# LEE COUNTY DEPARTMENT OF TRANSPORTATION

## CONTRACT PLANS

DEL PRADO ADA INTERSECTION IMPROVEMENTS

CORALWOOD CENTER ENTRANCE TO CORAL POINT DRIVET

PROJECT NO. 6079

# T 43 5 T 44 5

#### INDEX OF ROADWAY PLANS

HEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEM.
3	GENERAL NOTES
4	PROJECT LAYOUT
5-13	PLAN SHEETS
14-17	SIGNALIZATION PLANS

# LEE COUNTY

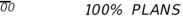
#### GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY2017-18 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website: http://www.fdot.gov/roadway/DesignStandards/Standards.shtm

BEGIN PROJECT

#### GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2017 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks



ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

ADRIENNE A. WISDOM, P.E. 1514 BROADWAY SUITE 202 FT. MYERS, FLORIDA 33901-3015 (239) 271-3408

PLANS PREPARED BY:

### **ATKINS**

1514 BROADWAY SUITE 202 FT. MYERS, FLORIDA 33901-3015 (239) 271-3408 VENDOR NO. F590896138001 FBPR CERTIFICATE OF AUTHORIZATION NO. 24

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

ROADWAY PLANS ENGINEER OF RECORD: <u>Adrienne A. Wisdom, P.E.</u>

P.E. NO.: 78492

FISCAL YEAR	SHEET NO.
18	1

TO NAPLES

1	SUMMARY OF QUANTITIES					
PAY ITEM NO.	PAY ITEM NO. DESCRIPTION					
101-1	MOBILIZATION	LS	1			
102-1	MAINTENANCE OF TRAFFIC	LS	1			
110-1	CURB AND GUTTER REMOVAL	LF	960			
110-1-1	CLEARING AND GRUBBING	AC	0.12			
110-4	REMOVAL OF EXIST CONCRETE PAVEMENT	SY	<i>561</i>			
285-709	OPTIONAL BASE GROUP 9	SY	24			
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	191			
333-1	ASPHALTIC CONCRETE, S-1 (2 1/2")	TN	3.3			
333-2	ASPHALTIC CONCRETE, S-3 (1")	TN	11.85			
425-6	ADJUSTING VALVE	EA	7			
425-7	MANHOLE COVER-REPLACE	EA	1			
520-1-10	CONCRETE CURB AND GUTTER - TYPE F	LF	960			
520-2-4	CONCRETE CURB - TYPE D	LF	71			
520-70	CONCRETE TRAFFIC SEPARATOR, 4' WIDE	SY	.72			
522-2	CONCRETE SIDEWALK, 6" THICK	SY	561			
527-2	DETECTABLE WARNINGS	SF	295			
570-1-2	PERFORMANCE TURF, SOD	SY	230			
630-2-11	CONDUIT, F & I, OPEN TRENCH	LF	205			
630-2-12	CONDUIT, F & I, DIRECTIONAL BORE	LF	343			
632-7-2	SIGNAL CABLE-REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	3836			
635-2-11	PULL & SPLICE BOX, F&I, 17"X30"X12"	EA	10			
646-1-11	ALUMINUM SIGNALS POLE,F&I,PEDESTRIAN DETECTOR POST	EA	14			
646-1-40	ALUMINUM SIGNALS POLE, RELOCATE, PEDESTAL	EA	2 7			
646-1-60	ALUMINUM SIGNALS POLE, REMOVAL	EA	,			
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8			
653-1-40	PEDESTRIAN SIGNAL, RELOCATE, 1 WAY	AS	8			
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	6 11			
665-1-40	PEDESTRIAN DETECTOR, RELOCATE, STANDARD	EA SF	6.5			
710-11-290 711-11-123	PAINTED PVT MARKINGS, STD, YELLOW, ISLANDNOSE	LF LF	2482			
	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF LF	2402 250			
711-11-125 711-16-201	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF I F	250 18			
/11-10-201	I HERMOPLASTIC, STANDARD, TELLOW, SOLID, 6"	LF	10			

<sup>\*</sup>Pay items shown reference FDOT standards and criteria and are presented to aid in describing the work. Payment for work items will be made on a unit price basis.

	REVISIONS	
	DESCRIPTION	DATE
LEE COUNTY		
SOUTHWEST FLORIDA		

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LEE COUNTY DEPARTMENT OF TRANSPORTATION						
ROAD COUNTY COUNTY PROJECT NO.						
DEL PRADO BLVD.	LEE	6079				

SUMMARY OF PAY ITEMS

SHEET NO. 2

#### GENERAL NOTES

- 1. HORIZONTAL DATUM IN PLANS IS THE NORTH AMERICAN DATUM OF 1983/2011 ADJUSTMENT (NAD 83/11). THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 2. 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 COUNTY PROJECT MANAGER WITHOUT DELAY BY TELEPHONE.
- 3. CONCRETE FOR SIDEWALK SHALL BE 6" THICK AND CONSTRUCTED IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX 310 AND FDOT SPECIFICATION SECTION 522. REMOVE ANY EXISTING SIDEWALK OR CURB AND GUTTER BEYOND THE DESIGNATED TIE-IN LOCATION TO THE NEAREST JOINT SO THAT NO REMAINING SECTION OF SIDEWALK OR CURB AND GUTTER IS LESS THAN 5' LONG.
- 4. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- 5. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE RESTORATION EFFORTS THAT MAY BE REQUIRED AS A RESULT OF CONSTRUCTION.
- 7. CURB TRANSITIONS ADJACENT TO SIDEWALK FROM FULL HEIGHT CURB TO DROP CURB OR VALLEY CURB SHALL BE MADE OVER A 7' TRANSITION.

#### SIGNING AND MARKING NOTES

- 1) ANY EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- 2) ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION OR RELOCATED SHALL BE RESET TO IT'S ORIINAL POSITION IN EQUAL OR BETTER CONDITION.
- 3) CAUTION SHALL BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE.
- 4) ALL PERMANENT PAVEMENT MARKINGS PLACED WITHIN THE LEE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
- 5) EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED BY HYDROBLASTING.

#### UTILITY NOTES

- 1. THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT SIZE, LOCATION, DEPTH, HEIGHT, ELEVATION, DIMENSION AND EXTENT OF ALL UNDERGROUND AND OVERHEAD FACILITIES AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY THAT MAY AFFECT SUCH FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
- 2. THE CONTRACTOR SHOULD CALL SUNSHINE 811 AND THE UTILITY OWNERS 48 HOURS BEFORE BEGINNING WORK. ALL UTILITIES MAY NOT BE MEMBERS OF SUNSHINE STATE ONE AND WILL THEREFORE REQUIRE DIRECT CONTACT.
- 3. THE FOLLOWING UTILITY COMPANIES HAVE BEEN IDENTIFIED WITHIN THE CONSTRUCTION VICINITY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTHS AND FEILD LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ACTUAL UTILITY LOCATIONS AND DEPTHS MAY VARY FROM THOSE DEPICTED WITHIN THIS CONSTRUCTION PLAN SET.

#### UTILITY CONTACTS

CENTURY LINK FT MYERS	CRAIG CLARK	(239) 336-2003
CITY OF CAPE CORAL UTILITIES	MARVIN McINTYRE	(239) 574-0851
COMCAST	PAUL BAHIZI	(239) 253-7505
FIBERNET DIRECT	DANNY HASKETT	(305) 552-2931
LEE COUNTY SIGNAL DEPARTMENT	MIKE PADGETT	(239) 533-9500
LEE COUNTY ELECTRIC CO-OP	TOM BAILEY	(239) 656-2414
LEE COUNTY UTILITIES	TERRY KELLEY	(239) 479-8181
TECO PEOPLES GAS - FT MYERS	MARILYN ALOI	(239) 690-5517

	REVISIONS	
DATE	DESCRIPTION	
		LEE COUNTY
		SOUTHWEST FLORIDA

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DEPARTMENT OF TRANSPORTATION					
ROAD COUNTY COUNTY PROJECT NO.					
DEL PRADO BLVD.	LEE	6079			

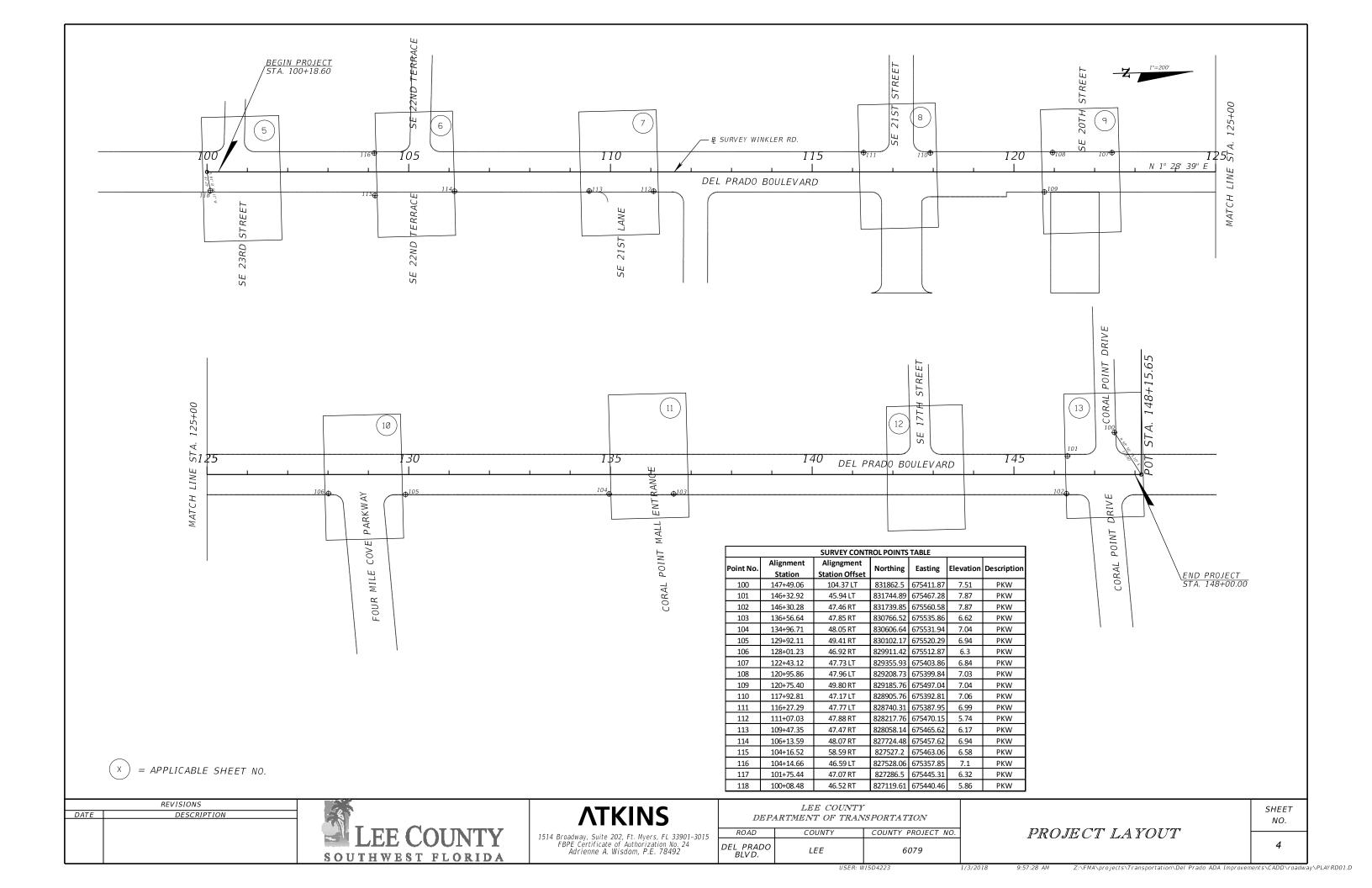
GENERAL NOTES

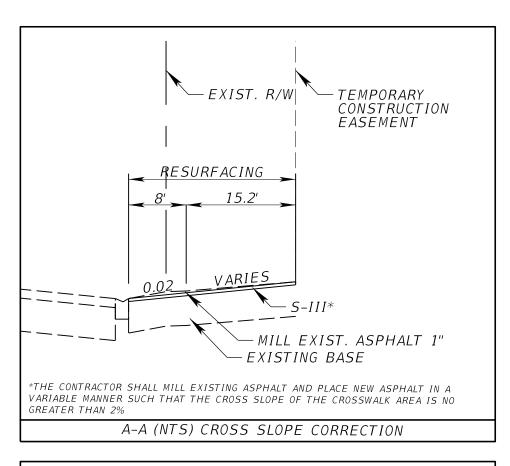
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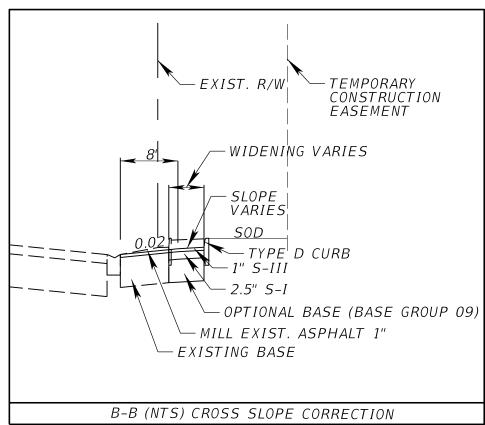
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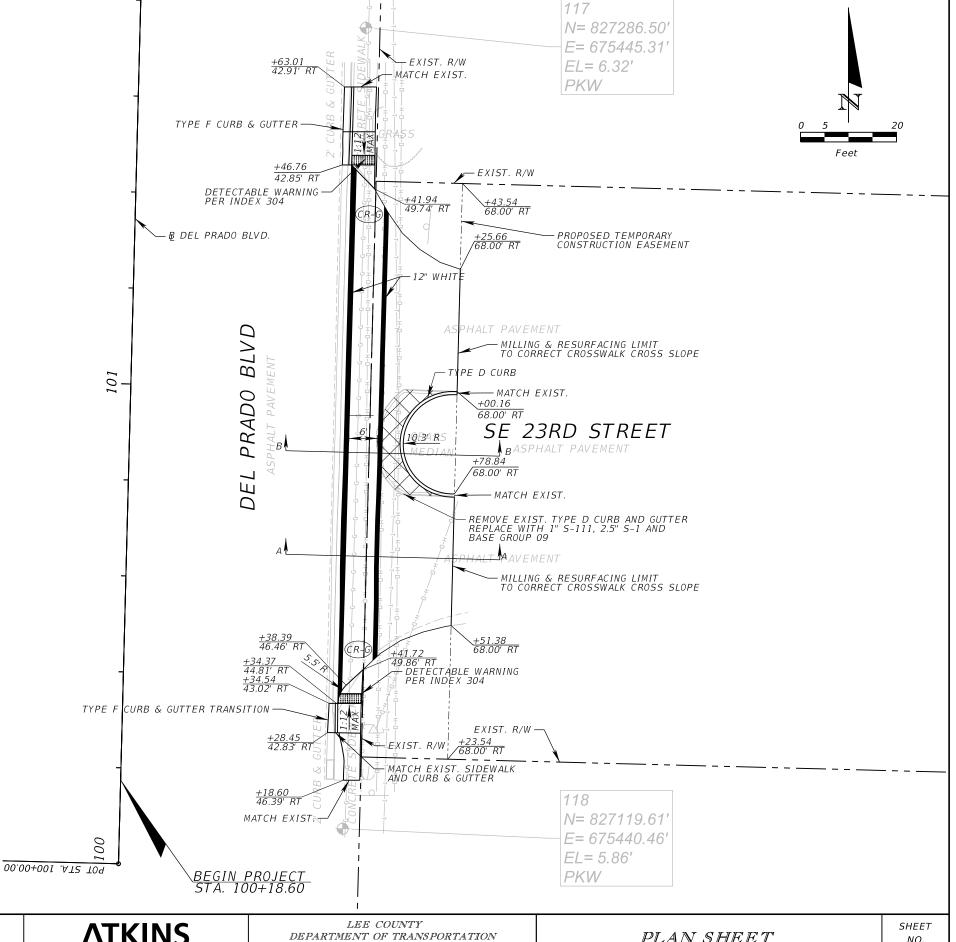
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REVISIONS DESCRIPTION DATE

SOUTHWEST FLORIDA

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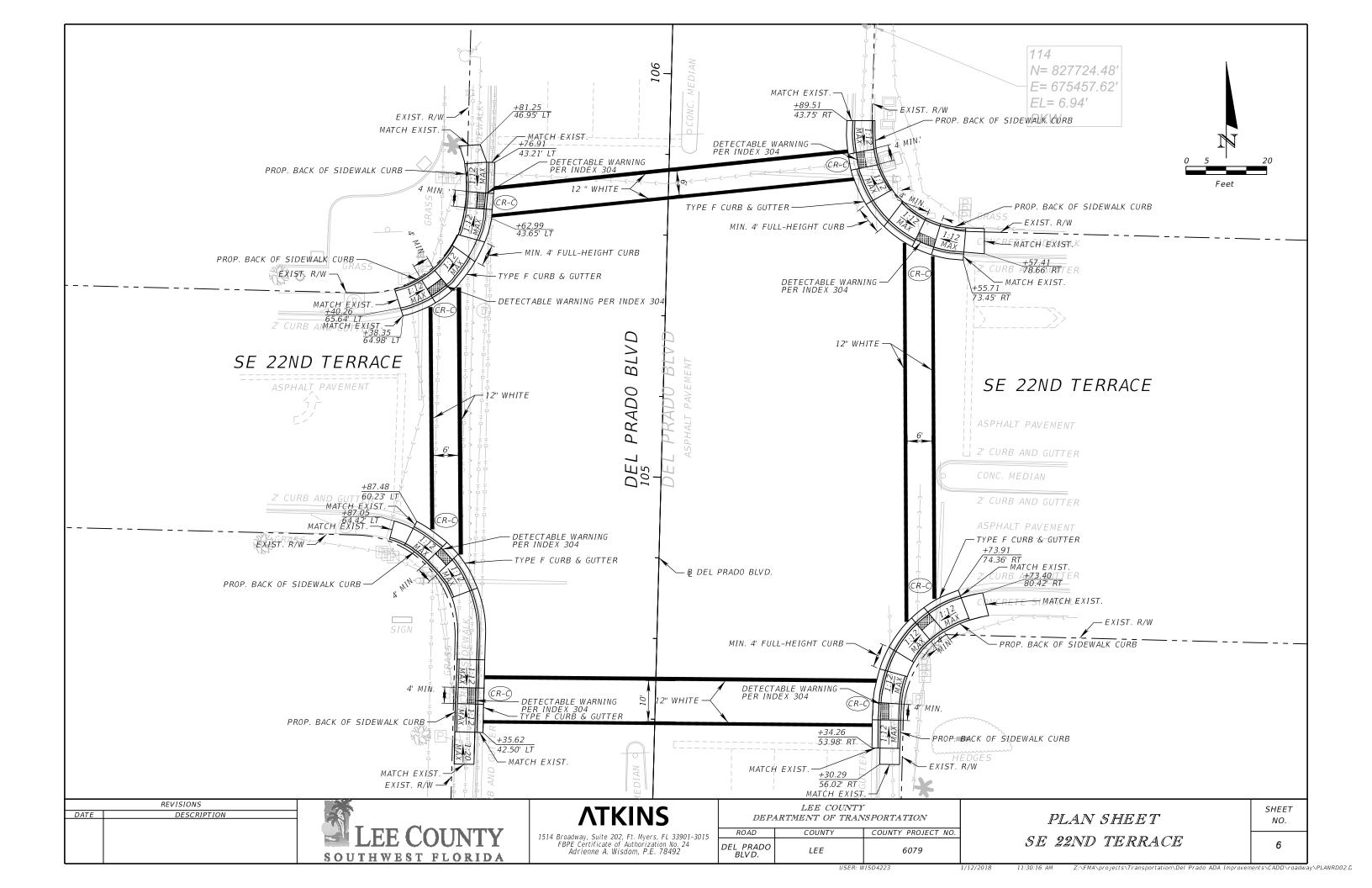
1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Adrienne A. Wisdom, P.E. 78492

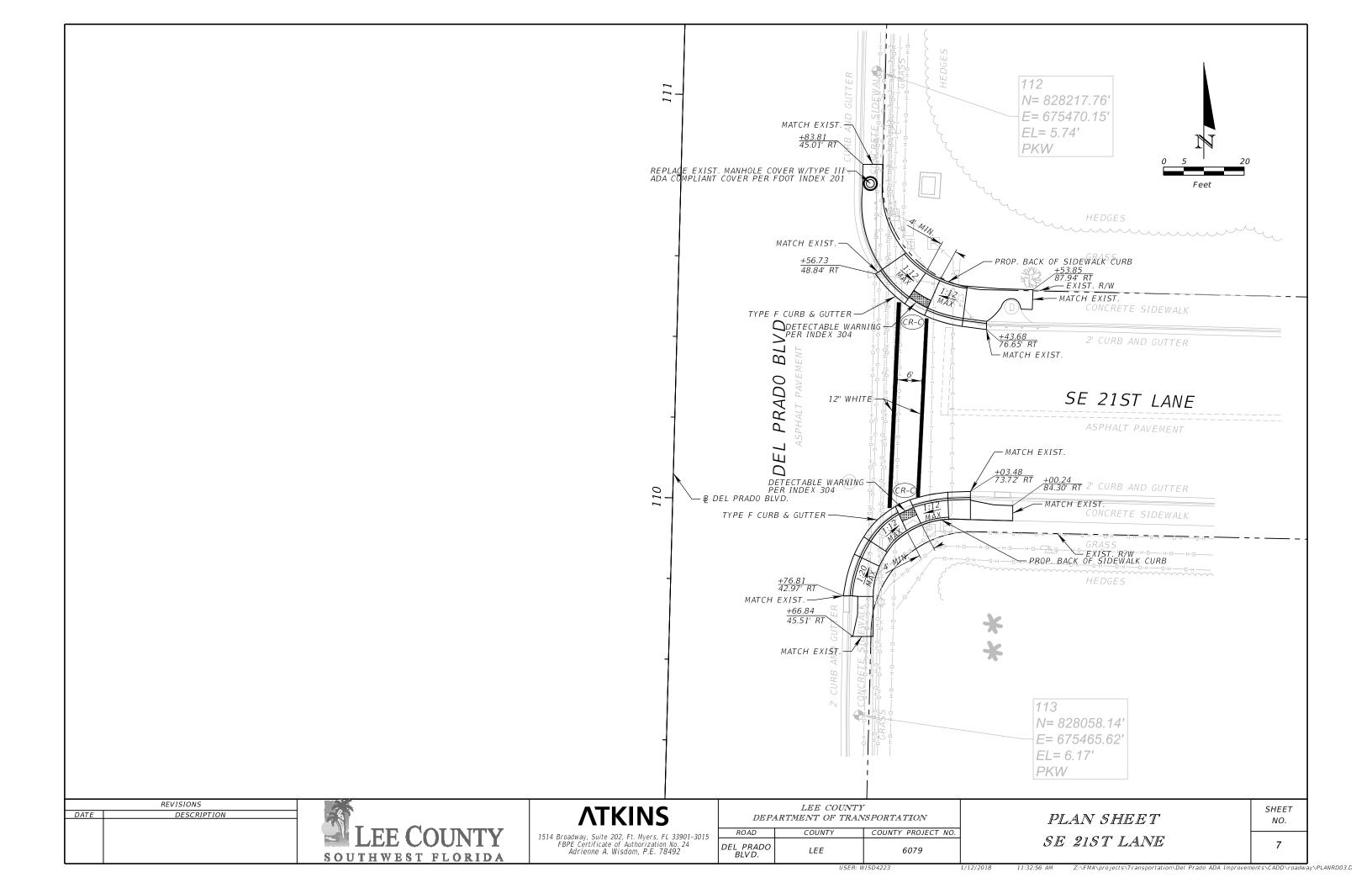
ROAD COUNTY COUNTY PROJECT NO. DEL PRADO BLVD. LEE

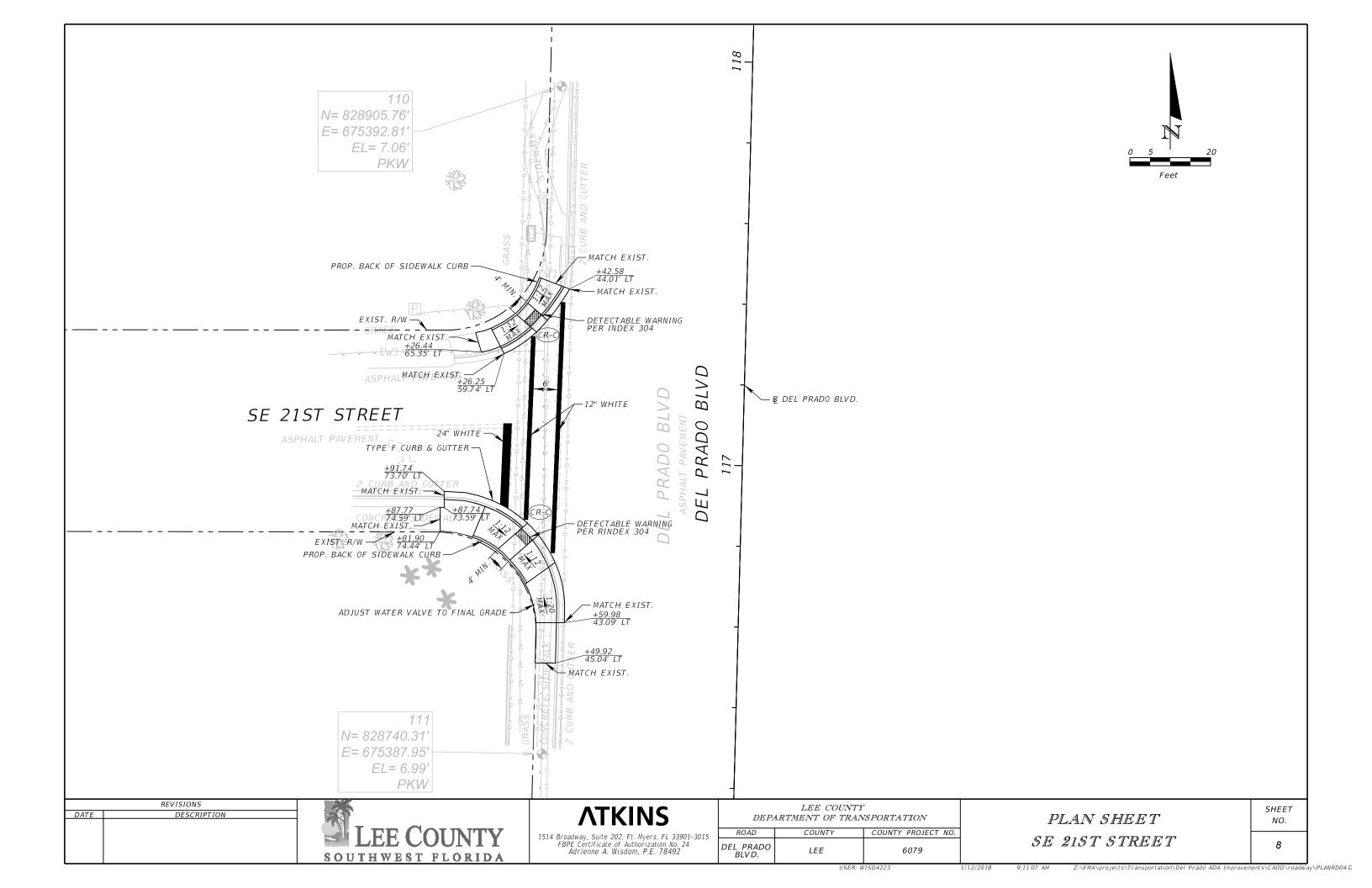
PLAN SHEET SE 23RD ST.

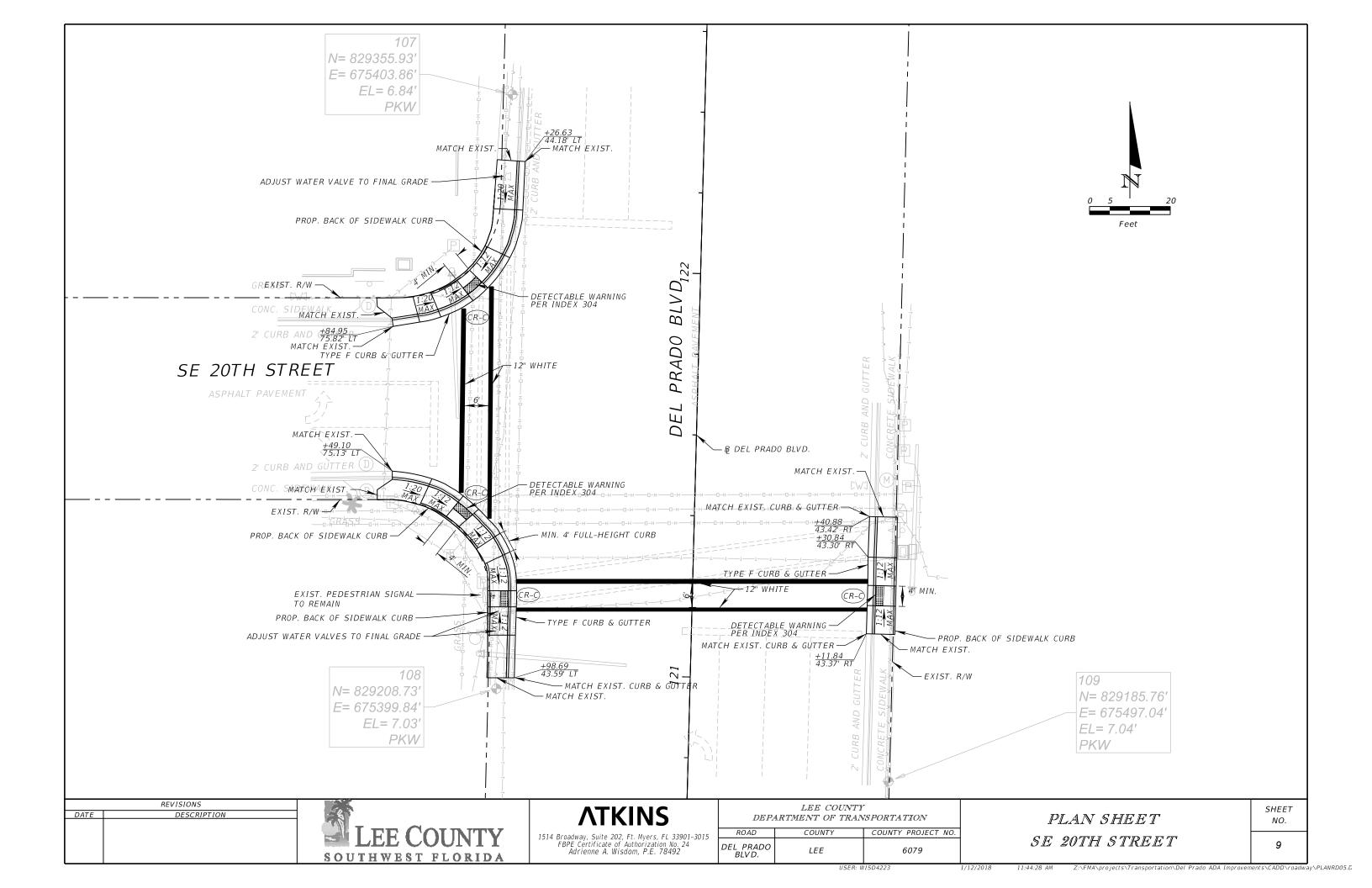
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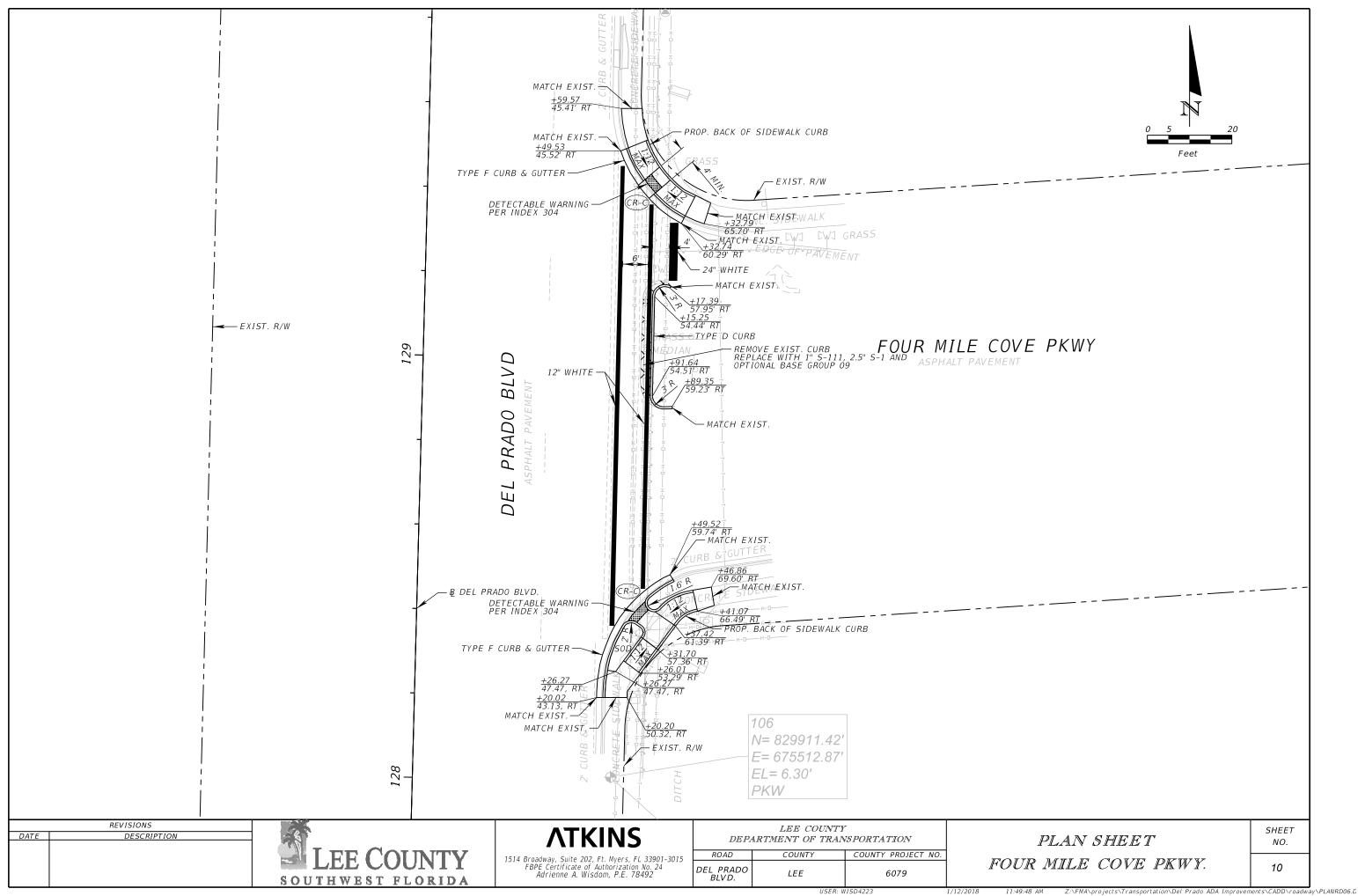
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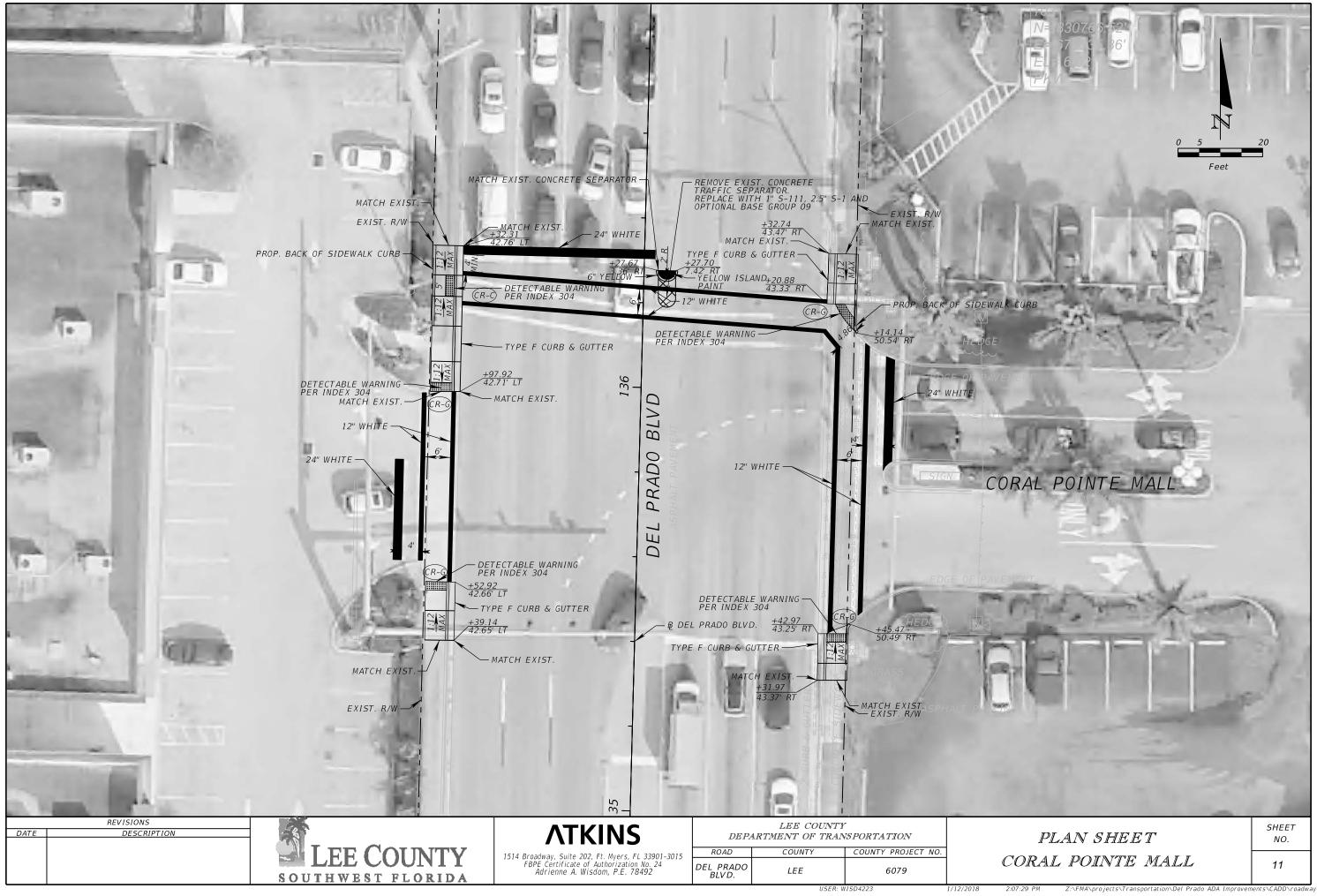


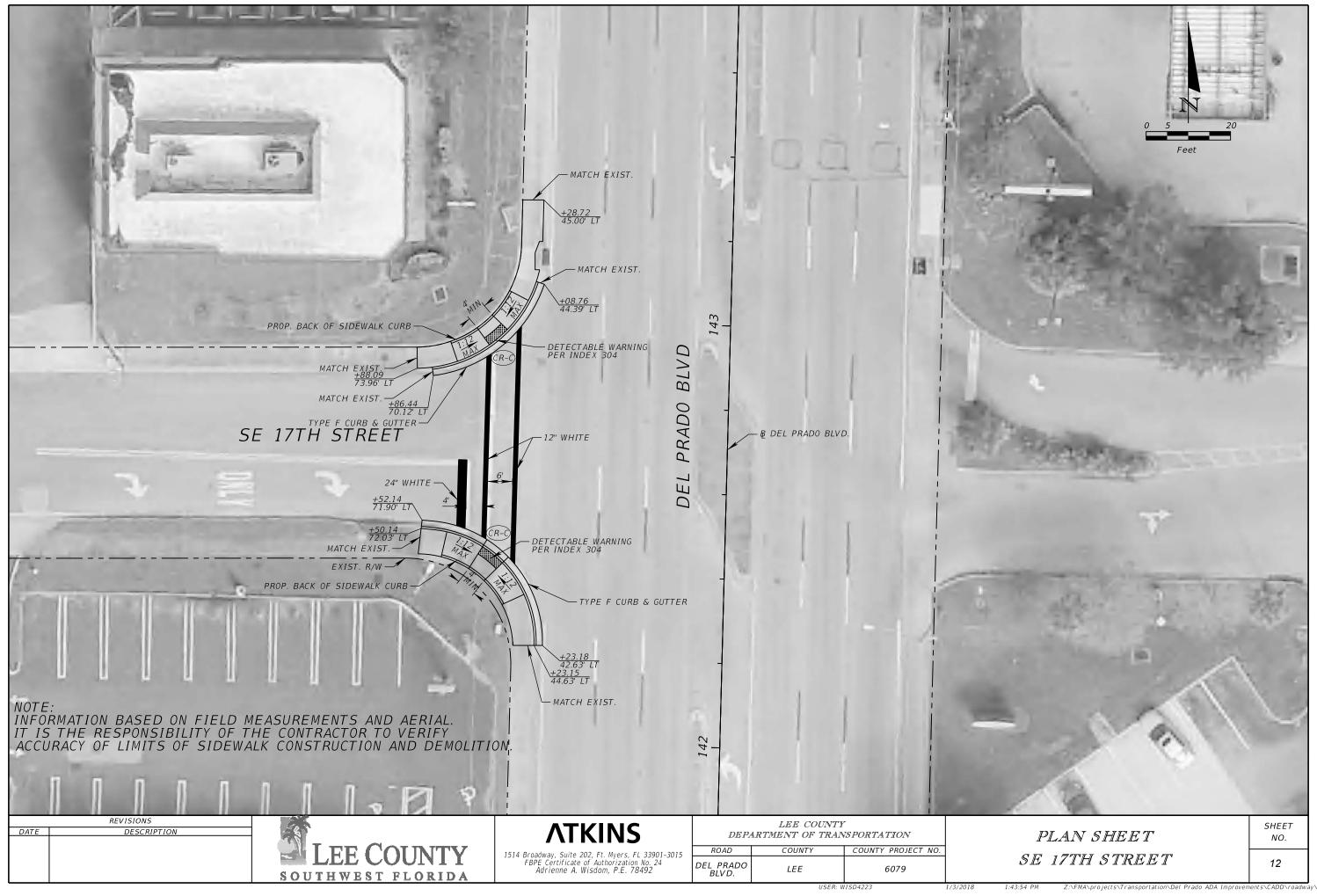


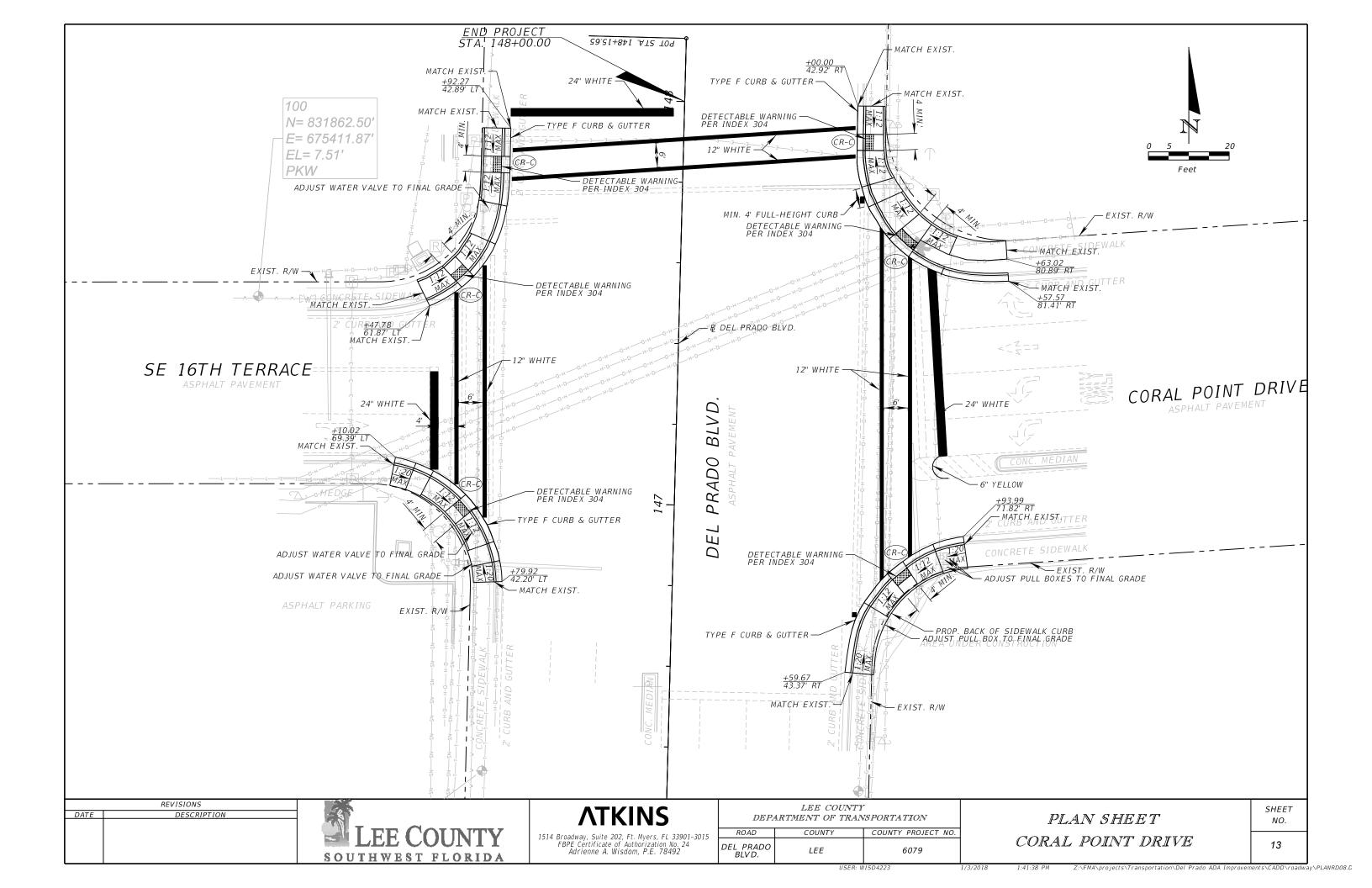












#### CONTROLLER TIMINGS CONTROLLER PHASE 1 2 3 4 5 6 7 8 9 SIGNAL PHASE NUMBER 1 2 4 5 | 6 | 7 DIRECTION |WBT|SBL|NBT|WBL|EBT| NBL SBT MINIMUM GREEN 20 8 | 7 | 20 | 7 | 8 **EXTENSION** 2 5 2 | 5 | MAXIMUM GREEN 1 20 45 30 | 20 | 45 | 15 | 30 | MAXIMUM GREEN 2 0 0 0 0 0 0 YELLOW CLEARANCE 4.7 4.7 4 | 4 | 4 . 7 | 4 | ALL RED 2 2 | 2 | 2 | 2 | 2 PEDESTRIAN WALK 7 27 26 PED. CLEARANCE 16 RECALL 45 30 45

TIMINGS ARE INITIAL AND MAY REQUIRE ADJUSTING. EXISTING TIMINGS WITH PROPOSED PEDESTRIAN WALK AND PED CLEARANCE FOR MOVEMENT P2 AND P4.

PEDESTRIAN POLE INFORMATION							
PED ID STA. OFFSET SIDE OF ROADWAY ELEVATION							
P - 1	147+92	51.8	RT	7.73			
P - 2	147+74	60.4	RT	7.76			
P - 3	146+79	59.0	RT	7.67			
P - 4	146+93	55.1	LT	8.00			
P - 5	147+62	57.5	LT	8.20			
P - 6	147+84	52.1	LT	8.08			

#### PEDESTRIAN HEAD DETAIL

P6



PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY 4 AS 653-1-11

PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY RELOCATE EXISTING

2 AS

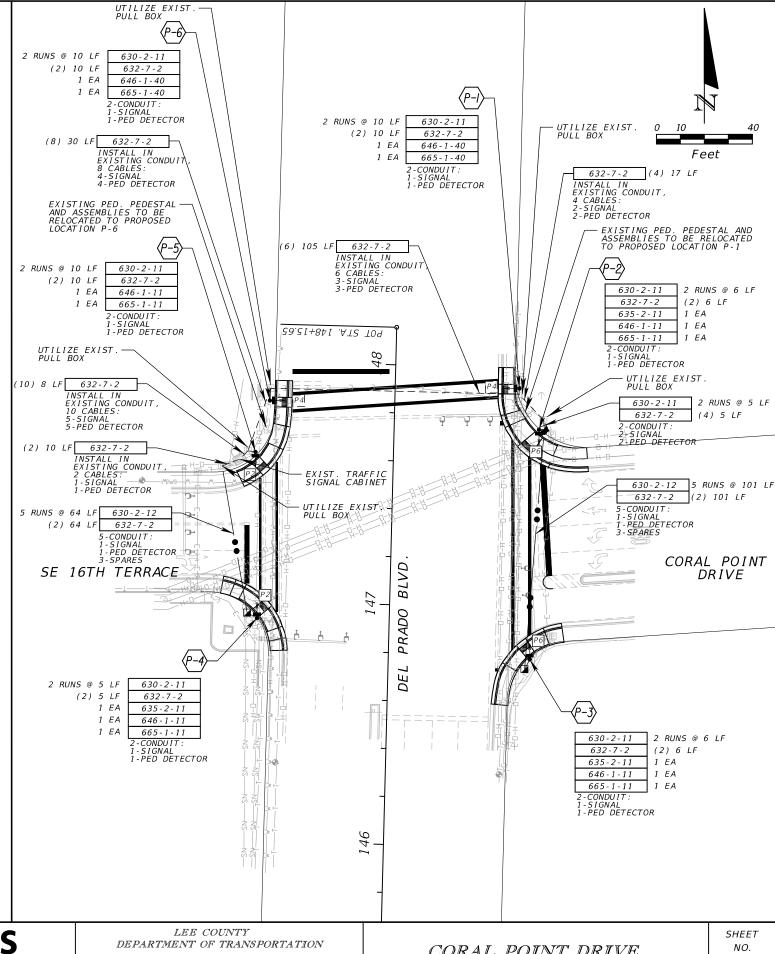
653 - 1 - 40

PEDESTRIAN DETECTOR SIGN





FTP-68B-06, 4 REQUIRED FTP-68B-06, 2 RELOCATED (INCLUDED W/ 665-1-11) (INCLUDED W/ 665-1-40)



NOTES:

1. SIGNAL CABLE TO BE INSTALLED AS A SINGLE HOME RUN FROM THE DEVICE LOCATION INTO THE APPROPRIATED TERMINATION WITHIN THE EXISTING TRAFFIC SIGNAL CABINET.

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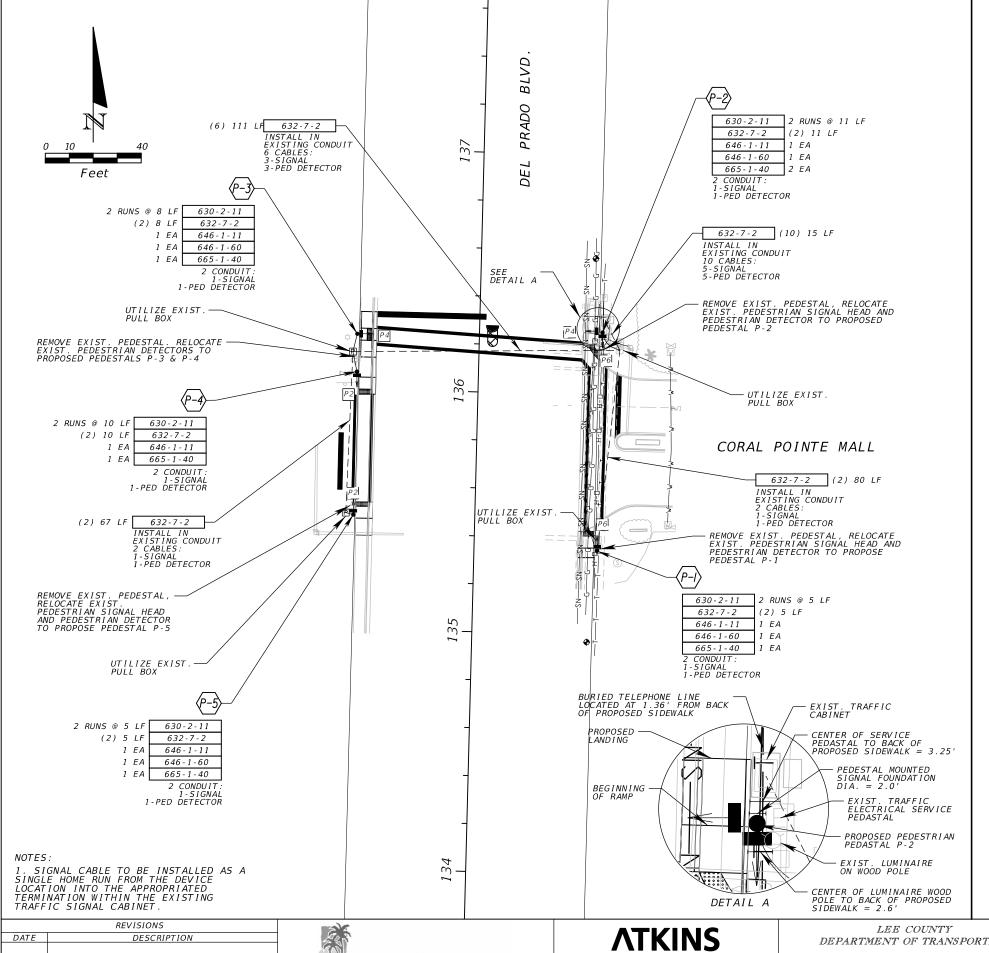
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DEPARTMENT OF TRANSPORTATION							
ROAD COUNTY COUNTY PROJECT							
DEL PRADO BLVD.	LEE	6079					

CORAL POINT DRIVE SIGNALIZATION PLAN (1)

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	CONTROLLER TIMINGS									
СО	CONTROLLER PHASE 1 2 3 4 5 6 7 8 9							9		
SI	GNAL PHASE NUMBER	1	2	3	4	5	6	7	8	9
DI.	RECTION	NBL	SBT	EBT	WBT	SBL	NBT			
	MINIMUM GREEN	7	20	7	7	7	20			
2	EXTENSION	2	5	2	2	2	5			
FUNCTION	MAXIMUM GREEN 1	10	45	10	25	20	45			
INC	MAXIMUM GREEN 2	0	0	0	0	0	0			
	YELLOW CLEARANCE	4	4.7	4	4	4	4.7			
IMING	ALL RED	2	2	3	3	2	2			
TIM,	PEDESTRIAN WALK	0	7	0	7	0	7			
7	PED. CLEARANCE	0	14	0	27	0	20			
	RECALL	0	0	0	0	0	0			

TIMINGS ARE INITIAL AND MAY REQUIRE ADJUSTING.

PEDESTRIAN POLE INFORMATION								
PED ID	STA.	OFFSET	SIDE OF ROADWAY	ELEVATION				
P - 1	135+33	51.4	RT	6.93'				
P - 2	136+26	51.3	RT	7 . 18 '				
P - 3	136+23	50.9	LT	7.10'				
P - 4	136+10	50.7	LT	6.81'				
P - 5	136+07	50.6	LT	6.82'				

#### <u>PEDESTRIAN</u> HEAD DETAIL



P2 P6



PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY 2 AS

653 - 1 - 11

PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY RELOCATE EXISTING 2 AS

653 - 1 - 40

P4 P6

PED. SIGNAL COUNT-DOWN 1-SECT., 2-WAY RELOCATE EXISTING 1 AS 653 - 1 - 40

#### <u>PEDESTRIAN</u> DETECTOR SIGN



FTP-68B-06, 6 RELOCATED (INCLUDED W/ 665-1-40)

# LEE COUNTY SOUTHWEST FLORIDA

# **ATKINS**

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# DEPARTMENT OF TRANSPORTATION

ROAD	COUNTY	COUNTY PROJECT NO.
DEL PRADO BLVD.	LEE	6079

CORAL POINTE MALL SIGNALIZATION PLAN (2)

SHEET NO.

15

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#### CONTROLLER TIMINGS CONTROLLER PHASE SIGNAL PHASE NUMBER 1 2 3 4 6 DIRECTION NBL SBT EBT WBT NBT MINIMUM GREEN 7 | 20 | 7 20 EXTENSION 2 4 2 2 4 MAXIMUM GREEN 1 20 45 30 45 MAXIMUM GREEN 2 25 50 40 40 50 YELLOW CLEARANCE 4 4.7 4 4.7 4 ALL RED 2 2 PEDESTRIAN WALK PED. CLEARANCE 17 27 RECALL 45 30

TIMINGS ARE INITIAL AND MAY REQUIRE ADJUSTING. EXISTING TIMINGS WITH PROPOSED PEDESTRIAN WALK AND PED CLEARANCE FOR MOVEMENT P2 AND P4.

PEDESTRIAN POLE INFORMATION								
PED ID	STA.	OFFSET	SIDE OF ROADWAY	ELEVATION				
P - 1	122+00	58.9	LT	7.21				
P - 2	121+34	59.5	LT	7.09				
P - 3	121+22	52.4	RT	7.38				

#### <u>PEDESTRIAN</u> HEAD DETAIL







PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY 2 AS

653-1-11



PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY RELOCATE EXISTING 1 AS 653 - 1 - 40

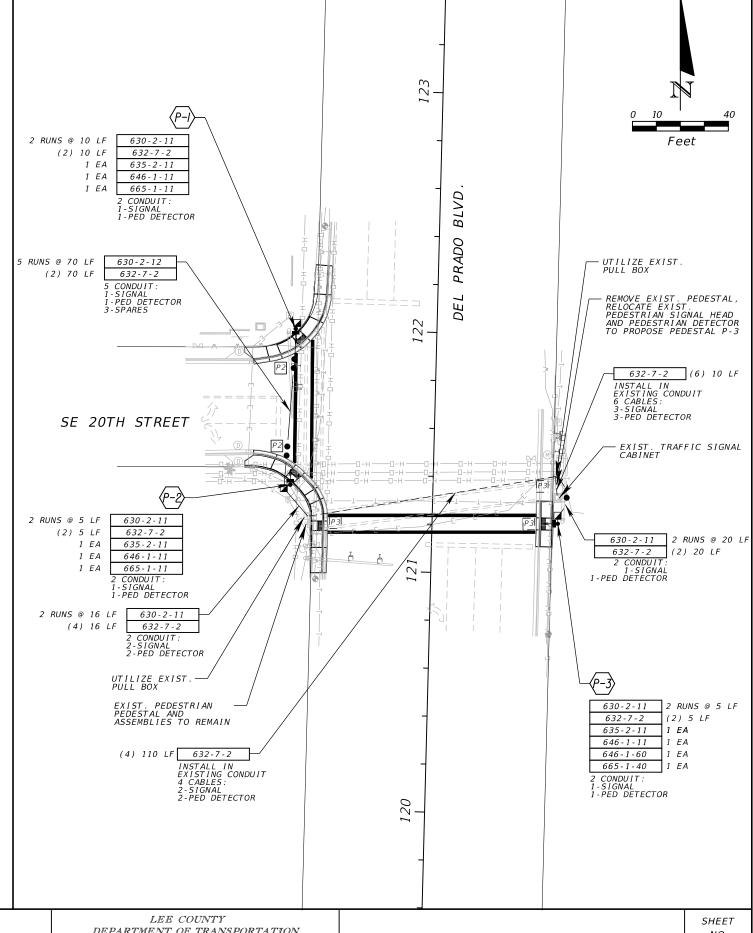
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#### PEDESTRIAN DETECTOR SIGN





FTP-68B-06, 2 REQUIRED FTP-68B-06, 1 RELOCATED (INCLUDED W/ 665-1-11) (INCLUDED W/ 665-1-40)



NOTES:

I. SIGNAL CABLE TO BE INSTALLED AS A SINGLE HOME RUN FROM THE DEVICE LOCATION INTO THE APPROPRIATED TERMINATION WITHIN THE EXISTING TRAFFIC SIGNAL CABINET.

	REVISIONS	
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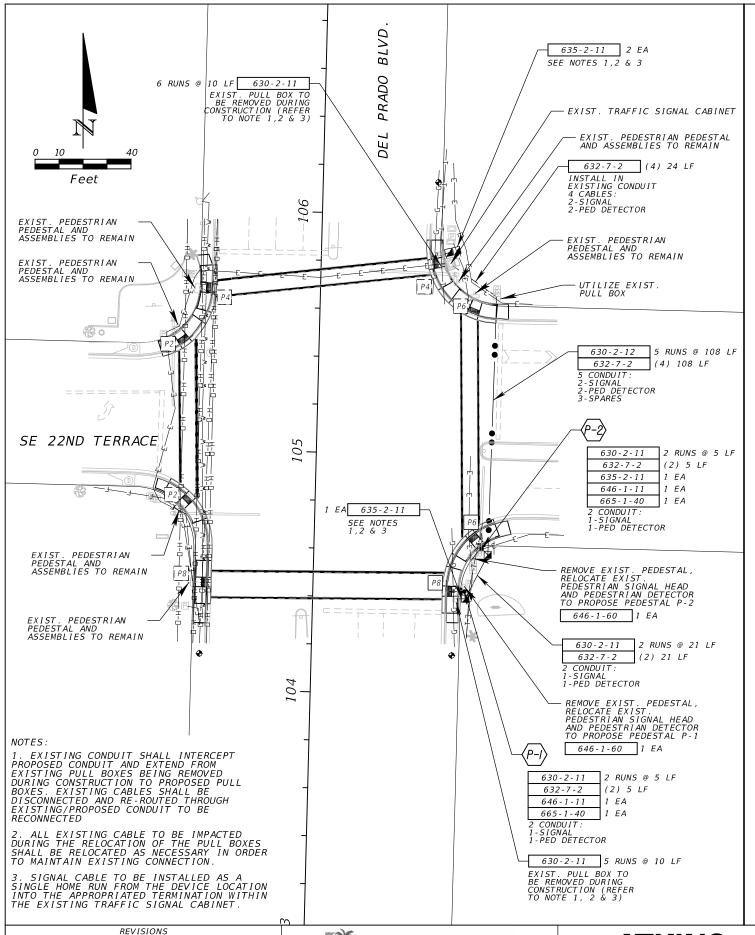
1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Christopher R. Schultz, P.E. #76854

DEPARTMENT OF TRANSPORTATION ROAD COUNTY COUNTY PROJECT NO. DEL PRADO LEE

BLV D.

SE 20TH STREET SIGNALIZATION PLAN (3)

NO. 16



LEE COUNTY

SOUTHWEST FLORIDA

DATE

DESCRIPTION

	CONTROLLER TIMINGS									
СО	CONTROLLER PHASE 1 2 3 4 5 6 7 8 9								9	
SIGNAL PHASE NUMBER		1	2	3	4	5	6	7	8	9
DIRECTION		NBL	SBT	EBL	WBT	NBL	NBT	WBL	EBT	
	MINIMUM GREEN	7	20	7	7	7	20	7	7	
2	EXTENSION	2	5	2	2	2	5	2	2	
FUNCTION	MAXIMUM GREEN 1	20	45	20	30	20	45	20	30	
/NC	MAXIMUM GREEN 2	25	50	25	40	25	50	25	40	
1 1	YELLOW CLEARANCE	4.7	4.7	4	4	4	4.7	4	4	
TIMING	ALL RED	2	2	2	2	2	2	2	2	
IM	PEDESTRIAN WALK		7		7		7		7	
-	PED. CLEARANCE		19		27		27		29	
	RECALL									

TIMINGS ARE INITIAL AND MAY REQUIRE ADJUSTING.

PEDESTRIAN POLE INFORMATION								
PED ID	STA.	OFFSET	SIDE OF ROADWAY	ELEVATION				
P - 1	104+43	63.2	RT	6.97				
P - 2	104+61	69.9	RT	6.84				

#### PEDESTRIAN HEAD DETAIL

P2 P4 P8 

PED. SIGNAL COUNT-DOWN 1-SECT., 1-WAY RELOCATE EXISTING 2 AS 653 - 1 - 40

#### PEDESTRIAN DETECTOR SIGN



FTP-68B-06, 2 RELOCATED (INCLUDED W/ 665-1-40)

1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Christopher R. Schultz, P.E. #76854

LEE COUNTY DEPARTMENT OF TRANSPORTATION ROAD COUNTY COUNTY PROJECT NO. DEL PRADO

LEE

BLV D.

SE 22ND TERRACE SIGNALIZATION PLAN (4) SHEET NO.

USER: REGA6848

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