

CONTRACT PLANS COMPONENTS

ROADWAY PLANS

INDEX OF ROADWAY PLANS

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3	TYPICAL SECTIONS
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12	PAVEMENT MARKINGS & SIGNS DETAILS
13	SIDEWALK TYPICAL DETAILS

THE FOLLOWING ITEMS ARE NOT REVIEWED OR ACCEPTED BY BROWARD COUNTY:

1. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION DOES NOT REVIEW AND APPROVE, OR INSPECT AND ACCEPT THE FOLLOWING ITEMS FOR MAINTENANCE: PAVEMENT MARKINGS ON OR ADJACENT TO PAVER BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVER BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.

2. THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS ON OR ADJACENT TO PAVER BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVER BRICKS, PAVEMENT MARKINGS ON OR ADJACENT TO PAINTED ASPHALT, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK AND ASPHALT WORK.

3. ALL TRAFFIC CONTROL DEVICES MAINTAINED BY BROWARD COUNTY, THAT ARE REMOVED OR DAMAGED BY CONSTRUCTION, SHALL BE REPLACED BY CONTRACTOR USING CURRENT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS.

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2020-21 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.shtml>

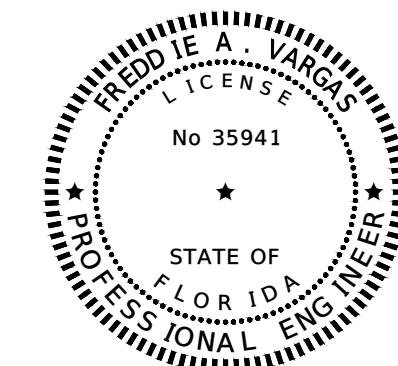
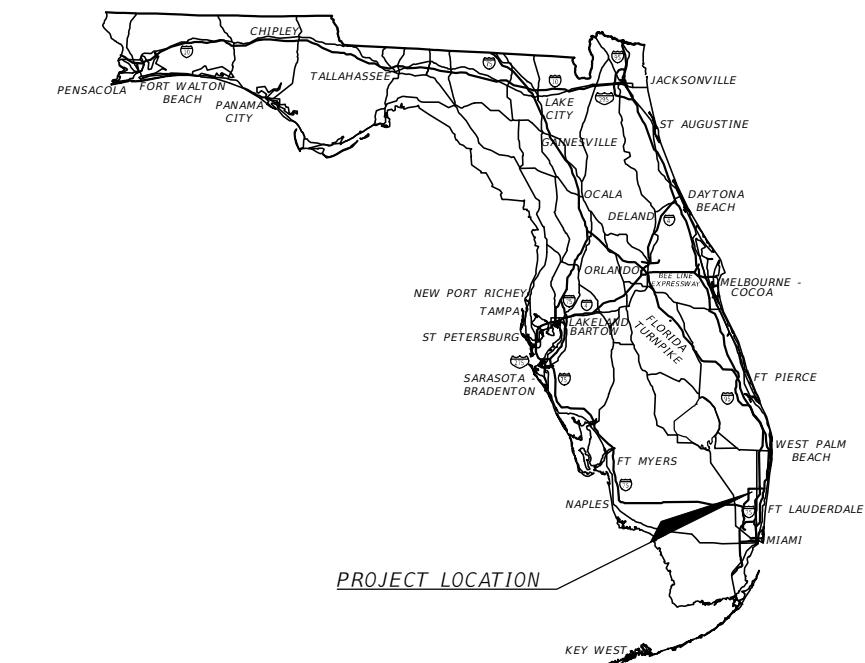
GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, JULY 2020 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

CITY OF NORTH LAUDERDALE

CONTRACT PLANS

ROCK ISLAND ROAD
DORAL TO TAM OSHANTER BLVD.
TURN LANE IMPROVEMENTS

ROADWAY PLANS



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. THE SIGNATURE MUST BE VERIFIED IN THE ELECTRONIC DOCUMENTS.

FREDDIE A. VARGAS
P.E. LICENSE NO. 35941
CARNAHAN PROCTOR & CROSS, INC.
814 S. MILITARY TRAIL
DEERFIELD BEACH, FL 33442

ROADWAY PLANS
ENGINEER OF RECORD:

FREDDIE A. VARGAS, P.E.
P.E. NO.:35941
CARNAHAN PROCTOR & CROSS, INC.
814 S. MILITARY TRAIL
DEERFIELD BEACH, FL 33442
TEL. NO.: 954-972-3959
CONTRACT NO.: 200518060
CERTIFICATE OF AUTHORIZATION NO.: 2936

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	20	1

SUMMARY OF ROADWAY QUANTITIES

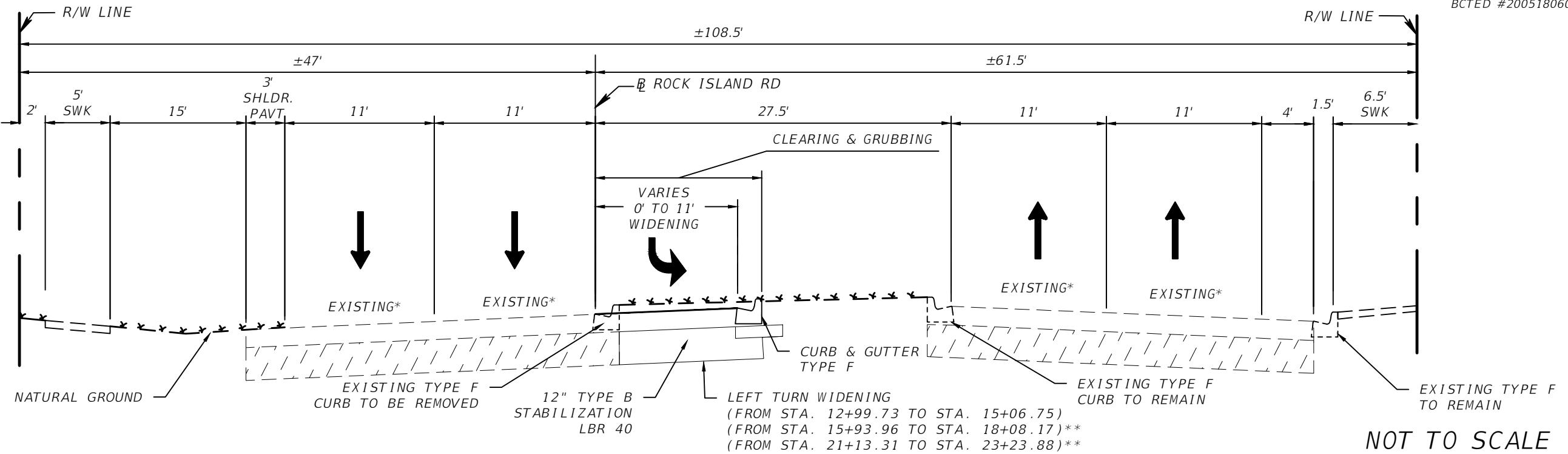
ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT
101-1	MOBILIZATION	1.00	LS
102-1	MAINTENANCE OF TRAFFIC	1.00	LS
110-1-1	CLEARING AND GRUBBING	1.00	LS
110-4-10	REMOVE OF EXISITNG CONCRETE	66.00	SY
160-4	TYPE B STABILIZATION (12")	430.00	SY
210-1-8	LIMEROCK STABILIZED BASE, 4" (FOR PAVERS)	124.00	SY
285-706	OPTIONAL BASE. BASE GROUP 06 (8")	411.00	SY
327-70-19	MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH	579.00	SY
334-1-13	SUPERPAVE ASPHALTIC CONC., TRAFFIC C, (2") (SP-9.5)	43.00	TN
337-7-82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, (1") FC-9.5, PG 76-22	53.00	TN
425-5	MANHOLE, ADJUST	2.00	EA
520-1-7	CONCRETE CURB & GUTTER, TYPE E	270.00	LF
520-1-10	CONCRETE CURB & GUTTER, TYPE F	996.00	LF
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	63.00	SY
526-1-1	BRICK PAVERS, ARCHITECTURAL, F&I ROADWAY (MEDIAN)	124.00	SY
527-2	DETECTABLE WARNINGS	66.50	SF

SUMMARY OF SIGNAGE & MARKING QUANTITIES

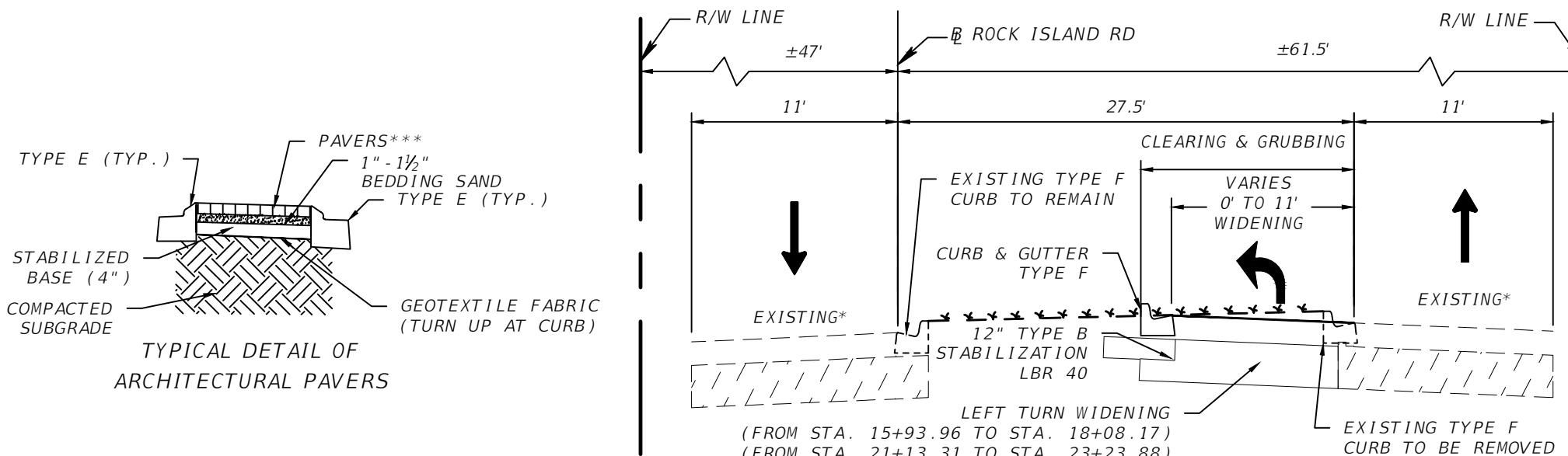
ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12-20 SF	2.00	AS
700-1-50	SINGLE POST SIGN, RELOCATE	3.00	AS
700-3-101	SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	4.00	EA
706-1-1	RAISED PAVEMENT MARKER	111.00	EA
710-11123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	383.00	LF
710-11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	72.00	LF
710-11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	0.03	GM
711-11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	72.00	LF
711-11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	18.00	EA
711-12231	THERMOPLASTIC, REFURBISHMENT, WHITE, SKIP, 6"	0.06	GM
711-16101	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	0.20	GM
711-16201	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	0.27	GM
PAY ITEMS NOTES:			
210-1-8	INSTALLATION MUST FOLLOW FDOT STANDARD SPECIFICATIONS SECTION 526.		
526-1-1	INCLUDES COST OF BRICK PAVERS, BEDDING SAND, AND GEOTEXTILE FABRIC.		

FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

REVISIONS		DESCRIPTION		FREDDIE A. VARGAS, P.E. P.E. LICENSE NUMBER 35941 CARNAHAN PROCTOR & CROSS, INC. 814 S. MILITARY TRAIL DEERFIELD BEACH, FL 33442 CERTIFICATE OF AUTHORIZATION 2936	CITY OF NORTH LAUDERDALE			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		2
---	---	---	---		----	BROWARD	----		



NOT TO SCALE



NOTE:

* CROSS SLOPE VARIES BETWEEN 0.02 TO 0.03

** REFER TO WIDENING DETAIL 2

*** PAVERS COLORS & PATTERN TO BE DETERMINED BY OWNER

TRAFFIC DATA

CURRENT YEAR = 2020

DESIGN SPEED = 40 MPH

POSTED SPEED = 40 MPH

PAVEMENT DESIGN WIDENING

TYPE B STABILIZATION (LBR 40) (12")

OPTIONAL BASE GROUP 6 (8") WITH

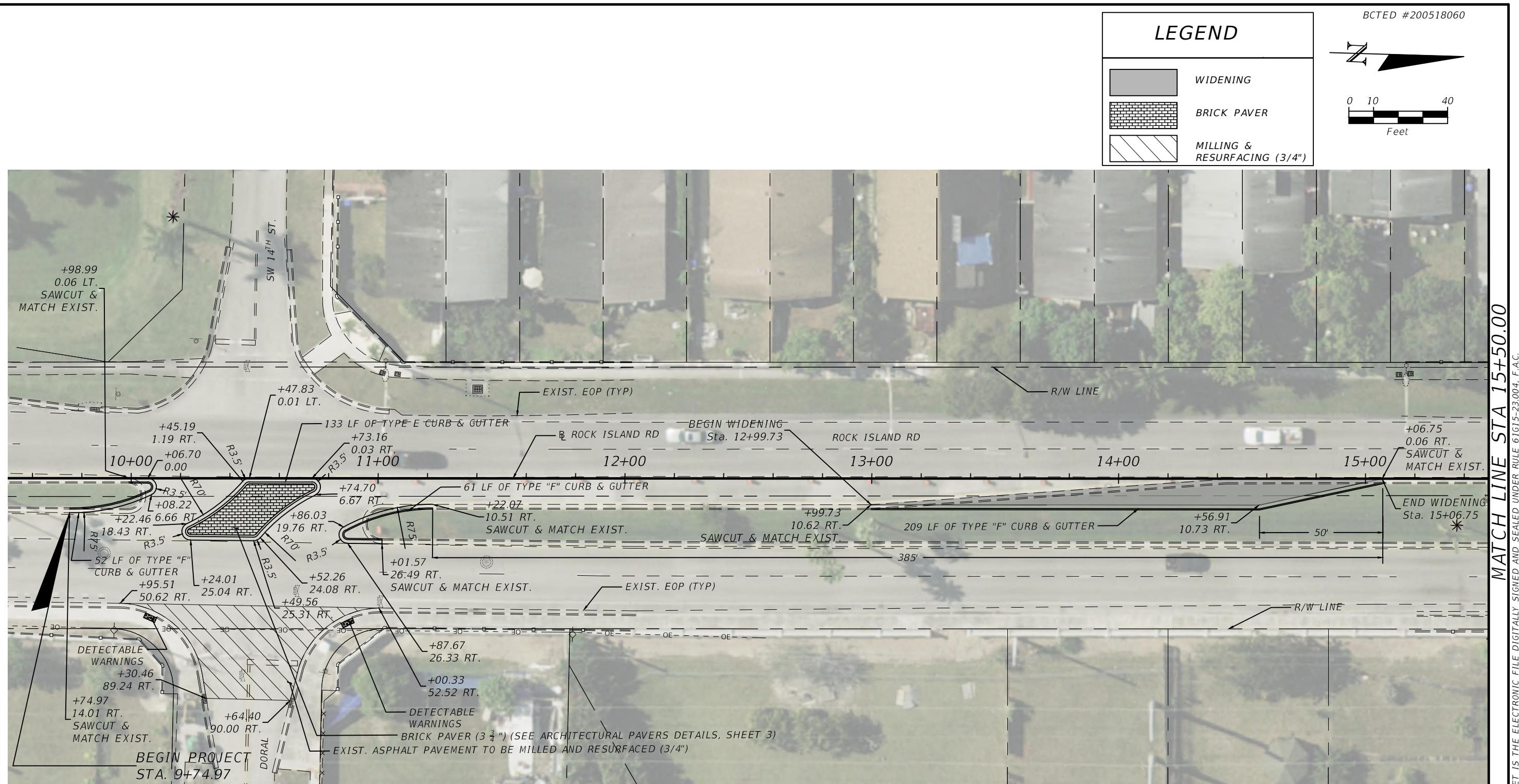
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")

AND FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG 76-22)

*NOTE: ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO
ACTUAL EXISTING PAVEMENT WIDTH. A UNIFORM
WIDTH BASE WIDENING STRIP MAY BE CONSTRUCTED
AT NO ADDITIONAL COMPENSATION.*

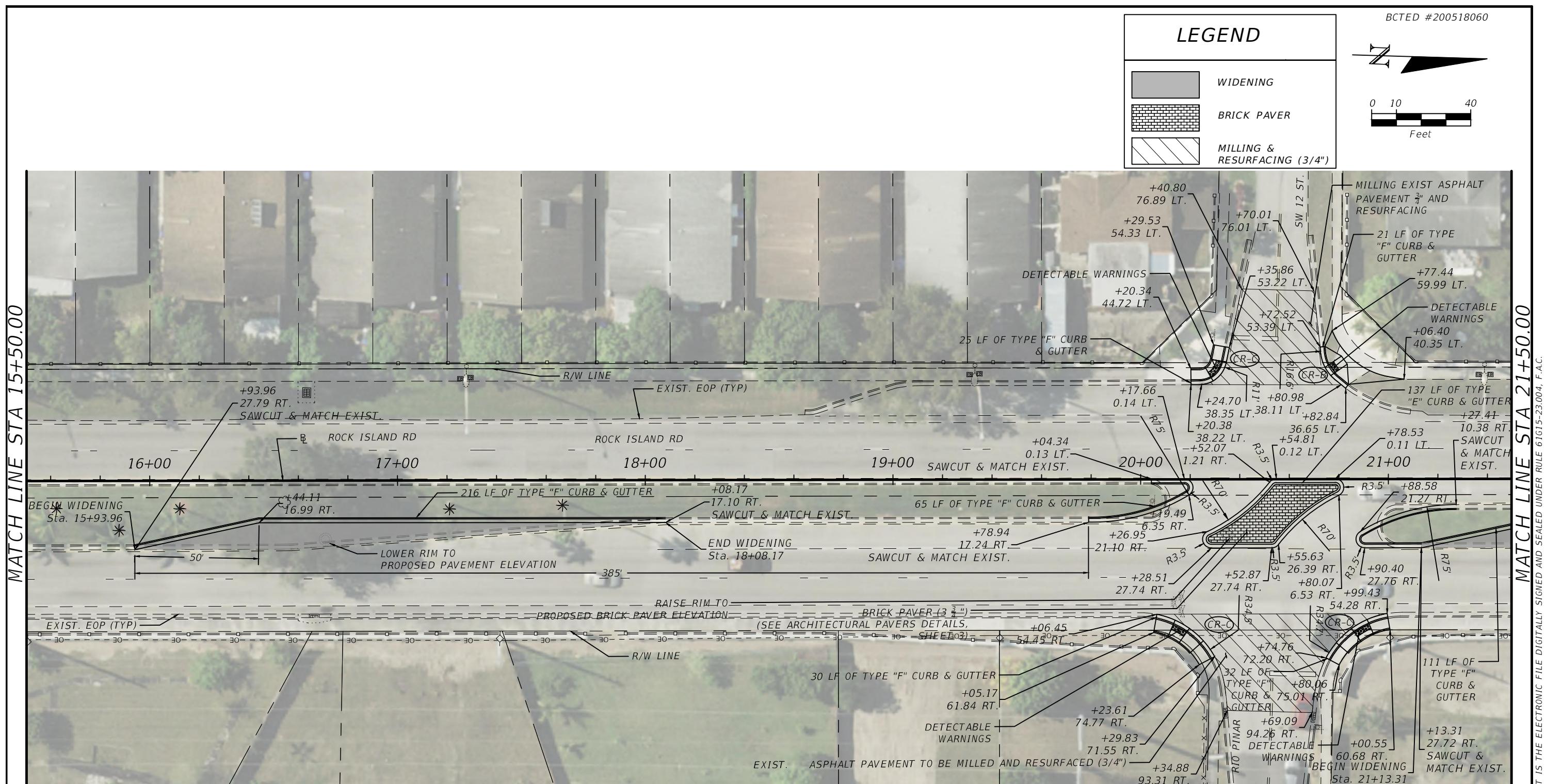
FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

REVISIONS				CITY OF NORTH LAUDERDALE			TYPICAL SECTIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION					
----	----			FREDDIE A. VARGAS, P.E. P.E. LICENSE NUMBER 35941 CARNAHAN PROCTOR & CROSS, INC. 814 S. MILITARY TRAIL DEERFIELD BEACH, FL 33442 CERTIFICATE OF AUTHORIZATION 2936	CITY OF NORTH LAUDERDALE			
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				----	BROWARD	----		



NOTE:
1. CONTRACTOR TO OBTAIN MOT PERMIT FROM THE CITY OF NORTH LAUDERDALE PRIOR TO THE BEGINNING OF THE CONSTRUCTION.

FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

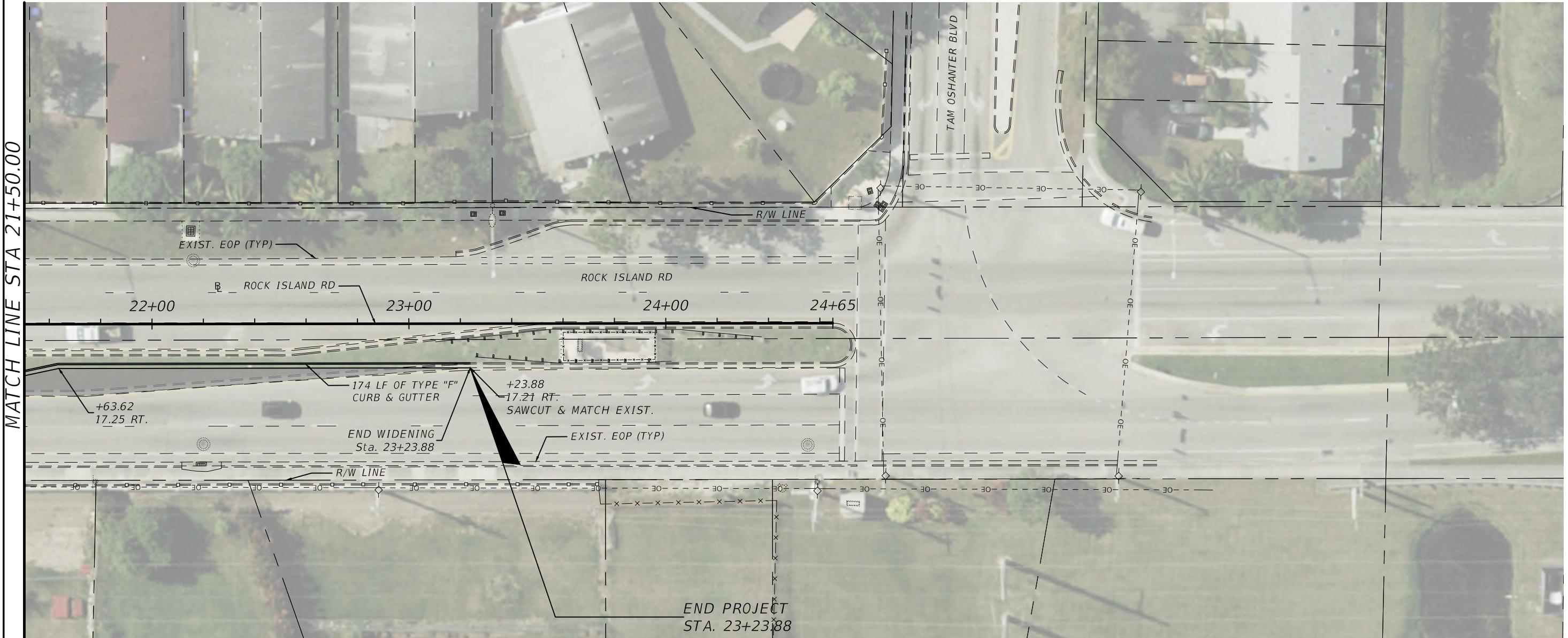
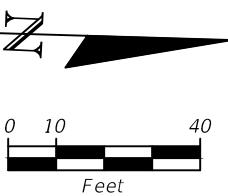


NOTE:

1. CONTRACTOR TO OBTAIN MOT PERMIT FROM THE CITY OF NORTH LAUDERDALE PRIOR TO THE BEGINNING OF THE CONSTRUCTION.
2. BRANCHES ENCROACHING IN AERIAL SPACE 20' ABOVE CURRENT CURB FROM TREE LOCATED NEAR STA. 16 + 47 MUST BE TRIMMED AS RECOMMENDED BY CONTRACTOR'S ARBORIST.

FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

LEGEND



NOTE:
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PRIOR TO THE BEGINNING OF THE CONSTRUCTION.

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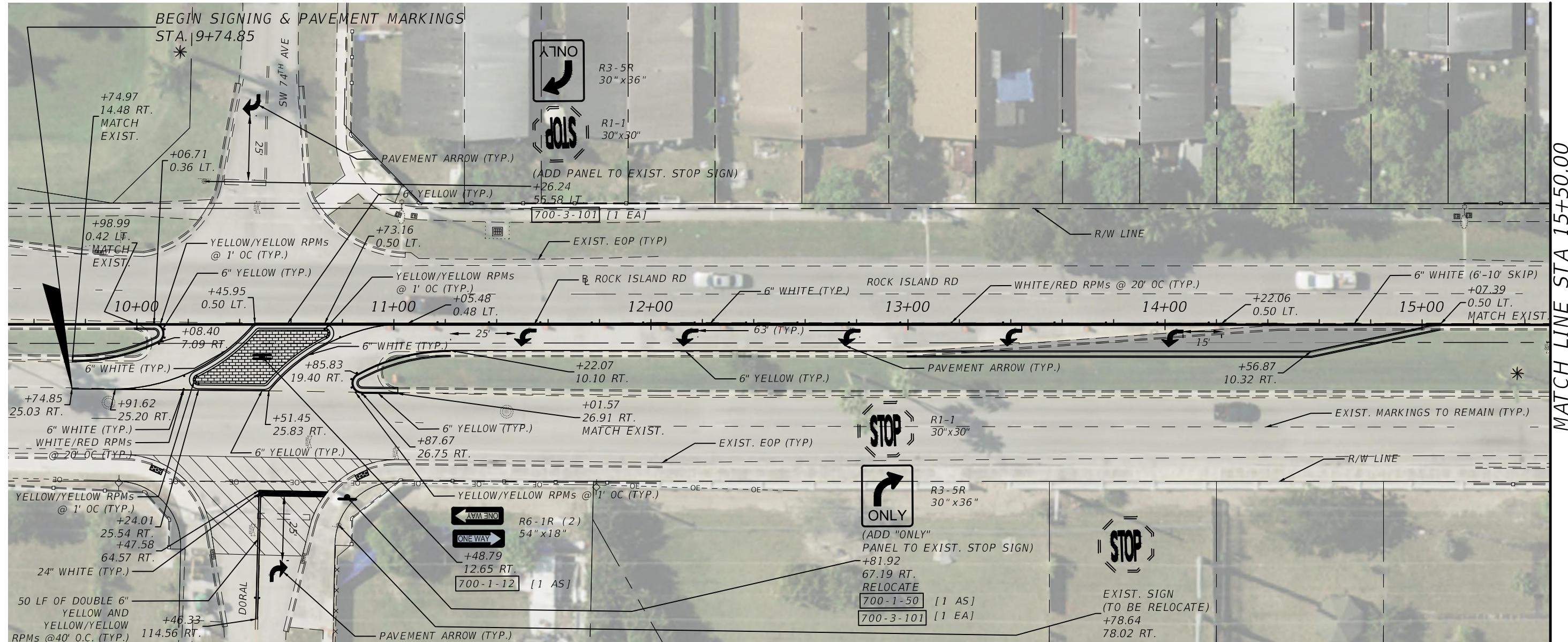
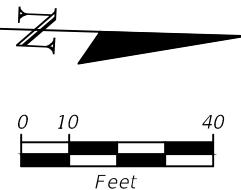
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FREDDIE A. VARGAS, P.E.
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CARNAHAN PROCTOR & CROSS, INC.
814 S. MILITARY TRAIL
DEERFIELD BEACH, FL 33442
CERTIFICATE OF AUTHORIZATION 2936

CITY OF NORTH LAUDERDALE

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	BROWARD	

ROADWAY PLANS

**NOTE:**

1. CONTRACTOR TO OBTAIN MOT PERMIT FROM THE CITY OF NORTH LAUDERDALE PRIOR TO THE BEGINNING OF THE CONSTRUCTION.
2. CONTRACTOR TO INSTALL TEMPORARY FDOT PAINT FOR PAVEMENT MARKINGS AND INSTALL THERMOPLASTIC PAVEMENT MARKINGS AFTER 30 DAYS.
3. ANY PAVEMENT MARKINGS OR SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED ACCORDING TO BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS.
4. ALL EXISTING STREET NAME SIGNS SHALL REMAIN IN PLACE OR BE RELOCATED OR REPLACED.

FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

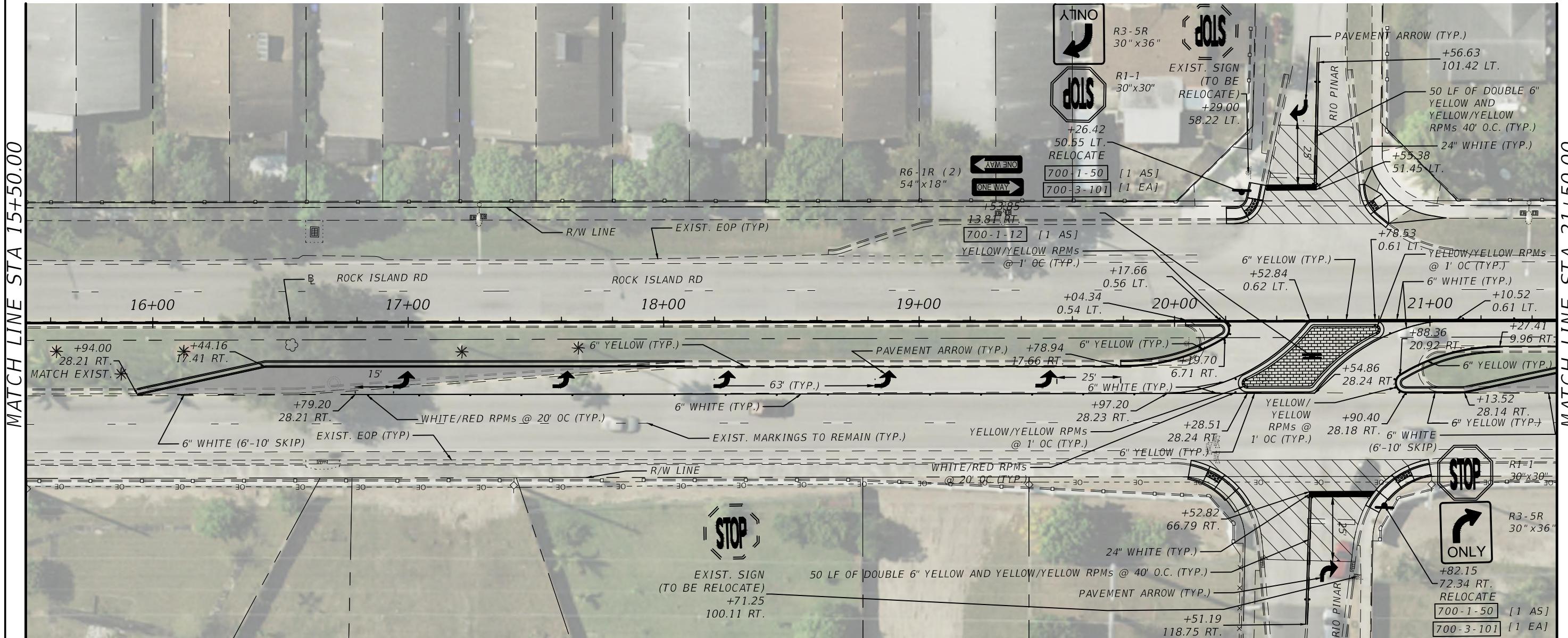
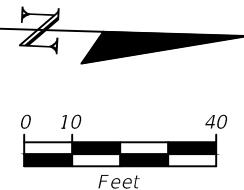
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FREDDIE A. VARGAS, P.E.
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814 S. MILITARY TRAIL
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CITY OF NORTH LAUDERDALE		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	BROWARD	

**SIGNING AND PAVEMENT
MARKINGS PLANS**

SHEET NO.
7



NOTE:

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4. ALL EXISTING STREET NAME SIGNS SHALL REMAIN IN PLACE OR BE RELOCATED OR REPLACED.

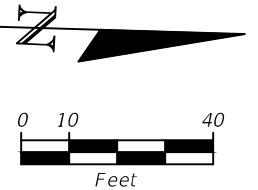
FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

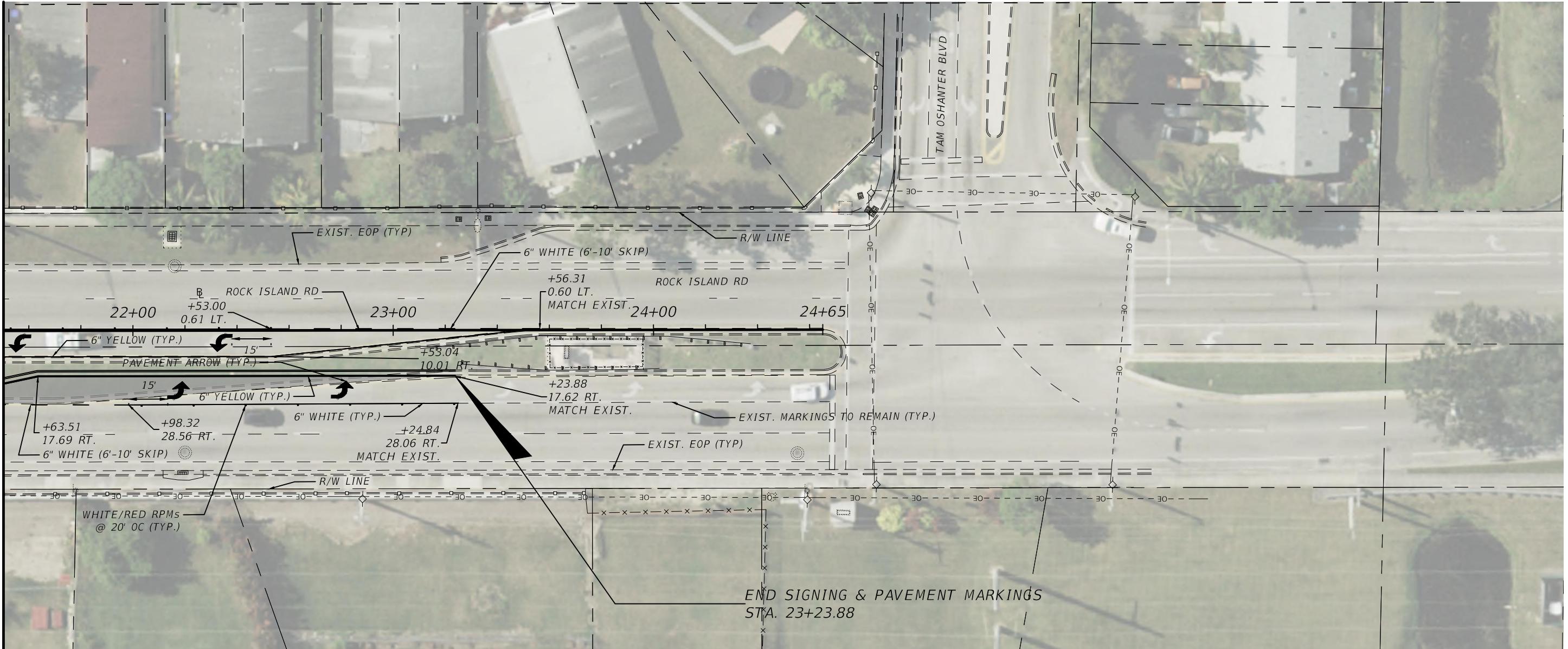
FREDDIE A. VARGAS, P.E.
P.E. LICENSE NUMBER 35941
CARNAHAN PROCTOR & CROSS, INC.
814 S. MILITARY TRAIL
DEERFIELD BEACH, FL 33442
CERTIFICATE OF AUTHORIZATION 2936

CITY OF NORTH LAUDERDALE		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	BROWARD	

*SIGNING AND PAVEMENT
MARKINGS PLANS*



MATCH LINE STA 21+50.00



NOTE:

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2. CONTRACTOR TO INSTALL TEMPORARY FDOT PAINT FOR PAVEMENT MARKINGS AND INSTALL THERMOPLASTIC PAVEMENT MARKINGS AFTER 30 DAYS.
3. ANY PAVEMENT MARKINGS OR SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED ACCORDING TO BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS.

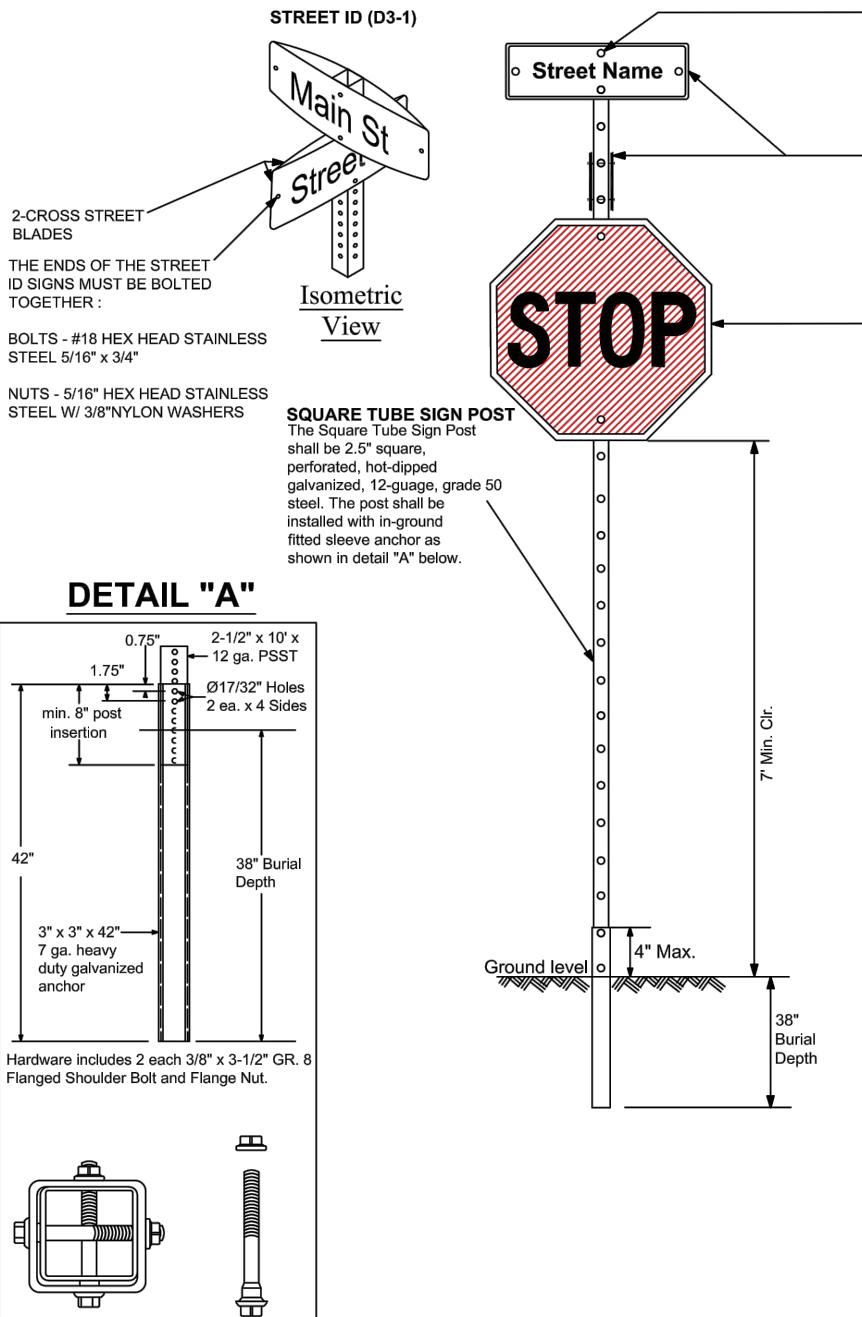
FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

REVISIONS				FREDDIE A. VARGAS, P.E. P.E. LICENSE NUMBER 35941 CARNAHAN PROCTOR & CROSS, INC. 814 S. MILITARY TRAIL DEERFIELD BEACH, FL 33442 CERTIFICATE OF AUTHORIZATION 2936	CITY OF NORTH LAUDERDALE	SIGNING AND PAVEMENT MARKINGS PLANS			SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
							BROWARD		

FOR SIGN ASSEMBLIES WITH MAXIMUM 8.75 SQUARE FOOT PANEL AREA

FOR SIGN ASSEMBLIES WITH GREATER THAN 8.75 SQUARE FOOT PANEL AREA WITH SUPPLEMENTAL SIGN

Typical Details



STREET ID (D3-1) MATERIALS:

LETTERS
WHITE TYPE XI SHEETING
LETTERING OF STREET NAME SIGNS SHALL BE COMPOSED OF A COMBINATION OF LOWERCASE LETTERS WITH INITIAL UPPERCASE LETTERS

BORDER
BORDER WIDTHS WILL VARY BASED ON LETTER HEIGHTS

LETTER HEIGHTS - BORDER WIDTHS
4 INCH LETTER = 0.375 INCH BORDER WIDTH
6 INCH LETTER = 0.500 INCH BORDER WIDTH
8 INCH LETTER = 0.750 INCH BORDER WIDTH

GREEN BACKGROUND
GREEN TRANSLUCENT INK SILK-SCREENED CLEAR-COATED OR ELECTRO-CUT (EC) FILM OR EQUIVALENT

LETTER SIZES
SEE MUTCD TABLE 2D-2 (PG 163)
FOR MINIMUM LETTER HEIGHTS
LENGTH VARIES BY STREET NAME

HARDWARE
BOLTS - #18 HEX HEAD STAINLESS STEEL 5/16" x 3"
NUTS - 5/16" STAINLESS STEEL W/ NYLON WASHERS.

REGULATORY SIGN
WHEN NO STREET ID IS PRESENT
THE STOP SIGN SHALL BE MOUNTED FLUSH
TO THE TOP OF THE POST WHILE MAINTAINING
7 FEET MIN. CLEARANCE BETWEEN BOTTOM OF
SIGN AND GROUND LEVEL. ANY SIGN
INSTALLED BACK TO BACK WITH THE
STOP SIGN SHALL BE SMALLER THAN
THE STOP SIGN.

STOP, DO NOT ENTER OR YIELD
WHITE TYPE XI SHEETING
PRESSURE-SENSITIVE RED TRANSLUCENT
INK SILK-SCREENED CLEAR-COATED OR
ELECTRO-CUT (EC) FILM OR EQUIVALENT.

HARDWARE

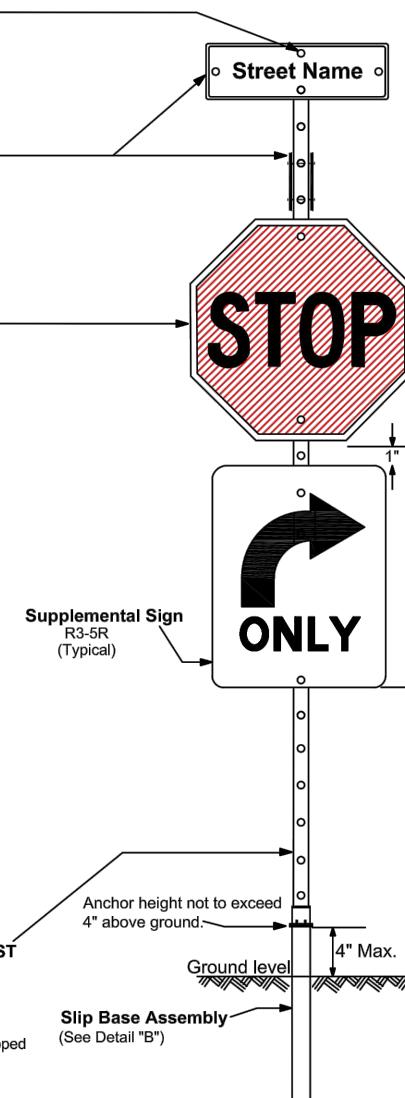
FRONT: #18 HEX HEAD STAINLESS STEEL 5/16" x 3" BOLT
W/ 3/8" NYLON WASHER
BACK: 5/16" HEX HEAD STAINLESS STEEL NUT
W/ 3/8" STAINLESS STEEL WASHER.

NOTES:
1. ALL TYPE XI SHEETING UTILIZED
MUST BE ON THE FDOT APL LIST.
2. SEE BCTED TECHNICAL POLICY
MEMO #TPM - 16-001 - SPECIFICATIONS
FOR RETROREFLECTIVE TRAFFIC SIGN MATERIALS.

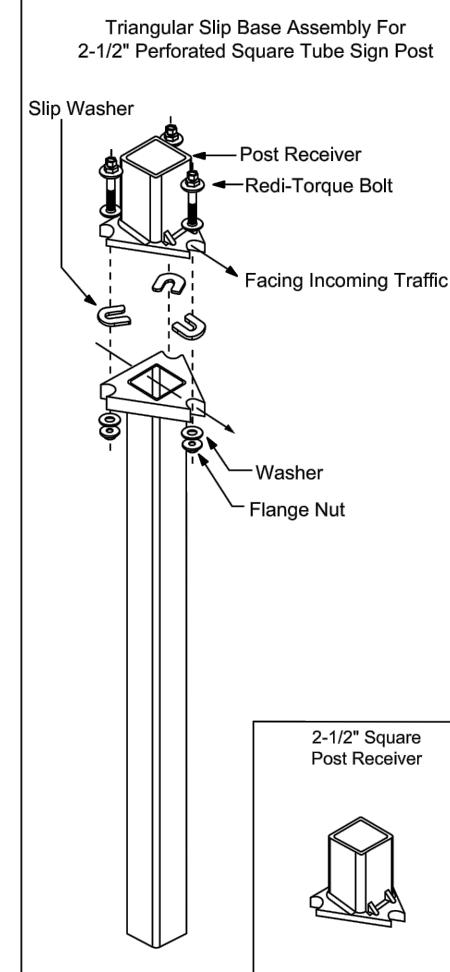
SQUARE TUBE SIGN POST
The Square Tube Sign Post
shall consist of a 2.5"
square tube inserted into a
2.5" square post receiver. Both
tubes will be perforated, hot-dipped
galvanized, 12-gauge,
grade 50 steel. The post
shall be installed into the
slip base assembly shown in detail
"B".

Notes:
1. Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th edition and interims.
2. For standard ground sign installation, see detail entitled "Ground Sign Assembly Details".

Typical Details



DETAIL "B"



REVISIONS	
DATE	DESCRIPTION
01-25-2018	N/A
04-09-2019	UPDATED MATERIAL NOTES
02-28-2020	ADDED ISOMETRIC VIEW



PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION
DESIGN BY: CARMELO CARATOZZOLO, P.E.
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: ANDREW SEBO, P.E., PTOE

**STOP SIGN AND STREET
IDENTIFICATION ASSEMBLY
TYPICAL DETAILS**

SHEET
NO.
1 OF 1

FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

REVISIONS	
DATE	DESCRIPTION

FREDDIE A. VARGAS, P.E.
P.E. LICENSE NUMBER 35941
CARNAHAN PROCTOR & CROSS, INC.
814 S. MILITARY TRAIL
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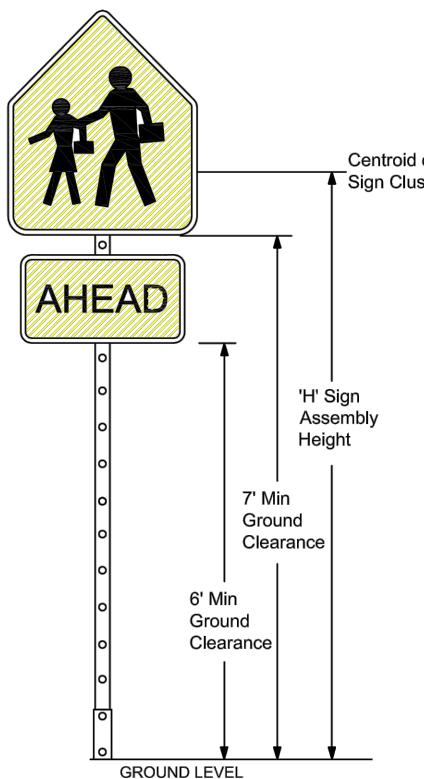
CITY OF NORTH LAUDERDALE
ROAD NO. COUNTY FINANCIAL PROJECT ID
BROWARD

**STOP SIGN AND STREET
IDENTIFICATION**

SHEET
NO.
10

GUIDE TO USE THIS STANDARD:

1. Calculate the Total Panel Area and the centroid 'C' for an individual sign or a sign cluster.
2. Determine the height 'H' from the groundline for the individual sign or the cluster.
3. Consult the Post Size Table and find the intersection point.
4. Design the post and the foundation according to the required Post Size and Assembly Details.



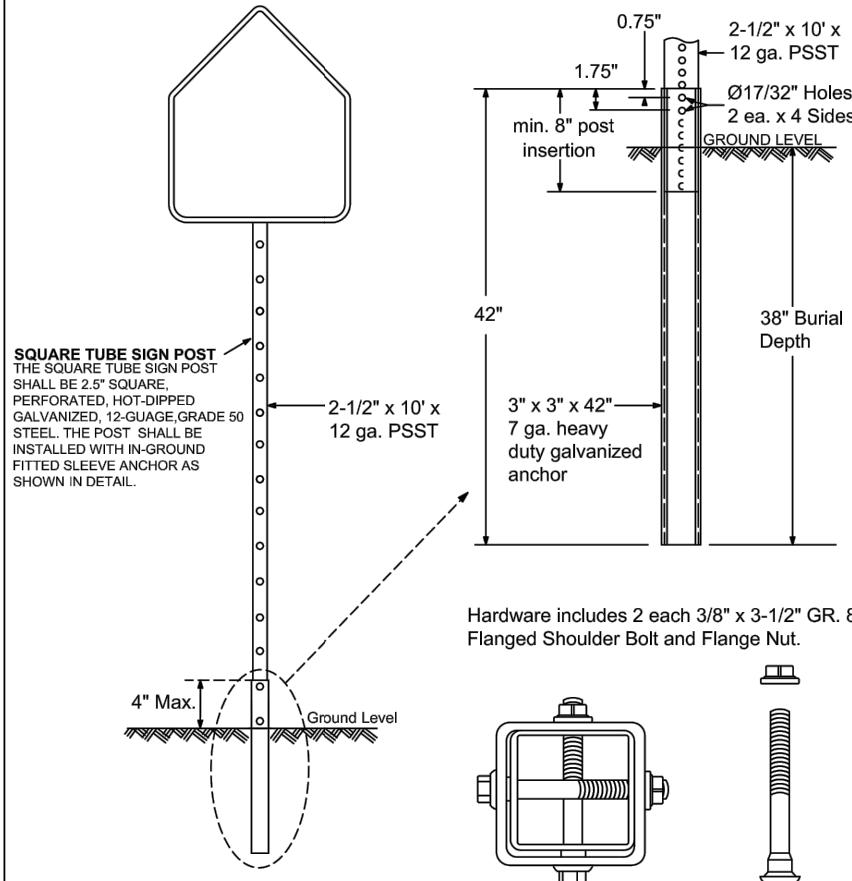
Post Size Table				
'H' Sign Assembly Height (ft) (measure from ground)				
8	8.5	9	9.5	10
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20+				

Sign Post with 3" x 7 ga. Square Anchor

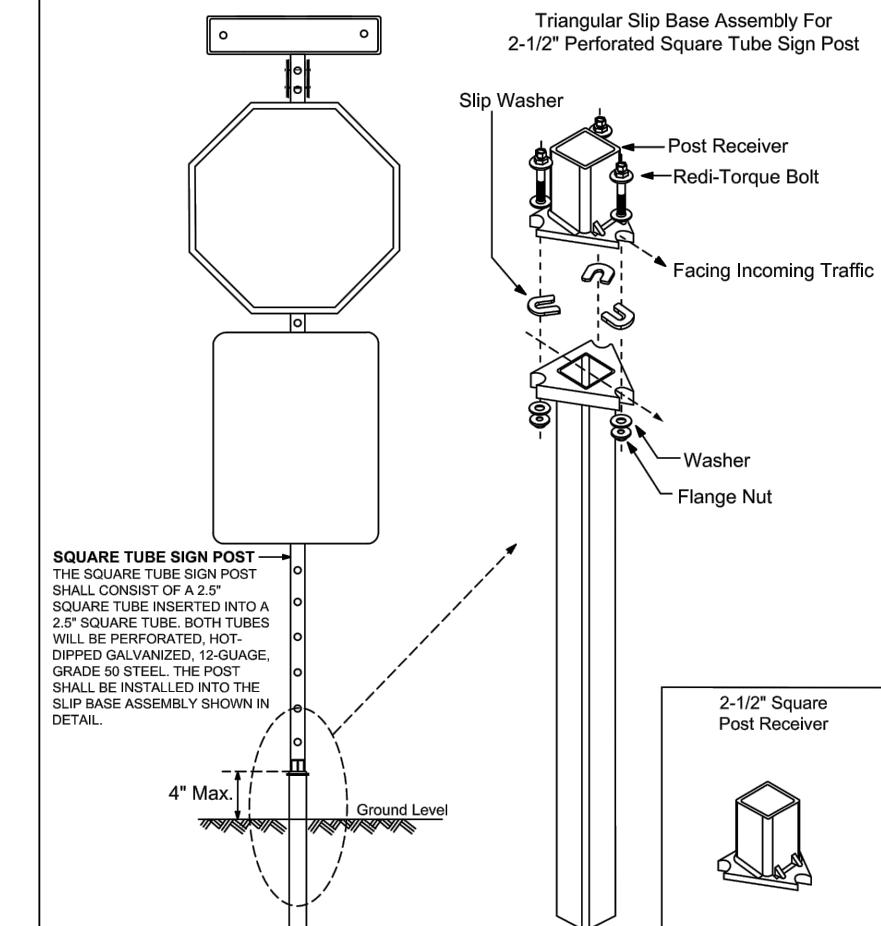
Sign Post with Triangular Slip Base Assembly

Two Post Installation Required with Triangular Slip Base

Sign Post with 3" x 7 ga. Square Anchor



Sign Post with Triangular Slip Base



REVISIONS		BROWARD COUNTY FLORIDA	
DATE	DESCRIPTION	DATE	DESCRIPTION
01-05-2016	N/A		
03-21-2017	UPDATED POST SIZE		

PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING DIVISION

DESIGN BY: YVES D'ANJOU, P.E.
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: ANDREW SEBO, P.E., PTOE

SCALE: NTS

GROUND SIGN ASSEMBLY DETAILS

SHEET NO.
1 OF 1

FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

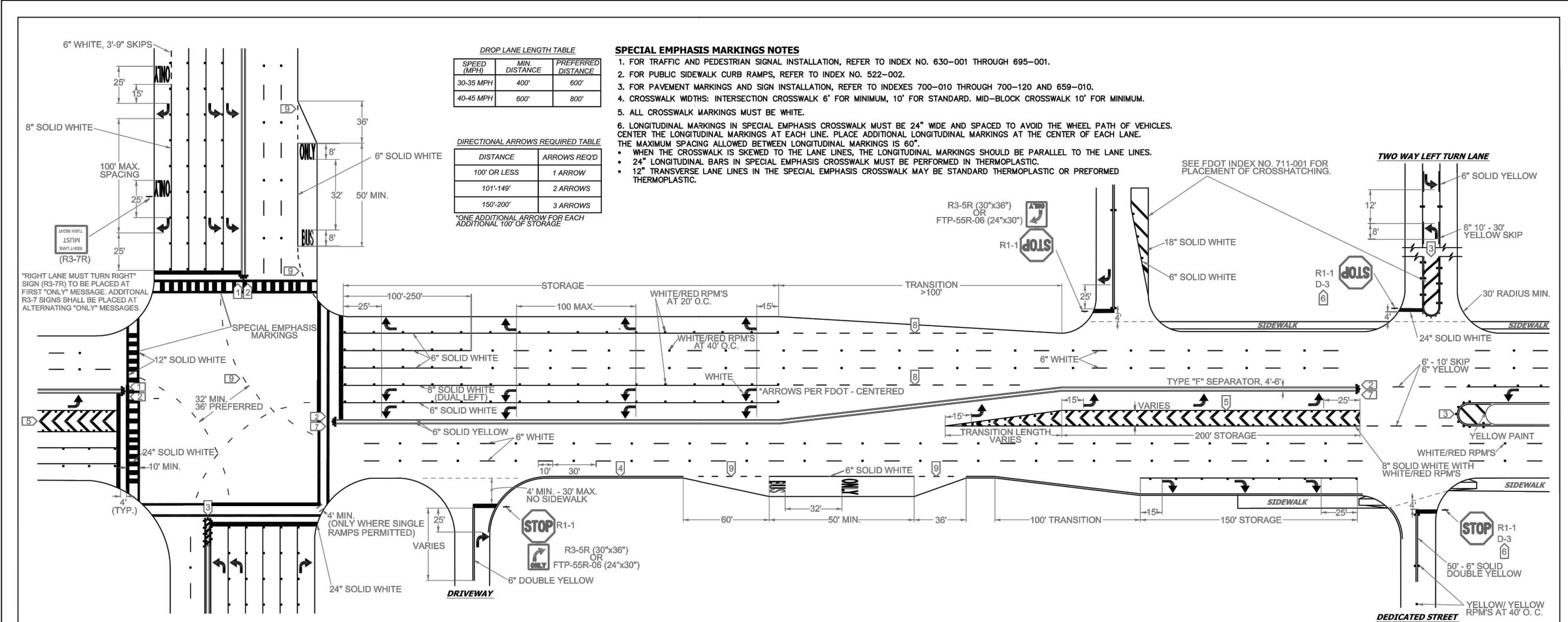
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CITY OF NORTH LAUDERDALE

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	BROWARD	

GROUND SIGN ASSEMBLY

**NOTES**

- ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
- ALL PAVEMENT MARKINGS ON PAVER SYSTEMS SHALL BE 3M 380/381 SERIES TAPE OR EQUIVALENT AND APPLIED WITH P60 ADHESIVE AS PER MANUFACTURERS SPECIFICATIONS.
- ALL PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", BCTED STANDARDS, AND FDOT DESIGN STANDARDS.
- SEE FDOT INDEX NO 706-001 FOR PLACEMENT OF RPM's (FOR BULLNOSE RPM TREATMENT, SEE LEGEND NO. 1)
- RPM's SHALL BE CLASS "B" OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
- FDT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
- FOR BIKE LANE DETAILS SEE FDOT INDEX NO. 711-002.
- MARKINGS IN AND ADJACENT TO BIKE LANES SHALL BE THERMOPLASTIC WITH A MIXTURE OF 50% CLASS SPHERES AND 50% SHARP SILICA SAND APPLIED AT A RATE DETERMINED BY THE MANUFACTURER'S SPECIFICATIONS.
- EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SAND BLASTING.
- ALL STOP LINES TO BE 4' BEHIND CROSSWALK OR SIDEWALK.
- PAVEMENT MARKING REFLECTIVITY SHALL BE UNIFORM ACROSS THE ENTIRE STRIPE AND SHALL HAVE A MINIMUM REFLECTIVITY READING OF 250 MILICANDELAS FOR WHITE AND 175 MILICANDELAS FOR YELLOW.
- ALL PRODUCTS MUST BE ON FDOT'S APPROVED PRODUCTS LIST (APL).
- RPM'S SHALL NOT BE INSTALLED ADJACENT TO BIKE LANES.

REVISIONS	
DATE	DESCRIPTION
01-15-2016	N/A
06-11-2018	UPDATED FDOT INDEX REFERENCE
08-23-2018	UPDATED NOTES



PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION
DESIGN BY: CARMELO CARATOZZOLO, P.E. SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: ANDREW SEBO, P.E., PTOE

PAVEMENT MARKINGS AND SIGNS DETAILS

SHEET
NO.
1 OF 1

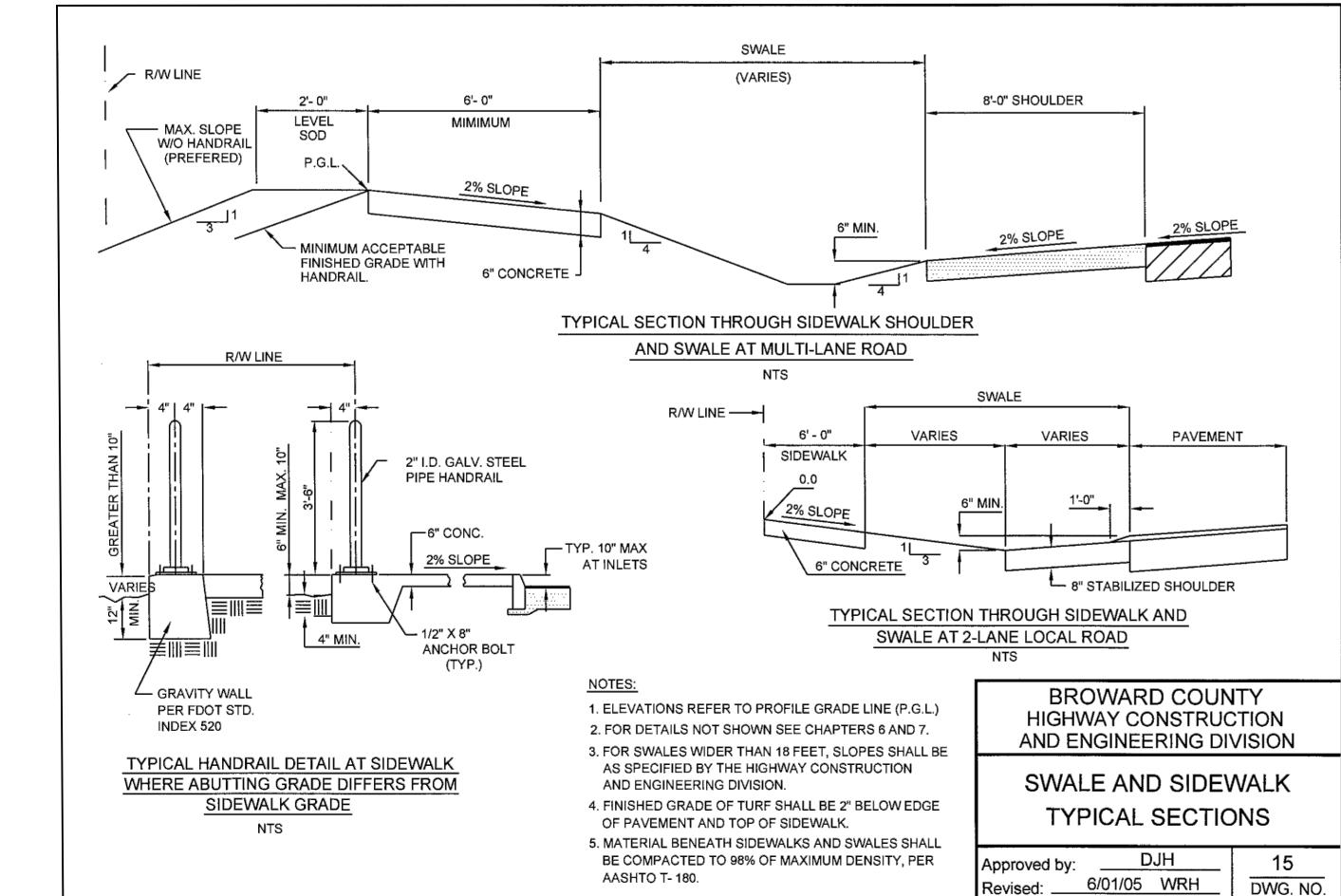
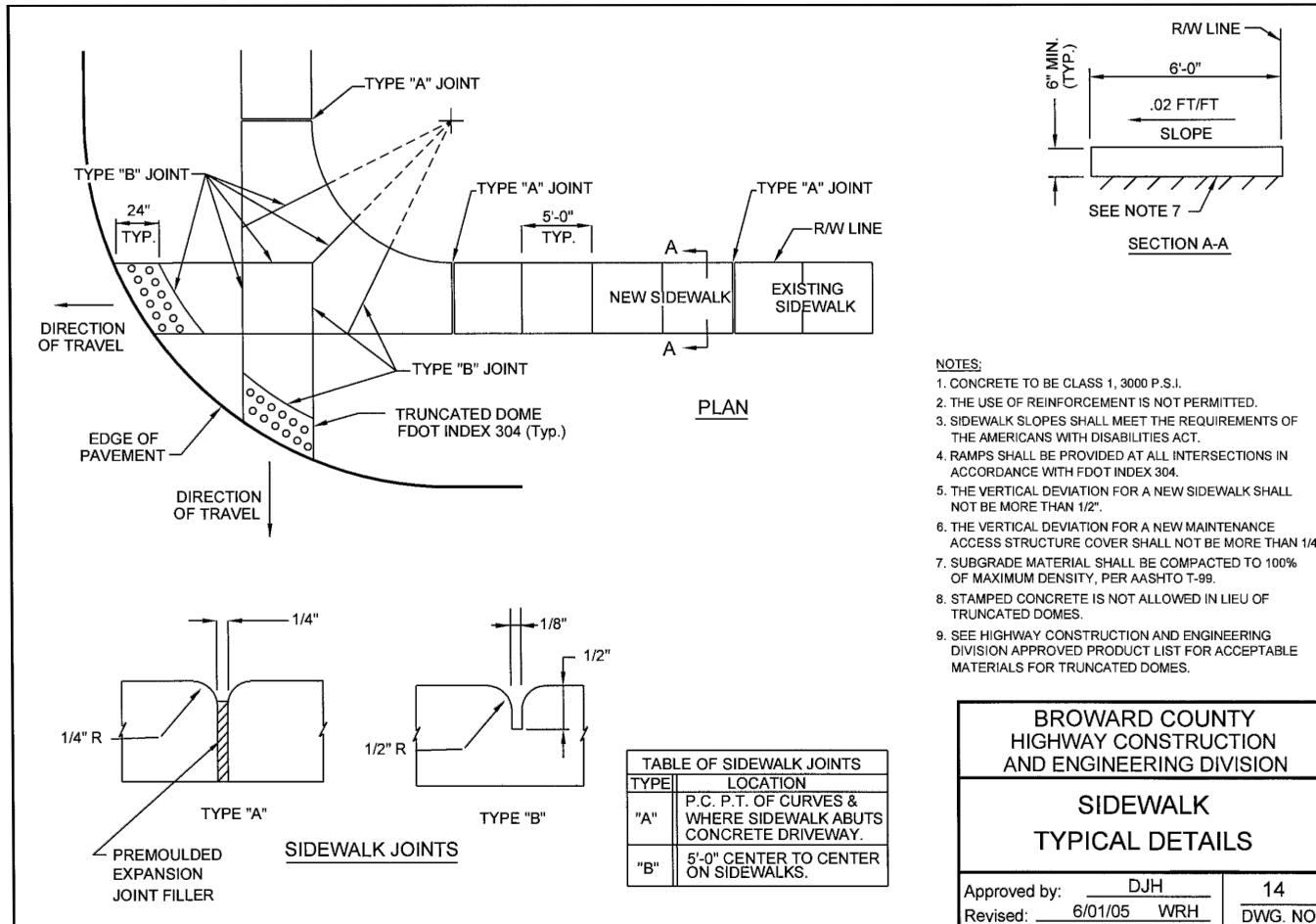
FREDDIE A. VARGAS P.E.
LICENSE NO. 35941

REVISIONS	
DATE	DESCRIPTION

FREDDIE A. VARGAS, P.E.
P.E. LICENSE NUMBER 35941
CARNAHAN PROCTOR & CROSS, INC.
814 S. MILITARY TRAIL
DEERFIELD BEACH, FL 33442
CERTIFICATE OF AUTHORIZATION 2936

CITY OF NORTH LAUDERDALE
ROAD NO. COUNTY FINANCIAL PROJECT ID
BROWARD

PAVEMENT MARKINGS



REVISIONS			
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SIDEWALK TYPICAL DETAILS