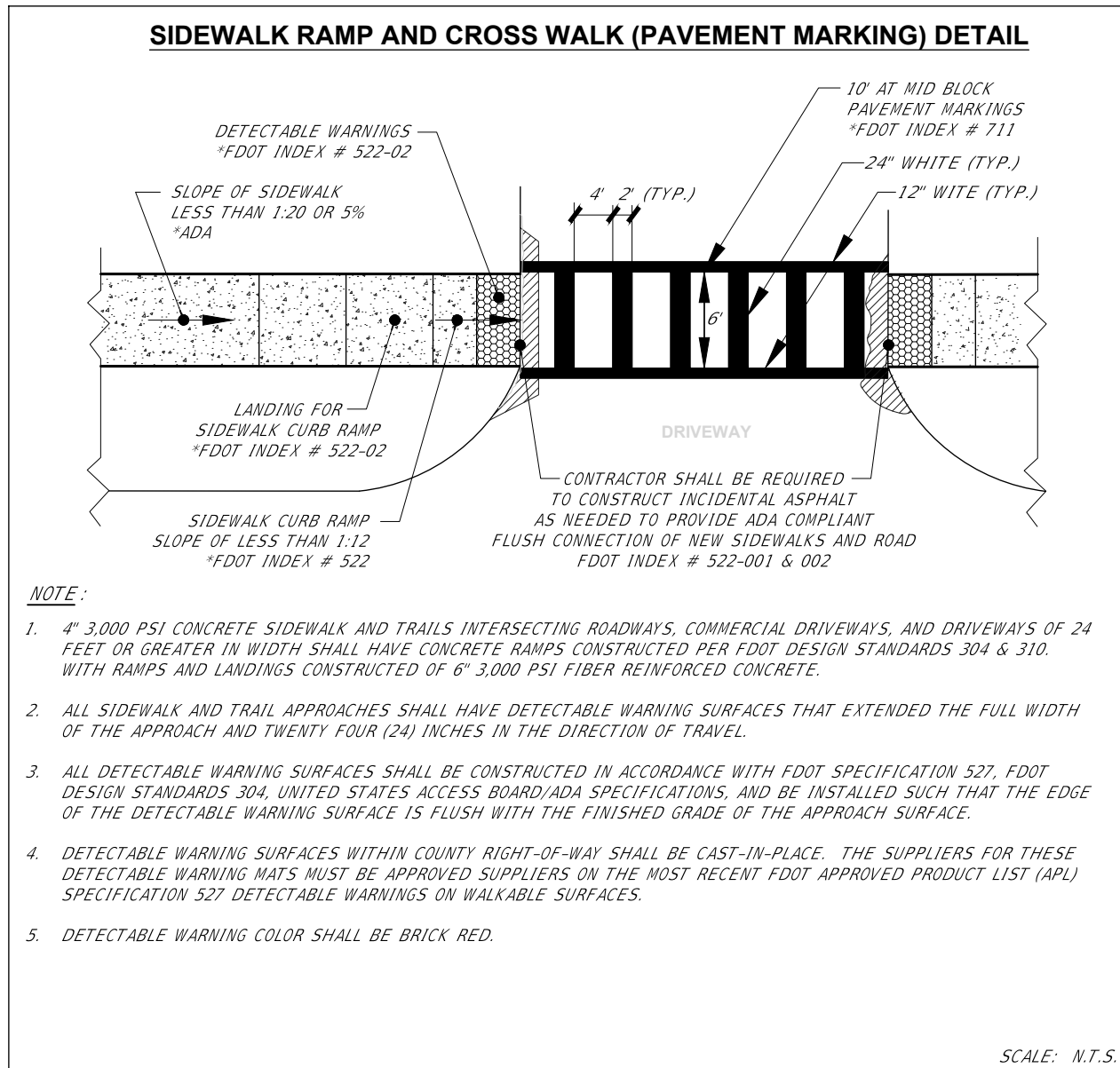
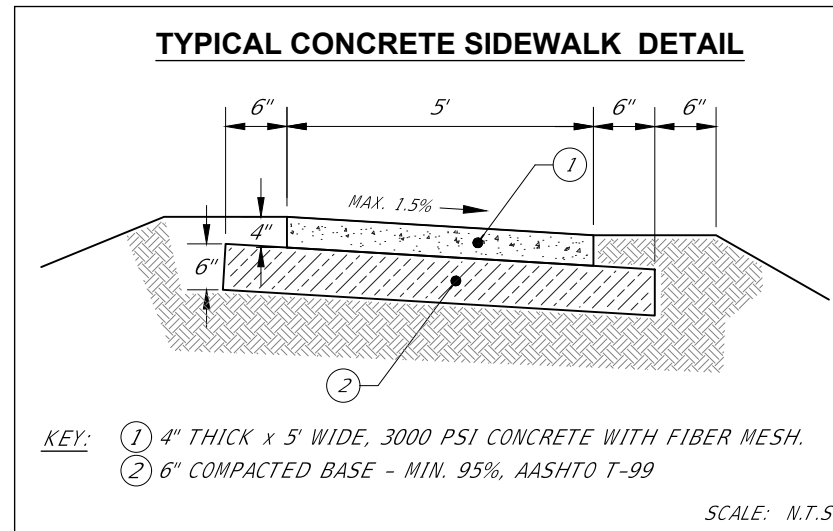
ROUTINE MAINTENANCE - STORM WATER

AFTER COMPLETION OF CONSTRUCTION, SWALES WILL BE MOWED AND MAINTAINED AS PART OF THE COUNTY ROAD MAINTENANCE.

TRASH AND DEBRIS THAT ACCUMULATES WITHIN THE RETENTION PONDS, SWALES, PIPES, AND INLETS WILL BE MANUALLY COLLECTED AND DISPOSED OF WITH OTHER NORMAL SOLID WASTE.

ANY EROSION, LOSS OF GRASS, ETC., WILL BE REPAIRED OR REPLACED ROUTINELY AND AS NEEDED.

FOR 1% SLOPE, 120'
 FOR 2.5% SLOPE, 50'
 FOR SLOPES STEEPER THAN 2.5%, CONSIDER USING TEMPORARY SOD PER FDOT STANDARD PLANS 570-001



GENERAL DETAILS

Curve Table: **Sawgrass Bay Blvd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C2	300.00	86.32	(444633.79,1472865.17)	(444550.01,1472884.68)	016° 29' 11"	N76° 53' 18.60"W	86.03
C3	35.00	25.64	(444657.88,1472872.13)	(444633.79,1472865.17)	041° 58' 39"	S73° 52' 46.40"W	25.07

Line Table: **Alignment North**

Line #	Length	Direction	Start Point	End Point
L3	4.60	N68° 38' 42.98"W	(444550.01,1472884.68)	(444545.72,1472886.36)

Curve Table: **Sawgrass Bay Blvd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C12	100.00	70.28	(444872.12,1472876.91)	(444805.89,1472858.12)	040° 16' 08"	S74° 09' 45.68"W	68.85

Line Table: **Alignment North**

Line #	Length	Direction	Start Point	End Point
L10	31.03	S54° 01' 41.78"W	(444897.24,1472895.13)	(444872.12,1472876.91)

Curve Table: **Sawgrass Bay Blvd. Inside EOP**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C13	111.01	62.99	(444816.44,1472844.40)	(444874.95,1472865.37)	032° 30' 33"	N70° 17' 05.62"E	62.15

Line Table: **Alignment North**

Line #	Length	Direction	Start Point	End Point
L11	35.52	N54° 01' 41.78"E	(444874.95,1472865.37)	(444903.70,1472886.23)

Curve Table: **Sawgrass Bay Blvd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C10	1146.00	157.37	(444740.89,1472759.45)	(444865.41,1472855.48)			
C11	502.50	251.83	(444865.41,1472855.48)	(445087.02,1472969.45)			

Curve Table: **Sawgrass Bay Blvd. Inside EOP**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C14	100.00	7.67	(444828.71,1472818.86)	(444834.23,1472824.18)			

Line Table: **Alignment North**

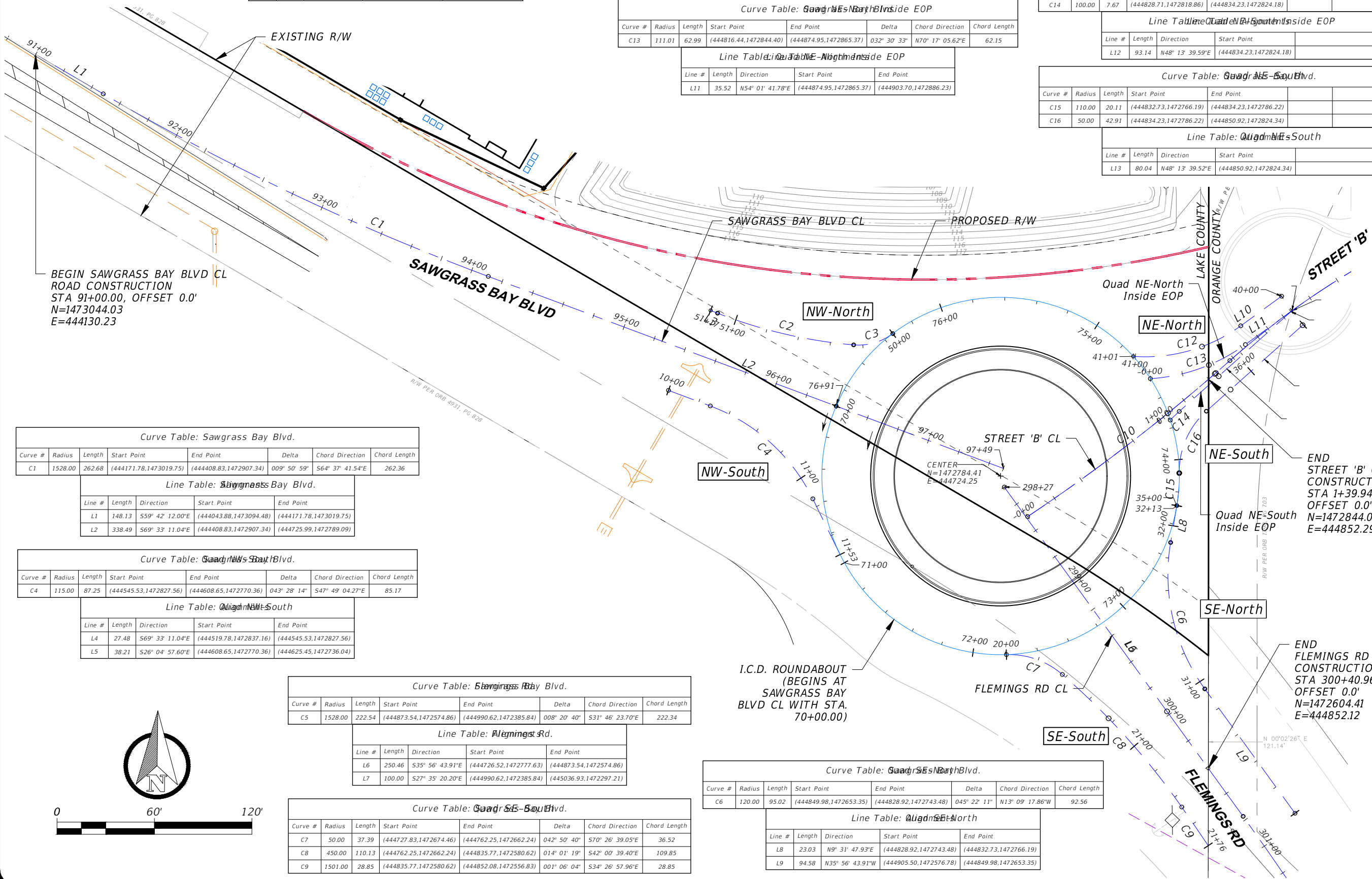
Line #	Length	Direction	Start Point	End Point
L12	93.14	N48° 13' 39.52"E	(444834.23,1472824.18)	

Curve Table: **Sawgrass Bay Blvd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C15	110.00	20.11	(444832.73,1472766.19)	(444834.23,147286.22)			
C16	50.00	42.91	(444834.23,147286.22)	(444850.92,1472824.34)			

Line Table: **Alignment South**

Line #	Length	Direction	Start Point	End Point
L13	80.04	N48° 13' 39.52"E	(444850.92,1472824.34)	



BEGIN SAWGRASS BAY BLVD CL ROAD CONSTRUCTION
 STA 91+00.00, OFFSET 0.0'
 N=1473044.03
 E=444130.23

END STREET 'B' CL CONSTRUCTION
 STA 1+39.94,
 OFFSET 0.0'
 N=1472844.02
 E=444852.29

END FLEMINGS RD CL CONSTRUCTION
 STA 300+40.96,
 OFFSET 0.0'
 N=1472604.41
 E=444852.12

I.C.D. ROUNDABOUT
 (BEGINS AT SAWGRASS BAY
 BLVD CL WITH STA.
 70+00.00)

Curve Table: **Sawgrass Bay Blvd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C1	1528.00	262.68	(444171.78,1473019.75)	(444408.83,1472907.34)	009° 50' 59"	S64° 37' 41.54"E	262.36

Line Table: **Sawgrass Bay Blvd.**

Line #	Length	Direction	Start Point	End Point
L1	148.13	S59° 42' 12.00"E	(444043.88,1473094.48)	(444171.78,1473019.75)
L2	338.49	S69° 33' 11.04"E	(444408.83,1472907.34)	(444725.99,1472789.09)

Curve Table: **Sawgrass Bay Blvd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C4	115.00	87.25	(444545.53,1472827.56)	(444608.65,1472770.36)	043° 28' 14"	S47° 49' 04.27"E	85.17

Line Table: **Alignment South**

Line #	Length	Direction	Start Point	End Point
L4	27.48	S69° 33' 11.04"E	(444519.78,1472837.16)	(444545.53,1472827.56)
L5	38.21	S26° 04' 57.60"E	(444608.65,1472770.36)	(444625.45,1472736.04)

Curve Table: **Flemings Rd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C5	1528.00	222.54	(444873.54,1472574.86)	(444990.62,1472385.84)	008° 20' 40"	S31° 46' 23.70"E	222.34

Line Table: **Flemings Rd.**

Line #	Length	Direction	Start Point	End Point
L6	250.46	S35° 56' 43.91"E	(444726.52,1472777.63)	(444873.54,1472574.86)
L7	100.00	S27° 35' 20.20"E	(444990.62,1472385.84)	(445036.93,1472297.21)

Curve Table: **Sawgrass Bay Blvd.**

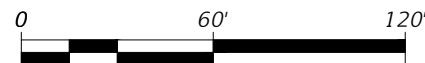
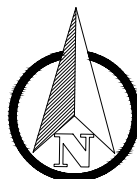
Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C7	50.00	37.39	(444727.83,1472674.46)	(444762.25,1472662.24)	042° 50' 40"	S70° 26' 39.05"E	36.52
C8	450.00	110.13	(444762.25,1472662.24)	(444835.77,1472580.62)	014° 01' 19"	S42° 00' 39.40"E	109.85
C9	1501.00	28.85	(444835.77,1472580.62)	(444852.08,1472556.83)	001° 06' 04"	S34° 26' 57.96"E	28.85

Curve Table: **Sawgrass Bay Blvd.**

Curve #	Radius	Length	Start Point	End Point	Delta	Chord Direction	Chord Length
C6	120.00	95.02	(444849.98,1472653.35)	(444828.92,1472743.48)	045° 22' 11"	N13° 09' 17.86"W	92.56

Line Table: **Alignment North**

Line #	Length	Direction	Start Point	End Point
L8	23.03	N9° 31' 47.93"E	(444828.92,1472743.48)	(444832.73,1472766.19)
L9	94.58	N35° 56' 43.91"W	(444905.50,1472576.78)	(444849.98,1472653.35)



JEFFREY J. EARHART P.E. NO. 49935

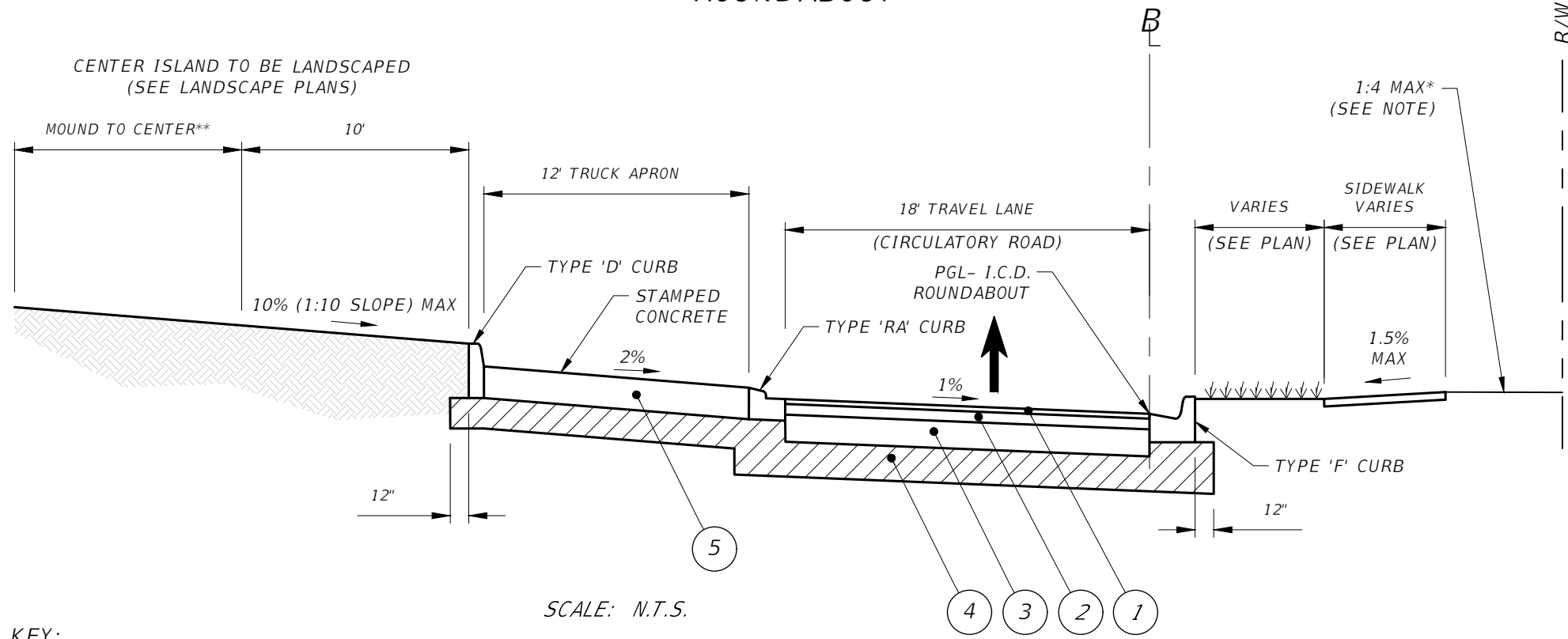
LAKE COUNTY, FL

PROJECT CONTROL

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TYPICAL ROAD SECTION ROUNDABOUT



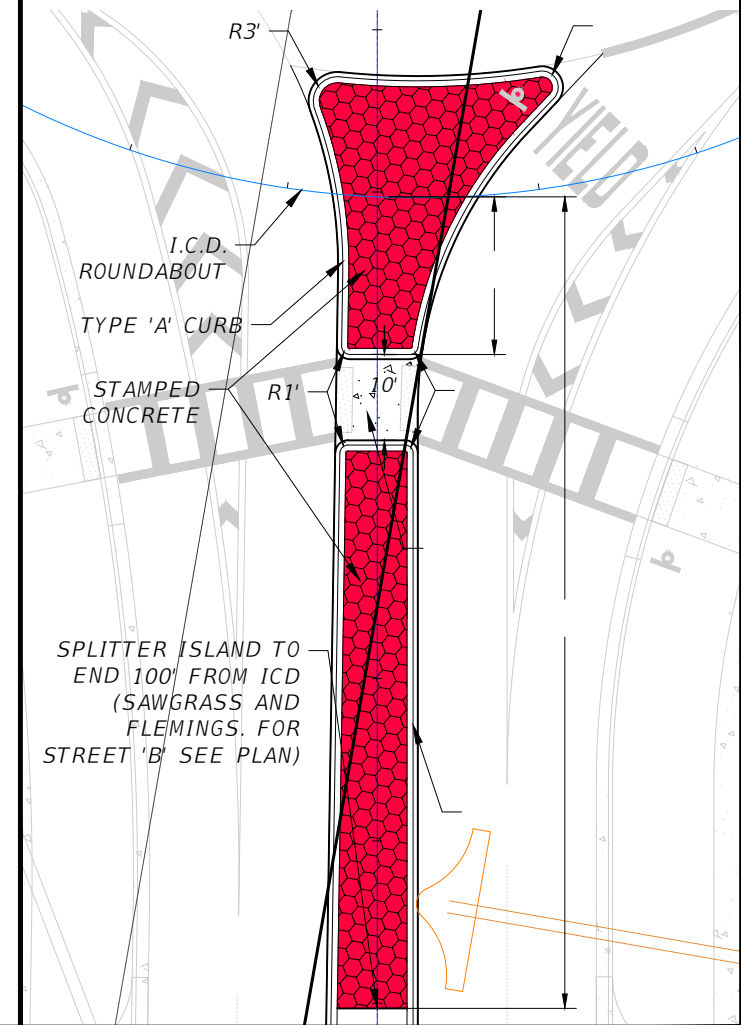
KEY:

- 1. 1" MIN. FICTION COURSE FC-9.5, ASPHALT TRAFFIC LEVEL C.
- 2. 2.5" MIN. STRUCTURAL COURSE, SP-12.5
- 3. 10" LIMEROCK, TO BE INSTALLED IN 2 LIFTS, 98% COMPACTION EACH LIFT, A.A.S.H.T.O. T-180, PRIMED AND SANDED.
- 4. 12" TYPE B STABILIZED SUBGRADE MIN. LBR 40, 98% COMPACTION, A.A.S.H.T.O. T-180
- 5. 12" THICK TRUCK APRON - 3,000 PSI CONCRETE WITH 6x6x⁶/₈ WELDED WIRE FABRIC. COLOR: LAMBERT 10-285 RED 5-LBS

NOTES:

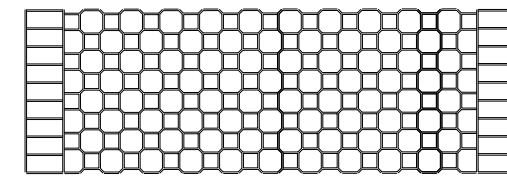
- 1. ALL STRIPING TO BE LEAD & SOLVENT FREE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- 2. SOD ALL DISTURBED AREAS.
- 3. FINISH GRADE OF SHOULDER TO BE BELOW EDGE OF PAVEMENT TO ALLOW FOR SOD PER FDOT INDEX 570-010.
- 4. DESIGN SPEED IS 40 MPH. POST SPEED IS 35 MPH.
- * TIE-IN SLOPE TO BE 1:4 MAX EXCEPT IN NW QUADRANT-NORTH SIDE (EXIT LANE) WHERE TIE-IN TO SURFACE NEEDS TO BE 1:8 MAX SLOPE TO PROVIDE COVER FOR DRAINAGE PIPE.
- ** HIGHEST POINT OF MOUND NOT TO EXCEED 6' ABOVE THE LOWEST ELEVATION OF CIRCULATORY ROADWAY AT RA CURB EDGE.

SPLITTER ISLAND DETAIL



STAMPED CONCRETE DETAIL

PAVEWAY SYSTEMS-PAVEWAY STONE-THERMO-SET (STS)
 COLOR: LAMBERT 10-285 RED 5-LBS
 Octagonal and Square with
 Soldier Course Border



STAMPED CONCRETE PATTERN
 NOT TO SCALE

NOTES:

- 1. THE CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS (TCP) FOR APPROVAL PRIOR TO BEGINNING WORK. THE TCP SHALL MAINTAIN ONE LANE OF TRAFFIC IN ALL DIRECTIONS DURING ACTIVE WORK PERIOD HOURS WHEN LANE CLOSURES ARE ALLOWED.
- 2. PRIOR TO THE STAMPING PROCESS, THE CONTRACTOR SHALL COORDINATE WITH LAKE COUNTY TO VERIFY THE COLOR, ALIGNMENT OF THE TEXTURED PAVEMENT PATTERN AND THE PLACEMENT OF THE PATTERN.
- 3. PATTERNED PAVEMENT SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATION 523 "PATTERND/TEXTURED PAVEMENT".

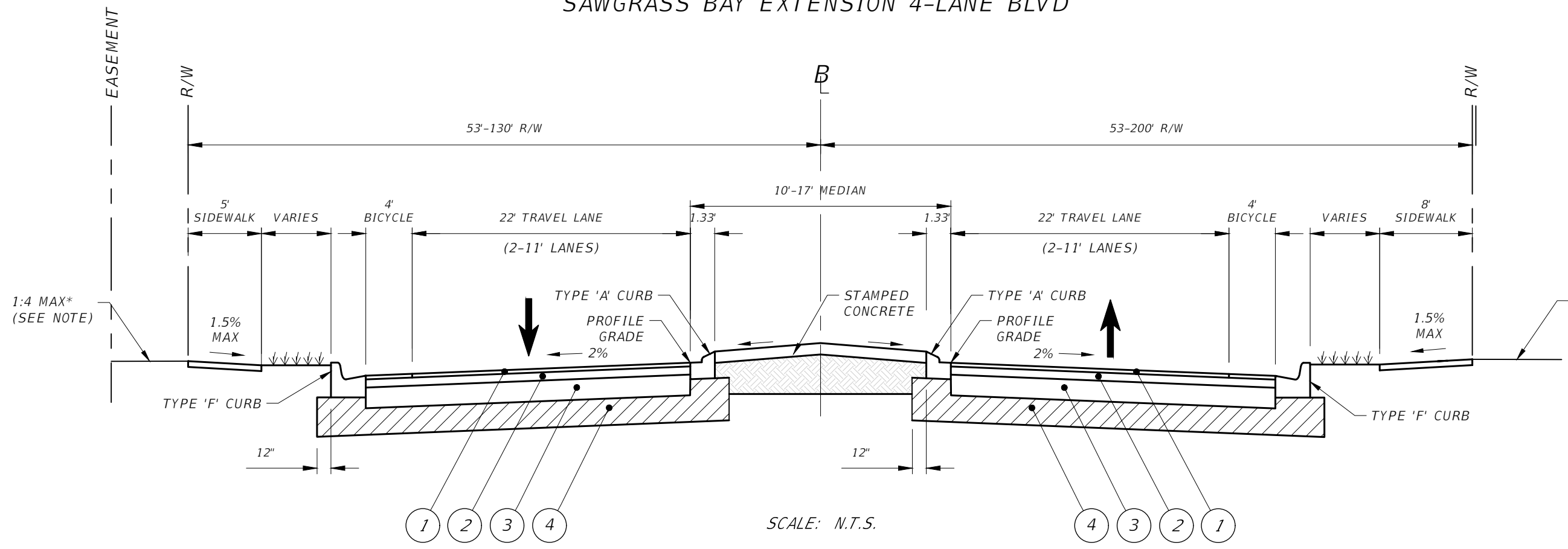
JEFFREY J. EARHART P.E. NO. 49935

ROUNDABOUT TYPICAL

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TYPICAL ROAD SECTION SAWGRASS BAY EXTENSION 4-LANE BLVD



KEY:

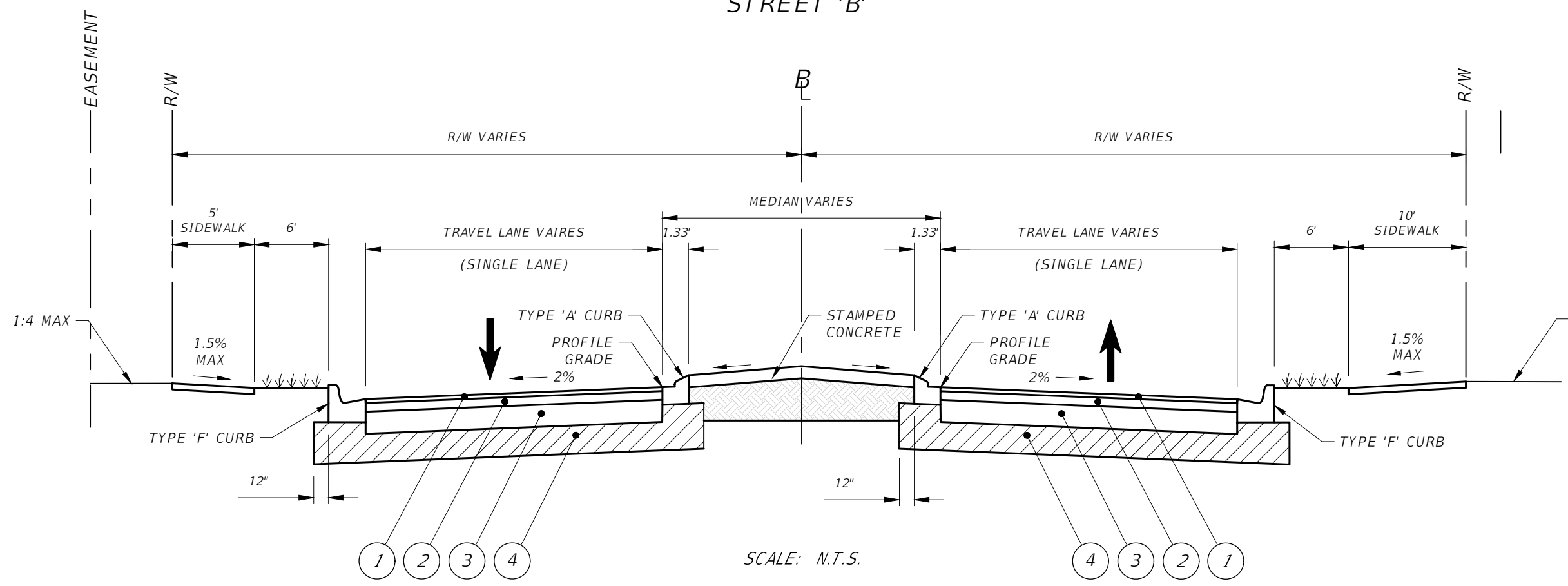
- 1. 1" MIN. FICTION COURSE FC-9.5, ASPHALT TRAFFIC LEVEL C.
- 2. 2.5" MIN. STRUCTURAL COURSE, SP-12.5
- 3. 10" LIMEROCK, TO BE INSTALLED IN 2 LIFTS, 98% COMPACTION EACH LIFT, A.A.S.H.T.O. T-180, PRIMED AND SANDED.
- 4. 12" TYPE B STABILIZED SUBGRADE MIN. LBR 40, 98% COMPACTION, A.A.S.H.T.O. T-180

NOTES:

- 1. ALL STRIPING TO BE LEAD & SOLVENT FREE THERMO L T UNLESS OTHERWISE NOTED.
 - 2. SOD ALL DISTURBED AREAS.
 - 3. FINISH GRADE OF SHOULDER TO BE BELOW EDGE OF V T TO ALLOW FOR SOD PER FDOT INDEX 570-010.
 - 4. DESIGN SPEED IS 40 MPH. POST SPEED IS 35 MPH.
- * TIE-IN SLOPE TO BE 1:4 MAX EXCEPT IN NW QUADRA T- T L T PROVIDE COVER FOR DRAINAGE PIPE.

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TYPICAL ROAD SECTION STREET 'B'



KEY:

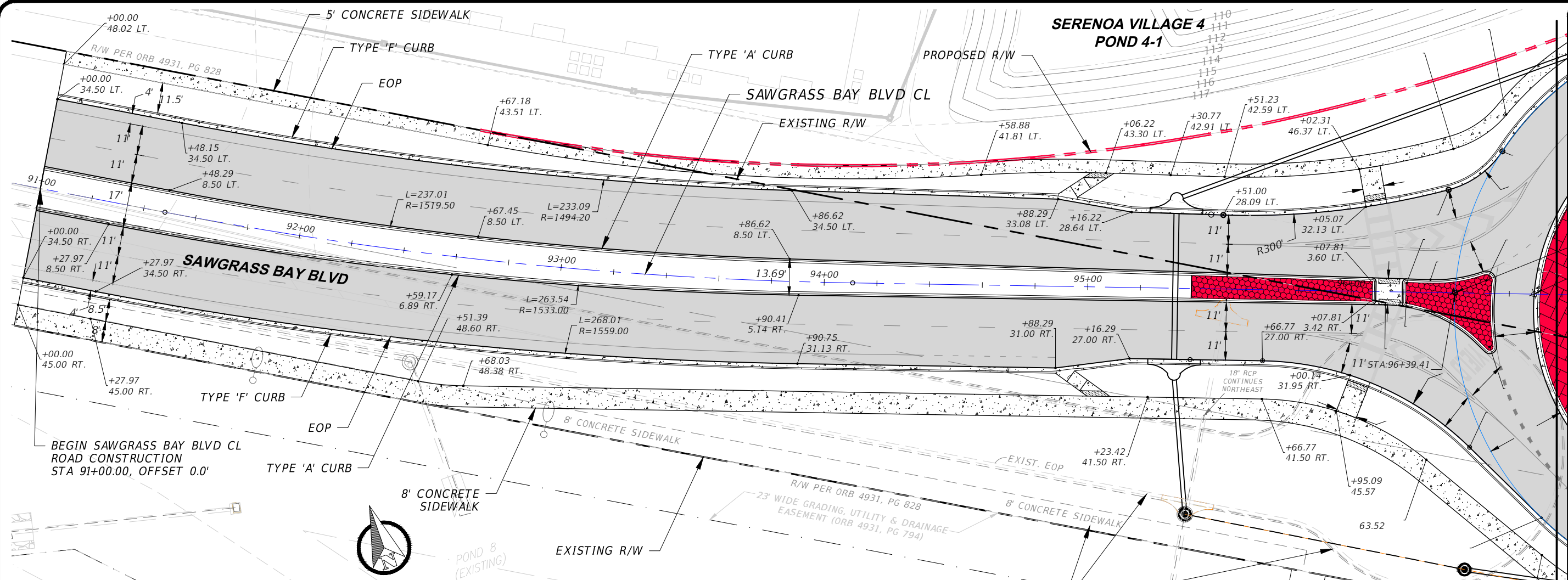
- 1. 1" MIN. FICTION COURSE FC-9.5, ASPHALT TRAFFIC LEVEL C.
- 2. 2.5" MIN. STRUCTURAL COURSE, SP-12.5
- 3. 10" LIMEROCK, TO BE INSTALLED IN 2 LIFTS, 98% COMPACTION EACH LIFT, A.A.S.H.T.O. T-180, PRIMED AND SANDED.
- 4. 12" TYPE B STABILIZED SUBGRADE MIN. LBR 40, 98% COMPACTION, A.A.S.H.T.O. T-180

NOTES:

- 1. ALL STRIPING TO BE LEAD & SOLVENT FREE THERMO L T UNLESS OTHERWISE NOTED.
- 2. SOD ALL DISTURBED AREAS.
- 3. FINISH GRADE OF SHOULDER TO BE BELOW EDGE OF V T TO ALLOW FOR SOD PER FDOT INDEX 570-010.
- 4. DESIGN SPEED IS 40 MPH. POST SPEED IS 35 MPH.

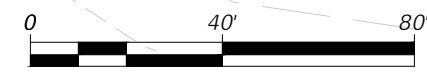
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LEGEND

- ASPHALT PAVEMENT
- 4" CONCRETE

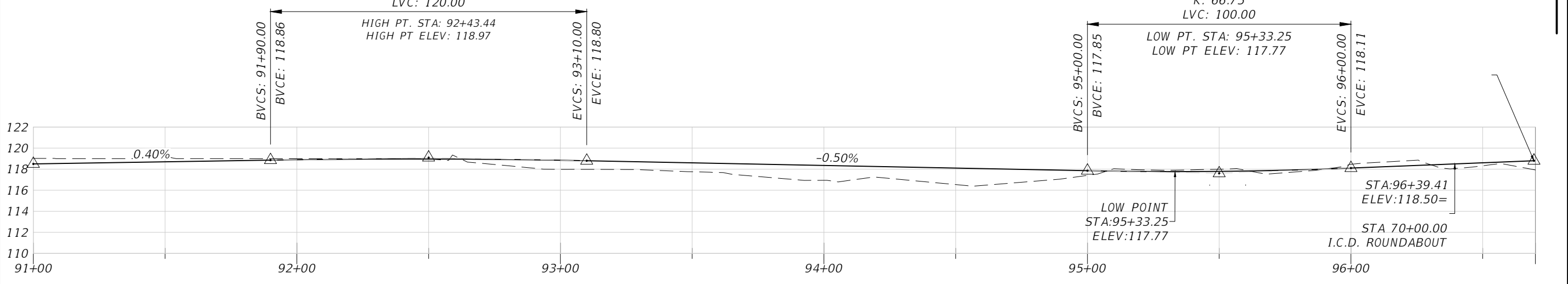


PVI STA: 92+50.00
 PVI ELEV: 119.10
 K: 133.61
 LVC: 120.00

HIGH PT. STA: 92+43.44
 HIGH PT ELEV: 118.97

PVI STA: 95+50.00
 PVI ELEV: 117.61
 K: 66.75
 LVC: 100.00

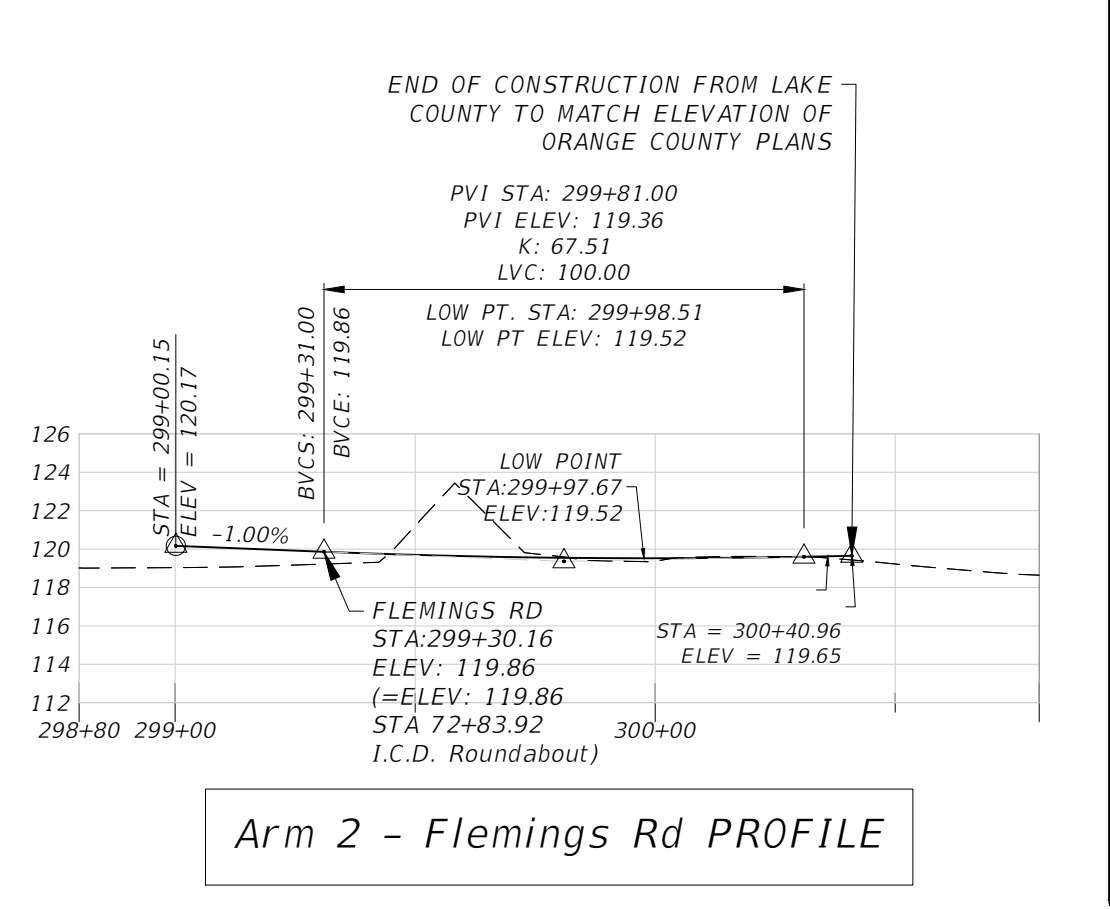
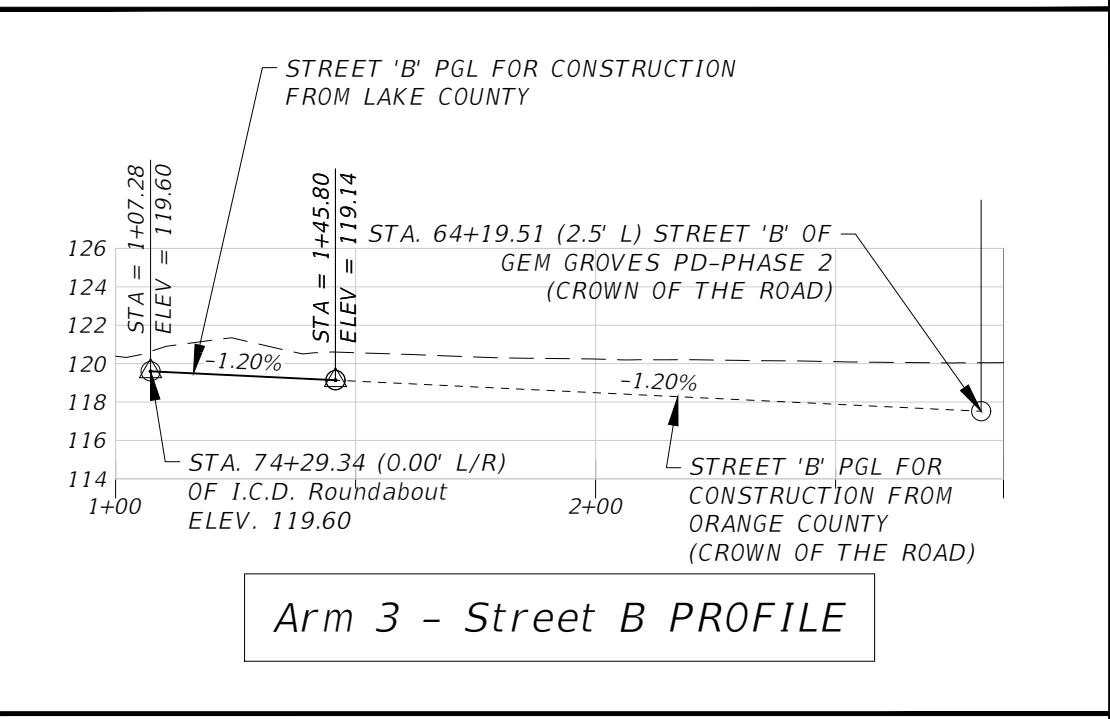
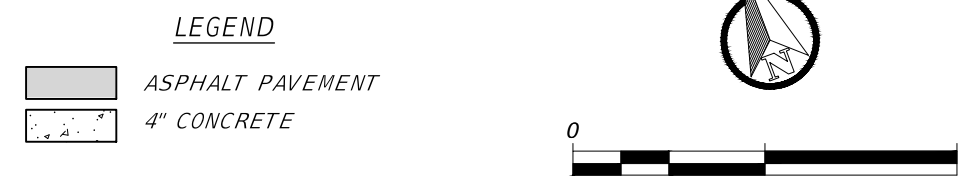
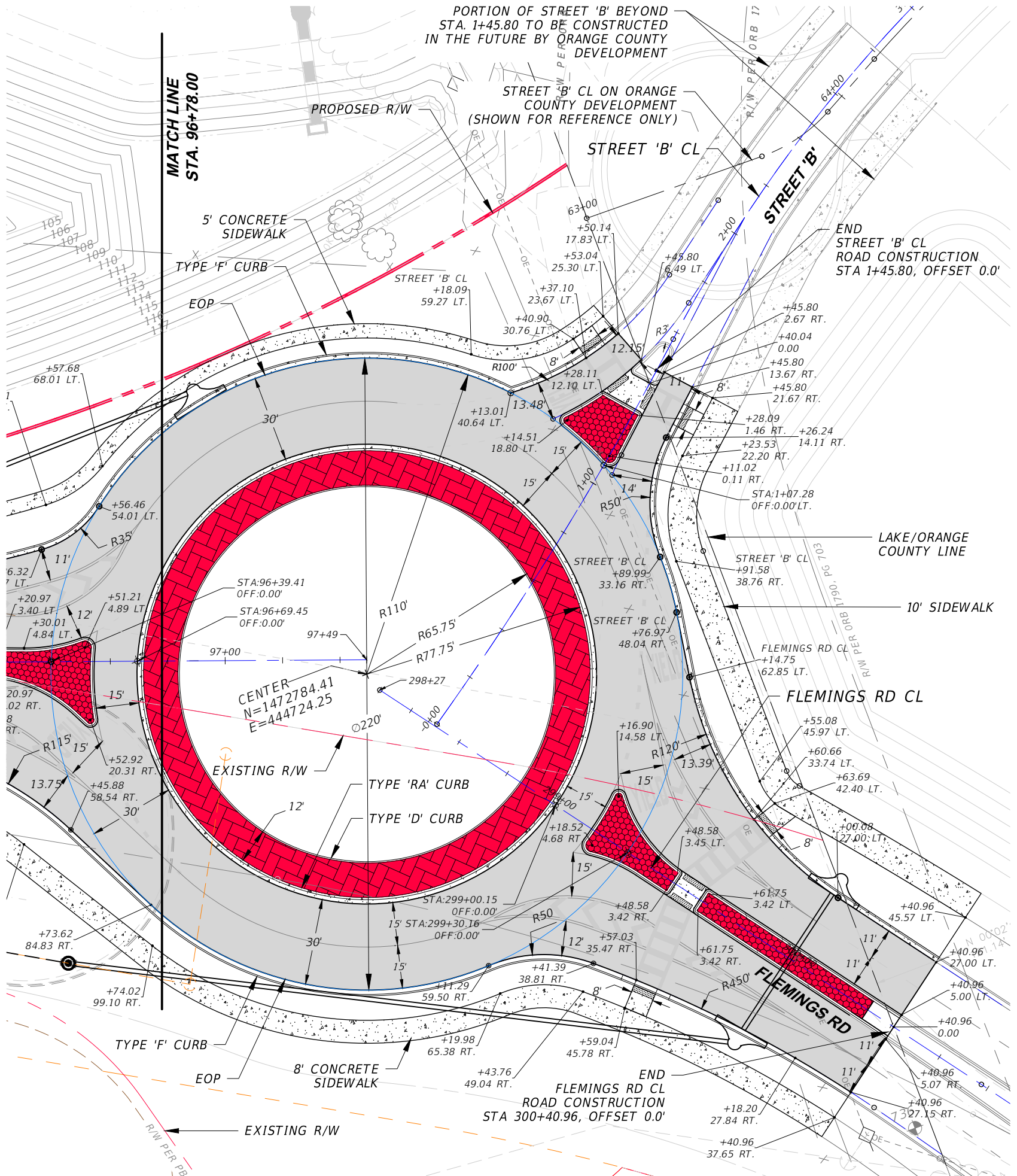
LOW PT. STA: 95+33.25
 LOW PT ELEV: 117.77



Arm 1 - Sawgrass Bay Blvd PROFILE

SAWGRASS BAY PLAN & PROFILE

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LAKE COUNTY, FL

RA FLEMINGS PLAN & PROFILE

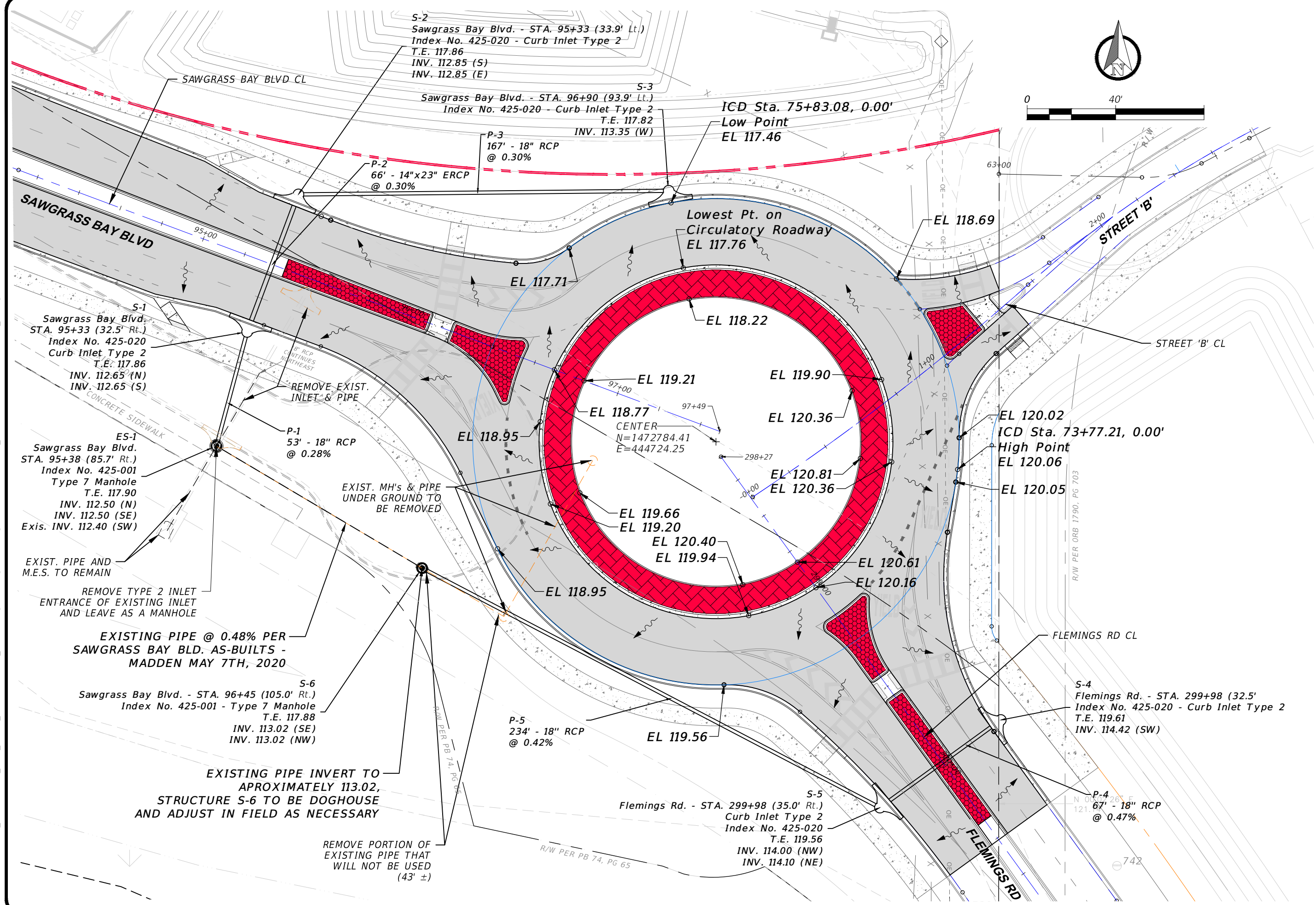
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DRAINAGE & GRADING DETAIL



S-2
Sawgrass Bay Blvd. - STA. 95+33 (33.9' Lt.)
Index No. 425-020 - Curb Inlet Type 2
T.E. 117.86
INV. 112.85 (S)
INV. 112.85 (E)

S-3
Sawgrass Bay Blvd. - STA. 96+90 (93.9' Lt.)
Index No. 425-020 - Curb Inlet Type 2
T.E. 117.82
INV. 113.35 (W)

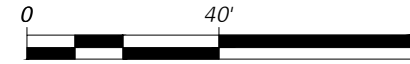
P-3
167' - 18" RCP
@ 0.30%

P-2
66' - 14"x23" ERCP
@ 0.30%

ICD Sta. 75+83.08, 0.00'
Low Point
EL 117.46

Lowest Pt. on
Circulatory Roadway
EL 117.76

EL 118.69



S-1
Sawgrass Bay Blvd.
STA. 95+33 (32.5' Rt.)
Index No. 425-020
Curb Inlet Type 2
T.E. 117.86
INV. 112.65 (N)
INV. 112.65 (S)

ES-1
Sawgrass Bay Blvd.
STA. 95+38 (85.7' Rt.)
Index No. 425-001
Type 7 Manhole
T.E. 117.90
INV. 112.50 (N)
INV. 112.50 (SE)
Exis. INV. 112.40 (SW)

REMOVE EXIST.
INLET & PIPE

P-1
53' - 18" RCP
@ 0.28%

EXIST. MH's & PIPE
UNDER GROUND TO
BE REMOVED

EXIST. PIPE AND
M.E.S. TO REMAIN

REMOVE TYPE 2 INLET
ENTRANCE OF EXISTING INLET
AND LEAVE AS A MANHOLE

EXISTING PIPE @ 0.48% PER
SAWGRASS BAY BLD. AS-BUILTS -
MADDEN MAY 7TH, 2020

S-6
Sawgrass Bay Blvd. - STA. 96+45 (105.0' Rt.)
Index No. 425-001 - Type 7 Manhole
T.E. 117.88
INV. 113.02 (SE)
INV. 113.02 (NW)

EXISTING PIPE INVERT TO
APPROXIMATELY 113.02,
STRUCTURE S-6 TO BE DOGHOUSE
AND ADJUST IN FIELD AS NECESSARY

REMOVE PORTION OF
EXISTING PIPE THAT
WILL NOT BE USED
(43' ±)

P-5
234' - 18" RCP
@ 0.42%

EL 119.56

S-5
Flemings Rd. - STA. 299+98 (35.0' Rt.)
Curb Inlet Type 2
Index No. 425-020
T.E. 119.56
INV. 114.00 (NW)
INV. 114.10 (NE)

S-4
Flemings Rd. - STA. 299+98 (32.5'
Index No. 425-020 - Curb Inlet Type 2
T.E. 119.61
INV. 114.42 (SW)

P-4
67' - 18" RCP
@ 0.47%

EL 120.02
ICD Sta. 73+77.21, 0.00'
High Point
EL 120.06

EL 120.05

EL 120.61
EL 120.16

EL 118.77

EL 120.36

EL 120.81
EL 120.36

EL 119.66
EL 119.20

EL 120.40
EL 119.94

EL 118.95

EL 118.95

EL 118.22

EL 119.21

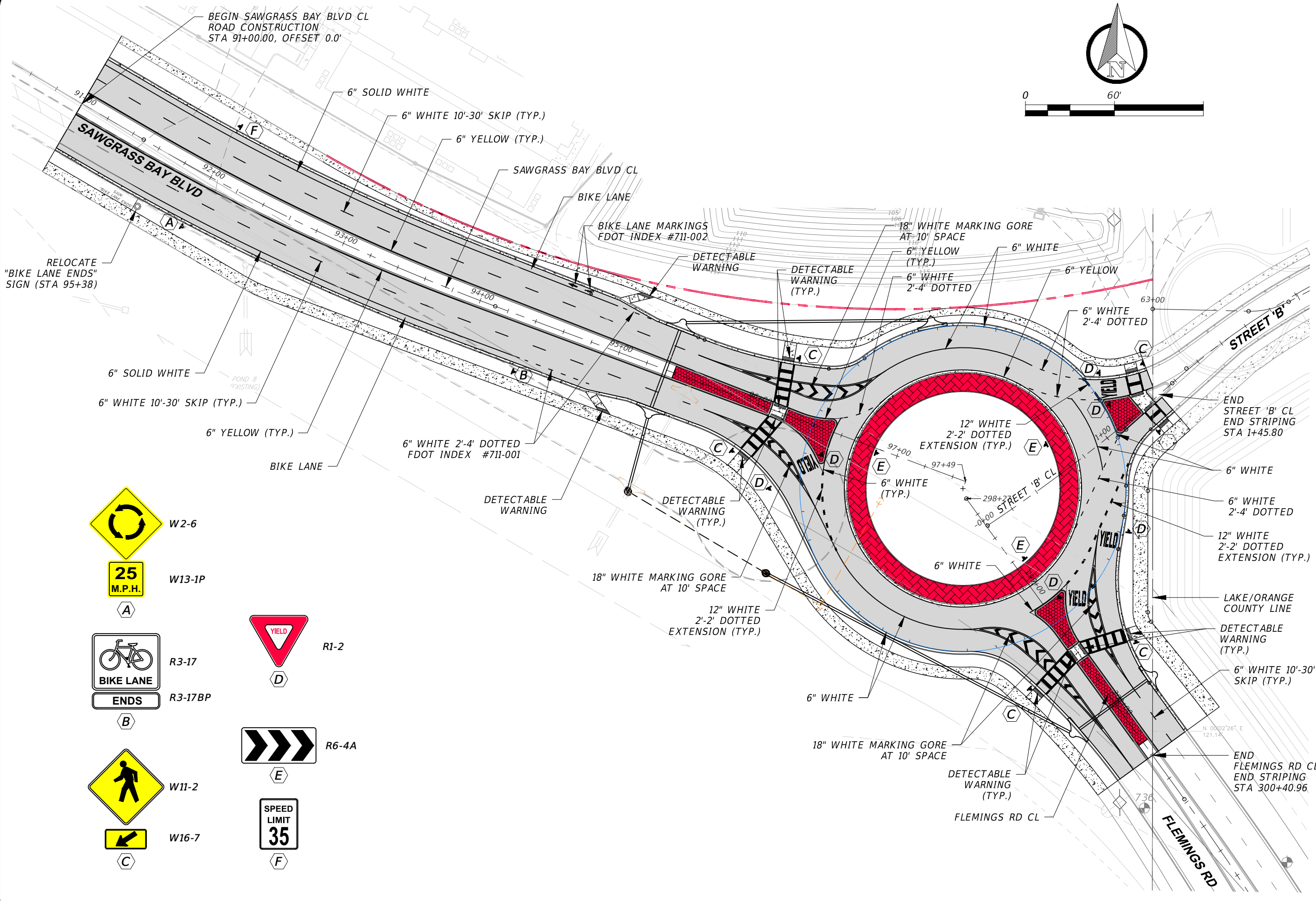
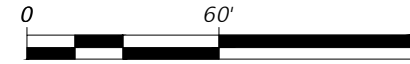
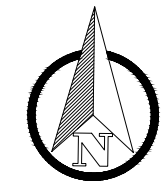
EL 119.90










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SIGN & STRIPING PLAN



-  W2-6
-  W13-1P
-  R3-17
-  R3-17BP
-  W11-2
-  W16-7
-  R1-2
-  R6-4A
-  F