

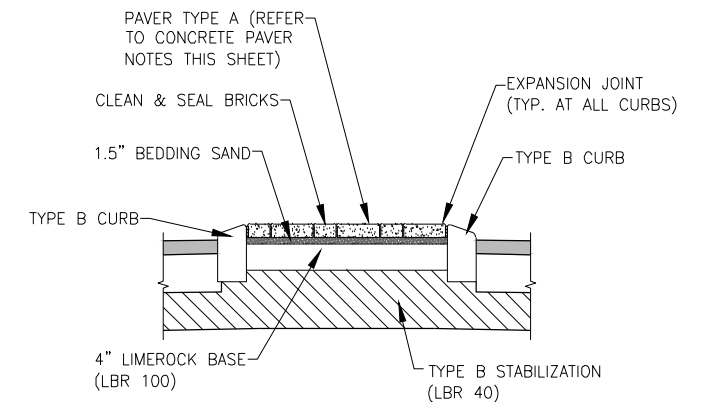
**TYPICAL SECTION AT ROUNDABOUT**  
N.T.S.

**MAINLINE MILLING & RESURFACING**

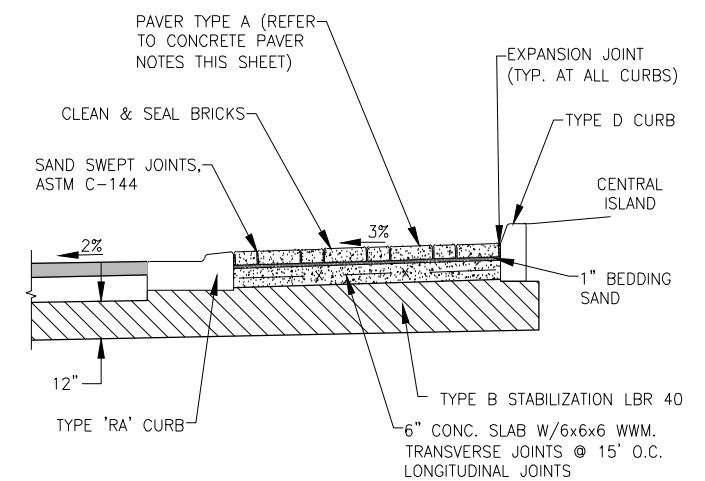
MILL EXISTING ASPHALT (2.5" AVERAGE DEPTH)  
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC B) (1.5")  
AND FRICTION COURSE FC-9.5 (1")

**WIDENING / RECONSTRUCTION**

OPTIONAL BASE GROUP 7 (TYPE B-12.5 ONLY) WITH  
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC B) (1.5")  
AND FRICTION COURSE FC-9.5 (1")



**SPLITTER ISLAND DETAIL**  
N.T.S.



**TRUCK APRON DETAIL**  
N.T.S.

**CONCRETE PAVER NOTES**

- PAVER TYPE A  
STYLE: BRICK 4x8 SIZE: 3 7/8" x 7 7/8" x 3 1/8"  
PATTERN: TO MATCH ROUNDABOUT AT CENTRAL AVE. & 10TH STREET AND 10TH STREET & 3RD AVE. SOUTH  
COLOR: TREMOR SOUTHBEACH WITH GREEN COLOR BORDER
- ALL PAVERS TO BE FLUSH WITH SURROUNDING SURFACES.
- ALL PAVERS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

**NOTES**

DESIGN SPEED 35 M.P.H.  
POSTED SPEED 30 M.P.H.

**TRAFFIC DATA**

- CURRENT YEAR 2018: 4,700
- ESTIMATED OPENING YEAR 2019: 4,700
- ESTIMATED DESIGN YEAR 2029: 5,700

**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 1" = 10'



**Civil Engineers • Land Surveyors • Planners • Landscape Architects**  
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LG 26000266  
Bonita Springs: 239.947.1144 [www.GradyMinor.com](http://www.GradyMinor.com) Fort Myers: 239.690.4380

Q. Grady Minor and Associates, P.A.  
3800 Via Del Rey  
Bonita Springs, Florida 34134

**8th Street Improvements**

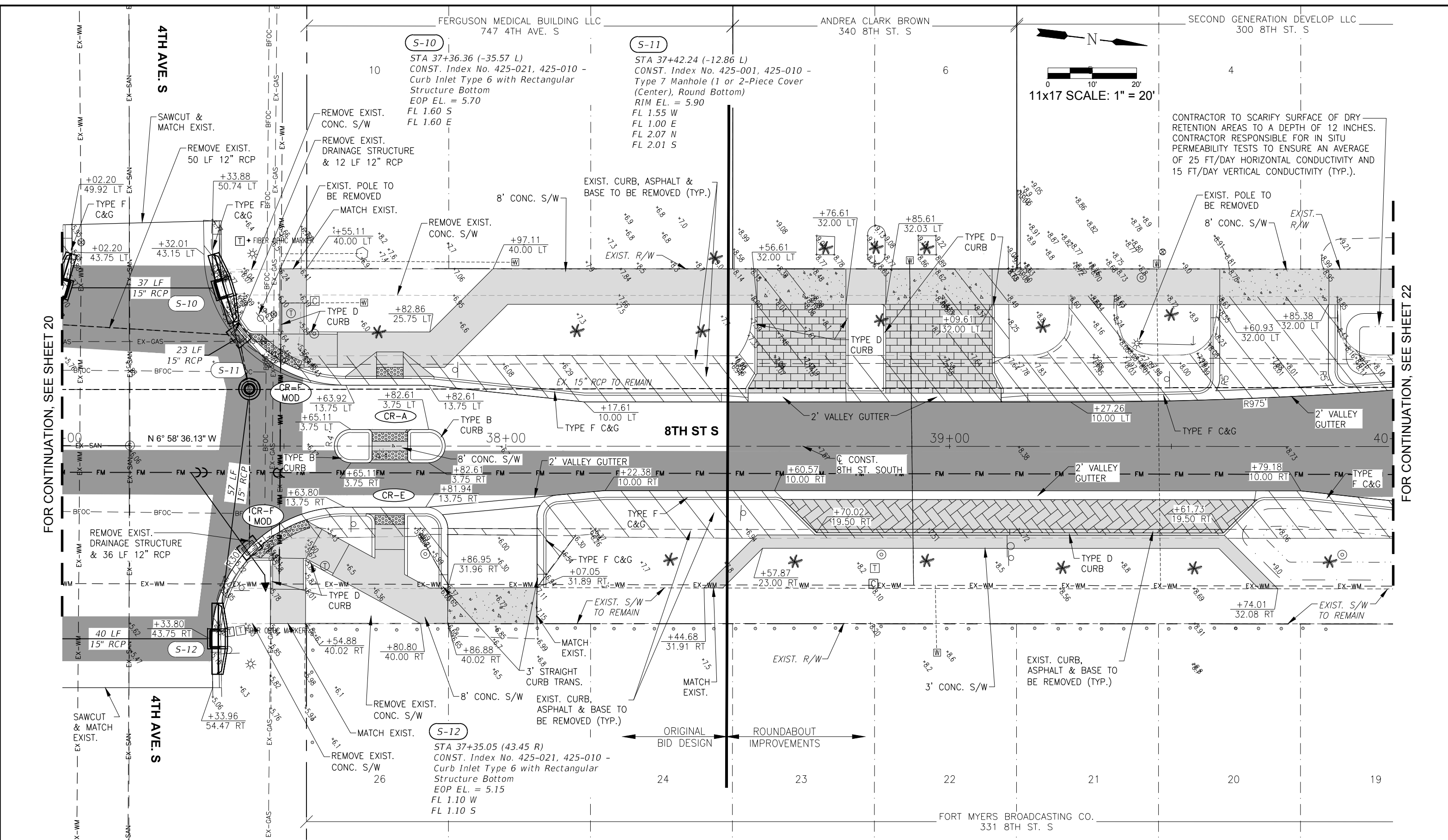
**TYPICAL SECTIONS - 5**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	8A OF 182

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FOR CONTINUATION, SEE SHEET 20

FOR CONTINUATION, SEE SHEET 22



CONTRACTOR TO SCARIFY SURFACE OF DRY RETENTION AREAS TO A DEPTH OF 12 INCHES. CONTRACTOR RESPONSIBLE FOR IN SITU PERMEABILITY TESTS TO ENSURE AN AVERAGE OF 25 FT/DAY HORIZONTAL CONDUCTIVITY AND 15 FT/DAY VERTICAL CONDUCTIVITY (TYP.).

LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVING
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

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Bonita Springs, Florida 34134

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Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LG 26000266

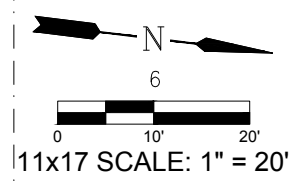
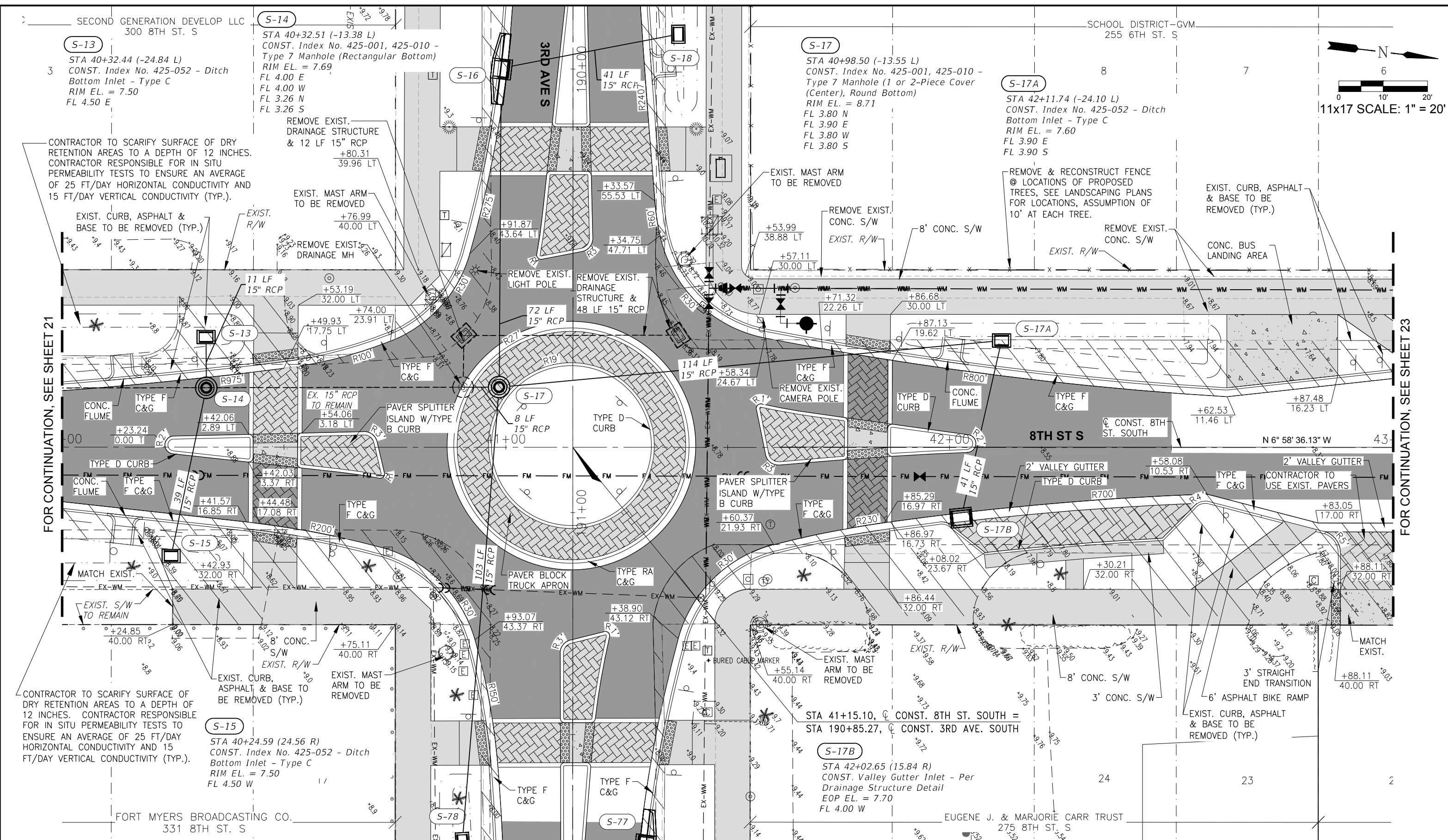
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8th Street Improvements**

PLAN SHEET - 3

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	21 OF 182



FOR CONTINUATION, SEE SHEET 21

FOR CONTINUATION, SEE SHEET 23

LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6\"/>

Revision	Date	Description

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	R.D.F.
	CN007
SCALE:	11x17 1\"/>

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**8th Street Improvements**

PLAN SHEET - 4

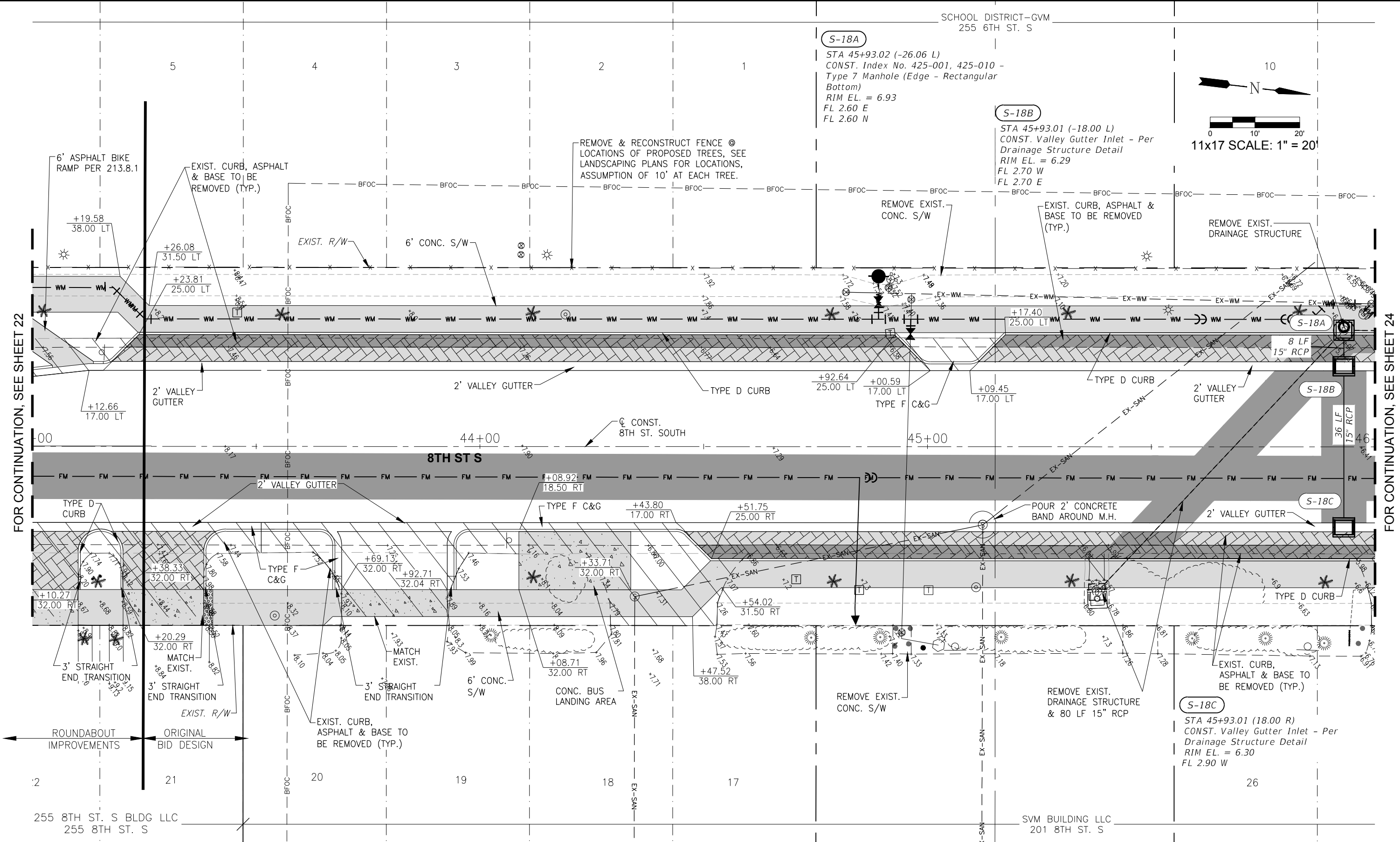
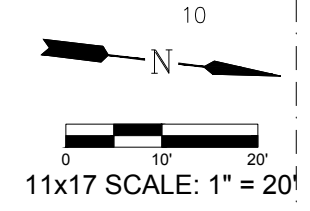
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	22 OF 182

SCHOOL DISTRICT-GVM  
255 6TH ST. S

**S-18A**  
STA 45+93.02 (-26.06 L)  
CONST. Index No. 425-001, 425-010 -  
Type 7 Manhole (Edge - Rectangular  
Bottom)  
RIM EL. = 6.93  
FL 2.60 E  
FL 2.60 N

**S-18B**  
STA 45+93.01 (-18.00 L)  
CONST. Valley Gutter Inlet - Per  
Drainage Structure Detail  
RIM EL. = 6.29  
FL 2.70 W  
FL 2.70 E



FOR CONTINUATION, SEE SHEET 22

FOR CONTINUATION, SEE SHEET 24

**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
DRAWN BY: D.M.S.  
APPROVED: R.D.F.  
JOB CODE: CN007  
SCALE: 11x17 1" = 20'

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Bonita Springs, Florida 34134

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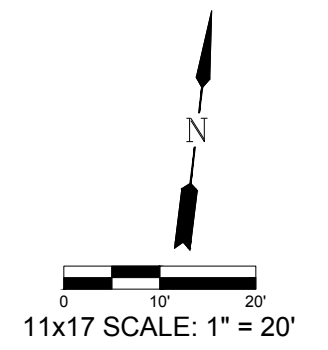
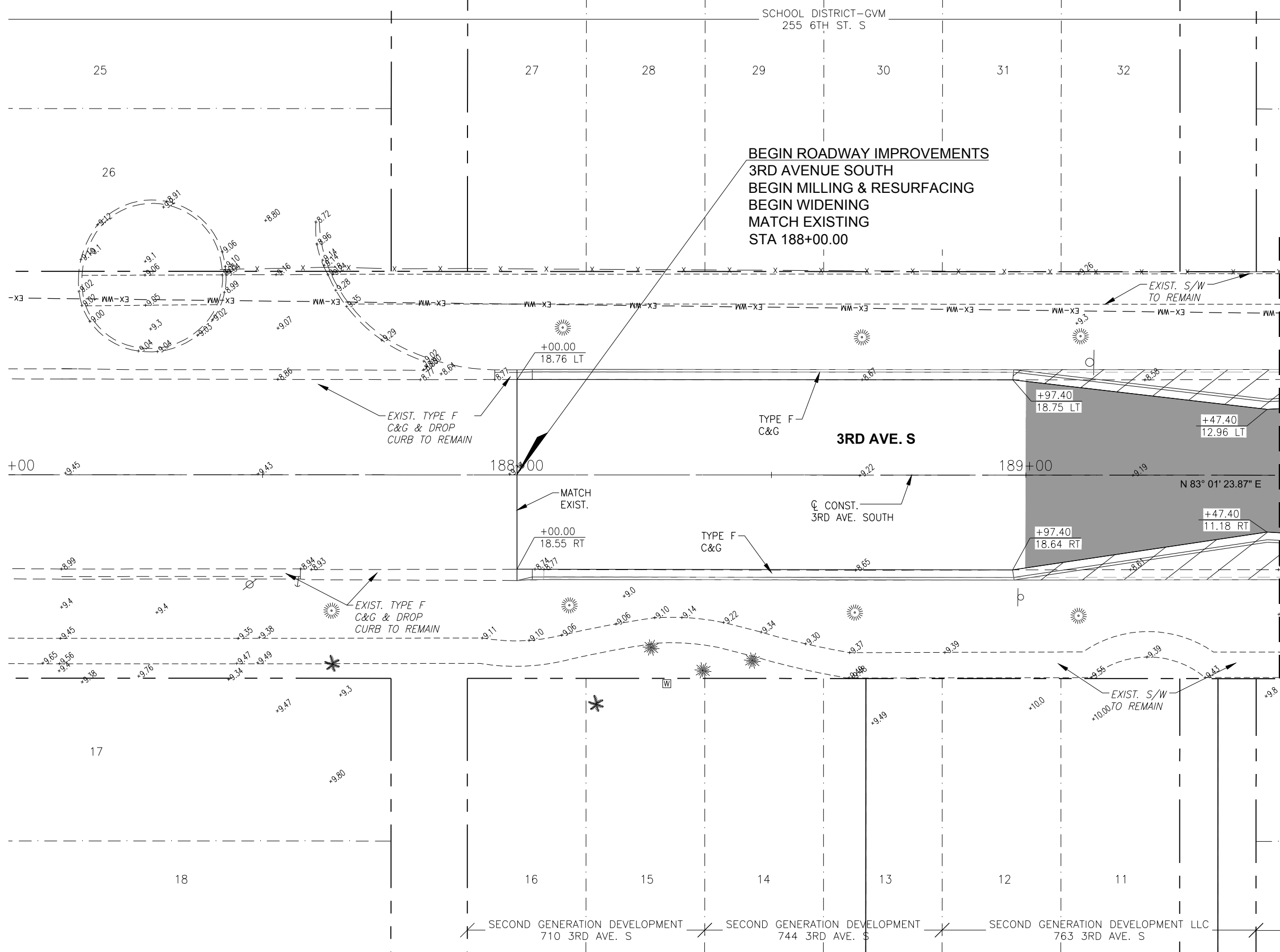
**8th Street Improvements**

PLAN SHEET - 5

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY: CITY OF NAPLES  
SEC/TWN/RGE: 34/49S & 3/50S/25E  
DATE: DECEMBER, 2018  
SUBMITTAL TYPE: 100% PLANS  
SHEET 23 OF 182

R. DANIEL FLYNN, P.E.  
FLORIDA P.E. LICENSE NO. 76205



FOR CONTINUATION, SEE SHEET 38A

LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**GradyMinor**

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3800 Via Del Rey  
Bonita Springs, Florida 34134

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**8th Street Improvements**

PLAN SHEET - 20

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET 38 OF 182	R. DANIEL FLYNN, P.E. FLORIDA P.E. LICENSE NO. 76205

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**S-18**  
 STA 189+92.14 (-23.73 L)  
 CONST. Index No. 425-052 - Ditch  
 Bottom Inlet - Type C  
 RIM EL. = 7.75  
 FL 4.20 S

**S-17**  
 STA 190+71.70 (16.61 R)  
 CONST. Index No. 425-001, 425-010 -  
 Type 7 Manhole (1 or 2-Piece Cover  
 (Center), Round Bottom)  
 RIM EL. = 8.71  
 FL 3.80 N  
 FL 3.90 E  
 FL 3.80 W  
 FL 3.80 SE

**S-77**  
 STA 191+74.91 (-16.35 L)  
 CONST. Index No. 425-021, 425-010 -  
 Curb Inlet Type 5 (Left) with  
 Rectangular Structure Bottom  
 EOP EL. = 7.63  
 FL 4.15 S

MATCH  
 EXIST.  
 +57.46  
 39.65 LT  
 EXIST. R/W

EXIST. MAST ARM  
 TO BE REMOVED  
 MATCH  
 EXIST.  
 +45.26  
 39.59 LT

EXIST. MAST ARM  
 TO BE REMOVED  
 +25.26  
 40.00 LT

+68.82  
 30.00 LT

+37.55  
 19.64 LT

+56.76  
 32.00 LT

TYPE F C&G  
 TYPE D CURB  
 CONC. FLUME  
 R2407  
 +12.03  
 17.04 LT  
 41 LF  
 15" RCP

PAVER SPLITTER  
 ISLAND W/TYPE  
 B CURB  
 +29.73  
 18.46 LT

TYPE F C&G  
 REMOVE  
 EXIST. S/W  
 +28.37  
 23.79 LT

TYPE F C&G  
 +97.42  
 14.55 RT

TYPE F C&G  
 +41.62  
 23.24 RT

TYPE F C&G  
 +67.96  
 16.12 RT  
 +59.98  
 16.64 RT

+71.17  
 29.85 RT

+98.52  
 73.23 LT

+30.23  
 21.55 RT

+58.46  
 39.81 RT

+45.26  
 40.00 RT

+25.26  
 40.00 RT

**S-16**  
 STA 189+99.98 (16.10 R)  
 CONST. Index No. 425-021  
 425-010 - Curb Inlet Type 6 with  
 Rectangular Structure Bottom  
 EOP EL. = 7.83  
 FL 4.00 E  
 FL 4.00 N

REMOVE EXIST.  
 DRAINAGE MH, CB  
 & 12 LF 15" RCP

STA 41+15.10, C. CONST.  
 8TH ST. SOUTH =  
 STA 190+85.27, C.  
 CONST. 3RD AVE. SOUTH

+58.46  
 39.81 RT

+61.35  
 41.11 RT

+56.95  
 32.00 RT

**S-13**

**S-14**

**S-15**

+71.17  
 29.85 RT

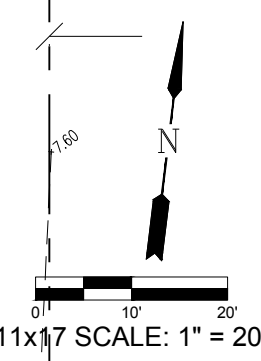
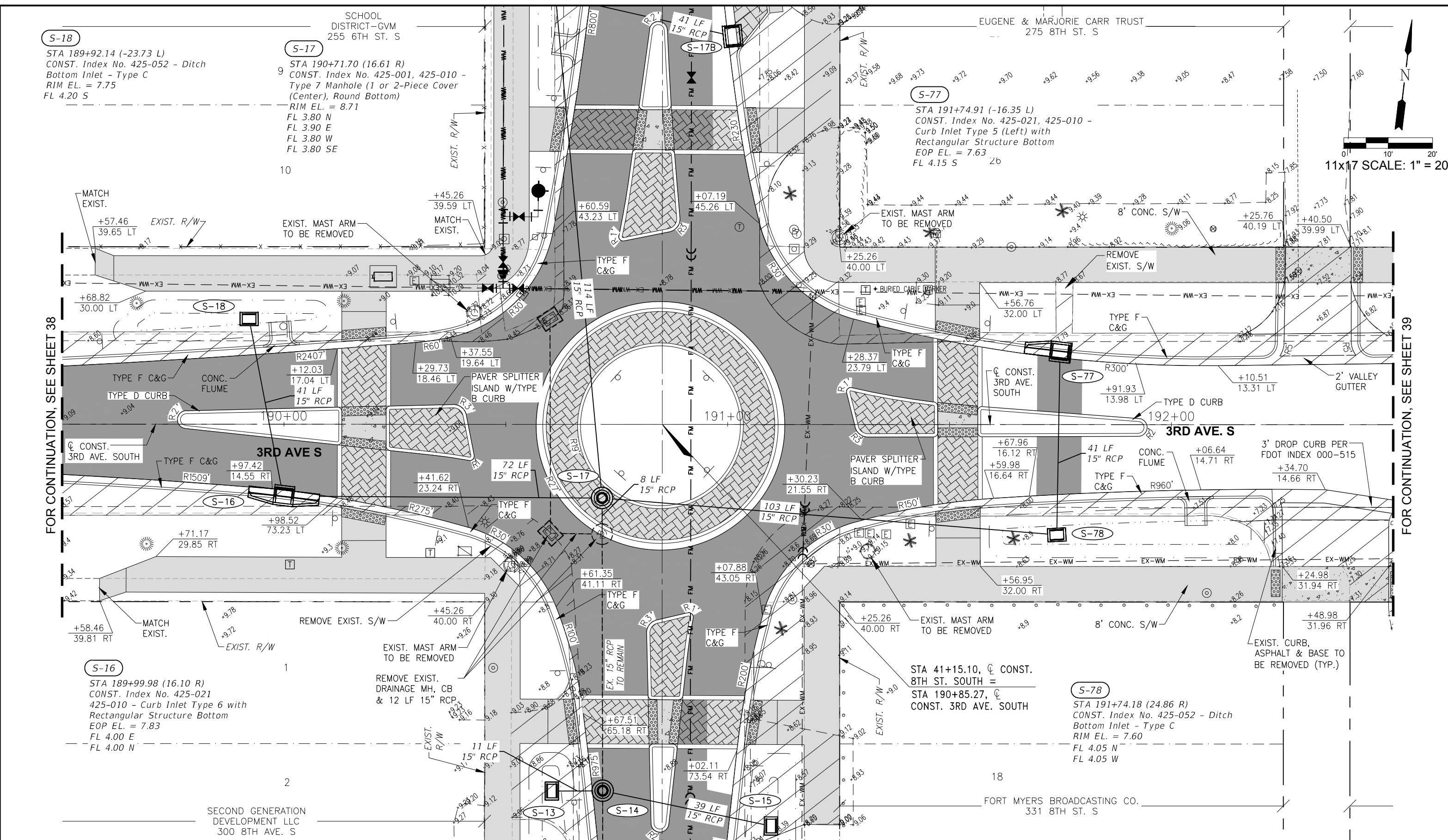
+98.52  
 73.23 LT

+24.98  
 31.94 RT

+58.46  
 39.81 RT

+45.26  
 40.00 RT

+48.98  
 31.96 RT



FOR CONTINUATION, SEE SHEET 38

FOR CONTINUATION, SEE SHEET 39

**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	R.D.F.
	CN007
SCALE:	11x17 1" = 20'

**GradyMinor**  
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 Bonita Springs, Florida 34134

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 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LC 26000266

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**8th Street Improvements**

PLAN SHEET - 20A

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:  
 CITY OF NAPLES

SEC/TWN/RGE:  
 34/49S & 3/50S/25E

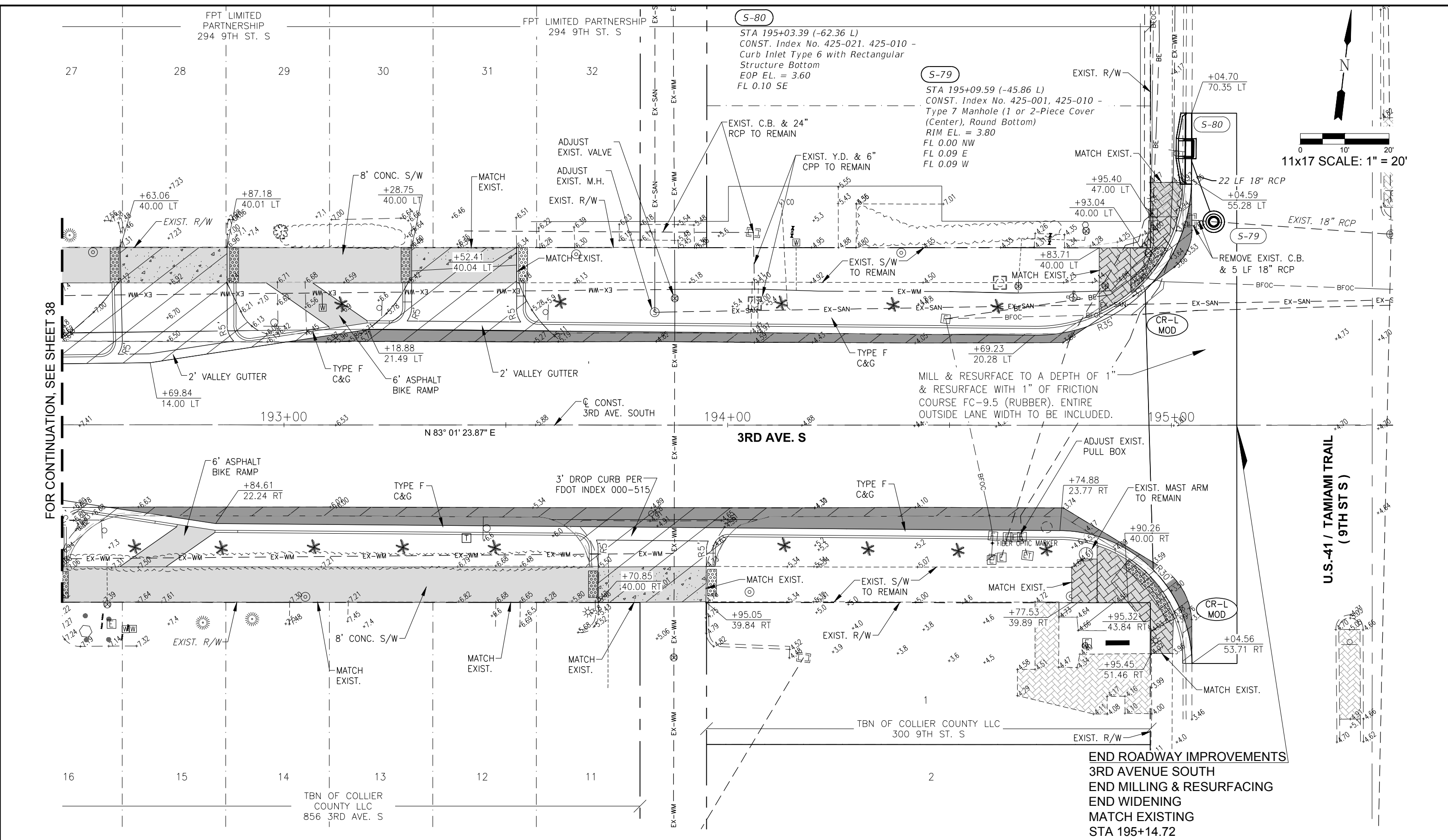
DATE:  
 DECEMBER, 2018

SUBMITTAL TYPE:  
 100% PLANS

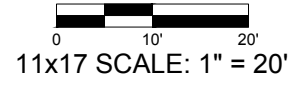
SHEET 38A OF 182

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205





FOR CONTINUATION, SEE SHEET 38



LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED REMOVAL

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**GradyMinor**

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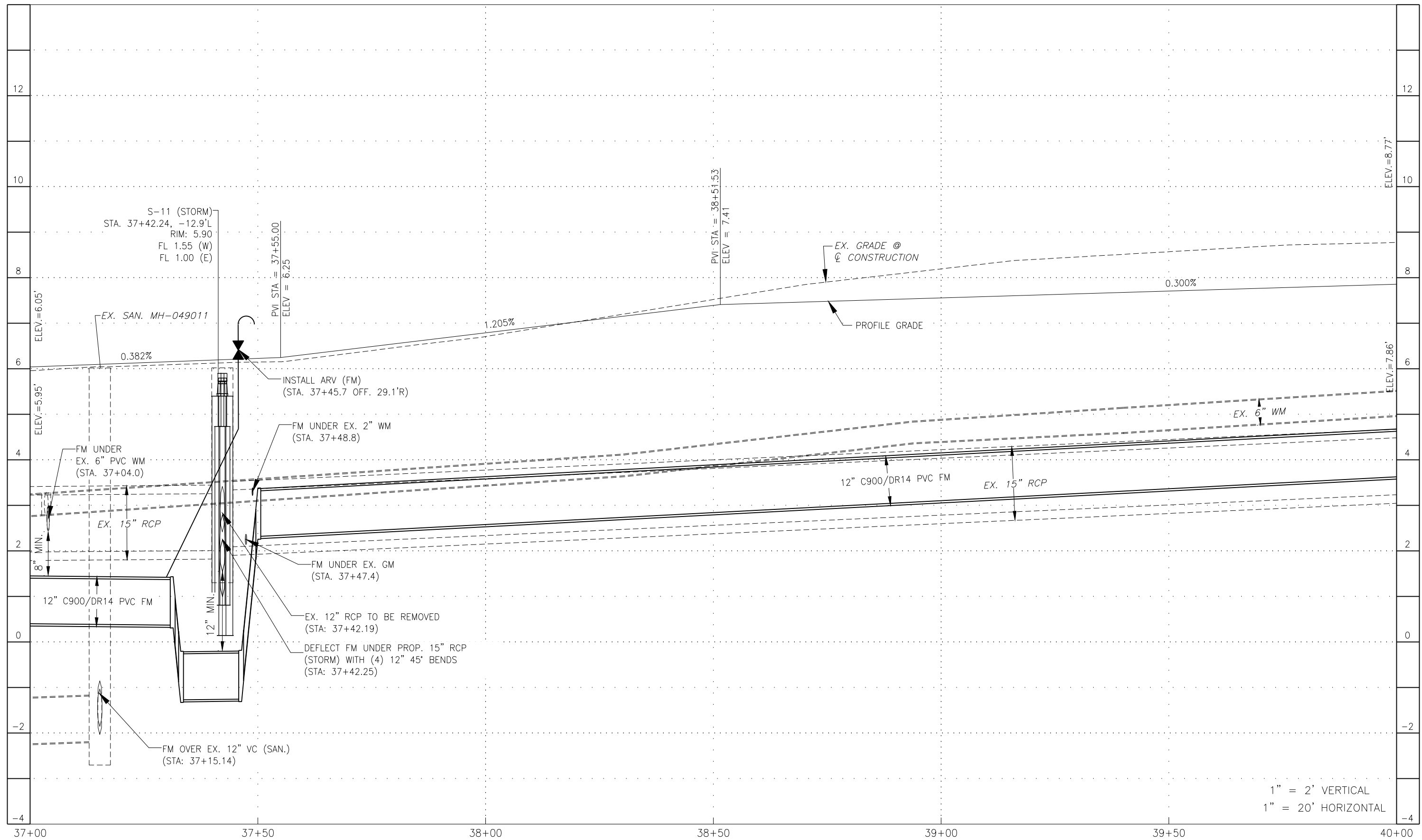
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8th Street Improvements**

PLAN SHEET - 21

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	39 OF 182



1" = 2' VERTICAL  
1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	R.A.K.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 2'	
HORL. 1" = 20'	



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 Bonita Springs, Florida 34134

**8TH STREET IMPROVEMENTS**

PROFILE SHEET - 10  
8TH STREET

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

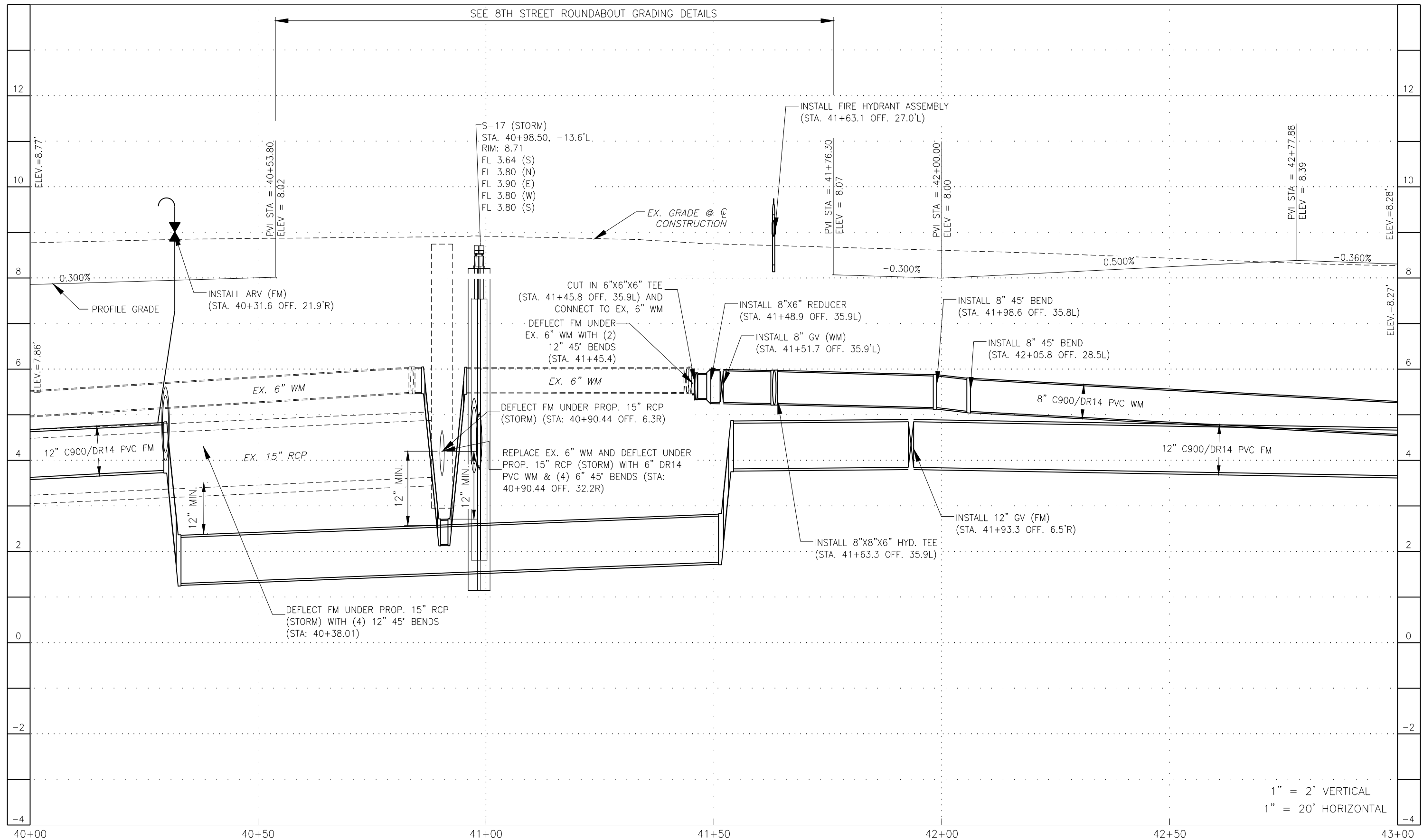
JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% SUBMITTAL
SHEET	81 OF 182

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SEE 8TH STREET ROUNDABOUT GRADING DETAILS



1" = 2' VERTICAL  
1" = 20' HORIZONTAL

LEGEND

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	R.A.K.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 2'	
HORI. 1" = 20'	



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 3800 Via Del Rey  
 Bonita Springs, Florida 34134

**8TH STREET IMPROVEMENTS**

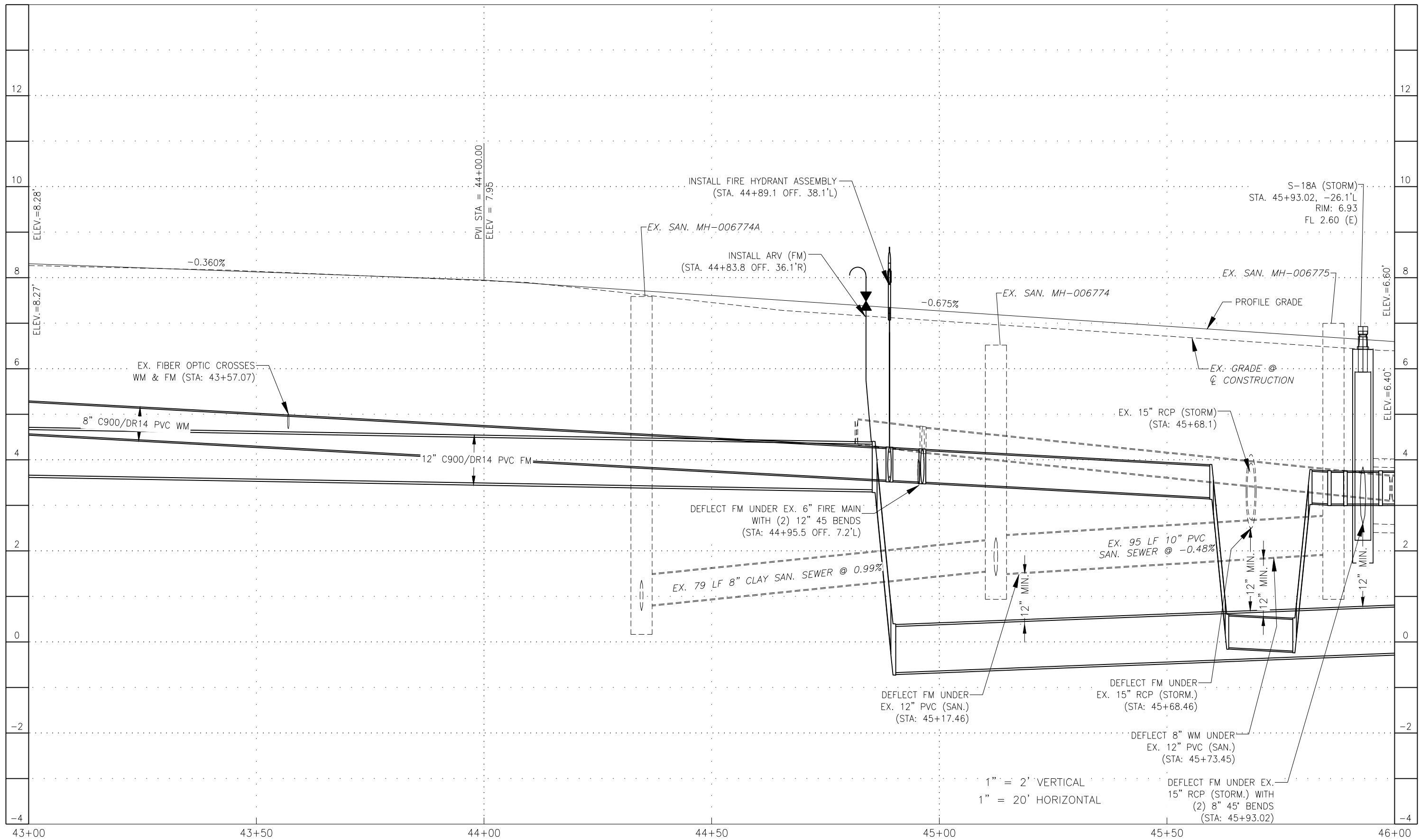
**PROFILE SHEET - 11  
8TH STREET**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% SUBMITTAL
SHEET	82 OF 182

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1" = 2' VERTICAL  
1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
DRAWN BY: R.A.K.  
APPROVED: R.D.F.  
JOB CODE: CN007  
SCALE: VERT. 1" = 2'  
HORI. 1" = 20'



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3800 Via Del Rey  
Bonita Springs, Florida 34134

**8TH STREET IMPROVEMENTS**

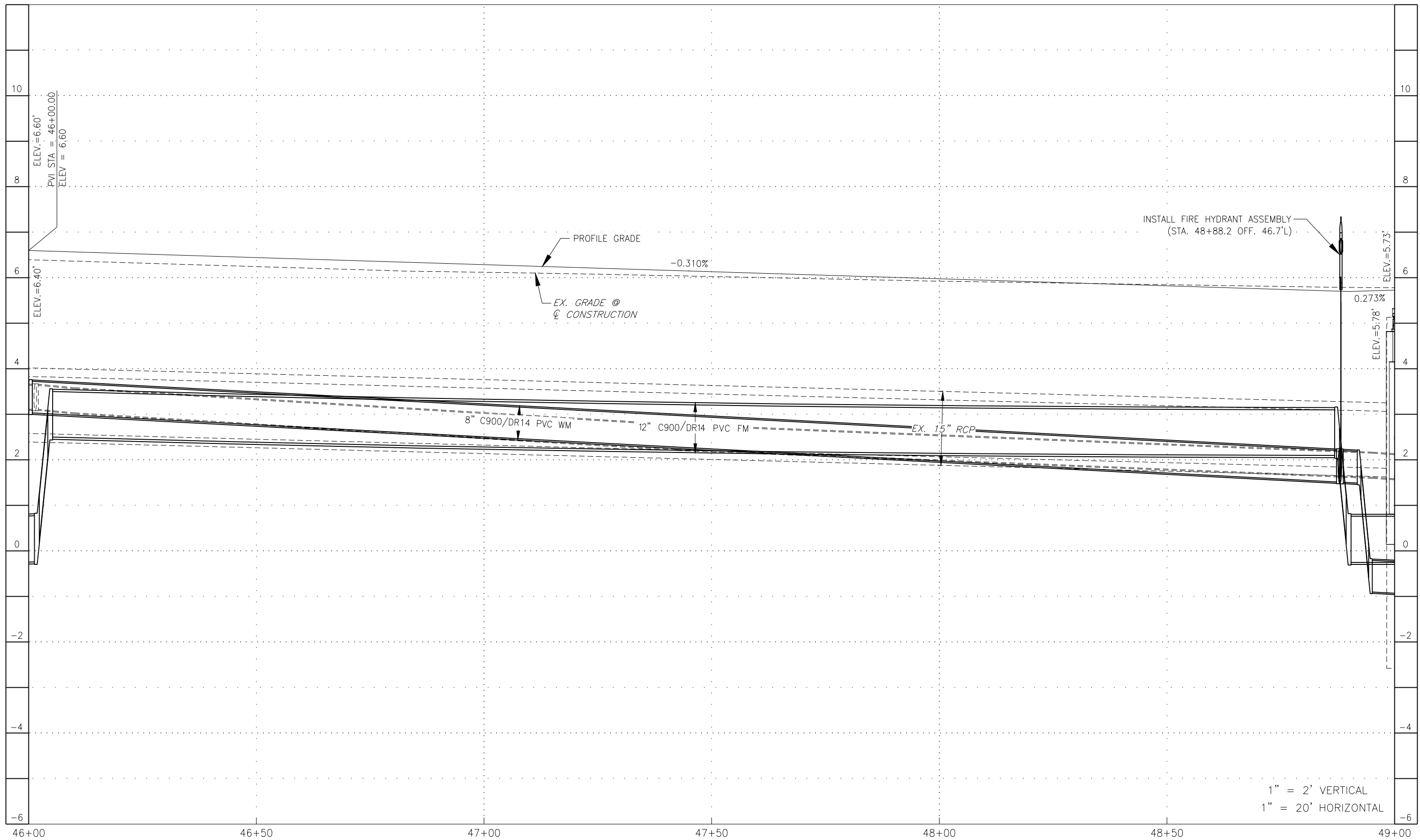
**PROFILE SHEET - 12  
8TH STREET**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

JUSTIN A. FREDERIKSEN, P.E.  
FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY: CITY OF NAPLES  
SEC/TWN/RGE: 34/49S & 3/50S/25E  
DATE: DECEMBER, 2018  
SUBMITTAL TYPE: 100% SUBMITTAL  
SHEET 83 OF 182

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1" = 2' VERTICAL  
1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
 DRAWN BY: R.A.K.  
 APPROVED: R.D.F.  
 JOB CODE: CN007  
 SCALE: VERT. 1" = 2'  
 HORI. 1" = 20'



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 3800 Via Del Rey  
 Bonita Springs, Florida 34134  
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 Business LC 26000266  
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8TH STREET IMPROVEMENTS**

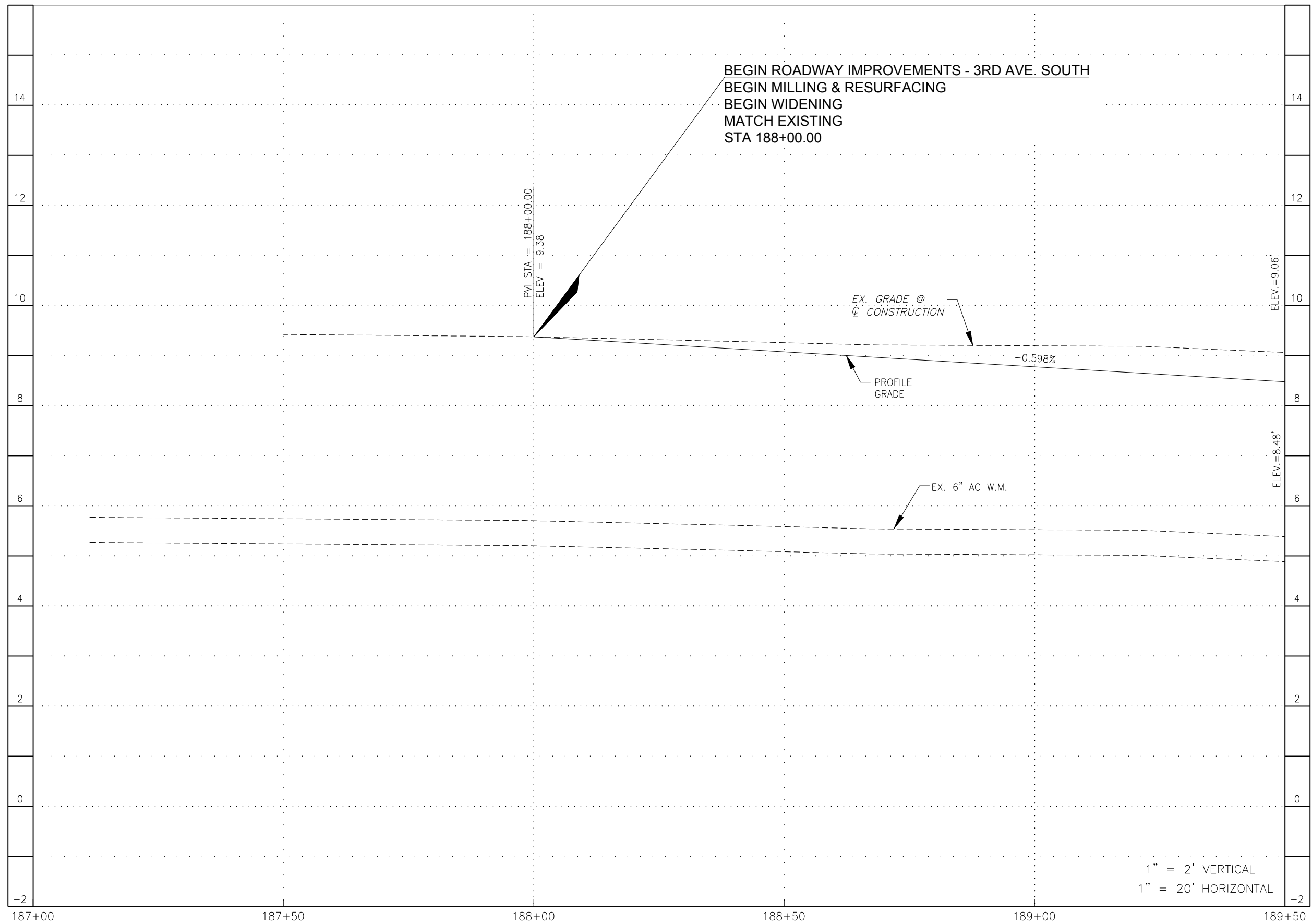
**PROFILE SHEET - 13  
8TH STREET**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY: CITY OF NAPLES  
 SEC./TWN./RGE: 34/49S & 3/50S/25E  
 DATE: DECEMBER, 2018  
 SUBMITTAL TYPE: 100% SUBMITTAL  
 SHEET 84 OF 182

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1" = 2' VERTICAL  
1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
DRAWN BY: R.A.K.  
APPROVED: R.D.F.  
JOB CODE: CN007  
SCALE: VERT. 1" = 2'  
HORI. 1" = 20'



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Q. Grady Minor and Associates, P.A.  
3800 Via Del Rey  
Bonita Springs, Florida 34134

**8TH STREET IMPROVEMENTS**

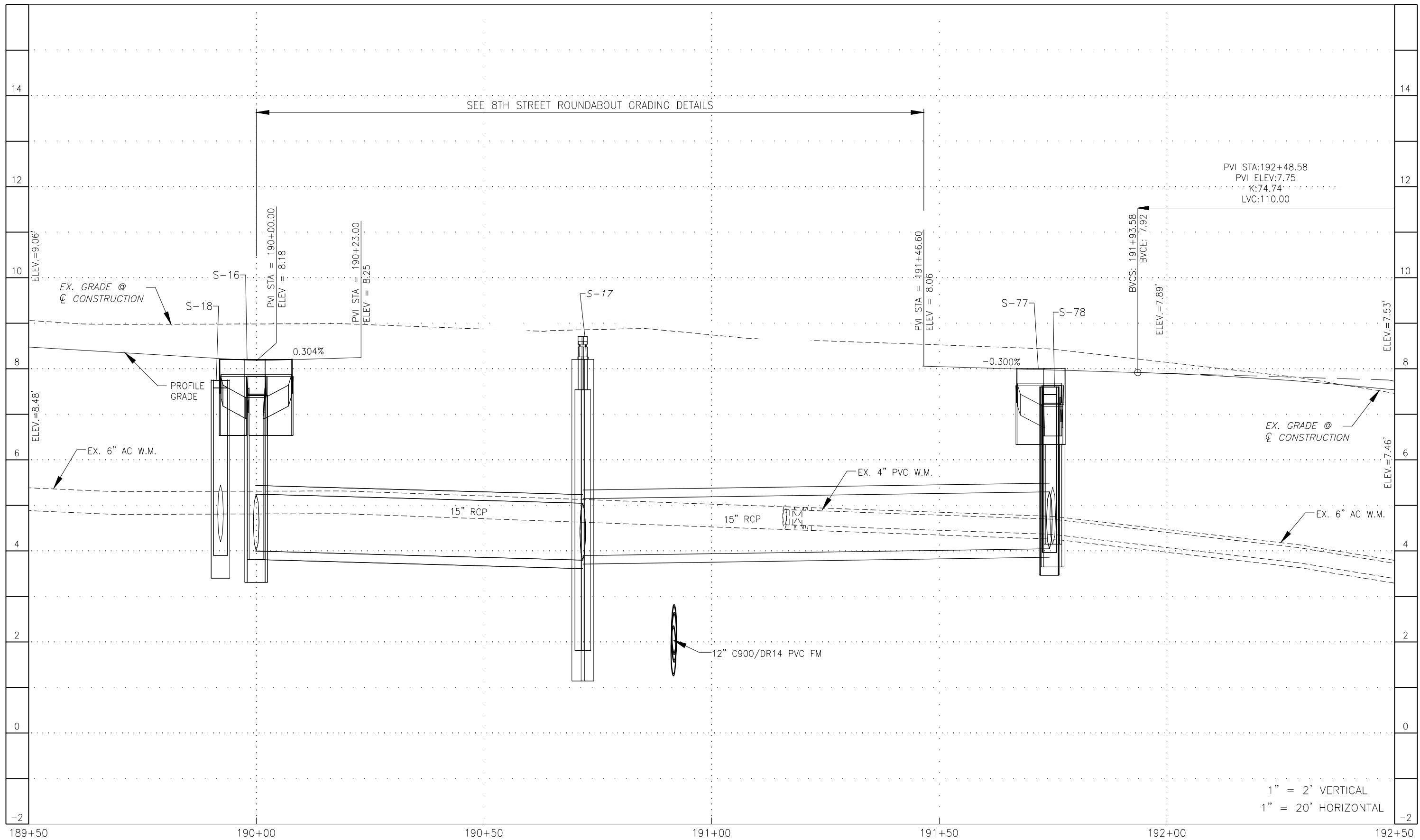
PROFILE SHEET - 27  
3RD AVENUE SOUTH

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

JUSTIN A. FREDERIKSEN, P.E.  
FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY: CITY OF NAPLES  
SEC/TWN/RGE: 34/49S & 3/50S/25E  
DATE: DECEMBER, 2018  
SUBMITTAL TYPE: 100% SUBMITTAL  
SHEET 98 OF 182

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**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	R.A.K.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 2'	
HORL. 1" = 20'	



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Q. Grady Minor and Associates, P.A.  
 3800 Via Del Rey  
 Bonita Springs, Florida 34134

**8TH STREET IMPROVEMENTS**

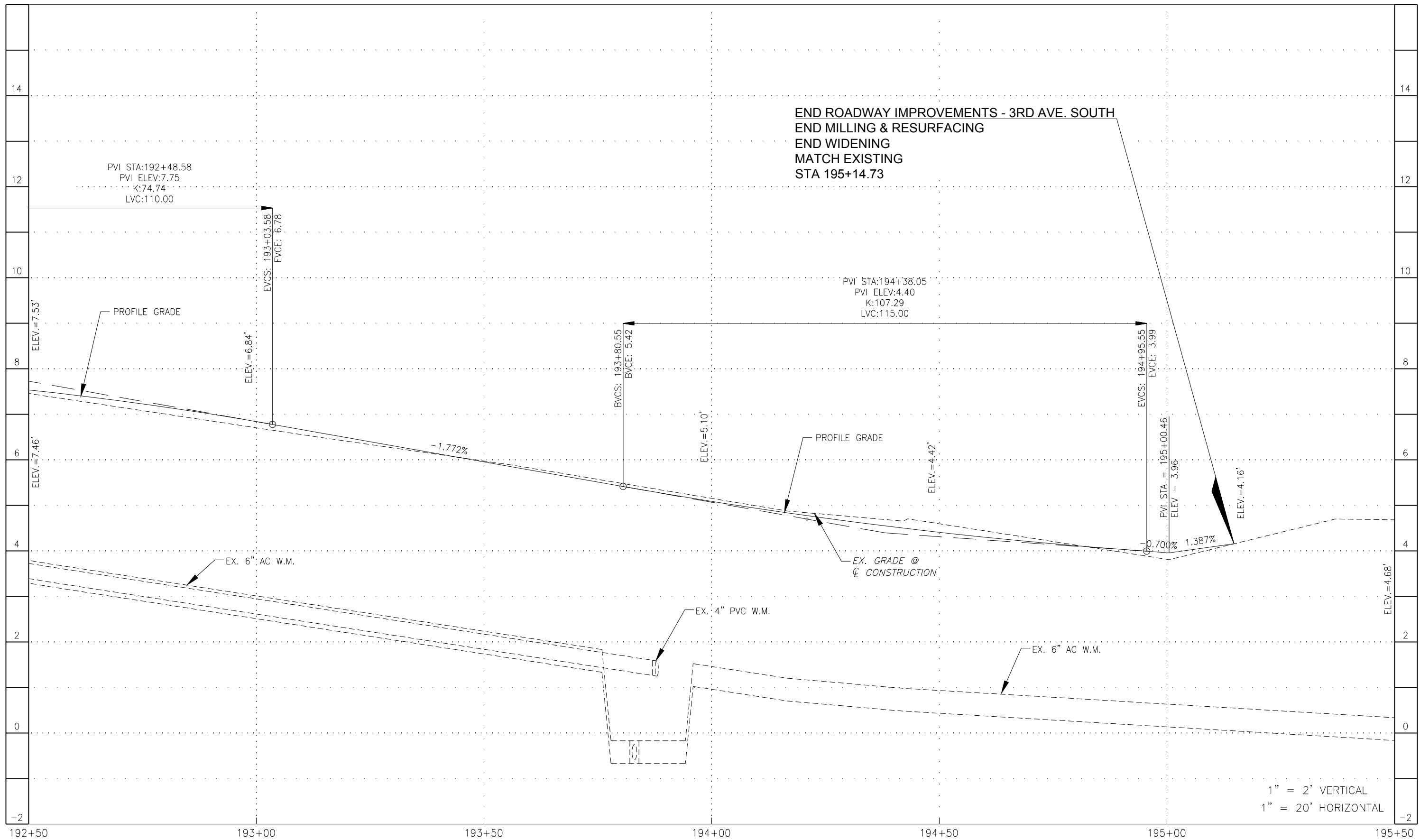
PROFILE SHEET - 27A  
 3RD AVENUE SOUTH

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% SUBMITTAL
SHEET	98A OF 182

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**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	R.A.K.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 2'	
HORL. 1" = 20'	



**Q. Grady Minor and Associates, P.A.**  
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 Bonita Springs, Florida 34134

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Bonita Springs: 239.947.1144 [www.GradyMinor.com](http://www.GradyMinor.com) Fort Myers: 239.690.4380

**8TH STREET IMPROVEMENTS**

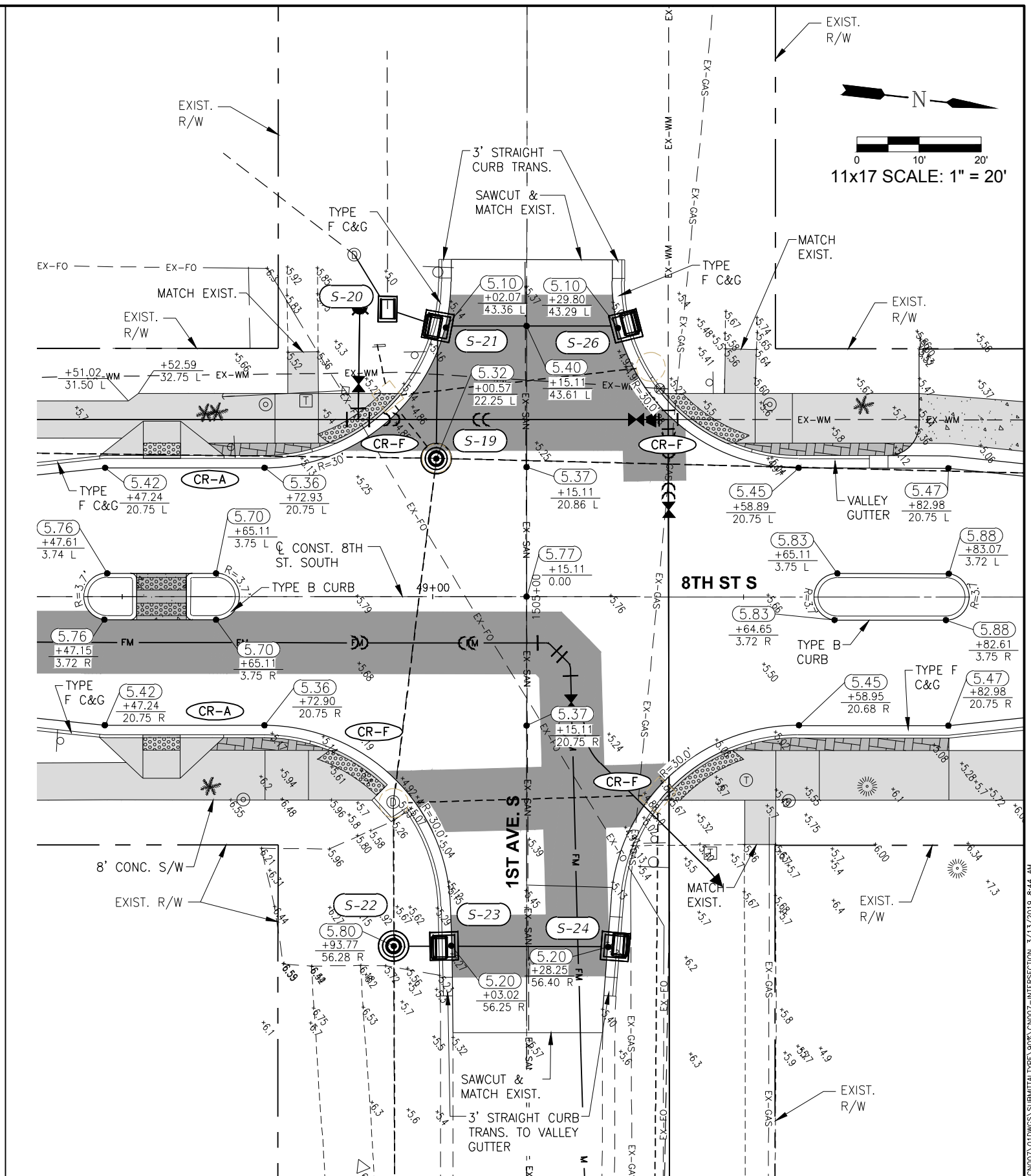
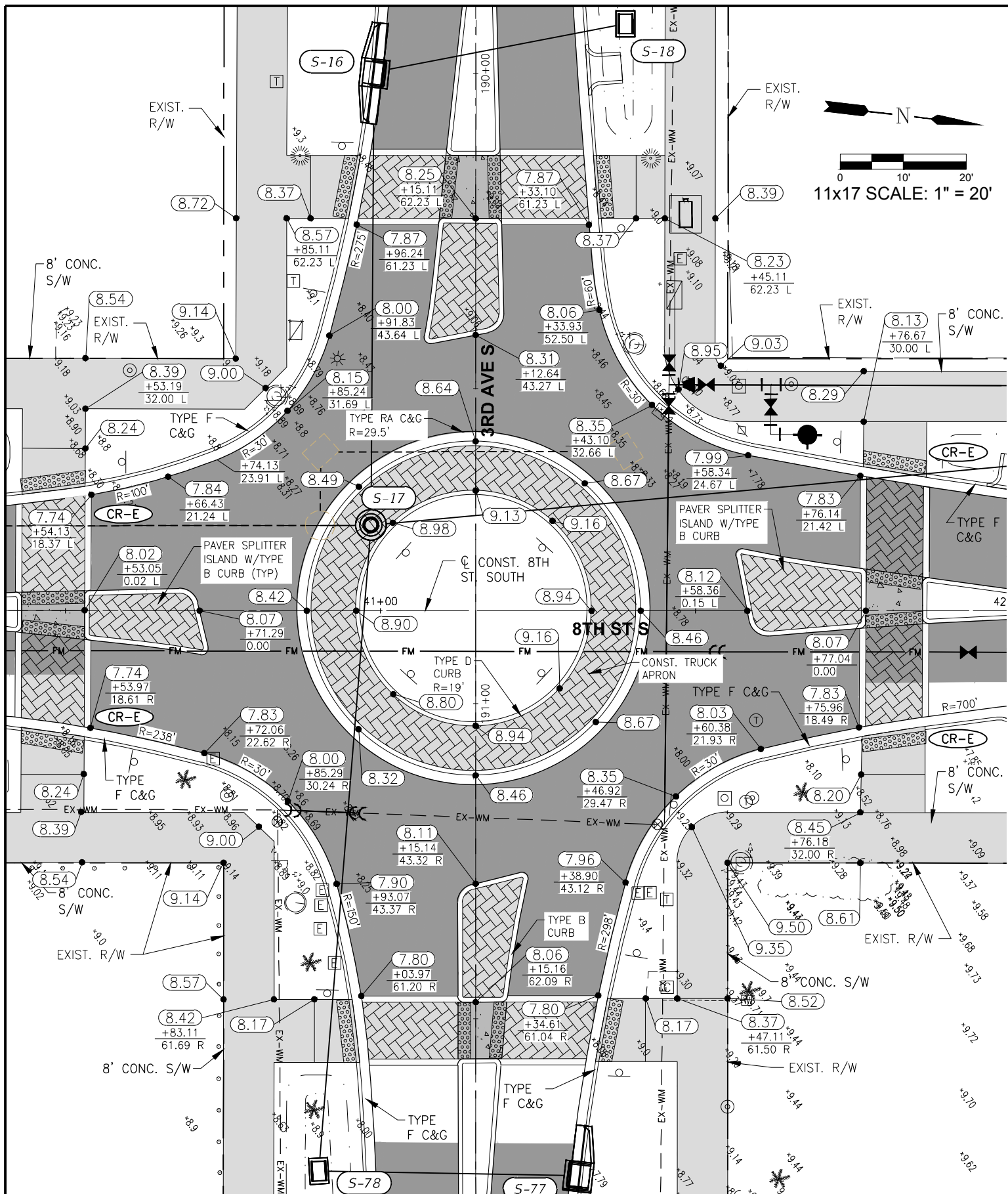
**PROFILE SHEET - 28**  
**3RD AVENUE SOUTH**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% SUBMITTAL
SHEET	99 OF 182

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**LEGEND**

	PROPOSED WIDENING
	PROPOSED PAVER RECONSTRUCTION
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

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Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8th Street Improvements**

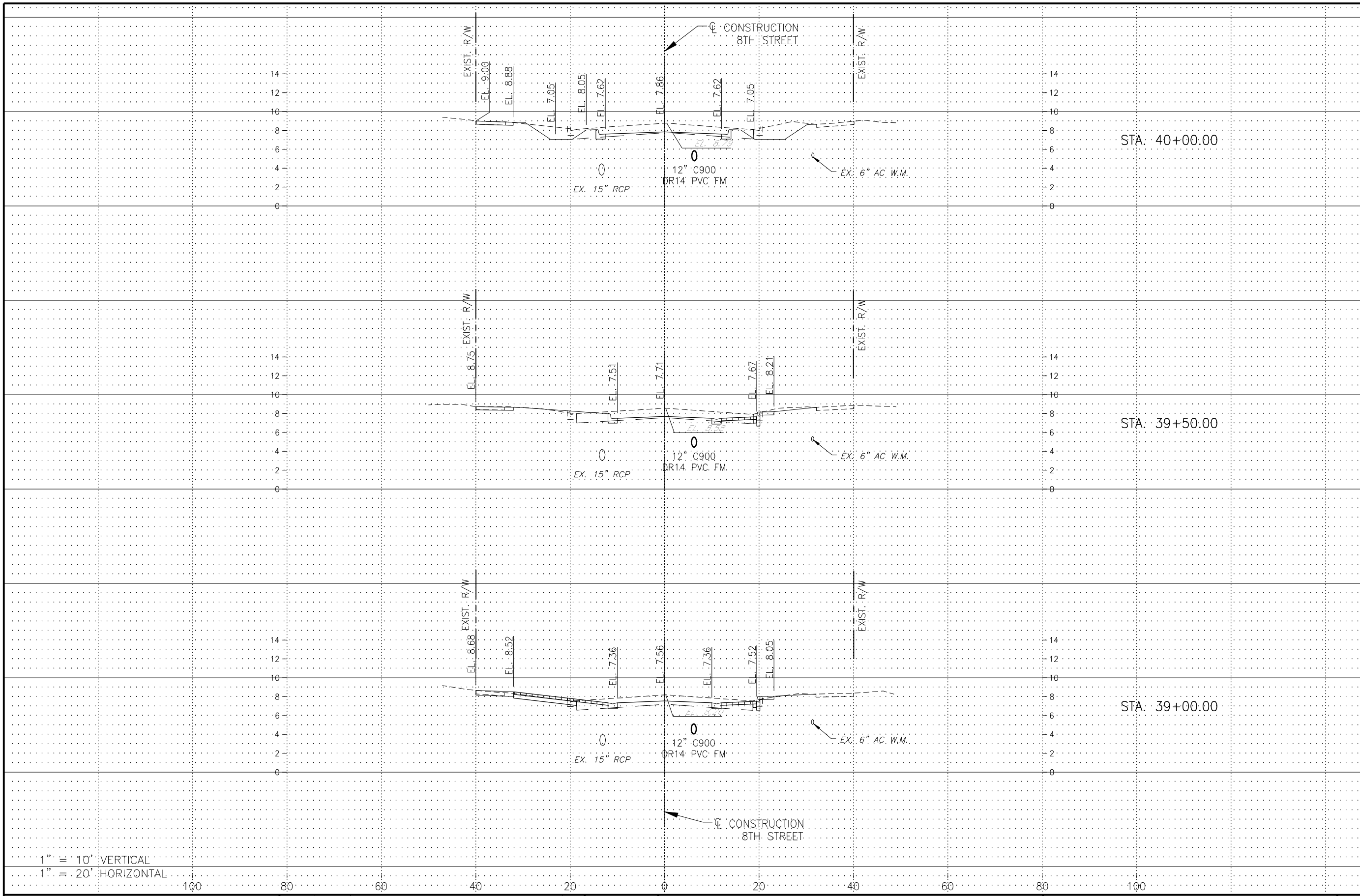
INTERSECTION GRADING DETAILS - 2

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY: CITY OF NAPLES  
 SEC/TWN/RGE: 34/49S & 3/50S/29E  
 DATE: DECEMBER, 2018  
 SUBMITTAL TYPE: 100% SUBMITTAL  
 SHEET 105 OF 182

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205





REGULAR EXC.		EMBANKMENT	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
5		2	
	6		21
2		21	
	3		19
1		0	
	6		19

1" = 10' VERTICAL  
1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
DRAWN BY: D.M.S.  
APPROVED: R.D.F.  
JOB CODE: CN007  
SCALE: VERT. 1" = 10'  
HORI. 1" = 20'



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Fort Myers: 239.690.4380  
www.GradyMinor.com

**8TH STREET IMPROVEMENTS**

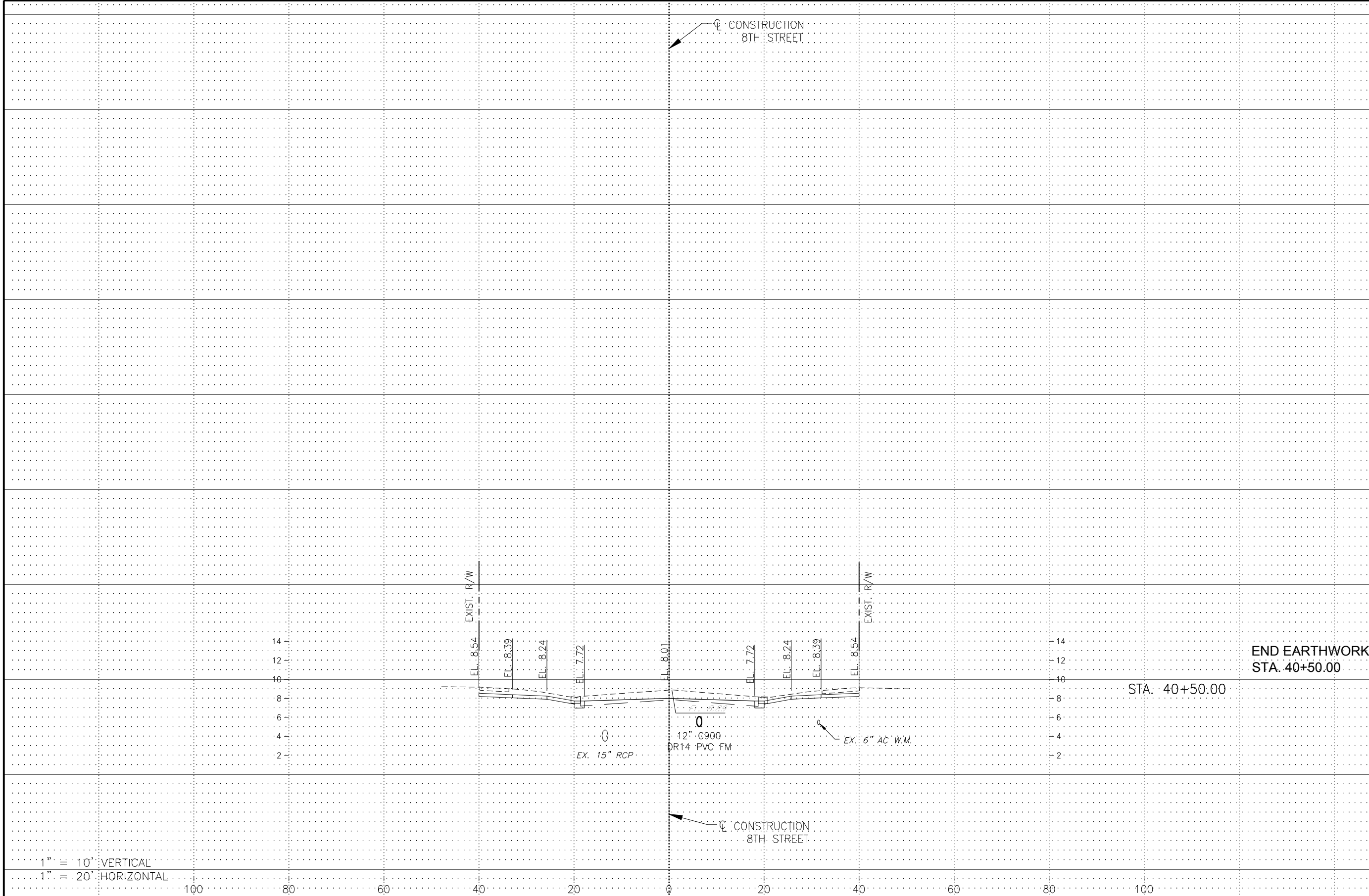
**CROSS SECTIONS - 5  
8TH STREET**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES  
SEC/TWN/RGE: 34/49S & 3/50S/25E  
DATE: DECEMBER, 2018  
SUBMITTAL TYPE: 100% PLANS  
SHEET 126 OF 182

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1" = 10' VERTICAL  
1" = 20' HORIZONTAL

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 10'	
HORI. 1" = 20'	

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Bonita Springs: 239.947.1144     www.GradyMinor.com     Fort Myers: 239.690.4380

**8TH STREET IMPROVEMENTS**

CROSS SECTIONS - 6  
8TH STREET

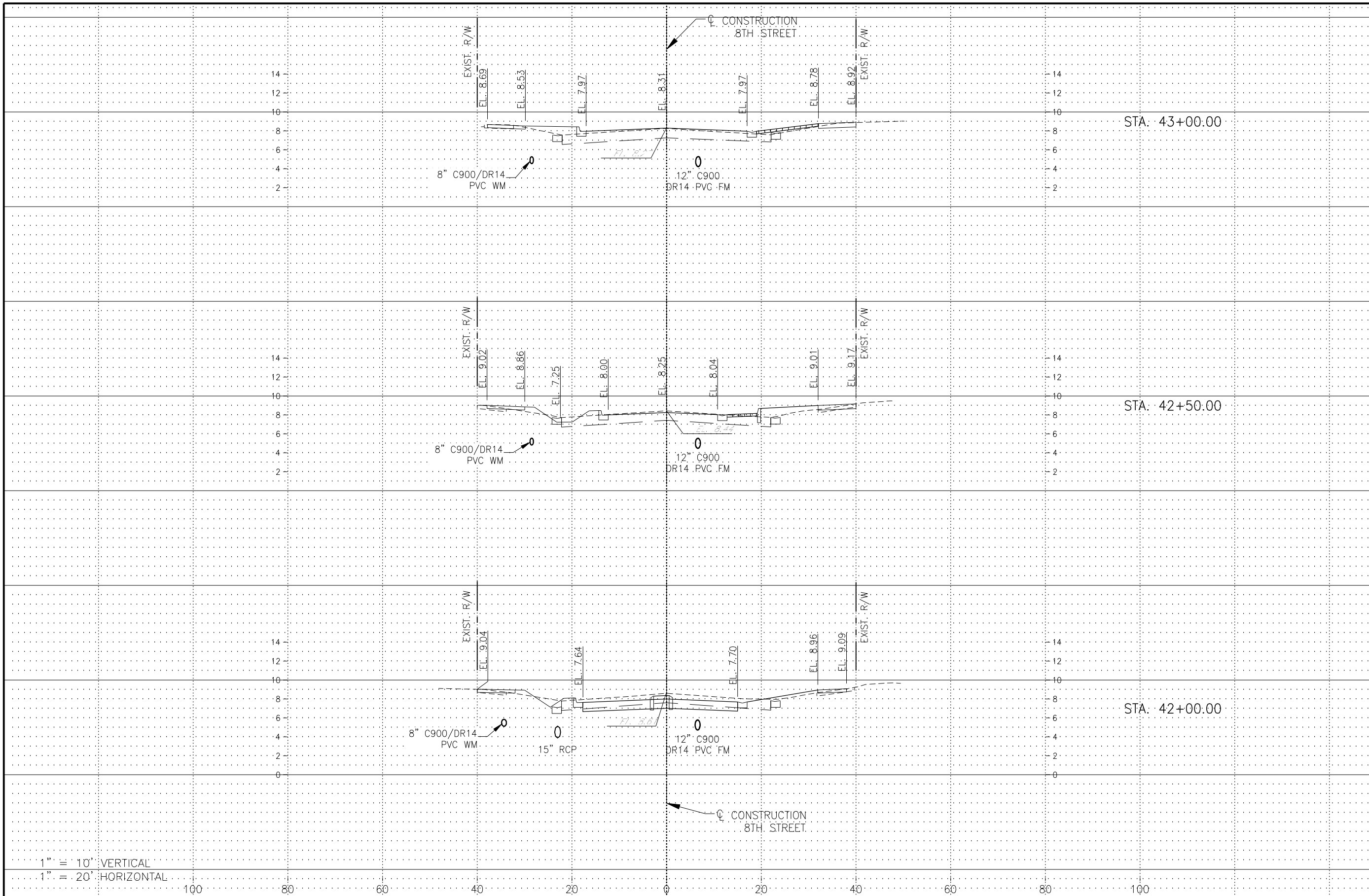
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	127 OF 182

REGULAR EXC.	EMBANKMENT	AREA	VOL.	AREA	VOL.
		SF	CY	SF	CY
12	21				
16	21				

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REGULAR EXC.		EMBANKMENT	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
3		2	
	5		2
2		0	
	3		9
1		10	
	3		13

1" = 10' VERTICAL  
 1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
 DRAWN BY: D.M.S.  
 APPROVED: R.D.F.  
 JOB CODE: CN007  
 SCALE: VERT. 1" = 10'  
 HORI. 1" = 20'

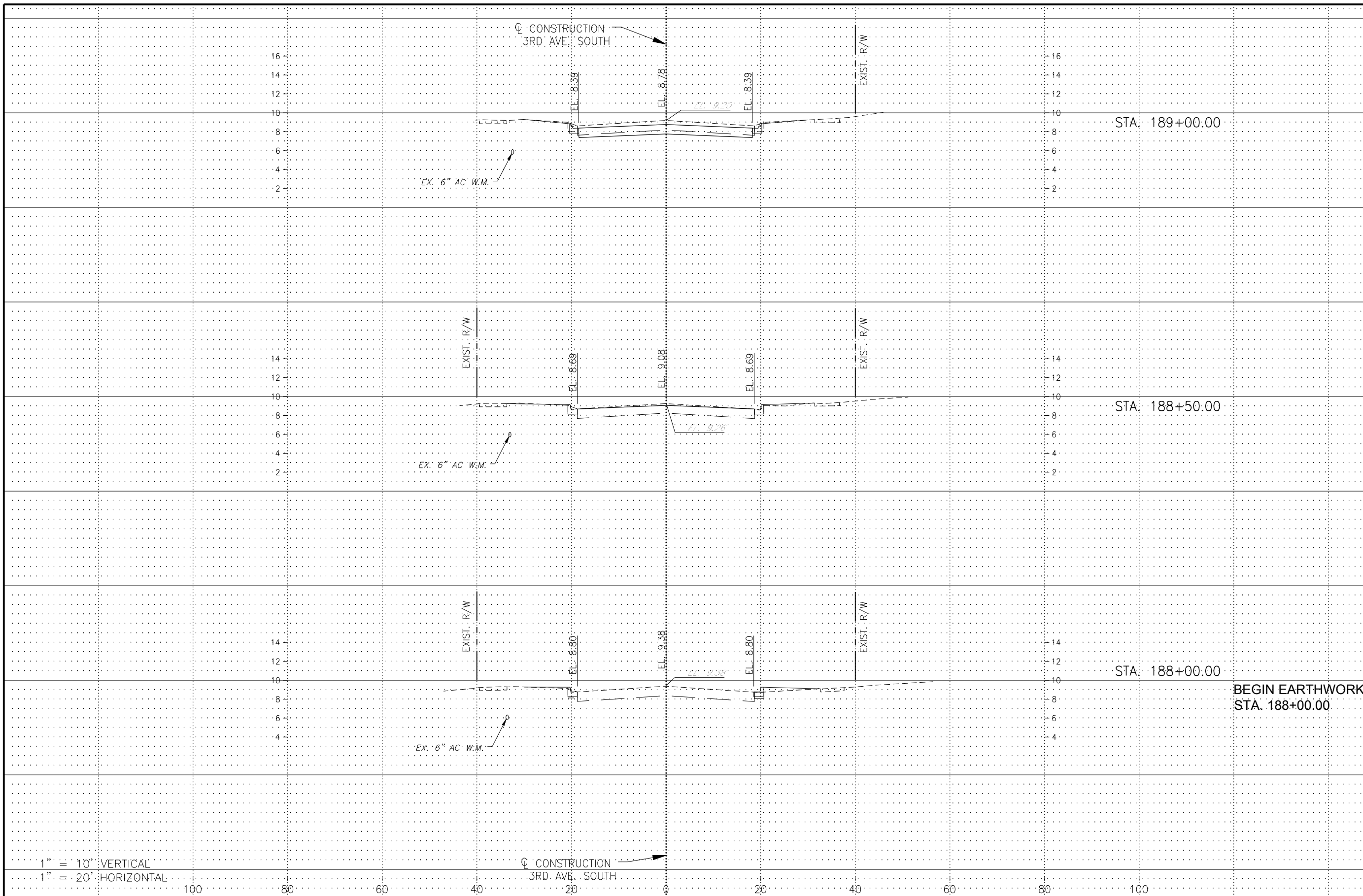
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**8TH STREET IMPROVEMENTS**  
 CROSS SECTIONS - 7  
 8TH STREET  
 ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES  
 SEC/TWN/RGE: 34/49S & 3/50S/25E  
 DATE: DECEMBER, 2018  
 SUBMITTAL TYPE: 100% PLANS  
 SHEET 128 OF 182

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REGULAR EXC.		EMBANKMENT	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
6		3	
	17		3
12	2	0	0
0		0	
0		0	
0		0	
0		0	
0		0	

1" = 10' VERTICAL  
 1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
 DRAWN BY: D.M.S.  
 APPROVED: R.D.F.  
 JOB CODE: CN007  
 SCALE: VERT. 1" = 10'  
 HORI. 1" = 20'



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 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8TH STREET IMPROVEMENTS**

CROSS SECTIONS - 1  
 3RD AVE. SOUTH

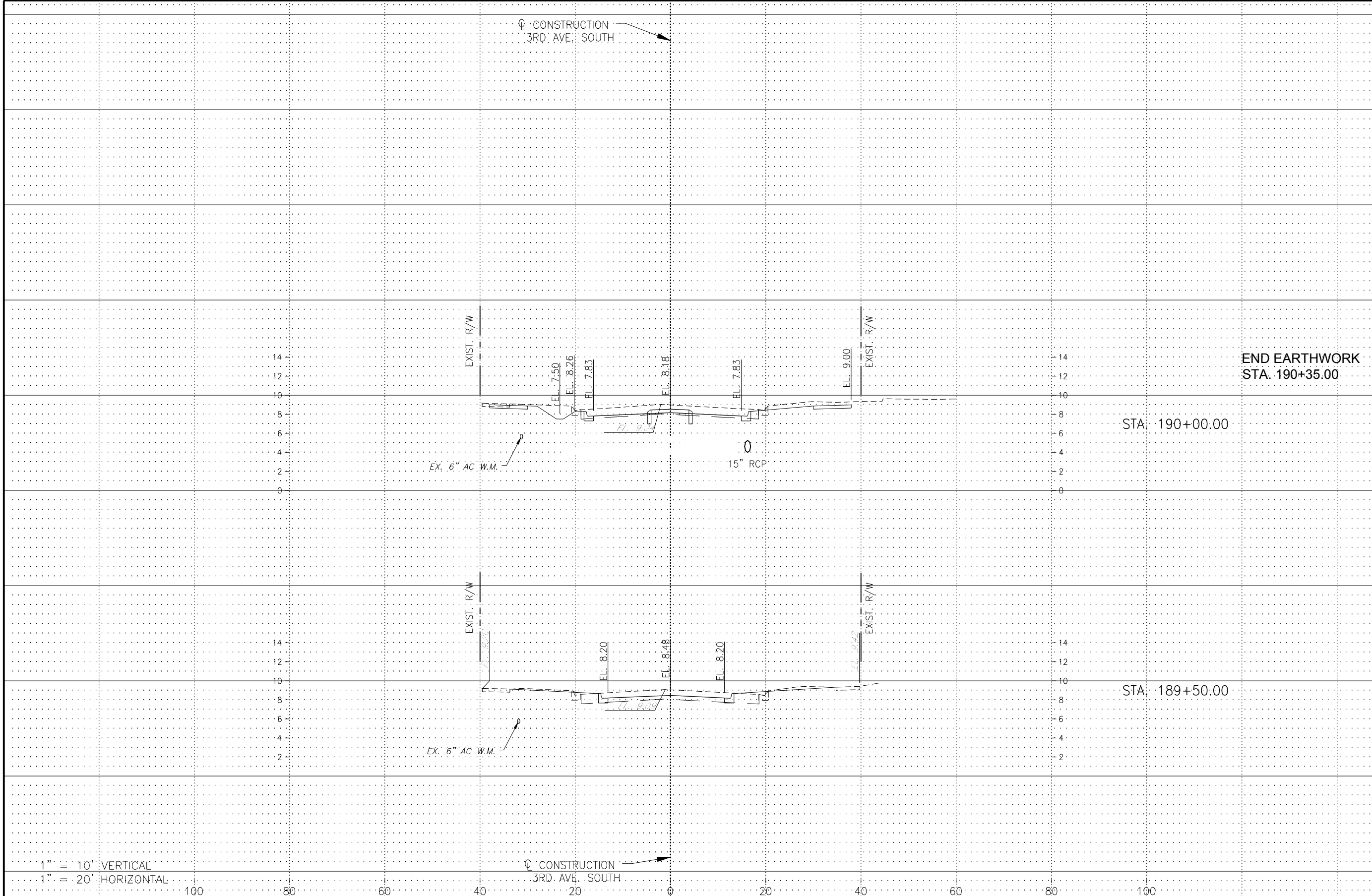
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES  
 SEC/TWN/RGE: 34/49S & 3/50S/25E  
 DATE: 100%  
 SUBMITTAL TYPE: 100% PLANS  
 SHEET 157 OF 182

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REGULAR EXC.		EMBANKMENT	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0	0	0	0
0	0	0	0
0	0	0	0



1" = 10' VERTICAL  
 1" = 20' HORIZONTAL

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 10'	
HORL. 1" = 20'	

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**8TH STREET IMPROVEMENTS**

CROSS SECTIONS - 1A  
 3RD AVE. SOUTH

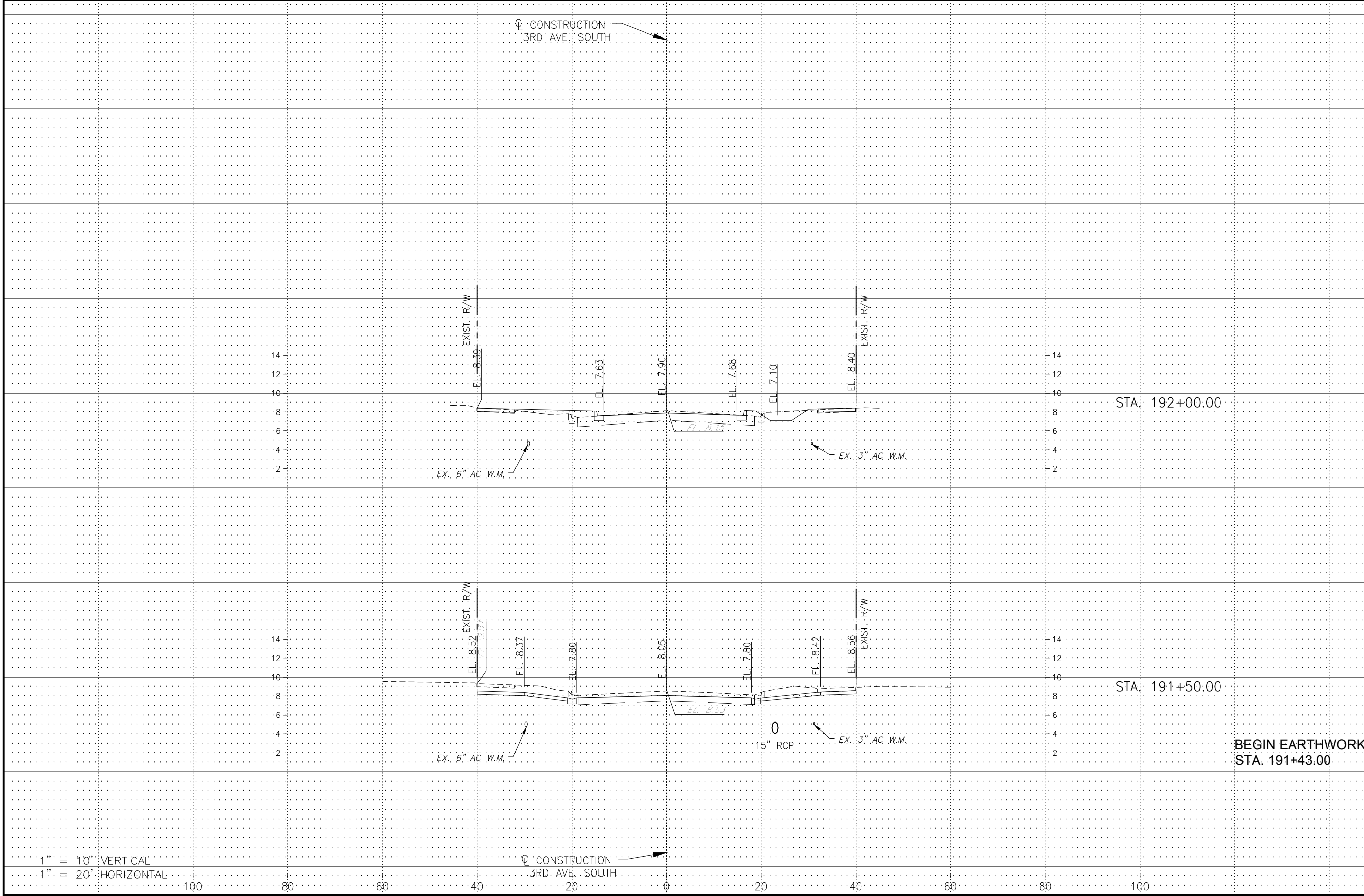
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY:  
 CITY OF NAPLES  
 SEC/TWN/RGE:  
 34/49S & 3/50S/25E  
 DATE:  
 100%  
 SUBMITTAL TYPE:  
 100% PLANS  
 SHEET 157A0P 182

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REGULAR EXC.		EMBANKMENT	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
6		3	
17		3	
12		0	
2		0	
0		0	



1" = 10' VERTICAL  
 1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
 DRAWN BY: D.M.S.  
 APPROVED: R.D.F.  
 JOB CODE: CN007  
 SCALE: VERT. 1" = 10'  
 HORI. 1" = 20'

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**8TH STREET IMPROVEMENTS**

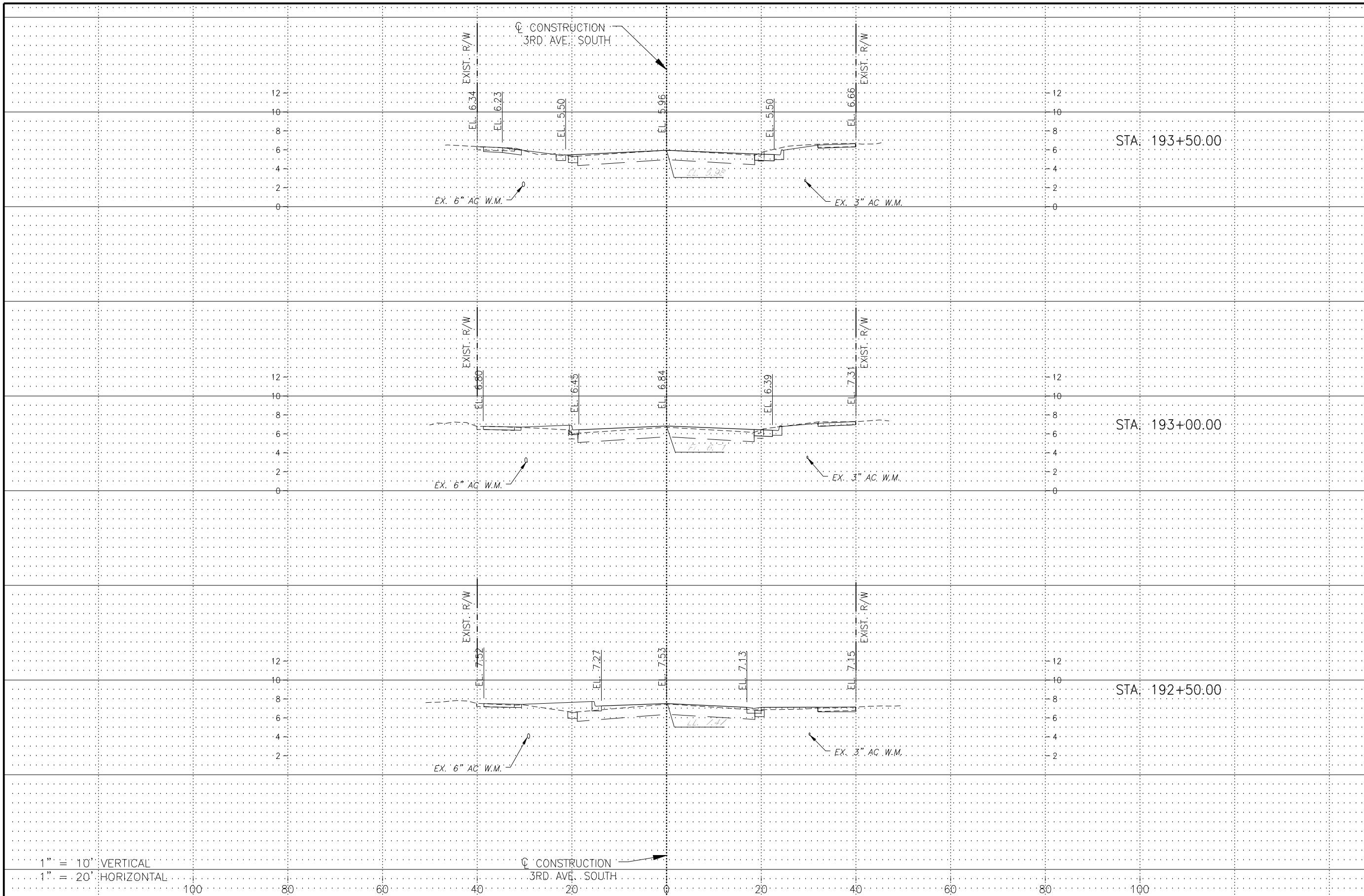
CROSS SECTIONS - 1B  
 3RD AVE. SOUTH

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES  
 SEC/TWN/RGE: 34/49S & 3/50S/25E  
 DATE: 100%  
 SUBMITTAL TYPE: 100% PLANS  
 SHEET 157B0F 182

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REGULAR	EXC.		EMBANKMENT	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
19			0	
		26		2
9			2	
		10		4
2			2	
		7		5

1" = 10' VERTICAL  
 1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
 DRAWN BY: D.M.S.  
 APPROVED: R.D.F.  
 JOB CODE: CN007  
 SCALE: VERT. 1" = 10'  
 HORI. 1" = 20'



**Q. Grady Minor and Associates, P.A.**  
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 Bonita Springs, Florida 34134  
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 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LG 26000266  
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8TH STREET IMPROVEMENTS**

CROSS SECTIONS - 2  
 3RD AVE. SOUTH

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

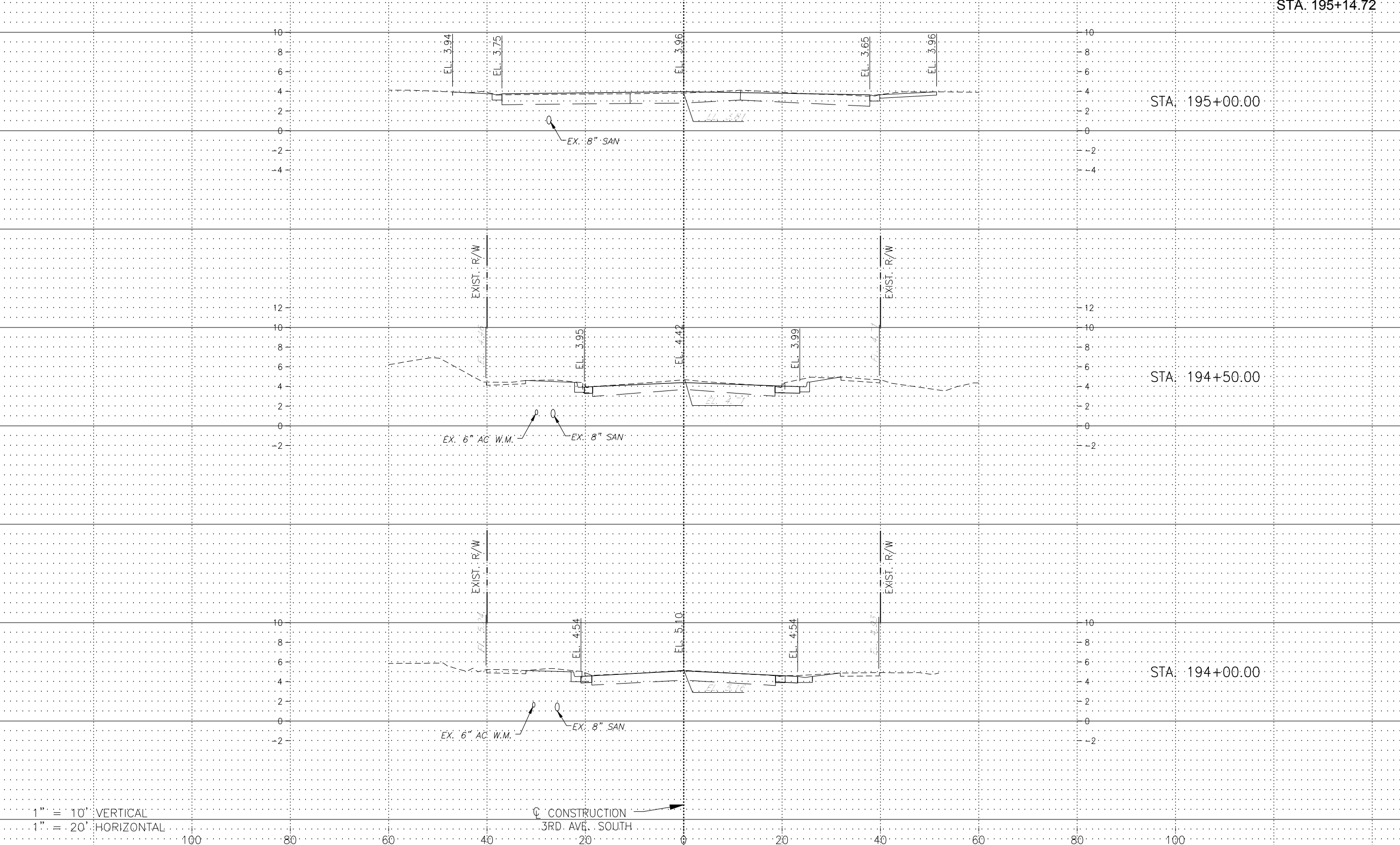
R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES  
 SEC/TWN/RGE: 34/49S & 3/50S/25E  
 DATE: DECEMBER, 2018  
 SUBMITTAL TYPE: 100% PLANS  
 SHEET 158 OF 182

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SUMMARY OF EARTHWORK		
DESCRIPTION	CY	
	REGULAR EXCAVATION	EMBANKMENT
3RD AVENUE SOUTH	125	14



REGULAR EXC.	EMBANKMENT			
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
0		0		0
7		0		0
14		0		0
8		0		0
19		0		0
12		0		0
29		0		0

END EARTHWORK  
STA. 195+14.72

STA. 195+00.00

STA. 194+50.00

STA. 194+00.00

Q CONSTRUCTION  
3RD AVE. SOUTH

Q CONSTRUCTION  
3RD AVE. SOUTH

1" = 10' VERTICAL  
1" = 20' HORIZONTAL

**LEGEND**

Revision	Date	Description	By
1	02/19	PER FDOT RAI LETTER DATED 1/11/2019	D.M.S.

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 10'	
HORI. 1" = 20'	

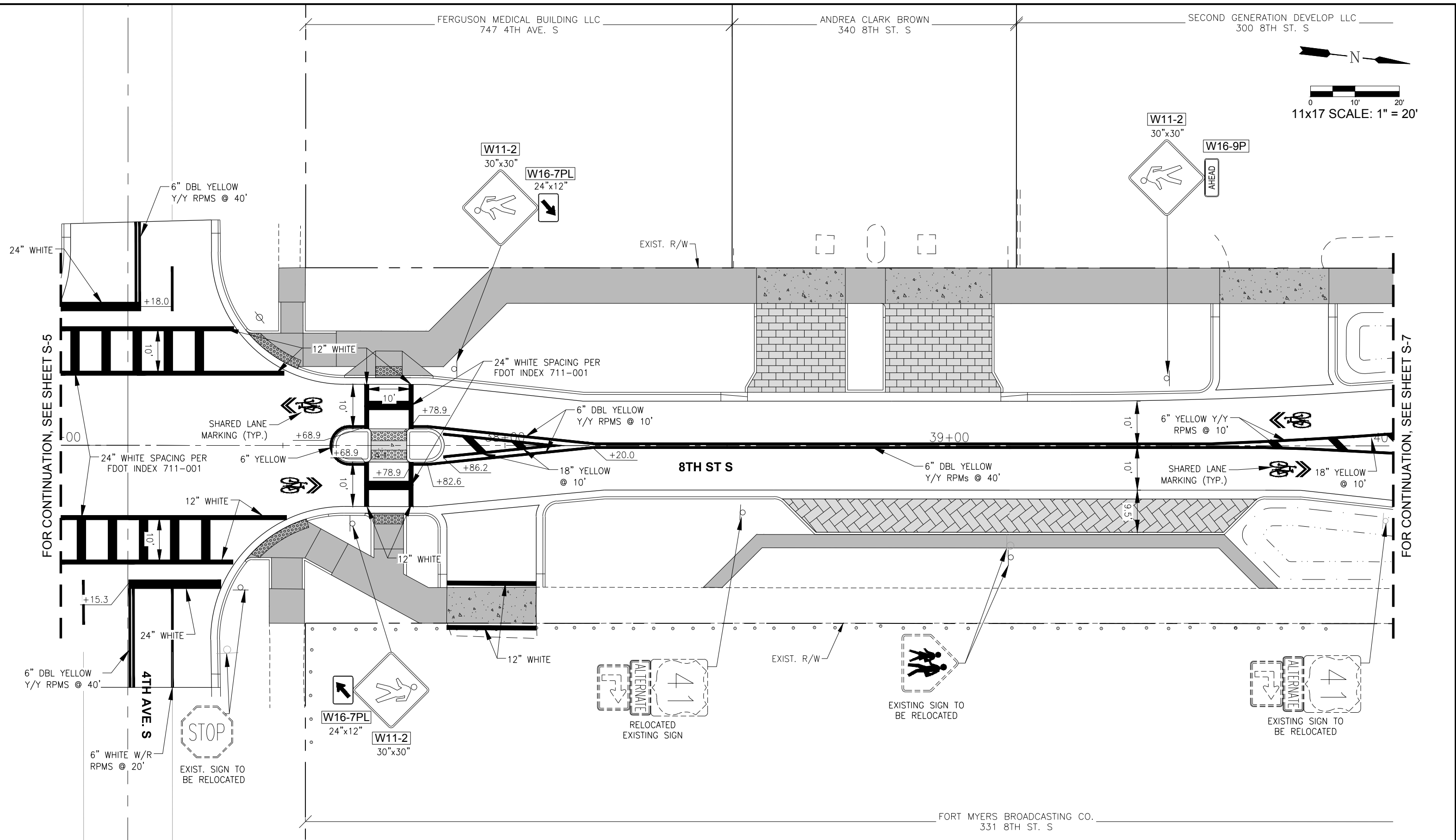
**GradyMinor**  
 Q. Grady Minor and Associates, P.A.  
 3800 Via Del Rey  
 Bonita Springs, Florida 34134  
 Civil Engineers • Land Surveyors • Planners • Landscape Architects  
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151  
 Business LG 26000266  
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8TH STREET IMPROVEMENTS**  
 CROSS SECTIONS - 3  
 3RD AVE. SOUTH  
 ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:  
CITY OF NAPLES  
 SEC/TWN/RGE:  
34/49S & 3/50S/25E  
 DATE:  
DECEMBER, 2018  
 SUBMITTAL TYPE:  
100% PLANS  
 SHEET 159 OF 182

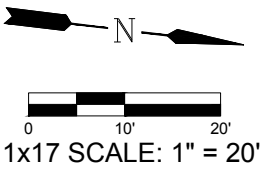
R. DANIEL FLYNN, P.E.  
FLORIDA P.E. LICENSE NO. 76205

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FOR CONTINUATION, SEE SHEET S-5

FOR CONTINUATION, SEE SHEET S-7



**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**GradyMinor**  
 Q. Grady Minor and Associates, P.A.  
 3800 Via Del Rey  
 Bonita Springs, Florida 34134

Civil Engineers • Land Surveyors • Planners • Landscape Architects  
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Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8th Street Improvements**

**SIGNING & PAVEMENT MARKING PLAN**  
**SHEET - 3**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

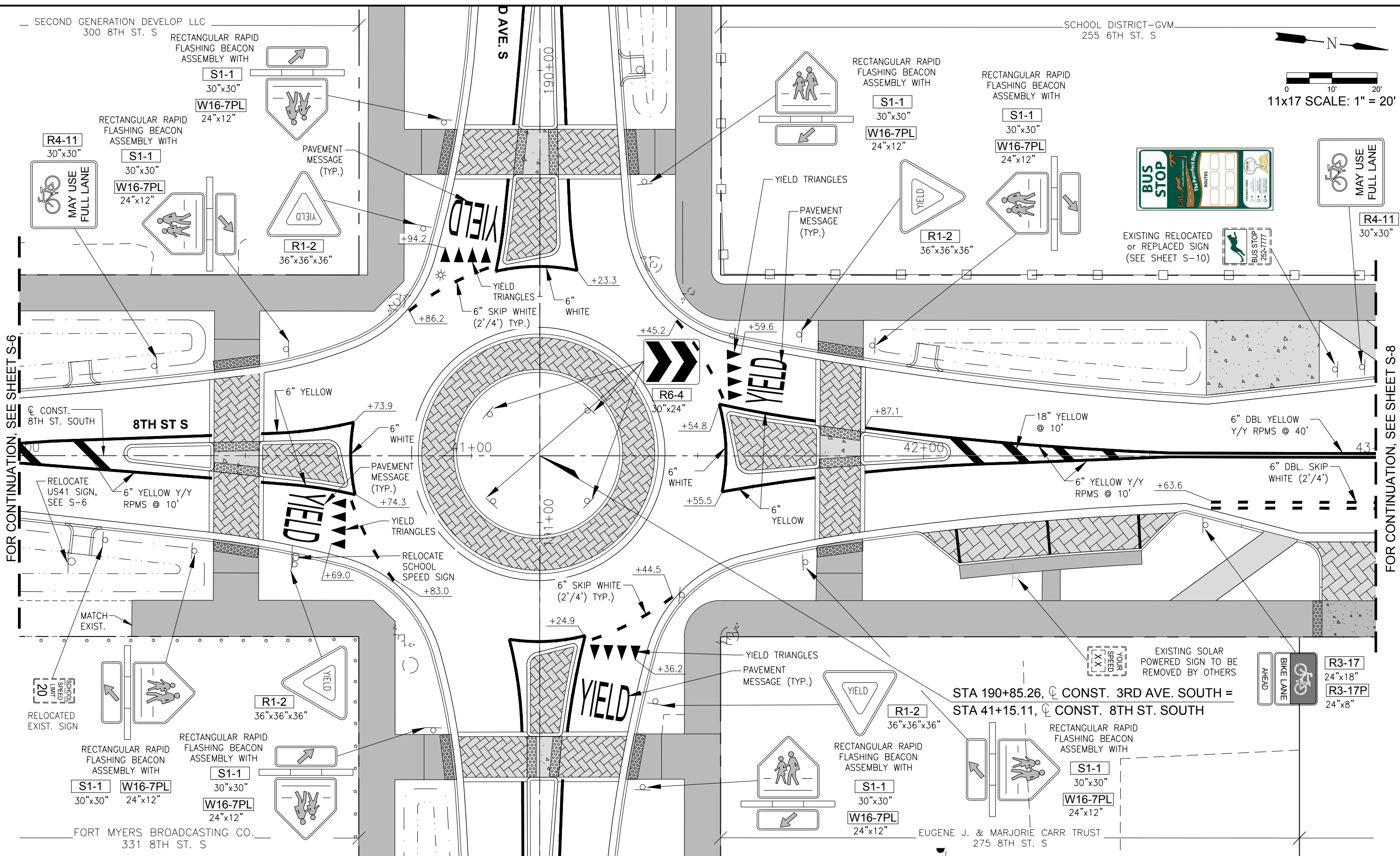
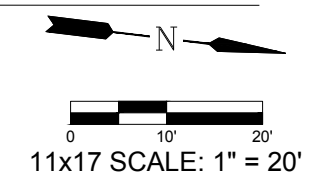
MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% SUBMITTAL
SHEETS - 6 OF 25	

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

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SECOND GENERATION DEVELOP LLC  
300 8TH ST. S

SCHOOL DISTRICT-GVM  
255 6TH ST. S



FOR CONTINUATION, SEE SHEET S-6

FOR CONTINUATION, SEE SHEET S-8

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
DRAWN BY: D.M.S.  
APPROVED: R.D.F.  
JOB CODE: CN007  
SCALE: 11x17" = 20'

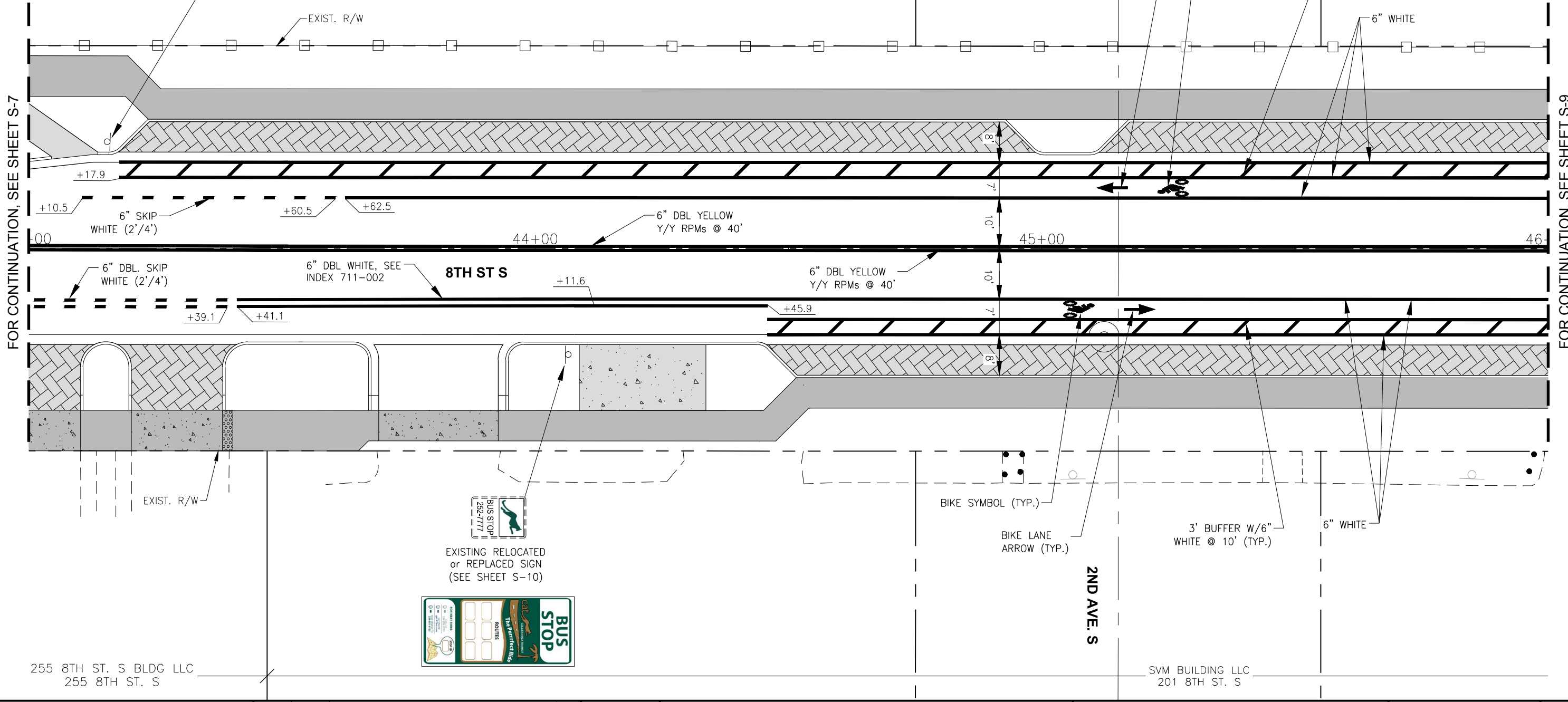
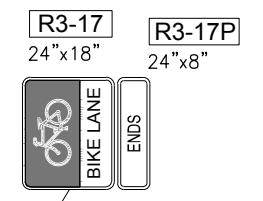
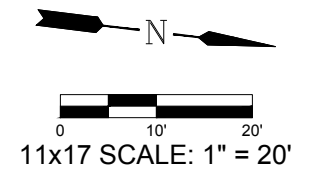
**GradyMinor**  
Civil Engineers • Land Surveyors • Planners • Landscape Architects  
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8th Street Improvements**  
SIGNING & PAVEMENT MARKING PLAN  
SHEET - 4  
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES  
SBC/TWN/RGE: 34/49S & 3/50S/25E  
DATE: DECEMBER, 2018  
SUBMITTAL TYPE: 100% SUBMITTAL  
SHEET S-7 OF 25

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FOR CONTINUATION, SEE SHEET S-7

FOR CONTINUATION, SEE SHEET S-9

255 8TH ST. S BLDG LLC  
255 8TH ST. S

EXISTING RELOCATED  
or REPLACED SIGN  
(SEE SHEET S-10)



SVM BUILDING LLC  
201 8TH ST. S

**LEGEND**

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
DRAWN BY: D.M.S.  
APPROVED: R.D.F.  
JOB CODE: CN007  
SCALE: 11x17 1" = 20'

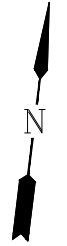
**GradyMinor**  
Civil Engineers • Land Surveyors • Planners • Landscape Architects  
3800 Via Del Rey, Bonita Springs, Florida 34134  
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LG 26000266  
Fort Myers: 239.690.4380

**8th Street Improvements**  
SIGNING & PAVEMENT MARKING PLAN  
SHEET - 5  
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
FLORIDA P.E. LICENSE NO. 76205

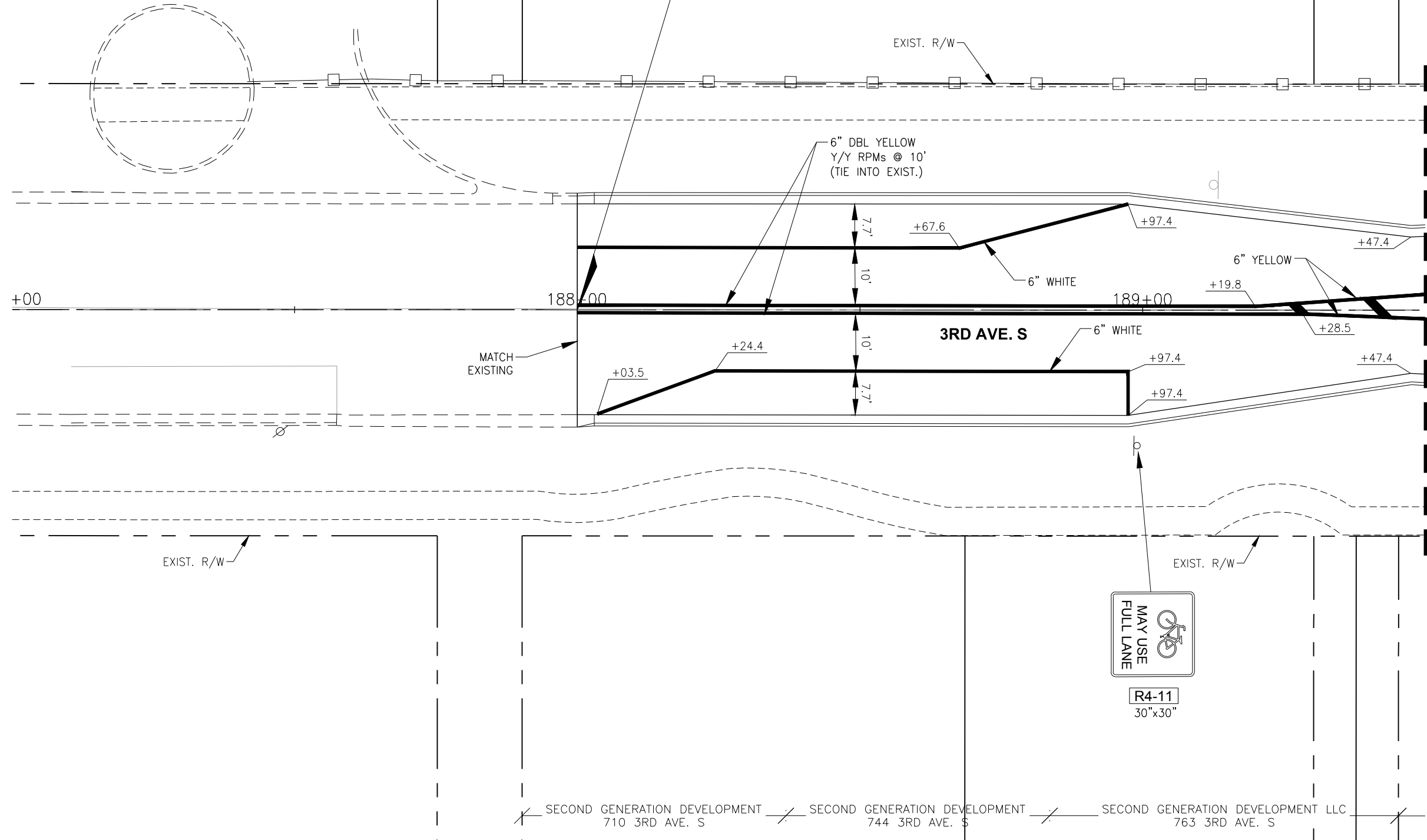
MUNICIPALITY: CITY OF NAPLES  
SEC./TWN./RGE: 34/49S & 3/50S/25E  
DATE: DECEMBER, 2018  
SUBMITTAL TYPE: 100% SUBMITTAL  
SHEETS-8 OF 25

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0 10' 20'  
11x17 SCALE: 1" = 20'

BEGIN ROADWAY  
IMPROVEMENTS - PHASE I  
3RD AVE. S.  
STA 188+00.00



FOR CONTINUATION, SEE SHEET S-23A



R4-11  
30"x30"

SECOND GENERATION DEVELOPMENT 710 3RD AVE. S    SECOND GENERATION DEVELOPMENT 744 3RD AVE. S    SECOND GENERATION DEVELOPMENT LLC 763 3RD AVE. S

LEGEND

Revision	Date	Description	By

DESIGNED BY: R.D.F.  
 DRAWN BY: D.M.S.  
 APPROVED: R.D.F.  
 JOB CODE: CN007  
 SCALE: 1" = 20'



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Q. Grady Minor and Associates, P.A.  
 3800 Via Del Rey  
 Bonita Springs, Florida 34134  
 Business LG 26000266

**8th Street Improvements**

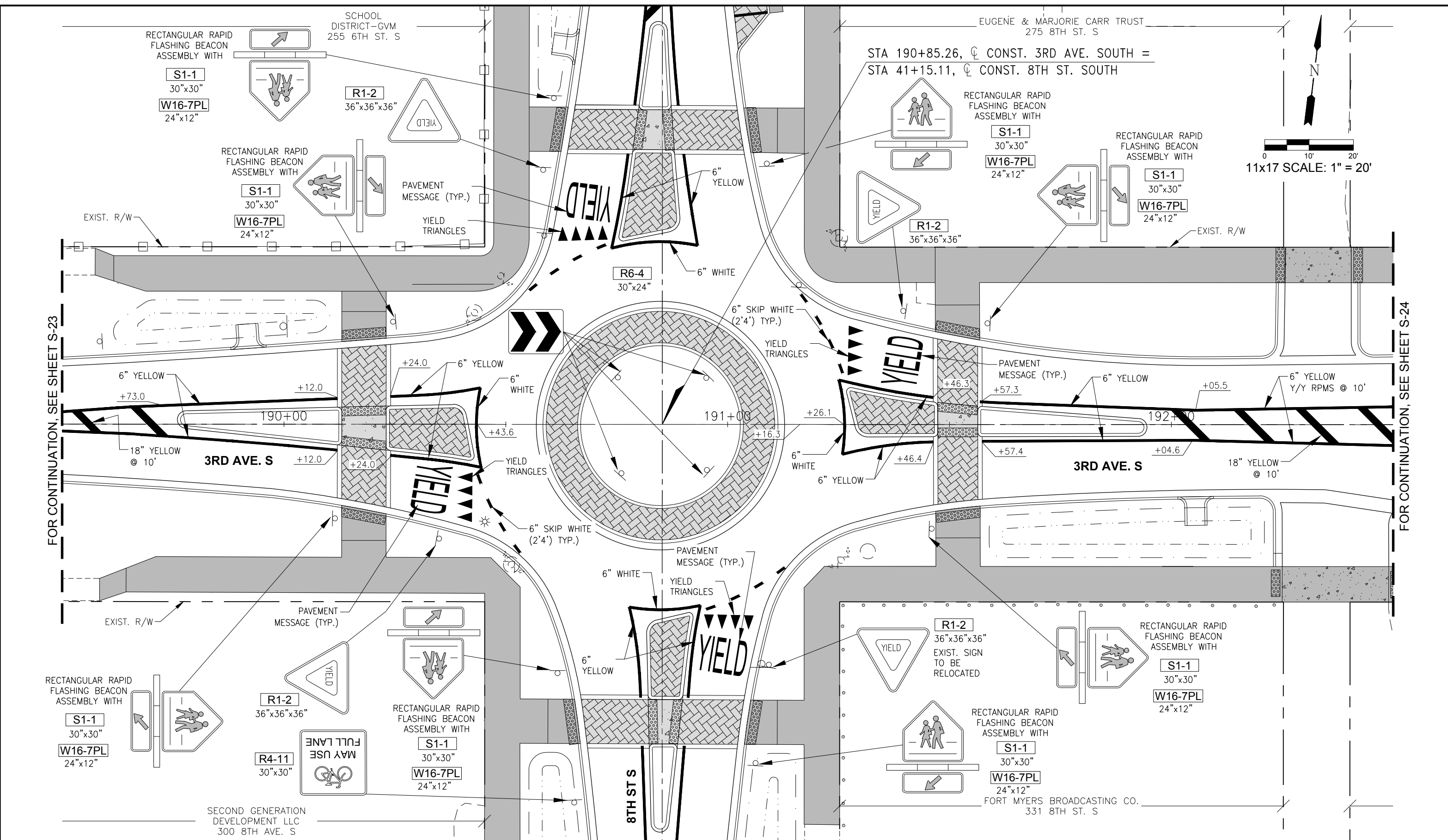
**SIGNING & PAVEMENT MARKING PLAN**  
**SHEET - 20**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205

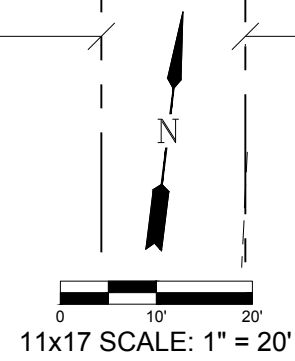
MUNICIPALITY: CITY OF NAPLES  
 SEC/TWN/RGE: 34/49S & 3/50S/25E  
 DATE: NOVEMBER, 2018  
 SUBMITTAL TYPE: 90% SUBMITTAL  
 SHEETS-23 OF 25

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FOR CONTINUATION, SEE SHEET S-23

FOR CONTINUATION, SEE SHEET S-24



**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	R.D.F.
SCALE:	CN007
	1" = 20'

**GradyMinor**  
 Q. Grady Minor and Associates, P.A.  
 3800 Via Del Rey  
 Bonita Springs, Florida 34134

Civil Engineers • Land Surveyors • Planners • Landscape Architects  
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LG 26000266

Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

**8th Street Improvements**

**SIGNING & PAVEMENT MARKING PLAN**  
 SHEET - 20A

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

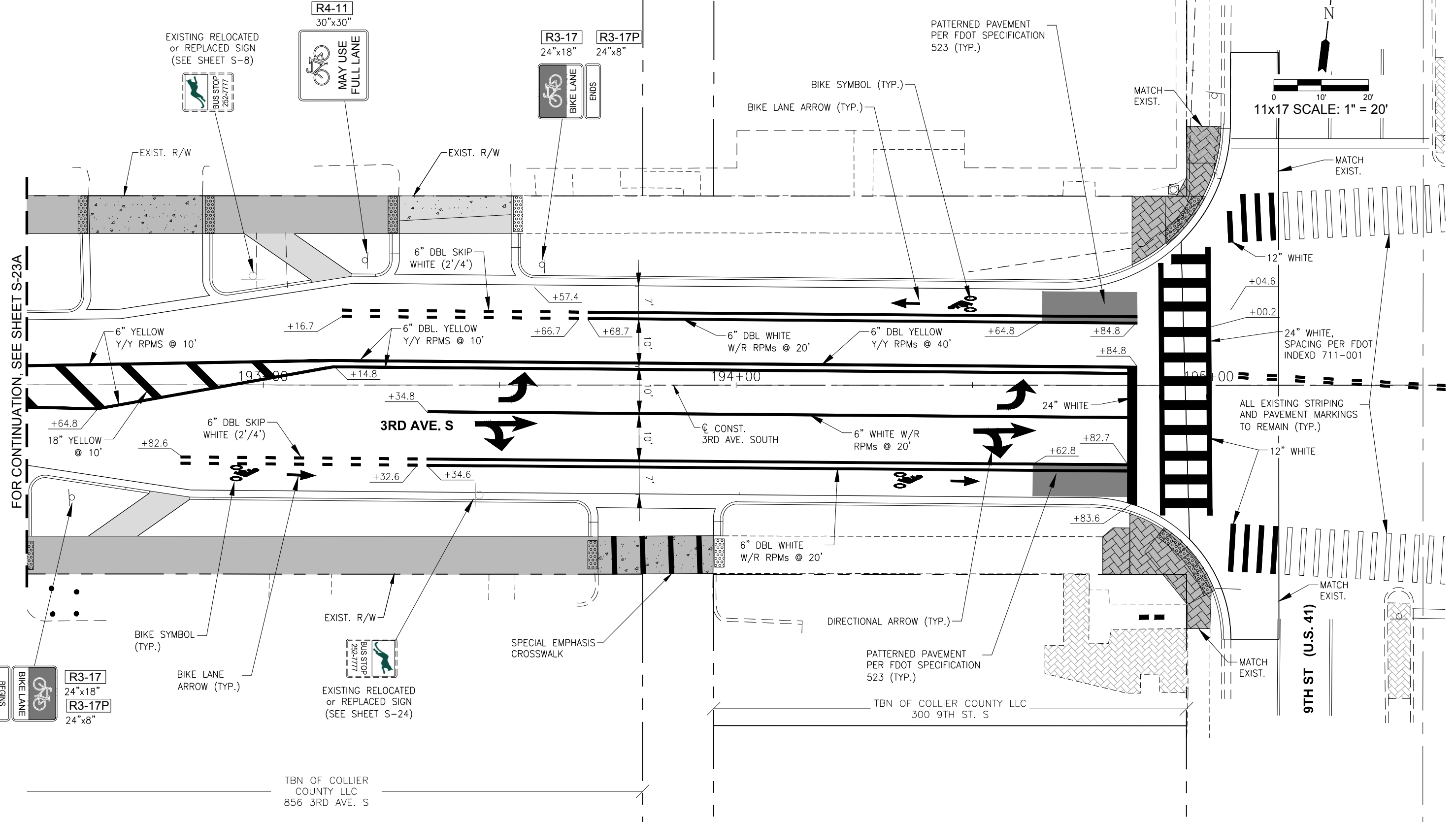
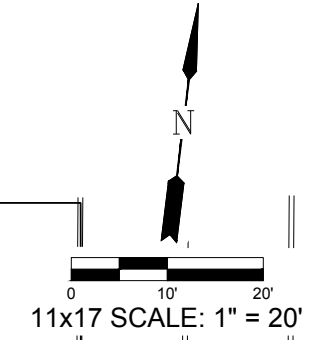
MUNICIPALITY:	CITY OF NAPLES
SEC./TWN./RGE:	34/49S & 3/50S/25E
DATE:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEETS-23A OF 25	

R. DANIEL FLYNN, P.E.  
 FLORIDA P.E. LICENSE NO. 76205



FPT LIMITED PARTNERSHIP  
294 9TH ST. S

FPT LIMITED PARTNERSHIP  
294 9TH ST. S



FOR CONTINUATION, SEE SHEET S-23A

**3RD AVE. S**

CL CONST.  
3RD AVE. SOUTH

**9TH ST (U.S. 41)**

TBN OF COLLIER COUNTY LLC  
856 3RD AVE. S

TBN OF COLLIER COUNTY LLC  
300 9TH ST. S

**LEGEND**

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 1" = 20'

**GradyMinor**

Q. Grady Minor and Associates, P.A.  
3800 Via Del Rey  
Bonita Springs, Florida 34134

Civil Engineers • Land Surveyors • Planners • Landscape Architects  
Cert. of Auth. EB 0005151    Cert. of Auth. LB 0005151    Business LC 26000266

Bonita Springs: 239.947.1144    www.GradyMinor.com    Fort Myers: 239.690.4380

**8th Street Improvements**

**SIGNING & PAVEMENT MARKING PLAN**

**SHEET - 21**

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)  
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

<p>MUNICIPALITY: CITY OF NAPLES</p> <p>SEC/TWN/RGE: 34/49S &amp; 3/50S/25E</p> <p>DATE: DECEMBER, 2018</p> <p>SUBMITTAL TYPE: 100% SUBMITTAL</p> <p>SHEETS-24 OF 25</p>	<p>R. DANIEL FLYNN, P.E. FLORIDA P.E. LICENSE NO. 76205</p>
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