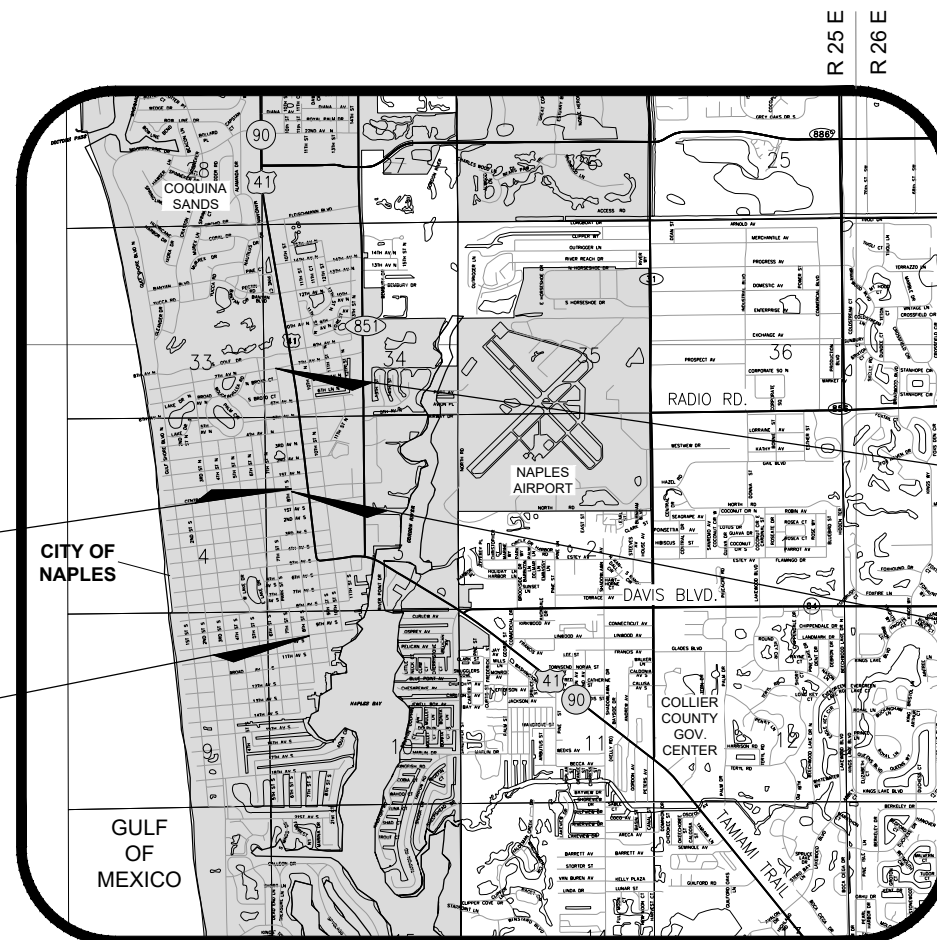
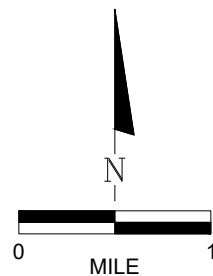


COMPONENTS OF CONTRACT PLAN SET

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNAL PLANS
- LIGHTING PLANS
- LANDSCAPE PLANS
- IRRIGATION PLANS

Index of Roadway Plans

Sheet No.	Description
1	KEY SHEET
2-3	SUMMARY OF PAY ITEMS
4-6	TYPICAL SECTIONS
7-8	SUMMARY OF DRAINAGE STRUCTURES
.	MISCELLANEOUS DRAINAGE DETAILS
.	UTILITY ADJUSTMENT PLAN DETAILS
9	GENERAL NOTES
10	PROJECT LAYOUT SHEETS
11-20	PLAN SHEETS
21-40	UTILITY ADJUSTMENT PLANS
43-56	PROFILE SHEETS
59-60	INTERSECTION GRADING DETAILS
61-64	DRAINAGE STRUCTURES
65-81	CROSS SECTIONS
82-90	DRIVEWAY SECTIONS
91	EROSION CONTROL PLANS
92	TRAFFIC CONTROL GENERAL NOTES
93	TRAFFIC CONTROL PLANS



Location Map

PROJECT LENGTH IS BASED ON ½ CONSTRUCTION

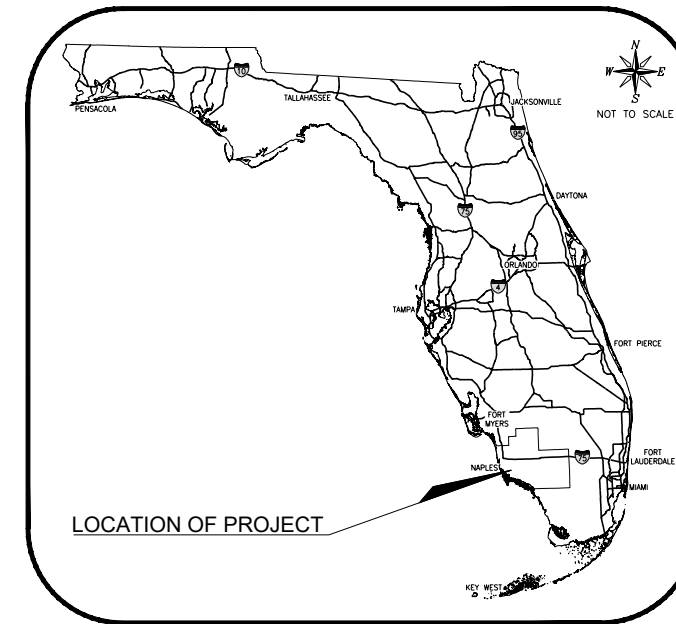
LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY & UTILITY IMPROVEMENTS - 8TH STREET	7446.32	1.410
NET LENGTH OF PROJECT	7446.32	1.410
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	7446.32	1.410

CITY OF NAPLES PROJECT MANAGER: GREGG STRAKALUSE, P.E.

CONTRACT PLANS

CITY OF NAPLES COLLIER COUNTY

8th Street Improvements



LOCATION OF PROJECT

SHOP DRAWINGS TO BE SUBMITTED TO:

END PROJECT-PHASE II
STA 87+19.68

ROADWAY/DRAINAGE PLANS
PROFESSIONAL OF RECORD:

R. DANIEL FLYNN, P.E.
Q. GRADY MINOR & ASSOC., P.A.
3800 VIA DEL REY
BONITA SPRINGS, FL 34134
FLORIDA P.E. LICENSE NO. 76205
EB/LB 0005151

END PROJECT-PHASE I
STA 52+00.00

UTILITY PLANS
PROFESSIONAL OF RECORD:

JUSTIN A. FREDERIKSEN, P.E.
Q. GRADY MINOR & ASSOC., P.A.
3800 VIA DEL REY
BONITA SPRINGS, FL 34134
FLORIDA P.E. LICENSE NO. 66086
EB/LB 0005151

Prepared by:



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

Revisions

Revision	Date	Description	By

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

GOVERNING DESIGN STANDARDS:

FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2018-19 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/roadway/design/standardplans>.

GOVERNING STANDARD SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, JULY 2018 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

DATE: DECEMBER, 2018
FILE NAME: CN007-COV.DWG
JOB CODE: CN007
DRAWING NUMBER: 1 OF 96

SUBMITTAL
100%

8th Street Improvements



8th Street Improvement Project Phase I

ROADWAY			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-18	INLET PROTECTION SYSTEM	EA	33
110-1-1	CLEARING AND GRUBBING	AC	4.134
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	3,561
120-1	REGULAR EXCAVATION	CY	356
120-6	EMBANKMENT	CY	789
160-4	TYPE B STABILIZATION	SY	7,240
285-707	OPTIONAL BASE, BASE GROUP 7	SY	3,343
327-70-8	MILLING EXIST. ASPH. PAVT, 2 1/2" AVG. DEPTH	SY	7,129
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (1 1/2")	TN	864
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (OVERBUILD)	TN	1,193
337-7-82	ASPH CONC FC, TRAFFIC C, FC-9.5, PG 76-22 (1")	TN	576
339-1	MISC. ASPHALT PAVEMENT	TN	1
425-1201	INLETS, CURB, TYPE 9, <10'	EA	4
425-1351	INLETS, CURB, TYPE P-5, <10'	EA	2
425-1361	INLETS, CURB, TYPE P-6, <10'	EA	8
425-1521	INLETS, DT BOT, TYPE C, <10'	EA	5
425-1523	INLETS, DT BOT, TYPE C, JBOT, <10'	EA	12
425-2-41	MANHOLES, P-7, <10'	EA	9
425-2-43	MANHOLE, P-7, PARTIAL	EA	2
425-5-1	MANHOLE, ADJUST, UTILITIES	EA	9
425-6	VALVE BOXES, ADJUST	EA	10
430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD	LF	853
430-175-115A	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD (PERFORATED PIPE)	LF	760
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	215
434-1	UNDERGROUND EXFILTRATION STORAGE	CY	202
519-78	BOLLARDS	EA	12
520-1	CONCRETE BAND	LF	1,485
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	3,585
520-2-2	CONCRETE CURB, TYPE B	LF	195
520-2-4	CONCRETE CURB, TYPE D	LF	1,379
520-3	VALLEY GUTTER	LF	361
522-1	CONC SIDEWALK AND DRIVEWAYS, 4" THICK	SY	2,368
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	694
526-1-1A	PAVERS, ARCHITECTURAL, CROSSWALKS/TRANSITIONS	SY	210
526-1-1B	PAVERS, ARCHITECTURAL, SIDEWALK	SY	153
526-1-1C	PAVERS, ARCHITECTURAL, PERVIOUS	SY	644
526-1-1D	PAVERS, ARCHITECTURAL, PARKING	SY	87
526-1-1E	PAVERS, ARCHITECTURAL, DRIVEWAYS	SY	49
527-2	DETECTABLE WARNING	SF	854
550-10220	FENCING, TYPE B, 5.1-6.0', STANDARD FEATURES	LF	210
CONC-POLE	REMOVAL OF EXISTING CONCRETE CAMERA POLE	EA	1

LEGEND

Revision	Date	Description	By

DESIGNED BY: R.D.F.
 DRAWN BY: D.M.S.
 APPROVED: R.D.F.
 JOB CODE: CN007
 SCALE: 24x36 1" = XX' 11x17 N/A



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

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

8th Street Improvements

SUMMARY OF PAY ITEMS - 1

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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 2 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-TABLE-EI 12/18/2018 7:51 AM

8th Street Improvement Project Phase I

SIGNING AND PAVEMENT MARKING			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
523-1-3	PATTERNED PAVEMENT, VEHICULAR AREAS, GREEN BIKE LANE	SY	138
654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE SIGN ASSEMBLY- SINGLE DIRECTION	AS	
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	16
700-1-50	SINGLE POST SIGN, RELOCATE	AS	12
700-1-60	SINGLE POST SIGN, REMOVE	AS	2
706-3	RETRO-REFLECTIVE PAVEMENT MARKERS (RPMS)	EA	
711-11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1309
711-11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	768
711-11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.228
711-11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	6
711-11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	9
711-11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	66
711-14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	14
711-14170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	14
711-16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.998
711-16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.852
711-16201-PAVER	YELLOW PAVER, SOLID, 6"	LF	48
SIGNALIZATION			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	5
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	0
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	0
632-7-6	SIGNALS - CABLE (REMOVE-INTERSECTION)	PI	0
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	1
639-1-111	ELECTRIC POWER SERVICE	AS	0
639-2-1	ELECTRICAL SERVICE WIRE	LF	1
639-3-12	ELECTRICAL SERVICE DISCONNECT, F&I	EA	0
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	0
646-1-60	ALUMINUM SIGNAL POLES (REMOVE)	EA	1
649-21-1	STEEL MAST ARM ASSEMBLY (F & I) (30' SINGLE)	EA	0
649-21-3	STEEL MAST ARM ASSEMBLY (F & I) (40' SINGLE)	EA	0
649-26-3	STEEL MAST ARM ASSEMBLY (REMOVE) (SHALLOW)	EA	0
650-1-14	VEHICULAR TRAFFIC SIGNAL (F&I - ALUMINUM) (3 SECT. - 1 WAY)	AS	0
650-1-70	TRAFFIC SIGNAL (RELOCATE)	AS	4
653-1-11	PEDESTRIAN SIGNALS (LED) (1 WAY, COUNTDOWN)	AS	0
653-1-12	PEDESTRIAN SIGNALS (LED) (2 WAY, COUNTDOWN)	AS	0
660-1-106	INDUCTIVE LOOP DETECTOR, Type 6, 2 Ch, SS, S, TD (F & I)	EA	0
660-2-101	LOOP ASSEMBLY, TYPE A (F & I)	EA	2
660-2-102	LOOP ASSEMBLY, TYPE B (F & I)	EA	5
660-2-106	LOOP ASSEMBLY, TYPE F (F & I)	EA	6
665-1-60	PEDESTRIAN DETECTOR (REMOVE-POLE/PEDESTAL TO REMAIN)	EA	6
670-5-110	TRAFFIC CONTROLLER ASSEMBLY (F & I)	AS	0
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1
670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE	AS	0
700-5-21	SIGN PANEL (F&I) (UP TO 12SF) (OVERHEAD)	EA	0
715-5-31	LUMINAIRE & BRACKET ARM, ALUMINUM, F&I, ON NEW POLE	EA	0
715-5-51	LUMINAIRE & BRACKET ARM, REMOVE	EA	0
UTILITIES			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
1050-16-002	UTILITY PIPE, REMOVE AND DISPOSE, WATER, 2"	LF	
1050-16-004	UTILITY PIPE, REMOVE AND DISPOSE, ASBESTOS CONCRETE, WATER, 8"	LF	
1050-31-212	UTILITY PIPE, F&I, PVC, WATER, 8-19.9"	LF	
1050-31-212	UTILITY PIPE, F&I, PVC, SEWER, 8-19.9"	LF	2900
1050-41-22	UTILITY PIPE, F&I, PE, WATER / SEWER, 2-4.9"	LF	
1050-42-214	UTILITY PIPE, F&I, HDPE, SEWER, 14"	LF	980
1050-18002	UTILITY PIPE, PLUG & PLACE OUT OF SERVICE, 2- 4.9"	LF	
1050-41202	UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 2"	LF	
1080-23-110	UTILITY FIXTURES, F&I, TAPPING SADDLE/SLEEVE, 10"	EA	1
1080-23-112	UTILITY FIXTURES, F&I, TAPPING SADDLE/SLEEVE, 12"	EA	1
1080-24-18	UTILITY FIXTURES, F&I, WATER, VALVE ASSEMBLY, 8"	EA	2
1080-24-110	UTILITY FIXTURES, F&I, VALVE ASSEMBLY, 10"	EA	1
1080-24-112	UTILITY FIXTURES, F&I, VALVE ASSEMBLY, 12"	EA	7
1080-26-112	UTILITY FIXTURE, F&I, VAC/AIR ASSEMBLY, 12"	EA	8
1644-133-08	FIRE HYDRANT, F&I, TRAFFIC, TWO HOSE, ONE PUMPER, 6"	EA	4
LIGHTING			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
630-2-11	CONDUIT, F&I, OPEN TRENCH	LF	3,594
635-2-11	PULL & SPLICE BOX, F&I, 13"x24" COVER SIZE	EA	2
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6	LF	10,782
715-516-115	LIGHT POLE COMPLETE, SPECIAL DESIGN, F&I, POLE TOP MOUNT, ALUMINUM, CUSTOM HEIGHT	EA	36
715-7-11	LOAD CENTER, F&I SECONDARY VOLTAGE	EA	1

LEGEND

Revision	Date	Description	By

DESIGNED BY: R.D.F.
 DRAWN BY: D.M.S.
 APPROVED: R.D.F.
 JOB CODE: CN007
 SCALE: 24x36 1" = XX' 11x17 N/A



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

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

8th Street Improvements

SUMMARY OF PAY ITEMS - 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

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

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 3 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\G1DWG5\SUBMITTYPE\90%CN007-TABLE-21 12/18/2018 7:51 AM

8th Street Improvement Project Phase I

LANDSCAPING

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
LANDSCAPE COMPLETE - SMALL PLANTS (INCLUDES INCIDENTAL WORK)			
580-1-1A	SOIL PREP TOPSOIL	CY	185
580-1-1	AGAPANTHUS AFRICANUS / BLUE LILY OF THE NILE	EA	28
580-1-1	DIANELLA TASMANICA BLUSHY / VARIEGATED FLAX LILY	EA	47
580-1-1	FICUS MICROCARPA 'GI' / GREEN ISLAND FICUS	EA	140
580-1-1	ILEX VOMITORA 'SD' / STOKES DWARF YAUPON HOLLY	EA	68
580-1-1	IXORA X 'TAIWANESE - RED DWARF' / RED DWARF IXORA	EA	224
580-1-1	LIRIOPE MUSCARI 'EG' / EMERALD GODDESS LIRIOPE	EA	1,523
580-1-1	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	EA	141
580-1-1	ARACHIS PINTOI 'GG' / GOLDEN GLORY PERENNIAL PEANUT	EA	5,054
580-1-1	TRACHELOSPERMUM ASIATICUM / ASIATIC JASMINE	EA	3,668
580-1-1	ST. AUGUSTINE FLORATAM SOD VAR. 'PALMETTO', STENOTAPHRUM SECUNDATUM	SF	16,705
580-1-1	GRADE A MULCH, BROWN AVAILABLE AT FORESTRY RESOURCES 'OLD FLORIDA BLEND' 100% PINE MULCH (19,950 SF)(FORMULA: 40% ROJO, 7 LB, 100% PINE)	CY	185
LANDSCAPE COMPLETE - LARGE PLANTS (INCLUDES INCIDENTAL WORK)			
580-1-2	BUCIDA BUCERAS / SHADY LADY BLACK OLIVE	EA	31
580-1-2	TABEBUIA PALLIDA / PINK TABEBUIA	EA	3
580-1-2	TAXODIUM DISTICHUM / BALD CYPRESS	EA	8
580-1-2	ROYSTONEA REGIA / FLORIDA ROYAL PALM	EA	7
580-1-2	VEITCHIA MONTGOMERYANA / MONTGOMERY PALM	EA	28
580-2-2	AECHMEA BLANCHETIANA / ORANGE BROMELIAD	EA	19
IRRIGATION SYSTEM			
0590 70	IRRIGATION SYSTEM	LS	1

PAY ITEM FOOTNOTES:

102-1	MAINTENANCE OF TRAFFIC PLAN AND DETOUR LAYOUT TO BE PROVIDED BY CONTRACTOR PRIOR TO CONSTRUCTION AND WILL REQUIRE PRIOR APPROVAL BY CITY ENGINEER BEFORE INSTALLATION. CONTRACTOR WILL BE REQUIRED TO CLOSELY COORDINATE WITH CITY ENGINEER TO PHASE CONSTRUCTION IN A WAY TO MINIMIZE DISRUPTION OF PEDESTRIAN AND VEHICULAR TRAFFIC. GENERAL PHASING LIMITS IS DETAILED ON THE TRAFFIC CONTROL PLANS INCLUDED IN THIS PLAN SET. ALL COORDINATION, PHASING COSTS, MATERIALS, AND INSTALLATION WILL BE INCLUDED IN THE LUMP SUM ITEM.
101-1-1	CONSISTS OF COMPLETE REMOVAL & DISPOSAL OF ALL OBSTRUCTIONS TO CONSTRUCT PROPOSED IMPROVEMENTS.
120-6	IN SITU PERMEABILITY TESTING WITHIN DRY RETENTION/BIO SWALE AREA INCLUDED IN COST OF EMBANKMENT.
425-5, 425-6	SOLID GRATE INCLUDED IN THE COST OF MANHOLE, ADJUST.
425-1523	INCLUDES INTERNAL WEIR AS SHOWN ON SHEET X "MISCELLANEOUS DRAINAGE DETAIL"
434-1	INCLUDES EXCAVATION REQUIRED FOR CONSTRUCTION OF EXFILTRATION TRENCH.
519-78	DECORATIVE BOLLARD TO BE _____ OR EQUIVALENT
520-1	INCLUDES 1.5-FOOT AND 2-FOOT CONCRETE BAND AS SHOWN IN PLANS
520-1-10	CONCRETE FLUME INCLUDED IN COST OF CURB.
520-3	VALLEY GUTTER TO BE CONSTRUCTED PER DETAIL SHOWN ON SHEET 10.
526-1-1(A,C)	COST TO INCLUDE ALL PAVERS, AGGREGATE, CONCRETE, BEDDING, BASE, SUB-BASE AND ALL OTHER MATERIALS AS DETAILED IN THE TYPICAL SECTIONS OF THESE PLANS. MATERIAL TYPE AND COLOR TO BE FINALIZED DURING THE SHOP DRAWING APPROVAL PROCESS.
526-1-1C	12" CONCRETE RIBBON CURB TO BE INCLUDED IN COST OF PAVERS, ARCHITECTURAL, CROSSWALK. PERVIOUS PAVERS TO INCLUDE PERMEABLE BASE AND SUB BASE AS SHOWN ON PERVIOUS PAVER PARKING DETAIL ON SHEET 8 "MISCELLANEOUS DRAINAGE DETAIL".
527-2	DETECTABLE WARNING TO BE TYPE THAT IS EMBEDDED IN WET CONCRETE DURING THE POUR.
580-1-1A	INCLUDES HERBICIDE APPLICATION AS NECESSARY TO KILL OFF WEEDS, FERTILIZER, TILLING, FINAL GRADING AND TESTING PH
DS-VALLEY GUTTER	INLETS, VALLEY GUTTER TO BE CONSTRUCTED PER DETAIL SHOWN ON SHEET 10.
1050-11222	INCLUDES ALL NECESSARY FITTINGS. ITEM ALSO INCLUDES TEE/CROSS AND PLUGS AT THE END OF THE PROPOSED WATER MAIN.
1050-11224	INCLUDES ALL NECESSARY FITTINGS.
1050 15	INCLUDES ALL ITEMS NECESSARY TO ADJUST EXISTING CONNECTIONS TO THE EXISTING WATER MAIN AND ALL ITEMS NECESSARY TO CONNECT TO THE EXISTING WATER MAIN WITH THE PROPOSED WATER MAIN. ALSO INCLUDES ADJUSTMENT/RELOCATION OF EXISTING BACKFLOW.
1050 18002	INCLUDES CUTTING AND CAPPING OF THE 2" WATER MAIN.
1050 41202	INCLUDES ALL ITEMS NECESSARY TO CONNECT TO THE EXISTING WATER METERS. RECONSTRUCTION OF SIDEWALK TO BE INCLUDED IN COST.
1080 11203 (2")	ITEM INCLUDES 2" CURB STOP VALVES.
1080 11203 (4")	INCLUDES TAPPING SLEEVE AND VALVE.
CONC-POLE	COST INCLUDES COMPLETE REMOVAL & DISPOSAL OF CONCRETE POLE.

LEGEND

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 N/A



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

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

8th Street Improvements

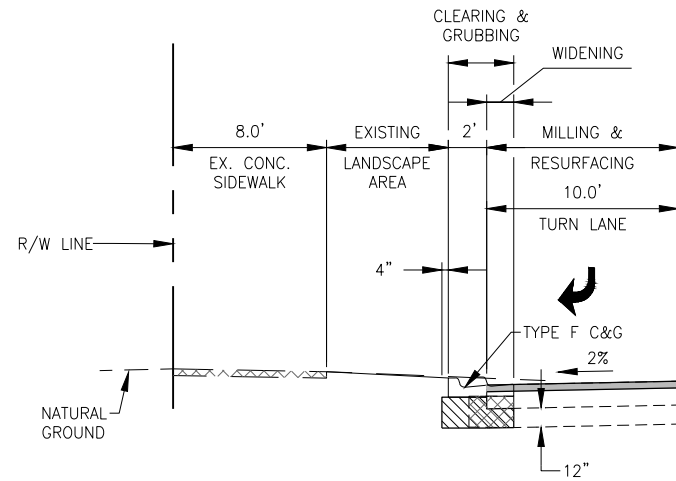
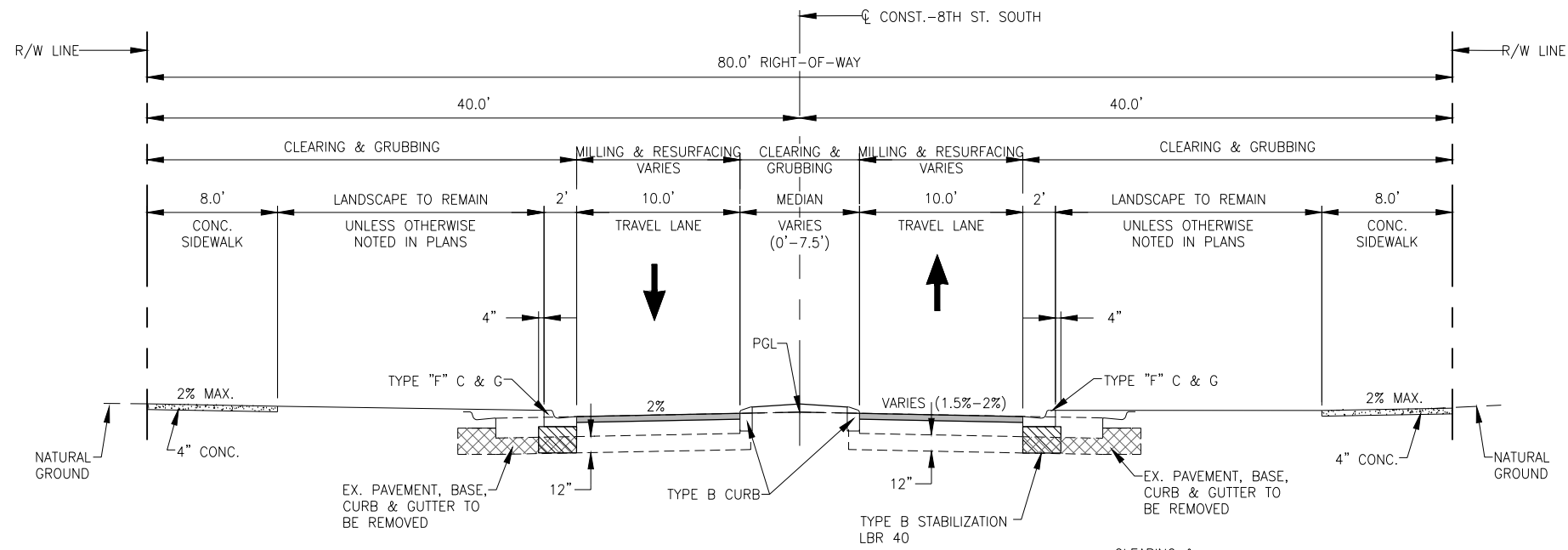
SUMMARY OF PAY ITEMS - 3

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

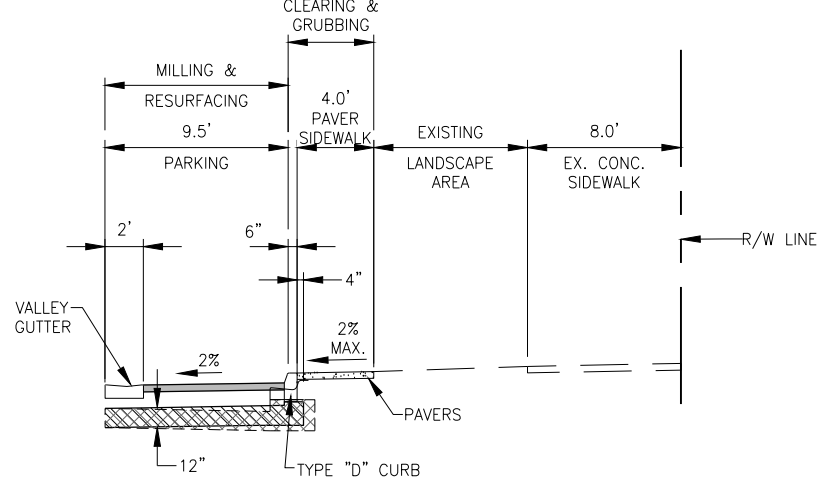
R. DANIEL FLYNN, P.E.
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	4 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTALTYPE\90%CN007-TABLE-3-12/18/2018 7:51 AM



STA. 33+64.18 TO STA. 34+93.41



STA. 33+89.05 TO STA. 34+67.51

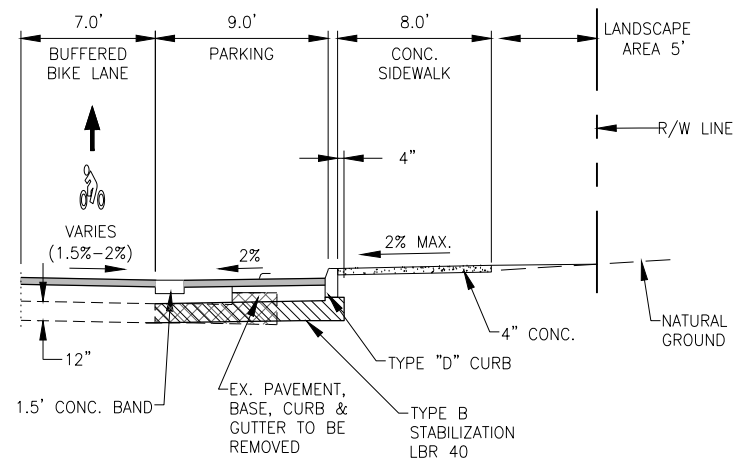
**TYPICAL SECTION
8TH STREET SOUTH
STA. 33+34.21 to STA. 41+15.00
N.T.S**

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 8 (TYPE B-12.5 ONLY) WITH
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC B) (1.5")
AND FRICTION COURSE FC-9.5 (1")



STA. 38+60.57 TO STA. 40+32.67

NOTES

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

TRAFFIC DATA

A. CURRENT YEAR 2018: 4,700
B. ESTIMATED OPENING YEAR 2019: 4,700
C. 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 Fort Myers: 239.690.4380

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

8th Street Improvements

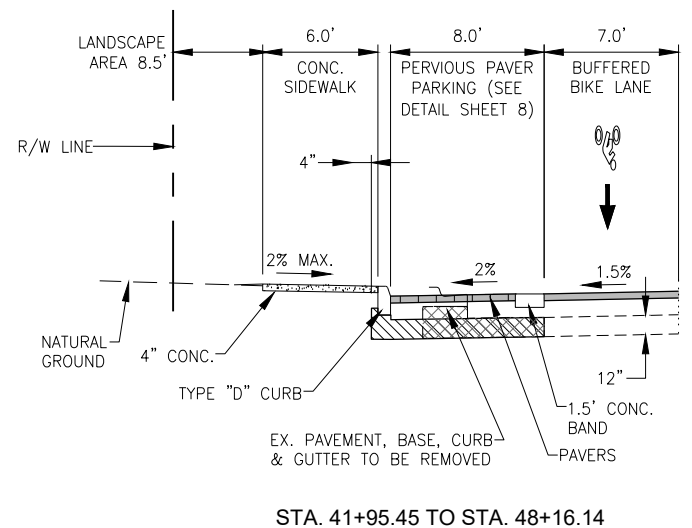
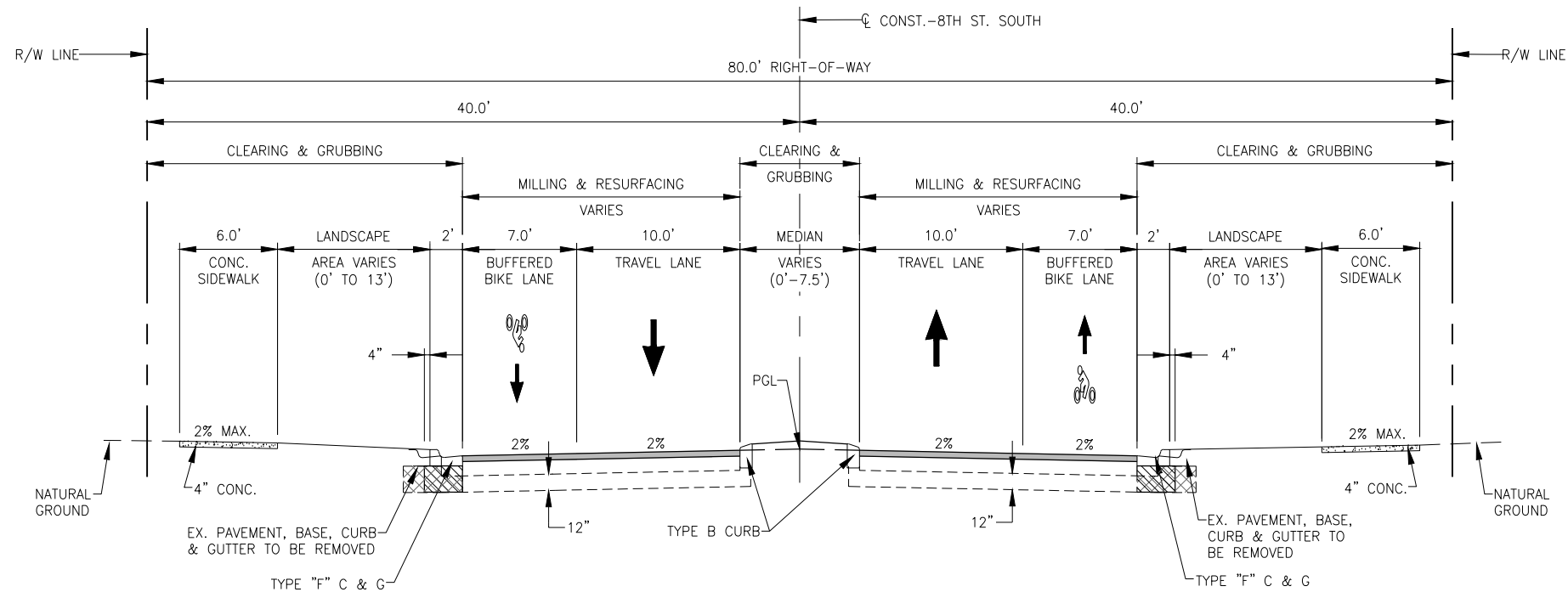
TYPICAL SECTIONS - 1

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/RGB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	4 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% \CN007-COY 12/18/2018 6:58 AM



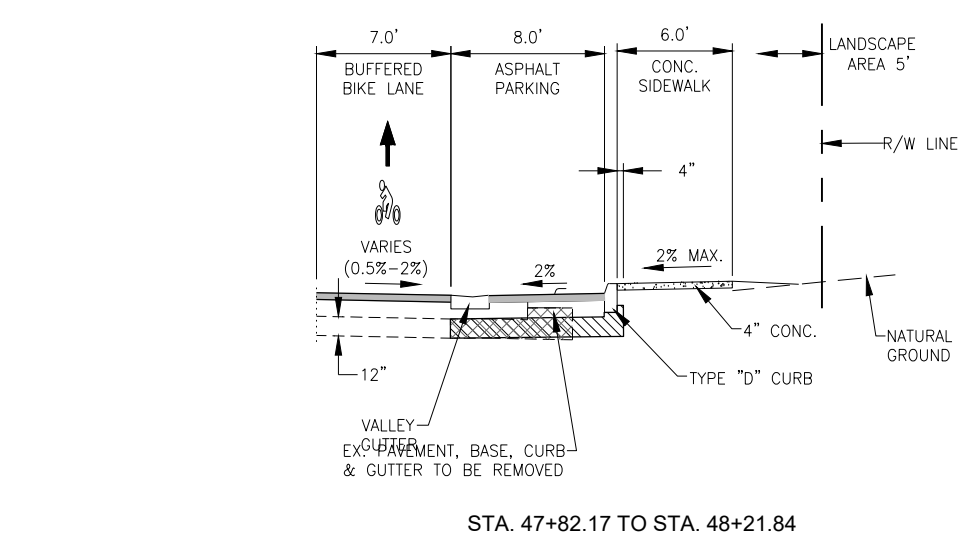
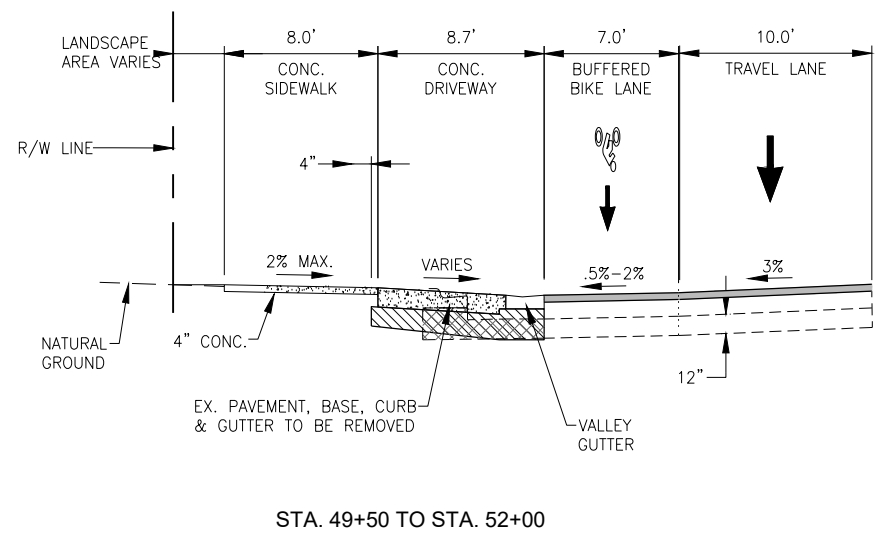
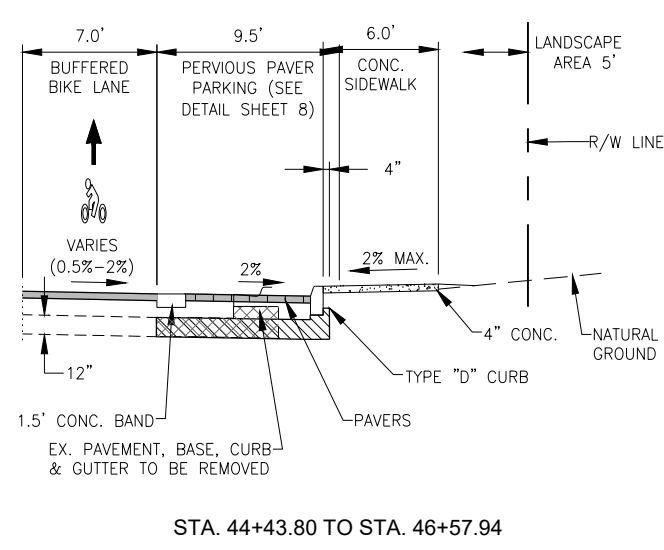
**TYPICAL SECTION
8TH STREET SOUTH
STA. 41+15 TO STA. 52+00
N.T.S**

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 8 (TYPE B-12.5 ONLY) WITH
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC B) (1.5")
AND FRICTION COURSE FC-9.5 (1")



NOTES

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

TRAFFIC DATA

A. CURRENT YEAR 2018: 4,700
B. ESTIMATED OPENING YEAR 2019: 4,700
C. 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'

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

TYPICAL SECTIONS - 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./R.G.B.:
34/49S & 3/50S/25E

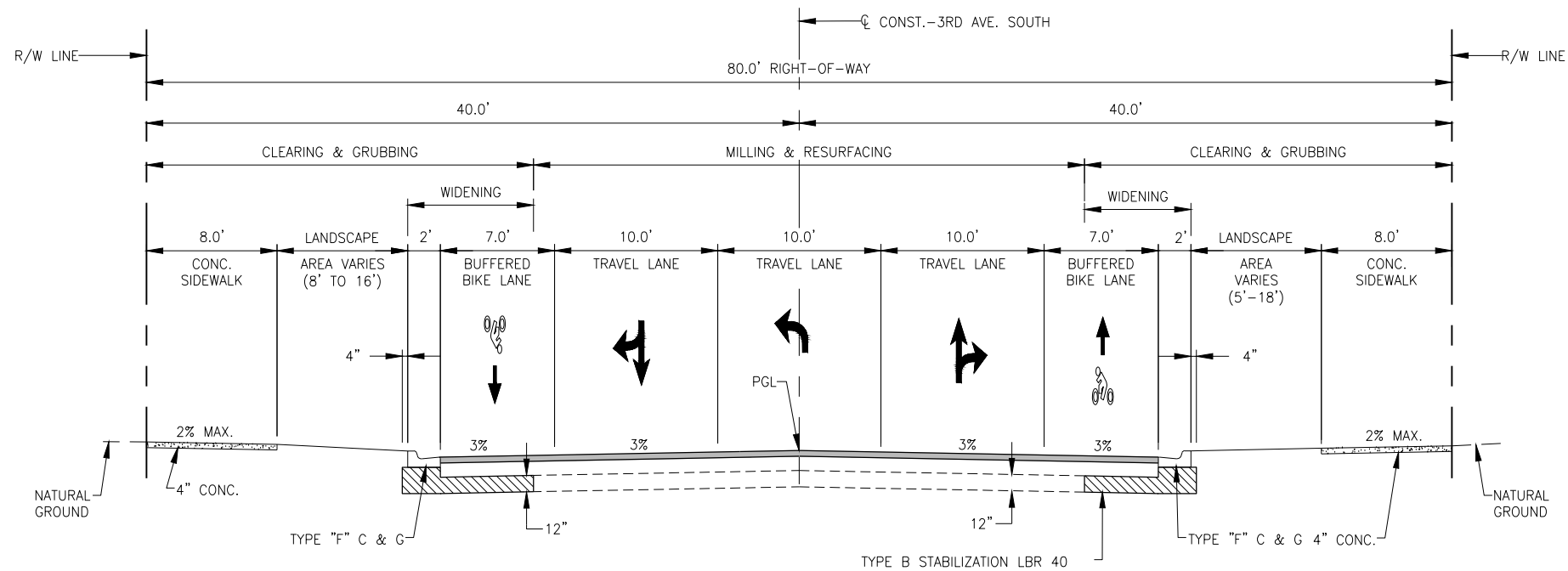
DATE:
DECEMBER, 2018

SUBMITTAL TYPE:
100% PLANS

SHEET 5 OF 96

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

C:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% \CN007-COY 12/18/2018 6:58 AM



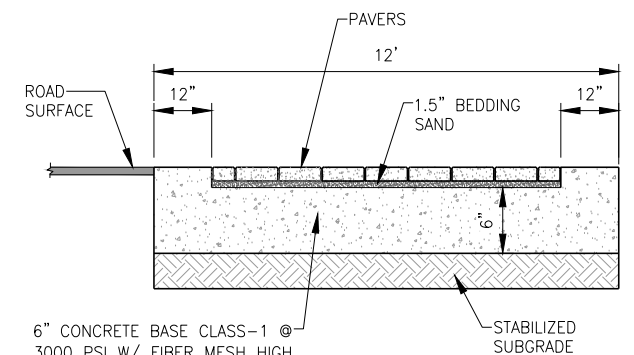
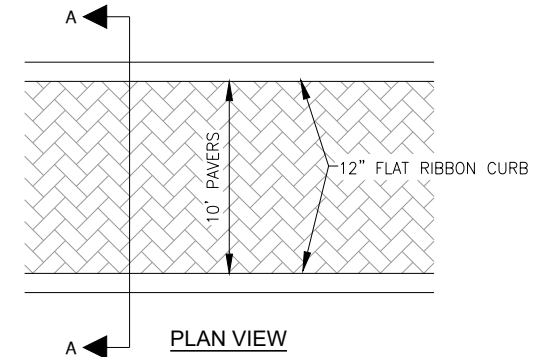
**TYPICAL SECTION
3RD AVENUE SOUTH
STA. 189+73.00 to STA. 195.04.61
N.T.S**

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 8 (TYPE B-12.5 ONLY) WITH
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC B) (1.5")
AND FRICTION COURSE FC-9.5 (1")



**PAVER TRANSITION &
CROSSWALK DETAIL
N.T.S**

CONCRETE PAVER NOTES

- PAVER
STYLE: BRICK 4x8 SIZE: 3 7/8" x 7 7/8" x 3 1/8"
PATTERN: TO BE DECIDED BY CITY AT TIME OF CONSTRUCTION
- ALL PAVERS TO BE FLUSH WITH SURROUNDING SURFACES.
- ALL PAVERS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

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 Fort Myers: 239.690.4380

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

8th Street Improvements

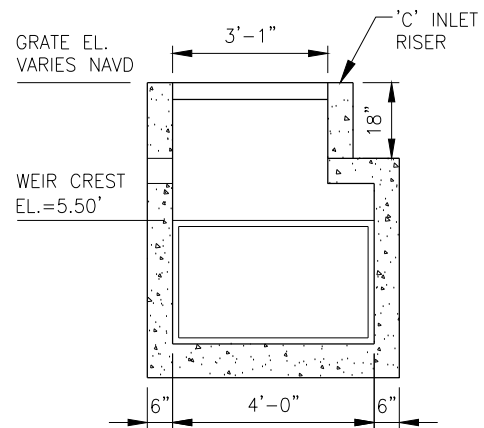
TYPICAL SECTIONS - 4

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

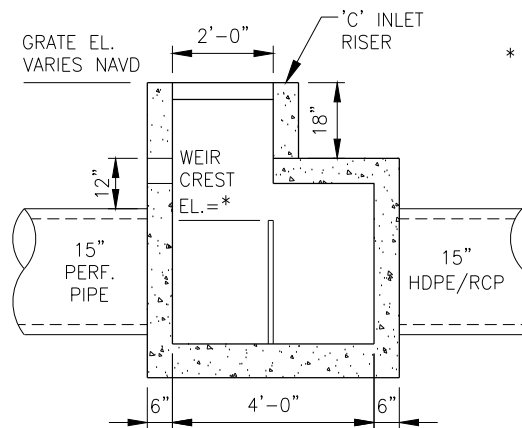
R. DANIEL FLYNN, P.E.
FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	7 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\G1DWG\SUBMITTAL\TYPE 90% \CN007-COY 12/18/2018 6:58 AM



SECTION



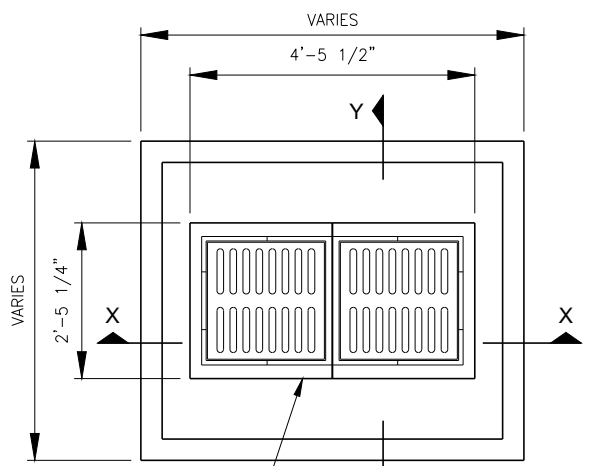
SECTION

- * EL. = 5.25 S-20
 EL. = 4.40 S-23
 EL. = 3.50 S-25
 EL. = 3.50 S-26
 EL. = 3.00 S-28

- ALUMINUM WEIR NOTES**
- 1-1/2" x 1-1/2" x 1/4" ALUMINUM ANGLE BRACES CONTINUOUS WELDED TO ALUMINUM PLATE ON DOWNSTREAM SIDE (TYP.)
 - 1/2" GALVANIZED HEADLESS BOLTS SET IN 5/8" O.C. DRILLED HOLES WITH AN ADHESIVE MATERIAL SYSTEM IN ACCORDANCE WITH FDOT SPECIFICATION SYSTEM 416 AND 937; 6" MINIMUM EMBEDMENT INSTALLED AT SIDE AND BOTTOM ANGLE BRACES.

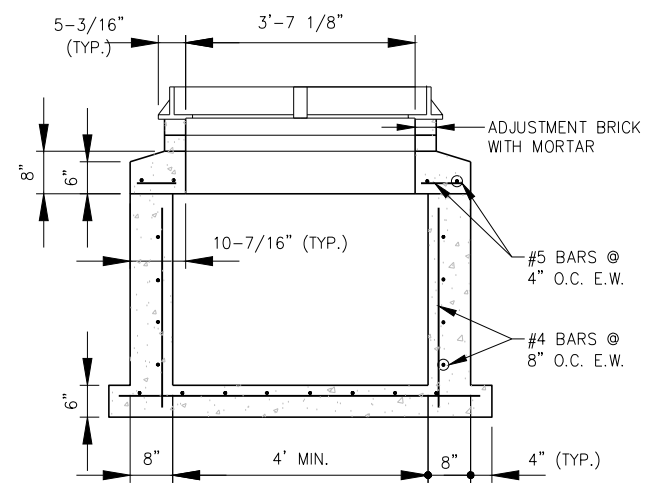
CONTROL STRUCTURE J MANHOLE INLET RISER DETAIL

N.T.S.



PLAN

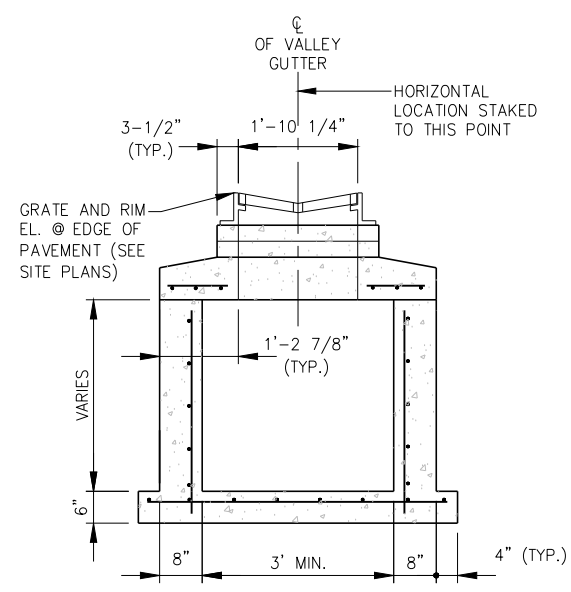
USF 5106 VALLEY GUTTER INLET FRAME & GRATE OR EQUAL



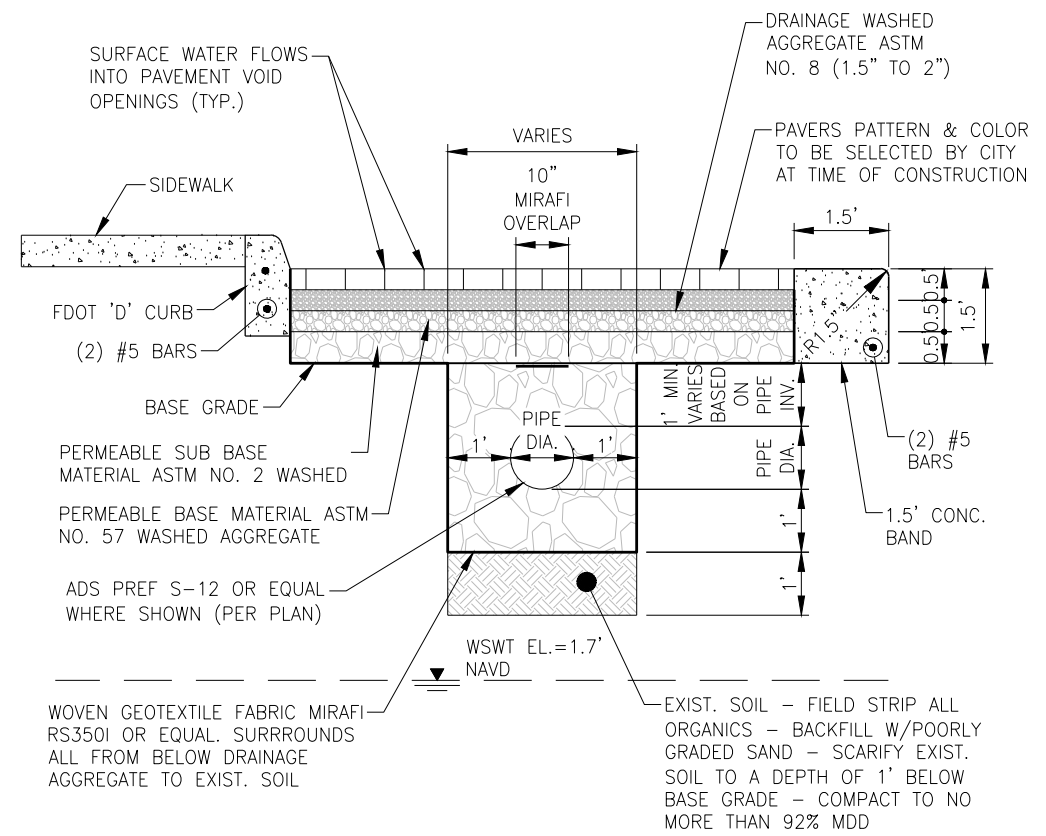
SECTION X

VALLEY GUTTER INLET DETAIL

N.T.S.

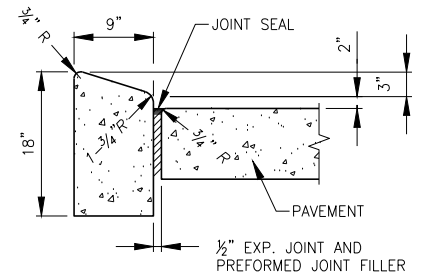


SECTION Y



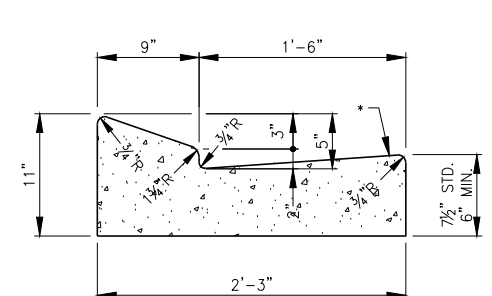
PERVIOUS PAVER PARKING DETAIL

N.T.S.



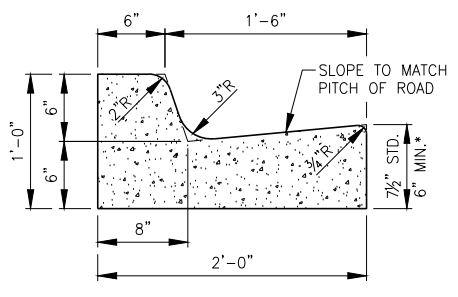
TYPE 'B' CURB

N.T.S.



TYPE 'D' CURB

N.T.S.



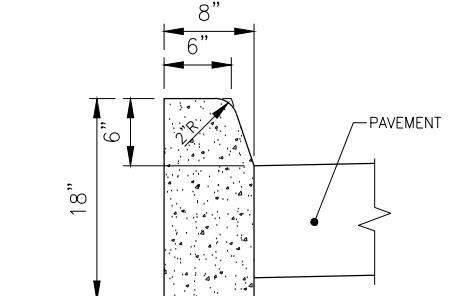
TYPE 'F' CURB & GUTTER

N.T.S.

* WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

TYPE 'E' CURB

N.T.S.



VALLEY GUTTER

N.T.S.

LEGEND

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	CN007
SCALE:	11x17 #####



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

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

8th Street Improvements

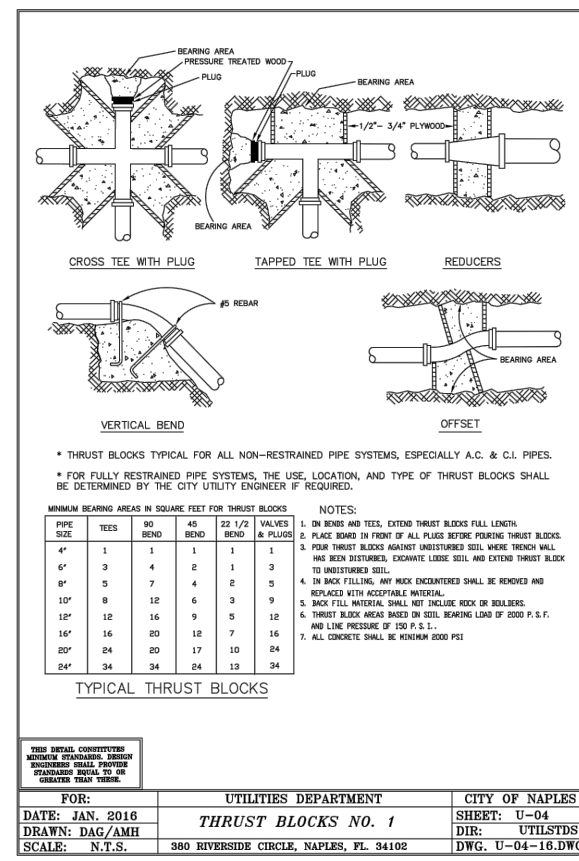
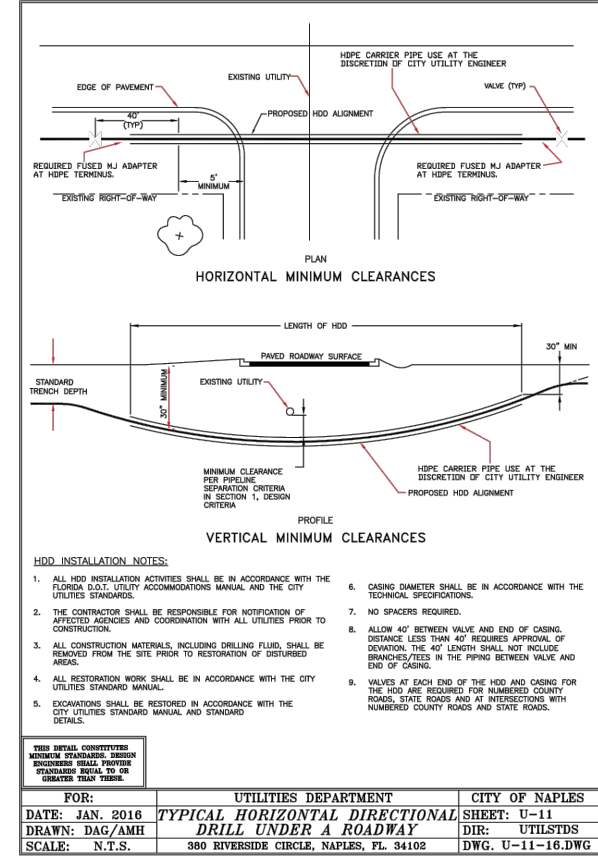
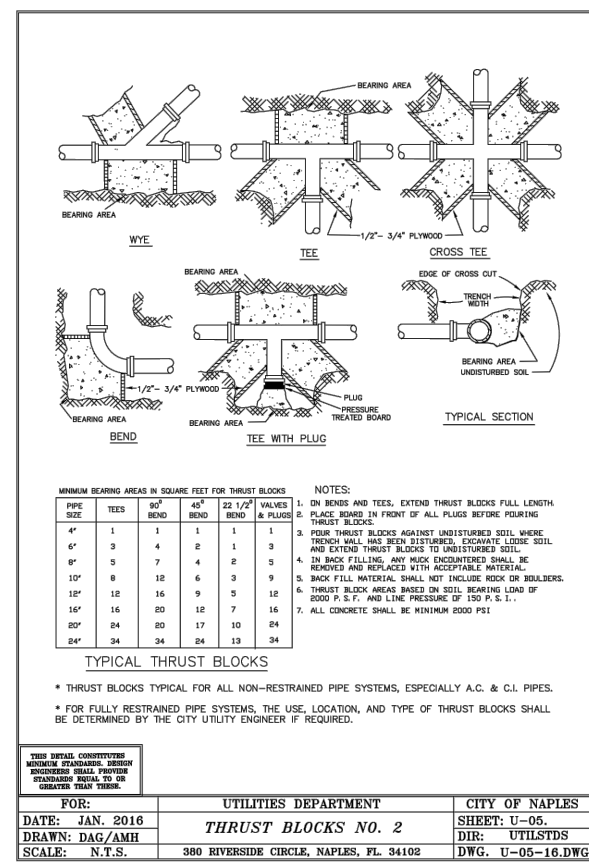
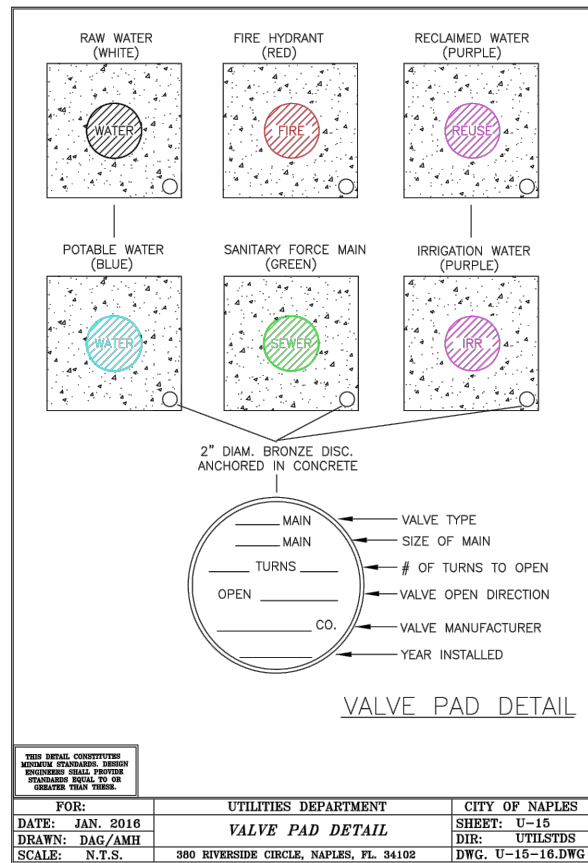
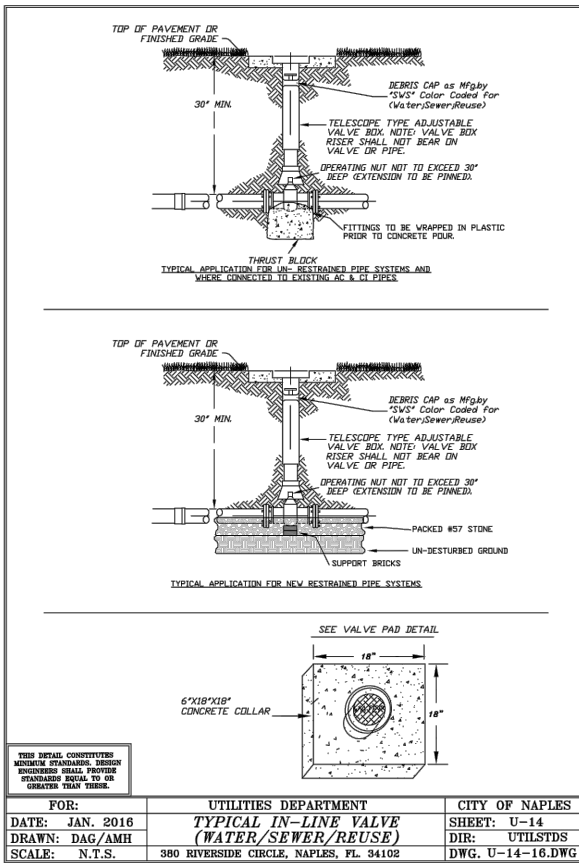
MISCELLANEOUS DRAINAGE DETAILS

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/ROB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	8 OF 96

C:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% \CN007-COY_12/18/2018_6:58 AM



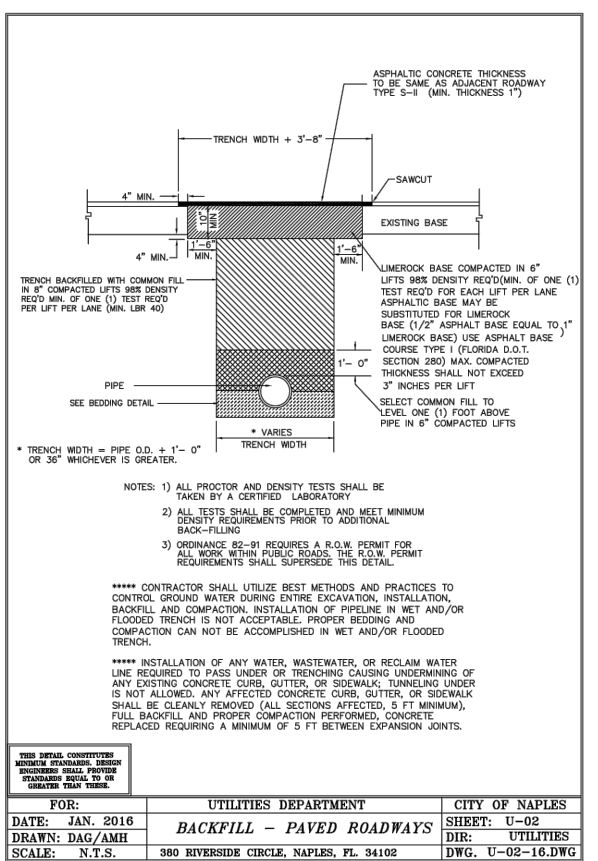
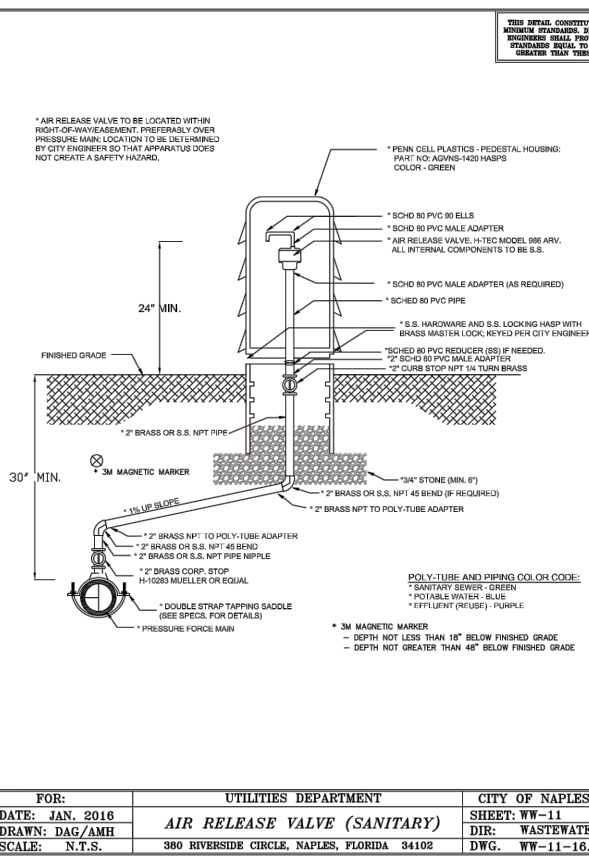
RESTRAINED PIPE LENGTH IN FEET (1)

PIPE SIZE IN INCHES	HORIZONTAL BENDS				DEAD ENDS (2)	45° VERTICAL BENDS	
	90°	45°	22-1/2°	11-1/4°		UPPER	LOWER
4	23	9	5	2	55	23	8
6	32	13	6	3	77	32	11
8	41	17	8	4	100	41	14
10	51	21	10	5	129	51	17
12	61	25	12	6	161	61	20
14	71	29	14	7	195	71	23
16	81	33	16	8	231	81	26
18	91	37	18	9	269	91	29
20	101	41	20	10	309	101	32
24	121	49	24	12	371	121	38
30	151	61	30	15	451	151	47
36	181	73	36	18	541	181	57

RESTRAINED PIPE LENGTH IN FEET (1)

PIPE SIZE IN INCHES	RESTRAINED PIPE LENGTH IN FEET (1)	
	TEE (3)	REDUCER (4)
6 x 4	0	40
6 x 6	34	72
8 x 4	0	72
8 x 8	55	74
10 x 6	3	74
10 x 10	75	108
12 x 4	0	122
12 x 8	31	75
12 x 12	95	107
16 x 6	0	153
16 x 10	44	107
16 x 16	134	157
18 x 8	0	157
18 x 12	68	108
18 x 18	152	187
20 x 10	20	161
20 x 16	120	77
20 x 20	170	170
24 x 12	37	187
24 x 18	132	109
24 x 24	204	204
30 x 16	78	213
30 x 20	138	165
30 x 30	252	252
36 x 18	84	259
36 x 24	170	191
36 x 36	298	298

FOR: UTILITIES DEPARTMENT CITY OF NAPLES
 DATE: JAN. 2016 PIPE RESTRAINT SCHEDULE SHEET: U-09
 DRAWN: DAG/AMH DIR: UTILSTDS
 SCALE: N.T.S. 380 RIVERSIDE CIRCLE, NAPLES, FL. 34102 DWG. U-09-16.DWG



LEGEND

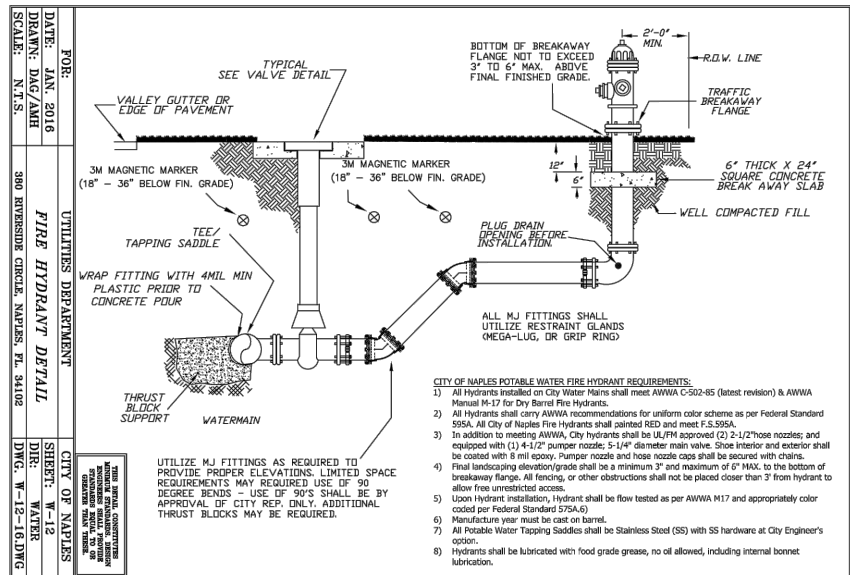
Revision	Date	Description

DESIGNED BY: R.D.F.
DRAWN BY: D.M.S.
APPROVED: R.D.F.
JOB CODE: CN007
SCALE: 11x17 N/A

GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

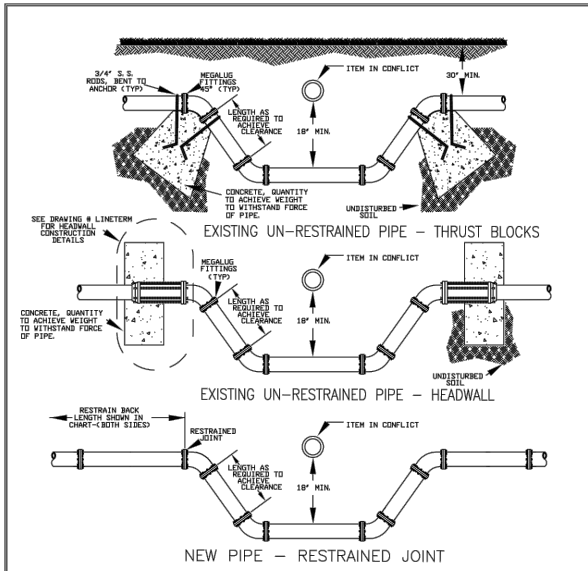
8th Street Improvements
 UTILITY ADJUSTMENT PLAN DETAILS
 ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/ROG: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% SUBMITTAL
SHEET 11 OF 96



FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-12
 DIR: UTILSTDS
 DWG. U-12-16.DWG



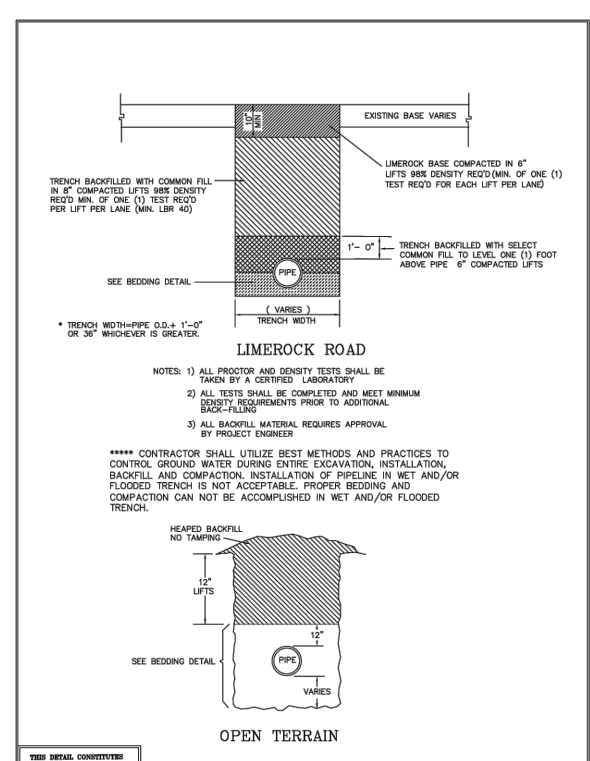
*RESTRAINED JOINT PIPE DISTANCES FOR NEW PIPE (IN FEET)

PIPE SIZE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
8"	74	31	15	7
10"	87	36	17	9
12"	100	41	20	10
16"	123	51	24	12
20"	143	59	29	14
24"	162	67	32	16
30"	184	76	37	18
36"	207	86	41	20

*FOR FITTINGS NOT SHOWN HERE, REFER TO PIPE RESTRAINT DETAIL DRAWING

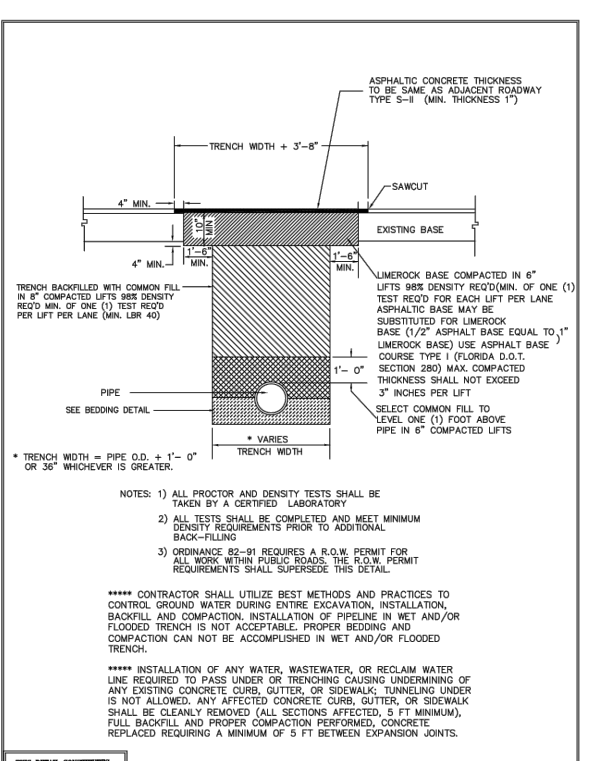
FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-08
 DIR: UTILSTDS
 DWG. U-08-16.DWG



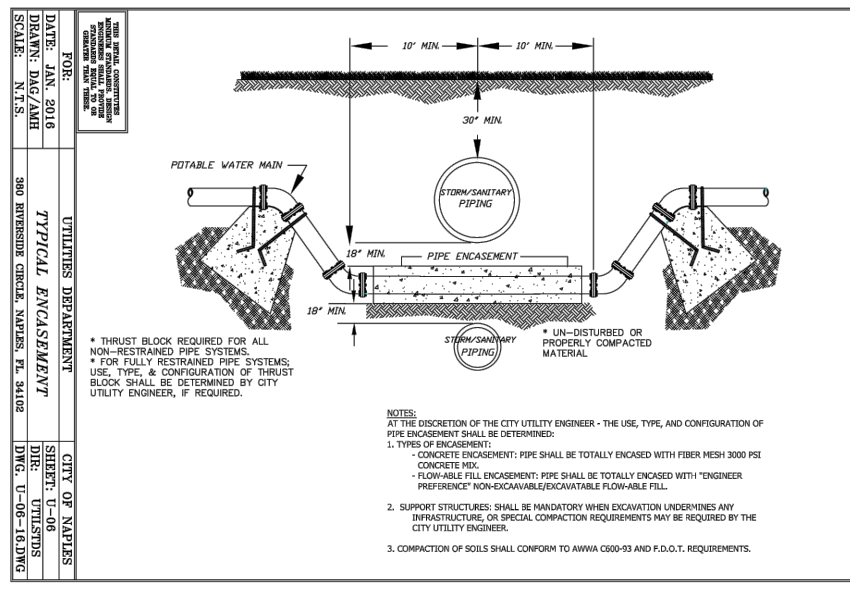
FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-01
 DIR: UTILITIES
 DWG. U-01-16.DWG



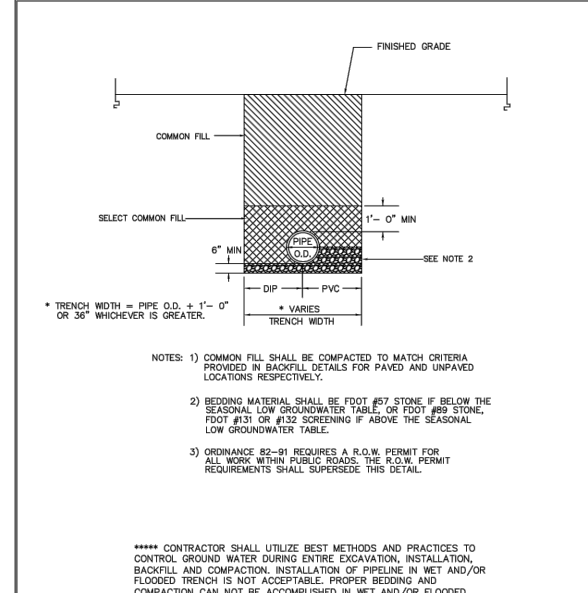
FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-02
 DIR: UTILITIES
 DWG. U-02-16.DWG



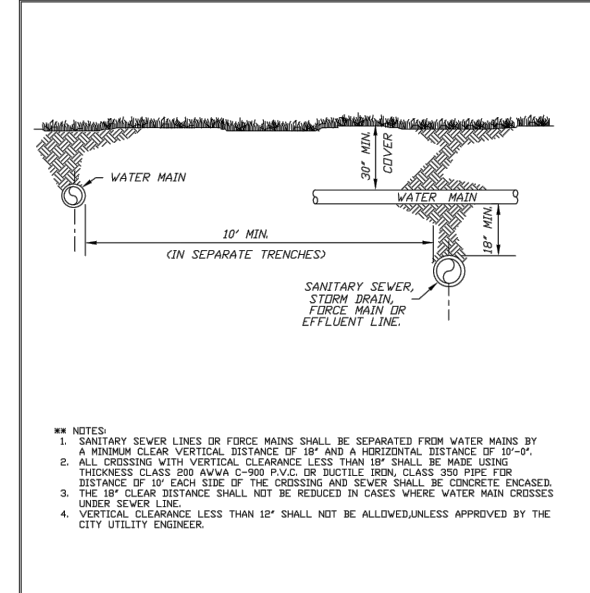
FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-06
 DIR: UTILSTDS
 DWG. U-06-16.DWG



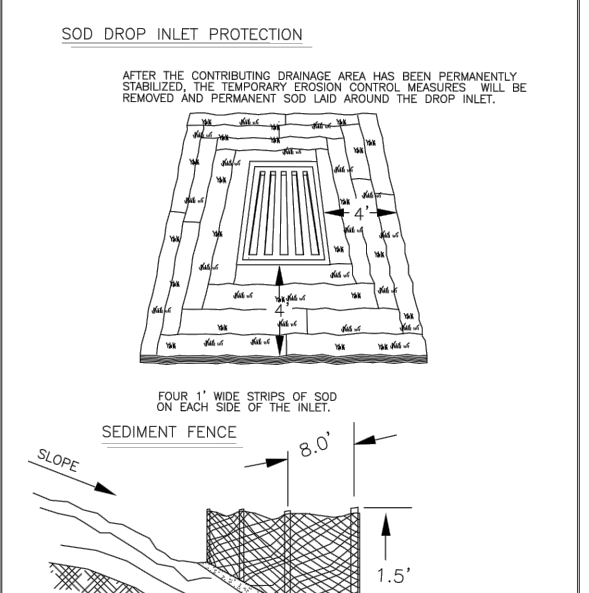
FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-03
 DIR: UTILITIES
 DWG. U-03-16.DWG



FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-07
 DIR: UTILSTDS
 DWG. U-07-16.DWG



FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-17
 DIR: UTILSTDS
 DWG. U-17-16.DWG

LEGEND

Revision	Date	Description

DESIGNED BY: R.D.F.
 DRAWN BY: D.M.S.
 APPROVED: R.D.F.
 JOB CODE: CN007
 SCALE: 11x17 N/A

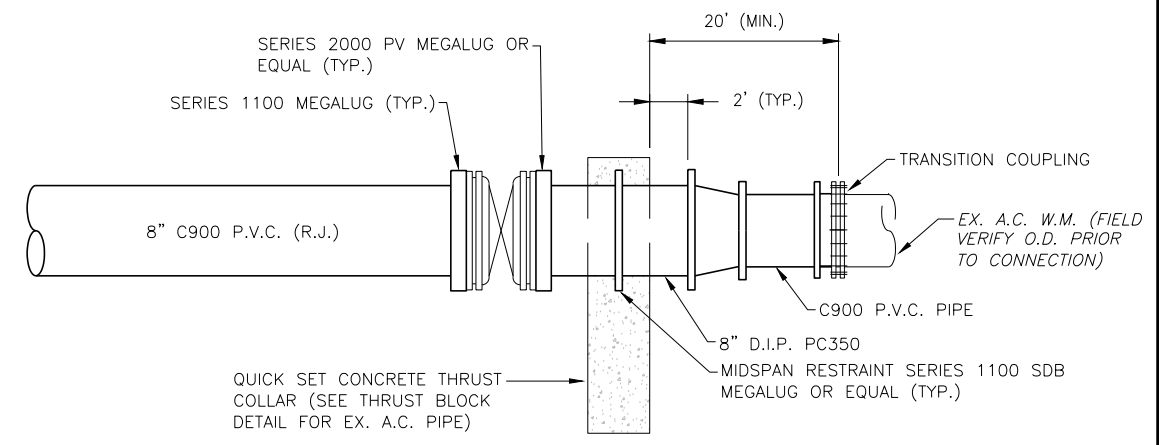
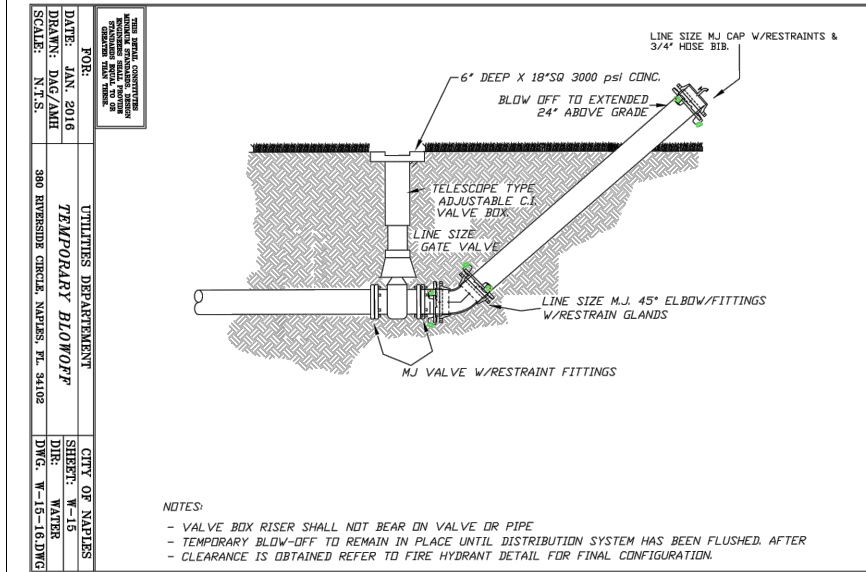
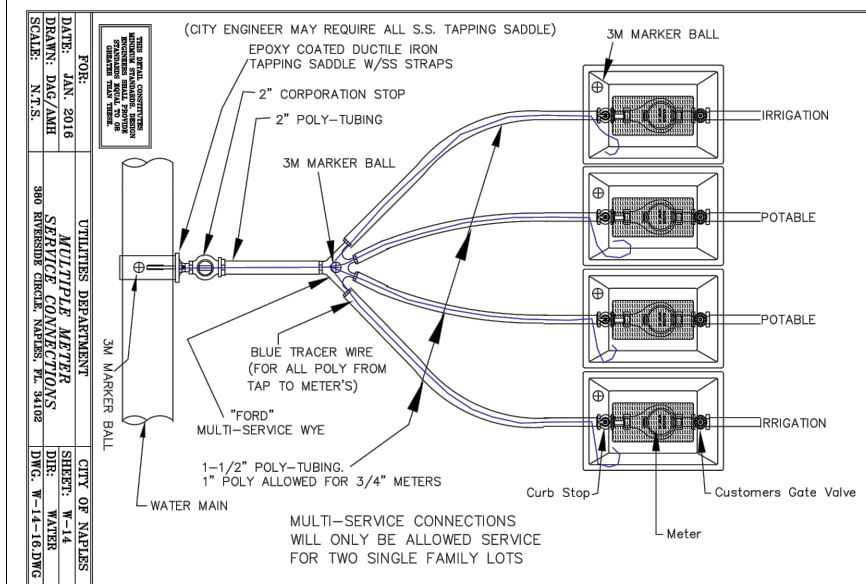
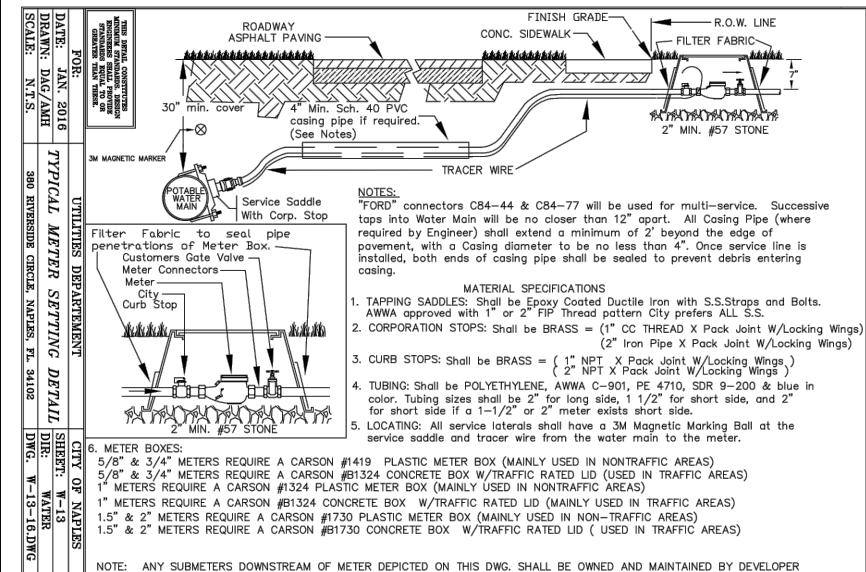
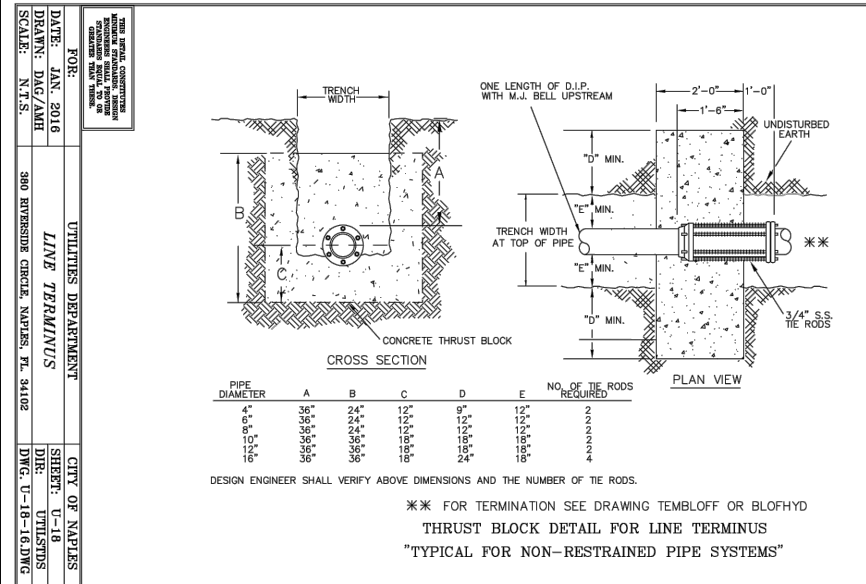
GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

8th Street Improvements
 UTILITY ADJUSTMENT PLAN DETAILS
 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

FOR: UTILITIES DEPARTMENT
 DATE: JAN. 2016
 DRAWN: DAG/AMH
 SCALE: N.T.S.

CITY OF NAPLES
 SHEET: U-17
 DIR: UTILSTDS
 DWG. U-17-16.DWG

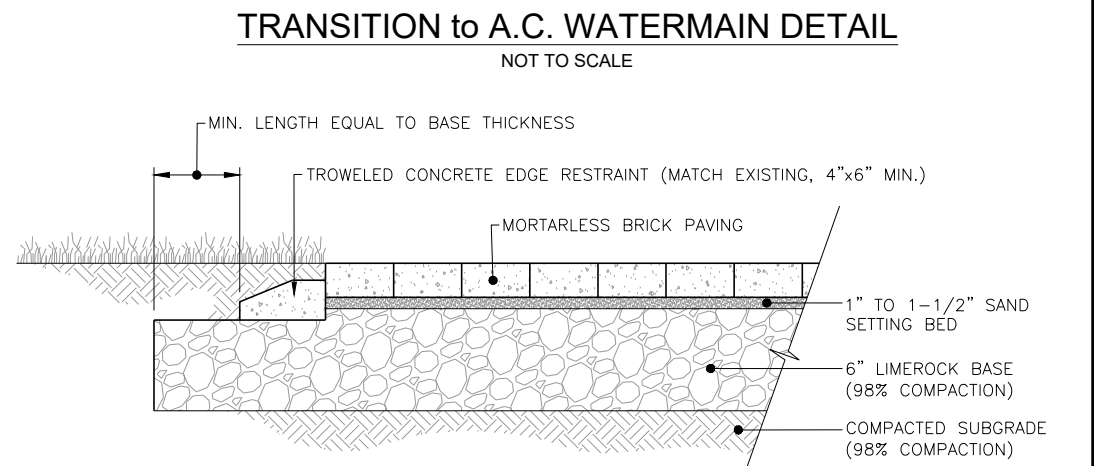
MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/ROG: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% SUBMITTAL
 SHEET 12 OF 96



PIPE DIAMETER	A	B	C	D	E	NUMBER OF TIE RODS REQUIRED	CY.
4"	9"	36"	20"	16"	3'-10"	2	.85
6"	12"	36"	21"	15"	4'-6"	2	1.00
8"	12"	36"	22"	14"	4'-8"	2	1.04
10"	12"	36"	23"	13"	4'-10"	2	1.07
12"	18"	36"	24"	12"	6'-0"	2	1.33
16"	18"	36"	32"	4"	6'-4"	4	1.41

DESIGN ENGINEER SHALL VERIFY ABOVE DIMENSIONS AND THE NUMBER OF TIE RODS.

- NOTES:
- CONTRACTOR SHALL COMPLETE CLEANING AND DISINFECTION PER SPECIFICATIONS PRIOR TO COMPLETING CONNECTION TO A.C. W.M. CONTRACTOR TO SWAB CONNECTIONS IN ACCORDANCE WITH AWWA AND PERMITTING REQUIREMENTS.
 - CONTRACTOR SHALL WAIT TO PRESSURIZE THE PIPELINE UNTIL THRUST COLLAR IS CURED.
 - CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF ALL CONNECTION JOINTS FOR LEAKAGE PRIOR TO BACKFILLING (IN PRESENCE OF ENGINEER) AND PRESSURE TEST BETWEEN VALVES.
 - NEW PIPE JOINTS PER COLLIER COUNTY DETAIL G-10 (DEAD ENDS).
 - ALL RESTRAINING DEVICES SHALL HAVE MEGABOND (OR EQUAL) COATING AND SS HARDWARE.
 - CONTRACTOR SHALL FILL TRENCH WITH EXCAVATABLE FLOWABLE FILL TO 6 INCHES ABOVE TOP OF PIPES.



- NOTES:
- PROVIDE CONCRETE EDGE RESTRAIN/CURB ALONG ALL UNRESTRAINED EDGES OF PAVER DRIVEWAYS.
 - PROVIDE JOINTING SAND BETWEEN BRICK PAVERS.

TYPICAL BRICK PAVER DRIVEWAY
(compacted base and subgrade)
NOT TO SCALE

LEGEND Revision Date Description By	DESIGNED BY: R.D.F. DRAWN BY: D.M.S. APPROVED: R.D.F. JOB CODE: CN007 SCALE: 11x17 N/A	 GradyMinor Civil Engineers • Land Surveyors • Planners • Landscape Architects Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380	8th Street Improvements UTILITY ADJUSTMENT PLAN DETAILS 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/RGB: 34/49S & 3/50S/25E DATE: DECEMBER, 2018 SUBMITTAL TYPE: 100% SUBMITTAL SHEET 13 OF 96
	CITY OF NAPLES UTILITIES DEPARTMENT 380 BIVENSIDE CIR. N. NAPLES, FL 34102 DATE: JAN. 2016 DRAWN: DAG/AHM SCALE: N.T.S. SHEET: W-15 DWG: W-15-16.DWG		CITY OF NAPLES UTILITIES DEPARTMENT 380 BIVENSIDE CIR. N. NAPLES, FL 34102 DATE: JAN. 2016 DRAWN: DAG/AHM SCALE: N.T.S. SHEET: W-15 DWG: W-15-16.DWG	

GENERAL NOTES:

1. THE BENCHMARK DATUM IS NAVD 88.
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 MONUMENT SHALL BE REMOVED AND RELOCATED BY A SURVEYOR AND MAPPER LICENSED IN THE STATE OF FLORIDA. THE ENGINEER, IN CONJUNCTION WITH THE CITY ENGINEER, SHALL BE NOTIFIED AND FURNISHED WITH THE SIGNED AND SEALED CERTIFICATION OF THE MONUMENT LOCATION.
3. STATIONS AND OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
5. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
6. ALL DISTURBED AREAS, INCLUDING AREAS OUTSIDE THE CONSTRUCTION LIMITS, SHALL BE RETURNED TO THEIR PRE-CONSTRUCTION CONDITIONS, AS DETERMINED BY THE ENGINEER, AT NO COST TO THE CITY. GRASS AREAS SHALL BE SODDED, NOT SEEDED AND MULCHED.
7. ALL TREE BRANCHES LOCATED WITHIN THE AREA OF THE EDGE OF THE TRAVELLED WAY AND THE RIGHT-OF-WAY LIMIT SHALL BE TRIMMED TO PROVIDE A CLEAR HEIGHT OF 16 FT. ABOVE THE ROADWAY. COST TO BE INCLUDED IN STANDARD CLEARING AND GRUBBING.
8. TREE TRIMMING AS DIRECTED BY THE CITY WILL BE REQUIRED AT SPECIFIC LOCATIONS FOR LIGHT POLES. COST TO BE INCLUDED IN COST OF LIGHT POLE COMPLETE.
9. THERE SHALL BE NO CHANGE OR DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER.
10. ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH EARTHWORK GRADING SHALL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS WHERE APPLICABLE.
11. COST OF SAWCUT AND CONCRETE COLLAR IS INCIDENTAL TO COST OF ADJOINING PIPE.
12. THE CONTRACTOR IS REQUIRED TO SAWCUT EXISTING PAVEMENT AS NECESSARY TO PROVIDE A UNIFORM CONSTRUCTION JOINT FOR ALL AREAS REQUIRING ASPHALT WORK OR CURB CONSTRUCTION. THE COST OF SAWCUTTING A CLEAN CONSTRUCTION WILL BE INCIDENTAL TO THE ADJACENT WORK.
13. EXISTING SIDEWALK REQUIRING REPLACEMENT AS SHOWN IN THE PLANS SHALL BE SAWCUT AND REMOVED AT THE NEAREST JOINT BEYOND THE STATIONS CALLED FOR IN THE PLANS.
14. PRUNE TREE ROOTS AT EDGE OF SIDEWALK WITH HIGH RPM ROOT PRUNING EQUIPMENT TO ENSURE CLEAN CUT. THE COST OF THIS WORK IS CONSIDERED INCIDENTAL TO THE COST OF THE PROPOSED SIDEWALK.
15. RESTORATION OF EXISTING PAVEMENT NOT OTHERWISE DELINEATED IN THE PLANS TO BE INCIDENTAL TO THE COST OF THE ASSOCIATED WORK.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION OR CLAIM FOR DELAY FOR DIFFERENT SITE CONDITION.
17. THE DISPOSAL OF EXCESS EARTHWORK MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCESS MATERIAL IS THE PROPERTY OF THE CONTRACTOR.
18. CONTRACTOR SHALL PREVENT CONSTRUCTION MATERIAL FROM ENTERING THE DRAINAGE SYSTEM BY THE PREVENTION AND CONTROL OF ANY EROSION, SEDIMENTATION OR SURFACE WATER TURBIDITY CAUSED BY HIS ACTIVITY.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A DEWATERING PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT AS REQUIRED (IF APPLICABLE). NO EXTRA COMPENSATION FOR DEWATERING WILL BE ALLOWED.
20. THE CONTRACTOR SHALL NOTIFY RESIDENCES & BUSINESSES AT LEAST 48 HOURS IN ADVANCE OF ANY DISRUPTION OF SERVICES, INCLUDING DRIVEWAY CUTS.

UTILITY GENERAL NOTES:

1. EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL CALL THE SUNSHINE ONE CALL OF FLORIDA, INC. AT 1-800-432-4770 AND UTILITY OWNERS TWO (2) WORKING DAYS IN ADVANCE BEFORE BEGINNING WORK. ALL UTILITY OWNERS MAY NOT BE A MEMBER, REQUIRING DIRECT CONTACT.
3. THE LOCATIONS OF THE UTILITIES IN THE PLANS ARE BASE ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. INTERPOLATION BETWEEN THESE POINTS HAVE NOT YET BEEN VERIFIED.
4. CONTRACTOR SHALL COORDINATE WITH UTILITIES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE TO COORDINATE SUPPORT FOR EXISTING UTILITY POLES DURING CONSTRUCTION.
5. UTILITY OWNERS:

TECO PEOPLES GAS – FT MYERS JOAN DOMNING (813) 275-3783	CENTURYLINK – NAPLES JIGS SLIANG (239) 263-6234	CITY OF NAPLES – SEWER ALLYSON ACEVEDO (239) 213-4712
CITY OF NAPLES – WATER ALLYSON ACEVEDO (239) 213-4712	COMCAST LEONARD MAXWELL-NEWBOLD (954) 447-8405	FLORIDA POWER & LIGHT JOEL BRAY (386) 586-6403
CROWN CASTLE FIBER DANNY HASKETT (786) 610-7073	HOTWIRE COMMUNICATIONS WALTER SANCHO-DAVILA (954) 699-0900	COLLIER COUNTY IT JOE OLIVER (239) 525-6205
SUMMIT BROADBAND INC. MIKE REBER (239) 325-4105		

LEGEND

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17 N/A



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

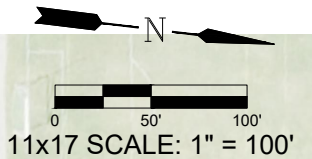
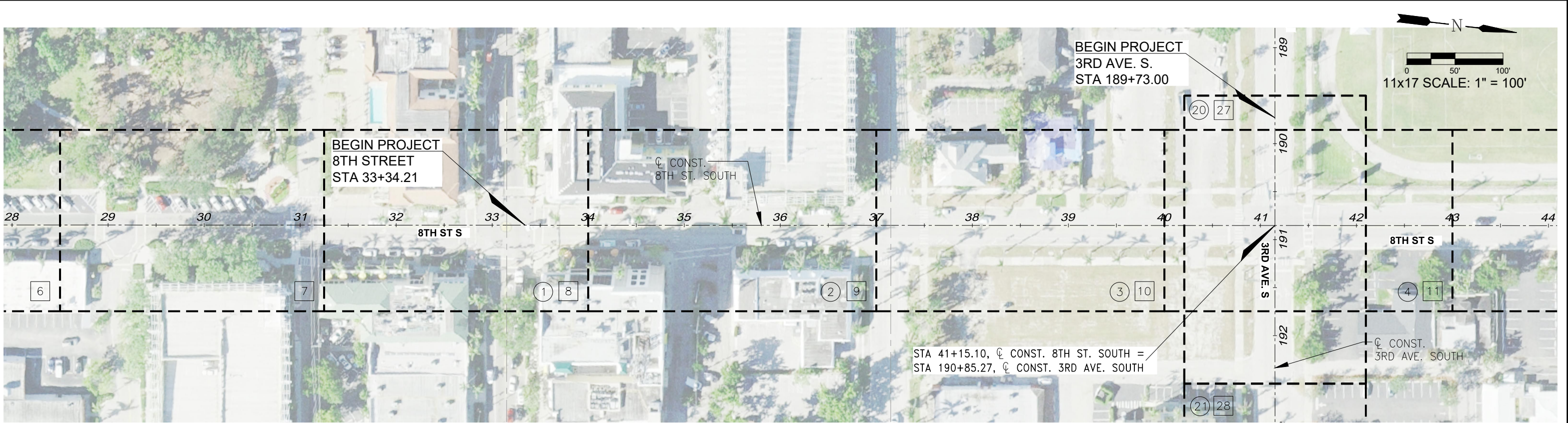
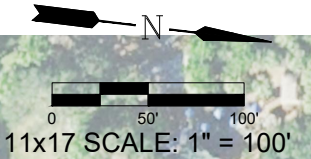
GENERAL NOTES

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/RGB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET 14 OF 96	

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\100%CN007-COY 12/18/2018 6:58 AM



(CONTINUED ON SHEET 11)

LEGEND	
①	PLAN SHEET NUMBER
1	UTILITY ADJUSTMENT SHEET NUMBER

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17" = 100'

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

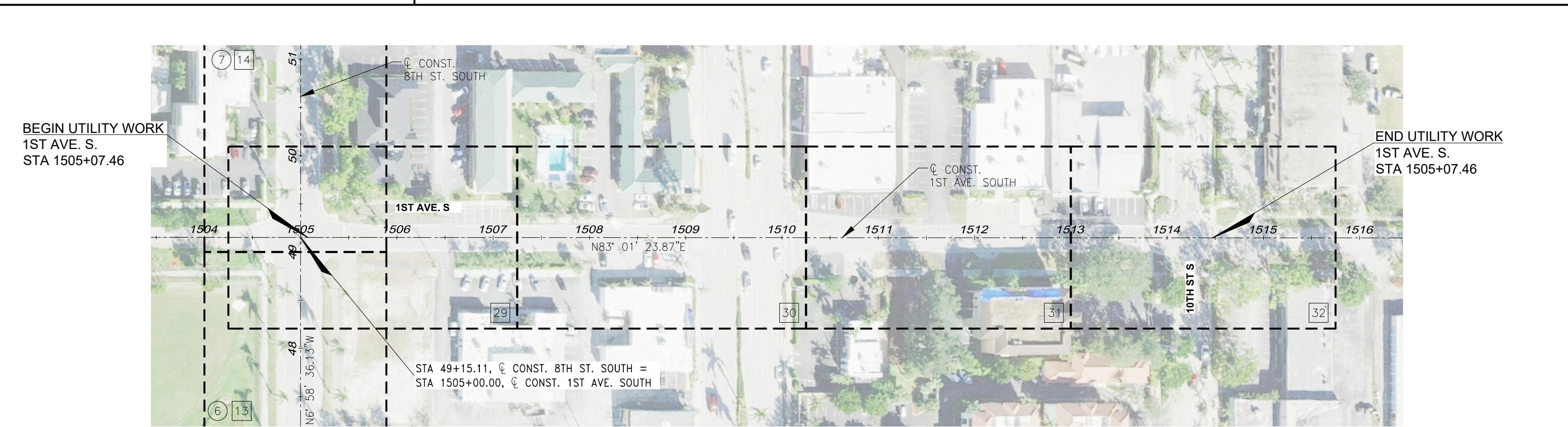
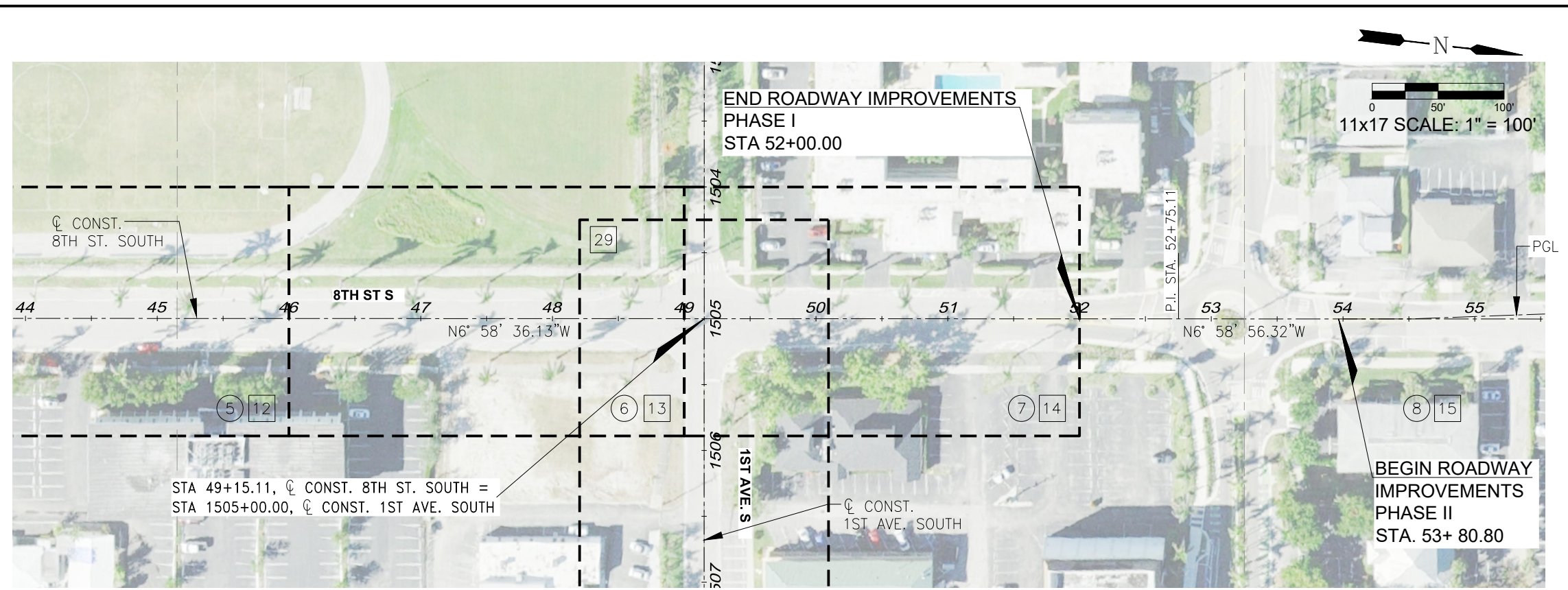
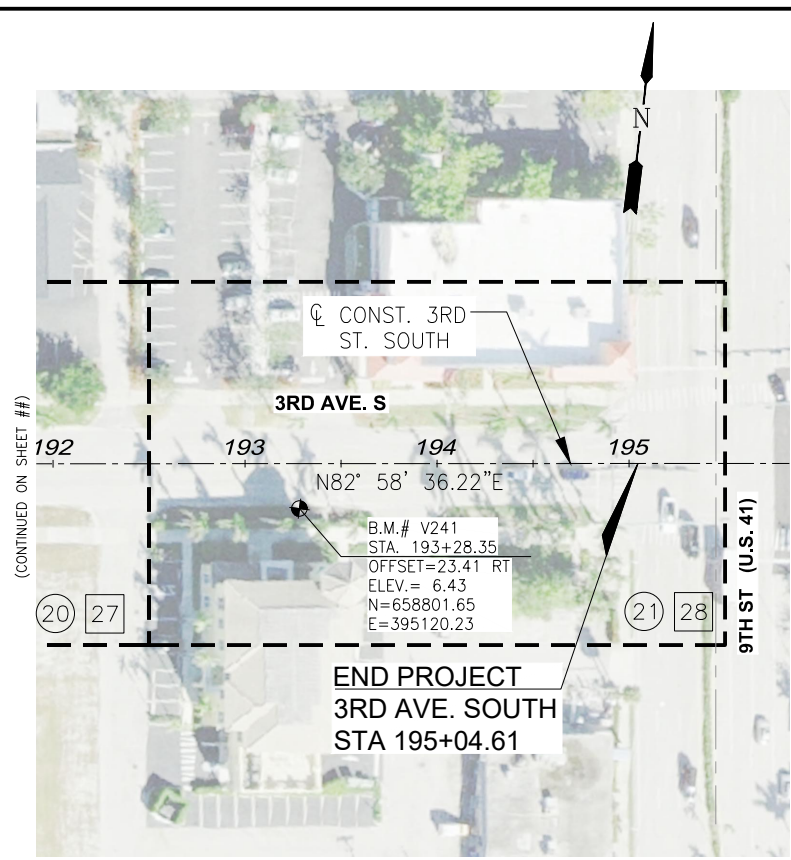
PROJECT LAYOUT SHEET - 1

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/RGB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	10 OF 96

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

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% \CN007-PROJ-PLANS 12/9/2018 1:19 PM



LEGEND

1	PLAN SHEET NUMBER
1	UTILITY ADJUSTMENT SHEET NUMBER

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17" = 100'

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

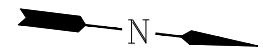
PROJECT LAYOUT SHEET - 2

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

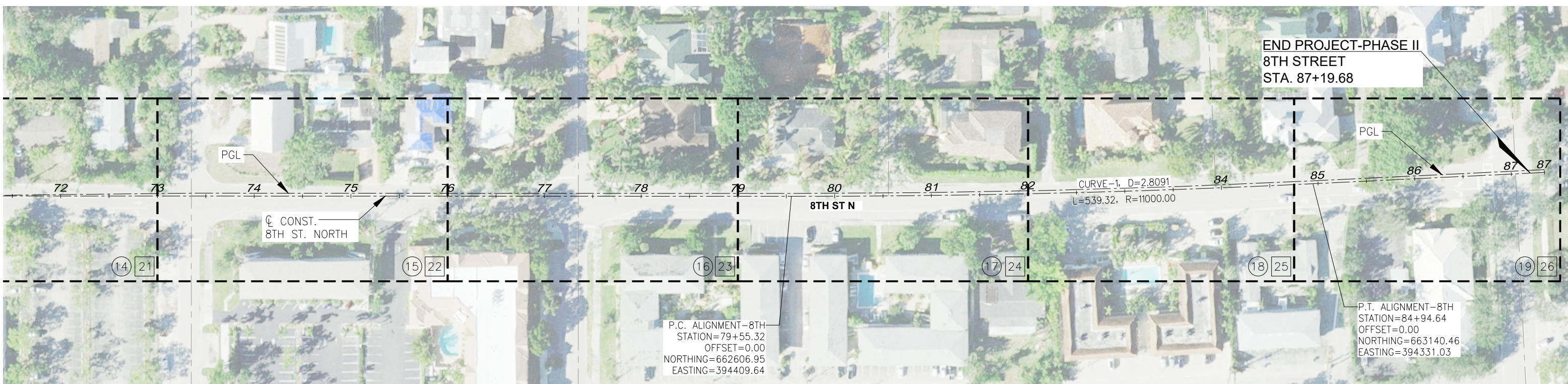
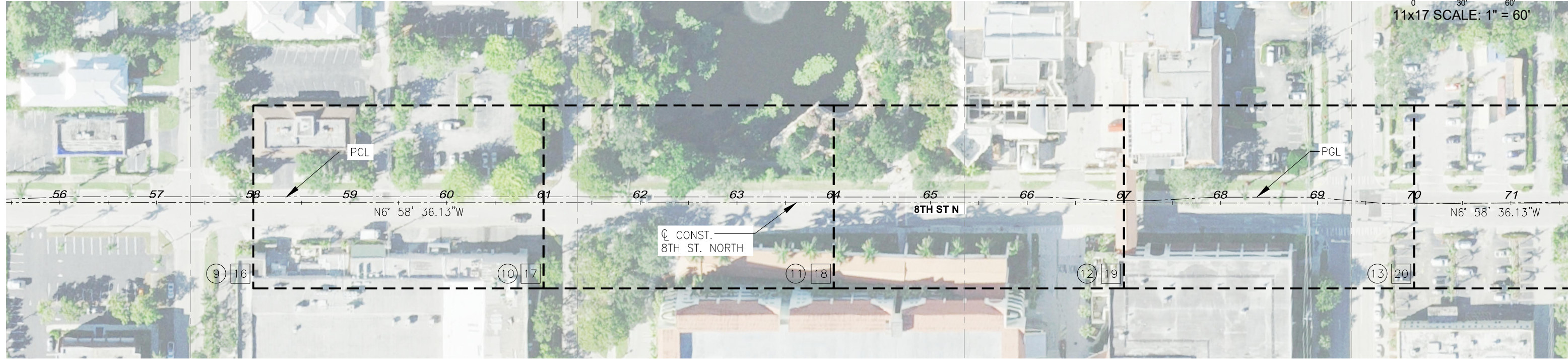
MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	11 OF 96

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

G:\ENGINEERING\PROJ-ENG\CN007\GDWGS\SUBMITTYPE\90%\CN007-PROJ-PLANS 12/9/2018 1:19 PM



0 30' 60'
11x17 SCALE: 1" = 60'



LEGEND	
①	PLAN SHEET NUMBER
1	UTILITY ADJUSTMENT SHEET NUMBER

Revision	Date	Description	By

DESIGNED BY: R.D.F.
DRAWN BY: D.M.S.
APPROVED: R.D.F.
JOB CODE: CN007
SCALE: 11x17/#####

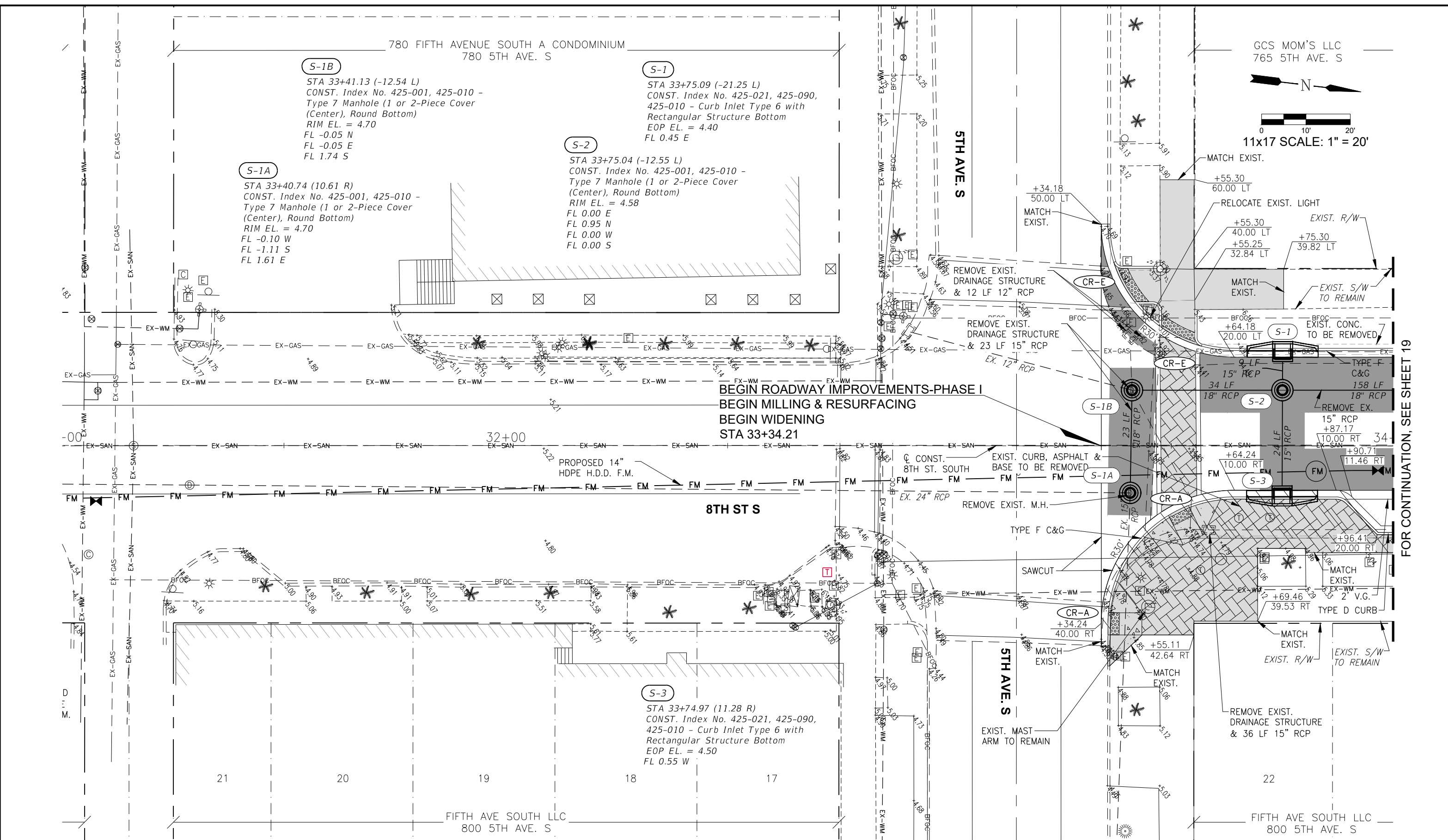
GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
Business LC 26000266
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

8th Street Improvements
PROJECT LAYOUT 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

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

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 12 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%\CN007-PROJ-PLANS 12/9/2018 1:19 PM



GCS MOM'S LLC
765 5TH AVE. S

11x17 SCALE: 1" = 20'

BEGIN ROADWAY IMPROVEMENTS-PHASE I
BEGIN MILLING & RESURFACING
BEGIN WIDENING
STA 33+34.21

FOR CONTINUATION, SEE SHEET 19

LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED ASPHALT, CURB & GUTTER 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
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

PLAN SHEET - 1

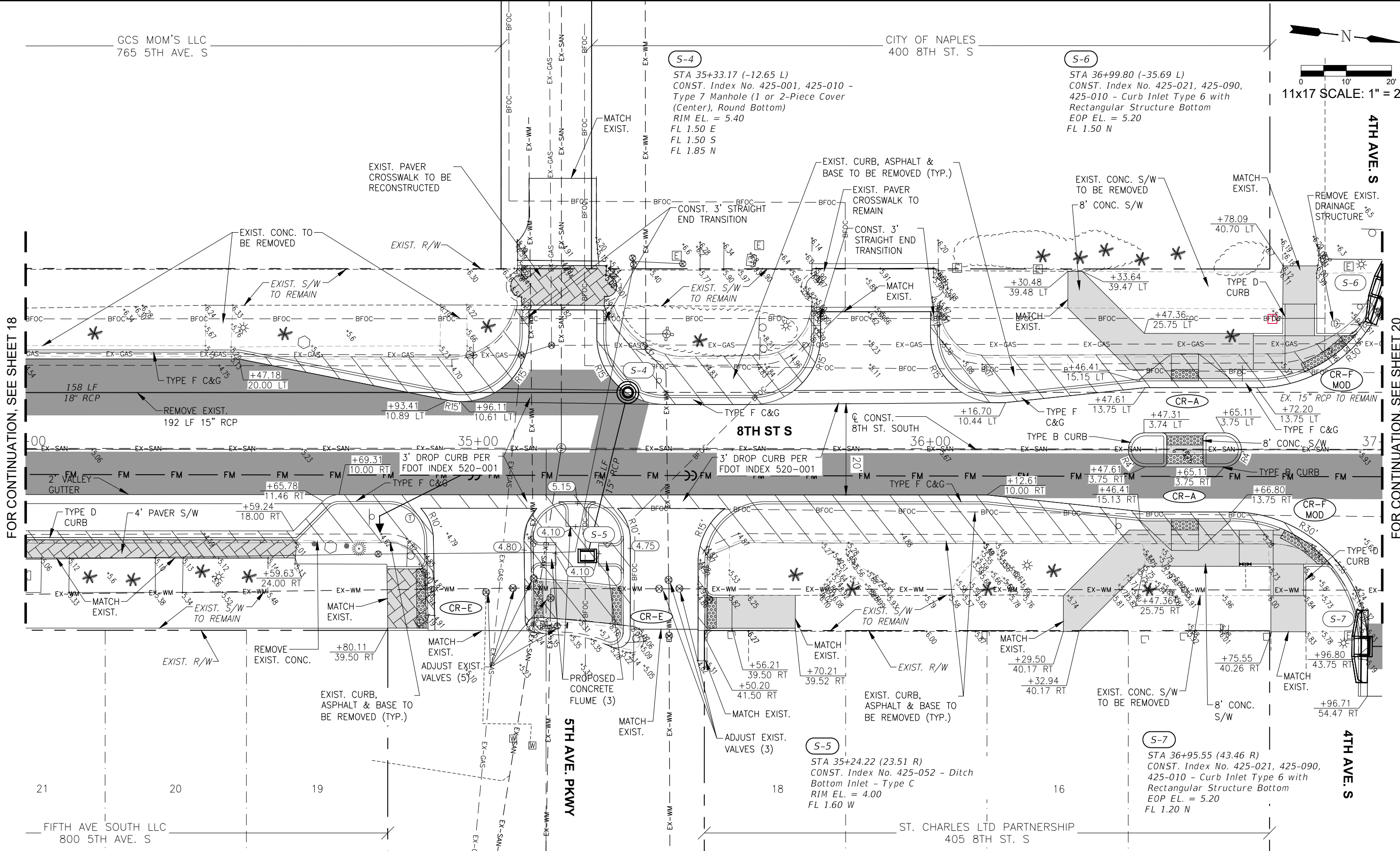
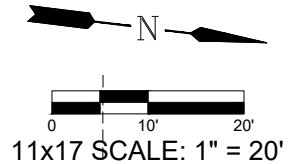
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 18 OF 96

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

GCS MOM'S LLC
765 5TH AVE. S

CITY OF NAPLES
400 8TH ST. S



FOR CONTINUATION, SEE SHEET 18

FOR CONTINUATION, SEE SHEET 20

LEGEND

	PROPOSED WIDENING
	PROPOSED PAVER
	PROPOSED 6" CONCRETE
	PROPOSED 4" CONCRETE SIDEWALK
	PROPOSED ASPHALT, CURB & GUTTER REMOVAL

Revision	Date	Description	By

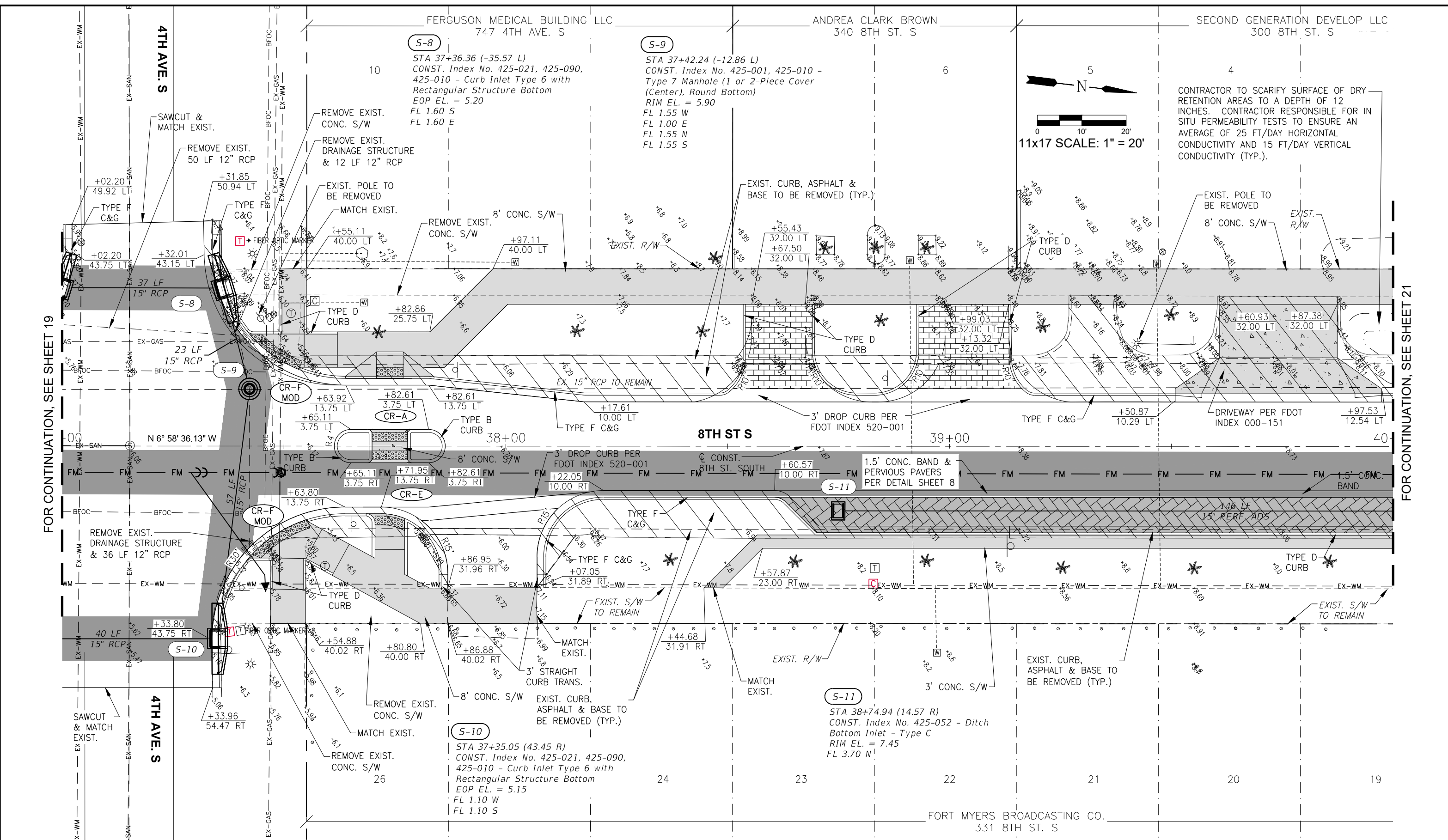
DESIGNED BY: R.D.F.
 DRAWN BY: D.M.S.
 APPROVED: R.D.F.
 JOB CODE: CN007
 SCALE: 11x17 1" = 20'

GradyMinor
 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
 PLAN SHEET - 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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 19 OF 96

C:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% PLAN\8th Street Improvements - 12/14/2018 10:39 AM



FOR CONTINUATION, SEE SHEET 19

FOR CONTINUATION, SEE SHEET 21

LEGEND	
	PROPOSED WIDENING
	PROPOSED PAVEMENT
	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

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

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	20 OF 96

DP LLC SECOND GENERATION DEVELOP LLC
300 8TH ST. S

SCHOOL DISTRICT-GVM
255 6TH ST. S

S-13
STA 40+38.01 (-21.73 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C
RIM EL. = 8.50
FL 5.00 E

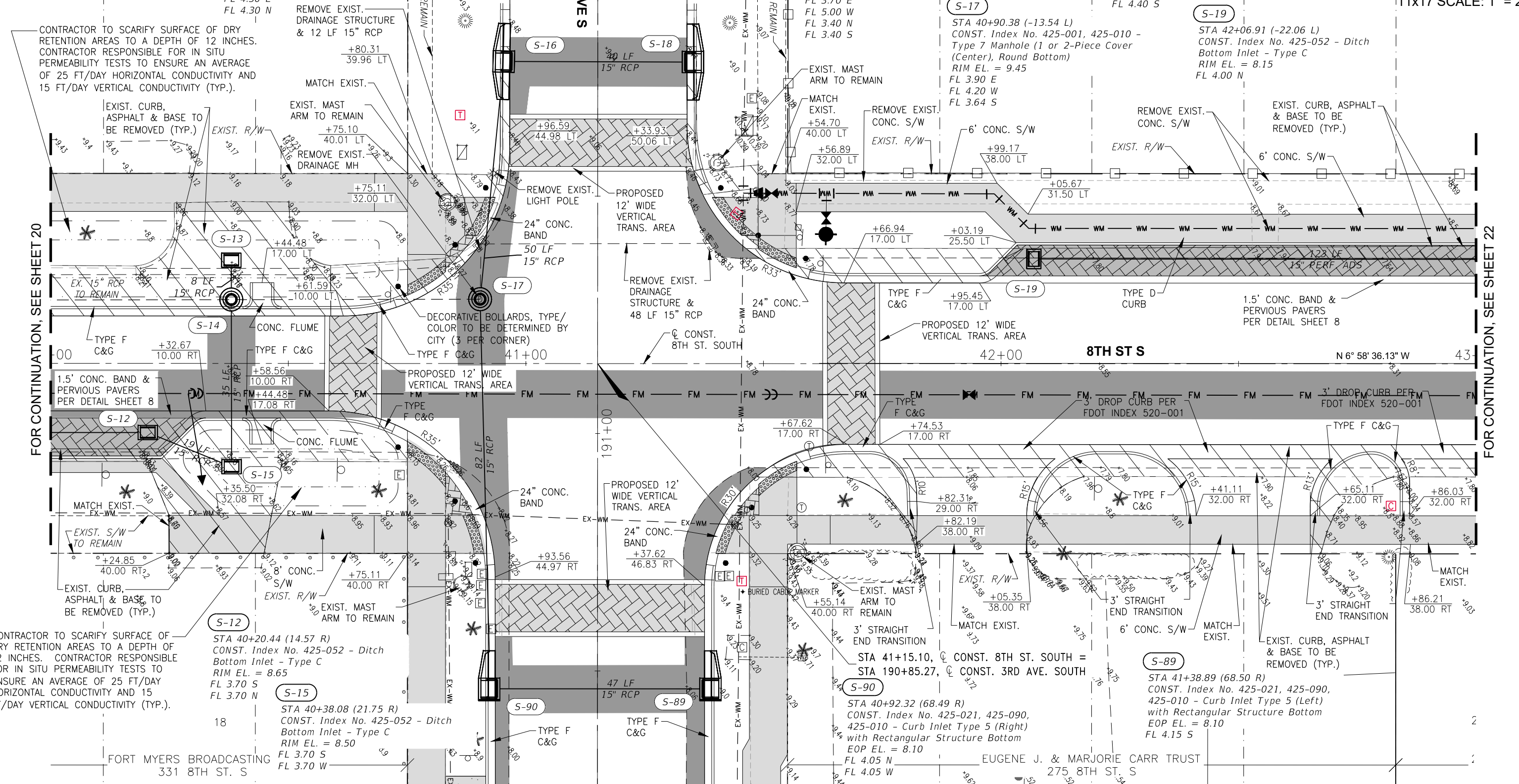
S-16
STA 40+95.33 (-63.60 L)
CONST. Index No. 425-021, 425-090,
425-010 - Curb Inlet Type 6 with
Rectangular Structure Bottom
EOP EL. = 8.41
FL 4.30 E
FL 4.30 N

S-14
STA 40+38.02 (-13.45 L)
CONST. Index No. 425-001, 425-010 -
Type 7 Manhole (1 or 2-Piece Cover
(Center), Rectangular Bottom)
RIM EL. = 9.30
FL 3.70 E
FL 5.00 W
FL 3.40 N
FL 3.40 S

S-18
STA 41+35.15 (-63.50 L)
CONST. Index No. 425-021, 425-090, 7
425-010 - Curb Inlet Type 6 with
Rectangular Structure Bottom
EOP EL. = 8.55
FL 4.40 S

S-19
STA 42+06.91 (-22.06 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C
RIM EL. = 8.15
FL 4.00 N

S-17
STA 40+90.38 (-13.54 L)
CONST. Index No. 425-001, 425-010 -
Type 7 Manhole (1 or 2-Piece Cover
(Center), Round Bottom)
RIM EL. = 9.45
FL 3.90 E
FL 4.20 W
FL 3.64 S



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.).

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 PAVER
	PROPOSED 6\"/>
	PROPOSED 4\"/>
	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\"/>

GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134
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
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

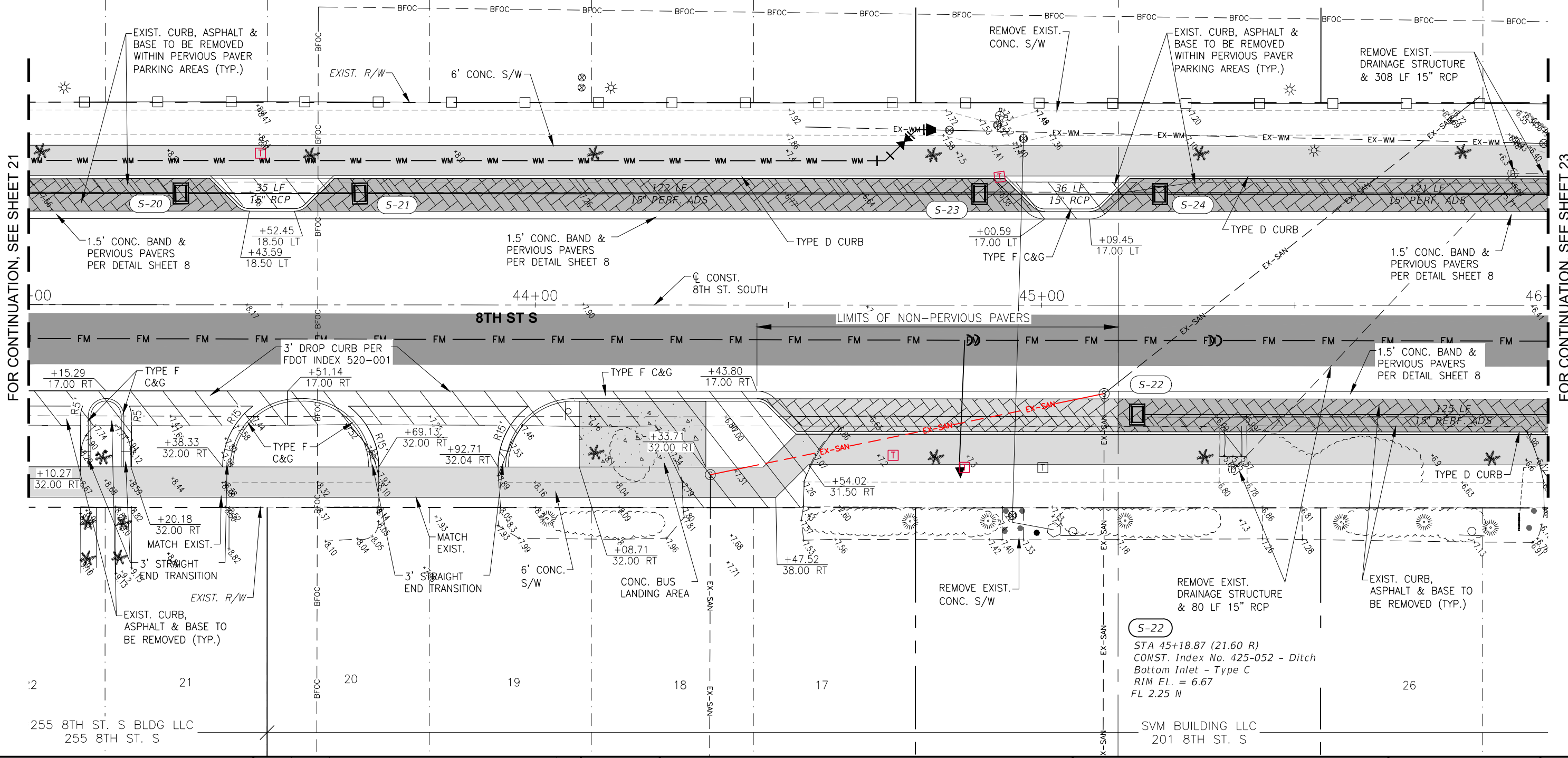
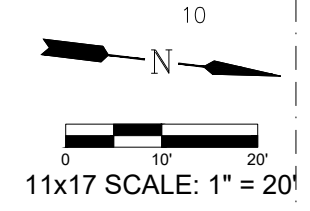
MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 21 OF 96

S-20
STA 43+30.03 (-22.00 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C Per Drainage
Structure Detail
RIM EL. = 7.75
FL 3.15 S
FL 3.15 N

S-21
STA 43+65.38 (-21.98 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C
RIM EL. = 7.62
FL 3.15 S
FL 3.15 N

S-23
STA 44+87.73 (-21.94 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C Per Drainage
Structure Detail
RIM EL. = 6.90
FL 3.15 S
FL 2.35 N

S-24
STA 45+23.34 (-21.93 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C
RIM EL. = 6.65
FL 2.25 S
FL 2.25 N



FOR CONTINUATION, SEE SHEET 21

FOR CONTINUATION, SEE SHEET 23

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
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

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/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 22 OF 96

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

G:\ENGINEERING\PROJ-ENG\007\GTDWGS\SUBMITTAL\TYPE 90% PLAN\007-PLANS 12/14/2018 10:40 AM

SCHOOL DISTRICT-GVM
255 6TH ST. S



S-25

9 STA 46+43.86 (-21.93 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C Per Drainage
Structure Detail
RIM EL. = 6.04
FL 1.85 S
FL 2.25 N
FL 2.25 E

S-27

6 STA 46+80.46 (-21.93 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C
RIM EL. = 5.90
FL 1.75 S
FL 1.75 N

S-28

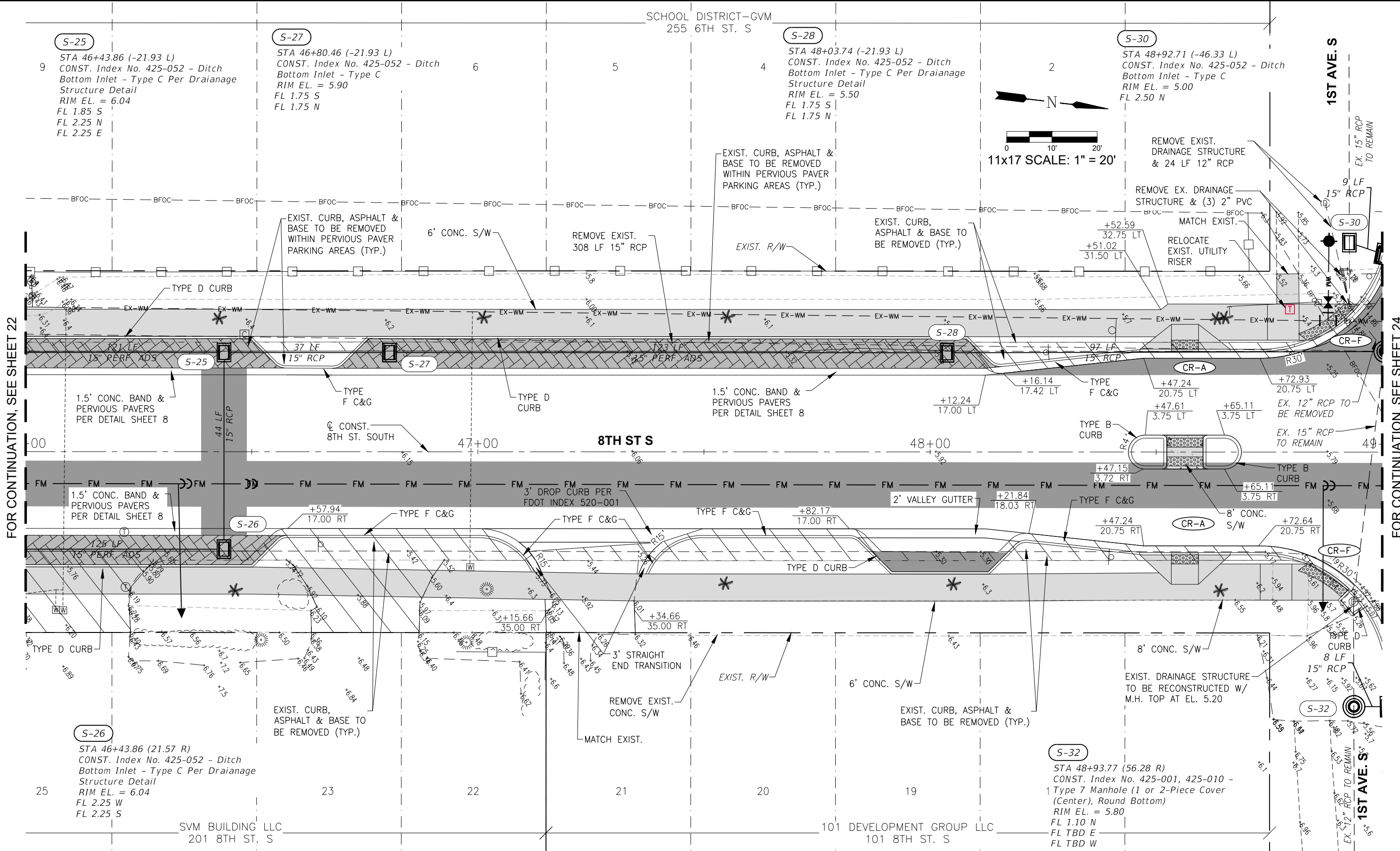
4 STA 48+03.74 (-21.93 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C Per Drainage
Structure Detail
RIM EL. = 5.50
FL 1.75 S
FL 1.75 N

S-30

2 STA 48+92.71 (-46.33 L)
CONST. Index No. 425-052 - Ditch
Bottom Inlet - Type C
RIM EL. = 5.00
FL 2.50 N

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'

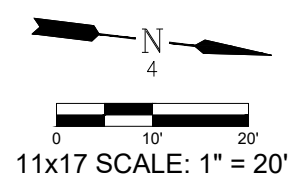
GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

8th Street Improvements
PLAN SHEET - 6
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/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 23 OF 96

1ST AVE. S

CENTRAL GARDEN CONDOMINIUM
766 CENTRAL AVE.

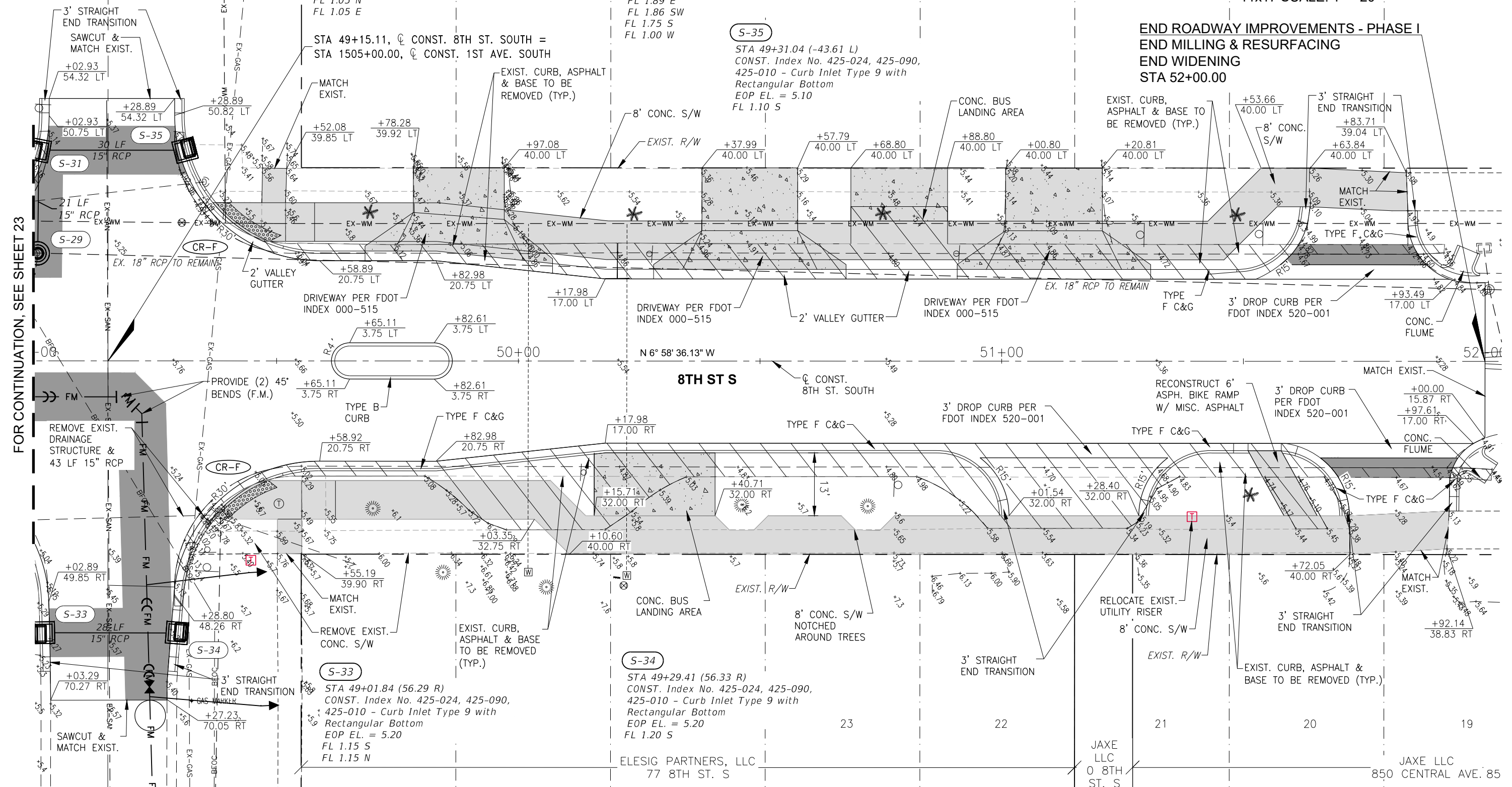


S-31
STA 49+00.77 (-43.60 L)
CONST. Index No. 425-024, 425-090,
425-010 - Curb Inlet Type 9 with
Rectangular Bottom
EOP EL. = 5.10
FL 2.30 S
FL 1.05 N
FL 1.05 E

S-29
STA 49+00.57 (-22.25 L)
CONST. Index No. 425-001, 425-010 -
Type 7 Manhole (1 or 2-Piece Cover
(Center), Round Bottom)
RIM EL. = 5.32
FL 1.69 N
FL 1.89 E
FL 1.86 SW
FL 1.75 S
FL 1.00 W

S-35
STA 49+31.04 (-43.61 L)
CONST. Index No. 425-024, 425-090,
425-010 - Curb Inlet Type 9 with
Rectangular Bottom
EOP EL. = 5.10
FL 1.10 S

END ROADWAY IMPROVEMENTS - PHASE I
END MILLING & RESURFACING
END WIDENING
STA 52+00.00



FOR CONTINUATION, SEE SHEET 23

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
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

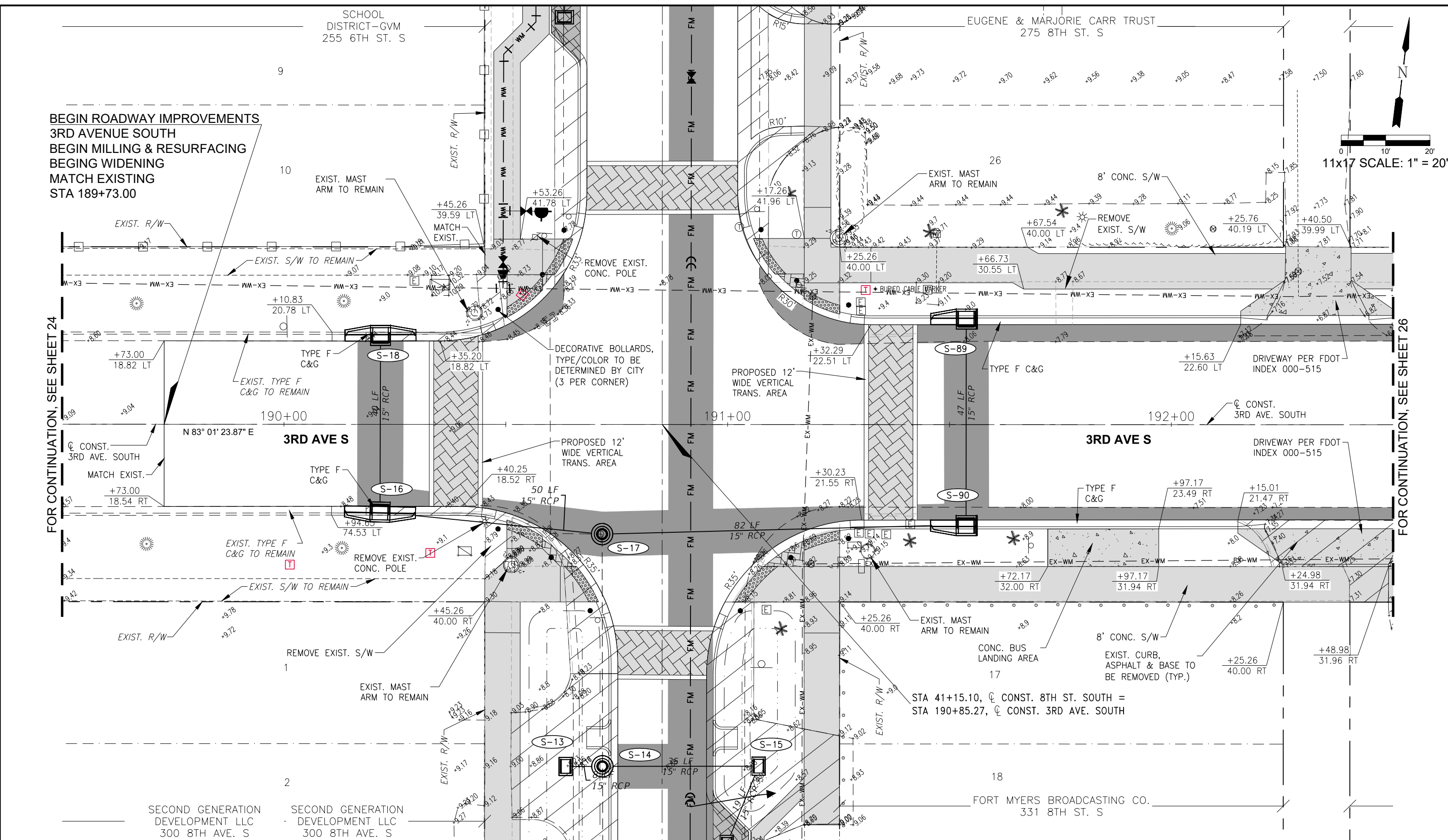
8th Street Improvements

PLAN SHEET - 7

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/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 24 OF 96

G:\ENGINEERING\PROJ-ENG\CAD\DWG\SUBMITTYPE\90%PLAN\12/14/2018 10:42 AM



BEGIN ROADWAY IMPROVEMENTS
 3RD AVENUE SOUTH
 BEGIN MILLING & RESURFACING
 BEGIN WIDENING
 MATCH EXISTING
 STA 189+73.00

11x17 SCALE: 1" = 20'

FOR CONTINUATION, SEE SHEET 24

FOR CONTINUATION, SEE SHEET 26

LEGEND

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

Revision	Date	Description

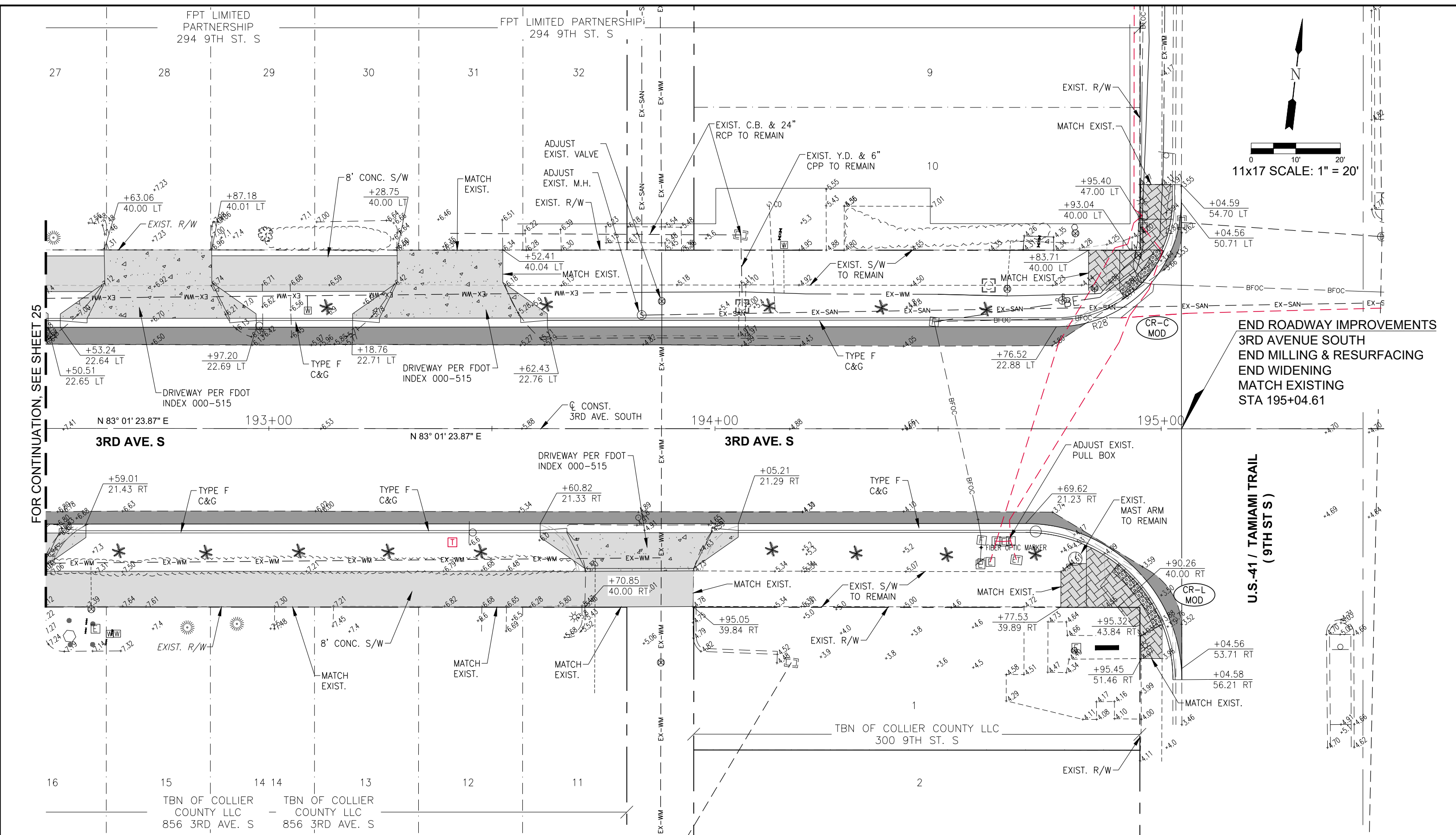
DESIGNED BY: R.D.F.
 DRAWN BY: D.M.S.
 APPROVED: R.D.F.
 JOB CODE: CN007
 SCALE: 11x17 1" = 20'

GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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

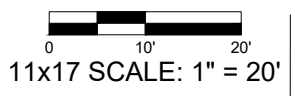
8th Street Improvements
 PLAN SHEET - 8
 ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/ROG: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 25 OF 96
 R. DANIEL FLYNN, P.E.
 FLORIDA P.E. LICENSE NO. 76205

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE90\8th\PLANS 12/14/2018 10:42 AM



FOR CONTINUATION, SEE SHEET 25



END ROADWAY IMPROVEMENTS
 3RD AVENUE SOUTH
 END MILLING & RESURFACING
 END WIDENING
 MATCH EXISTING
 STA 195+04.61

U.S.-41 / TAMiami TRAIL
(9TH ST S)

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:	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

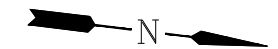
PLAN SHEET - 9

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

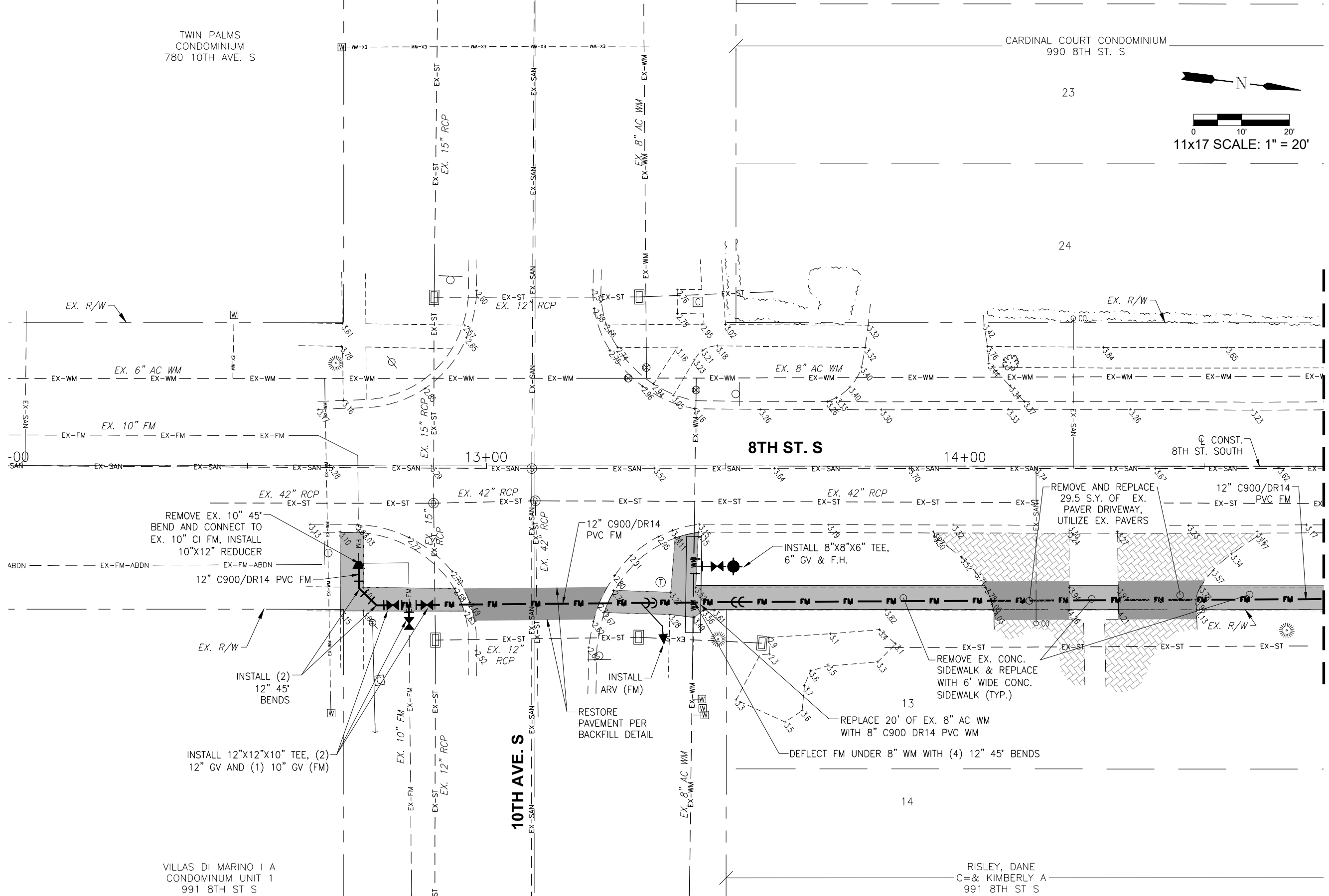
MUNICIPALITY:	CITY OF NAPLES
SEC./TWN./RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	26 OF 96

TWIN PALMS
CONDOMINIUM
780 10TH AVE. S

CARDINAL COURT CONDOMINIUM
990 8TH ST. S



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



FOR CONTINUATION, SEE SHEET 28

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'



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
 UTILITY ADJUSTMENT PLAN - 1
 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

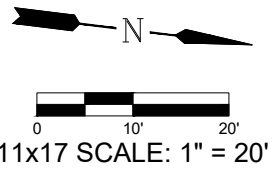
MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGE: 34/49S & 3/50S/25E
 DATE: NOVEMBER, 2018
 SUBMITTAL TYPE: 90% PLANS
 SHEET 27 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%\CN007-1A 12/18/2018 8:17 AM

ADOLPH,
RICHARD P
990 8TH ST S

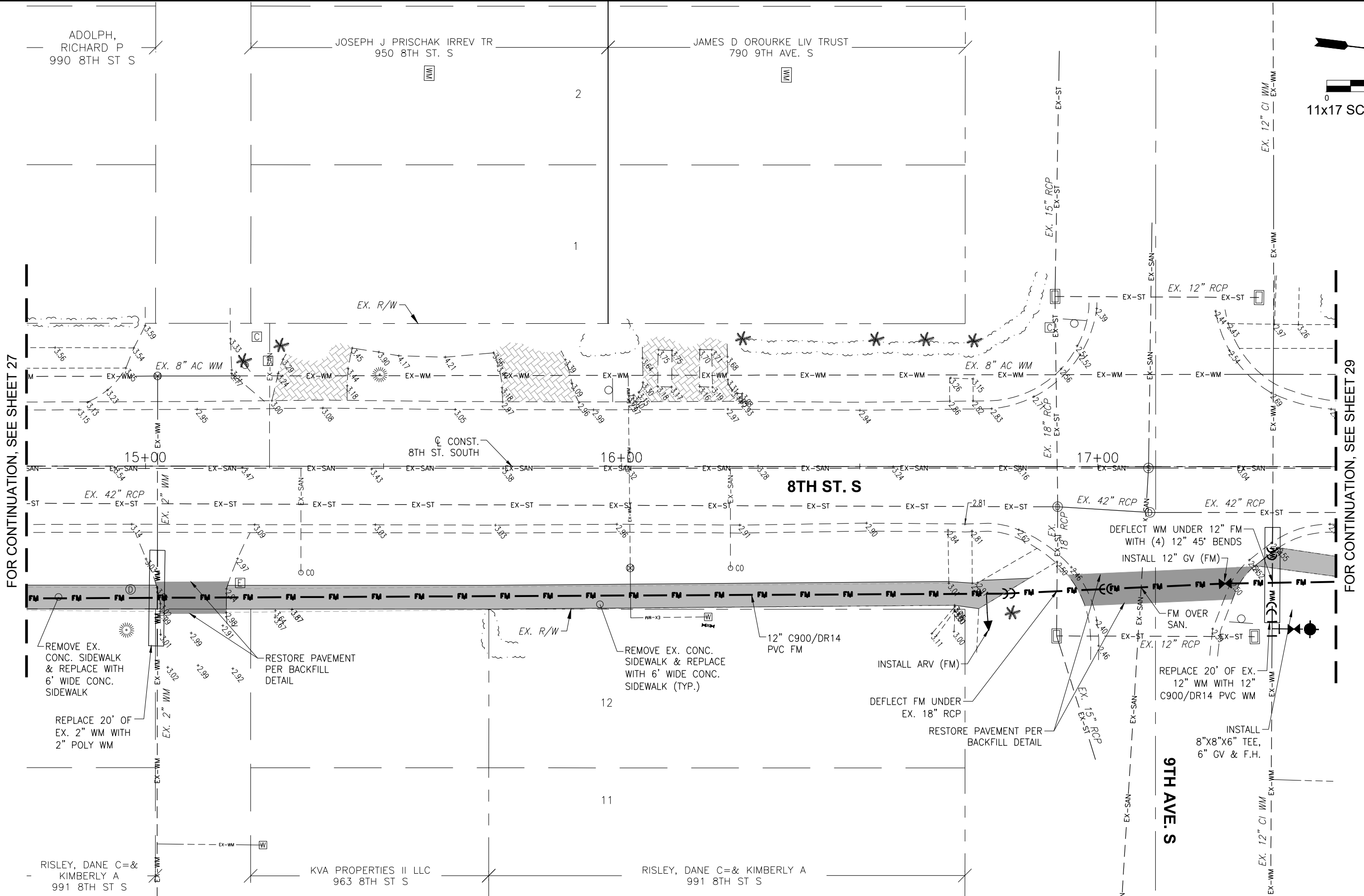
JOSEPH J PRISCHAK IRREV TR
950 8TH ST. S

JAMES D OROURKE LIV TRUST
790 9TH AVE. S



FOR CONTINUATION, SEE SHEET 27

FOR CONTINUATION, SEE SHEET 29



REMOVE EX.
CONC. SIDEWALK
& REPLACE WITH
6' WIDE CONC.
SIDEWALK

REPLACE 20' OF
EX. 2" WM WITH
2" POLY WM

RESTORE PAVEMENT
PER BACKFILL
DETAIL

REMOVE EX. CONC.
SIDEWALK & REPLACE
WITH 6' WIDE CONC.
SIDEWALK (TYP.)

12" C900/DR14
PVC FM

INSTALL ARV (FM)

DEFLECT FM UNDER
EX. 18" RCP

RESTORE PAVEMENT PER
BACKFILL DETAIL

DEFLECT WM UNDER 12" FM
WITH (4) 12" 45° BENDS
INSTALL 12" GV (FM)

FM OVER
SAN.

REPLACE 20' OF EX.
12" WM WITH 12"
C900/DR14 PVC WM

INSTALL
8"x8"x6" TEE,
6" GV & F.H.

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 LG 26000266

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

8th Street Improvements

UTILITY ADJUSTMENT PLAN - 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

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% PLANS
 SHEET 28 OF 96

G:\ENGINEERING\PROJ-ENG\11\117\DWG\SUBMITTYPE\90%\CNO07-11A 12/18/2018 8:17 AM

MESSER, PHILIP A=& DONNA M.
795 9TH AVE. S

LYNDE B UHLEIN REV TRUST
860 8TH ST. S

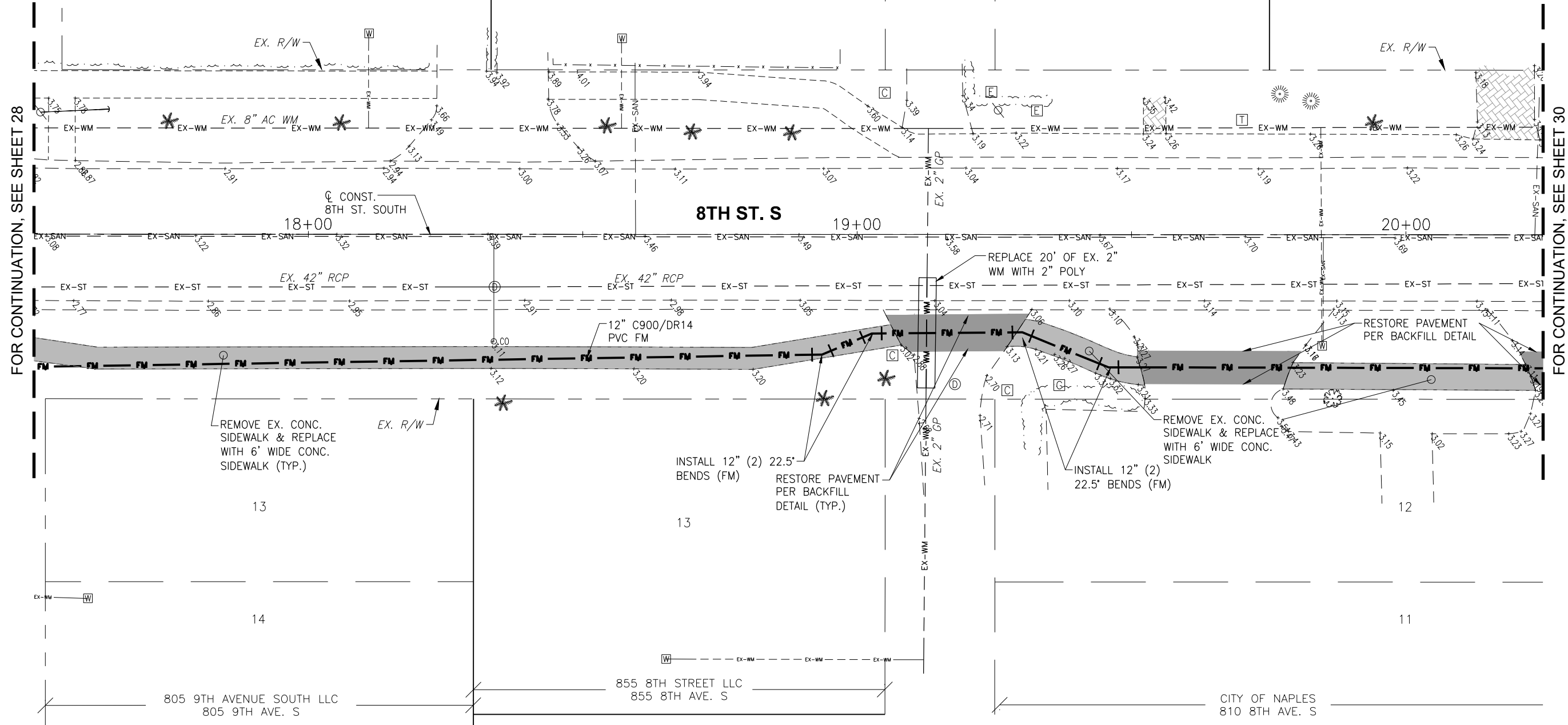
DOMINIANNI, MICHAEL
JAMES FINE
844 8TH ST. S

TEDERS, PHILIP J=& ANNE C
806 8TH ST. S



FOR CONTINUATION, SEE SHEET 28

FOR CONTINUATION, SEE SHEET 30



REMOVE EX. CONC.
SIDEWALK & REPLACE
WITH 6' WIDE CONC.
SIDEWALK (TYP.)

INSTALL 12" (2) 22.5'
BENDS (FM)

RESTORE PAVEMENT
PER BACKFILL
DETAIL (TYP.)

REMOVE EX. CONC.
SIDEWALK & REPLACE
WITH 6' WIDE CONC.
SIDEWALK

INSTALL 12" (2)
22.5' BENDS (FM)

RESTORE PAVEMENT
PER BACKFILL
DETAIL

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'



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

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

8th Street Improvements

UTILITY ADJUSTMENT PLAN - 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

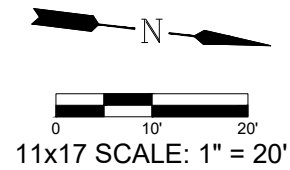
R. DANIEL FLYNN, P.E.
 FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGE: 34/49S & 3/50S/25E
 DATE: NOVEMBER, 2018
 SUBMITTAL TYPE: 90% PLANS
 SHEET 29 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE\90%\CN007-11A 12/18/2018 8:17 AM

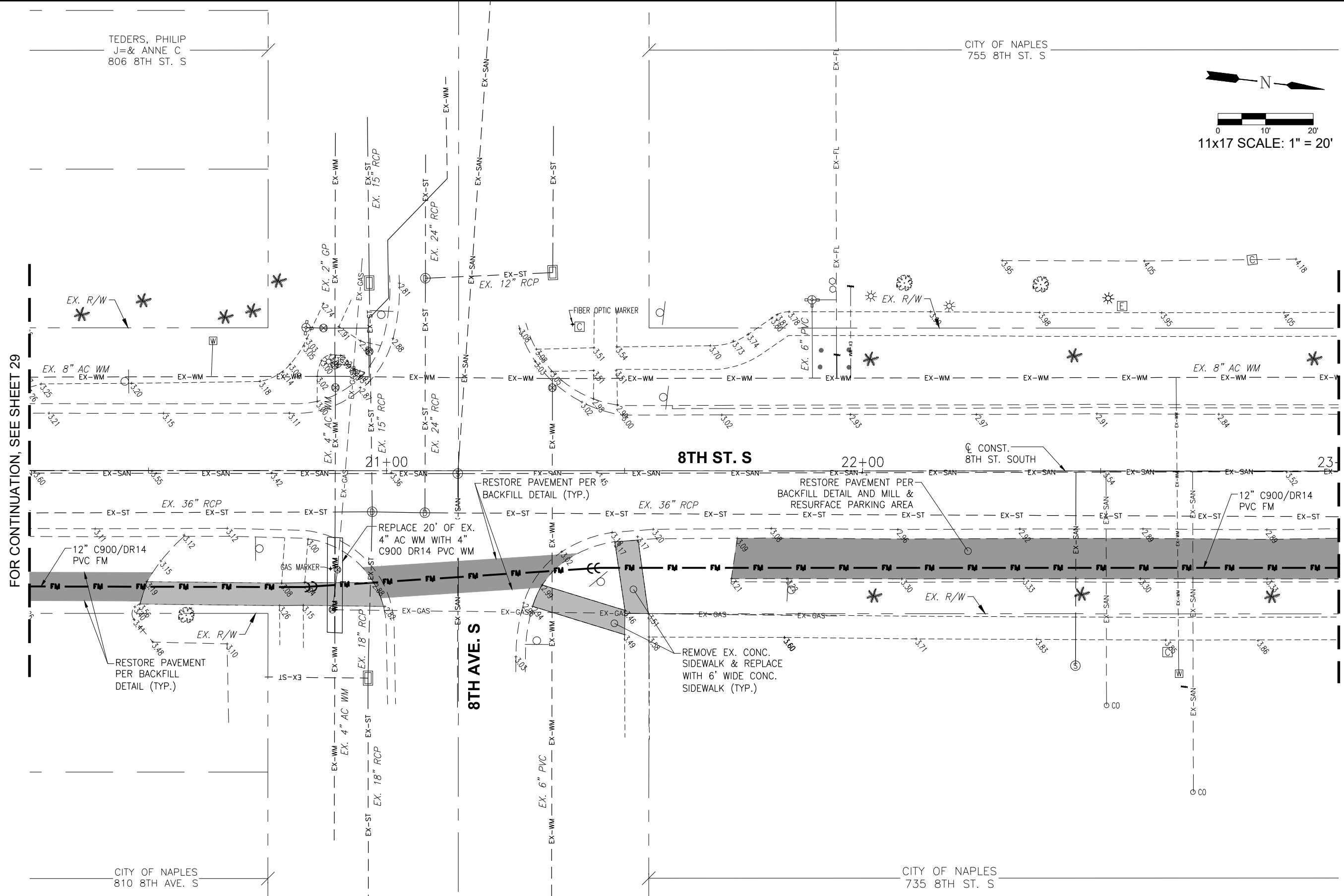
TEDERS, PHILIP
J=& ANNE C
806 8TH ST. S

CITY OF NAPLES
755 8TH ST. S



FOR CONTINUATION, SEE SHEET 29

FOR CONTINUATION, SEE SHEET 31



LEGEND

Revision	Date	Description

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
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 LG 26000266

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

8th Street Improvements

UTILITY ADJUSTMENT PLAN - 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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% PLANS
SHEET	30 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%\CN007-1A 12/18/2018 8:17 AM

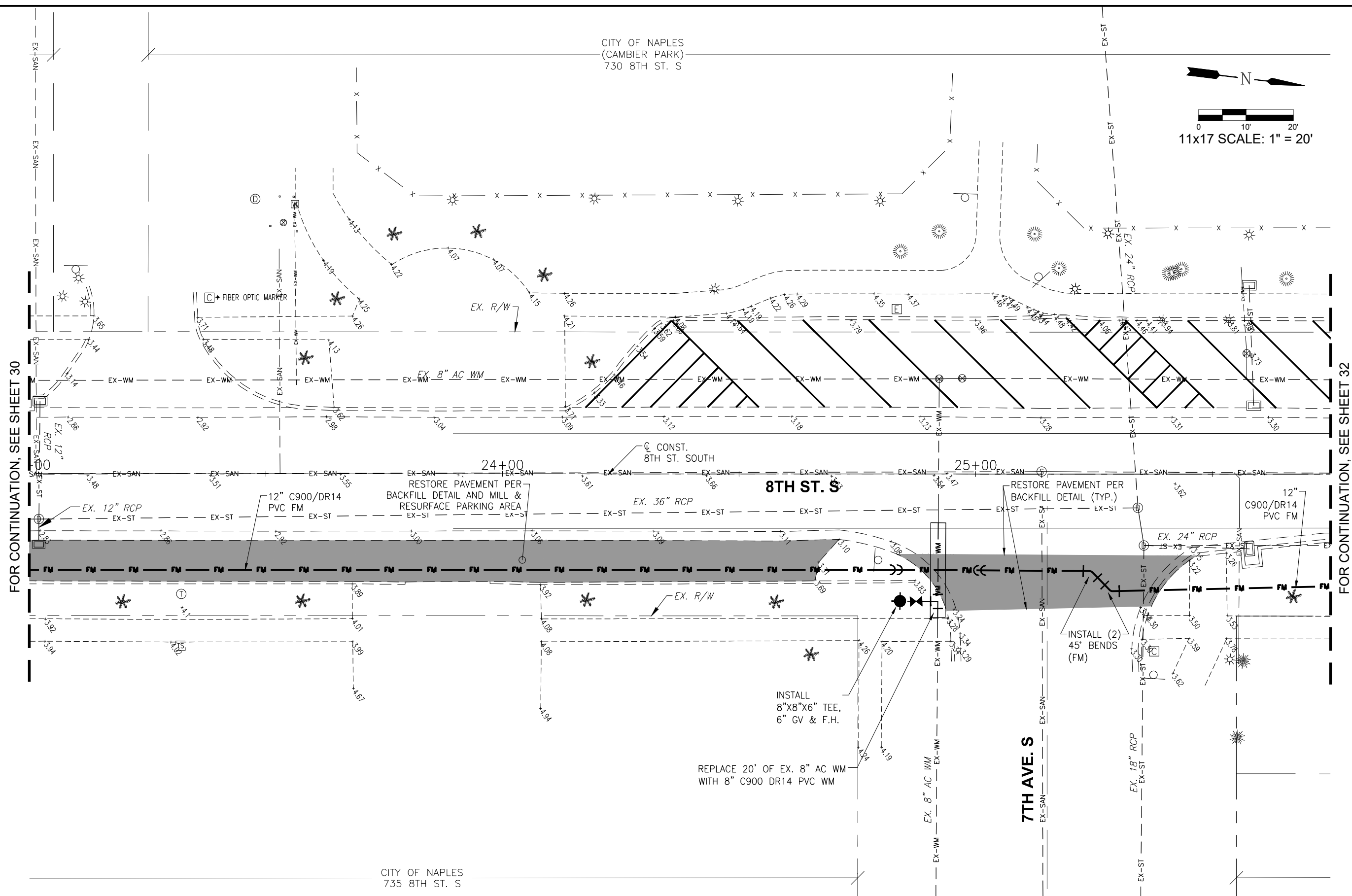
CITY OF NAPLES
(CAMBIER PARK)
730 8TH ST. S



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

FOR CONTINUATION, SEE SHEET 30

FOR CONTINUATION, SEE SHEET 32



CITY OF NAPLES
735 8TH ST. S

LEGEND

Revision	Date	Description

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
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

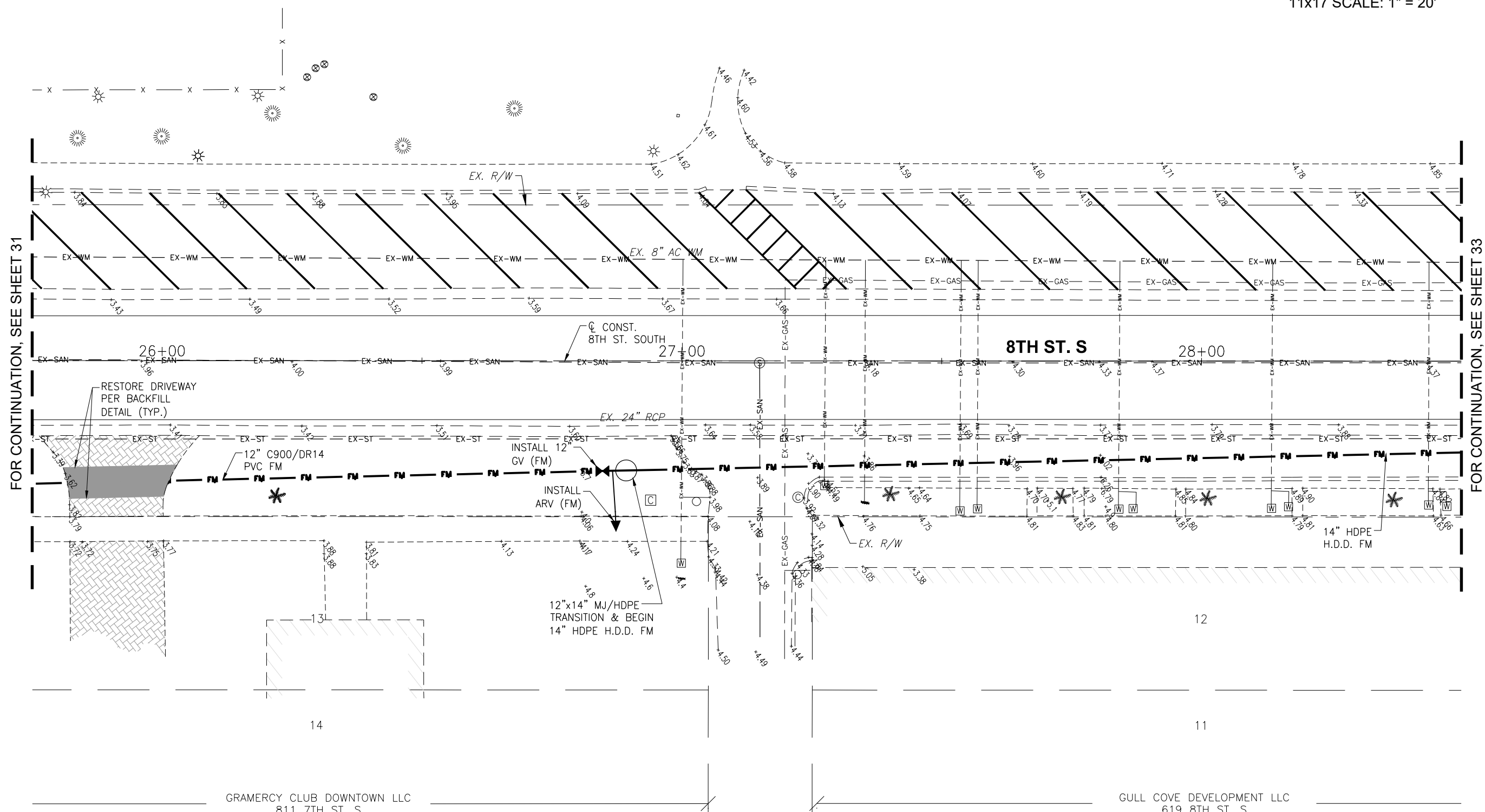
Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134
Business LG 26000266

8th Street Improvements
UTILITY ADJUSTMENT PLAN - 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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% PLANS
SHEET	31 OF 96

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

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\90%CN007-11A 12/18/2018 8:18 AM



FOR CONTINUATION, SEE SHEET 31

FOR CONTINUATION, SEE SHEET 33

GRAMERCY CLUB DOWNTOWN LLC
811 7TH ST. S

GULL COVE DEVELOPMENT LLC
619 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

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

UTILITY ADJUSTMENT PLAN - 6

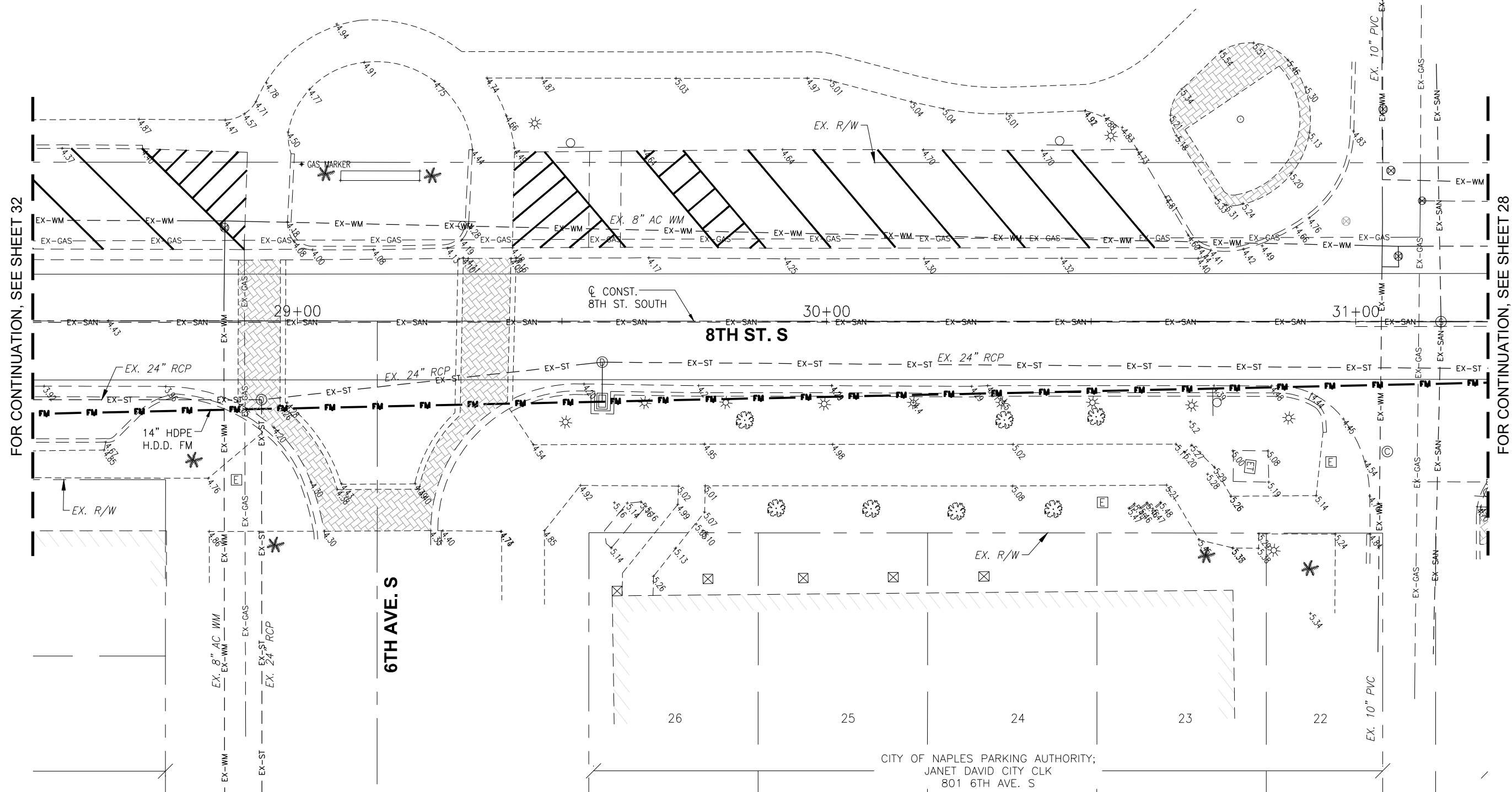
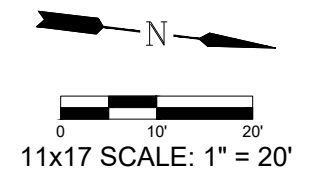
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% PLANS
SHEET	32 OF 96

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

G:\ENGINEERING\PROJ-ENG\0007\SUBMITTYPE\90%CN007-11A 12/18/2018 8:18 AM

CITY OF NAPLES
(CAMBIER PARK)
730 8TH ST. S



FOR CONTINUATION, SEE SHEET 32

FOR CONTINUATION, SEE SHEET 28

LEGEND

Revision	Date	Description

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

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

Fort Myers: 239.690.4380

8th Street Improvements

UTILITY ADJUSTMENT PLAN - 7

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

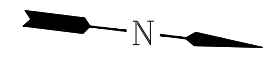
SUBMITTAL TYPE:
90% PLANS

SHEET 33 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-11A 12/18/2018 8:18 AM

780 FIFTH AVENUE SOUTH A CONDOMINIUM
780 5TH AVE. S

GCS MOM'S LLC
765 5TH AVE. S



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

END 14" HDPE H.D.D. &
INSTALL 12"x14"
MJ/HDPE TRANSITION FM
AND 12" GV (FM)

EX. R/W

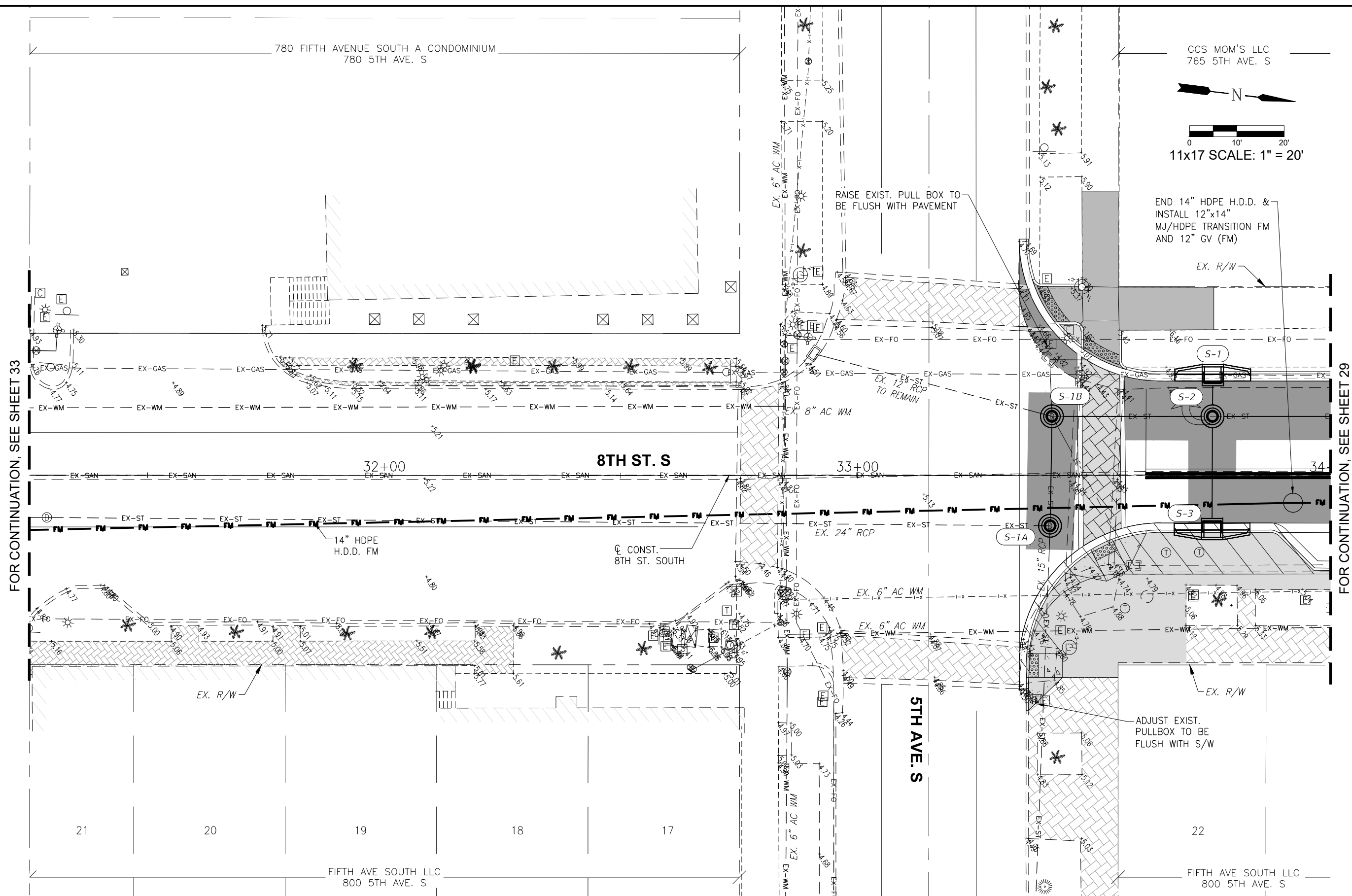
RAISE EXIST. PULL BOX TO
BE FLUSH WITH PAVEMENT

EX. 12" RCP
TO REMAIN

ADJUST EXIST.
PULLBOX TO BE
FLUSH WITH S/W

FOR CONTINUATION, SEE SHEET 33

FOR CONTINUATION, SEE SHEET 29



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'



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

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

8th Street Improvements

UTILITY ADJUSTMENT PLAN - 8

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

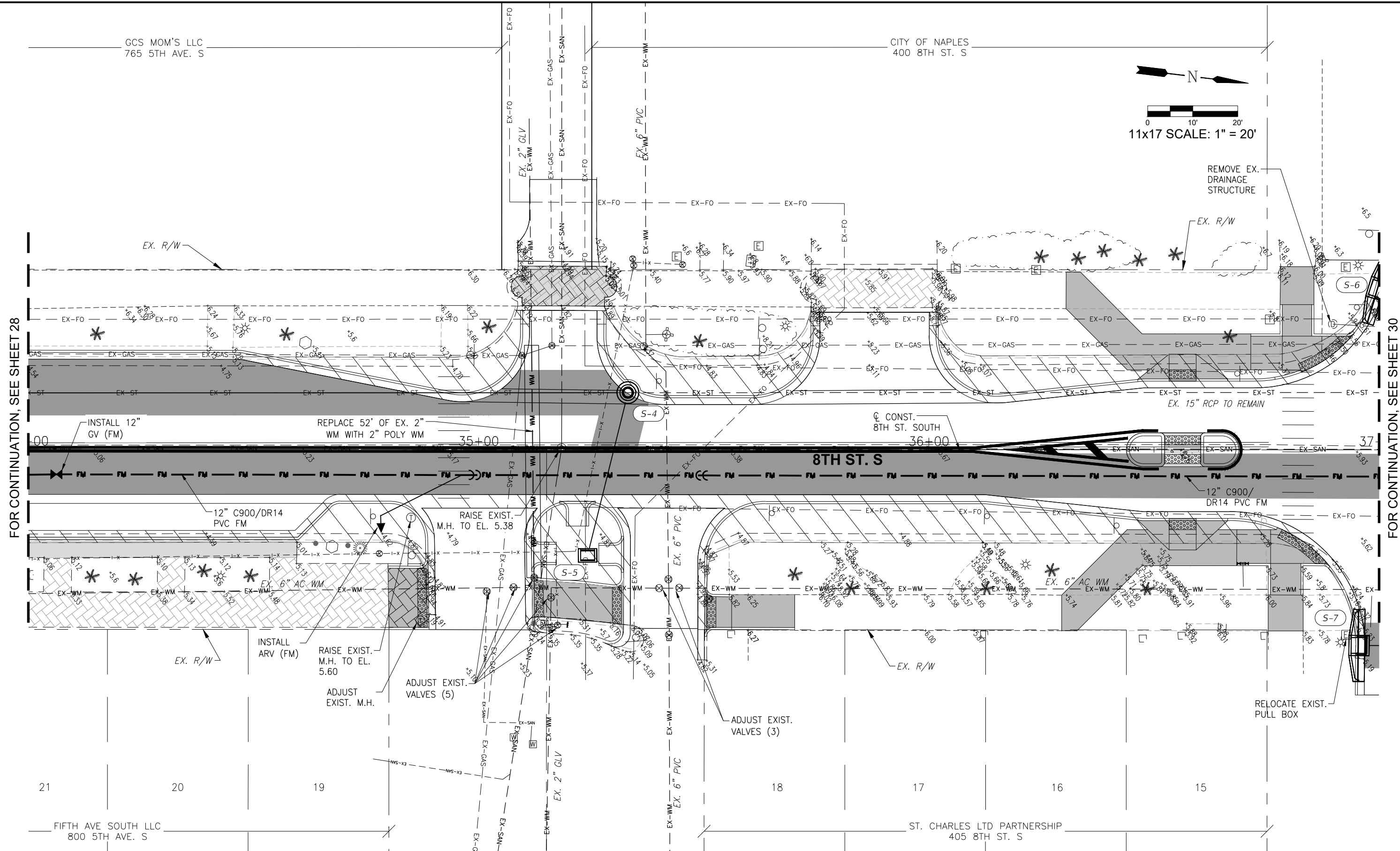
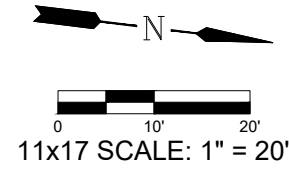
R. DANIEL FLYNN, P.E.
FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGE: 34/49S & 3/50S/25E
DATE: NOVEMBER, 2018
SUBMITTAL TYPE: 90% PLANS
SHEET 28 OF 96

G:\ENGINEERING\PROJ-ENG\12\DWG\SUBMITTYPE\90%\CN007-11A 12/18/2018 8:18 AM

GCS MOM'S LLC
765 5TH AVE. S

CITY OF NAPLES
400 8TH ST. S



FOR CONTINUATION, SEE SHEET 28

FOR CONTINUATION, SEE SHEET 30

FIFTH AVE SOUTH LLC
800 5TH AVE. S

ST. CHARLES LTD PARTNERSHIP
405 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'



Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 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

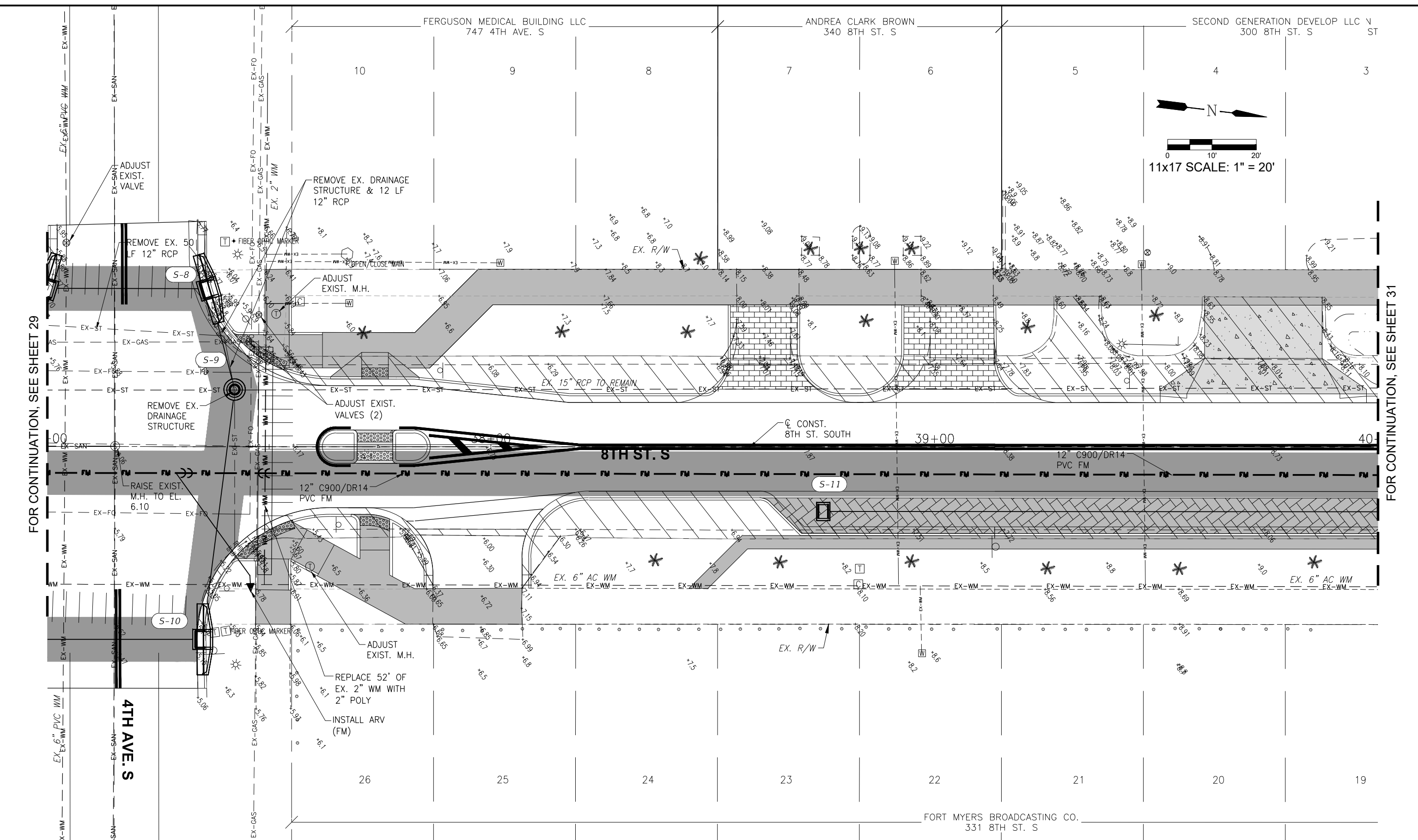
UTILITY ADJUSTMENT PLAN - 9

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

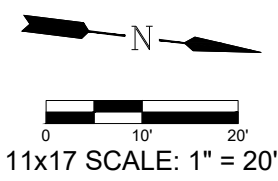
MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGE: 34/49S & 3/50S/25E
DATE: NOVEMBER, 2018
SUBMITTAL TYPE: 90% PLANS
SHEET 29 OF 96

G:\ENGINEERING\PROJ-ENG\11\DWG\SUBMITTYPE\90%\CNO07-11A 12/18/2018 8:19 AM



FOR CONTINUATION, SEE SHEET 29

FOR CONTINUATION, SEE SHEET 31



LEGEND

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
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 LG 26000266

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

8th Street Improvements

UTILITY ADJUSTMENT PLAN – 10

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 & 3/50S/25E</p> <p>DATE: NOVEMBER, 2018</p> <p>SUBMITTAL TYPE: 90% PLANS</p> <p>SHEET 30 OF 96</p>	<p>R. DANIEL FLYNN, P.E. FLORIDA P.E. LICENSE NO. 76205</p>
---	---

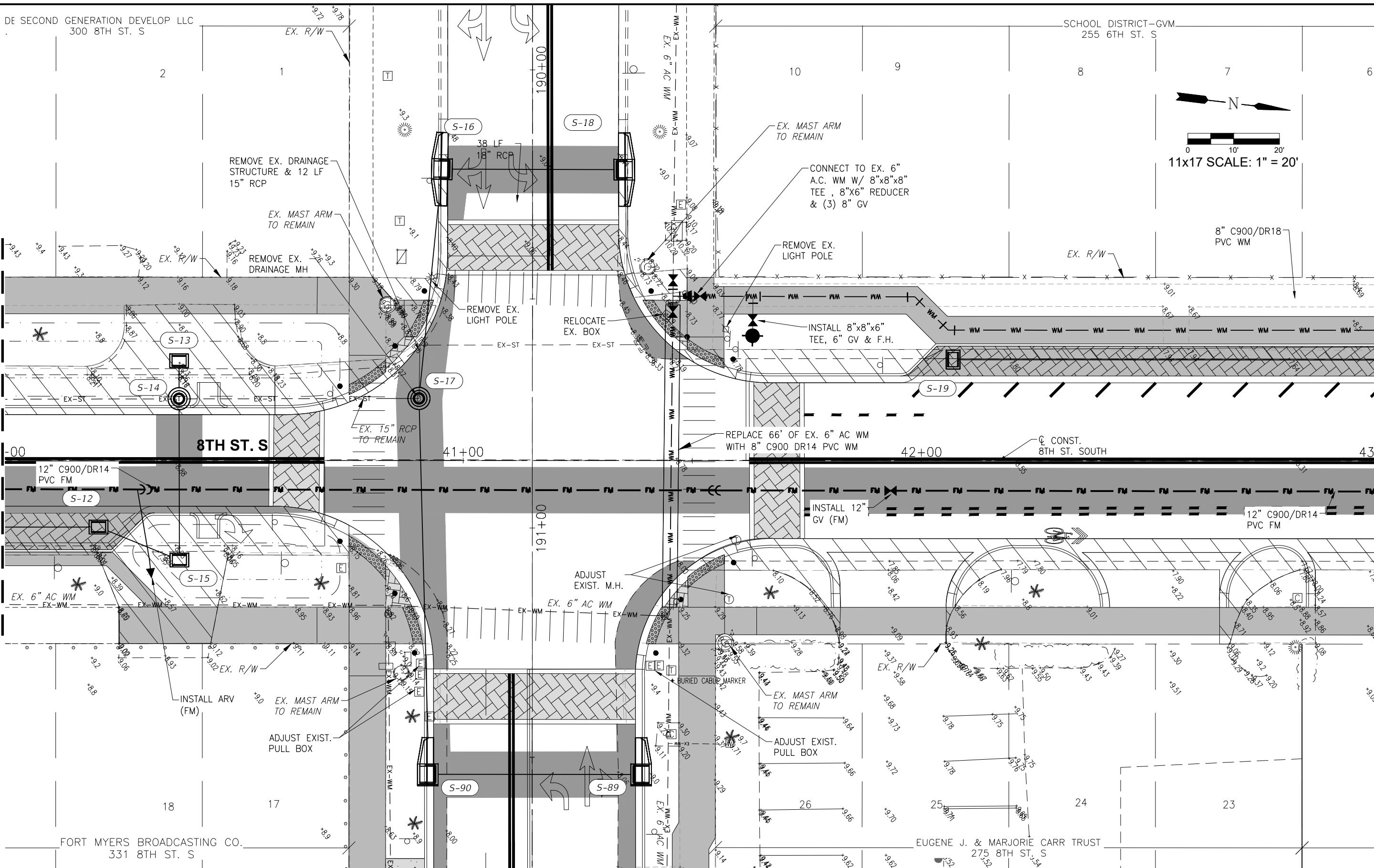
DE SECOND GENERATION DEVELOP LLC
300 8TH ST. S

SCHOOL DISTRICT-GVM
255 6TH ST. S



FOR CONTINUATION, SEE SHEET 30

FOR CONTINUATION, SEE SHEET 32



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'



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

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

8th Street Improvements

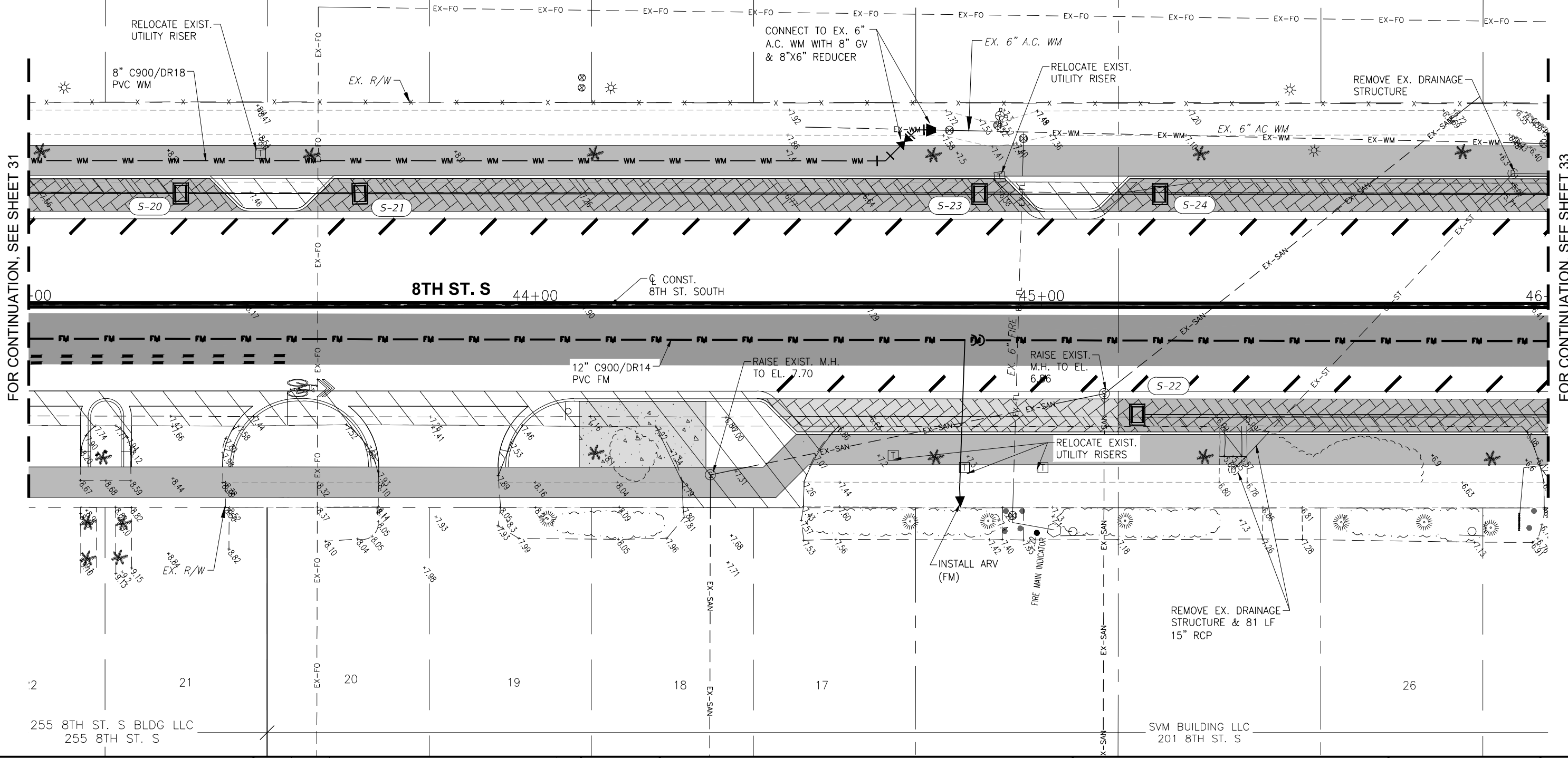
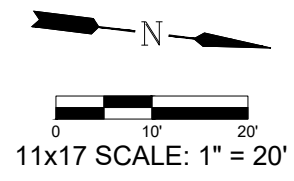
UTILITY ADJUSTMENT PLAN - 11

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% PLANS
 SHEET 31 OF 96

G:\ENGINEERING\PROJ-ENG\11\DWG\SUBMITTYPE\90%\CN007-11A 12/18/2018 8:19 AM



FOR CONTINUATION, SEE SHEET 31

FOR CONTINUATION, SEE SHEET 33

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 LG 26000266

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

8th Street Improvements

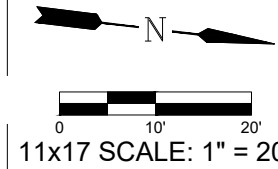
UTILITY ADJUSTMENT PLAN - 12

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% PLANS
SHEET	32 OF 96

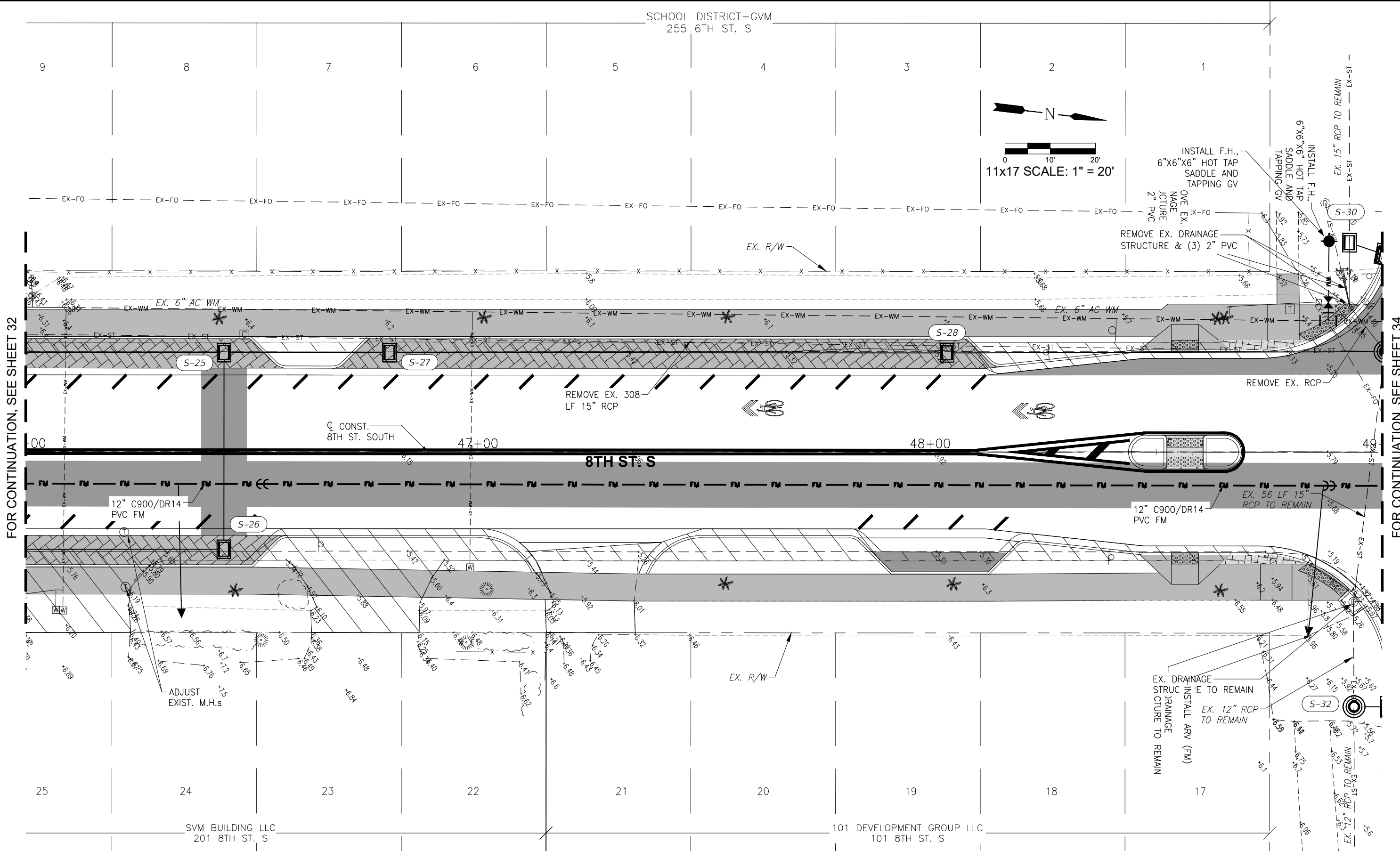
G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE\90%\CN007-12A 12/18/2018 8:20 AM

SCHOOL DISTRICT-GVM
255 6TH ST. S



FOR CONTINUATION, SEE SHEET 32

FOR CONTINUATION, SEE SHEET 34



LEGEND

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
 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

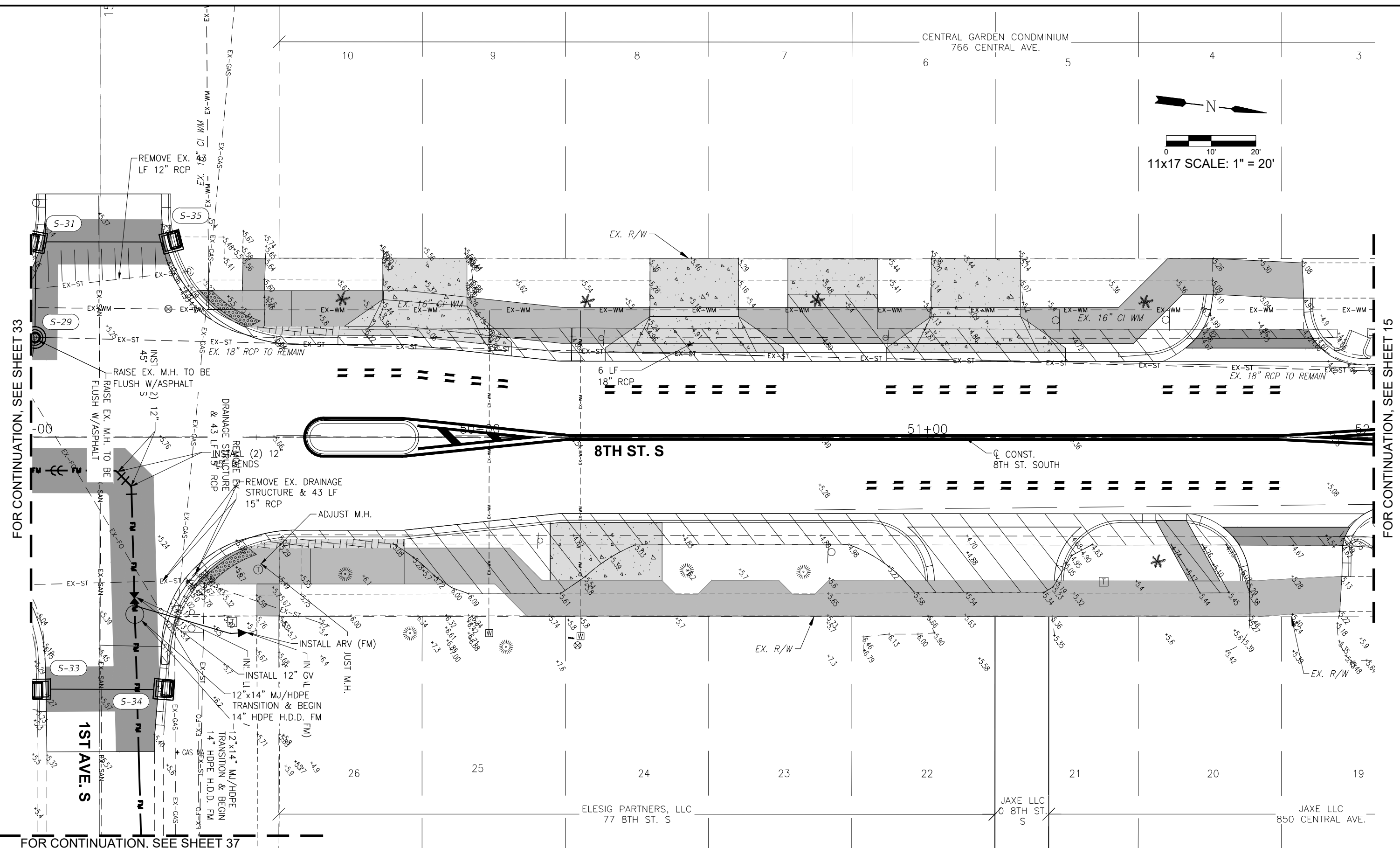
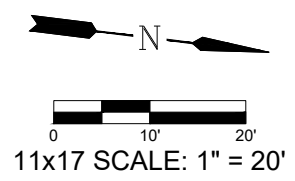
UTILITY ADJUSTMENT PLAN - 13

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% PLANS
SHEET	33 OF 96

G:\ENGINEERING\PROJ-ENG\0007\GTDWGS\SUBMITTAL\TYPE\90%\CN007-13A 12/18/2018 8:20 AM

CENTRAL GARDEN CONDOMINIUM
766 CENTRAL AVE.



FOR CONTINUATION, SEE SHEET 33

FOR CONTINUATION, SEE SHEET 15

FOR CONTINUATION, SEE SHEET 37

LEGEND

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	R.D.F.
	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

UTILITY ADJUSTMENT PLAN - 14

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

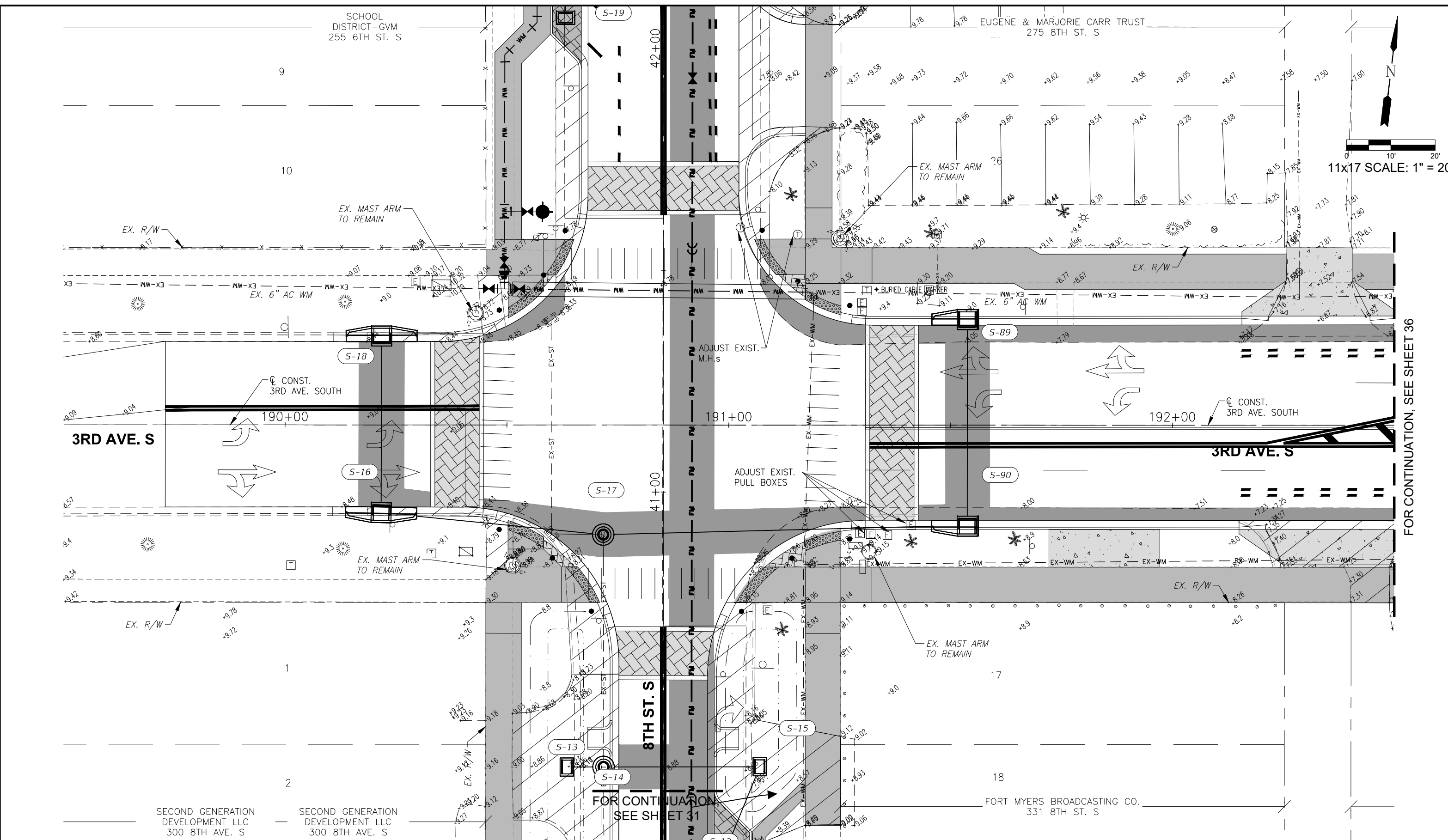
DATE:
NOVEMBER, 2018

SUBMITTAL TYPE:
90% PLANS

SHEET 34 OF 96

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

C:\ENGINEERING\PROJ-ENG\0007\GTDWG\SUBMITTYPE\90%CN007-14A 12/18/2018 8:20 AM



FOR CONTINUATION, SEE SHEET 36

FOR CONTINUATION, SEE SHEET 31

LEGEND

Revision	Date	Description	By

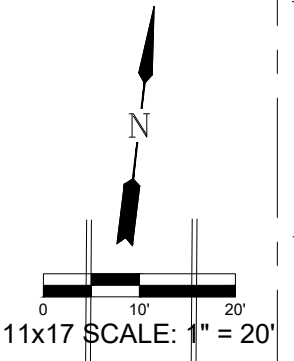
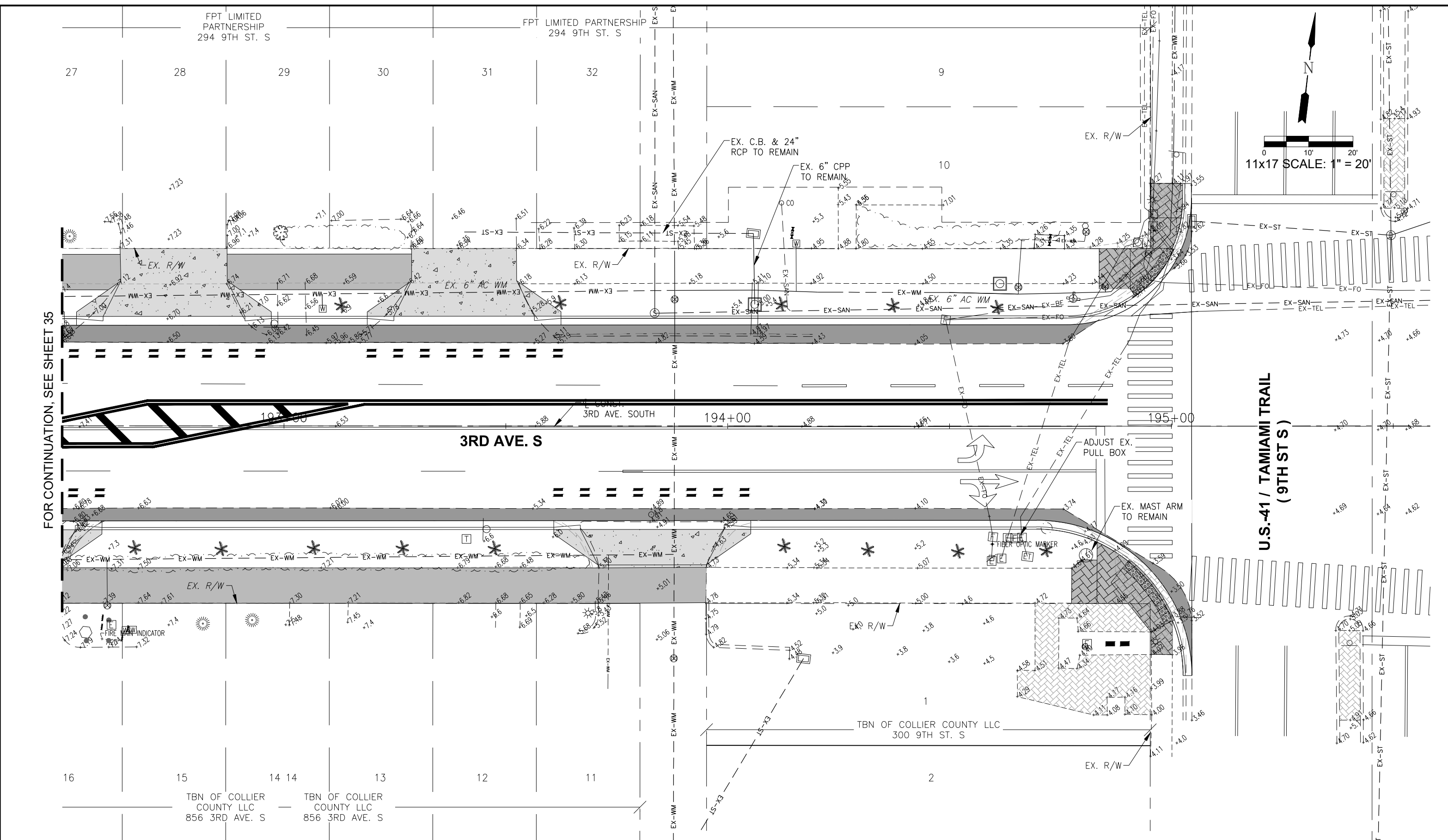
DESIGNED BY: R.D.F.
 DRAWN BY: D.M.S.
 APPROVED: R.D.F.
 JOB CODE: CN007
 SCALE: 11x17 1" = 20'

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 LG 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

8th Street Improvements
 UTILITY ADJUSTMENT PLAN - 15
 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% PLANS
 SHEET 35 OF 96
 R. DANIEL FLYNN, P.E.
 FLORIDA P.E. LICENSE NO. 76205

C:\ENGINEERING\PROJ-ENG\CN007\DWG\SUBMITTYPE\90%\CN007-11A 12/18/2018 8:21 AM



FOR CONTINUATION, SEE SHEET 35

U.S.-41 / TAMAMIAMI TRAIL
(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

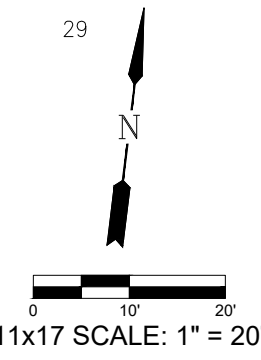
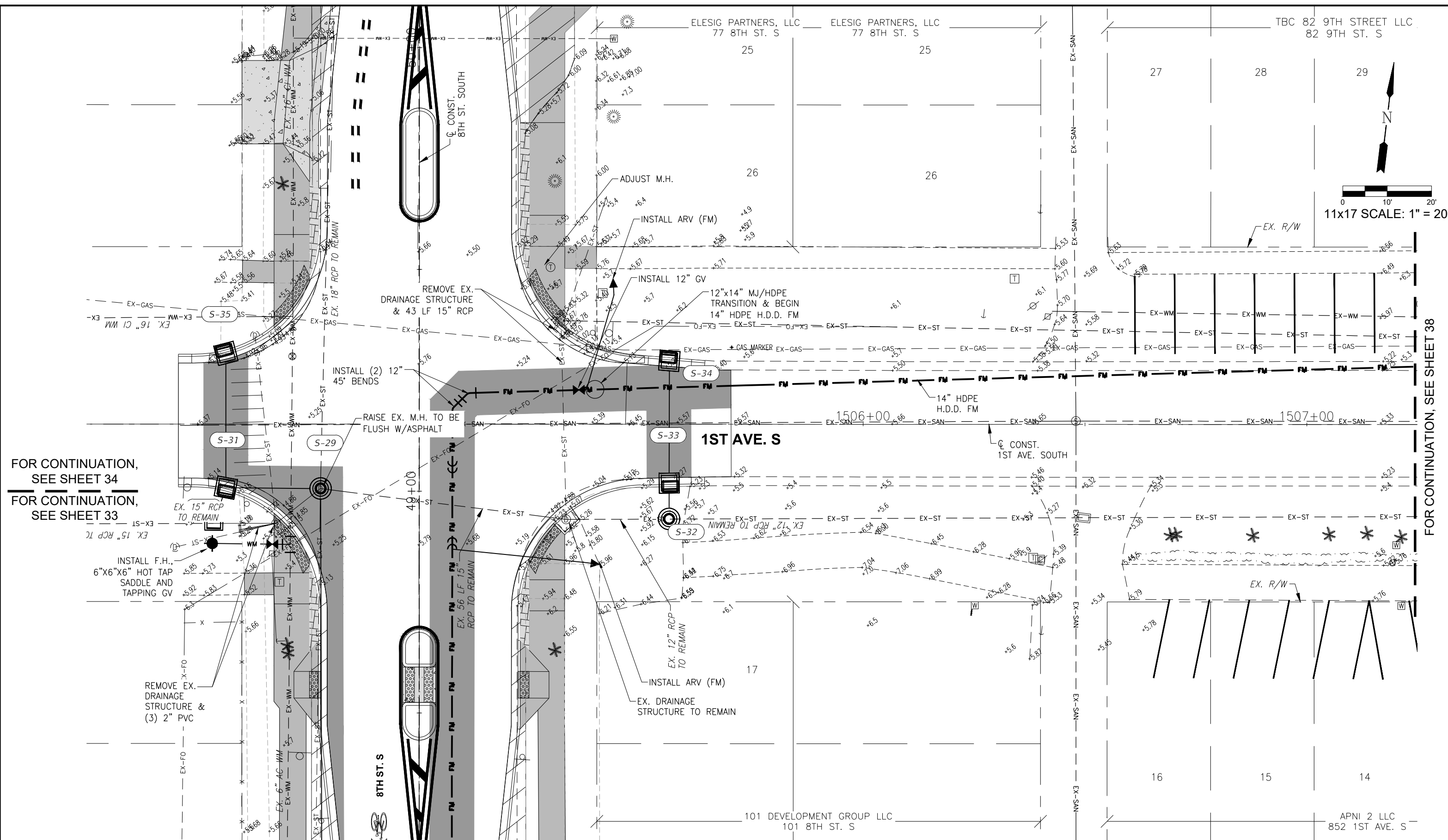
UTILITY ADJUSTMENT PLAN - 16

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% PLANS
 SHEET 36 OF 96

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

G:\ENGINEERING\PROJ-ENG\02\SUBMITTALS\90%CN007-11A 12/18/2018 8:21 AM



FOR CONTINUATION,
SEE SHEET 34
FOR CONTINUATION,
SEE SHEET 33

FOR CONTINUATION, SEE SHEET 38

LEGEND

Revision	Date	Description	By

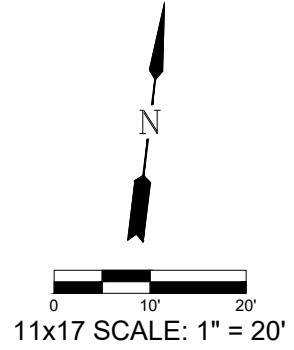
DESIGNED BY: R.D.F.
DRAWN BY: D.M.S.
APPROVED: R.D.F.
JOB CODE: CN007
SCALE: 11x17 1" = 20'

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
 UTILITY ADJUSTMENT PLAN - 17
 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

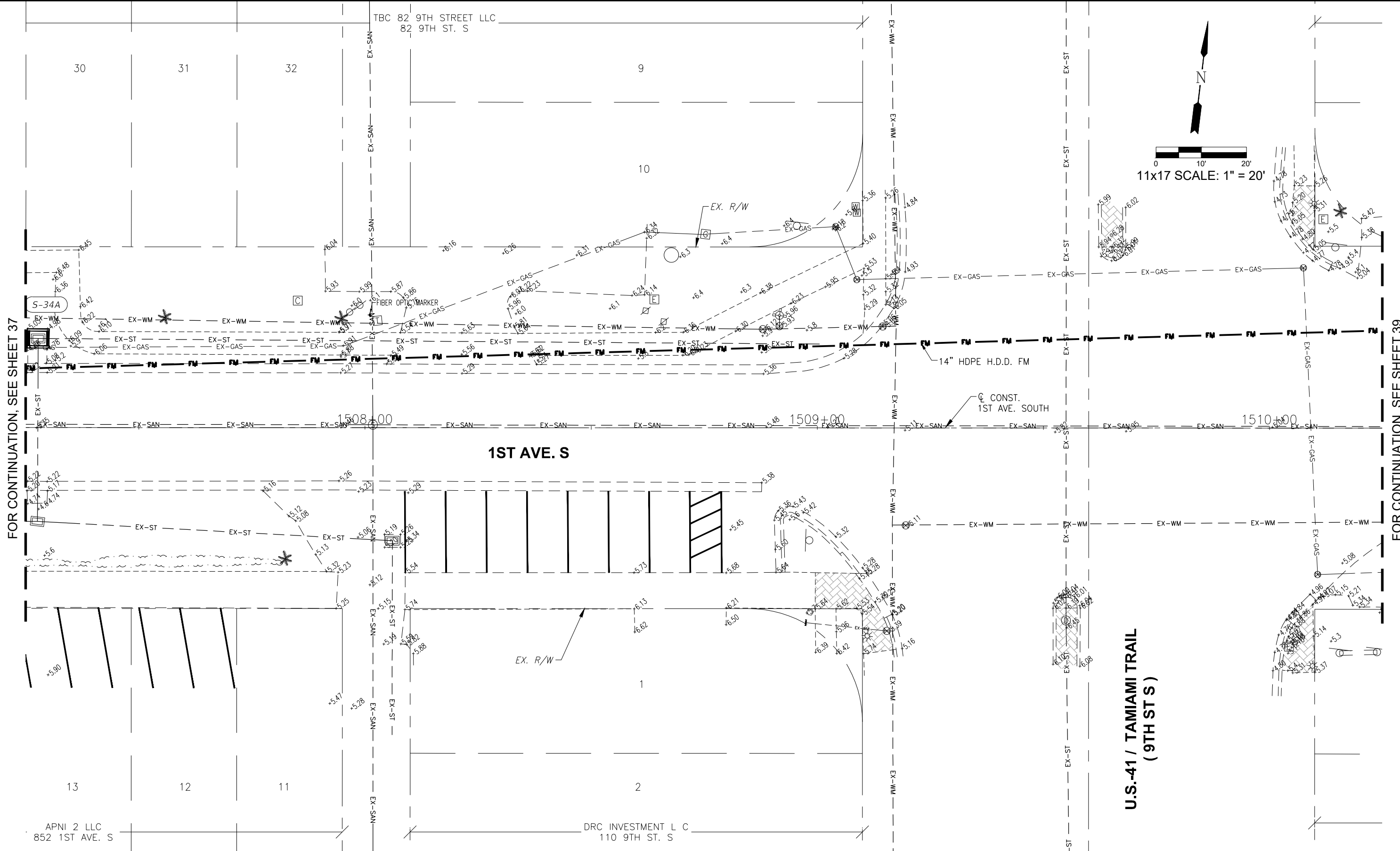
MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGE: 34/49S & 3/50S/25E
 DATE: NOVEMBER, 2018
 SUBMITTAL TYPE: 90% PLANS
 SHEET 37 OF 96
 R. DANIEL FLYNN, P.E.
 FLORIDA P.E. LICENSE NO. 76205

TBC 82 9TH STREET LLC
82 9TH ST. S



FOR CONTINUATION, SEE SHEET 37

FOR CONTINUATION, SEE SHEET 39



LEGEND

Revision	Date	Description

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	R.D.F.
SCALE:	CN007
	11x17#####

GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

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

8th Street Improvements

UTILITY ADJUSTMENT PLAN - 18

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% PLANS
SHEET	38 OF 96

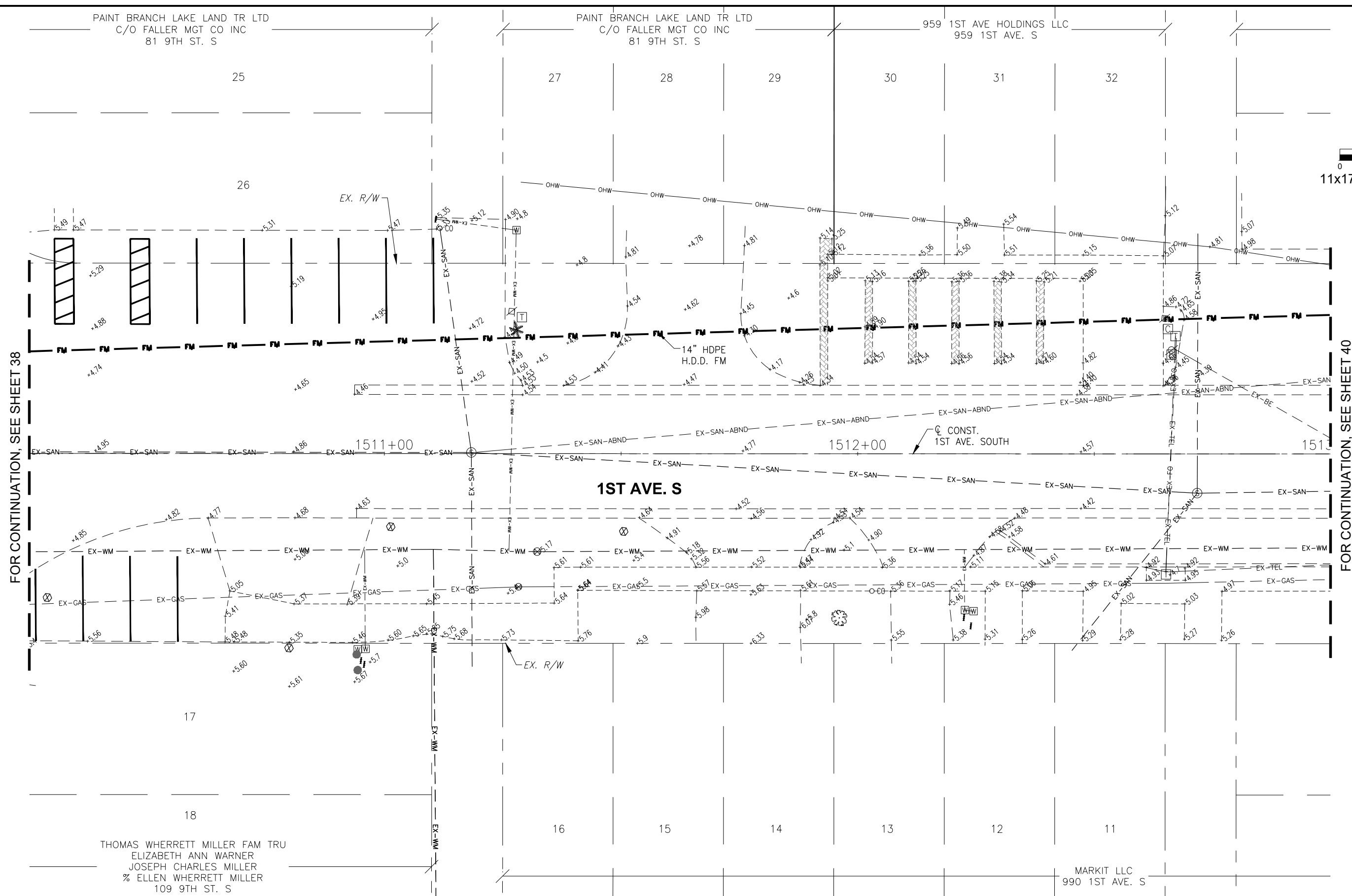
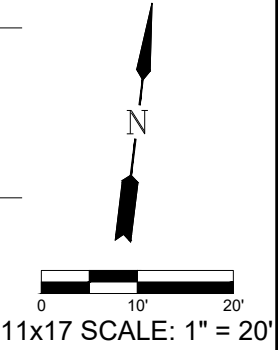
R. DANIEL FLYNN, P.E.
FLORIDA P.E. LICENSE NO. 76205

G:\ENGINEERING\PROJ-ENG\11\SUBMITTAL\90%CN007-11A 12/18/2018 8:22 AM

PAINT BRANCH LAKE LAND TR LTD
C/O FALLER MGT CO INC
81 9TH ST. S

PAINT BRANCH LAKE LAND TR LTD
C/O FALLER MGT CO INC
81 9TH ST. S

959 1ST AVE HOLDINGS LLC
959 1ST AVE. S



FOR CONTINUATION, SEE SHEET 38

FOR CONTINUATION, SEE SHEET 40

LEGEND

Revision	Date	Description

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17/#####
By	

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

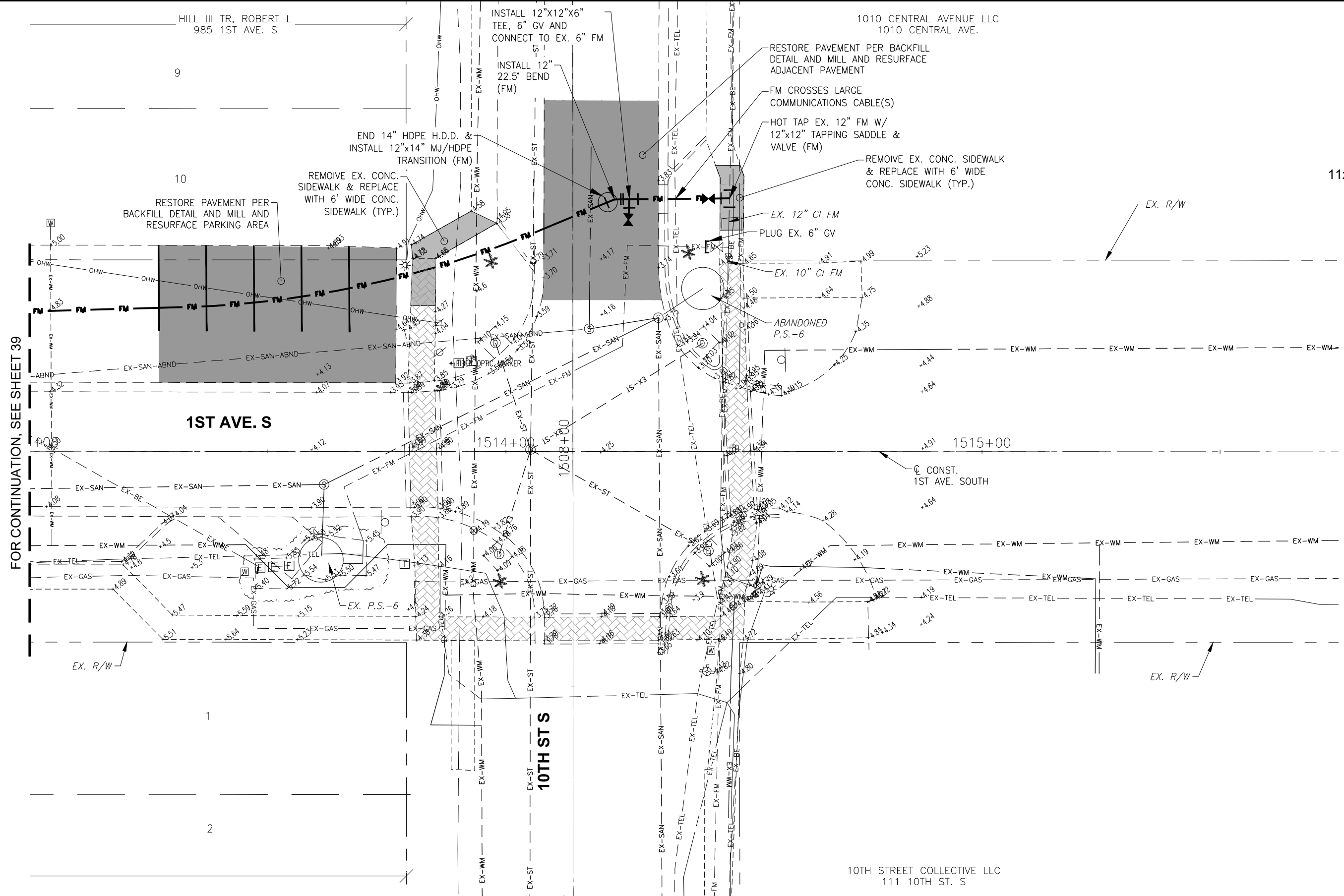
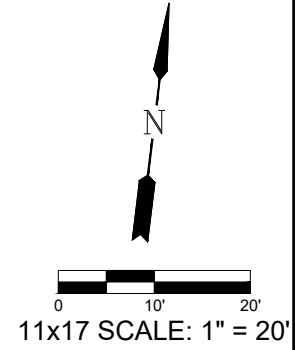
UTILITY ADJUSTMENT PLAN - 19

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% PLANS
SHEET	39 OF 96

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

C:\ENGINEERING\PROJ-ENG\0007\GTDWGS\SUBMITTAL\90%CN007-11A 12/18/2018 8:22 AM



FOR CONTINUATION, SEE SHEET 39

LEGEND

Revision	Date	Description

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

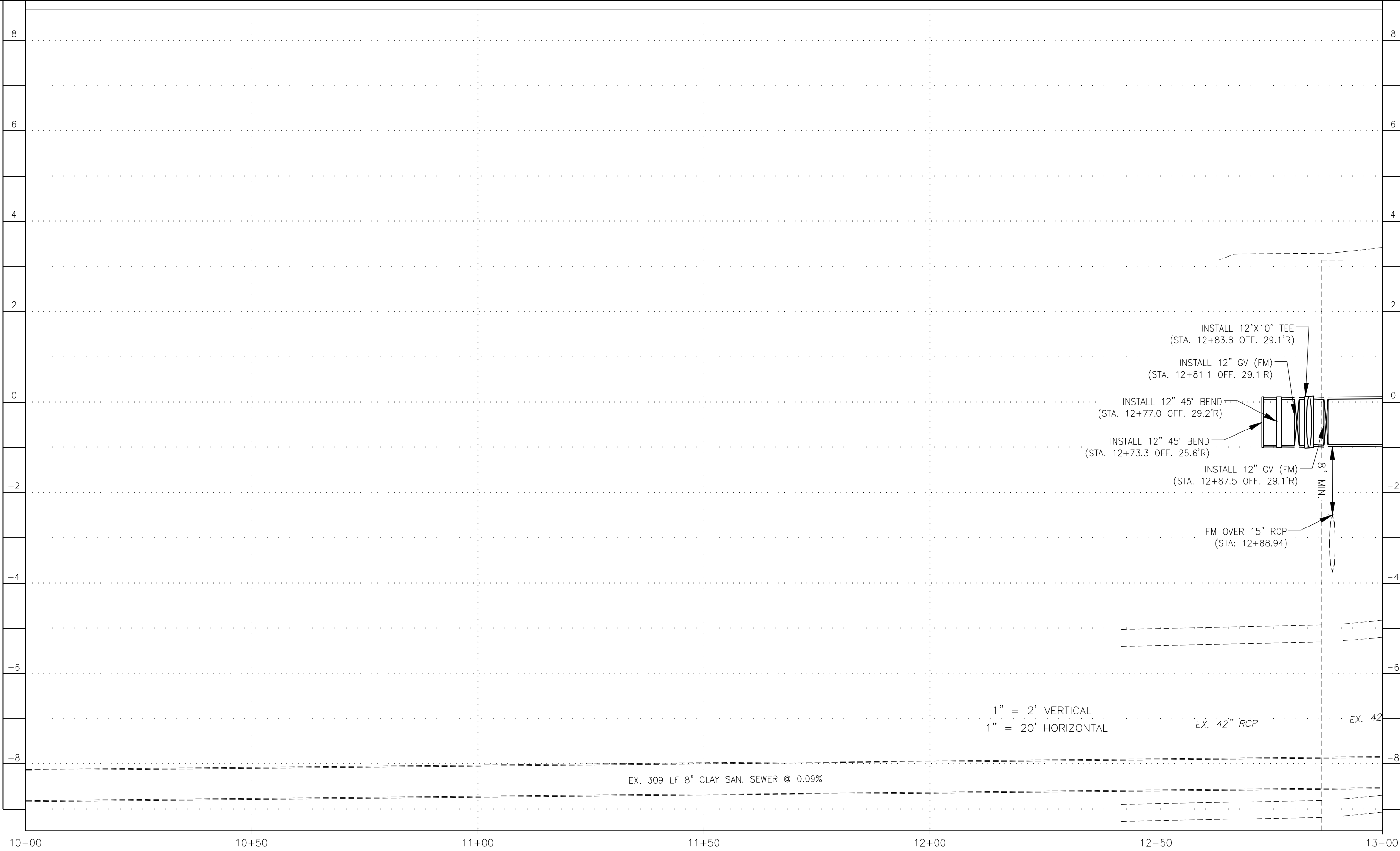
GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Business LG 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: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

8th Street Improvements
 UTILITY ADJUSTMENT PLAN - 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:
 NOVEMBER, 2018
 SUBMITTAL TYPE:
 90% PLANS
 SHEET 40 OF 96

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

G:\ENGINEERING\PROJ-ENG\0007\GTDWGS\SUBMITTYPE\90%CN007-LIA 12/18/2018 8:23 AM



LEGEND

Revision	Date	Description

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 2'	
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

PROFILE SHEET - 1
 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

MUNICIPALITY:
 CITY OF NAPLES

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

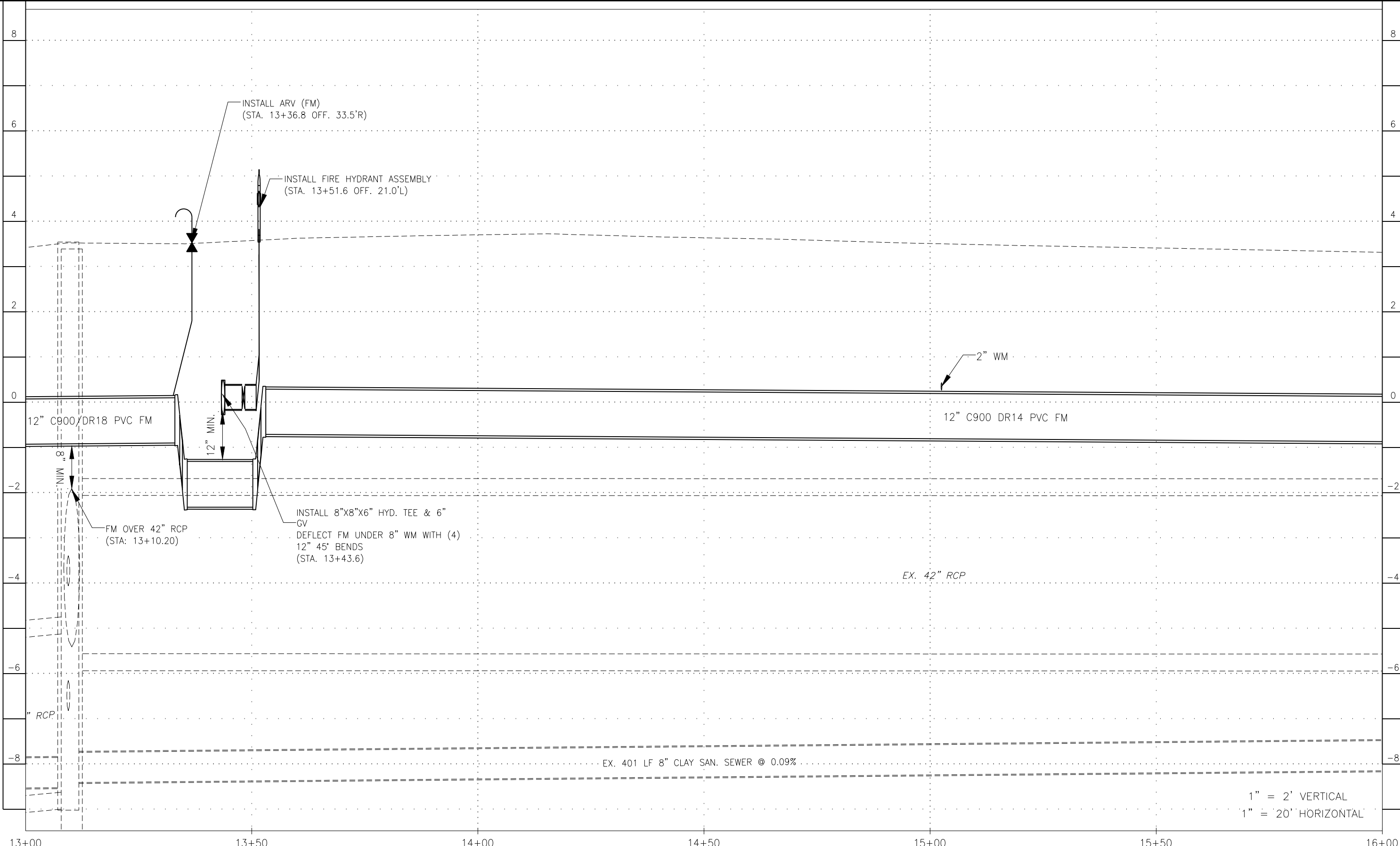
DATE:
 NOVEMBER, 2018

SUBMITTAL TYPE:
 90% SUBMITTAL

SHEET 41 OF 96

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

C:\ENGINEERING\PROJ-ENG\CN007\SUBMITTAL\90%\CN007-PROFILES 12/18/2018 8:23 AM



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

LEGEND

Revision	Date	Description

By	Date	Description

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

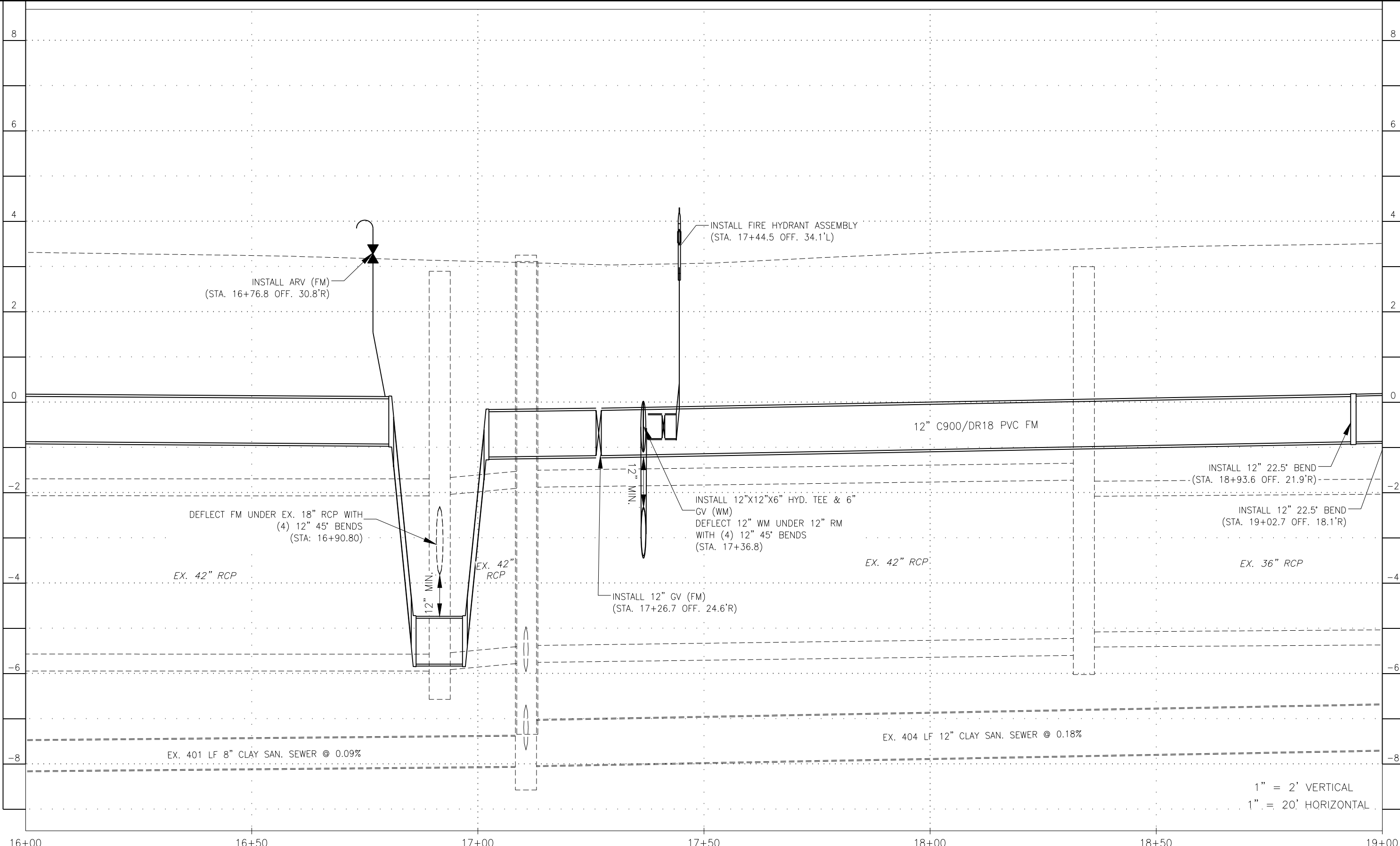
GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Business LG 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: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

8TH STREET IMPROVEMENTS
 PROFILE SHEET - 2
 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/RGB: 34/49S & 3/50S/25E
 DATE: NOVEMBER, 2018
 SUBMITTAL TYPE: 90% SUBMITTAL
 SHEET 42 OF 96

C:\ENGINEERING\PROJ-ENG\CN007\SUBMITTAL\90%\CN007-PROFILES 12/18/2018 8:23 AM



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

LEGEND

Revision	Date	Description	By

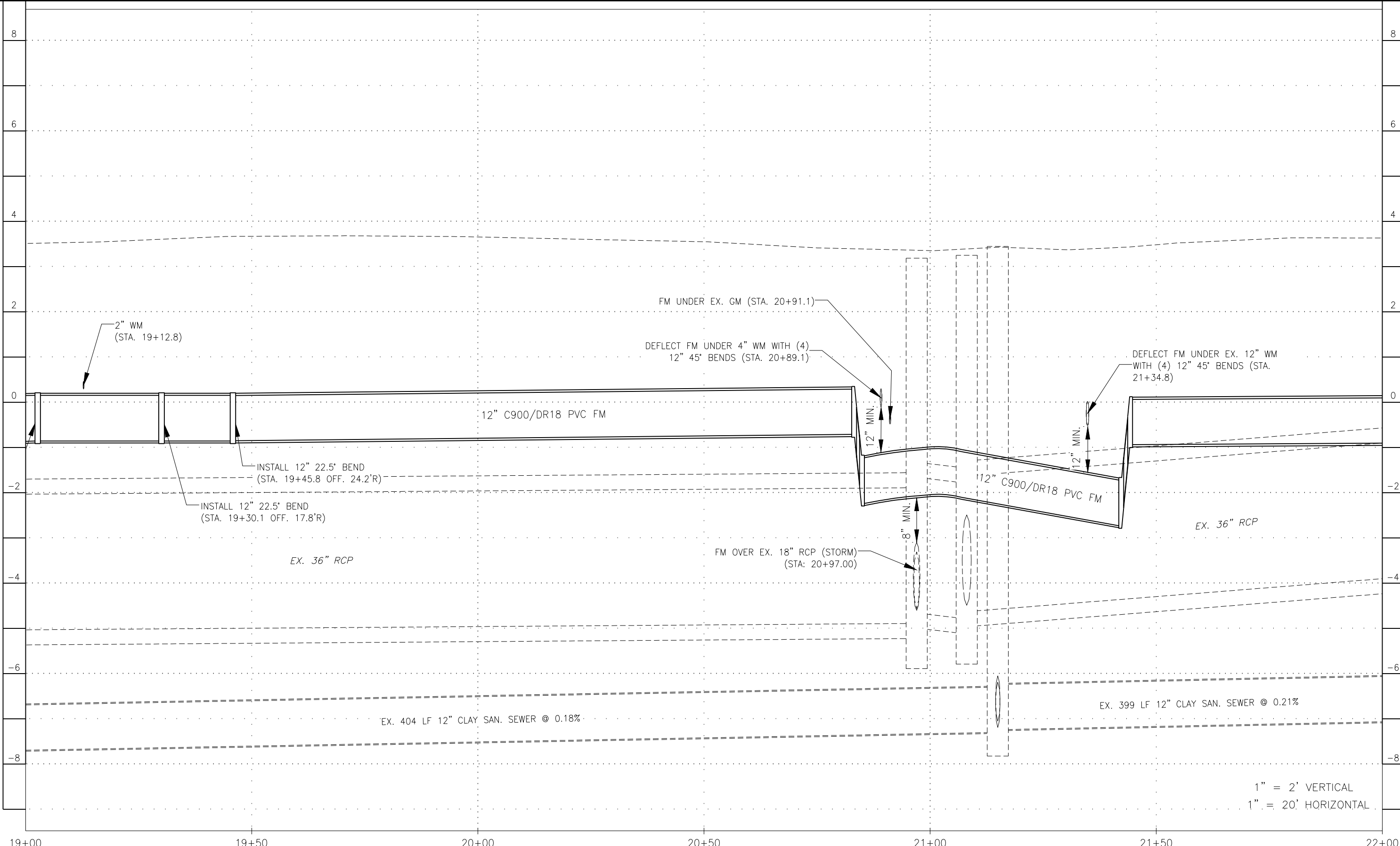
DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 2'	
HORL. 1" = 20'	

GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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
 PROFILE SHEET - 3
 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

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGB: 34/49S & 3/50S/25E
 DATE: NOVEMBER, 2018
 SUBMITTAL TYPE: 90% SUBMITTAL
 SHEET 43 OF 96
 JUSTIN A. FREDERIKSEN, P.E.
 FLORIDA P.E. LICENSE NO. 66086

G:\ENGINEERING\PROJ-ENG\007\SUBMITTAL\90%CN007-PROFILES 12/18/2018 8:23 AM



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" = 2'	
HORI. 1" = 20'	

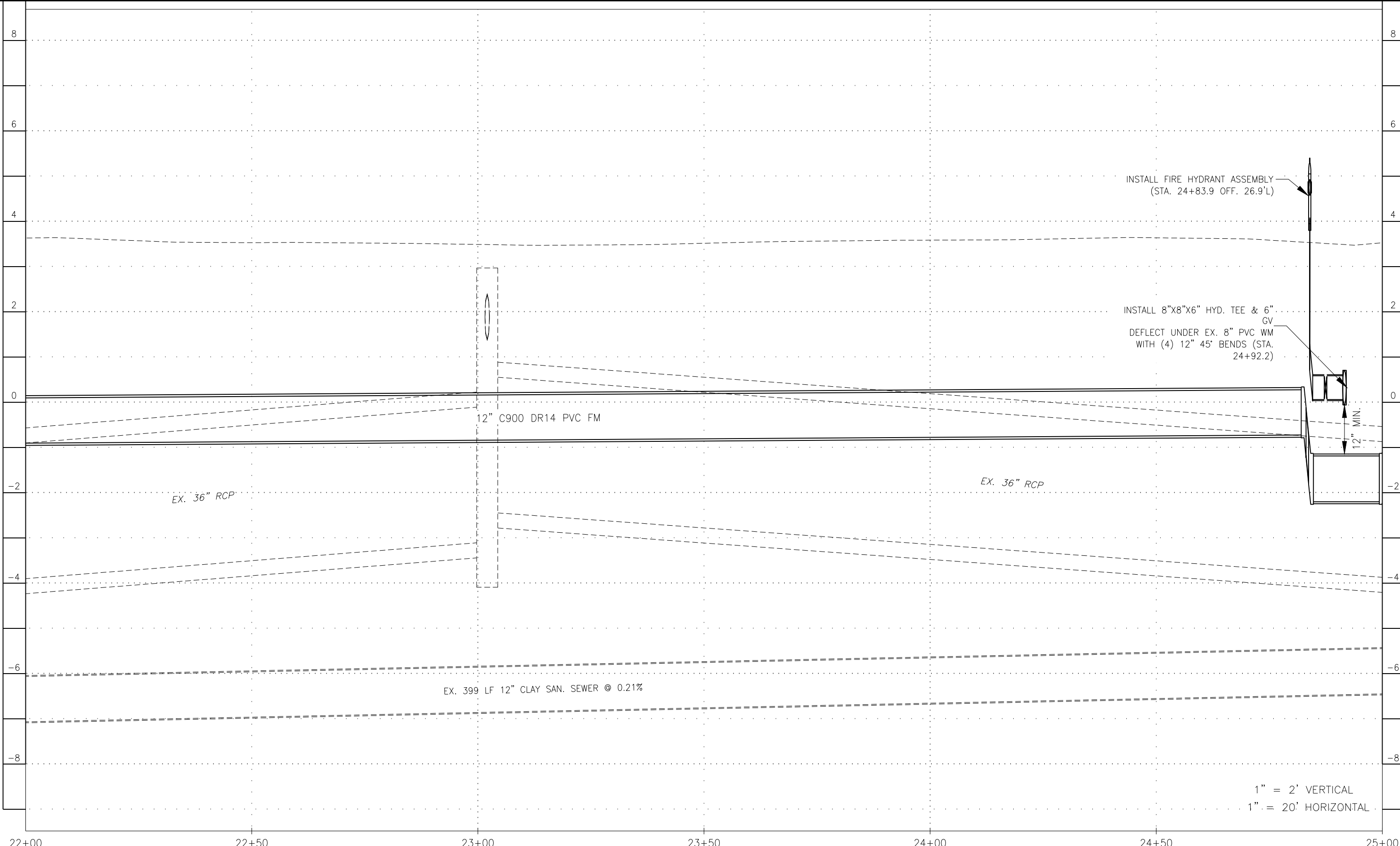
GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Business LC 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: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

8TH STREET IMPROVEMENTS
 PROFILE SHEET - 4
 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/RGB: 34/49S & 3/50S/25E
 DATE: NOVEMBER, 2018
 SUBMITTAL TYPE: 90% SUBMITTAL
 SHEET 44 OF 96

C:\ENGINEERING\PROJ-ENG\01\DWG\SUBMITTAL\90%CN007-PROFILES 12/18/2018 8:23 AM



1" = 2' 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" = 2'	
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

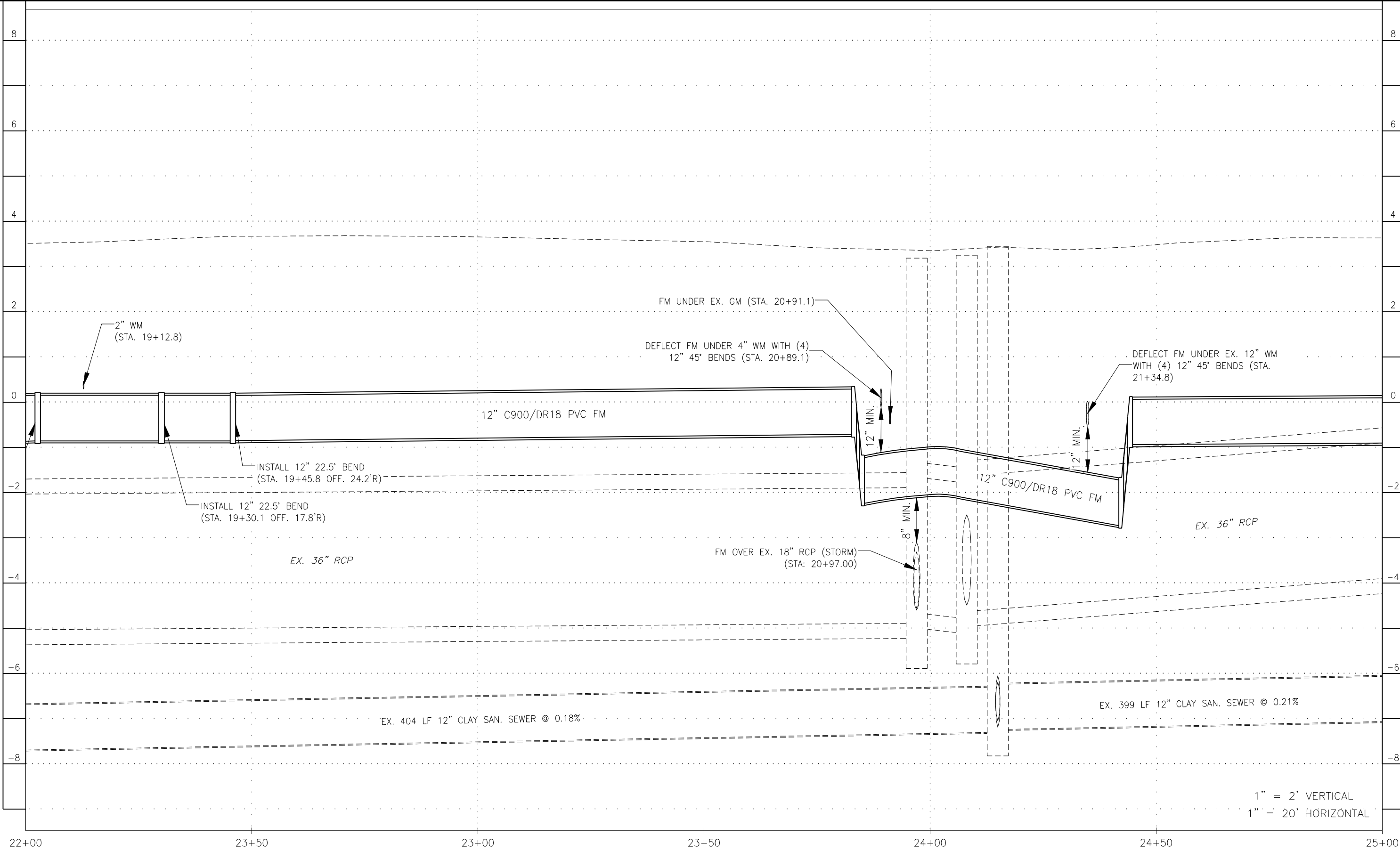
PROFILE SHEET - 5
 8TH STREET

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

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

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	45 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\SUBMITTAL\90%CN007-PROFILES-12/18/2018-8:23 AM



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" = 2'	
HORI. 1" = 20'	

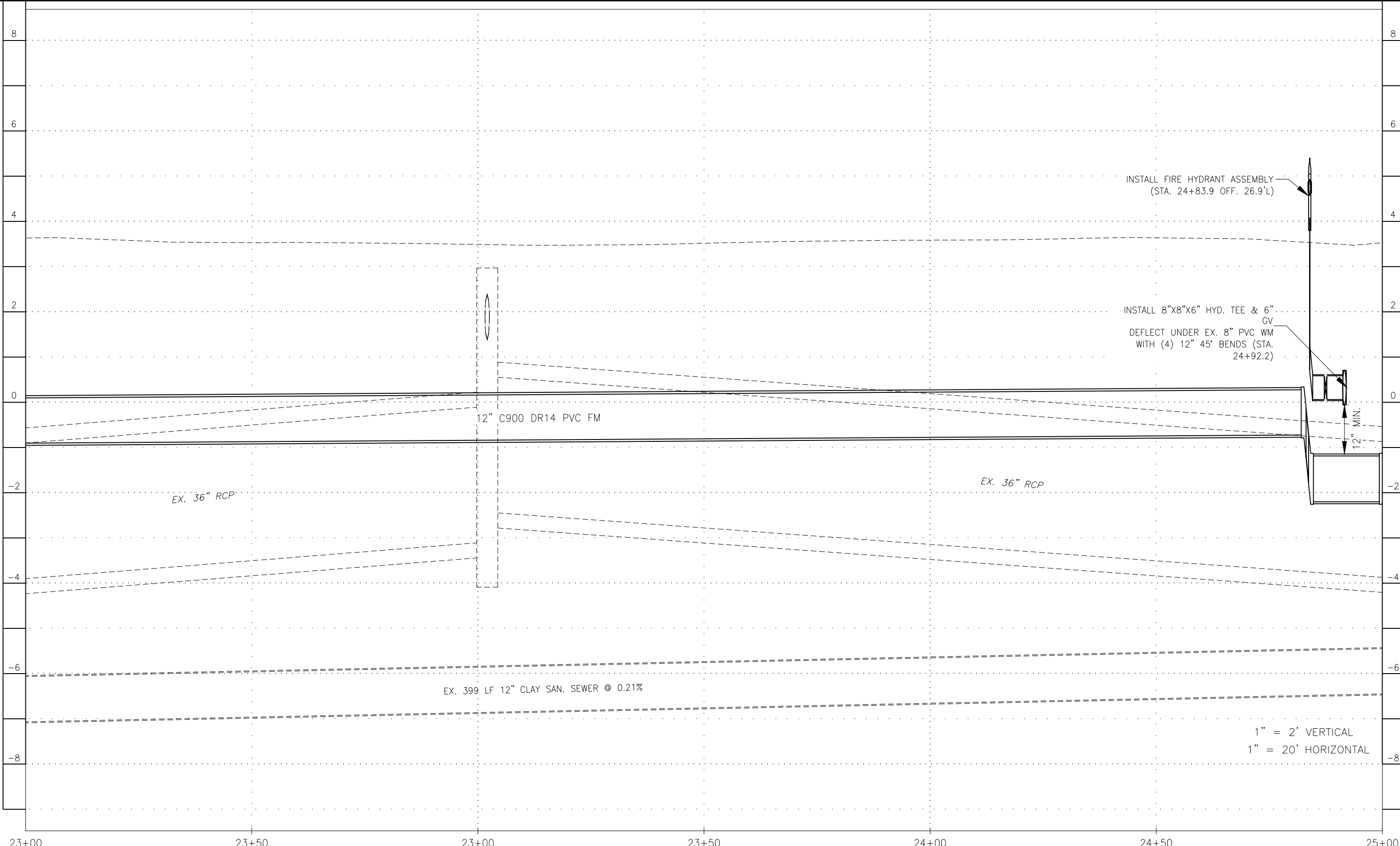
GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Business LG 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: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

8TH STREET IMPROVEMENTS
 PROFILE SHEET - 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

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

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGB: 34/49S & 3/50S/25E
 DATE: NOVEMBER, 2018
 SUBMITTAL TYPE: 90% SUBMITTAL
 SHEET 46 OF 96

C:\ENGINEERING\PROJ-ENG\07\DWG\SUBMITTAL\90%\C9007-PROFILES 12/18/2018 8:23 AM



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

LEGEND

Revision	Date	Description	By

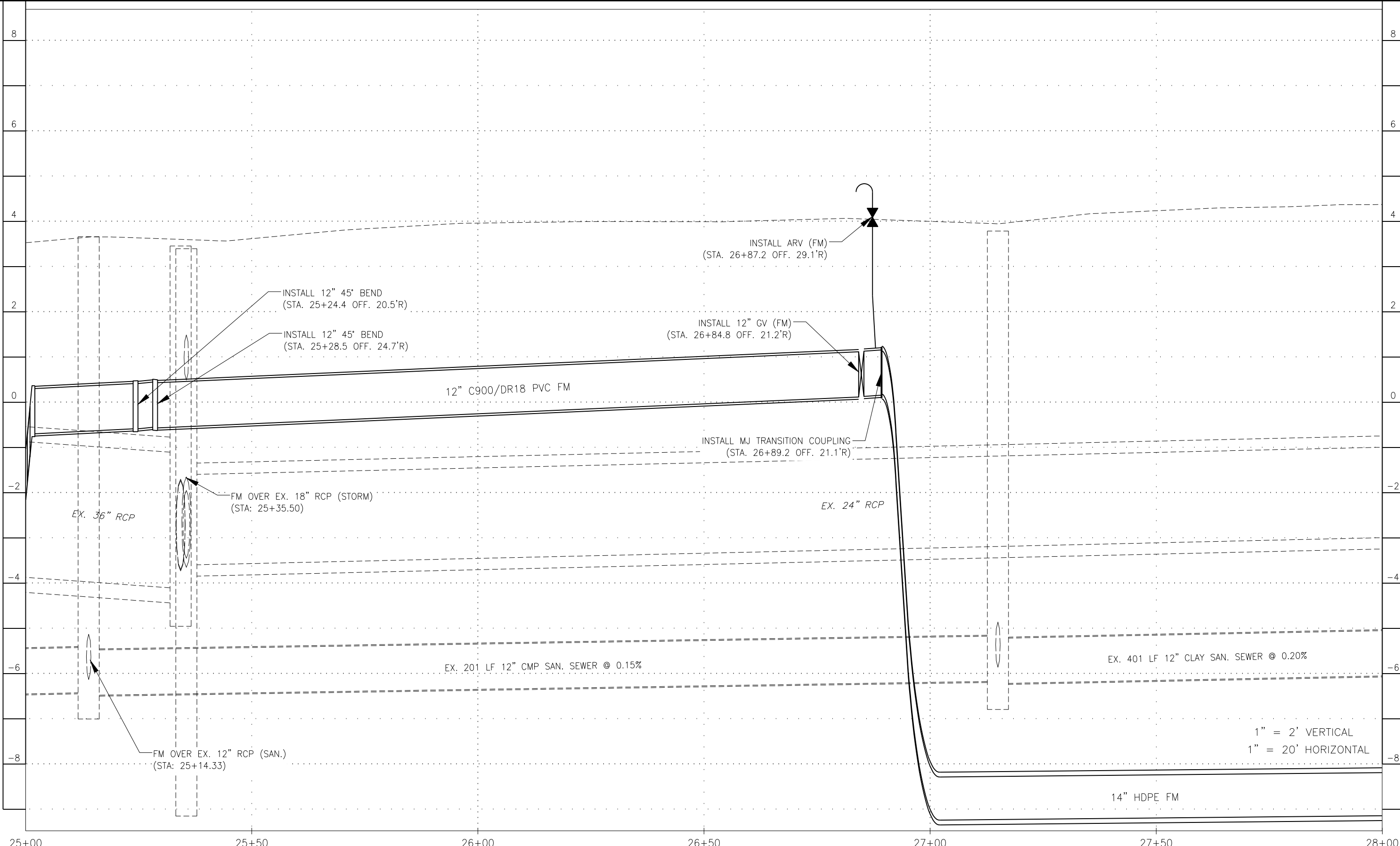
DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE: VERT. 1" = 2'	HORL. 1" = 20'

GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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
 PROFILE SHEET - 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

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

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGB:	34/49S & 3/50S/25E
DATE:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	47 OF 96



1" = 2' 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" = 2'	
HOR. 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

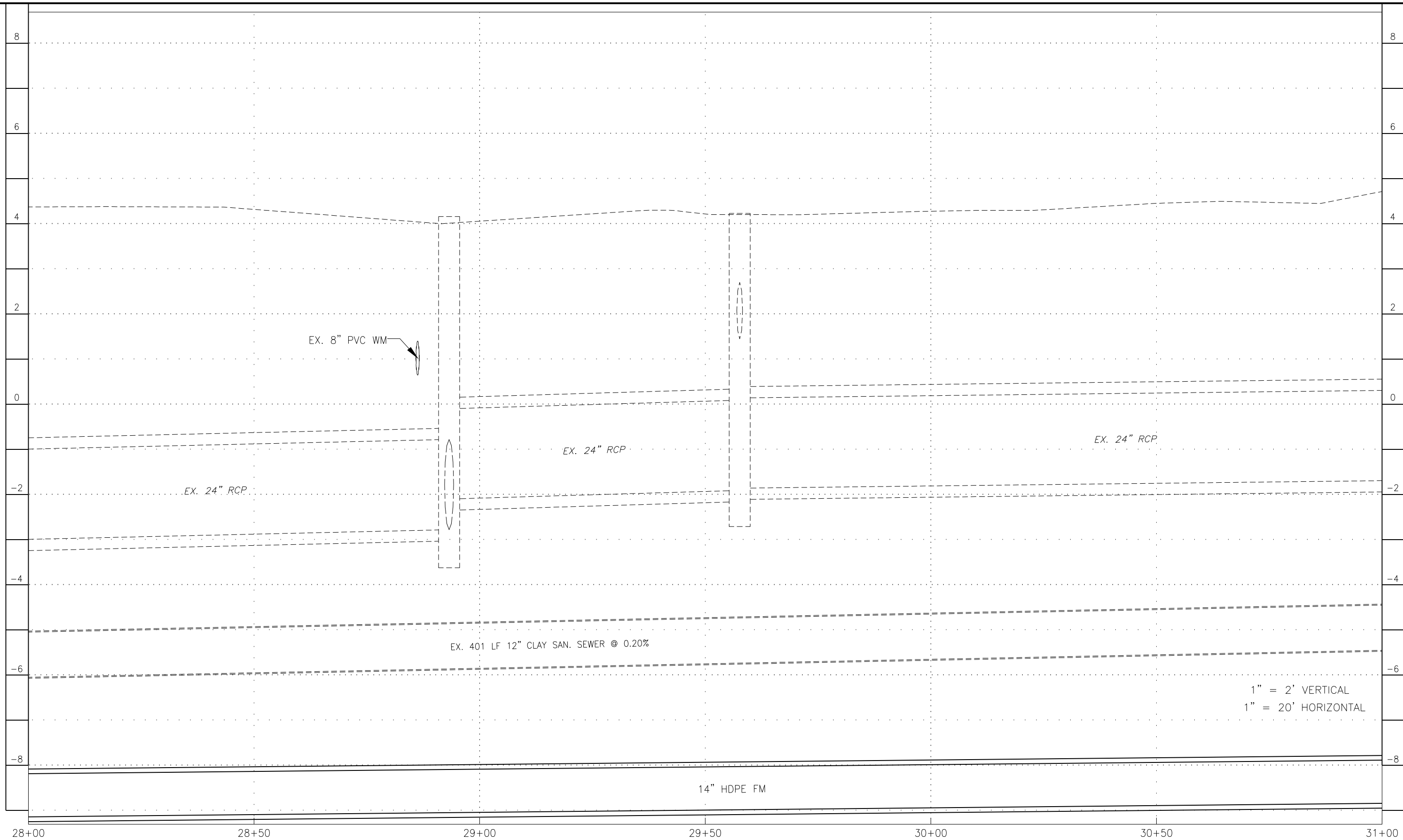
PROFILE SHEET - 8
 8TH STREET

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

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGB:	34/49S & 3/50S/25E
DATE:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET 48 OF 96	

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

C:\ENGINEERING\PROJ-ENG\CN007\SUBMITTALS\90%CN007-PROFILES 12/18/2018 8:24 AM



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

28+00 28+50 29+00 29+50 30+00 30+50 31+00

Revision	Date	Description	By

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

PROFILE SHEET - 9
 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

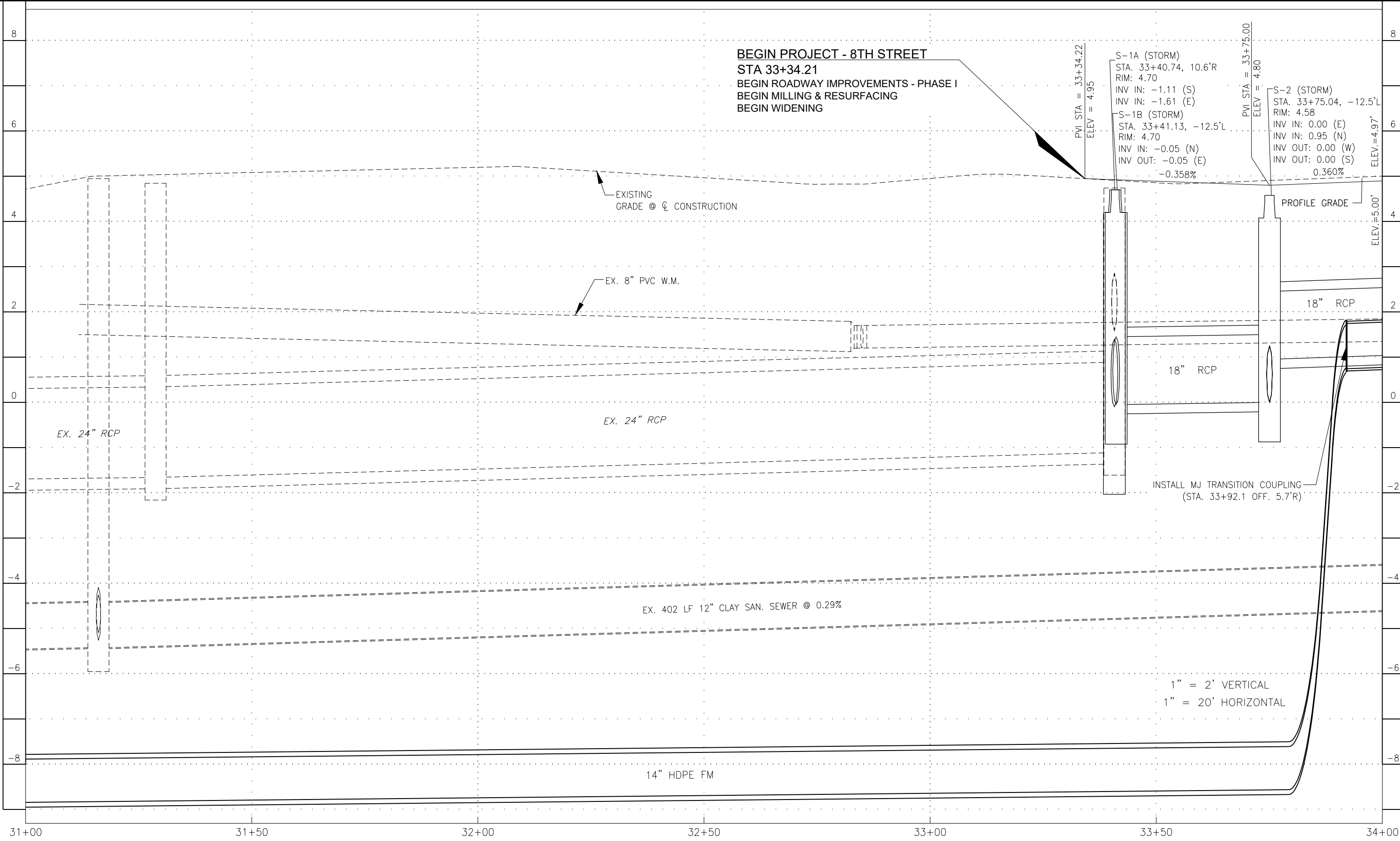
SEC/TWN/RGB:
 34/49S & 3/50S/25E

DATE:
 NOVEMBER, 2018

SUBMITTAL TYPE:
 90% SUBMITTAL

SHEET 49 OF 96

C:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTALTYPE\90%CN007-PROFILES 12/18/2018 8:24 AM



31+00 31+50 32+00 32+50 33+00 33+50 34+00

1" = 2' 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" = 2'
HORI. 1" = 20'



Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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

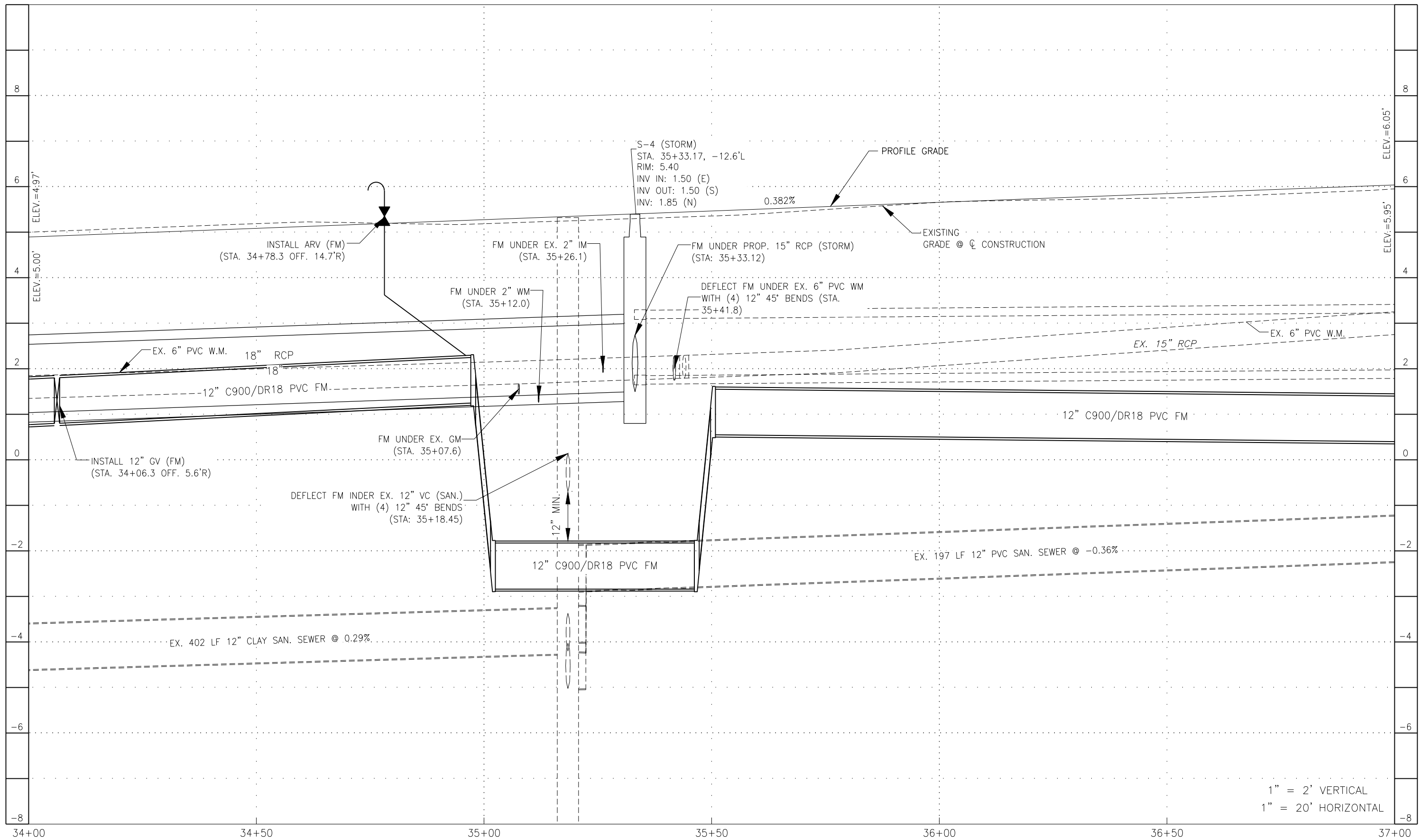
**PROFILE SHEET - 10
8TH STREET**

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: NOVEMBER, 2018
SUBMITTAL TYPE: 90% SUBMITTAL
SHEET 50 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\DWG\SUBMITTAL\90%CN007-PROFILES 12/18/2018 8:24 AM



1" = 2' 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" = 2'
HORI.:	1" = 20'



Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 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

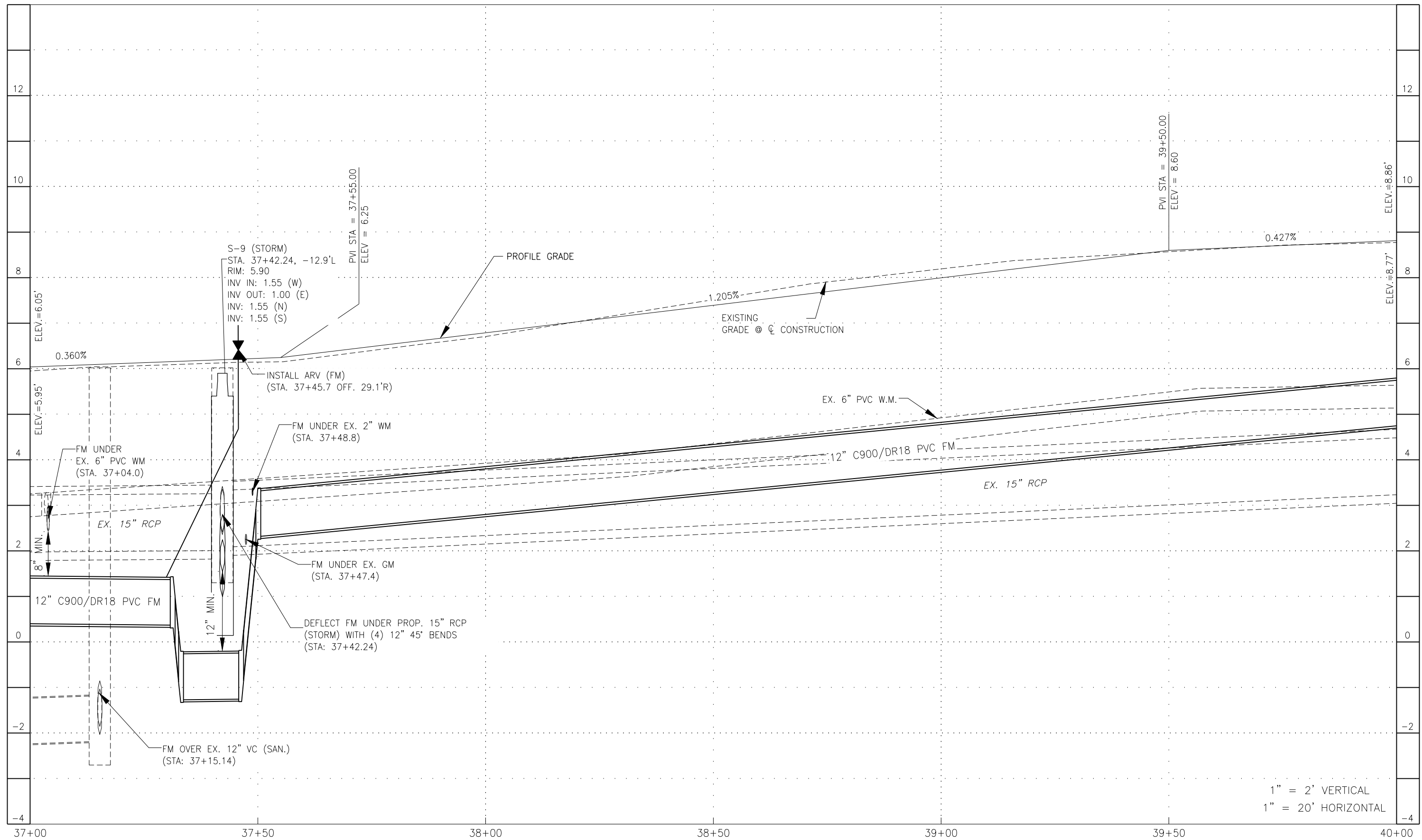
**PROFILE SHEET - 11
8TH STREET**

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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	51 OF 96

G:\ENGINEERING\PROJ-ENG\12\DWG\SUBMITTAL\90%CN007-PROFILES 12/18/2018 8:24 AM



1" = 2' 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" = 2'	
HORL. 1" = 20'	



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

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

8TH STREET IMPROVEMENTS

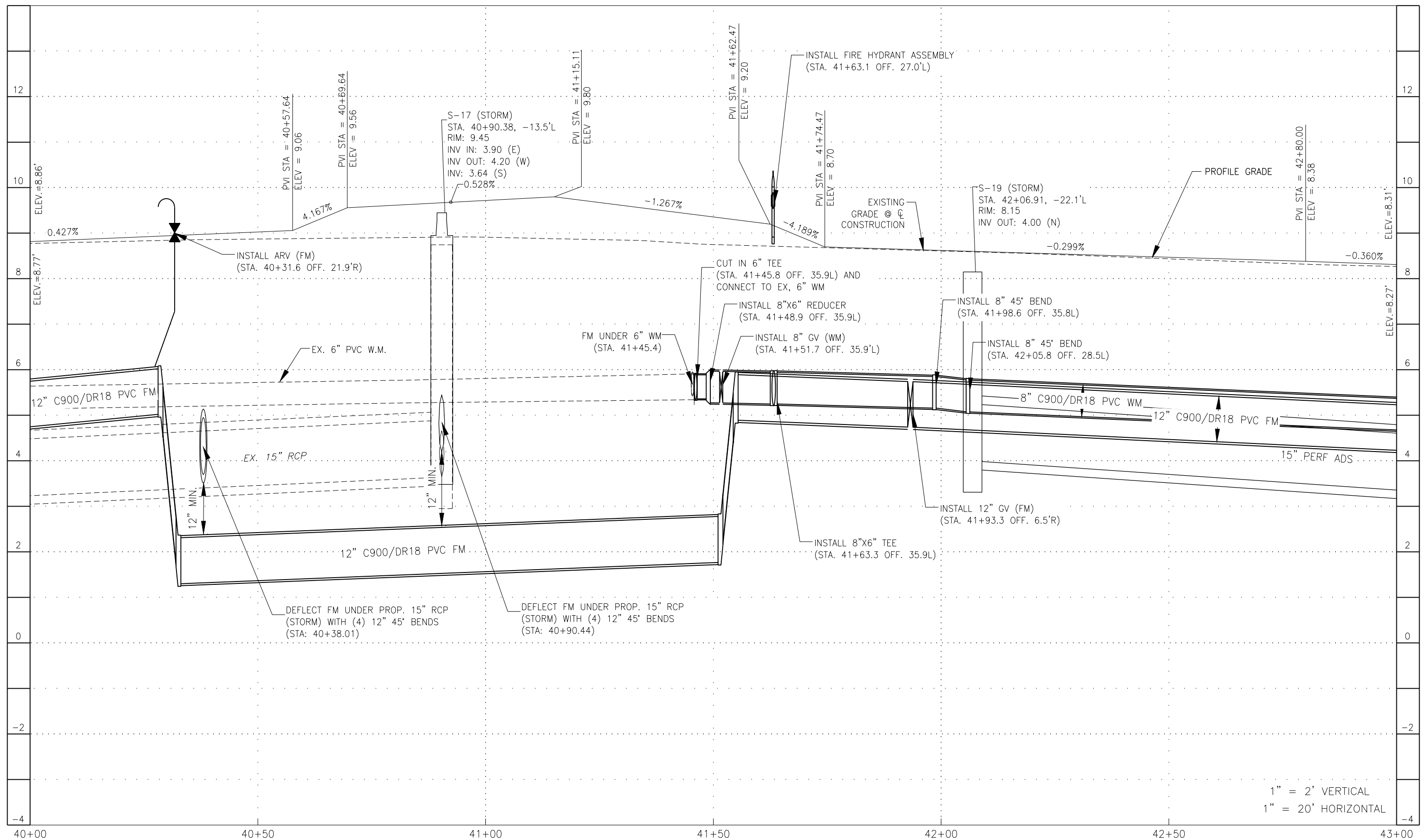
PROFILE SHEET - 12
8TH STREET

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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	52 OF 96

C:\ENGINEERING\PROJ-ENG\12\DWG\SUBMITTYPE\90%\CN007-PROFILES-12/18/2018 8:24 AM



1" = 2' 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" = 2'	
HORI. 1" = 20'	



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

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

8TH STREET IMPROVEMENTS

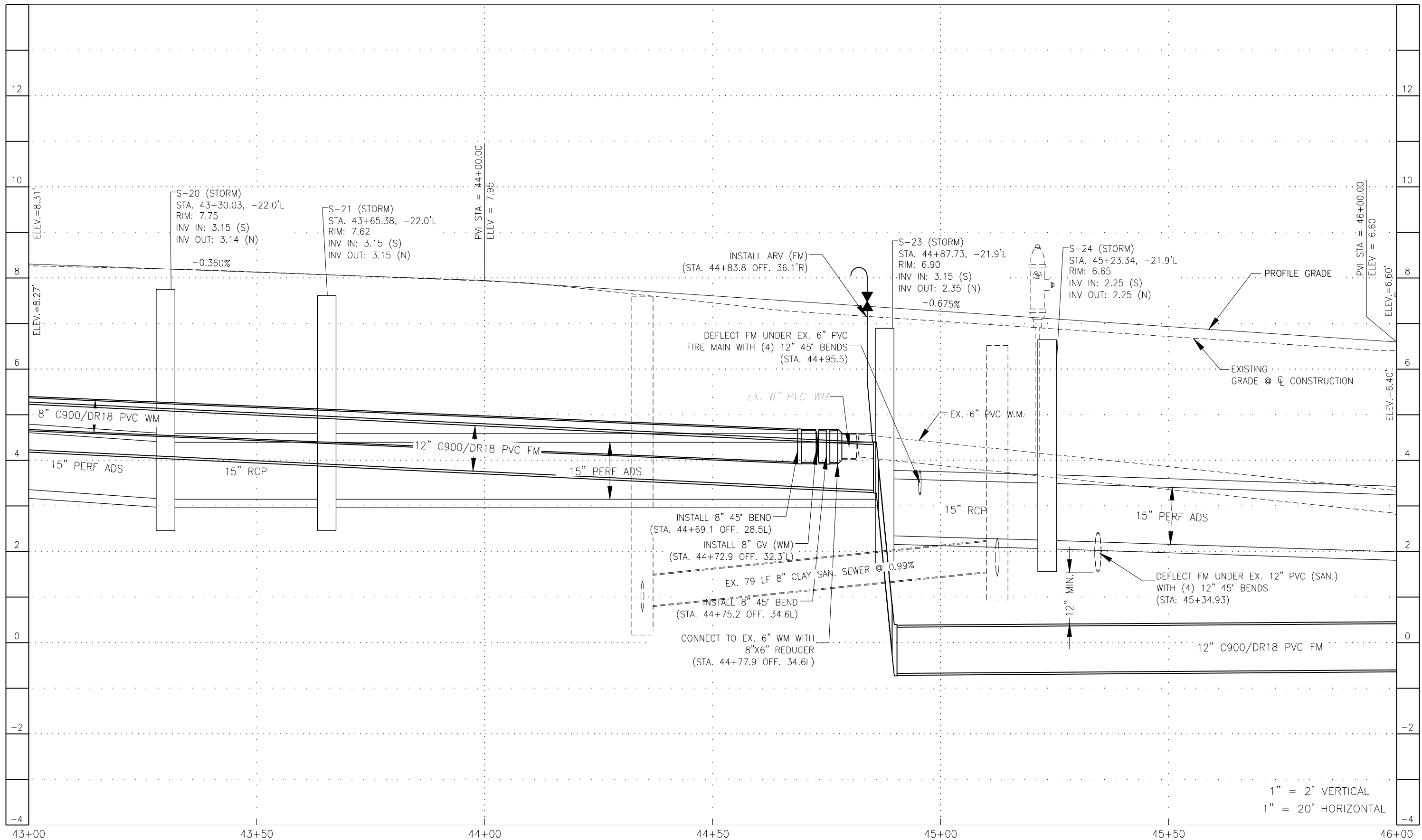
**PROFILE SHEET - 13
 8TH STREET**

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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	53 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\DWG\SUBMITTYPE\90%\CN007-PROFILES 12/18/2018 8:24 AM



1" = 2' 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" = 2'	
HOR. 1" = 20'	



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

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

8TH STREET IMPROVEMENTS

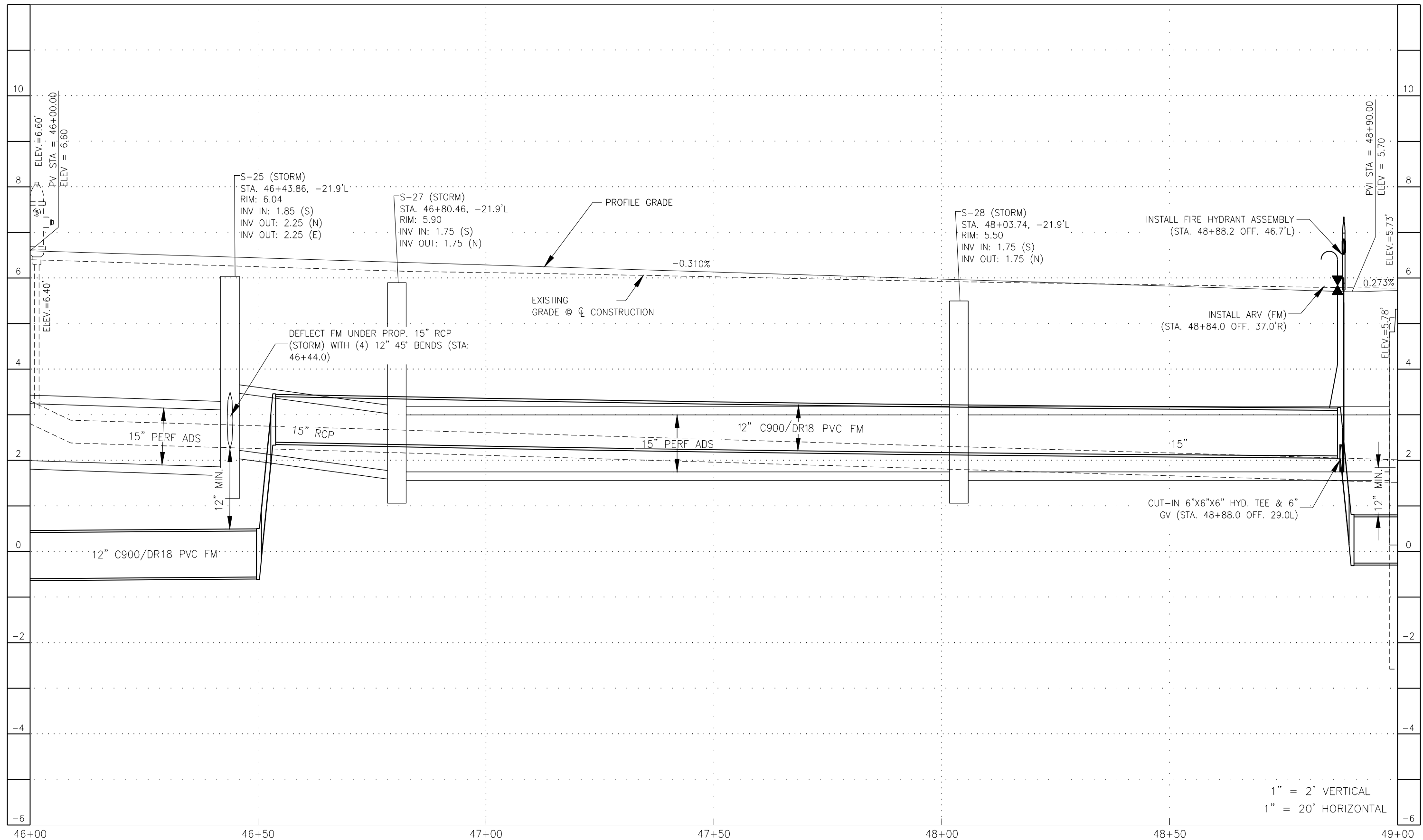
**PROFILE SHEET - 14
8TH STREET**

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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	54 OF 96

C:\ENGINEERING\PROJ-ENG\CN007\DWG\SUBMITTYPE\90%\CN007-PROFILES 12/18/2018 8:24 AM



1" = 2' 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" = 2'	
HORL. 1" = 20'	



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

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

8TH STREET IMPROVEMENTS

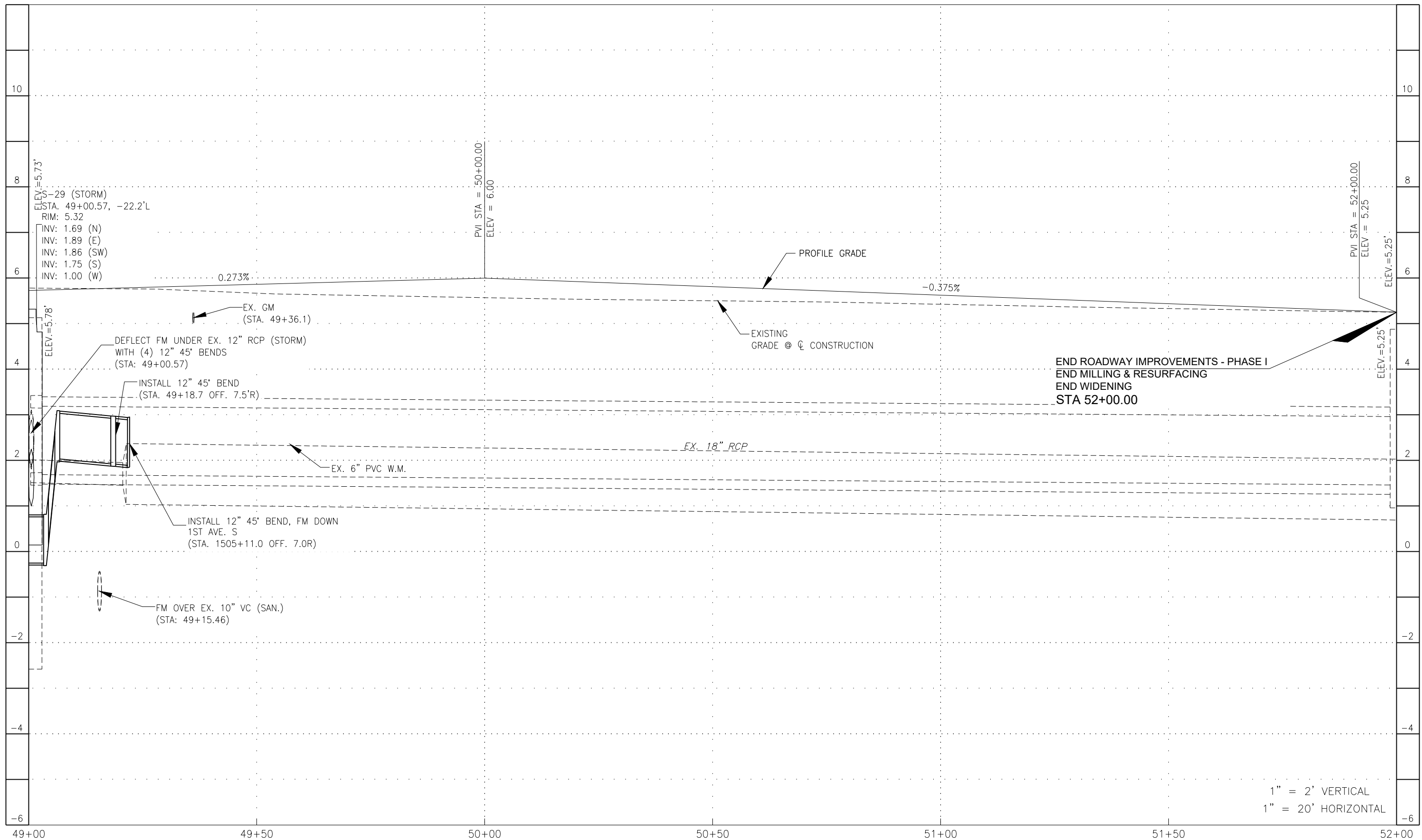
PROFILE SHEET – 15
8TH STREET

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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	55 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\SUBMITTAL\90%\CN007-PROFILES 12/18/2018 8:25 AM



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" = 2'	
HORI. 1" = 20'	



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

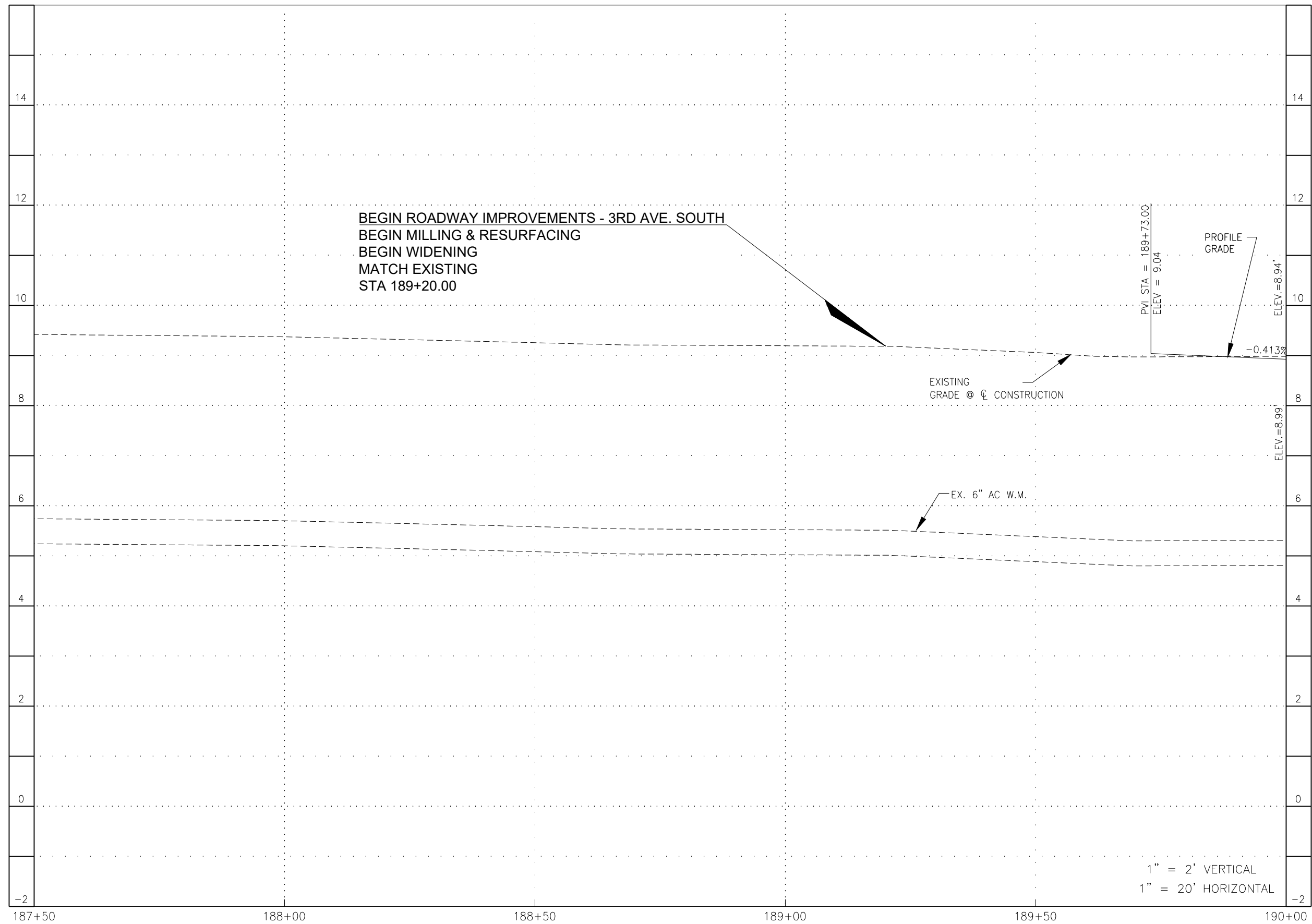
PROFILE SHEET - 16
 8TH STREET

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:	NOVEMBER, 2018
SUBMITTAL TYPE:	90% SUBMITTAL
SHEET	56 OF 96

G:\ENGINEERING\PROJ-ENG\VC\0007\01\DWG\SUBMITTYPE\90%\C\007-PROFILES 12/18/2018 8:25 AM



1" = 2' 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" = 2'
HORI. 1" = 20'



GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
Bonita Springs: 239.947.1144 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

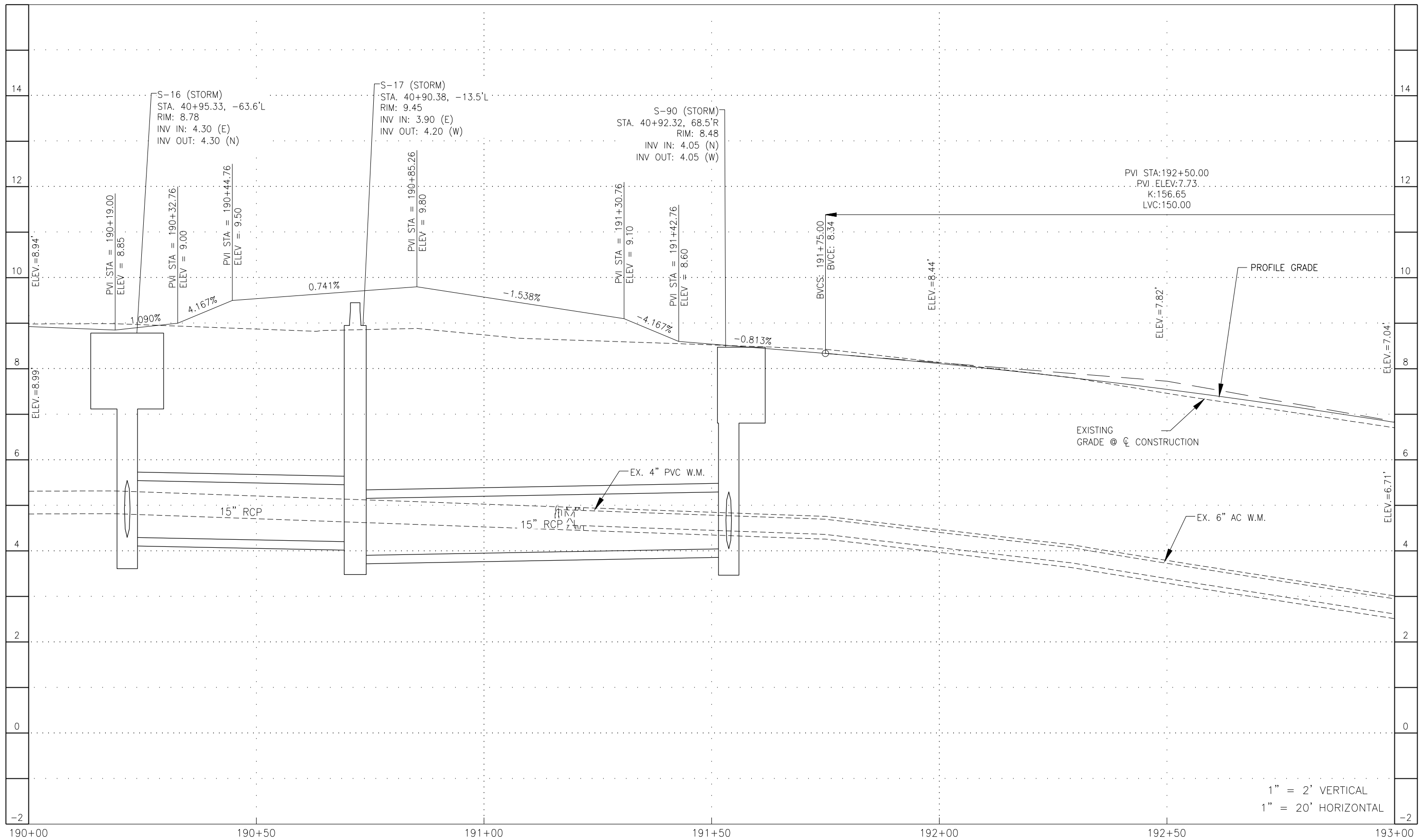
PROFILE SHEET - 17
3RD AVENUE SOUTH

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 57 OF 96

C:\ENGINEERING\PROJ-ENG\1\DWG\SUBMITTYPE\90\%CN007-PROFILES 12/18/2018 8:25 AM



1" = 2' 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" = 2'	
HORI. 1" = 20'	



Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 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

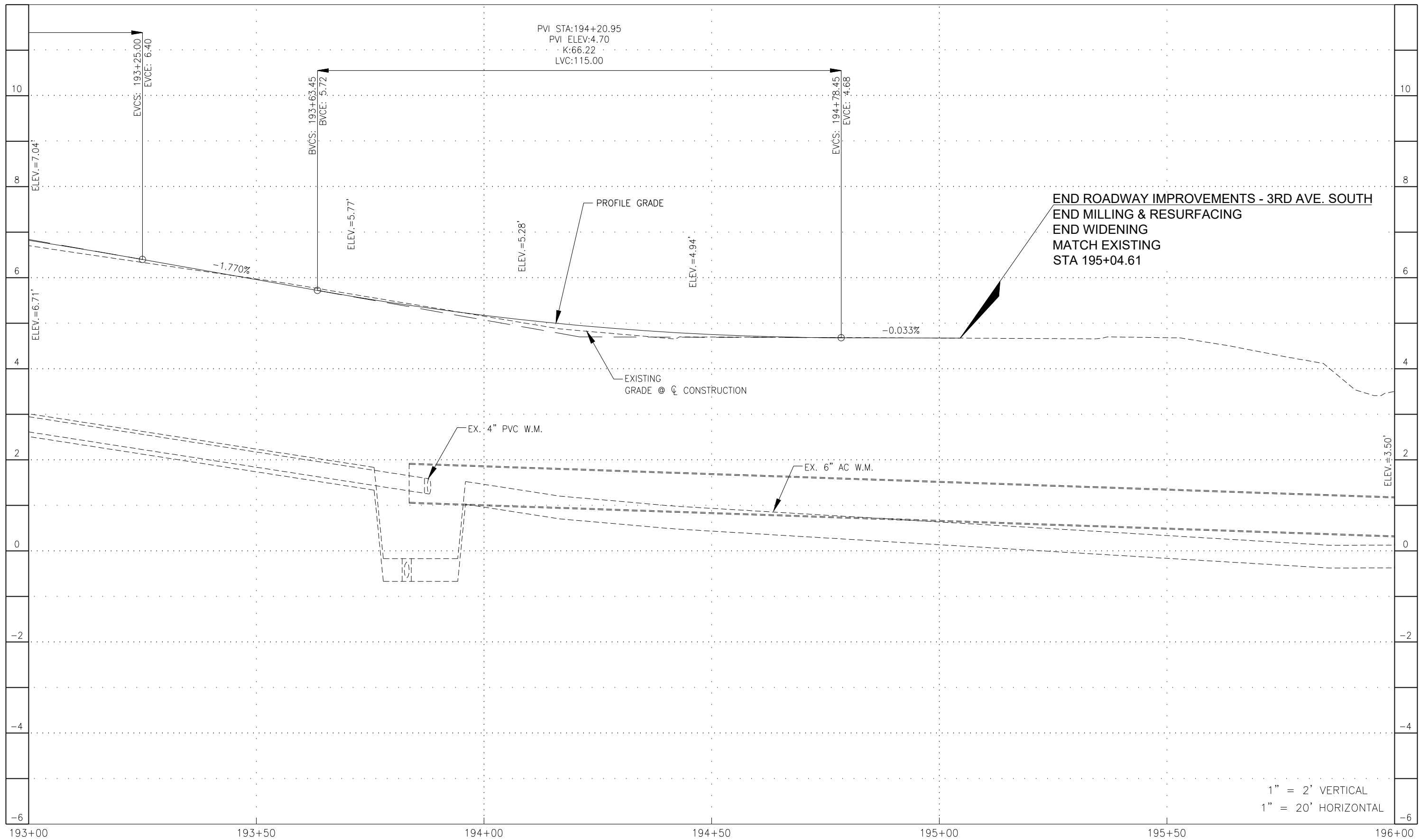
PROFILE SHEET - 18
 3RD AVENUE SOUTH

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	58 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\DWG\SUBMITTYPE\90%\CN007-PROFILES 12/18/2018 8:25 AM



END ROADWAY IMPROVEMENTS - 3RD AVE. SOUTH
 END MILLING & RESURFACING
 END WIDENING
 MATCH EXISTING
 STA 195+04.61

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

193+00 193+50 194+00 194+50 195+00 195+50 196+00

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" = 2'
 HORI. 1" = 20'



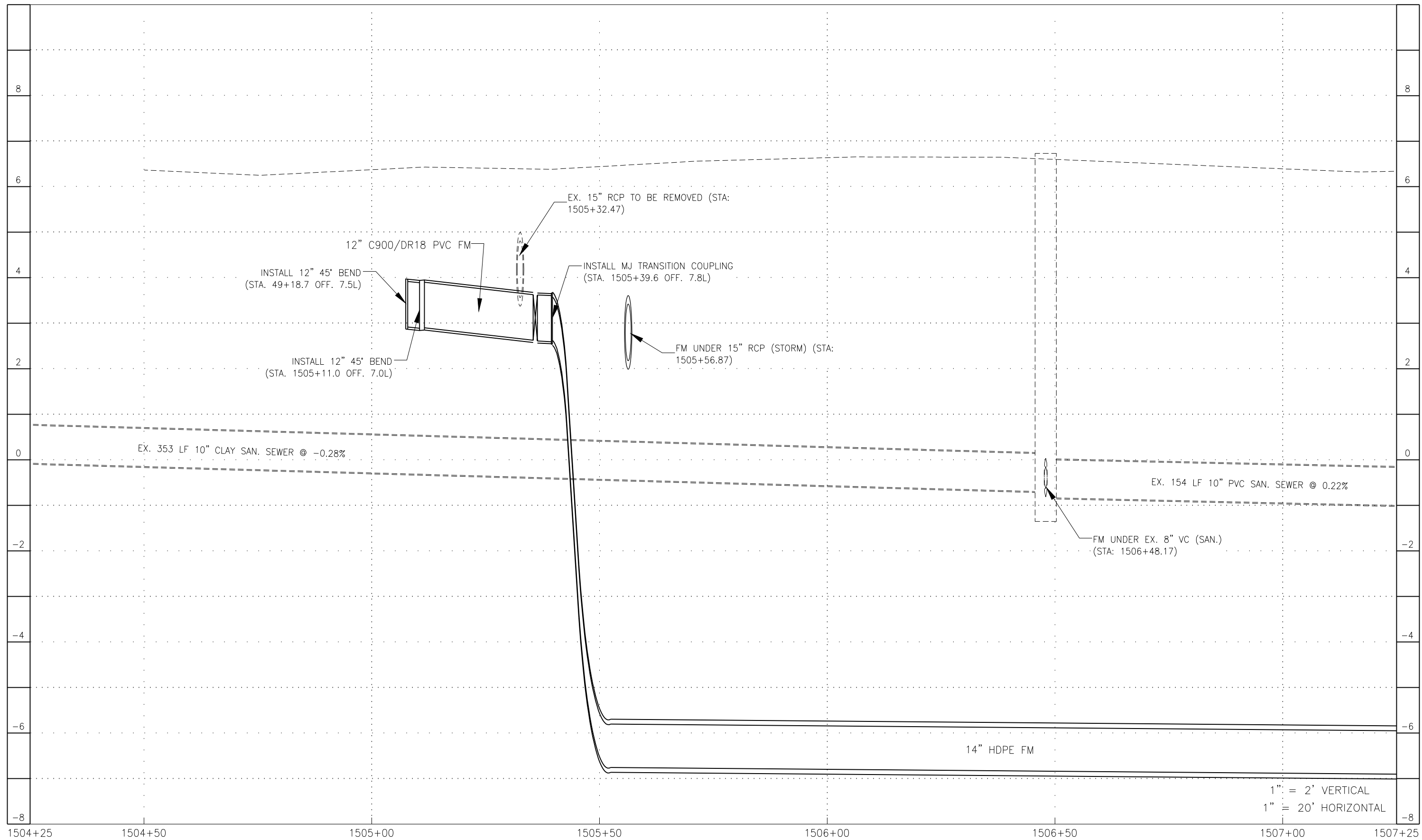
Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Business LC 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

8TH STREET IMPROVEMENTS
 PROFILE SHEET - 19
 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 59 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%\CN007-PROFILES 12/18/2018 8:25 AM



1" = 2' 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" = 2'	
HOR. 1" = 20'	



GradyMinor

Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 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

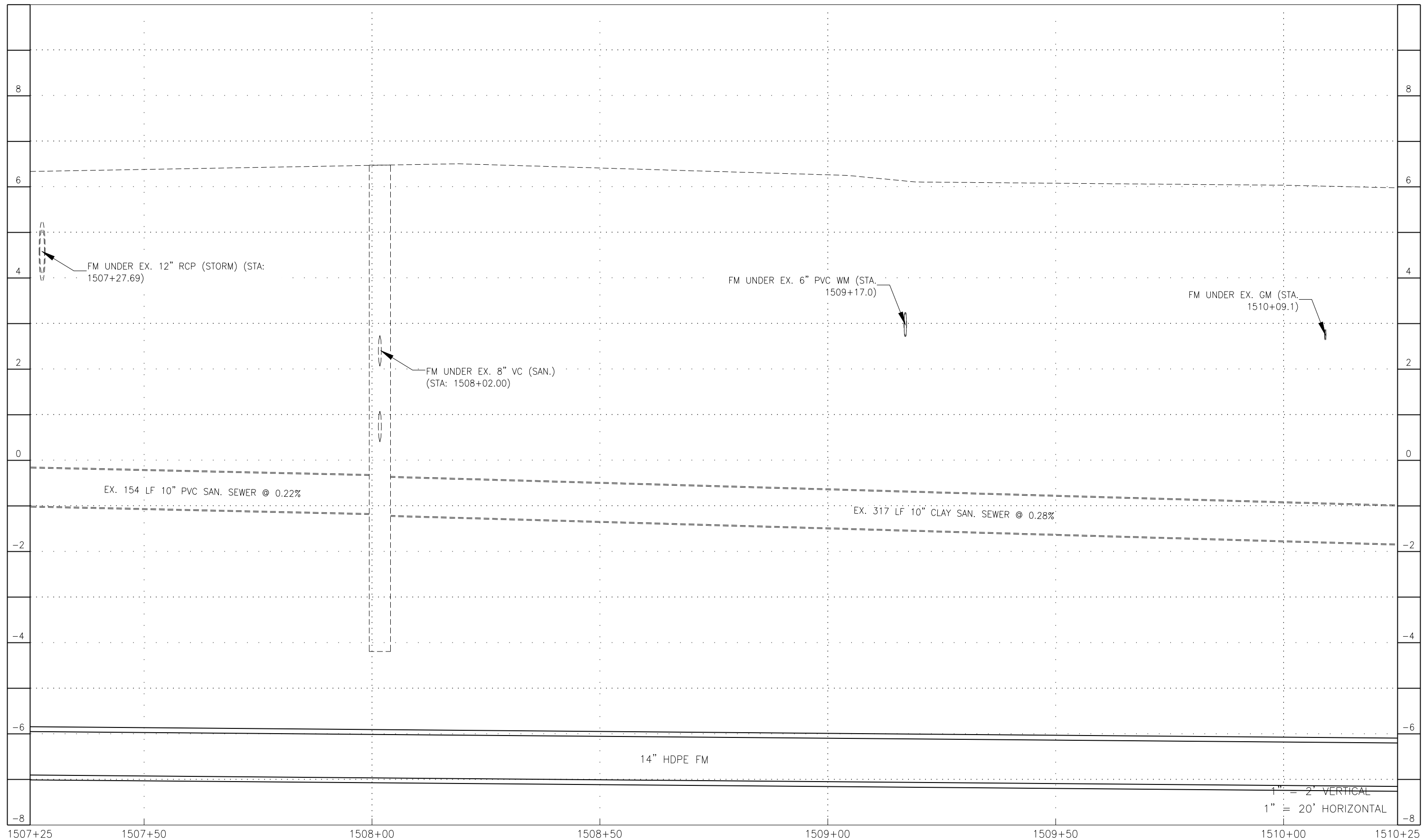
PROFILE SHEET - 20
1ST AVENUE SOUTH

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	60 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\DWG\SUBMITTAL\100%CN007-PROFILES 12/18/2018 8:25 AM



1" = 2' 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" = 2'	
HORL. 1" = 20'	



GradyMinor

Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 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

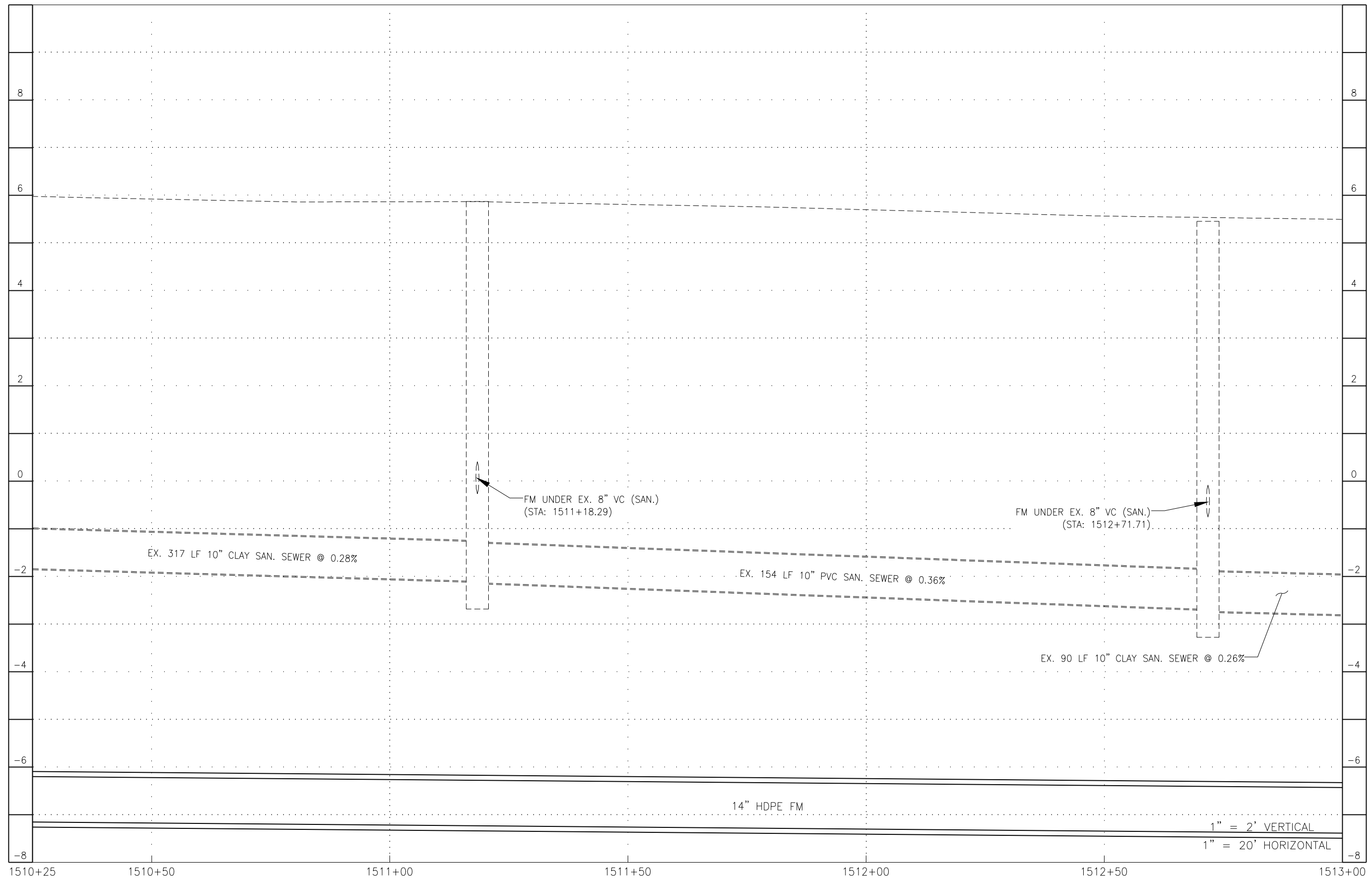
PROFILE SHEET - 21
 1ST AVENUE SOUTH

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	61 OF 96

G:\ENGINEERING\PROJ-ENG\CAD\DWG\SUBMITTAL\TYPE\90%\CN007-PROFILES 12/18/2018 8:26 AM



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" = 2'
 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

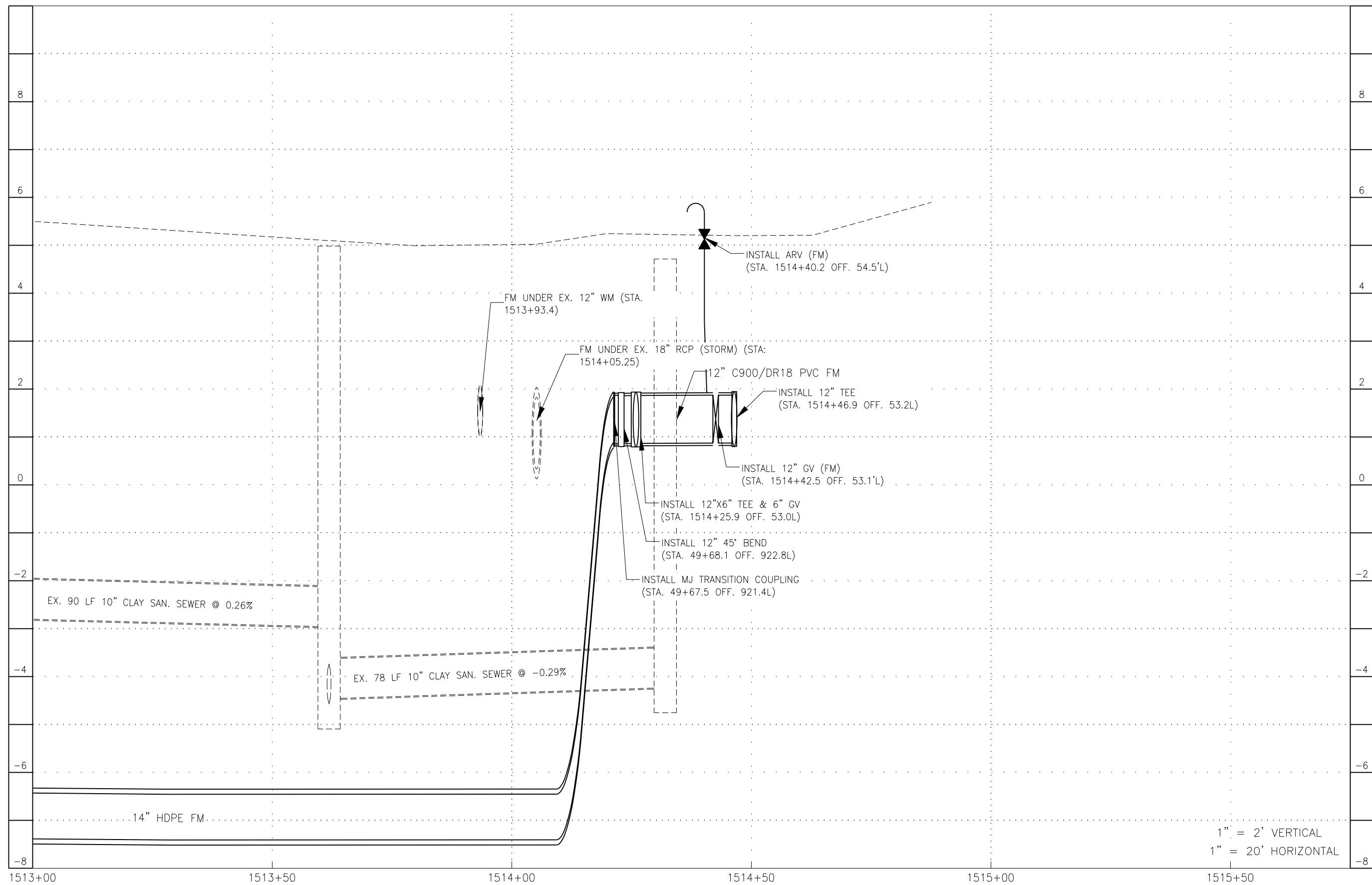
PROFILE SHEET - 22
 1ST AVENUE SOUTH

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 62 OF 96

C:\ENGINEERING\PROJ-ENG\07\DWG\SUBMITTYPE\90\%CN007-PROFILES 12/18/2018 8:26 AM



1" = 2' 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" = 2'	
HORL. 1" = 20'	



Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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

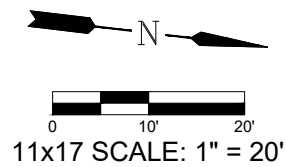
PROFILE SHEET - 23
1ST AVENUE SOUTH

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

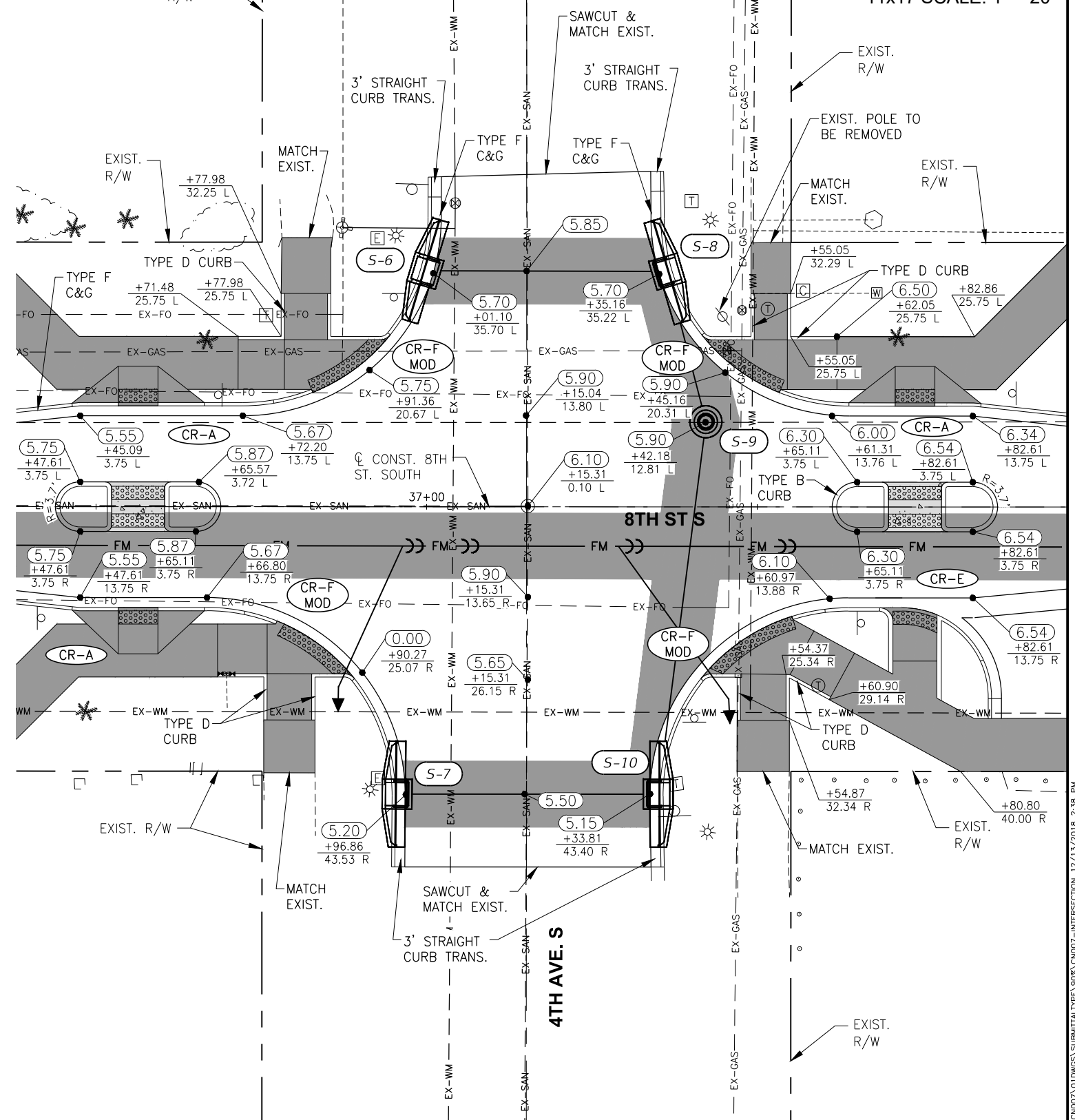
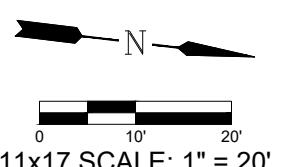
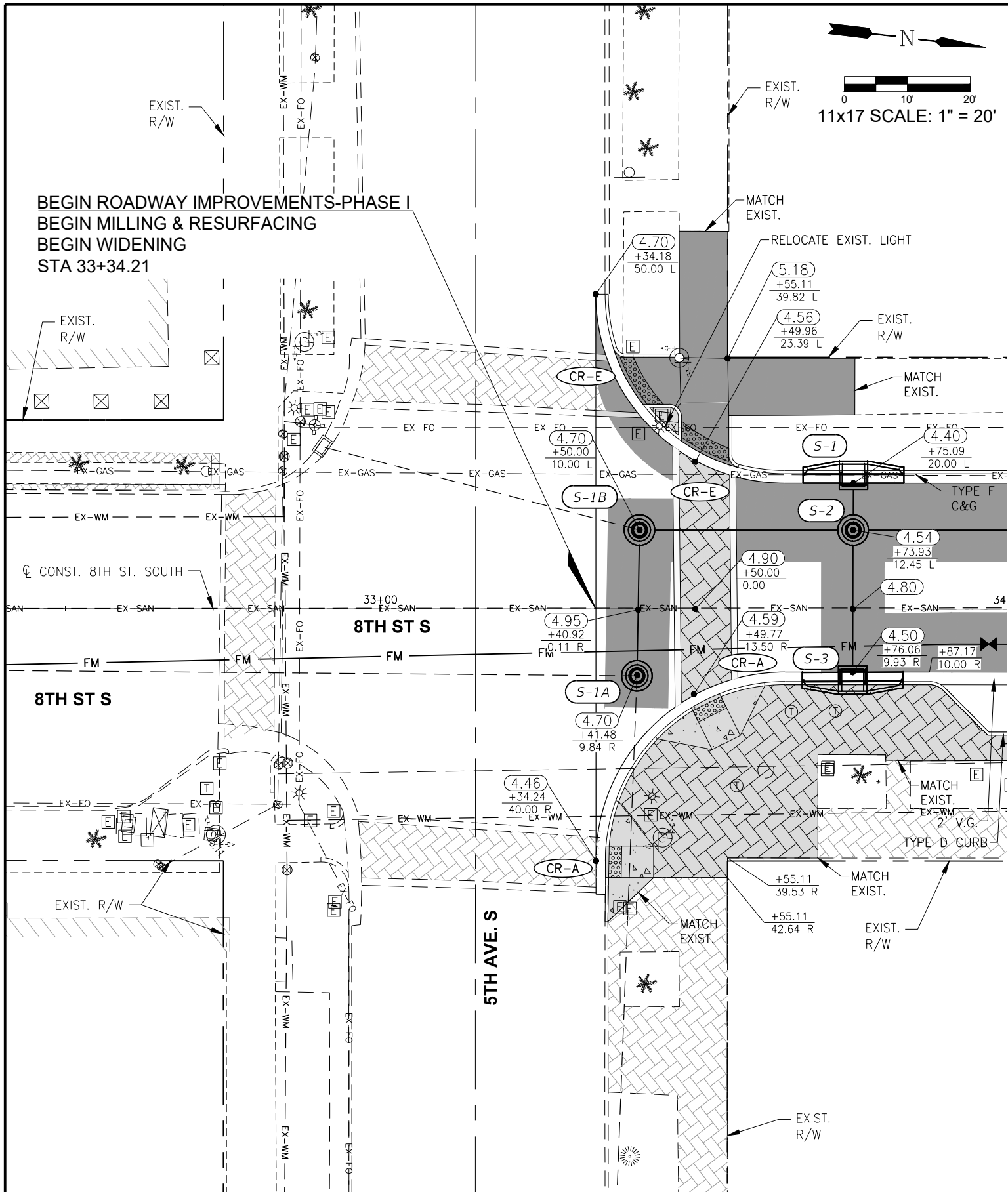
JUSTIN A. FREDERIKSEN, P.E.
FLORIDA P.E. LICENSE NO. 66086

MUNICIPALITY:	CITY OF NAPLES
SEC/TWN/RGE:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% SUBMITTAL
SHEET 63 OF 96	

G:\ENGINEERING\PROJ-ENG\CN007\GDWGS\SUBMITTYPE\90%CN007-PROFILES 12/18/2018 8:26 AM



BEGIN ROADWAY IMPROVEMENTS-PHASE I
 BEGIN MILLING & RESURFACING
 BEGIN WIDENING
 STA 33+34.21



LEGEND		
	PROPOSED WIDENING	
	PROPOSED PAVEMENT RECONSTRUCTION	
	PROPOSED 6" CONCRETE	
	PROPOSED 4" CONCRETE SIDEWALK	

Revision	Date	Description

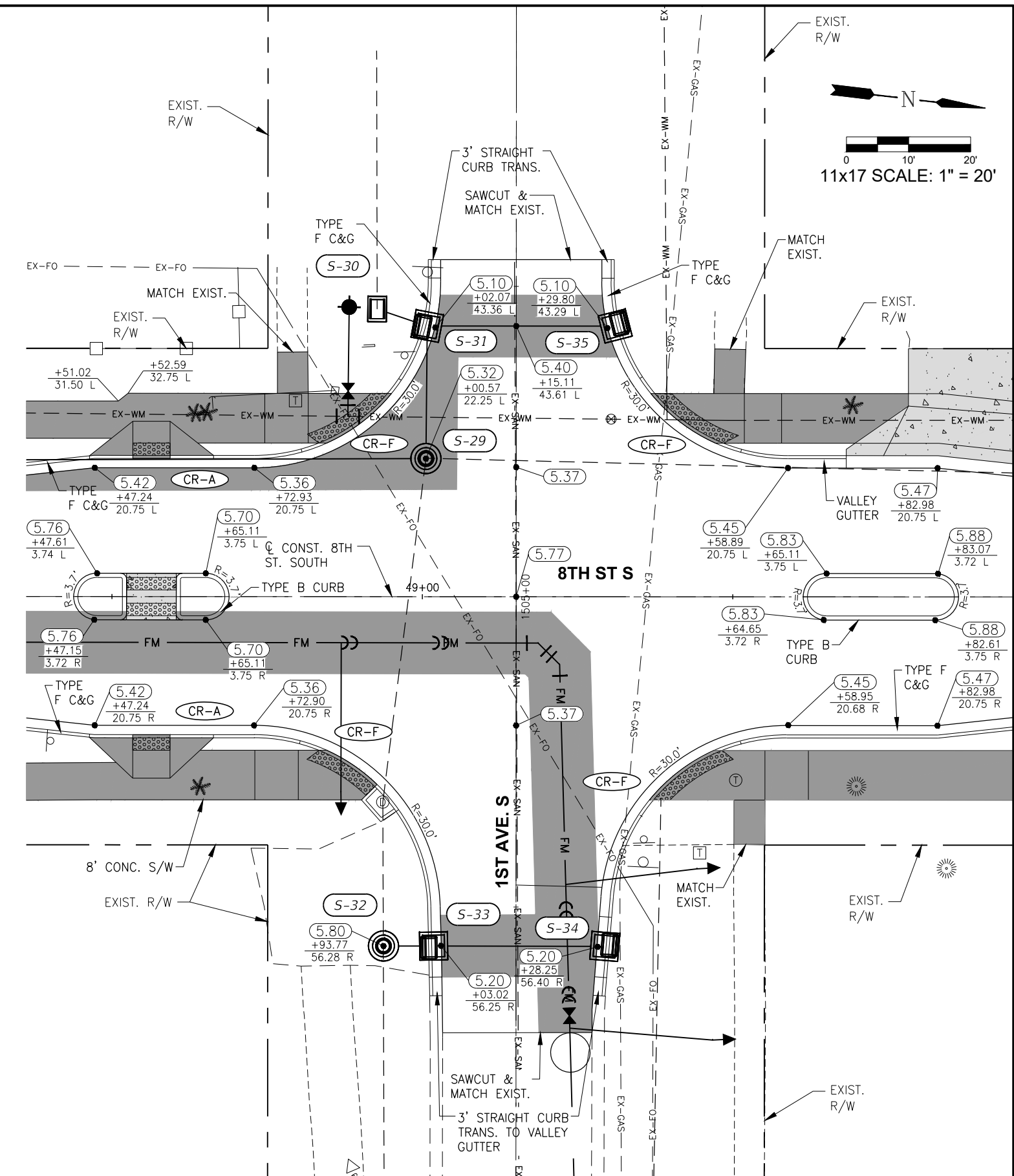
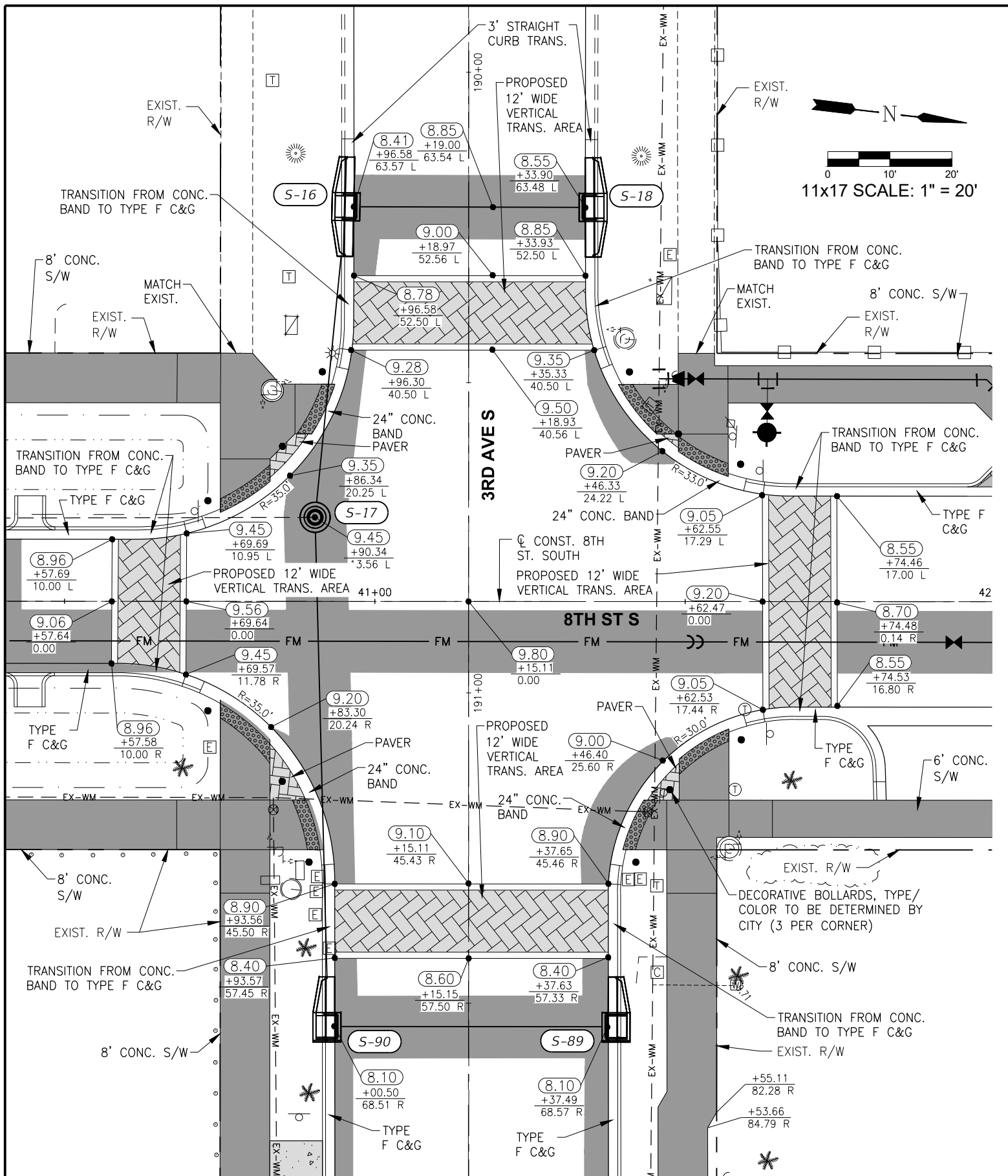
DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	
JOB CODE:	R.D.F.
SCALE:	CN007
	11x17 1" = 20'

GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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
 INTERSECTION GRADING DETAILS - 1
 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
SHEET	58 OF 96

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



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'

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

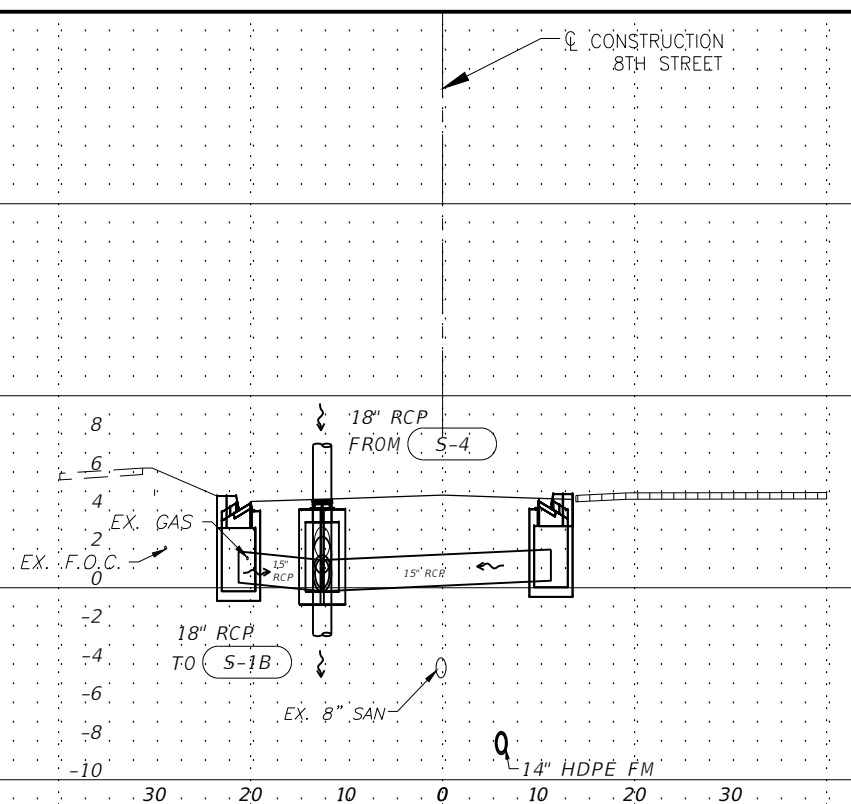
8th Street Improvements
 INTERSECTION GRADING DETAILS - 2

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/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% SUBMITTAL
 SHEET 59 OF 96

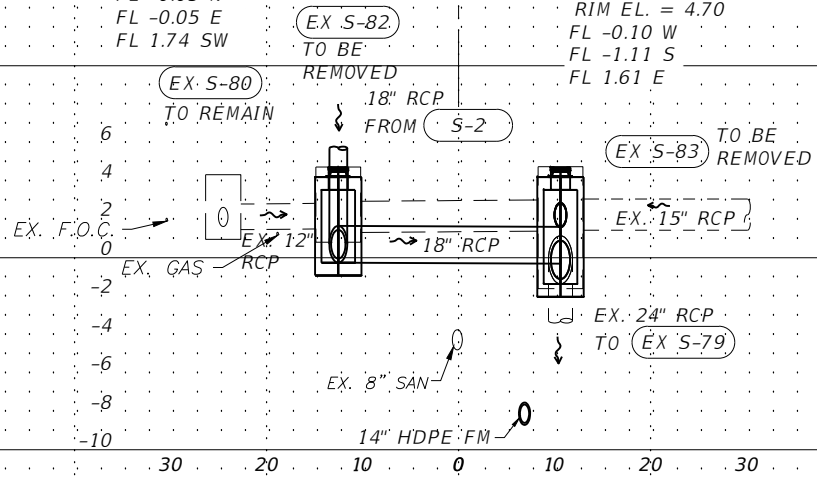
R. DANIEL FLYNN, P.E.
 FLORIDA P.E. LICENSE NO. 76205

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%\CAD007-INTERSECTION 12/13/2018 2:39 PM

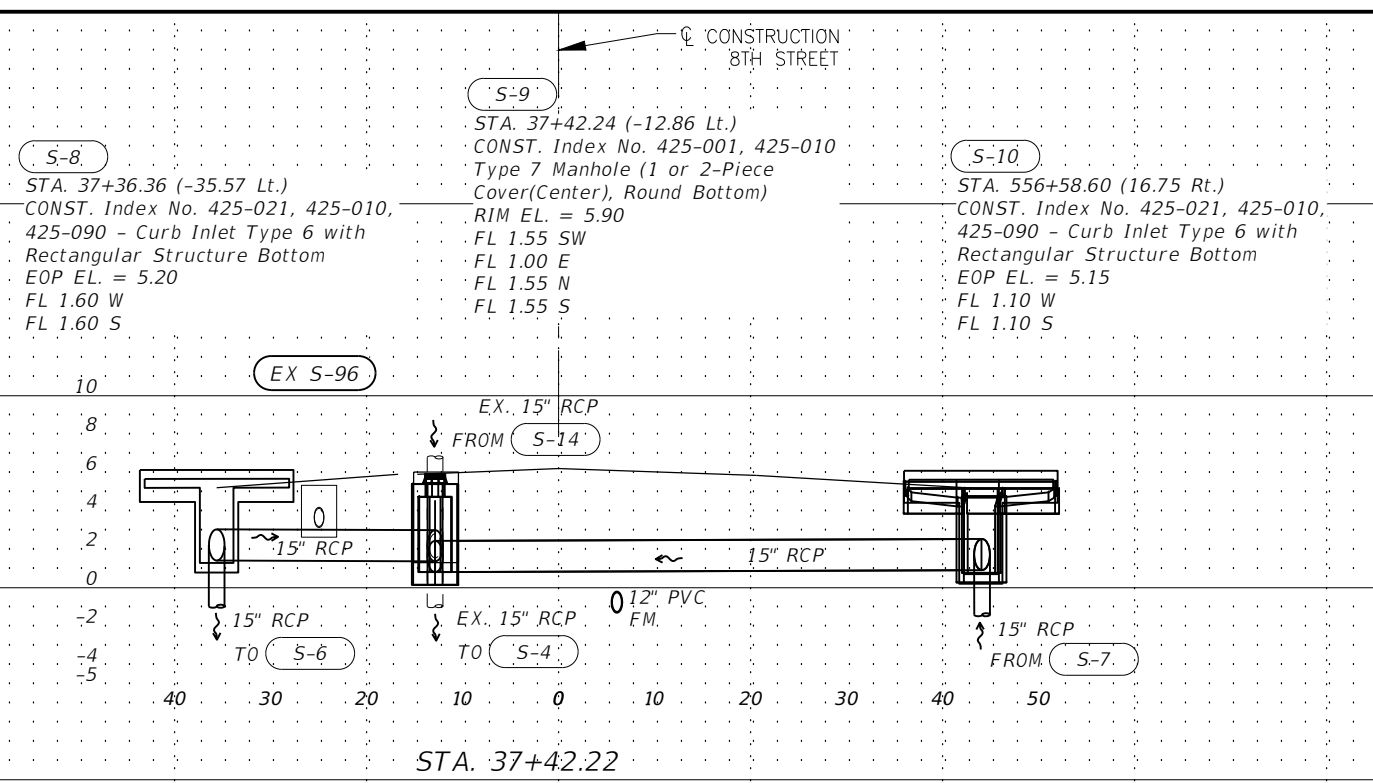


S-1B
 STA 33+41.13 (-12.54 Lt.)
 CONST. Index No. 425-001, 425-010 - Type 7 Manhole (1 or 2-Piece Cover (Center), Round Bottom)
 RIM EL. = 4.70
 FL -0.05 N
 FL -0.05 E
 FL 1.74 SW

S-1A
 STA 33+40.74 (10.61 Rt.)
 CONST. Index No. 425-001, 425-010 - Type 7 Manhole (1 or 2-Piece Cover (Center), Round Bottom)
 RIM EL. = 4.70
 FL -0.10 W
 FL -1.11 S
 FL 1.61 E



STA. 33+40.94



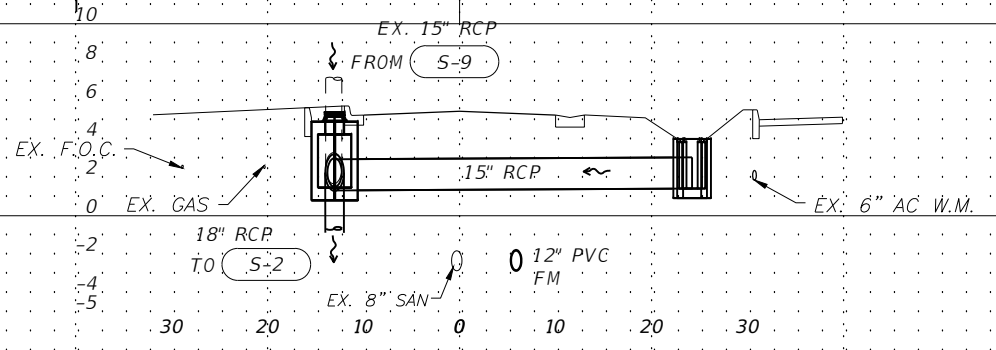
S-8
 STA. 37+36.36 (-35.57 Lt.)
 CONST. Index No. 425-021, 425-010, 425-090 - Curb Inlet Type 6 with Rectangular Structure Bottom
 EOP EL. = 5.20
 FL 1.60 W
 FL 1.60 S

S-9
 STA. 37+42.24 (-12.86 Lt.)
 CONST. Index No. 425-001, 425-010 Type 7 Manhole (1 or 2-Piece Cover (Center), Round Bottom)
 RIM EL. = 5.90
 FL 1.55 SW
 FL 1.00 E
 FL 1.55 N
 FL 1.55 S

S-10
 STA. 556+58.60 (16.75 Rt.)
 CONST. Index No. 425-021, 425-010, 425-090 - Curb Inlet Type 6 with Rectangular Structure Bottom
 EOP EL. = 5.15
 FL 1.10 W
 FL 1.10 S

S-4
 STA. 35+33.17 (-12.65 Lt.)
 CONST. Index No. 425-001, 425-010 Type 7 Manhole (1 or 2-Piece Cover (Center), Round Bottom)
 RIM EL. = 5.40
 FL 1.50 E
 FL 1.50 S
 FL 1.85 N

S-5
 STA. 35+24.22 (23.51 Rt.)
 CONST. Index No. 425-052 - Ditch Bottom Inlet - Type C
 RIM EL. = 4.00
 FL 1.60 W



STA. 35+30.04

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'

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
DRAINAGE STRUCTURES - 1
8TH STREET S
 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/ROB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 62 OF 96

C:\ENGINEERING\PROJ-ENG\007\01\DWG\SUBMITTAL\TYPE 90% CAD007-DRAWL SEC 12/17/2018 7:44 PM

S-16
 STA. 40+95.36 (-56.637 Lt.)
 CONST. Index No. 425-021, 425-010,
 425-090 - Curb Inlet Type 6 with
 Rectangular Structure Bottom
 EOP EL. = 8.41
 FL 4.30 E
 FL 4.30 N

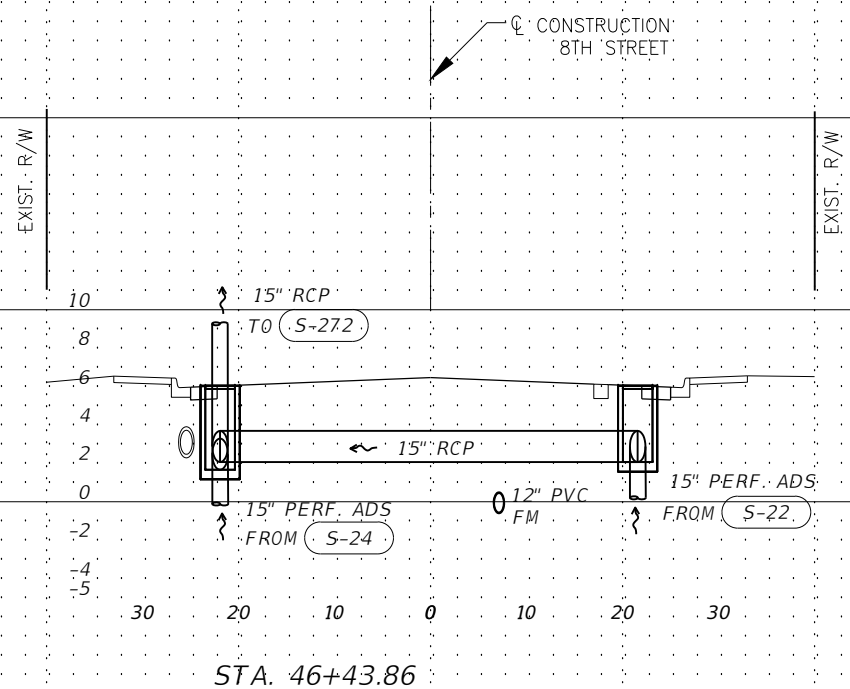
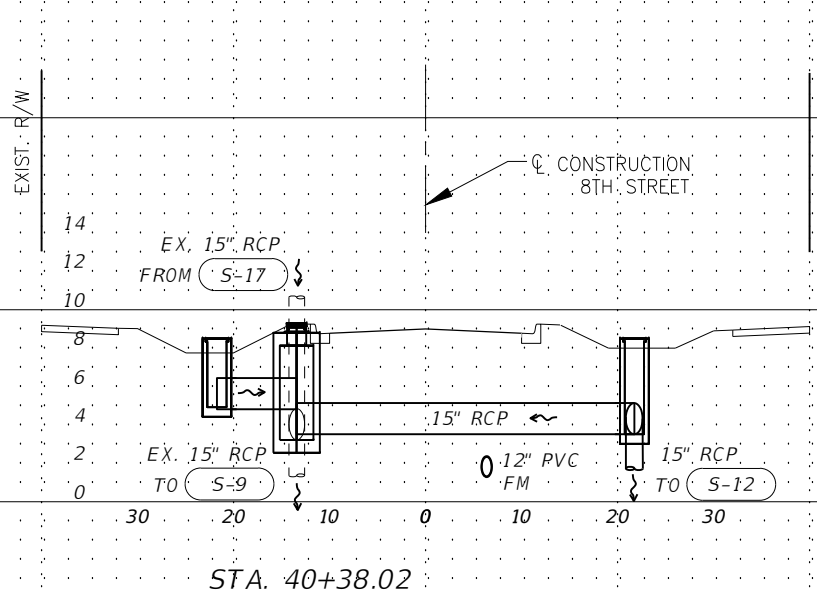
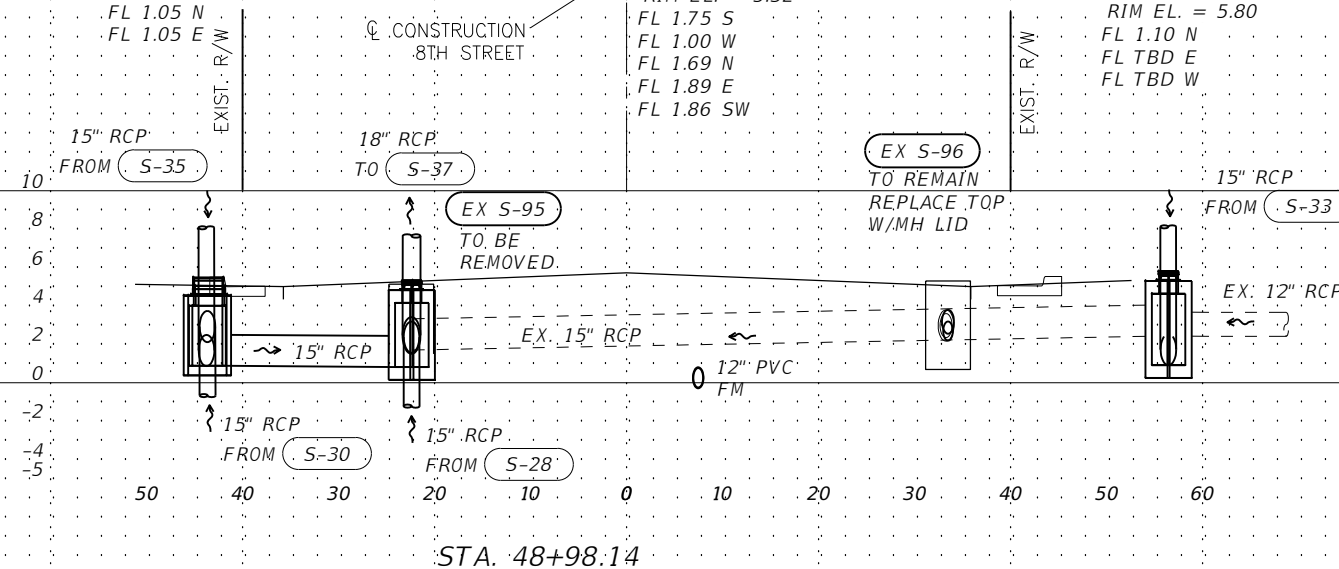
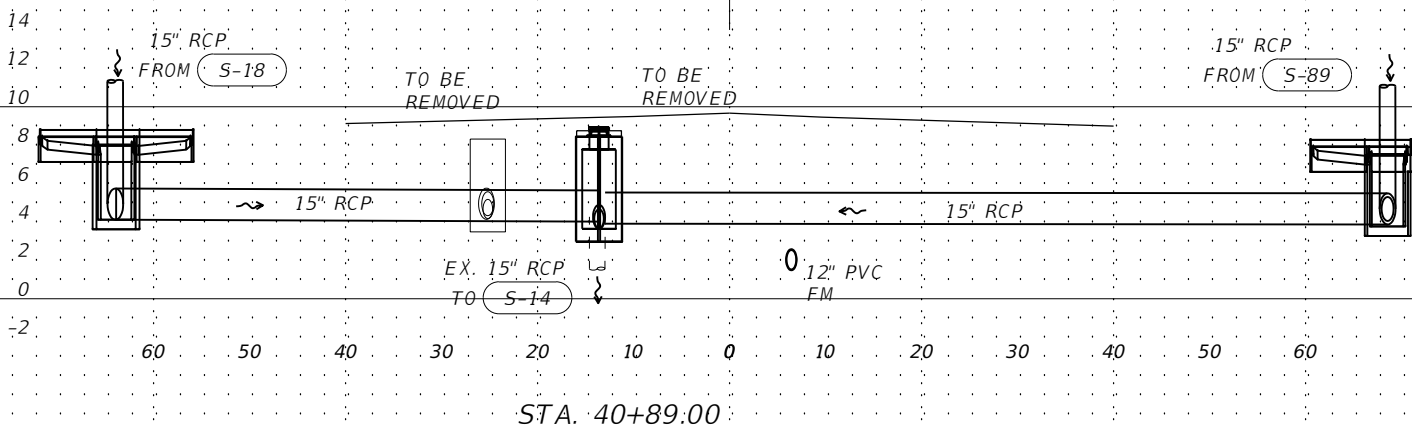
S-17
 STA 40+90.38 (-13.54 Lt.)
 CONST. Index No. 425-001,
 425-010 - Type 7 Manhole (1 or
 2-Piece Cover (Center), Round
 Bottom)
 RIM EL. = 9.45
 FL 3.90 E
 FL 4.20 W
 FL 3.64 S

S-90
 STA. 40+92.32 (60.47 Rt.)
 CONST. Index No. 425-021, 425-010,
 425-090 - Curb Inlet Type 6 with
 Rectangular Structure Bottom
 EOP EL. = 8.10
 FL 4.05 N
 FL 4.05 W

S-31
 STA 49+00.77 (-43.60 Lt.)
 CONST. Index No. 425-024, 425-090,
 425-010 - Curb Inlet Type 9 with
 Rectangular Bottom
 EOP EL. = 5.10
 FL 1.20 SW
 FL 1.05 N
 FL 1.05 E

S-29
 STA 49+00.57 (-22.25 Lt.)
 CONST. Index No. 425-001,
 425-010 - Type 7 Manhole (1 or
 2-Piece Cover (Center), Round
 Bottom)
 RIM EL. = 5.32
 FL 1.75 S
 FL 1.00 W
 FL 1.69 N
 FL 1.89 E
 FL 1.86 SW

S-32
 STA 48+93.77 (56.28 Rt.)
 CONST. Index No. 425-001,
 425-010 - Type 7 Manhole (1 or
 2-Piece Cover (Center), Round
 Bottom)
 RIM EL. = 5.80
 FL 1.10 N
 FL TBD E
 FL TBD W



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'



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

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

8TH STREET IMPROVEMENTS

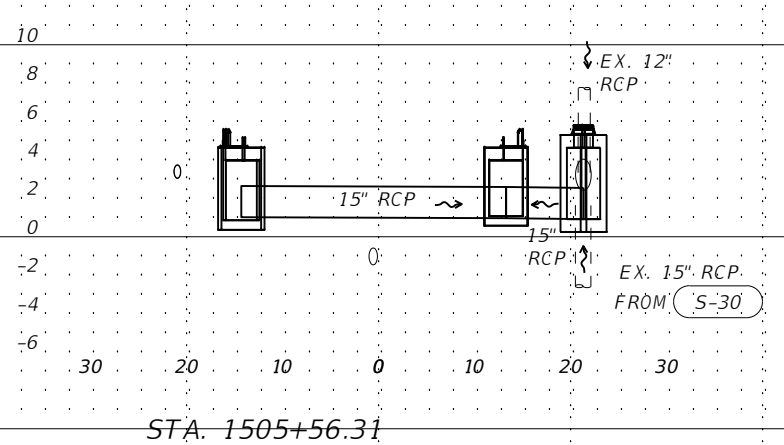
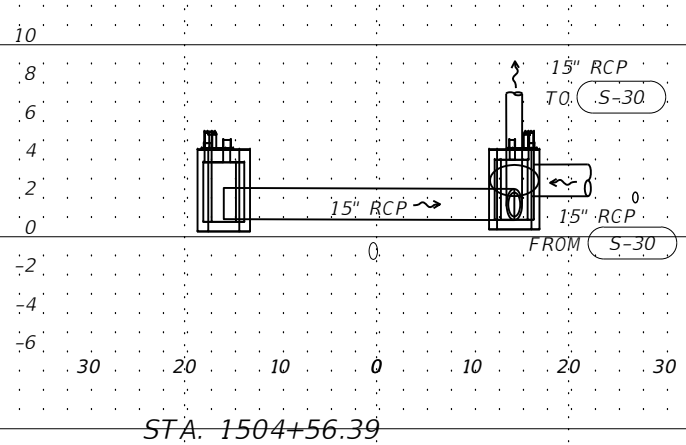
**DRAINAGE STRUCTURES - 2
 8TH STREET S**

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./RQB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 63 OF 96

C:\ENGINEERING\PROJ-ENG\007\01\DWG\SUBMITTYPE\90\8TH\8TH-DRN-SEC 12/17/2018 7:45 PM



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'



GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134
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

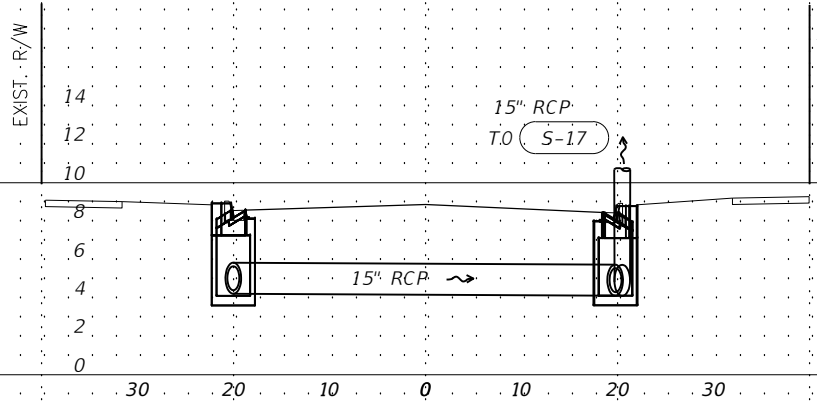
**DRAINAGE STRUCTURES - 3
1ST AVENUE S**

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

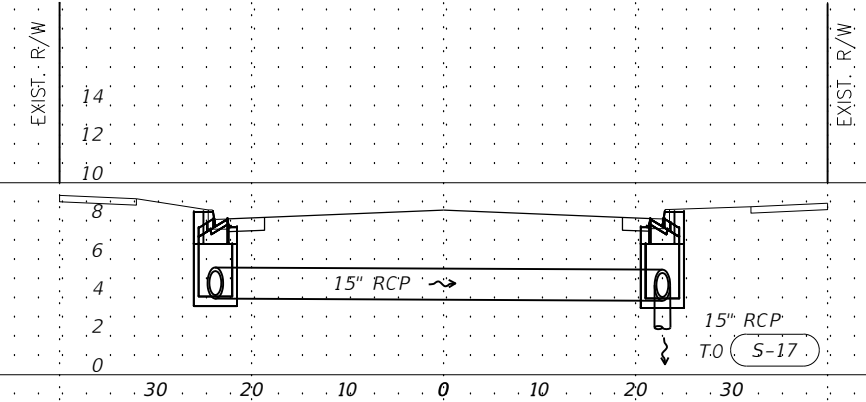
R. DANIEL FLYNN, P.E.
FLORIDA P.E. LICENSE NO. 76205

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 64 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GIDWGS\SUBMITTAL\TYPE 90% \CN007-DREN_SEC 12/17/2018 7:45 PM



STA: 190+28.68



STA: 191+45.74

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'	

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

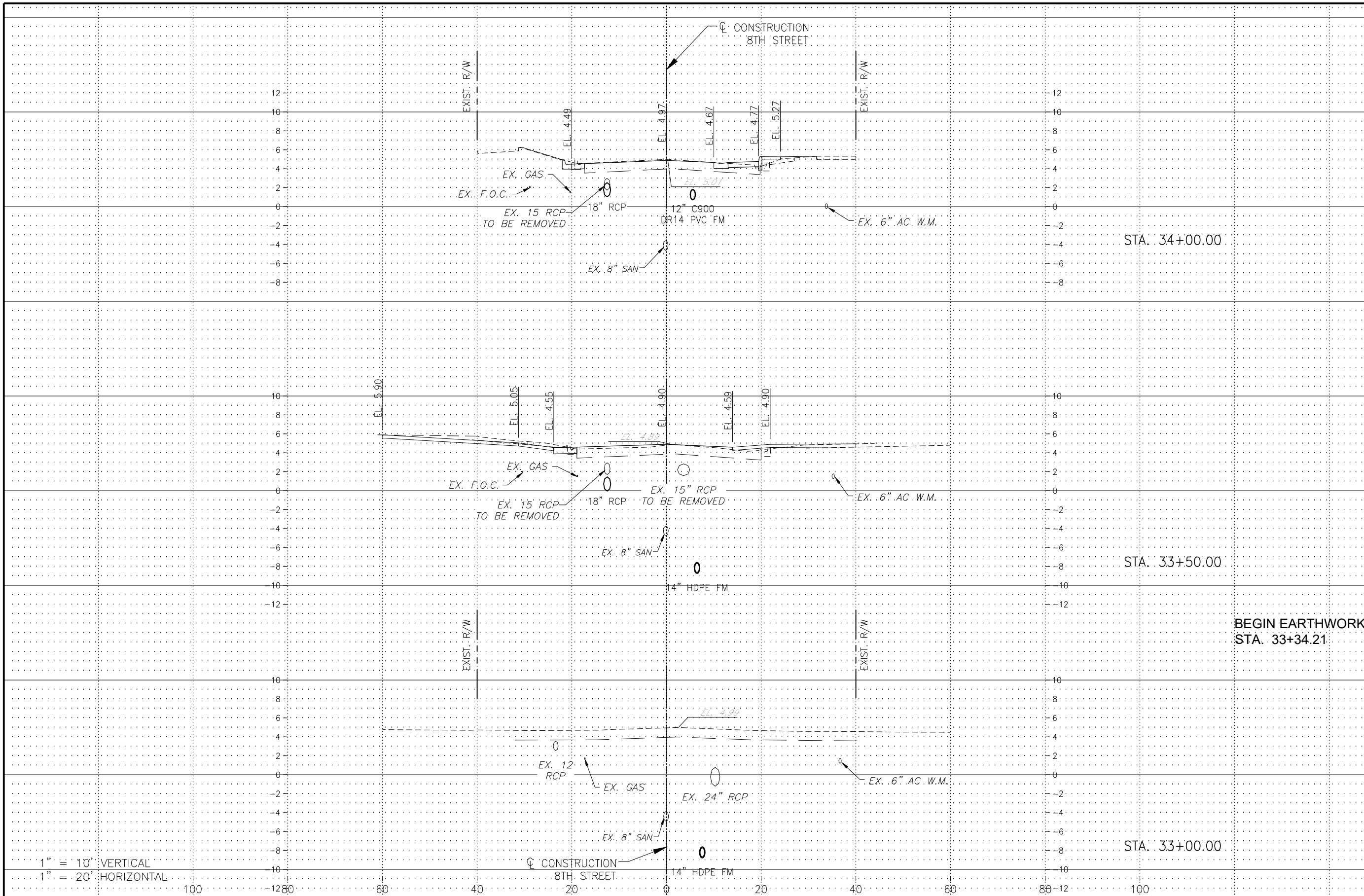
8TH STREET IMPROVEMENTS

DRAINAGE STRUCTURES - 4
3RD AVENUE S

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/RGB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
DESIGNED BY:	R. DANIEL FLYNN, P.E.
FLORIDA P.E. LICENSE NO.:	76205
SHEET 65 OF 96	

G:\ENGINEERING\PROJ-ENG\CN007\GIDWGS\SUBMITTAL\TYPE 90%\CN007-DREN-SEC 12/17/2018 7:45 PM



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

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

100

1280

60

40

20

0

20

40

60

80

100

1280

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'



Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
Bonita Springs: 239.947.1144 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

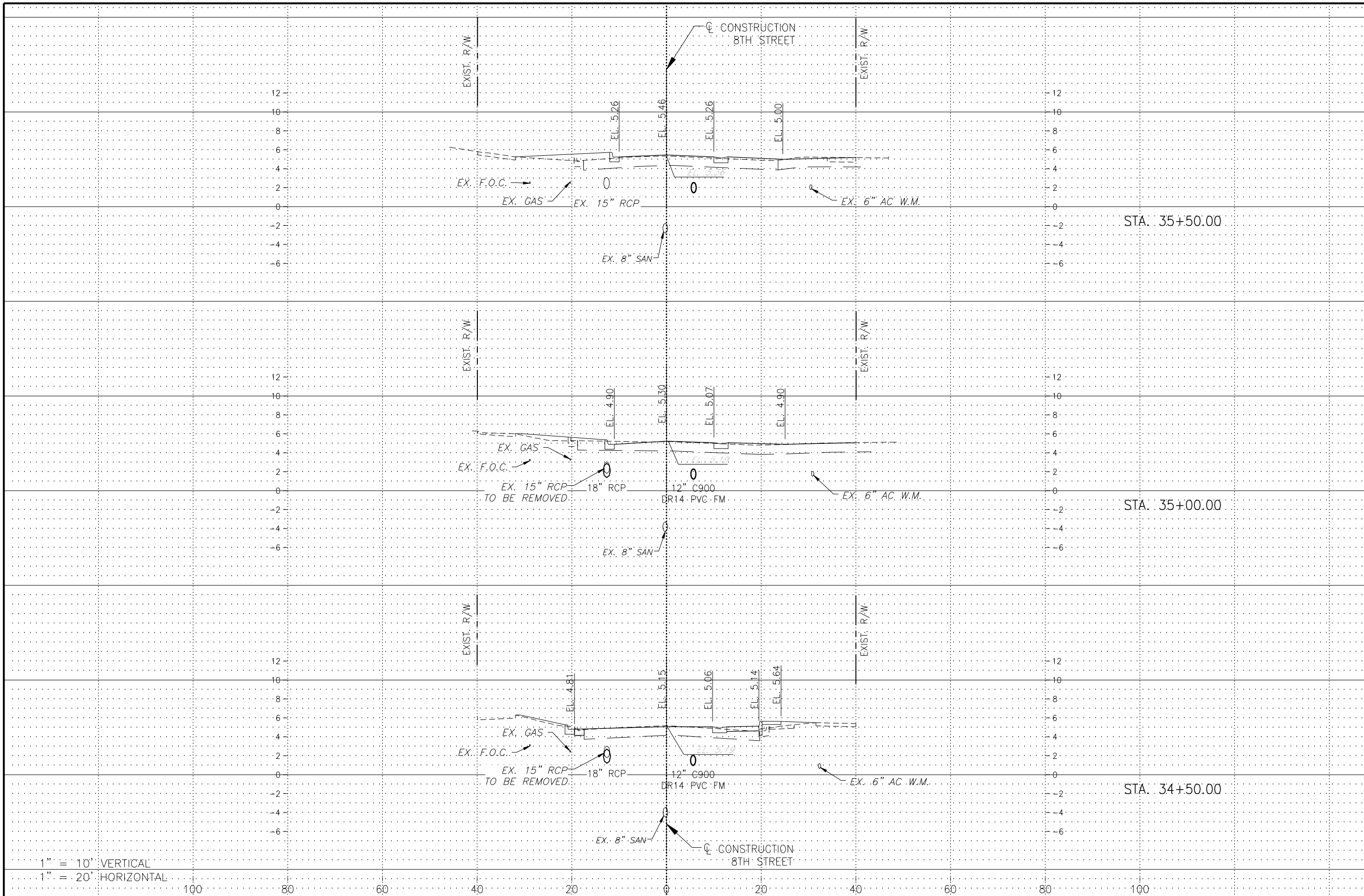
**CROSS SECTIONS - 1
8TH STREET**

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/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 66 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 7:57 PM



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

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'



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

8TH STREET IMPROVEMENTS

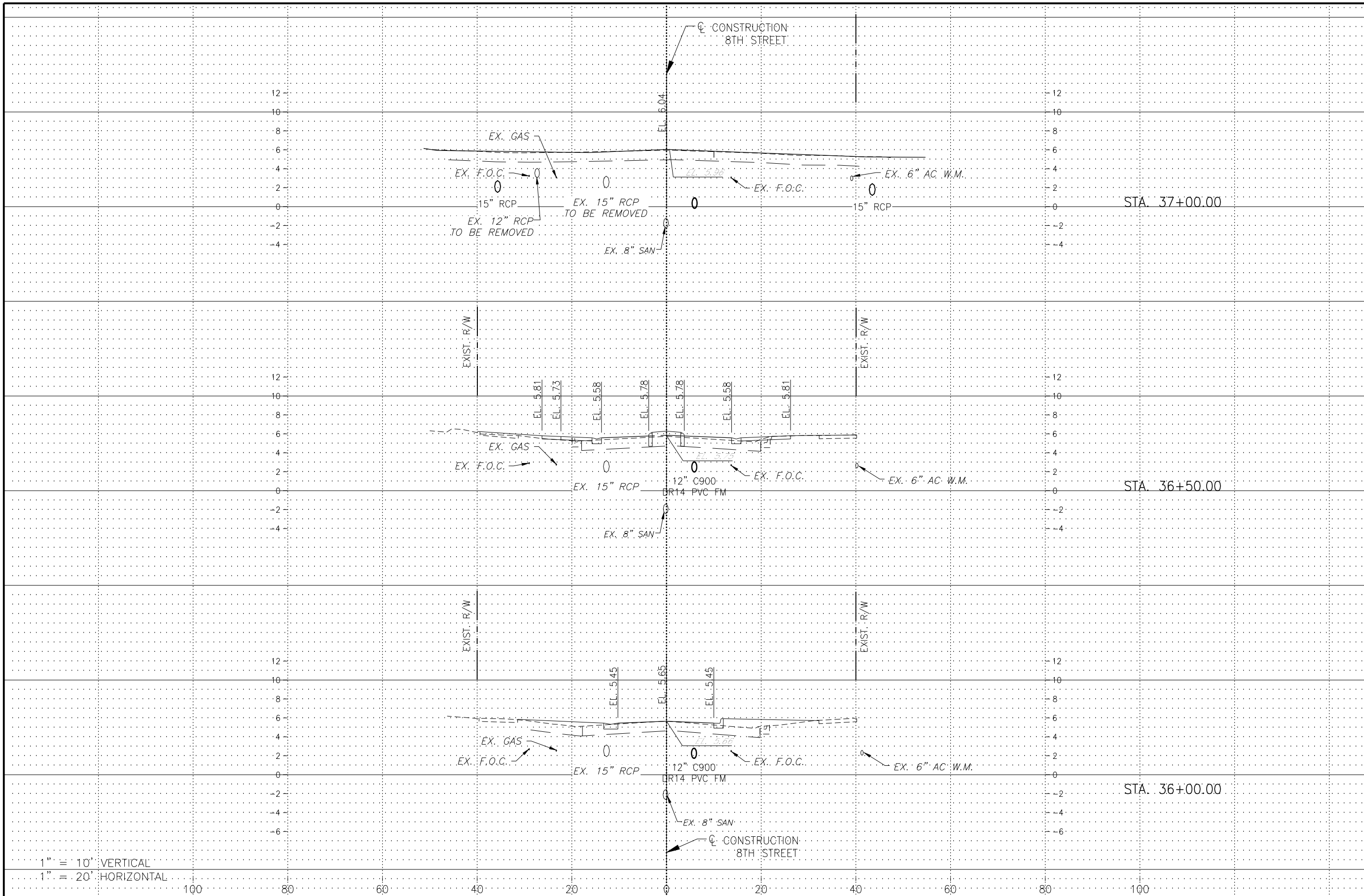
**CROSS SECTIONS - 2
 8TH STREET**

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 67 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 7:57 PM



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

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'



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

8TH STREET IMPROVEMENTS

**CROSS SECTIONS - 3
8TH STREET**

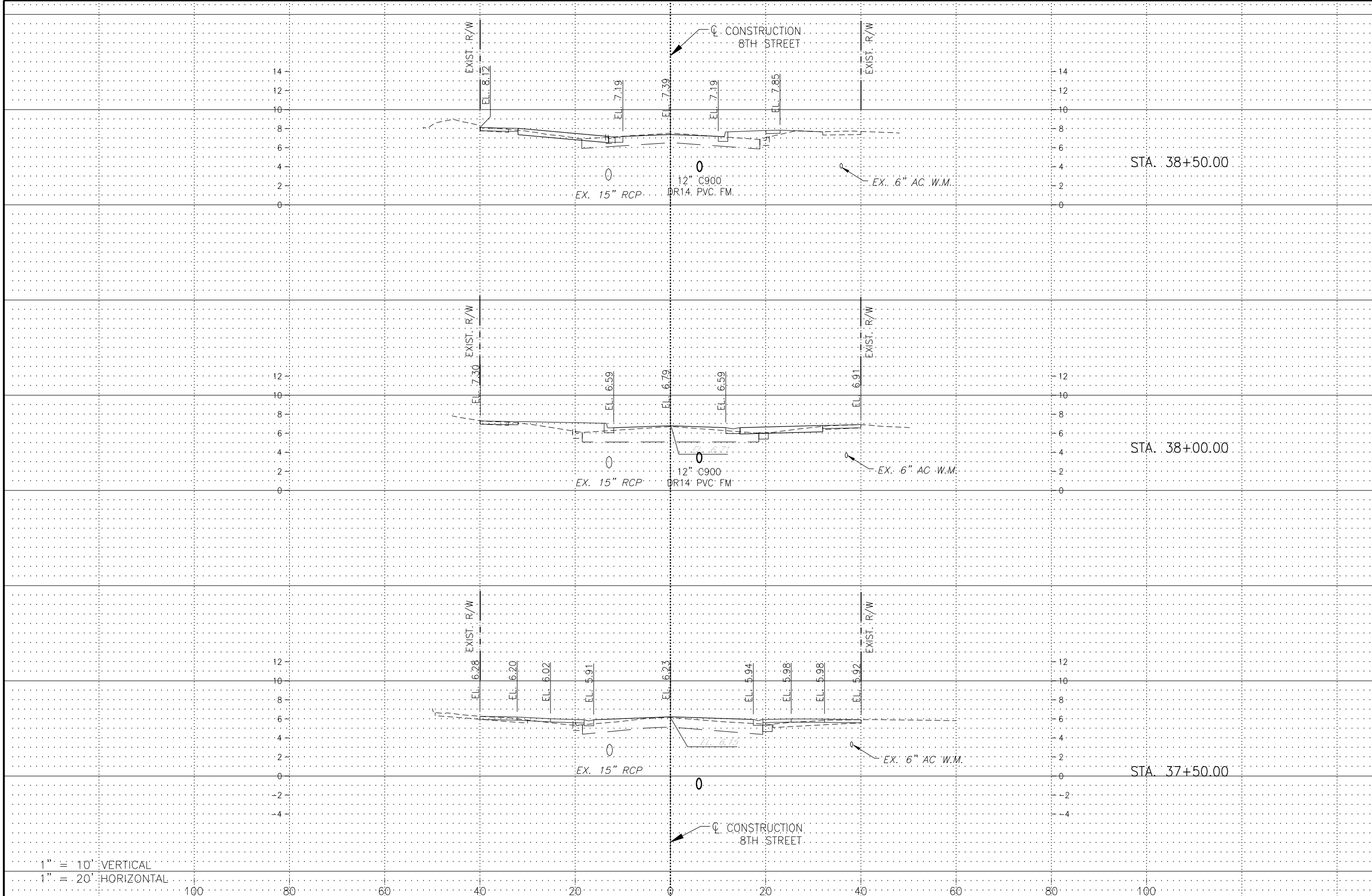
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

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

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 68 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% \CN007-SEC 12/17/2018 7:57 PM

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



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'	

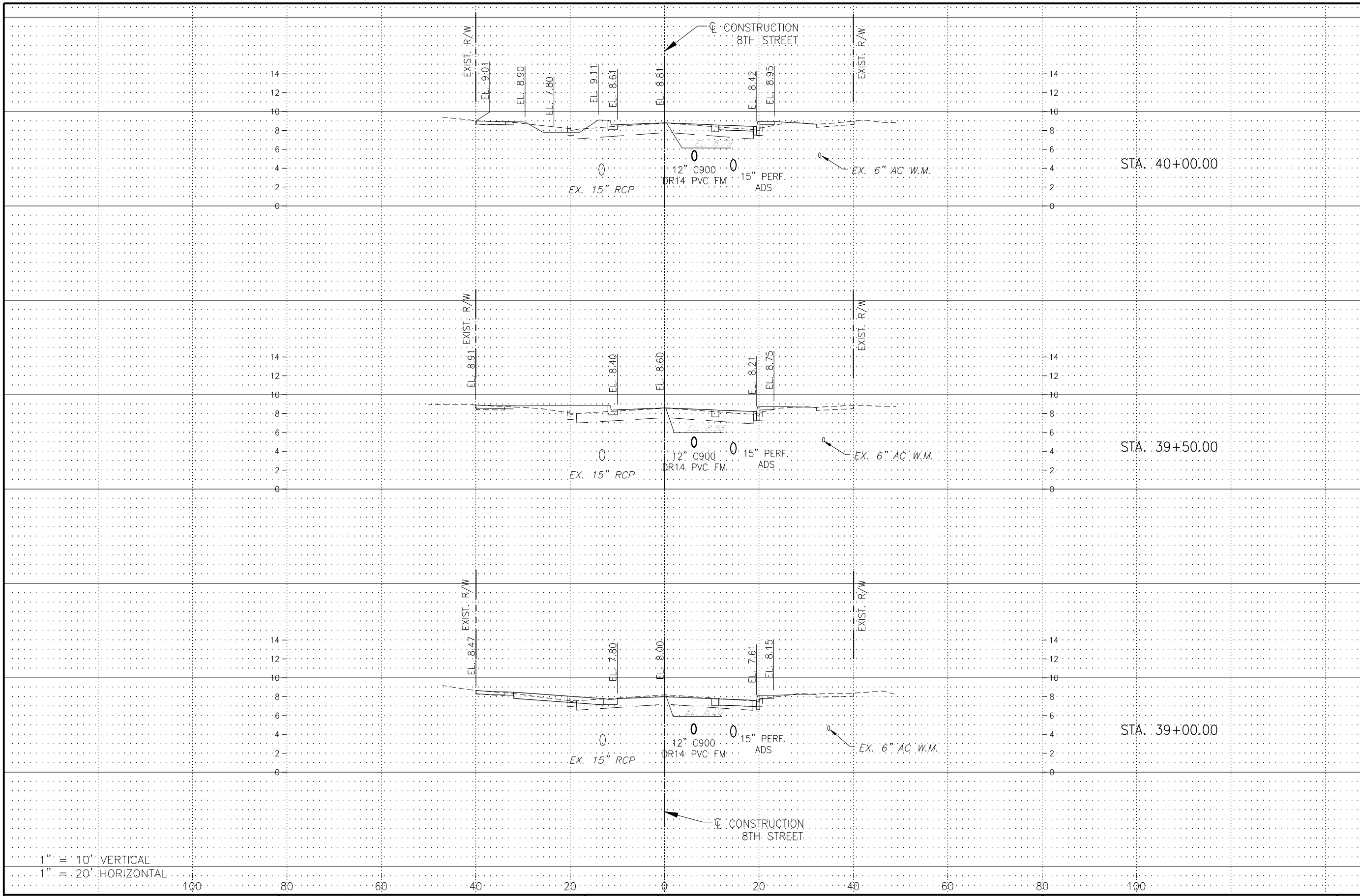
GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Business LG 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: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

8TH STREET IMPROVEMENTS
 CROSS SECTIONS - 4
 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

MUNICIPALITY:
 CITY OF NAPLES
 SEC./TWN./RGE:
 34/49S & 3/50S/25E
 DATE:
 DECEMBER, 2018
 SUBMITTAL TYPE:
 100% PLANS
 SHEET 69 OF 96

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

G:\ENGINEERING\PROJ-ENG\CN007\G1DWG5\SUBMITTYPE\90%CN007-SEC 12/17/2018 7:58 PM



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

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'



Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 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

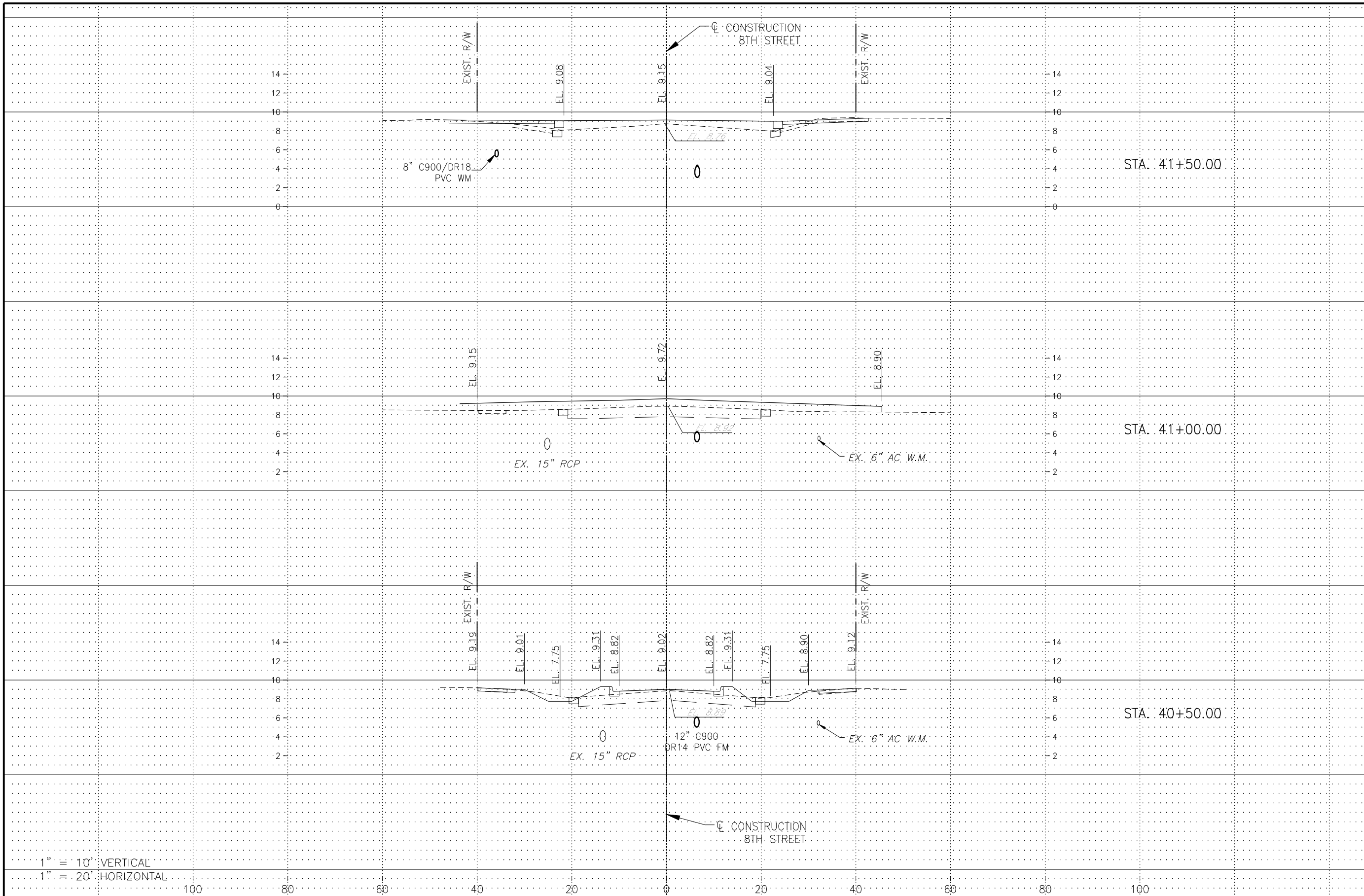
**CROSS SECTIONS - 5
 8TH STREET**

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 70 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 7:58 PM



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

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'



GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 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

**CROSS SECTIONS - 6
 8TH STREET**

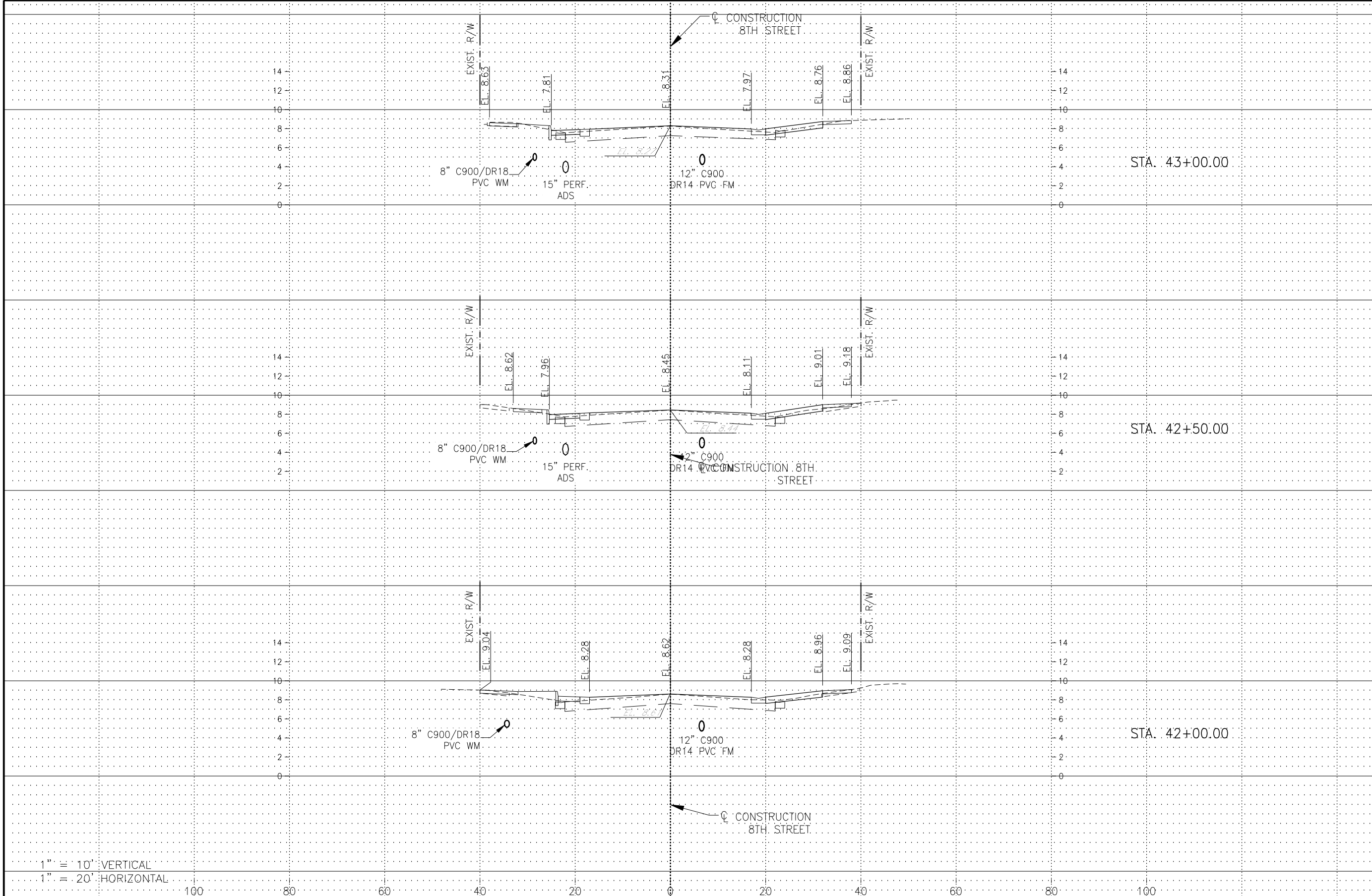
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

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 71 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\G1DWG5\SUBMITTYPE\90%CN007-SEC 12/17/2018 7:58 PM

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



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'	

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 - 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

MUNICIPALITY:
 CITY OF NAPLES

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

DATE:
 DECEMBER, 2018

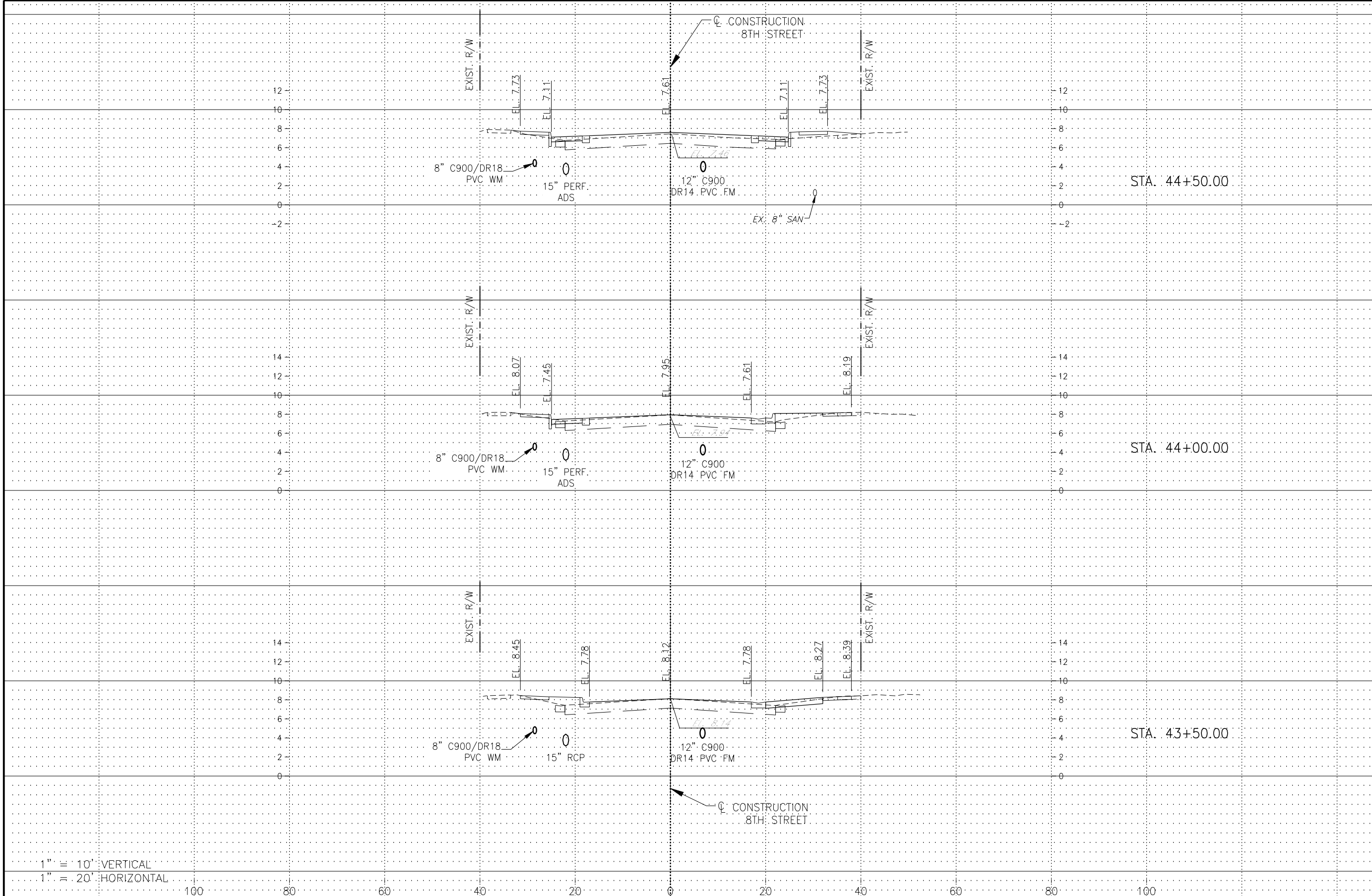
SUBMITTAL TYPE:
 100% PLANS

SHEET 72 OF 96

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

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% \CN007-SEC 12/17/2018 7:59 PM

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



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'

GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

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

8TH STREET IMPROVEMENTS

CROSS SECTIONS - 7
 8TH STREET

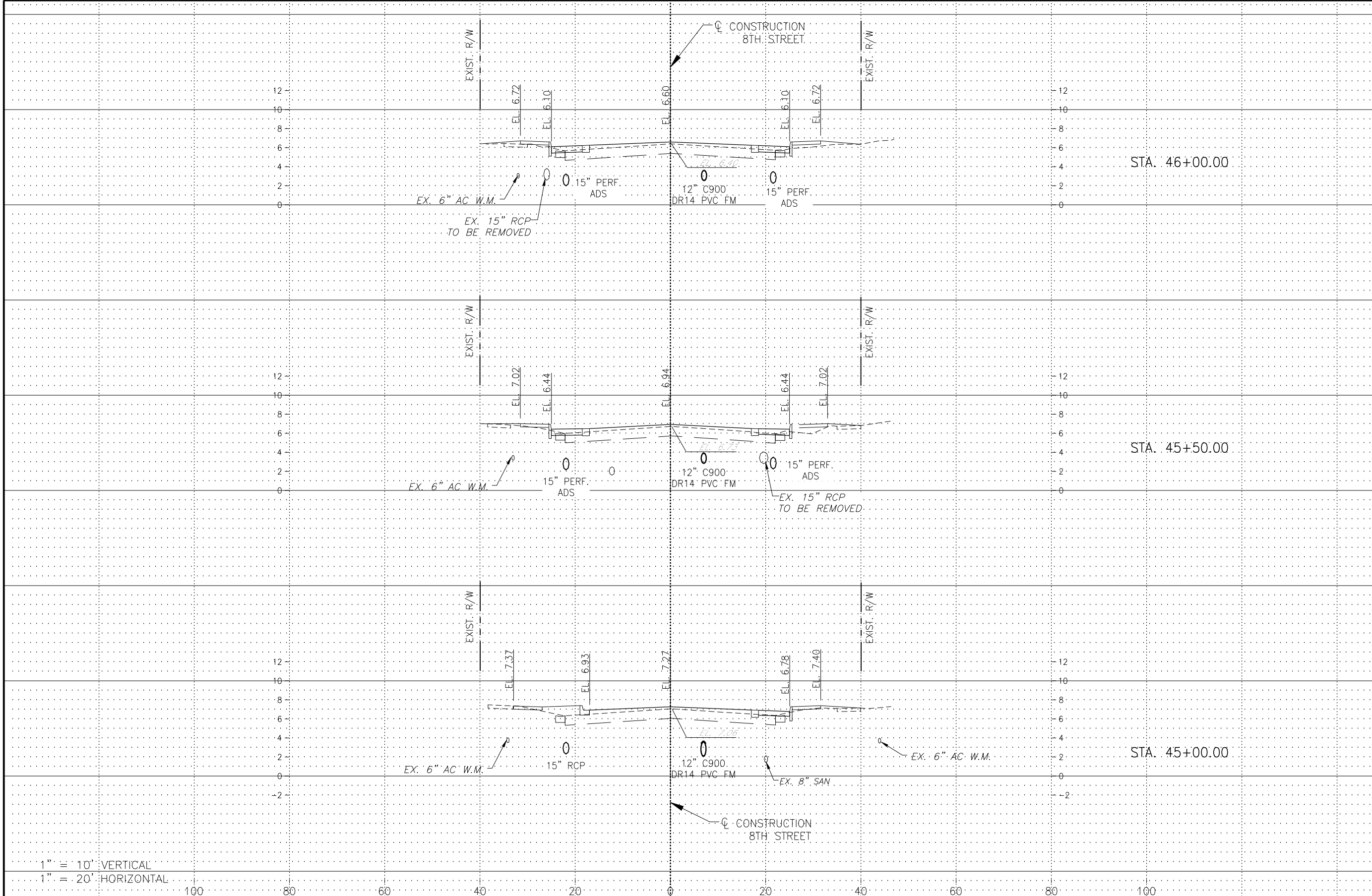
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 73 OF 96

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

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\100%CN007-SEC 12/17/2018 7:59 PM

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



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'	

GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

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

8TH STREET IMPROVEMENTS

CROSS SECTIONS - 8
 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

MUNICIPALITY:
 CITY OF NAPLES

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

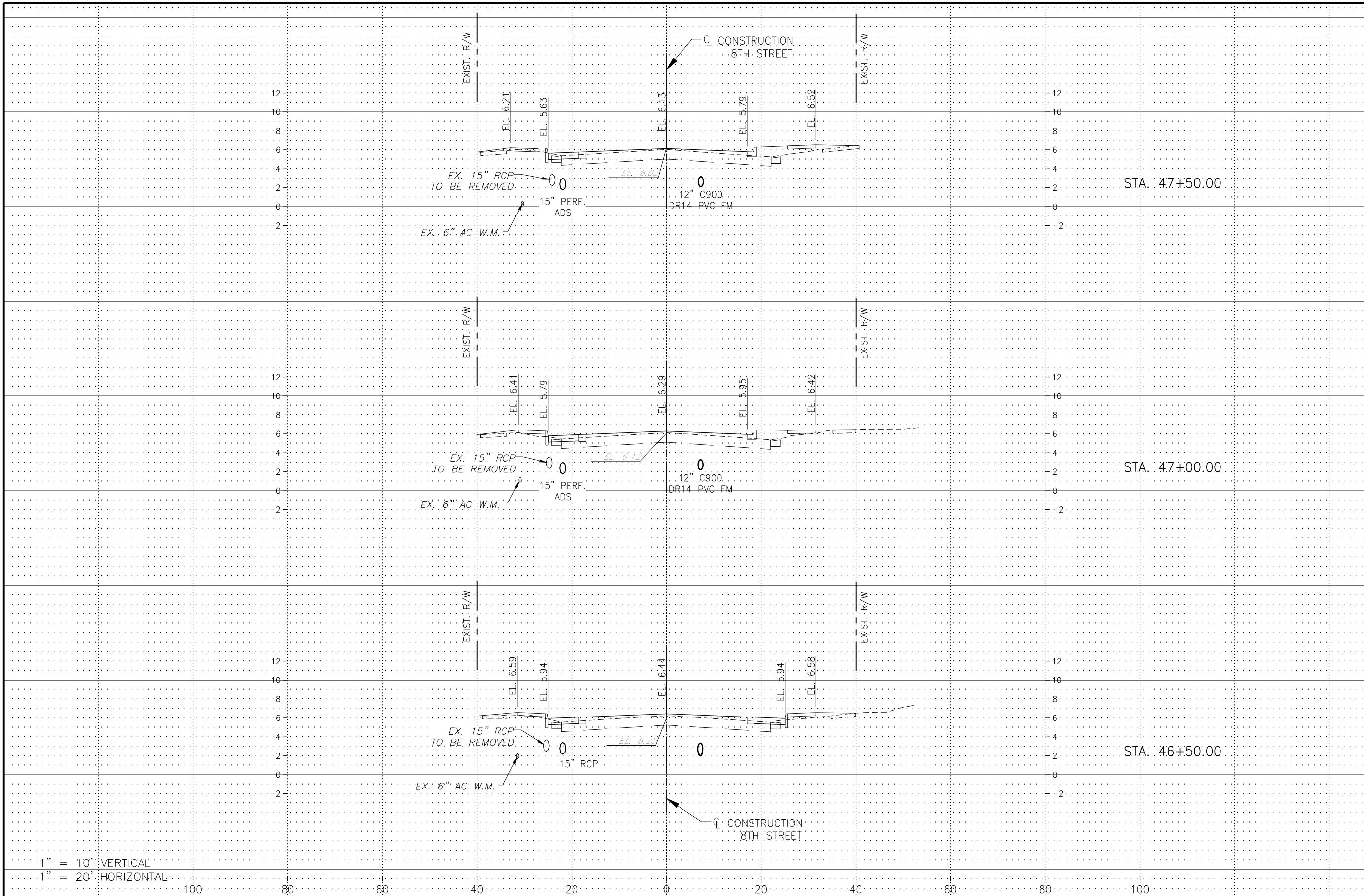
DATE:
 DECEMBER, 2018

SUBMITTAL TYPE:
 100% PLANS

SHEET 74 OF 96

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

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 7:59 PM



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

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'



GradyMinor
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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 - 9
 8TH STREET**

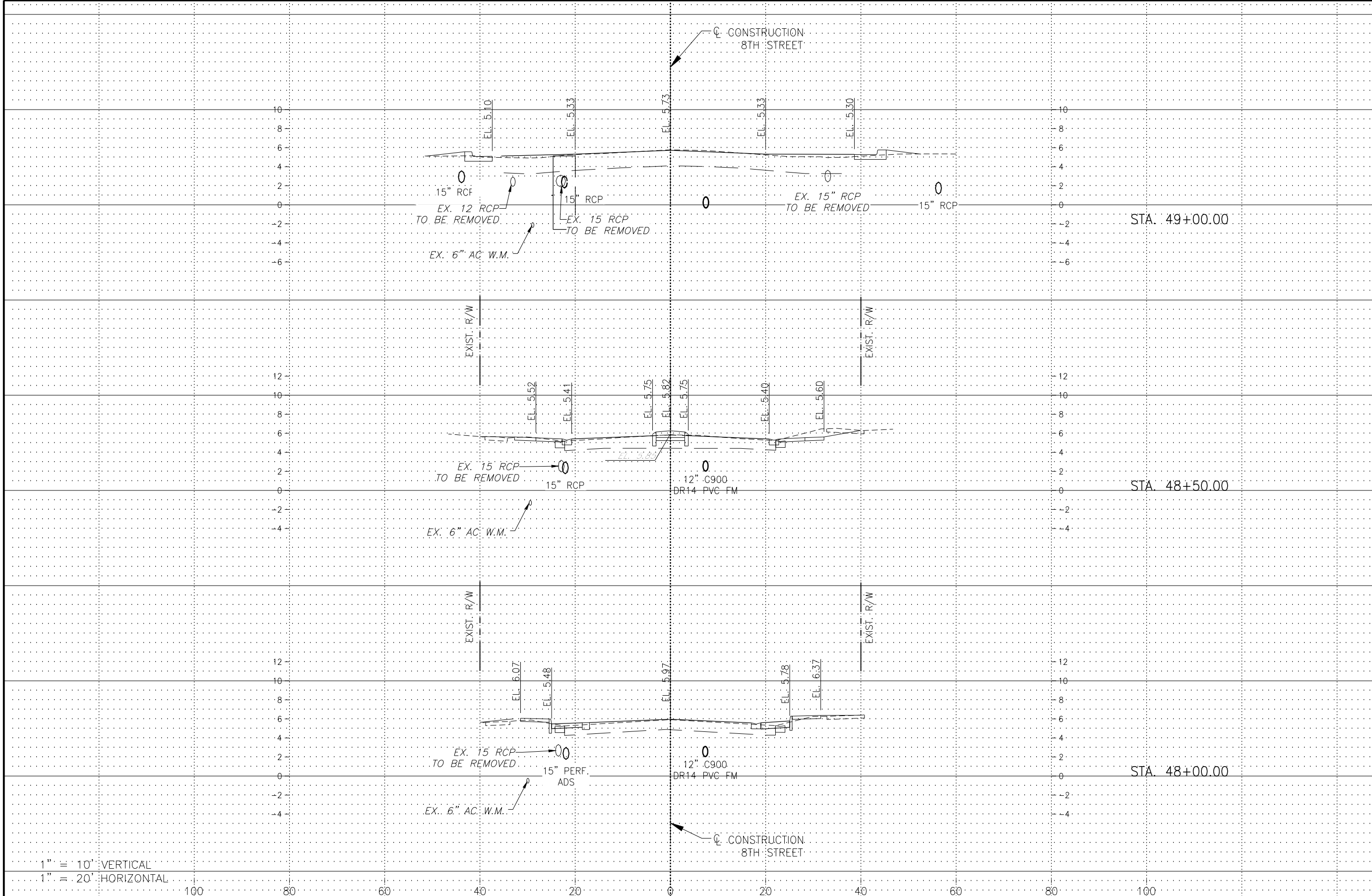
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

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 75 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 8:00 PM

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



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'



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 - 10
 8TH STREET**

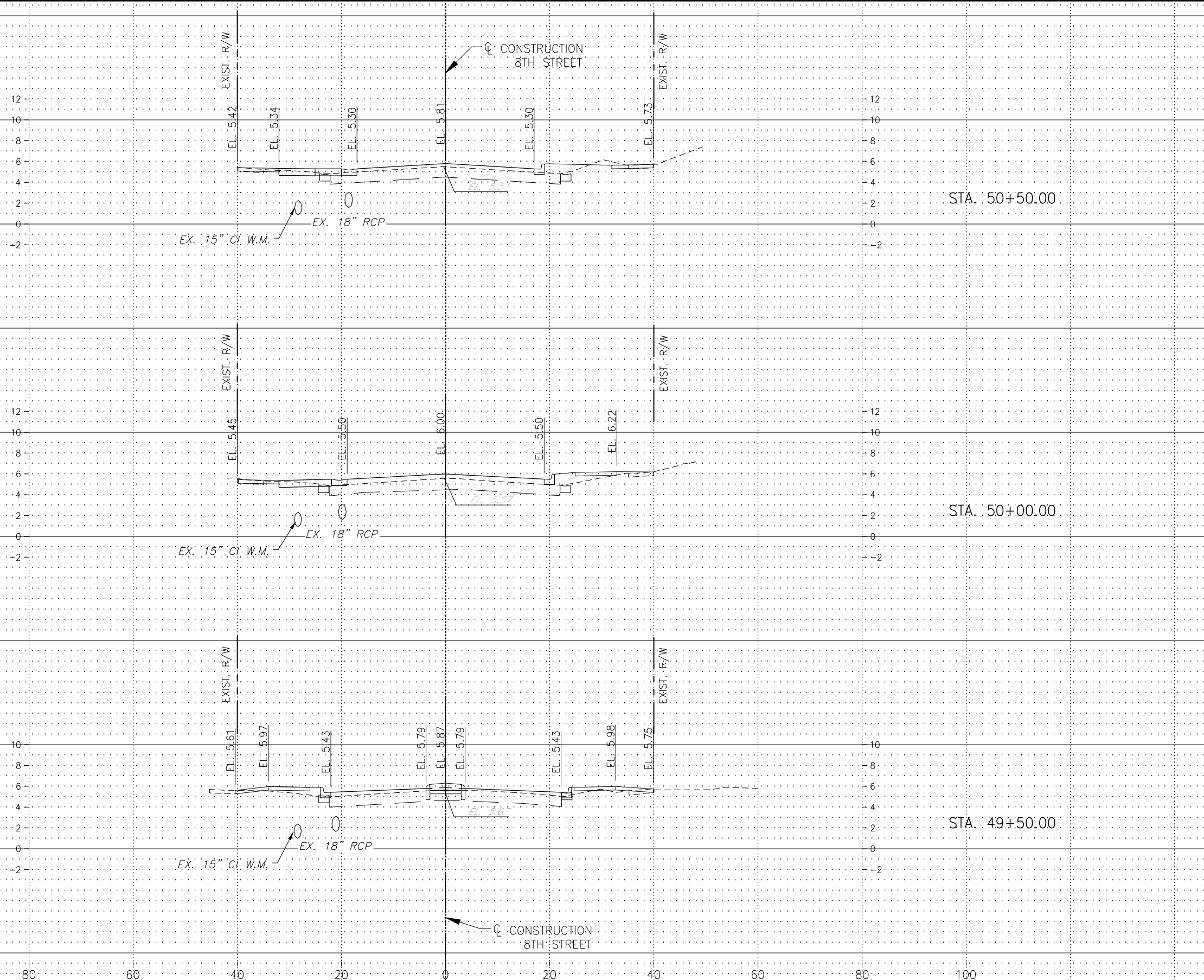
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

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

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 76 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 8:00 PM

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



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'

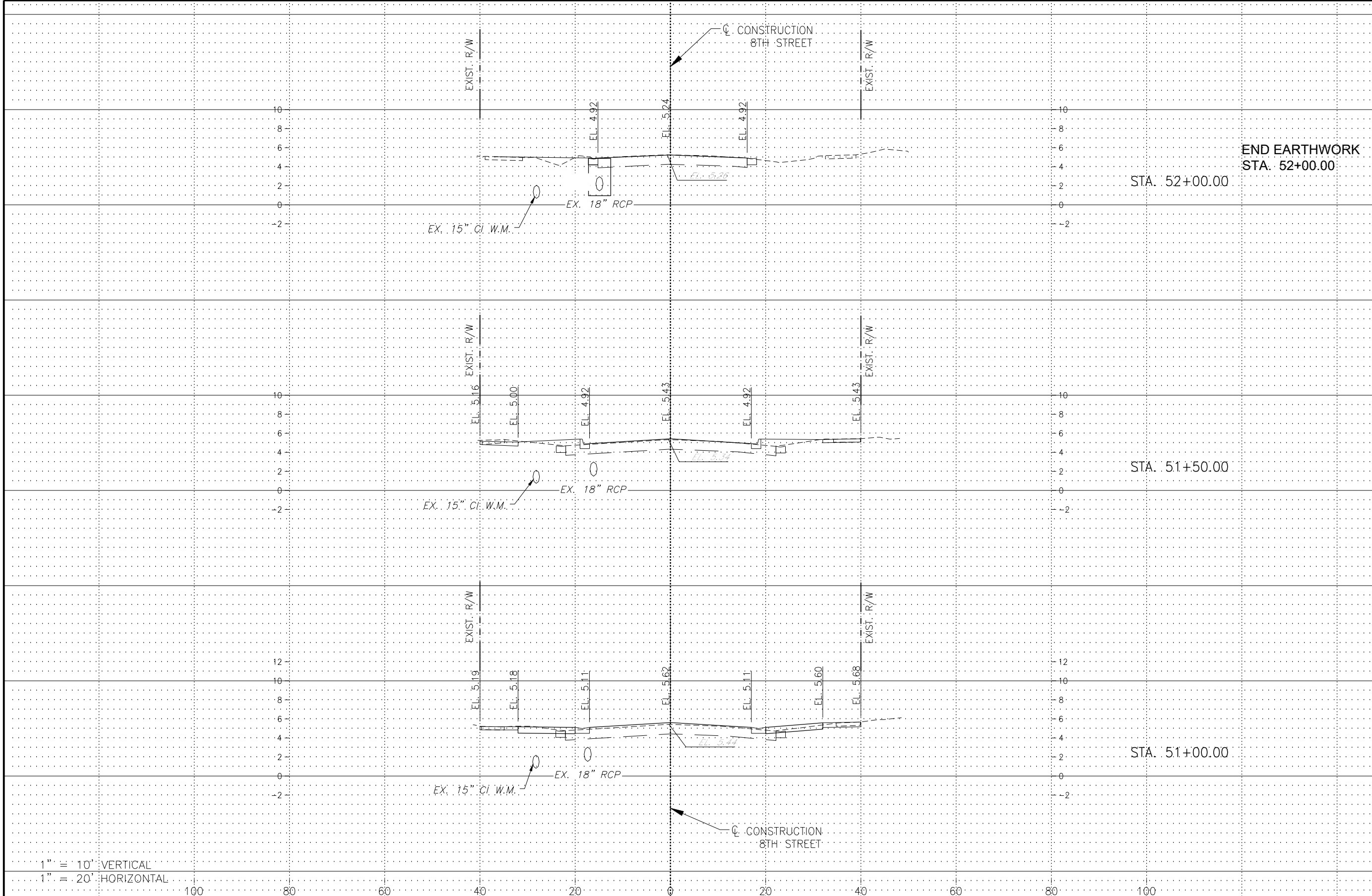
GradyMinor
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LG 26000266
 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

8TH STREET IMPROVEMENTS
 CROSS SECTIONS - 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

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/ROB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 77 OF 96
 R. DANIEL FLYNN, P.E.
 FLORIDA P.E. LICENSE NO. 76205

G:\ENGINEERING\PROJ-ENG\CN007\G1DWG5\SUBMITTYPE\90%\CN007-SEC 12/17/2018 8:00 PM

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



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'	

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

CROSS SECTIONS - 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

MUNICIPALITY:
 CITY OF NAPLES

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

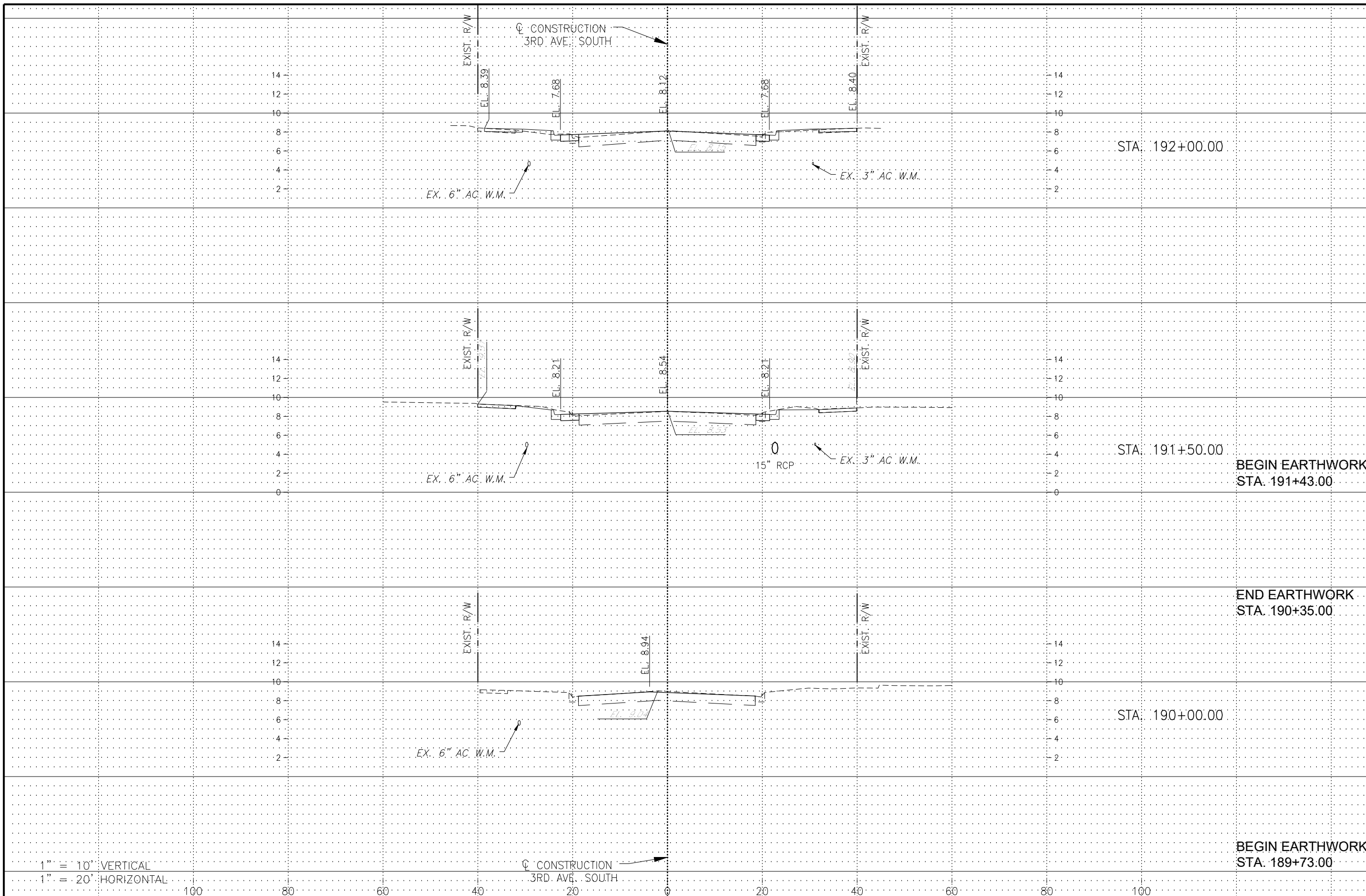
DATE:
 DECEMBER, 2018

SUBMITTAL TYPE:
 100% PLANS

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

SHEET 78 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 8:01 PM



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



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 - 1
3RD AVE. SOUTH

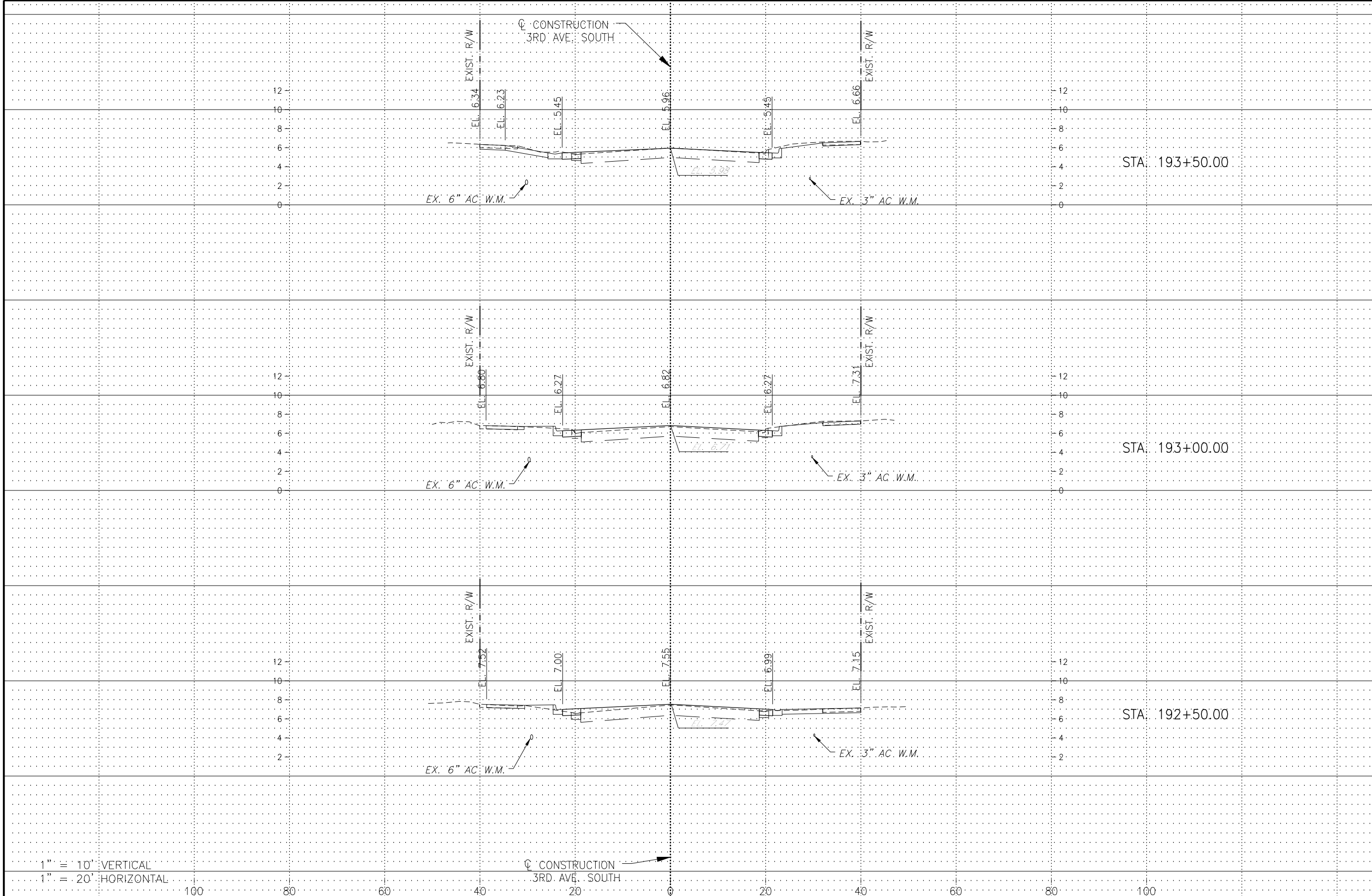
ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

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

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGB: 34/49S & 3/50S/25E
DATE: 100%
SUBMITTAL TYPE: 100% PLANS
SHEET 79 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 8:01 PM

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



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

CONSTRUCTION
 3RD AVE. SOUTH

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'

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

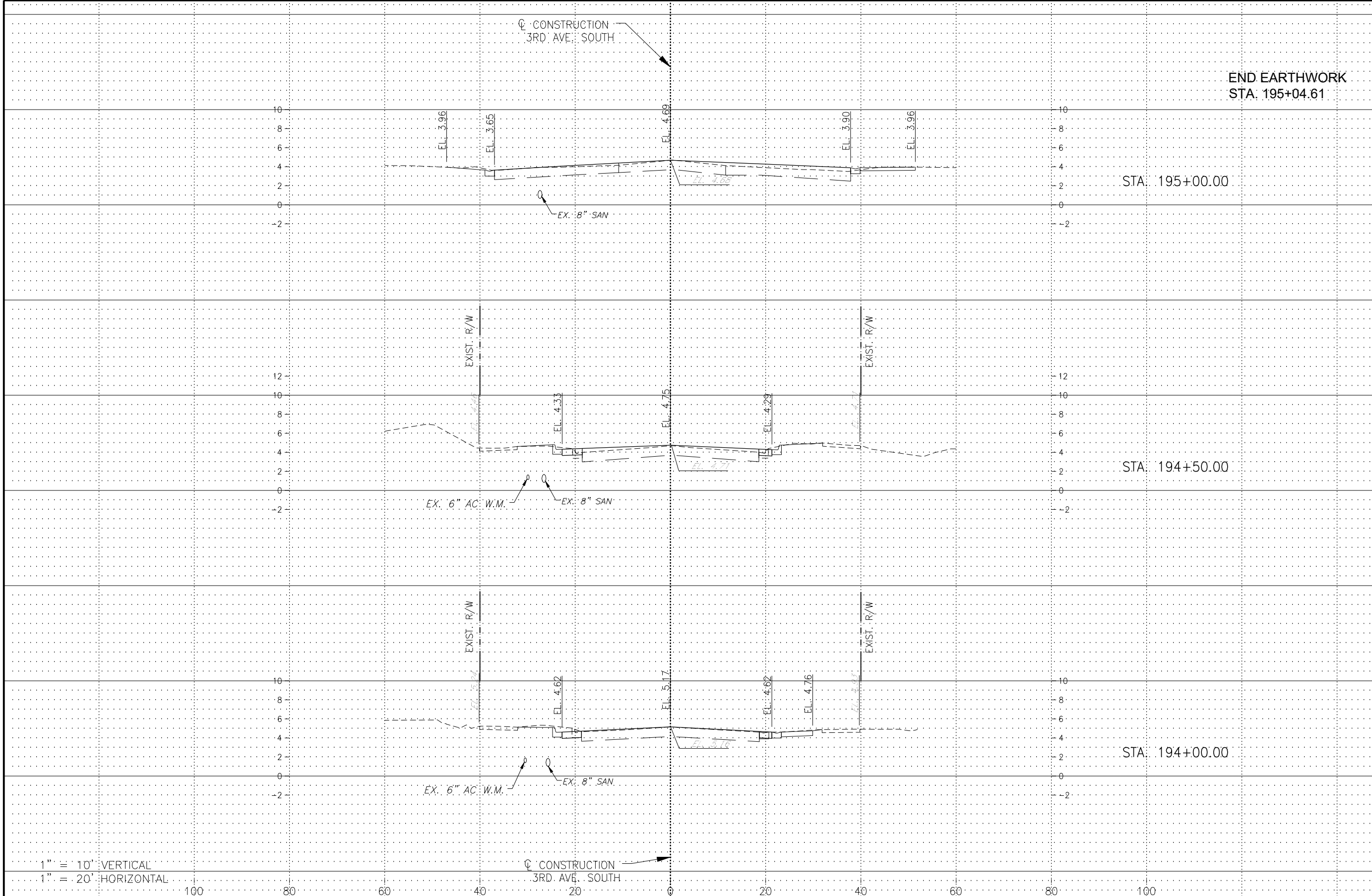
8TH STREET IMPROVEMENTS
 CROSS SECTIONS - 2
 3RD AVE. SOUTH
 ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88)
 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29) IS (+)1.270

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

MUNICIPALITY: CITY OF NAPLES
 SEC/TWN/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 80 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\GIDWGS\SUBMITTYPE\90%CN007-SEC 12/17/2018 8:01 PM

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



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

CONSTRUCTION
3RD AVE. SOUTH

END EARTHWORK
STA. 195+04.61

STA. 195+00.00

STA. 194+50.00

STA. 194+00.00

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.
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

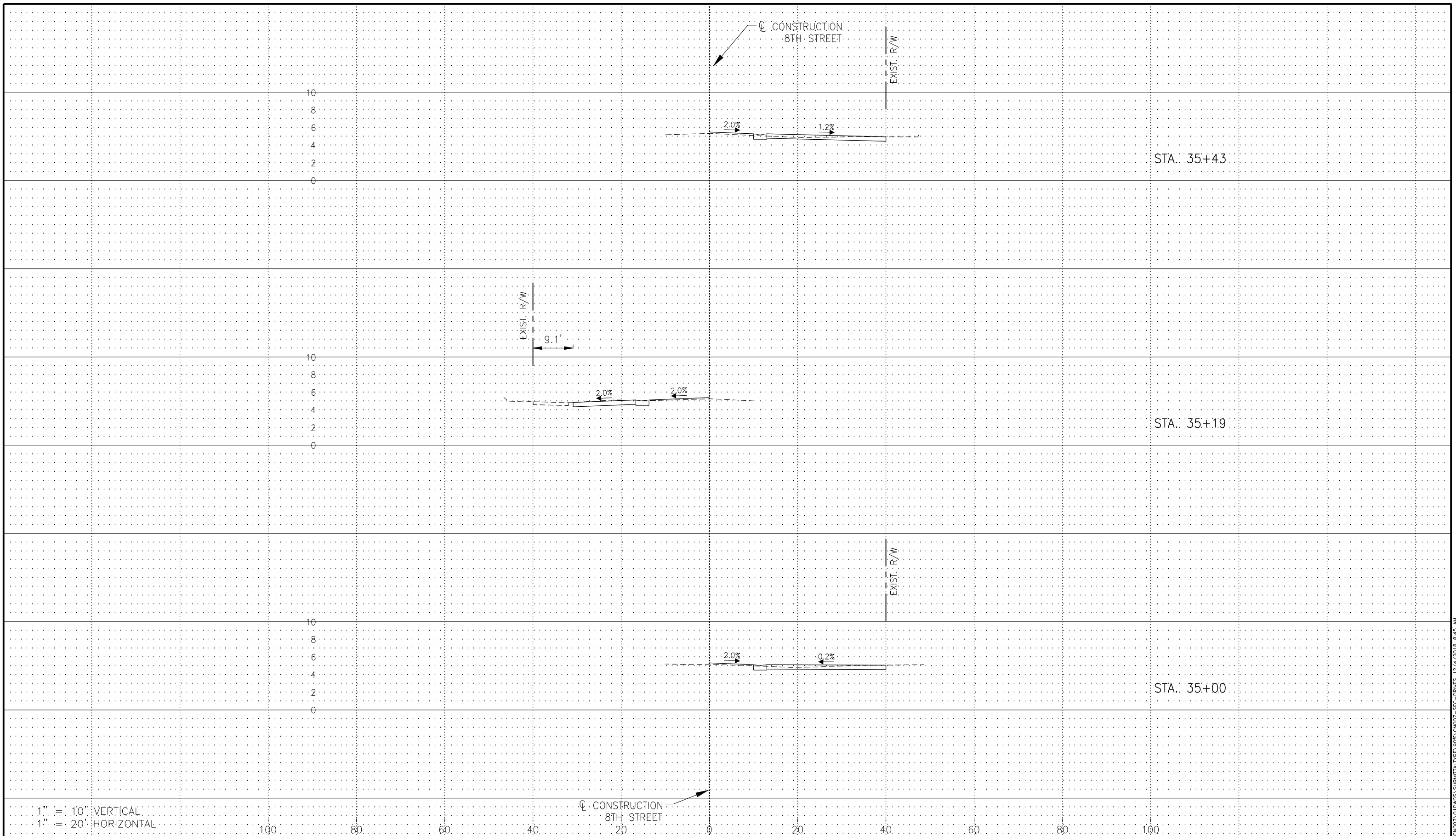
CROSS SECTIONS - 3
3RD AVE. SOUTH

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

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

MUNICIPALITY: CITY OF NAPLES
SEC/TWN/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 81 OF 96

G:\ENGINEERING\PROJ-ENG\CN007\G1DWG5\SUBMITTYPE\90%CN007-SEC 12/17/2018 8:02 PM



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'



GradyMinor
 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

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

8TH STREET IMPROVEMENTS

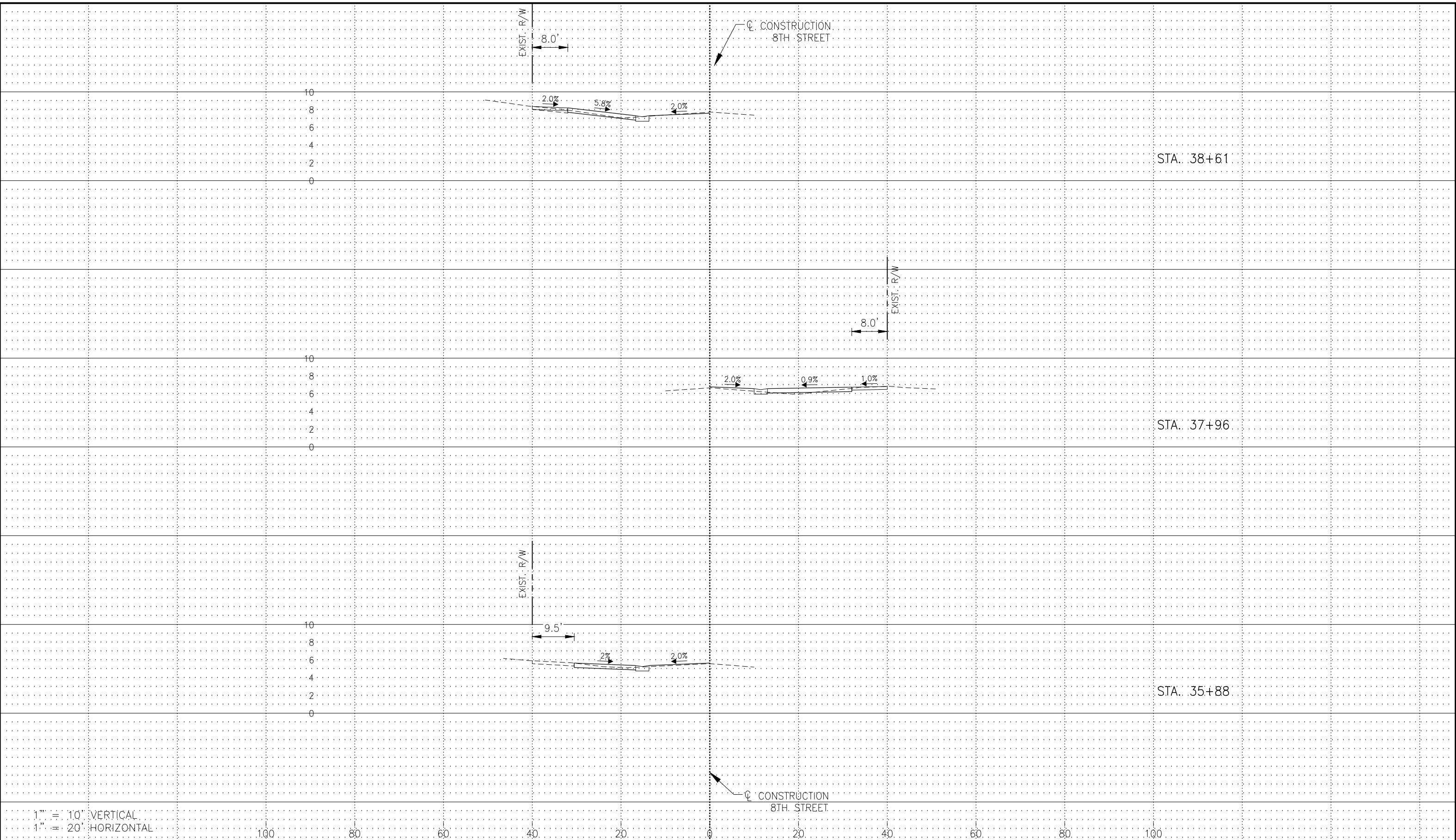
**DRIVEWAY SECTIONS - 1
 8TH STREET**

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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 56 OF 70

G:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% \CN007-SEC-DRIVES 12/14/2018 8:45 AM



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'	



GradyMinor

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

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

8TH STREET IMPROVEMENTS

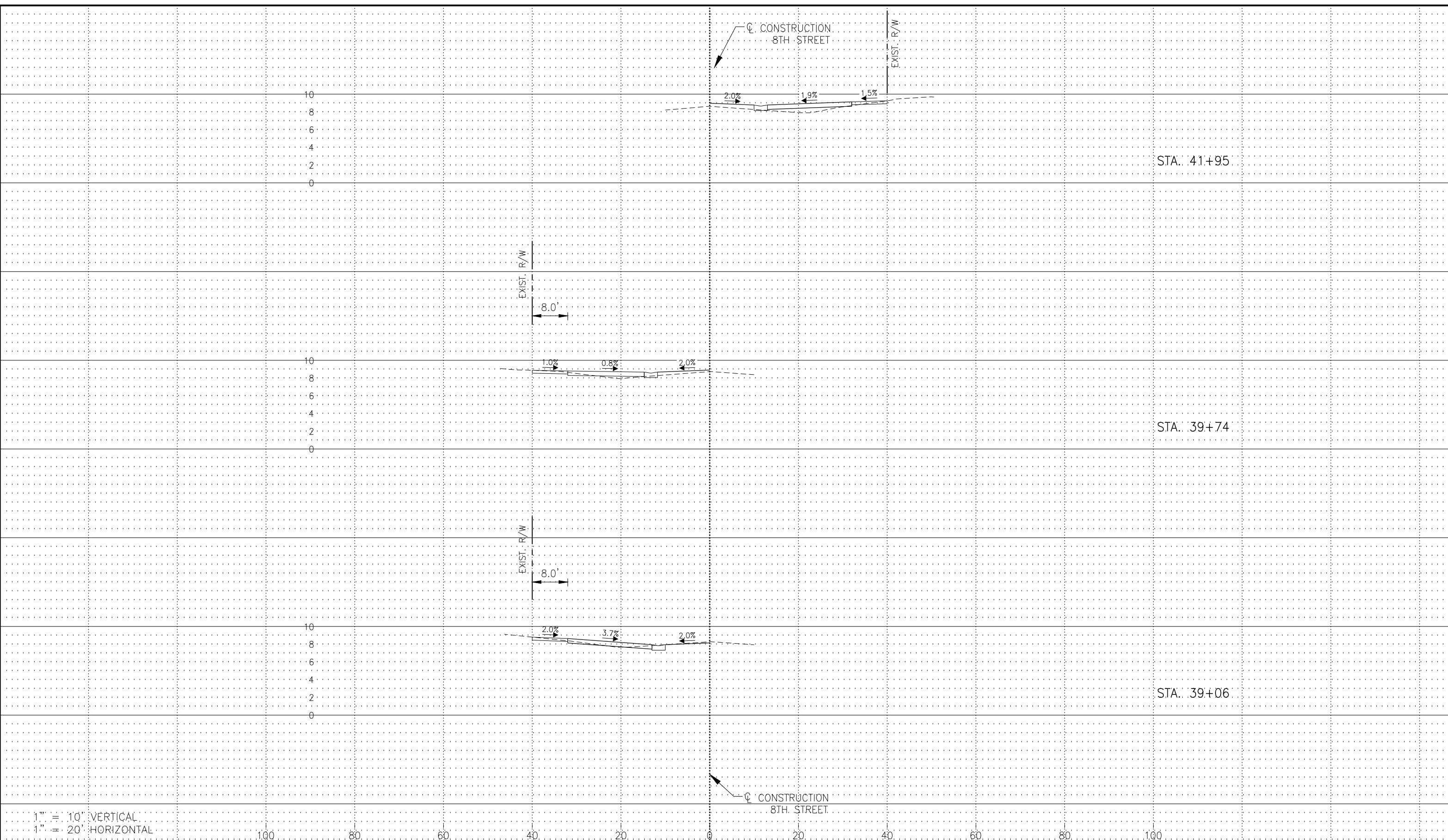
**DRIVEWAY SECTIONS - 2
 8TH STREET**

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/RGB:	34/49S & 3/50S/25E
DATE:	DECEMBER, 2018
SUBMITTAL TYPE:	100% PLANS
SHEET	57 OF 70

G:\ENGINEERING\PROJ-ENG\CN007\01\DWG\SUBMITTAL\100% PLAN\100% PLAN-SEC-DRIVES 12/14/2018 8:46 AM



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

100

80

60

40

20

0

20

40

60

80

100

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'



Civil Engineers • Land Surveyors • Planners • Landscape Architects
 Q. Grady Minor and Associates, P.A.
 3800 Via Del Rey
 Bonita Springs, Florida 34134
 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

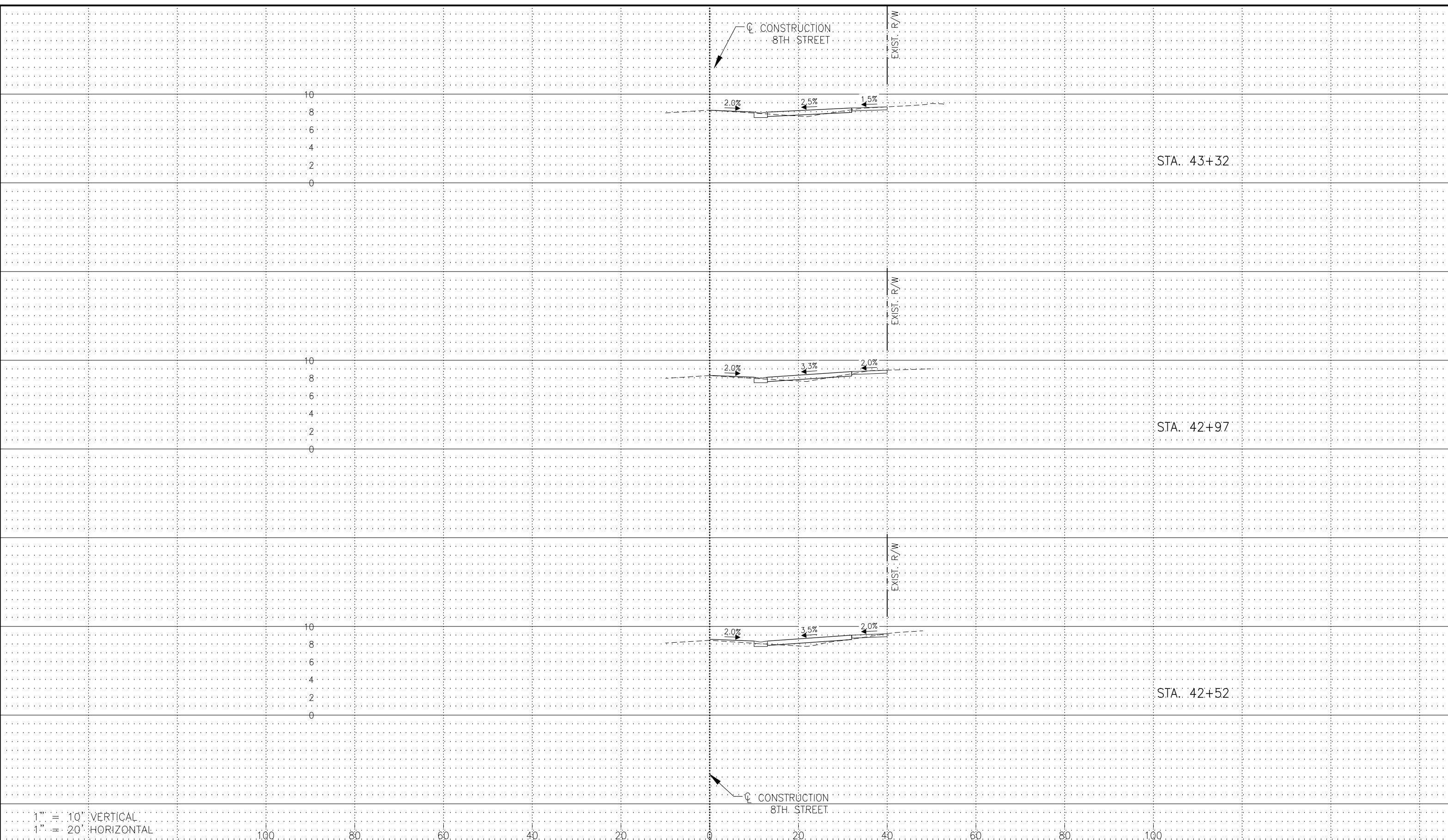
**DRIVEWAY SECTIONS - 3
 8TH STREET**

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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 58 OF 70

G:\ENGINEERING\PROJ-ENG\CN007\GDWGS\SUBMITTYPE\90%CN007-SEC-DRIVES 12/14/2018 8:46 AM



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'



GradyMinor
 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

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

8TH STREET IMPROVEMENTS

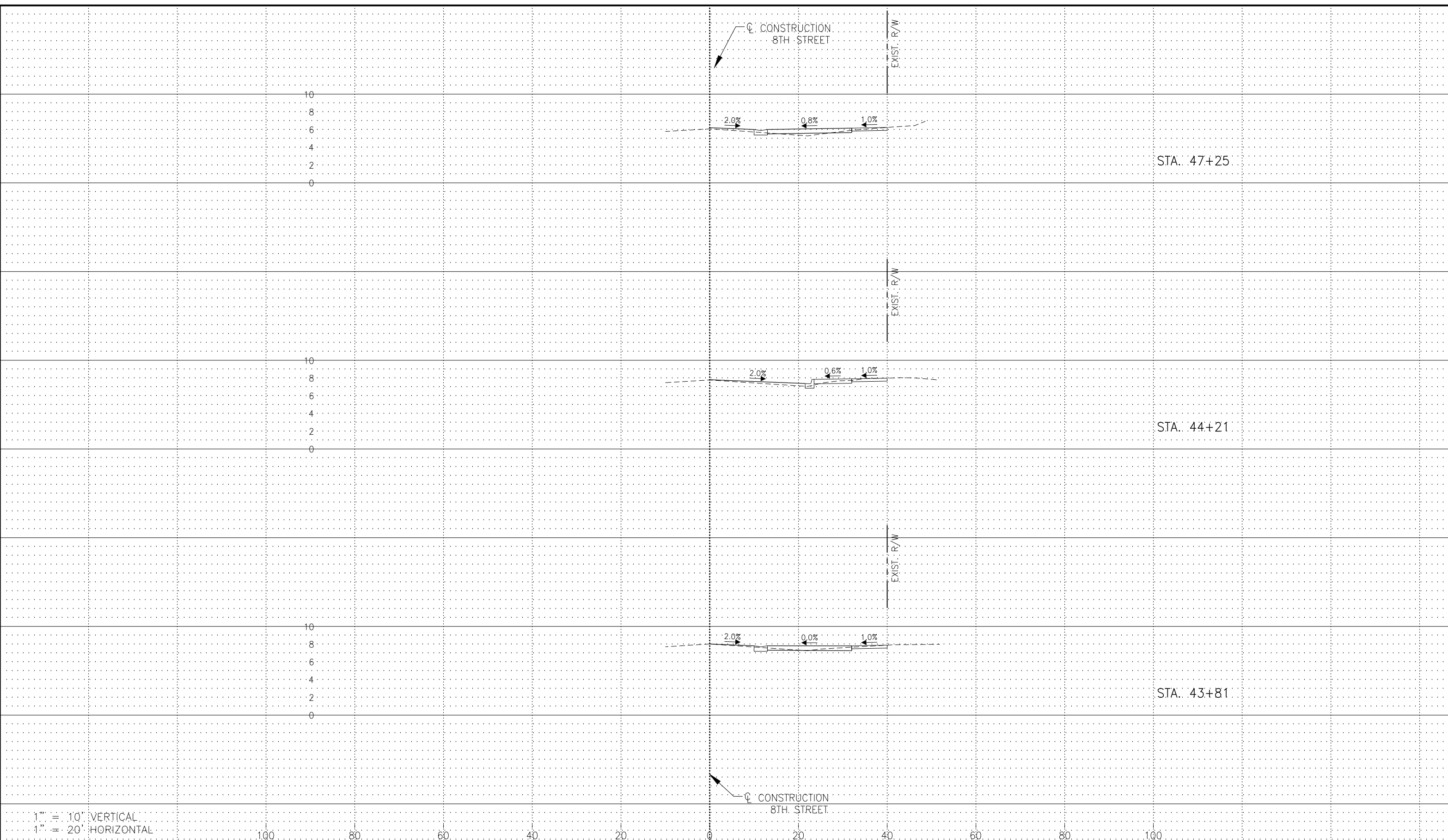
**DRIVEWAY SECTIONS - 4
 8TH STREET**

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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 59 OF 70

G:\ENGINEERING\PROJ-ENG\CN007\DWGS\SUBMITTAL\100%CN007-SEC-DRIVES 12/14/2018 8:46 AM



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'



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

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

8TH STREET IMPROVEMENTS

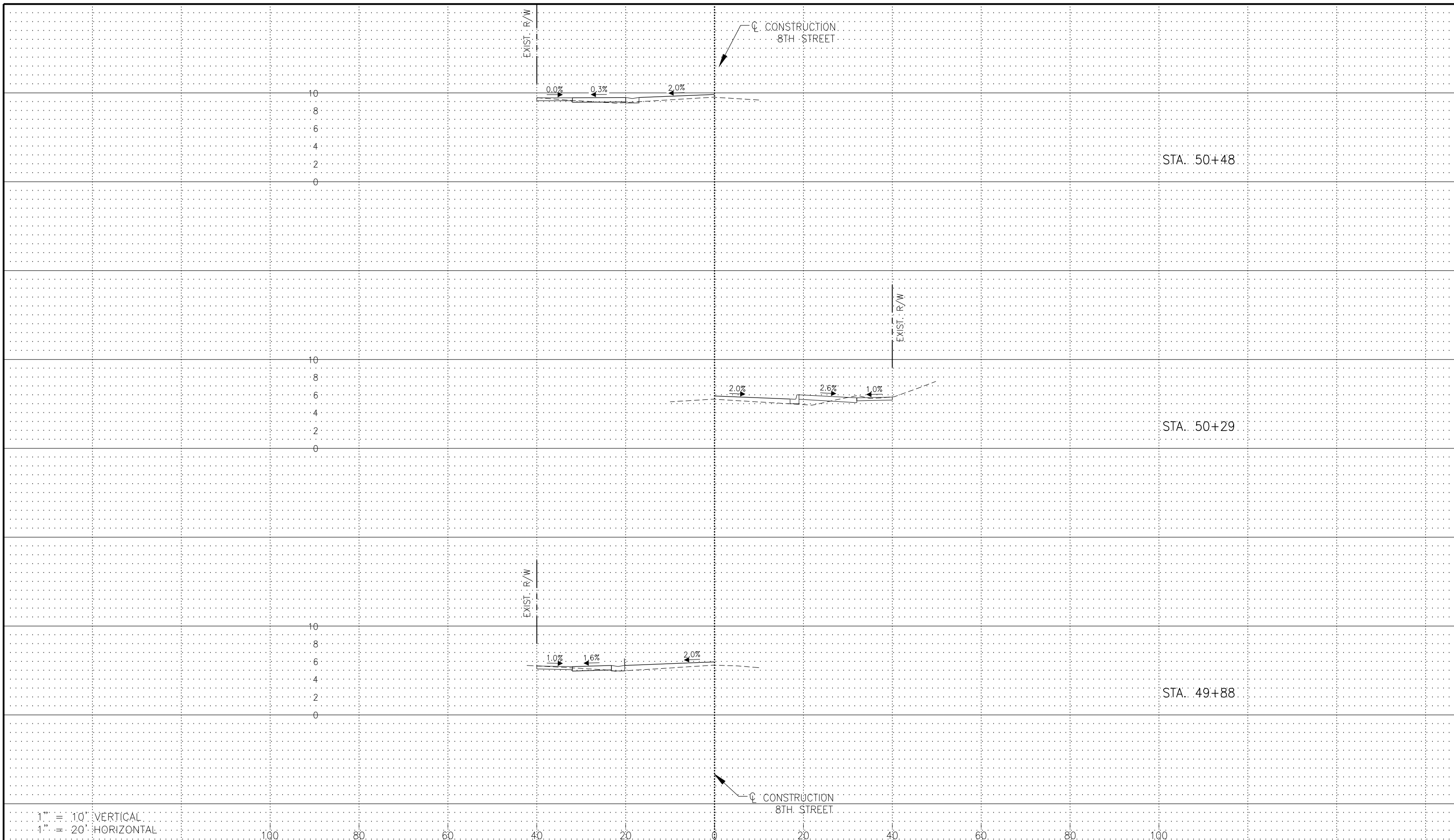
**DRIVEWAY SECTIONS - 5
 8TH STREET**

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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 60 OF 70

G:\ENGINEERING\PROJ-ENG\CN007\DWGS\SUBMITTAL\TYPE 90% \CN007-SEC-DRIVES 12/14/2018 8:46 AM



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'



GradyMinor
 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

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

8TH STREET IMPROVEMENTS

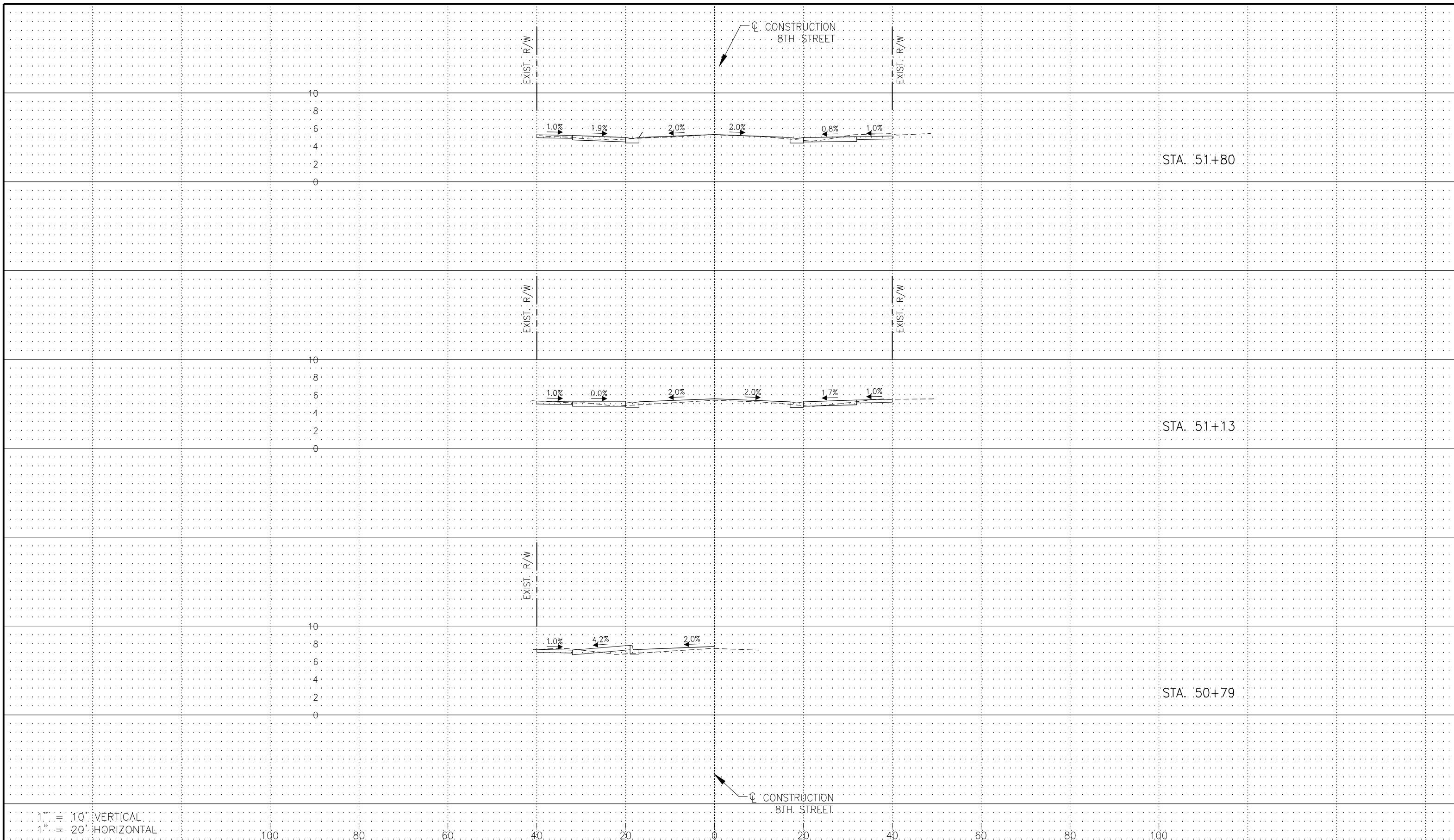
**DRIVEWAY SECTIONS - 6
 8TH STREET**

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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 61 OF 70

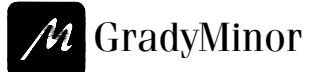
G:\ENGINEERING\PROJ-ENG\CN007\DWG\SUBMITTYPE\90%CN007-SEC-DRIVES 12/14/2018 8:47 AM



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'



GradyMinor
 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

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

8TH STREET IMPROVEMENTS

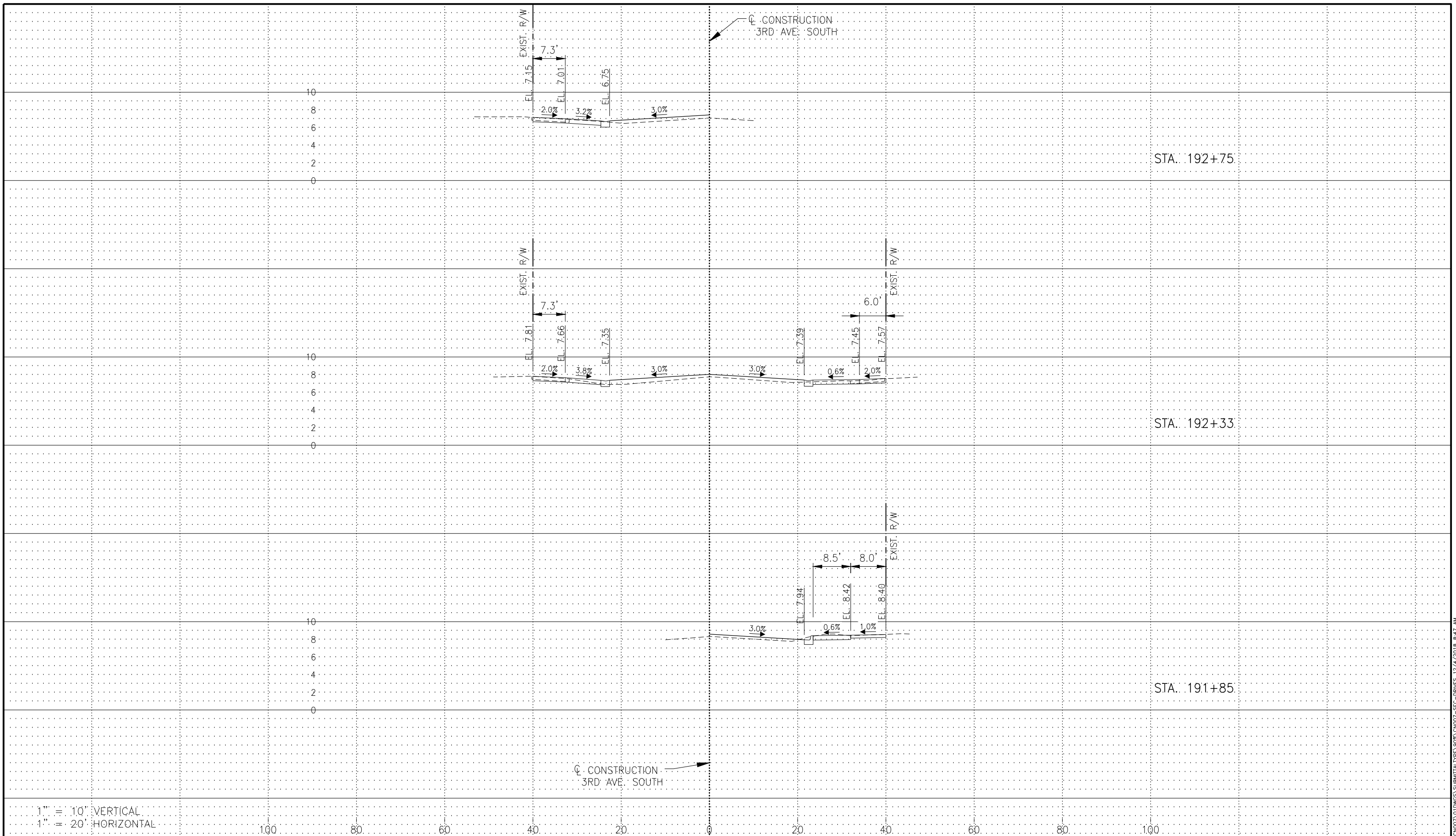
**DRIVEWAY SECTIONS - 7
 8TH STREET**

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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% PLANS
 SHEET 62 OF 70

G:\ENGINEERING\PROJ-ENG\CN007\01DWG\SUBMITTAL\TYPE 90% \CN007-SEC-DRIVES 12/14/2018 8:47 AM



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'



GradyMinor
 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

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

8TH STREET IMPROVEMENTS

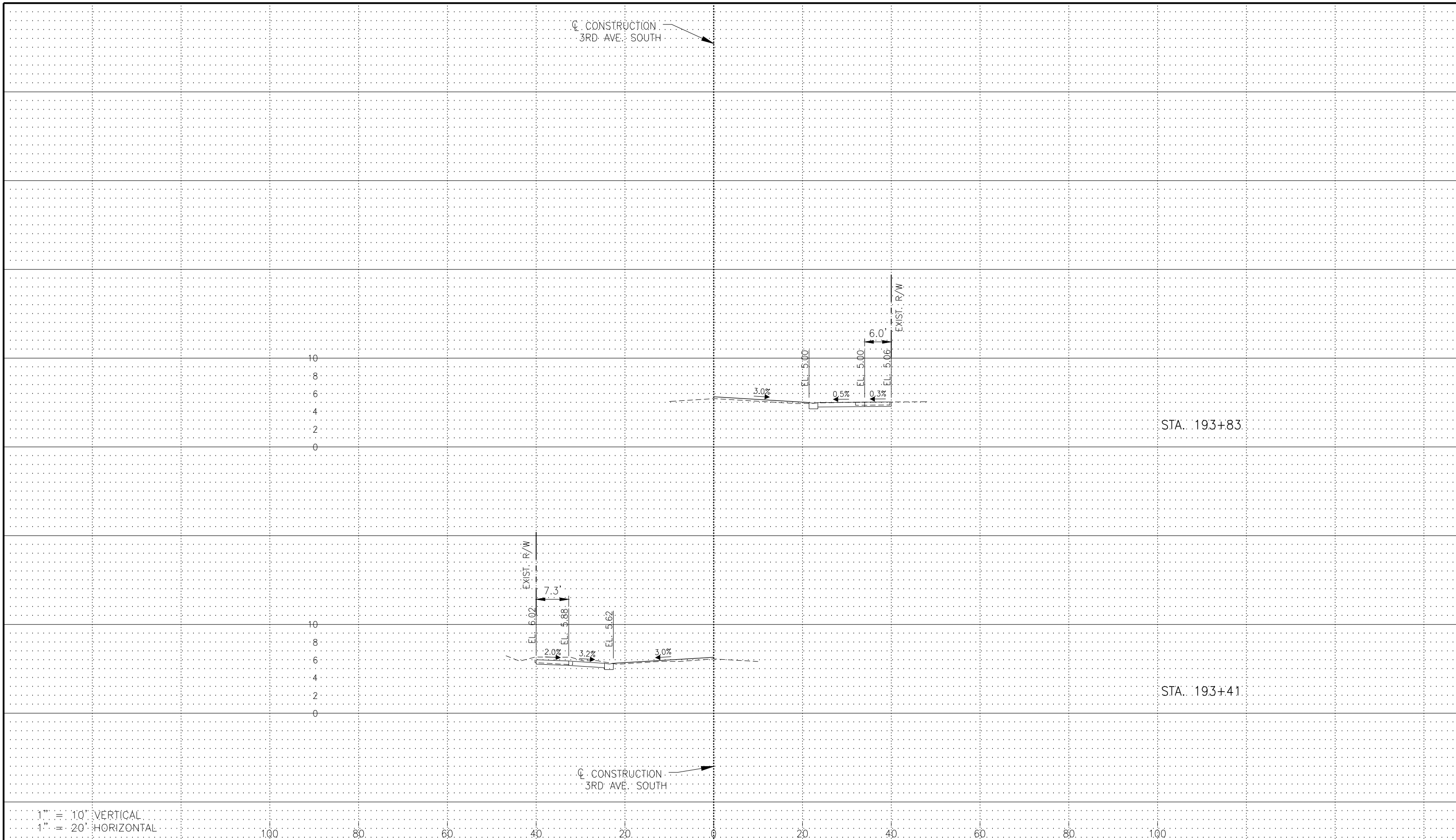
DRIVEWAY SECTIONS - 1
3RD AVENUE S

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/RGB:
 34/49S & 3/50S/25E
 DATE:
 DECEMBER, 2018
 SUBMITTAL TYPE:
 100% PLANS
 SHEET 63 OF 70

G:\ENGINEERING\PROJ-ENG\007\01\DWG\SUBMITTAL\100%_CN007-SEC-DRIVES_12/14/2018_8:47 AM



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'



GradyMinor
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

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

8TH STREET IMPROVEMENTS

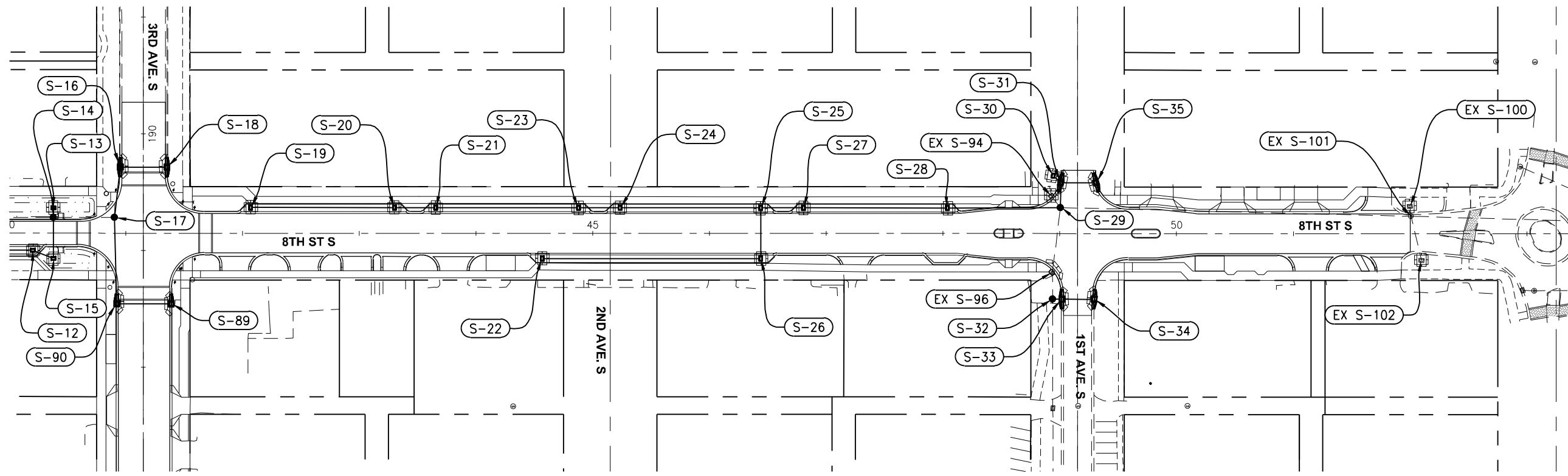
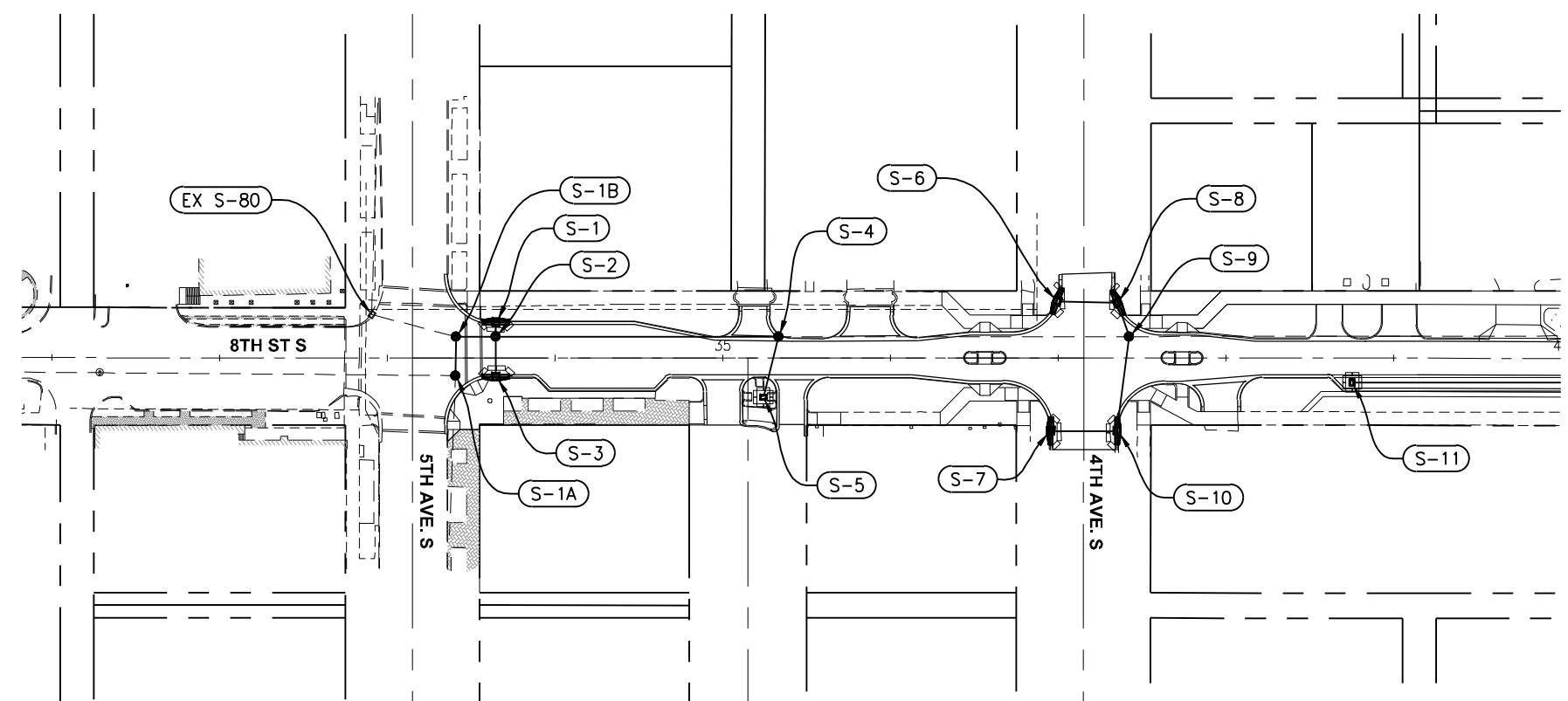
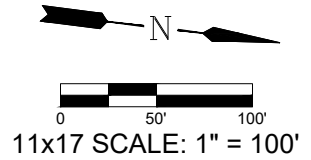
**DRIVEWAY SECTIONS - 2
3RD AVENUE S**

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/RGB: 34/49S & 3/50S/25E
DATE: DECEMBER, 2018
SUBMITTAL TYPE: 100% PLANS
SHEET 64 OF 70

G:\ENGINEERING\PROJ-ENG\007\01\DWG\SUBMITTYPE\90\%C\007-SEC-DRIVES 12/14/2018 8:47 AM



NOTE: TYPICAL EROSION CONTROL FOR DBI AND CURB INLETS REFER TO STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL, DATED JULY 2013.

LEGEND		
SYMBOL	DEFINITION	QUANTITY
	INLET PROTECTION SYSTEM - CURB INLET	16
	INLET PROTECTION SYSTEM - DITCH BOTTOM INLET OR VALLEY GUTTER INLET	19

Revision	Date	Description	By

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

GradyMinor
 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
EROSION CONTROL PLAN
 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/RGB: 34/49S & 3/50S/25E
 DATE: DECEMBER, 2018
 SUBMITTAL TYPE: 100% SUBMITTAL
 SHEET 64 OF #

C:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTAL\TYPE 90% PLAN\8th St EC PLAN 12/3/2018 1:05 PM

TEMPORARY TRAFFIC CONTROL GENERAL NOTES:

1. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN THE LATEST VERSIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SECTION 102 "MAINTENANCE OF TRAFFIC" OF THE FDOT DESIGN STANDARDS AT ALL TIMES.
2. ALL EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN DURING A CONSTRUCTION PHASE, SHALL BE REMOVED OR TEMPORARILY RELOCATED AS NECESSARY PRIOR TO THE DIVERSION OF TRAFFIC AND THE COMMENCEMENT OF CONSTRUCTION.
3. THE EXISTING POSTED SPEED SHALL REMAIN DURING CONSTRUCTION. TRAFFIC SHALL BE MAINTAINED ON PAVED SURFACES AT ALL TIMES.
4. THE FIRST TWO WARNING SIGNS OF THE ADVANCED SIGNAGE INSTALLATION SHALL HAVE 18" x 18" MIN. ORANGE FLAGS AND HIGH INTENSITY TYPE "B" FLASHING LIGHTS ATTACHED AND OPERATIONAL AT ALL TIMES. SEE FDOT INDEX SERIES 102.
5. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
6. SIGNING FOR THE PROJECT AT BEGINNING CONSTRUCTION, END CONSTRUCTION, AND SIDE STREETS SHALL BE ACCOMPLISHED WITH SIGNING AS DETAILED IN THE PLANS AND FDOT DESIGN STANDARDS, INDEX 102 SERIES.
7. MINIMUM LANE WIDTH SHALL BE 10'.
8. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
9. EXISTING SIDEWALK WILL BE CLOSED AS NECESSARY TO ACCOMMODATE CONSTRUCTION. CONTRACTOR WILL PLACE NECESSARY SIDEWALK CLOSURE SIGNAGE IN ACCORDANCE WITH STANDARD INDEX 102-660.
10. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE UTILIZED IN ADVANCE OF THE CONSTRUCTION. LOCATION TO BE DETERMINED BY THE CITY AT THE PRE-CONSTRUCTION MEETING.
11. SIGNS SHALL BE PLACED 10 DAYS PRIOR TO THE START OF CONSTRUCTION AND SHALL REMAIN IN USE THROUGHOUT THE DURATION OF THE PROJECT.

DISPLAY A: CONST
AHEAD

DISPLAY B: USE
CAUTION

TEMPORARY TRAFFIC CONTROL NOTES:

- 1 THE INTENT OF PHASE 1A-1C & 2A-2C IS TO SHUT DOWN BLOCKS OF 8TH STREET, 3RD AVE. SOUTH & 1ST AVE. SOUTH PER THE TRAFFIC CONTROL PLAN.
- 2 THE UTILITY IMPROVEMENTS FROM 10TH AVE. SOUTH TO 5TH AVE. SOUTH SHALL BE CONSTRUCTED AS A SEPARATE PHASE.
- 3 CONTRACTOR TO PROVIDE DETOUR SIGNAGE LAYOUT TO THE CITY FOR REVIEW 2 WEEKS PRIOR TO THE START OF CONSTRUCTION.

PROPOSED CONSTRUCTION SEQUENCE FOR PHASE 1A-1C:

- A 8TH STREET SOUTH FROM 5TH AVE. SOUTH TO 3RD AVE. SOUTH
- B 8TH STREET SOUTH FROM 3RD AVE. SOUTH TO CENTRAL AVENUE
- E 3RD AVENUE SOUTH FROM 8TH ST. SOUTH TO U.S. 41 & 1ST AVENUE SOUTH FROM 8TH ST. SOUTH TO U.S. 41

PROPOSED CONSTRUCTION SEQUENCE FOR PHASE 2A-2C:

- A 8TH STREET NORTH FROM CENTRAL AVENUE TO 2ND AVE. NORTH
- B 8TH STREET NORTH FROM 2ND AVE. NORTH TO 4TH AVE. NORTH
- C 8TH STREET NORTH FROM 4TH AVE. NORTH TO 7TH AVE. NORTH

TEMPORARY TRAFFIC CONTROL PHASING NOTES:

- 1 PLACE TEMPORARY ADVANCE TRAFFIC CONTROL SIGNS AND DEVICES AS SHOWN IN THE TEMPORARY TRAFFIC CONTROL PLAN ADVANCE WARNING LAYOUT.
- 2 CLEAR AND GRUB, CONSTRUCT SIDEWALK, DRAINAGE IMPROVEMENTS, UTILITY IMPROVEMENTS AND SIGNALS ACCORDING TO THE PLANS.
- 3 MILL, WIDEN, AND RESURFACE EXISTING PAVEMENT (EXCLUDING THE FRICTION COURSE) AT THE LOCATIONS SHOWN IN THE PLANS.
- 4 CONSTRUCT SIGNAL, LIGHTING, AND SIGNAGE AT THE LOCATIONS SHOWN IN THE PLANS. FINALIZE GRADING OF OUTSIDE SHOULDER AREAS.
- 5 PLACE FRICTION COURSE AND FINAL STRIPING.
- 6 REMOVE THE TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES PLACED DURING THE TEMPORARY TRAFFIC CONTROL OPERATIONS.
- 7 PLACE PAVEMENT MARKINGS ACCORDING TO THE PLANS.
- 8 PLACE SOD.
- 9 CLEAN UP THE SITE.

LEGEND

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	N/A



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

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

8th Street Improvements

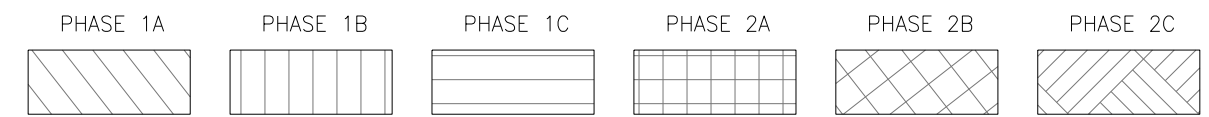
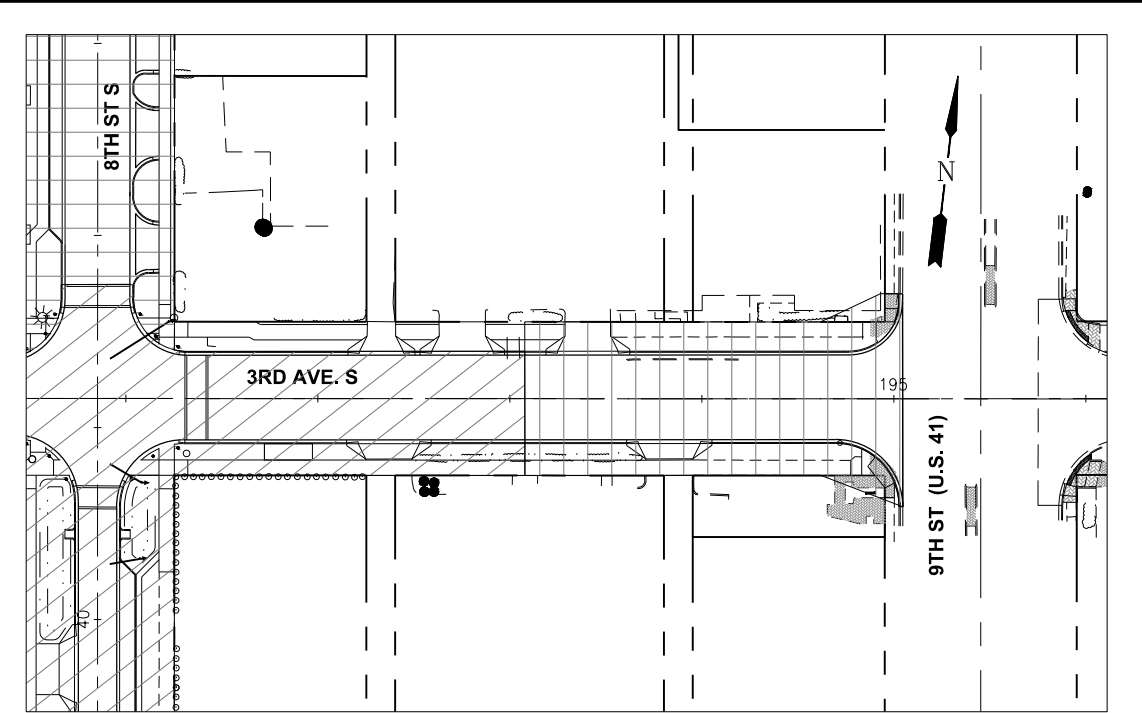
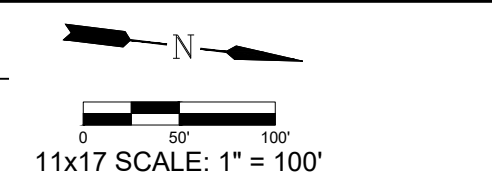
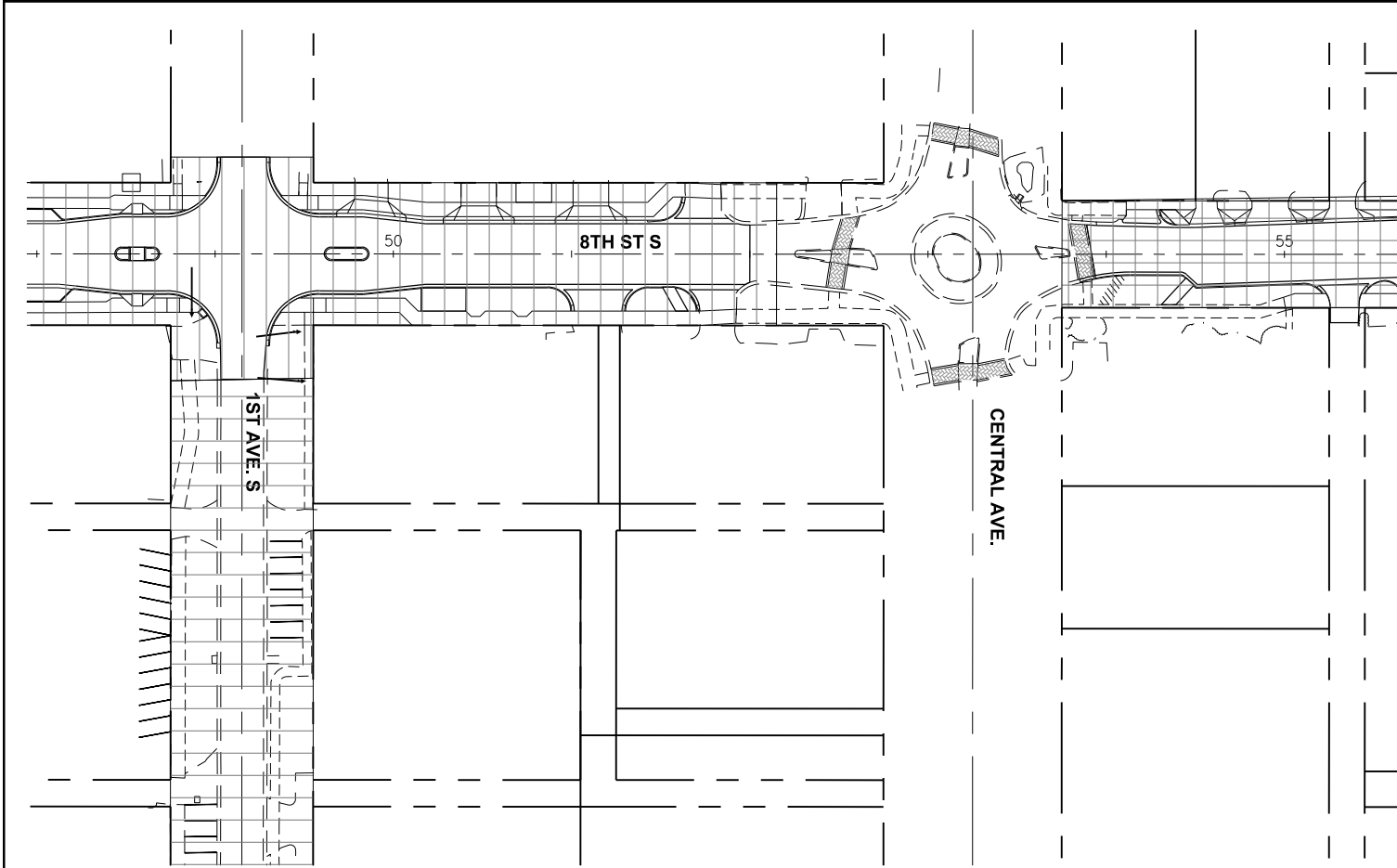
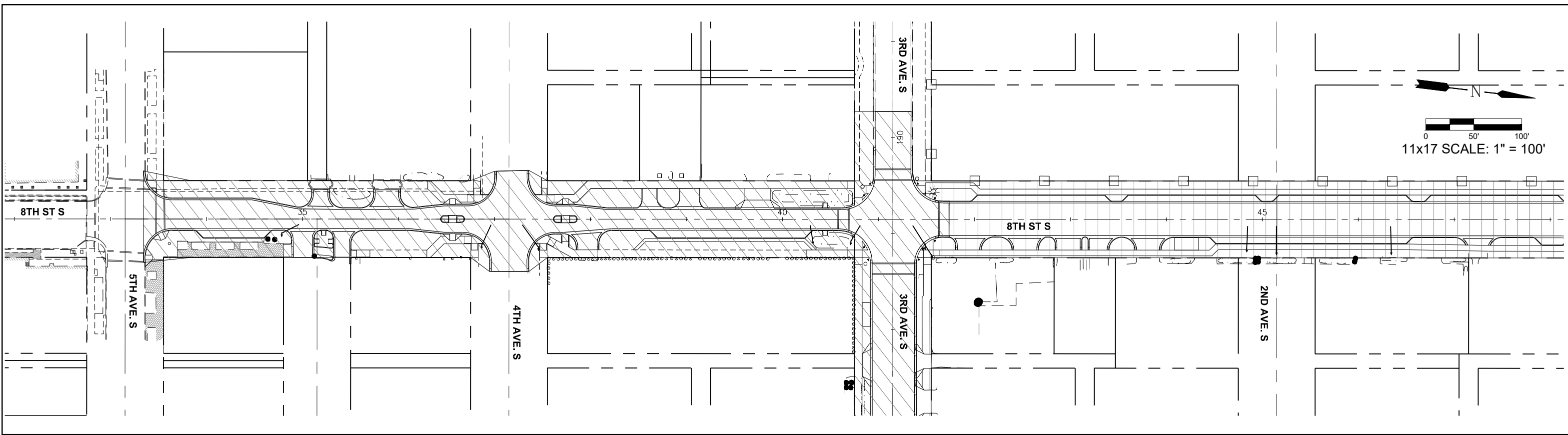
TRAFFIC CONTROL GENERAL NOTES

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
SHEET	93 OF 96

C:\ENGINEERING\PROJ-ENG\CN007\01DWG\SUBMITTYPE\90%CN007-1C-PLANS 12/10/2018 11:59 AM



LEGEND			

Revision	Date	Description	By

DESIGNED BY:	R.D.F.
DRAWN BY:	D.M.S.
APPROVED:	R.D.F.
JOB CODE:	CN007
SCALE:	11x17######

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

TRAFFIC CONTROL PLAN

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/RGB:
34/49S & 3/50S/25E

DATE:
DECEMBER, 2018

SUBMITTAL TYPE:
100% SUBMITTAL

SHEET 94 OF 96

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

C:\ENGINEERING\PROJ-ENG\CN007\GTDWGS\SUBMITTYPE\90%\CND07-1.C PLANS 12/10/2018 12:00 PM