CONTRACT PLANS COMPONENTS

ROADWAY PLANS SIGNING AND PAVEMENT MARKING PLANS SIGNALIZATION PLANS LIGHTING PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET DESCRIPTION
KEY SHEET
SIGNATURE SHEET
TYPICAL SECTION
PROJECT CONTROL
GENERAL NOTES
ROADWAY PLAN
POTENTIAL CONTAMINATION LOCATIONS
CURB RETURN PROFILES
TEMPORARY TRAFFIC CONTROL PLAN
UTILITY ADJUSTMENTS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

FINANCIAL PROJECT ID 449656-1-52-01

(FEDERAL FUNDS)

OKEECHOBEE COUNTY (91020)

STATE ROAD NO. 15

SR 15 (US 441) AT 28TH STREET SAFETY IMPROVEMENTS

PROJECT LOCATION URL: https://tinyurl.com/45zs4wme

PROJECT LIMITS:

BEGIN MP 1.369 - END MP 1.373

EXCEPTIONS:

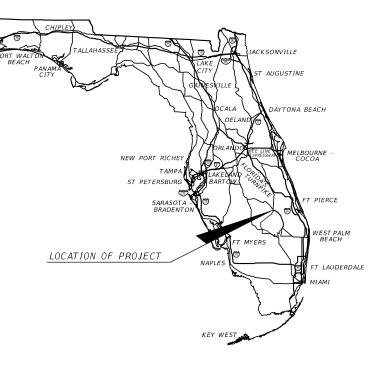
NONE

BRIDGE LIMITS:

NONE

RAILROAD CROSSING:

NONE



PHASE IIR SUBMITTAL DECEMBER 7, 2023

ROADWAY PLANS ENGINEER OF RECORD:

SARAH KATHLEEN WRIGHT, P.E.
P.E. LICENSE NUMBER 84252
BAYER UNITED ENGINEERING CONSULTANTS, LLC
320 W. KENNEDY BLVD., SUITE 650
TAMPA, FLORIDA 33606
(813) 460-2199
CONTRACT NO.: CAI48
VENDOR NO.: 83-3015288

FDOT PROJECT MANAGER:

JEFFREY MEDNICK

CONSTRUCTION	FISCAL	SHEET
CONTRACT NO.	YEAR	NO.
	25	1

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2024-25 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

BAYER UNITED ENGINEERING CONSULTANTS, LLC 320 W KENNEDY BLVD., SUITE 650 TAMPA, FL 33606 SARAH KATHLEEN WRIGHT, P.E. NO. 84252

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET NO. SHEET DESCRIPTION

1	KEY SHEET
2	SIGNATURE SHEET
3 - 5	TYPICAL SECTION
6	PROJECT CONTROL
7	GENERAL NOTES
8	ROADWAY PLAN
9	POTENTIAL CONTAMINATION LOCATIONS
10	CURB RETURN PROFILES
11 - 14	TEMPORARY TRAFFIC CONTROL PLAN

15 UTILITY ADJUSTMENTS

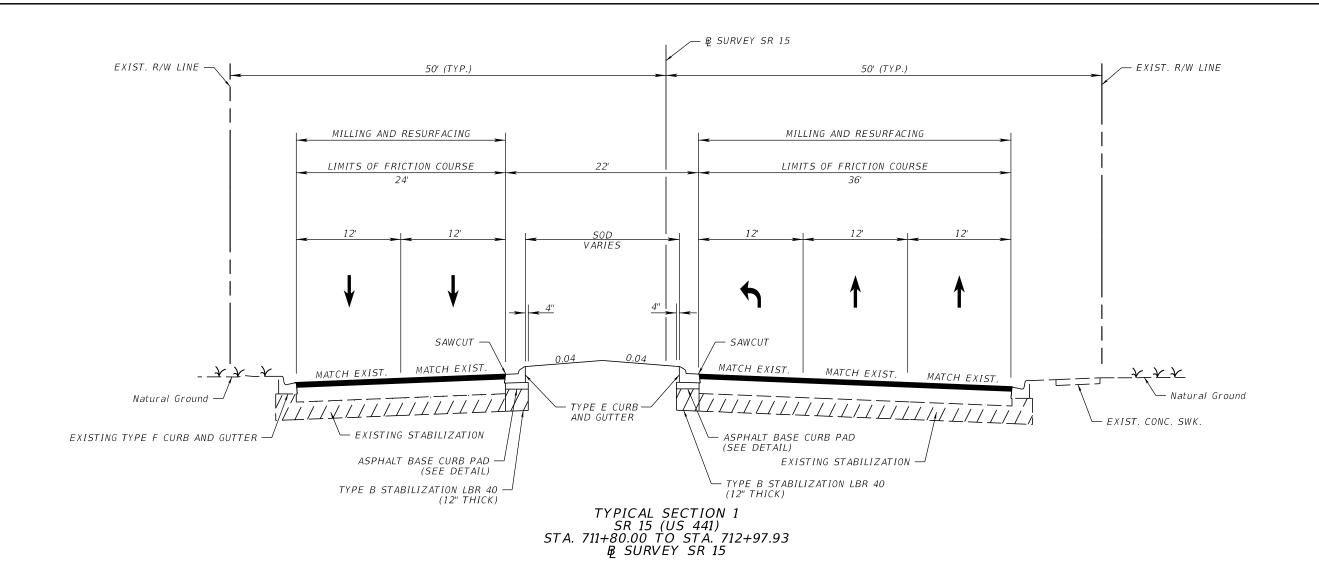
	REVIS	IONS		ENGINEER OF RECORD		STATE OF FL	LORIDA
DATE	DESCRIPTION	DATE	DESCRIPTION	SARAH KATHLEEN WRIGHT, P.E. P.E. LICENSE NUMBER 84252	DE PA	ARTMENT OF TRAN	
				BAYER UNITED ENGINEERING	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
				CONSULTANTS, LLC 320 W. KENNEDY BLVD., SUITE 650 TAMPA, FLORIDA 33606	SR 15	ОКЕЕСНОВЕЕ	449656-1-52-01

SIGNATURE SHEET

SHEET NO.

2

2007) AMA 2007 C CC0C/2



MILLING AND RESURFACING

N.T.S.

MILL EXIST. ASPHALT PAVEMENT FOR DEPTH (2")
RESURFACE WITH FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

WIDENING

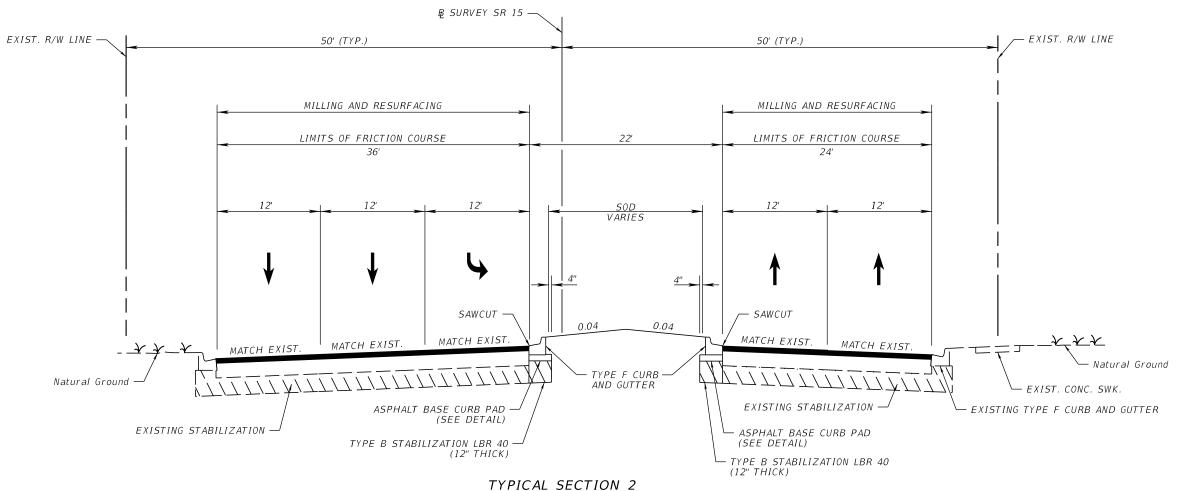
OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) WITH TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 ½") AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 29200 ESTIMATED OPENING YEAR = 2025 AADT = 29700 ESTIMATED DESIGN YEAR = 2045 AADT = 34800 K = 9.0% D = 58.1% T = 9.0% (24 HOUR) DESIGN HOUR T = 4.5% DESIGN SPEED = 55 MPH CONTEXT CLASSIFICATION = C3C

NOTE: DUE TO VARIABLE ASPHALT THICKNESS, ISOLATED AREAS OF THE BASE MAY BE EXPOSED DURING MILLING.

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rig		REVI	ENGINEER OF RECORD		STATE OF F	LORIDA		SHEET		
ΝΥE	DATE	DESCRIPTION	DATE	DESCRIPTION	SARAH KATHLEEN WRIGHT, P.E.	DEPARTMENT OF TRANSPORTATION				
ar					LICENSE NUMBER: 84252	1013111		VD1 C1(111111C1V		NO.
5 5					BAYER UNITED ENGINEERING	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	TYPICAL SECTION	
er s					CONSULTANTS, LLC					_
\ s					320 W. KENNEDY BLVD., SUITE 650	SR 15	OKEECHOBEE	449656-1-52-01		3
ν ί:					TAMPA, FL 33606					



SR 15 (US 441)
STA. 712+97.93 TO STA. 714+20.00
BE SURVEY SR 15

N.T.S.

MILLING AND RESURFACING

MILL EXIST. ASPHALT PAVEMENT FOR DEPTH (2")
RESURFACE WITH FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

WIDENING

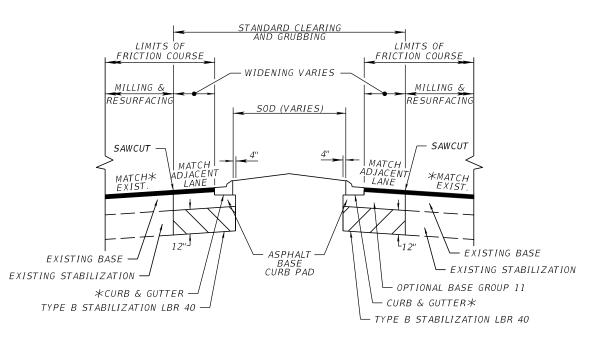
OPTIONAL BASE GROUP 9 (TYPE B-12.5 ONLY) WITH TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2 ½") AND FRICTION COURSE FC-12.5 (TRAFFIC C) (2") (PG 76-22)

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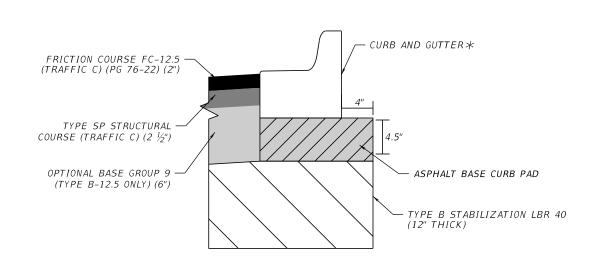
NOTE: DUE TO VARIABLE ASPHALT THICKNESS, ISOLATED AREAS OF THE BASE MAY BE EXPOSED DURING MILLING.

ξL										
rig	REVISIONS				ENGINEER OF RECORD		STATE OF F	LORIDA		SHEET
ΝΥE	DATE	DESCRIPTION	DATE	DESCRIPTION	SARAH KATHLEEN WRIGHT, P.E.	DEPARTMENT OF TRANSPORTATION		-		
ar					LICENSE NUMBER: 84252	1013111		VO1 C1(11111101V		NO.
5 5					BAYER UNITED ENGINEERING	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	TYPICAL SECTION	
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(s)					320 W. KENNEDY BLVD., SUITE 650	SR 15	OKEECHOBEE	449656-1-52-01		, 4
7 G					TAMPA, FL 33606					1



MEDIAN WIDENING DETAIL

N.T.S. SEE ROADWAY PLANS FOR STATION LIMITS



ASPHALT BASE CURB PAD DETAIL

PROPOSED EDGE OF PAVEMENT

2' SAWCUT

PROPOSED CURB AND GUTTER

SAWCUT

EXISTING EDGE OF PAVEMENT

WIDENING

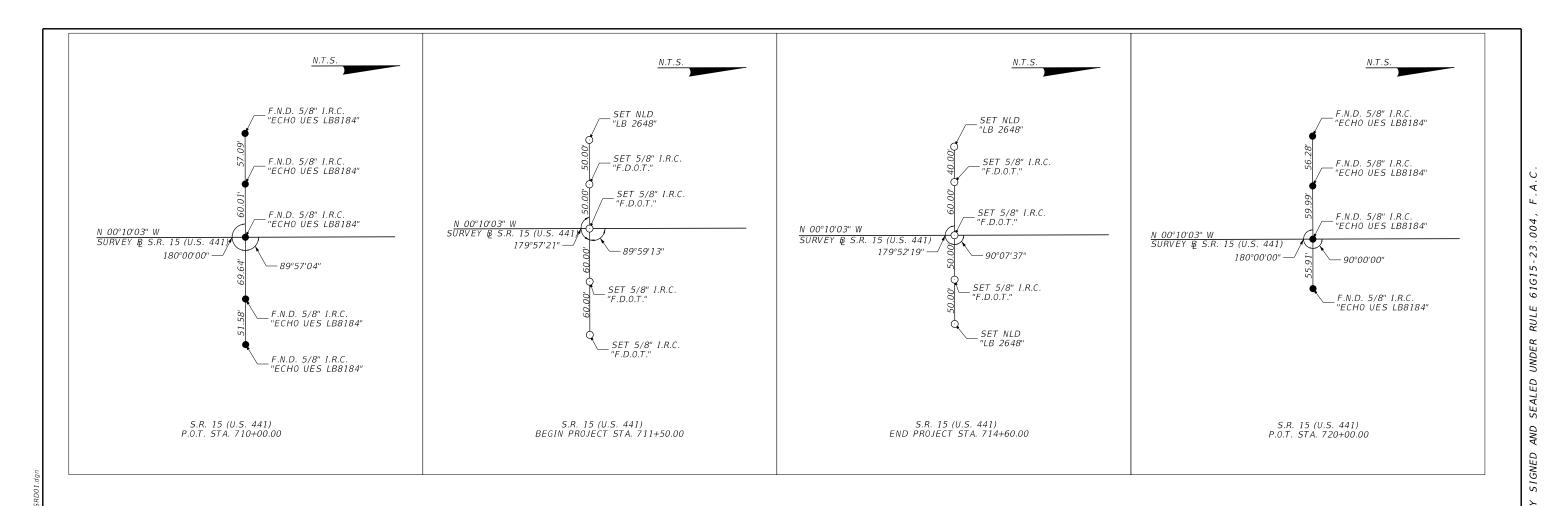
SACRIFICIAL OBG 9 (TYPE B-12.5 ONLY) TO BE PLACED IN WIDENING OPERATION AND REMOVED PRIOR TO CONSTRUCTION OF CURB AND GUTTER.

WIDENING LESS THAN 2' DETAIL

N.T.S.

★SEE ROADWAY PLAN SHEET FOR LOCATIONS OF TYPE E CURB AND GUTTER AND TYPE F CURB AND GUTTER

μ										
/rig		REVI	SIONS		ENGINEER OF RECORD		STATE OF F	LORIDA		SHEET
rahV	DATE	DESCRIPTION	DATE	DESCRIPTION	SARAH KATHLEEN WRIGHT, P.E.	DEP.	ARTMENT OF TRAI	NSPORTATION		NO.
\Sa					LICENSE NUMBER: 84252 BAYER UNITED ENGINEERING	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	TYPICAL SECTION	
C:\Users					CONSULTANTS, LLC 320 W. KENNEDY BLVD., SUITE 650 TAMPA, FL 33606	SR 15	ОКЕЕСНОВЕЕ	449656-1-52-01		5



LEGEND

= FOUND MONUMENTATION = SET MONUMENTATION = BASELINE OF SURVEY = BEGINNING OF SURVEY B.0.5. E.0.S. = END OF SURVEY = FLORIDA DEPARTMENT OF TRANSPORTATION F.D.0.T. = FOUNDFND.= IRON ROD AND CAP I.R.C. = LICENSED BUSINESS LB NLD = NAIL AND DISK N.T.S. = NOT TO SCALE P.O.T. = POINT ON TANGENT STA. = STATION

S.R. = STATE ROAD

	REVIS	SIONS		ENGINEER OF RECORD		STATE OF FL	LORIDA	
DATE	DESCRIPTION	DATE	DESCRIPTION	SARAH KATHLEEN WRIGHT, P.E. LICENSE NUMBER 84252	DEP	ARTMENT OF TRAI		
				BAYER UNITED ENGINEERING	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				CONSULTANTS, LLC 320 W. KENNEDY BLVD., SUITE 650 TAMPA, FL 33606	SR 15	ОКЕЕСНОВЕЕ	449656-1-52-01	

PROJECT CONTROL

SHEET NO.

GENERAL NOTES

- 1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
- 2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF

THOMAS J. YOCOM, P.S.M. P.S.M. NO: 5653 DRMP, INC. 941 LAKE BALDWIN LANE ORLANDO, FL 32814

3. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

UTILITY/AGENCY OWNERS FOR THIS PROJECT INCLUDE:

<u>CONTACT</u> KEN LUTZ TELEPHONE NUMBERS CENTURY LINK COMMUNICATIONS 863-452-3185 863-214-1490 (CELL) KEVIN MURPHY COMCAST 941-356-1489 CROWN CASTLE FIBER LLC DANNY HASKETT 786-610-7073 786-246-7827 (CELL) FLORIDA POWER & LIGHT (FPL) DISTRIBUTION FLORIDA PUBLIC UTILITIES COMPANY ROB MORRIS 772-223-4215 561-723-3459 IVAN GIBBS OKEECHOBEE UTILITY AUTHORITY JOHN HAYFORD 863-763-9460 EXT. 218

4. ALL EXISTING DRAINAGE STRUCTURES ARE TO REMAIN UNLESS OTHERWISE NOTED.

NOTES TO REVIEWERS

1. THIS PROJECT IS AN INTERSECTION SAFETY IMPROVEMENTS PROJECT. THE INTENT OF THIS PROJECT IS TO IMPROVE THE PEDESTRIAN AND SIGNAL FEATURES AT THE INTERSECTION OF US 441 AND 28TH STREET. FUNCTIONAL MILLING AND RESURFACING IS BEING PROVIDED. THE LIMITS OF THE MILLING AND RESURFACING WERE CHOSEN BASED ON THE LOCATION OF THE EXISTING VEHICLE DETECTION LOOPS. THE BEGIN AND END PROJECT LIMITS WERE CHOSEN BASED ON THE LOCATION OF THE INTERSECTION, AND MATCH THE BEGIN AND END MILEPOSTS SHOWN IN PSEE.

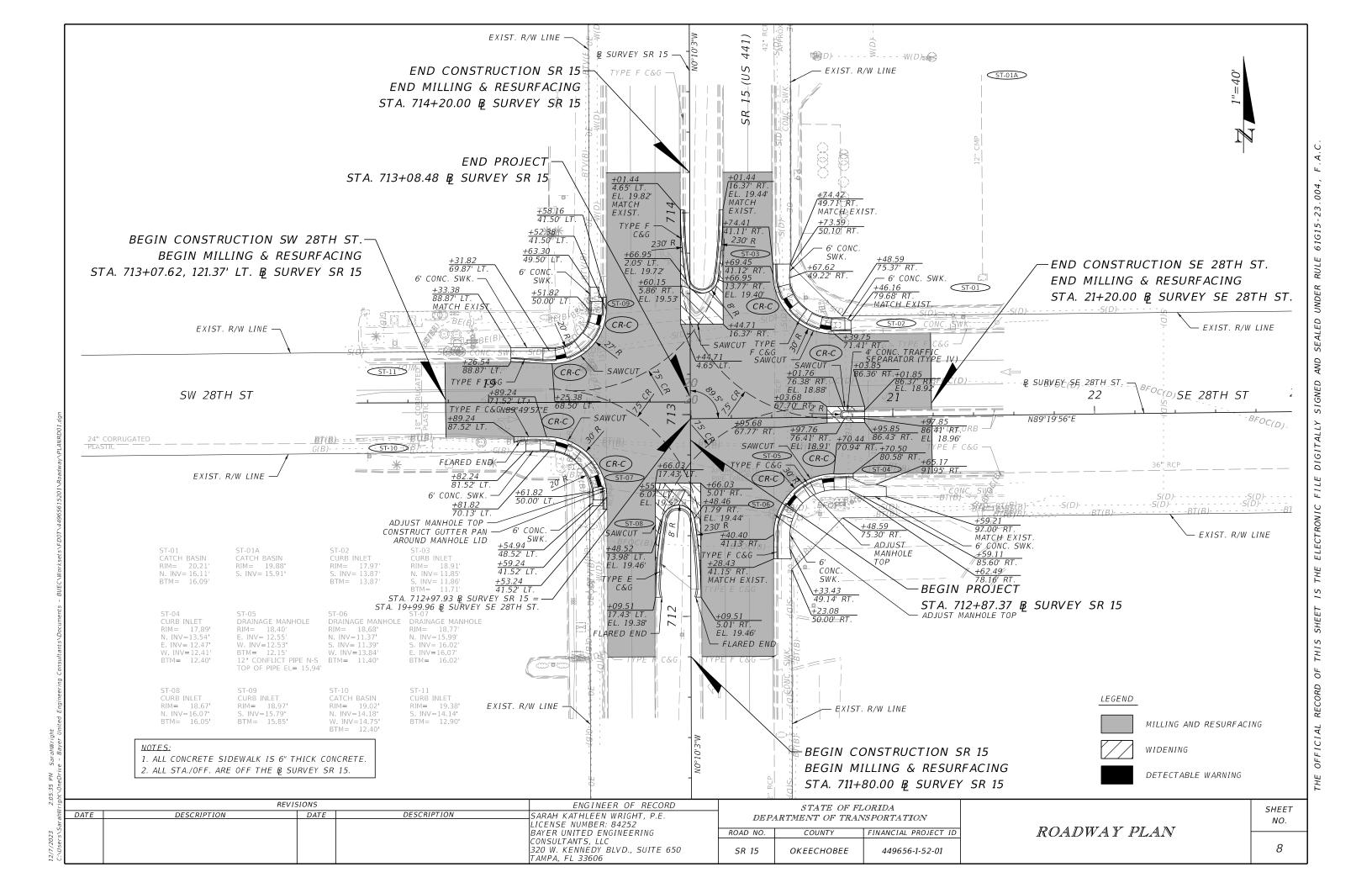
2. A MAINTAIN R/W AGREEMENT IS CURRENTLY BEING COORDINATED WITH THE DEPARTMENT. THE MAINTAIN R/W AGREEMENT HAS BEEN APPROVED AND DI SURVEY ANY MAPPING ARE PREPARING THE R/W LINES. THE PLANS WILL BE UPDATED ONCE COORDINATION IS COMPLETE.

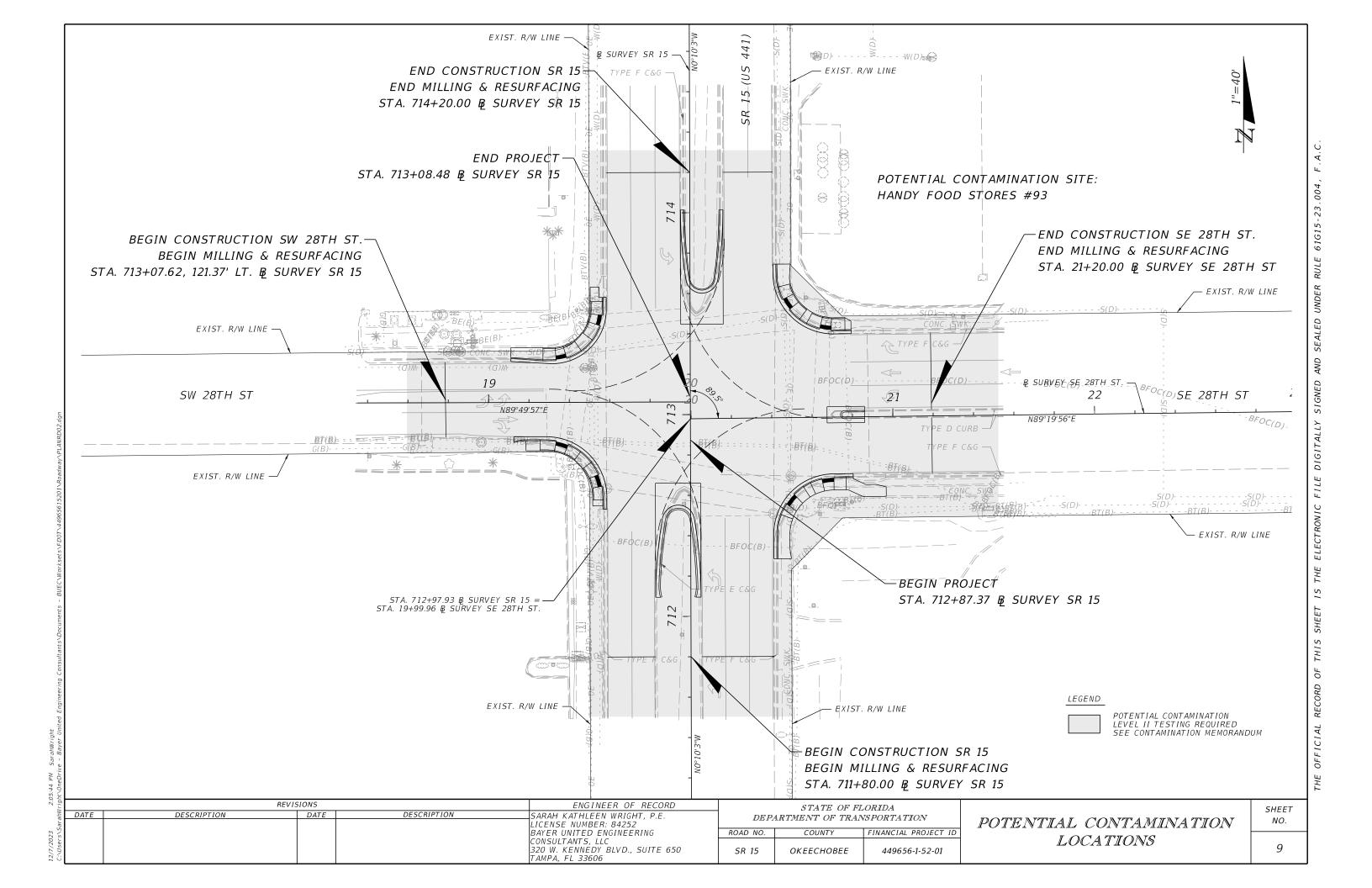
REVISIONS ENGINEER OF RECORD STATE OF FLORIDA DESCRIPTION DESCRIPTION DATE DATE SARAH KATHLEEN WRIGHT, P.E. DEPARTMENT OF TRANSPORTATION LICENSE NUMBER: 84252 BAYER UNITED ENGINEERING ROAD NO. COUNTY FINANCIAL PROJECT ID CONSULTANTS, LLC 320 W. KENNEDY BLVD., SUITE 650 SR 15 OKEECHOBEE 449656-1-52-01 TAMPA, FL 33606

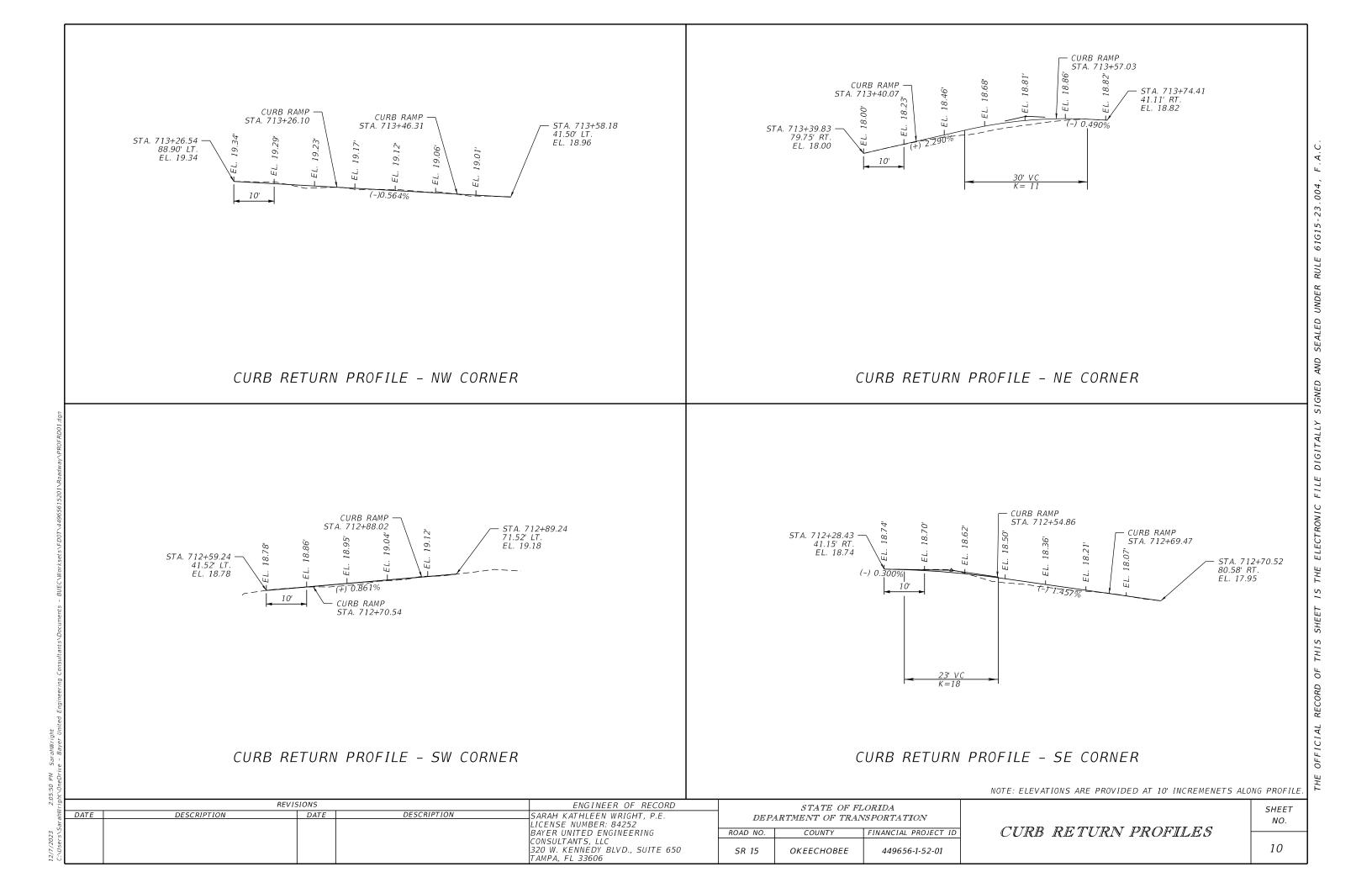
GENERAL NOTES

SHEET NO.

OFFICIAL







THE POSTED SPEED LIMIT ON SR 15 (US 441) IS 40 MPH. THE POSTED SPEED LIMIT ON 28TH ST IS 40 MPH.

- 2. THERE ARE NO LANE CLOSURE RESTRICTIONS (INCLUDING AUXILIARY LANE CLOSURES) OTHER THAN LANE CLOSURES ARE ONLY PERMITTED WHEN WORK ZONES ARE ACTIVE.
- 3. MAINTAIN AND KEEP STREET NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION OPERATIONS, TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
- 4. MAINTAIN VEHICULAR ACCESS TO ALL DRIVEWAYS AND SIDE STREETS AT ALL TIMES DURING CONSTRUCTION. PROVIDE MATERIALS TO MAINTAIN THE DRIVEWAYS AS DIRECTED BY THE ENGINEER. NOTIFY ADJACENT PROPERTY OWNERS 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES THAT MAY RESTRICT ACCESS, DELIVERY, ETC. TO PRIVATE OR
- 5. NOTIFY ALL LOCAL LAW ENFORCEMENT, FIRE DEPARTMENTS, AND EMERGENCY/RESCUE SERVICES IN THE AREA 48 HOURS PRIOR TO IMPLEMENTING A LANE CLOSURE.

PHASING NOTES

<u>PHASE I:</u>
1. INSTALL CHANNELIZING DEVICES AND ADVANCED WARNING SIGNS UTILIZING FDOT STANDARD PLANS INDEX 102-600 AND THE ADVANCED WARNING SIGN

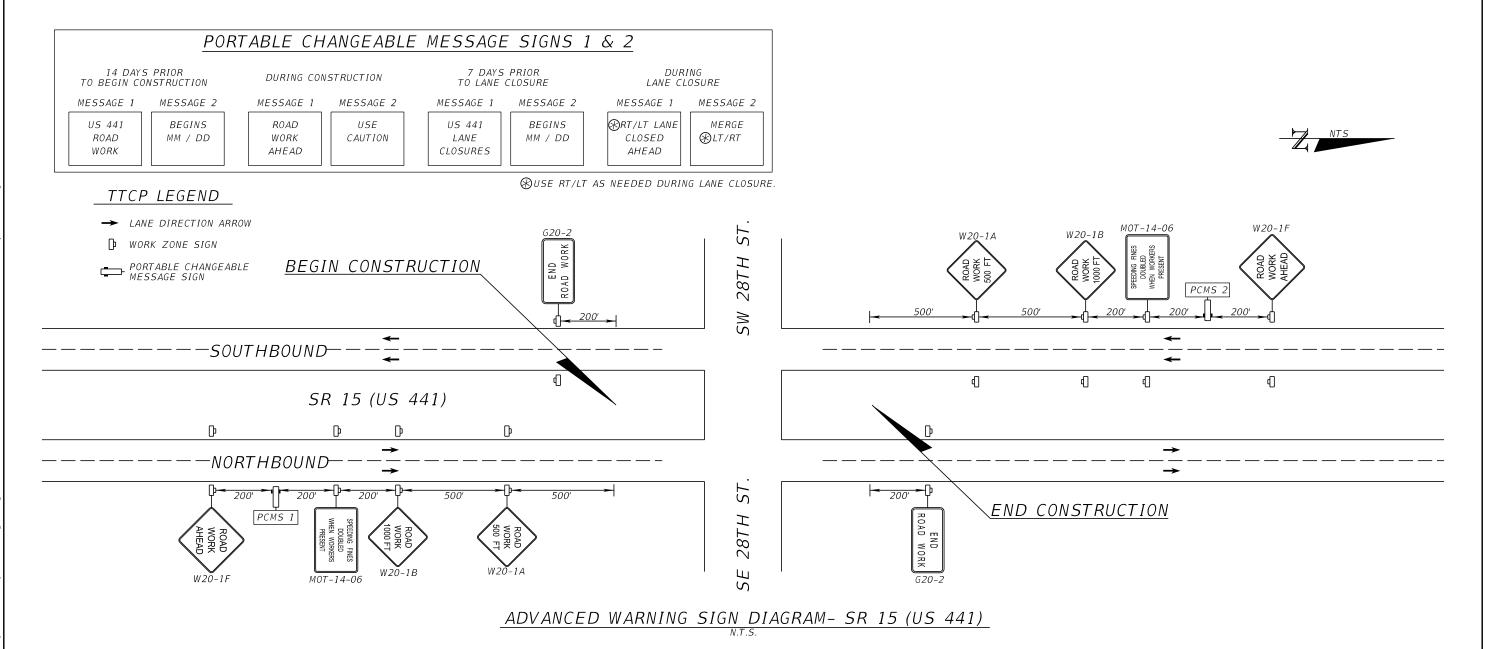
PHASE II:
2. CONSTRUCT CURBED MEDIAN NOSES AND WIDENING AS SHOWN IN THE ROADWAY PLANS AND FDOT STANDARD PLANS INDEX 102-602, 102-603, 102-604, 102-613,

PHASE III:
3. CONSTRUCT CURB RAMPS UTILIZING FDOT STANDARD PLANS INDEX 102-602, 102-603, 102-604, 102-613, AND 102-615.

PHASE IV:

4. MILL AND RESURFACE, EXCEPT FRICTION COURSE, UTILIZING FDOT STANDARD PLANS INDEX 102-603, 102-613 AND 102-615.

5. PLACE FRICTION COURSE AND FINAL PAVEMENT MARKINGS ACCORDING TO THE SIGNING AND PAVEMENT MARKING PLAN AND UTILIZING FDOT STANDARD PLANS INDEX 102-603, 102-607, 102-613, AND 102-615.



REVISIONS ENGINEER OF RECORD STATE OF FLORIDA SHEET DESCRIPTION DATE DESCRIPTION DATE SARAH KATHLEEN WRIGHT, P.E. DEPARTMENT OF TRANSPORTATION NO. TEMPORARY TRAFFIC LICENSE NUMBER: 84252 BAYER UNITED ENGINEERING ROAD NO. COUNTY FINANCIAL PROJECT ID CONTROL PLAN CONSULTANTS, LLC 320 W. KENNEDY BLVD., SUITE 650 11 OKEECHOBEE 449656-1-52-01 SR 15 TAMPA, FL 33606

SHEET

NO.

12

PORTABLE CHANGEABLE MESSAGE SIGN 3

14 DAYS PRIOR TO BEGIN CONSTRUCTION

DURING CONSTRUCTION

7 DAYS PRIOR TO LANE CLOSURE

DURING LANE CLOSURE

MESSAGE 1

28TH ST

ROAD

WORK

MESSAGE 2 BEGINS

MM / DD

ROADWORK AHEAD

MESSAGE 1

MESSAGE 2 USE

CAUTION

28TH ST LANE CLOSURES

MESSAGE 1

BEGINS MM / DD

MESSAGE 2

MESSAGE 1 LANE CLOSED

AHEAD

PREPARE ΤO ST0P

MESSAGE 2

PORTABLE CHANGEABLE MESSAGE SIGN 4

14 DAYS PRIOR TO BEGIN CONSTRUCTION

DURING CONSTRUCTION

7 DAYS PRIOR TO LANE CLOSURE

DURING LANE CLOSURE

MESSAGE 1 28TH ST ROAD

WORK

MESSAGE 2 **BEGINS** MM / DD

ROAD WORK AHEAD

MESSAGE 1

USE CAUTION

MESSAGE 2

28TH ST LANE *CLOSURES*

MESSAGE 1

BEGINS MM / DD

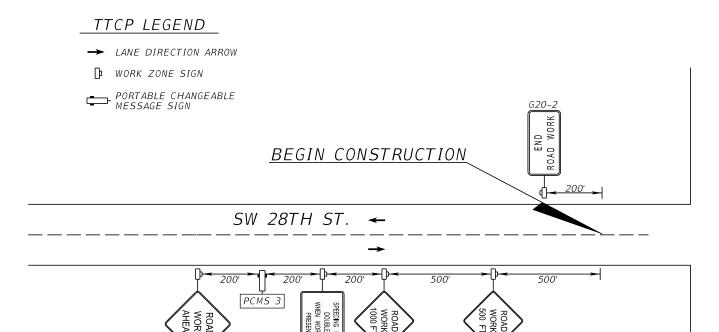
MESSAGE 2

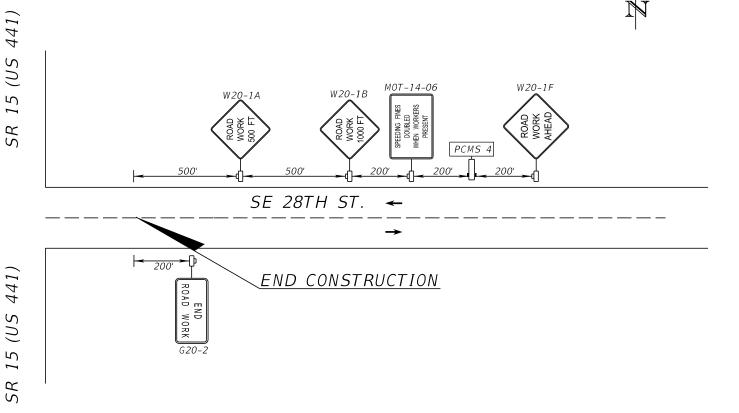
LANE CLOSED AHEAD

MESSAGE 1

USE CAUTION

MESSAGE 2

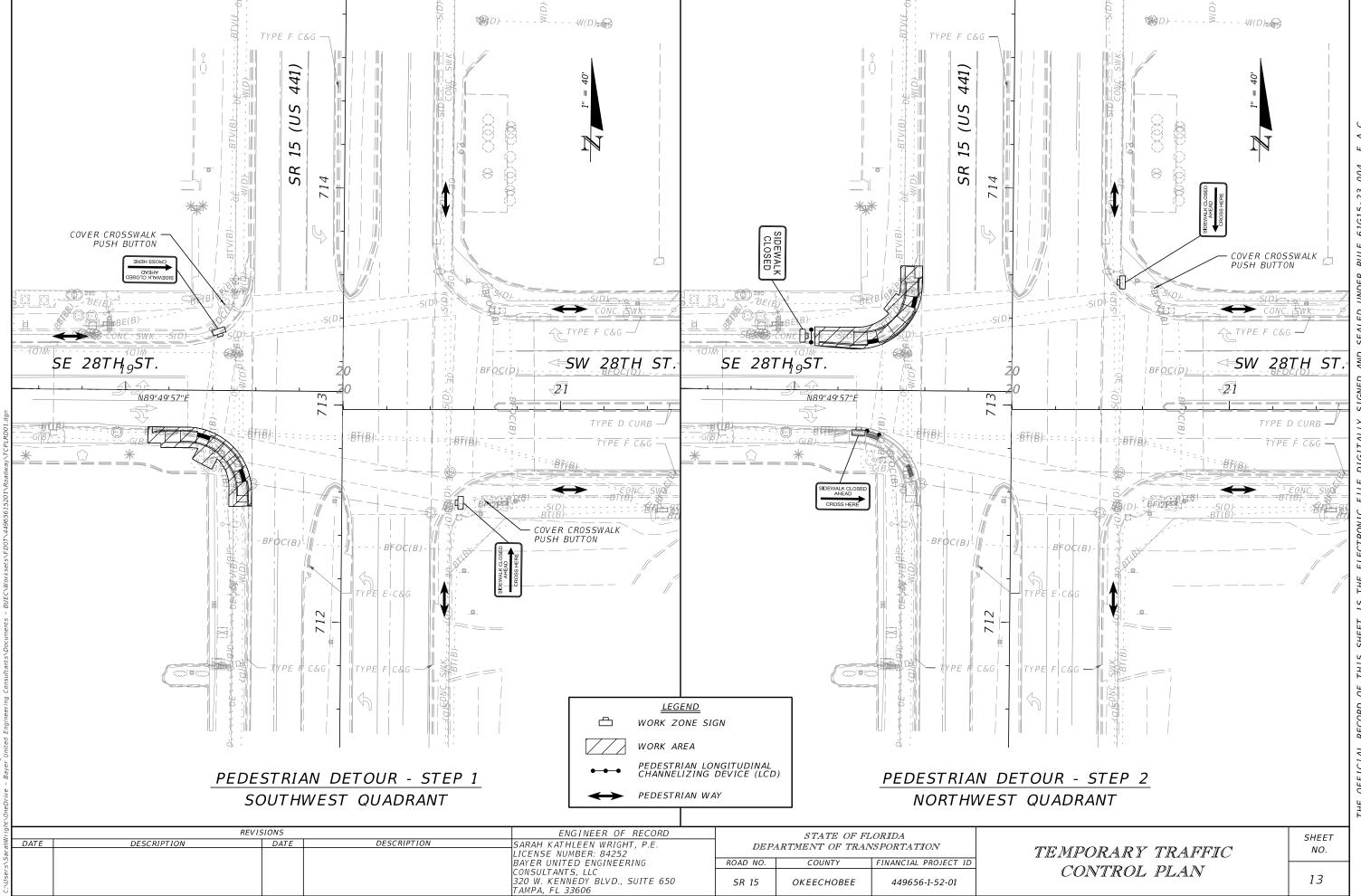




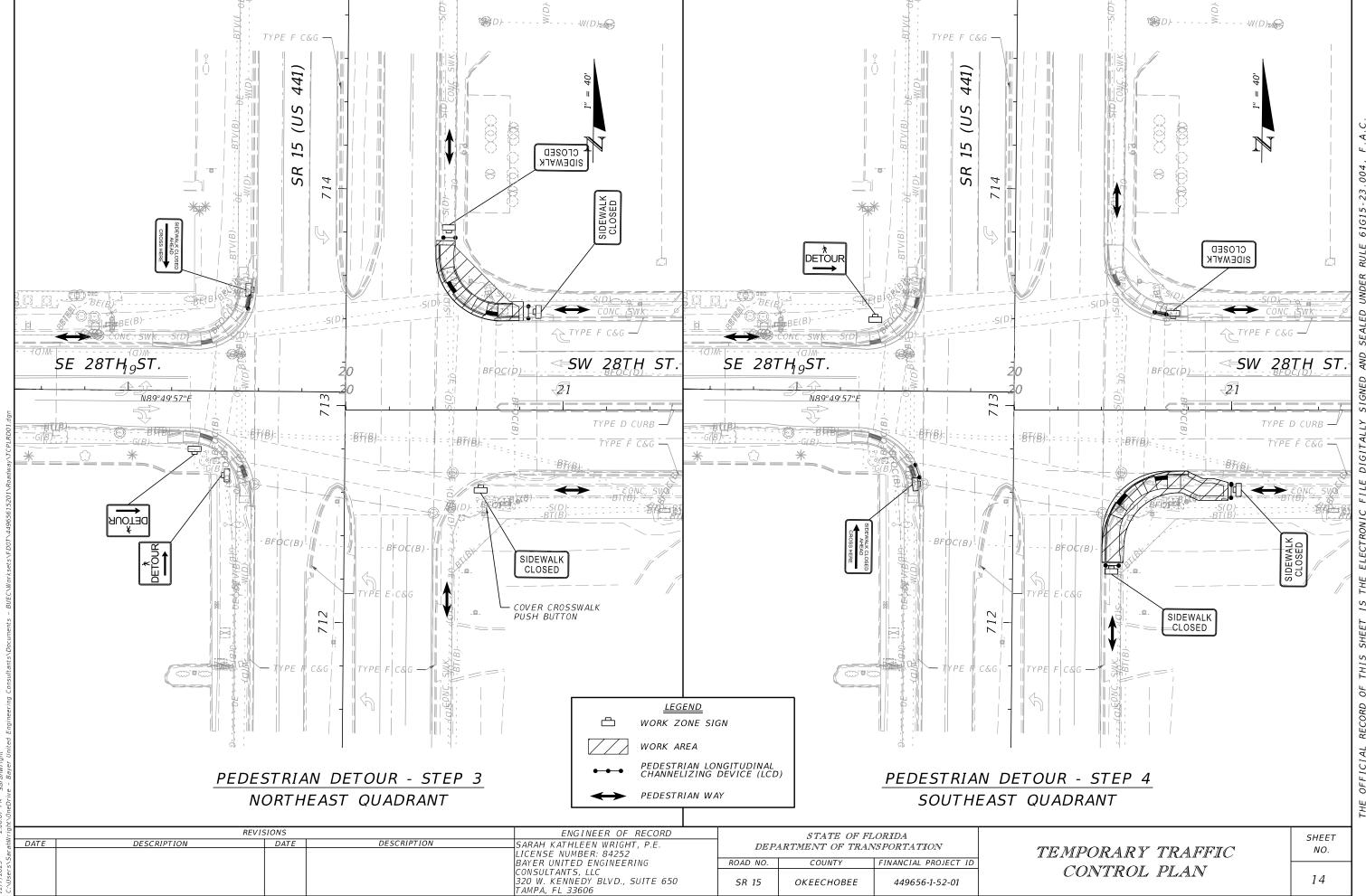
ADVANCED WARNING SIGN DIAGRAM- 28TH ST

	REVIS	SIONS		ENGINEER OF RECORD
DATE	DESCRIPTION	DATE	DESCRIPTION	SARAH KATHLEEN WRIGHT, P.E.
				LICENSE NUMBER: 84252
				BAYER UNITED ENGINEERING
				CONSULTANTS, LLC
				320 W. KENNEDY BLVD., SUITE 650
				TAMPA, FL 33606

	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION							
ROAD NO.		COUNTY	FINANCIAL PROJECT ID					
	SR 15	ОКЕЕСНОВЕЕ	449656-1-52-01					



12/7/2023 2:06:06 PM Sarah



12/7/2023 2:06:07 PM SarahWr

