

REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL: 1" = 6'  
 HORIZONTAL: 1" = 40'  
 11X17 SCALE:  
 VERTICAL: 1" = 3'  
 HORIZONTAL: 1" = 20'

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Cert. of Auth. EB 0005151      Cert. of Auth. LB 0005151

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

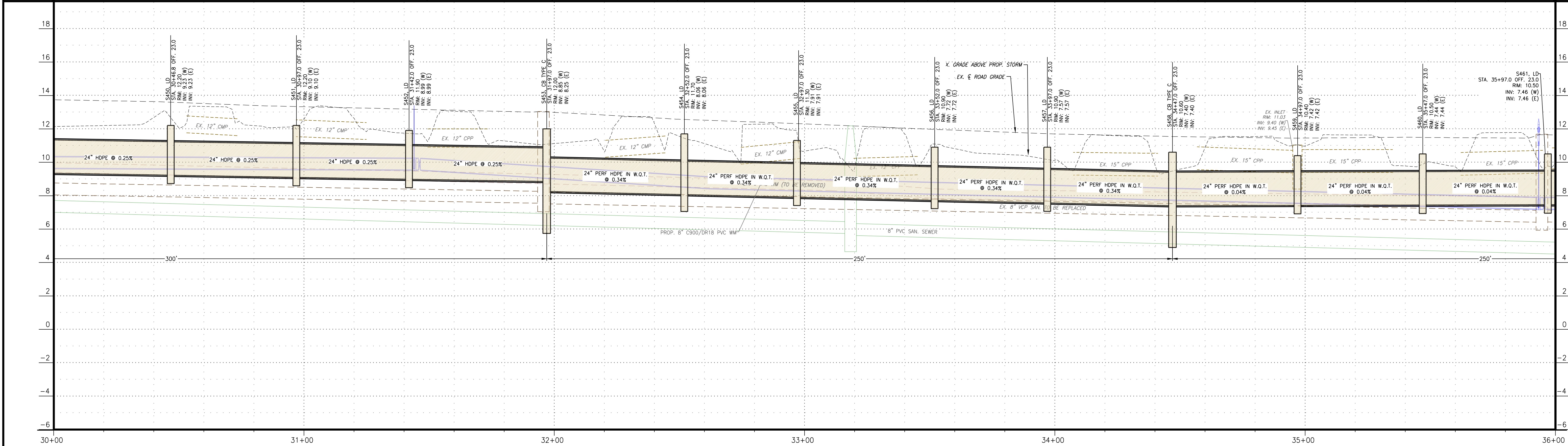
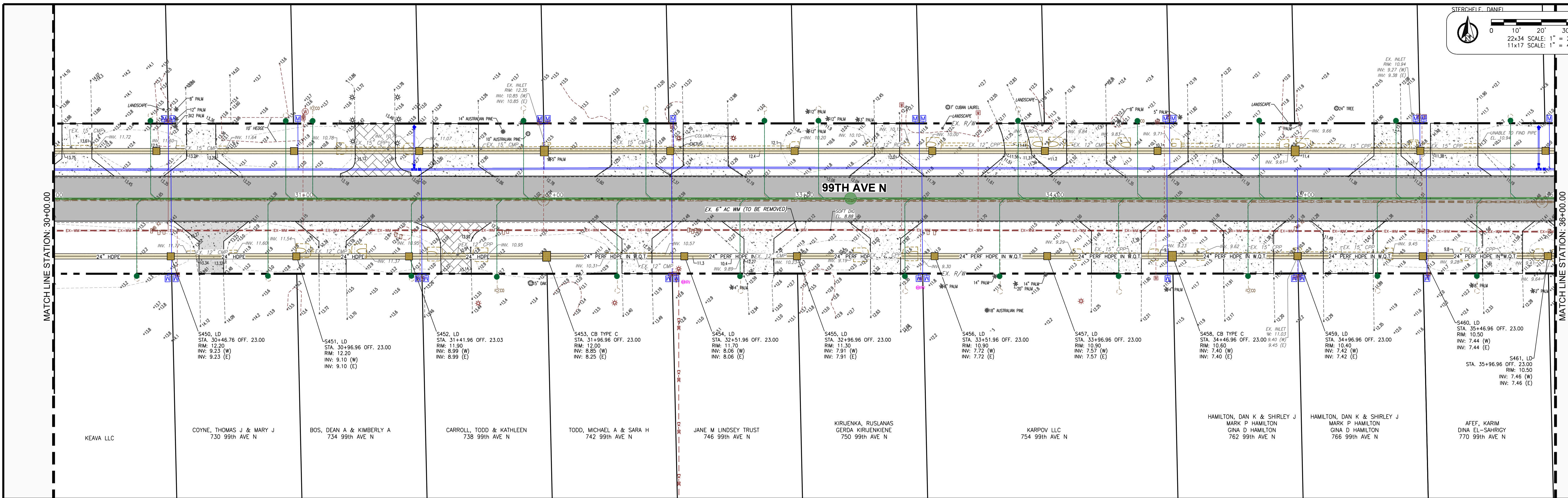
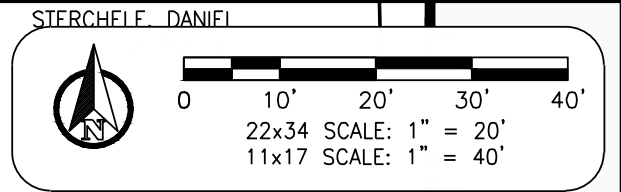
**98th & 99th Avenue North - Public Utilities Renewal**

99TH AVE. N. - SOUTH DRAINAGE  
 PLAN & PROFILE  
 STA. 24+00.00 TO 30+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY
SEC/TWN/RGE: 28/48/25
DATE: MARCH, 2022
SUBMITTAL TYPE: BID
SHEET 61 OF 99

C:\ENGINEERING\PROJ-ENG\CCU285\SUBMITTAL TYPE CONSTRUCTION PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE R&P\_4/21/2023 12:17 PM



REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'  
 11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

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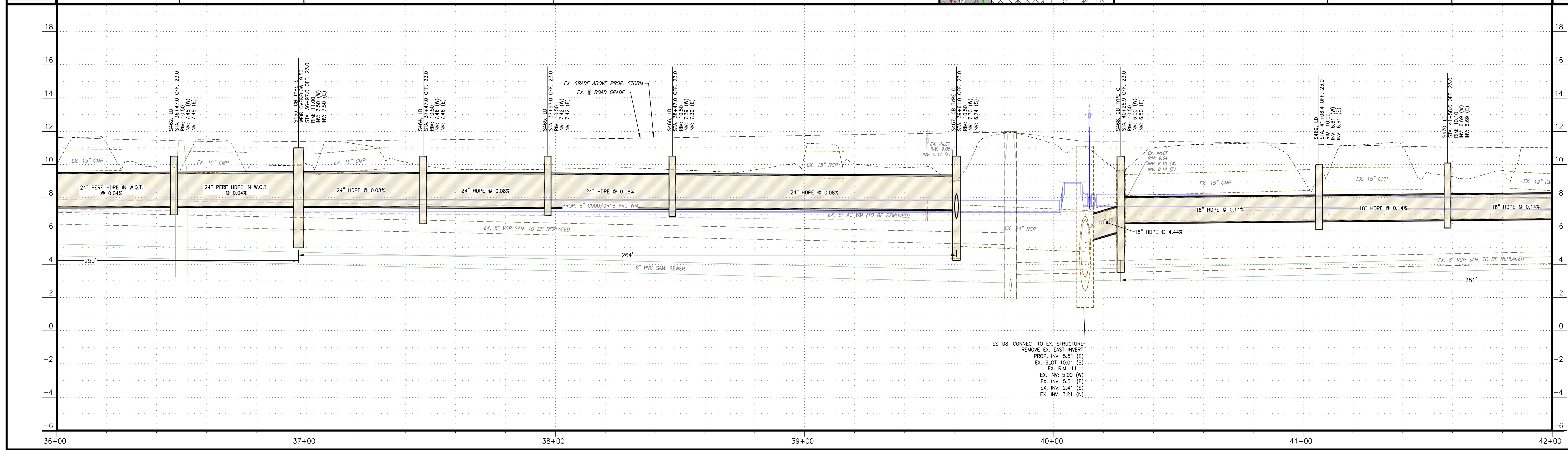
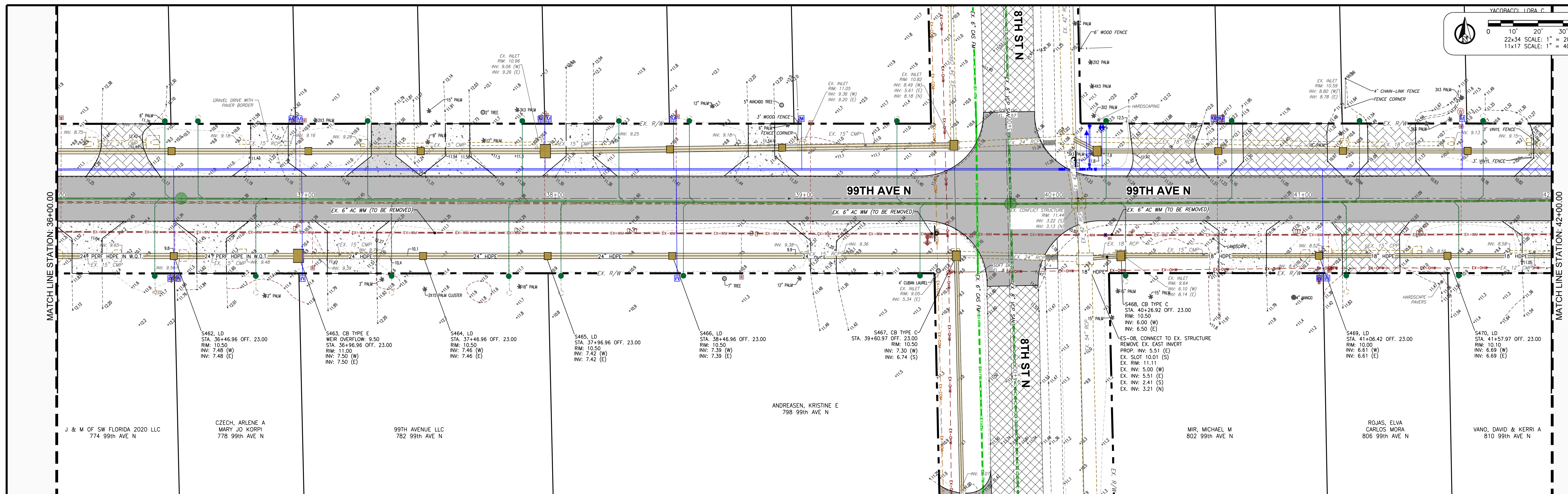
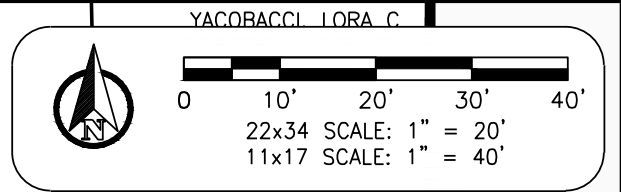
**98th & 99th Avenue North - Public Utilities Renewal**  
 99TH AVE. N. - SOUTH DRAINAGE  
 PLAN & PROFILE  
 STA. 30+00.00 TO 36+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 62 OF 99

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

C:\ENGINEERING\PROJ-ENG\CCU285\SUBMITTAL\TYPE\CONSTRUCTION\PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE EXP 4/21/2023 12:18 PM



REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
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 VERTICAL 1" = 3'  
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 Bonita Springs: 239.947.1144 www.GradyMinor.com Fort Myers: 239.690.4380

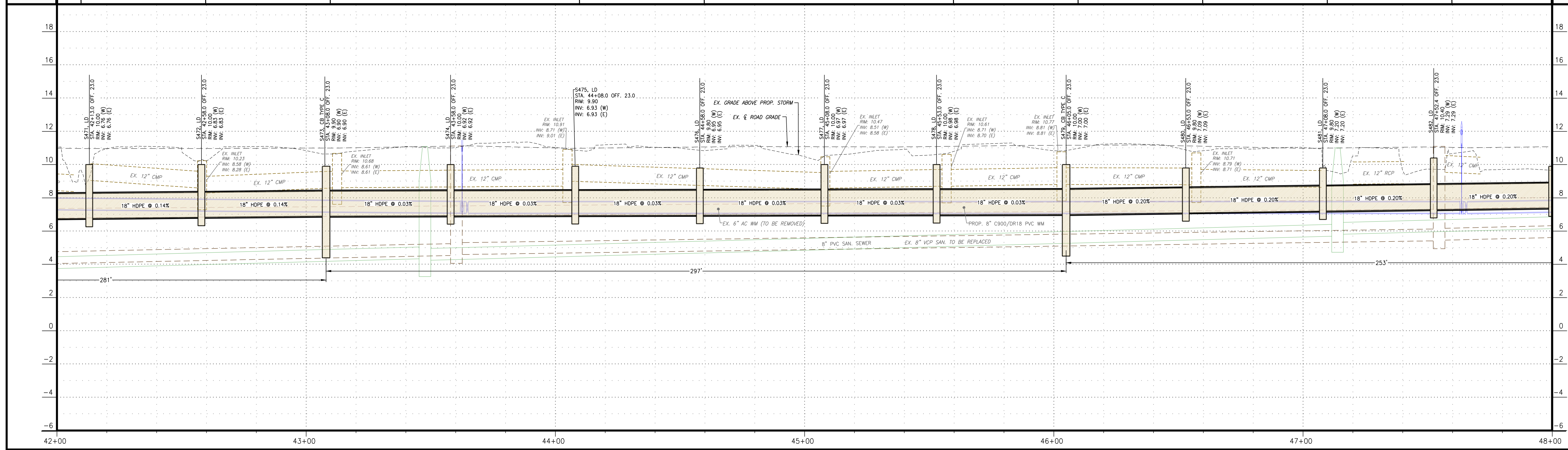
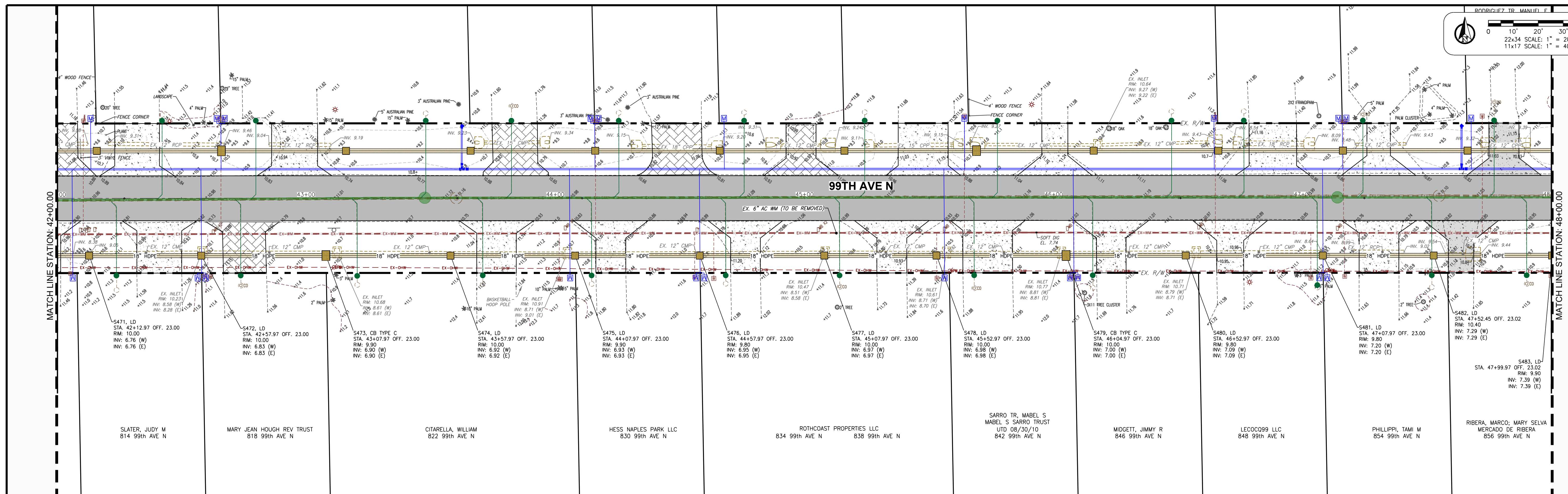
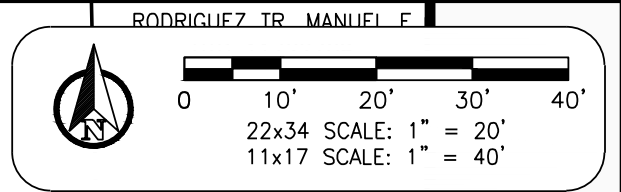
**98th & 99th Avenue North - Public Utilities Renewal**  
 99TH AVE. N. - SOUTH DRAINAGE  
 PLAN & PROFILE  
 STA. 36+00.00 TO 42+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
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MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 63 OF 99

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

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
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 APPROVED: J.A.F.  
 JOB CODE: CCU285

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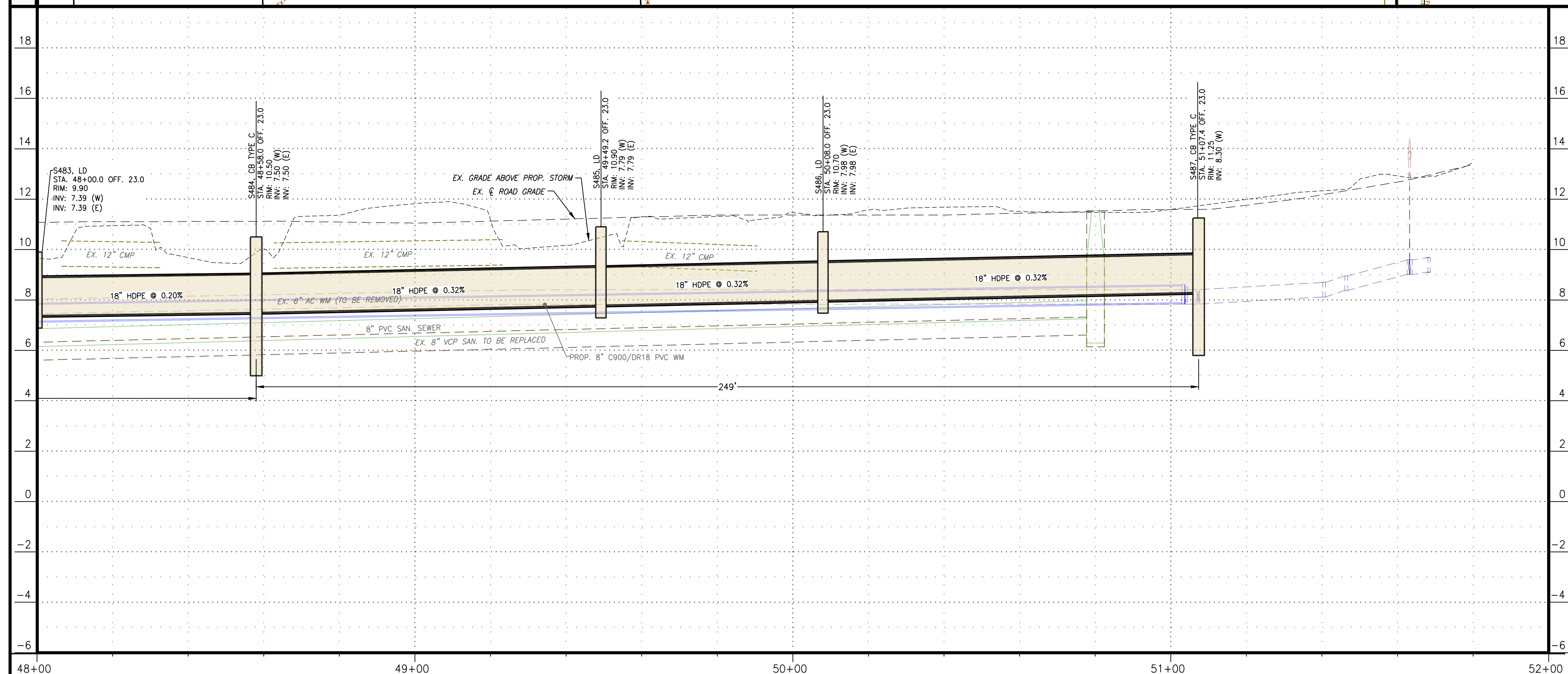
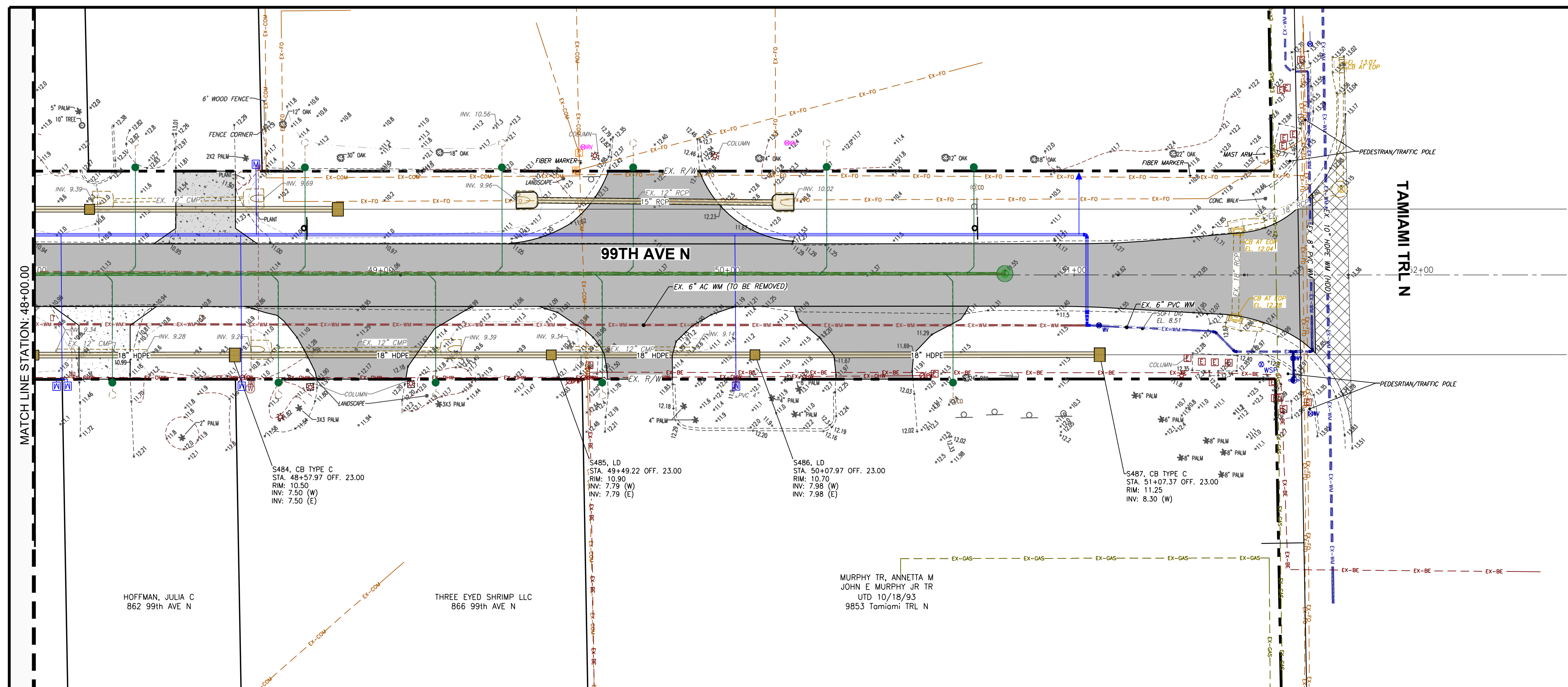
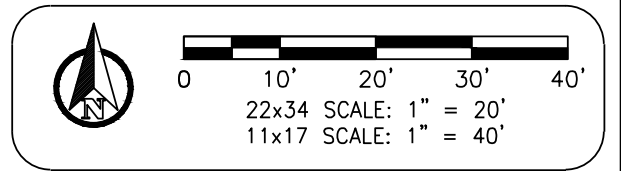
**99th & 99th Avenue North - Public Utilities Renewal**  
 99TH AVE. N. - SOUTH DRAINAGE  
 PLAN & PROFILE  
 STA. 42+00.00 TO 48+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY:	COLLIER COUNTY
SEC/TWN/RGE:	28/48/25
DATE:	MARCH, 2022
SUBMITTAL TYPE:	BID
SHEET	64 OF 99



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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

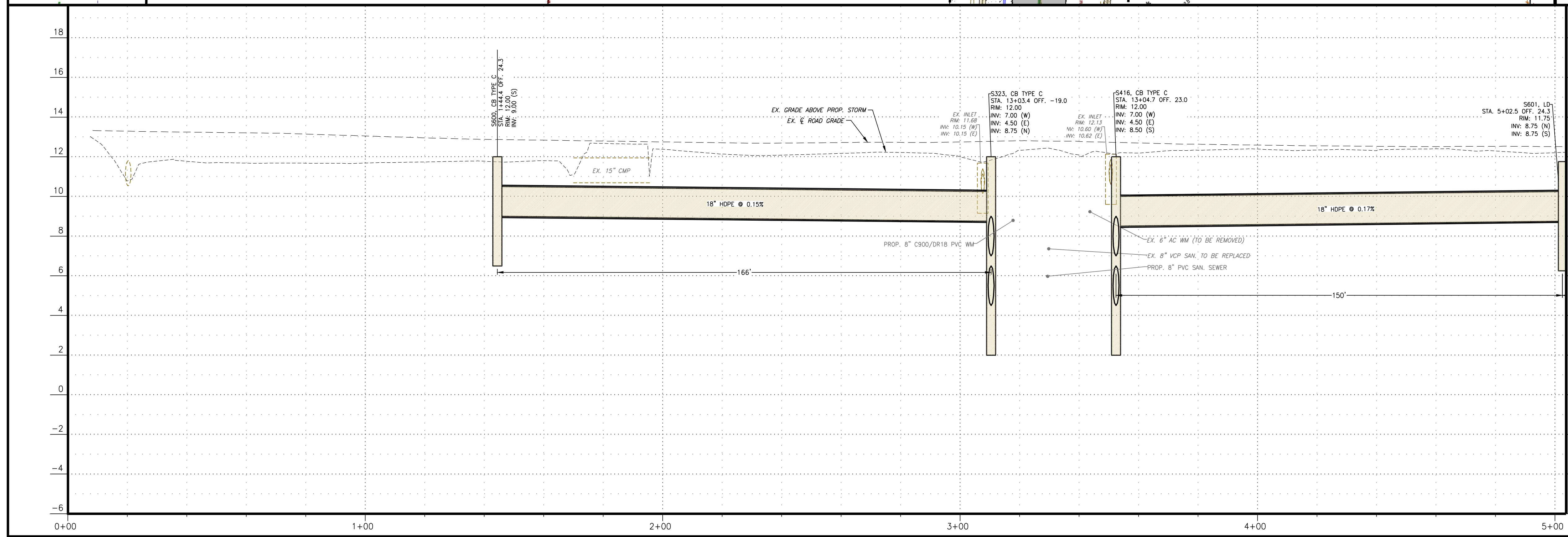
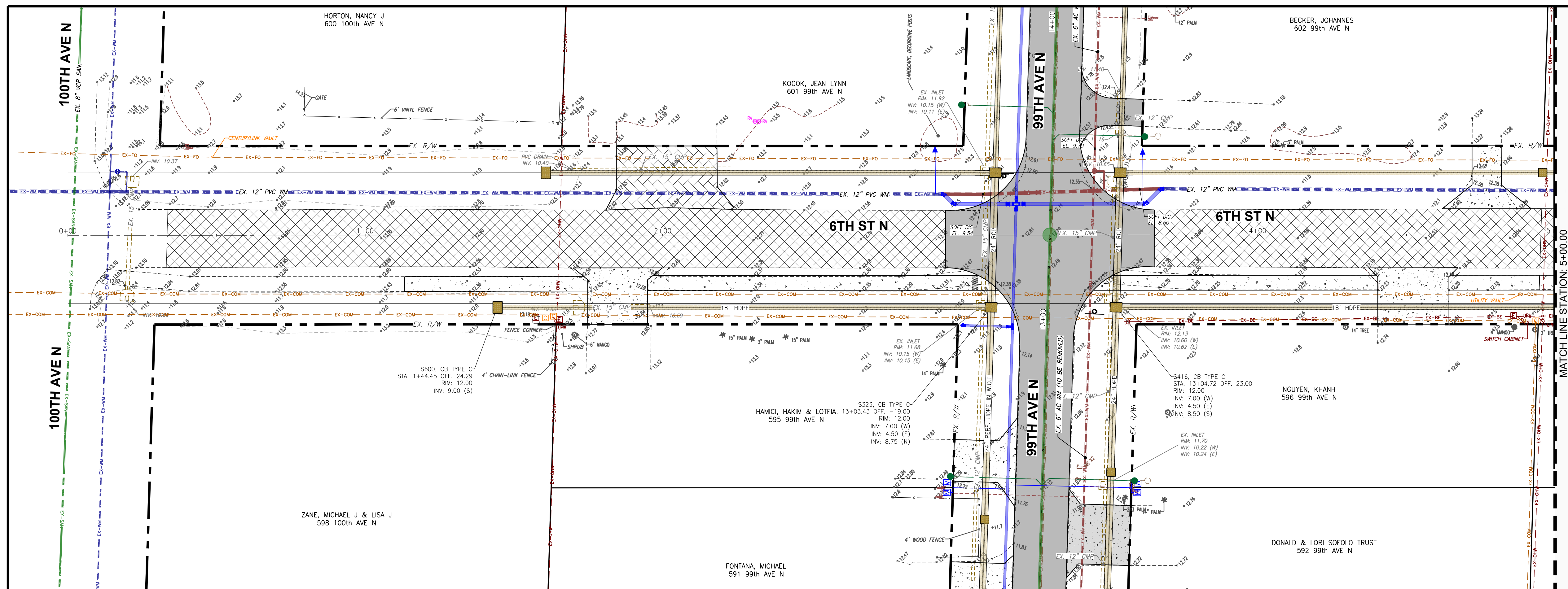
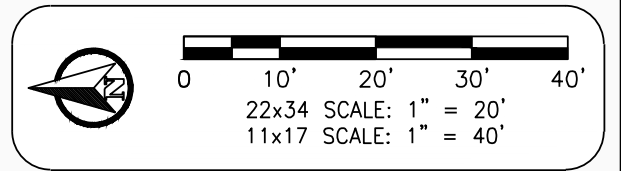
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**98th & 99th Avenue North - Public Utilities Renewal**  
 99TH AVE. N. - SOUTH DRAINAGE  
 PLAN & PROFILE  
 STA. 48+00.00 TO 52+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
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MUNICIPALITY: COLLIER COUNTY
SEC/TWN/RGE: 28/48/25
DATE: MARCH, 2022
SUBMITTAL TYPE: BID
SHEET 65 OF 99

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'

11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

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

**98th & 99th Avenue North - Public Utilities Renewal**

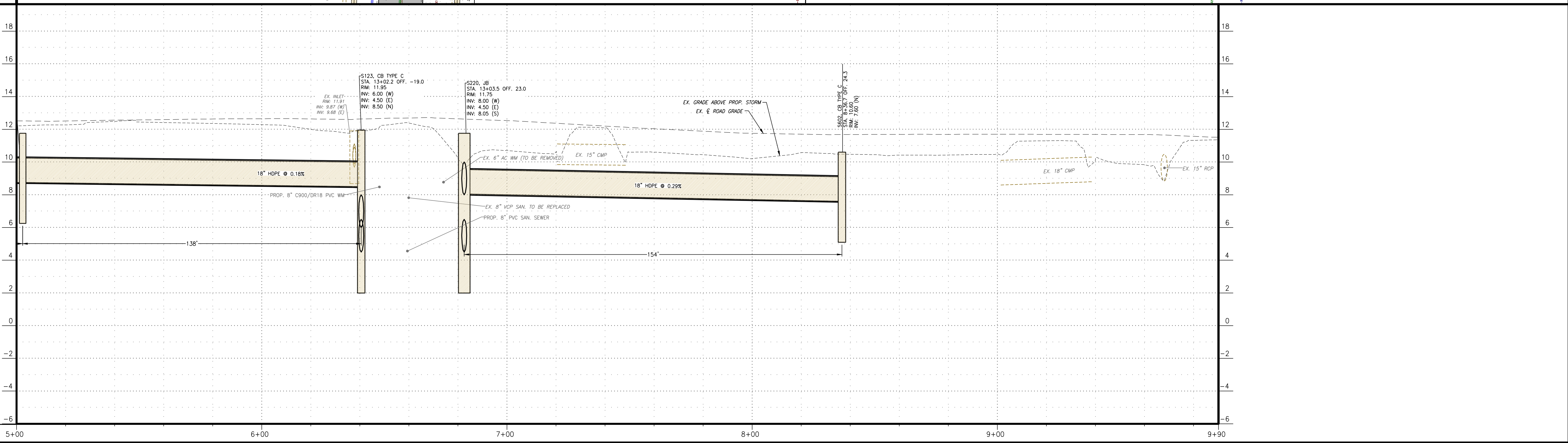
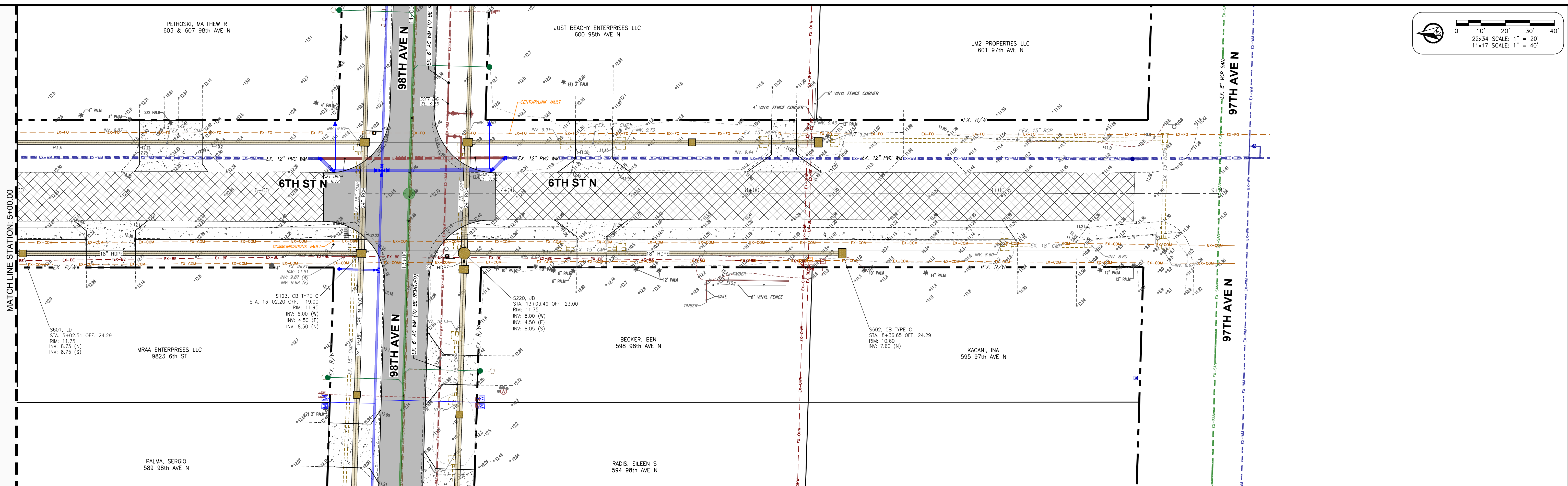
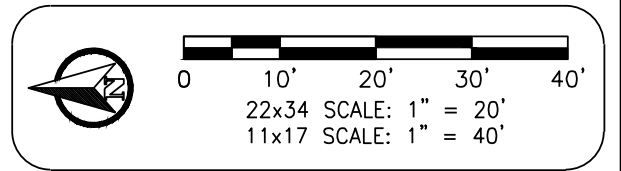
**6TH ST. N. - WEST DRAINAGE PLAN & PROFILE**  
 STA. 0+00.00 TO 5+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66066

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 66 OF 99

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

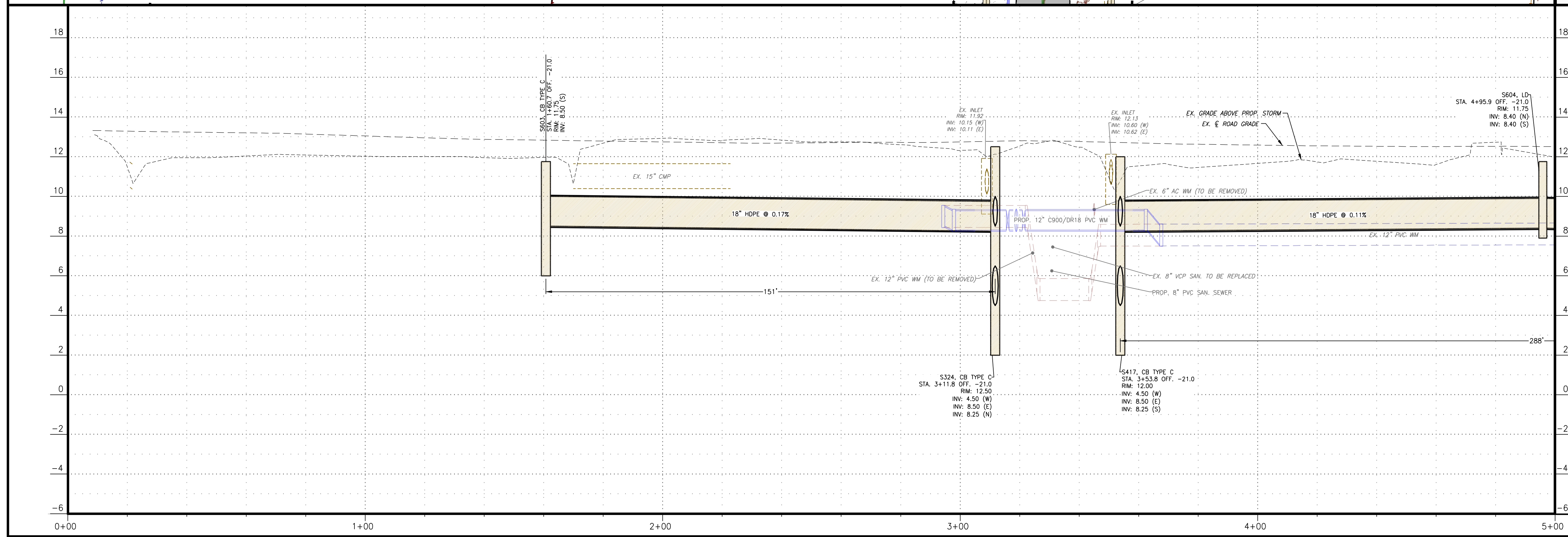
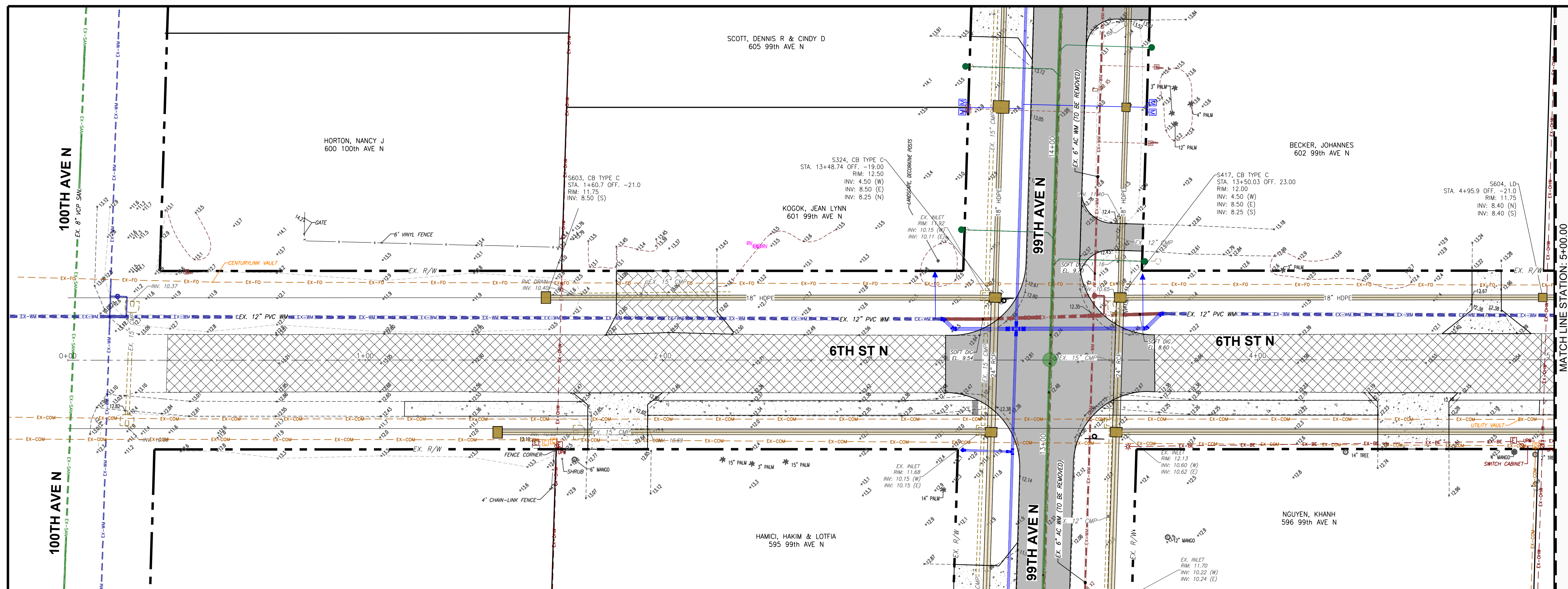
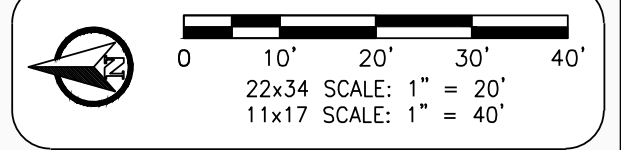
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**98th & 99th Avenue North - Public Utilities Renewal**  
 6TH ST. N. - WEST DRAINAGE PLAN & PROFILE  
 STA. 5+00.00 TO 9+90.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY:	COLLIER COUNTY
SEC/TWN/RGE:	28/48/25
DATE:	MARCH, 2022
SUBMITTAL TYPE:	BID
SHEET	67 OF 99

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'  
 11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

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 Bonita Springs, Florida 34134

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

**98th & 99th Avenue North - Public Utilities Renewal**

**6TH ST. N. - EAST DRAINAGE PLAN & PROFILE**  
 STA. 0+00.00 TO 5+00.00

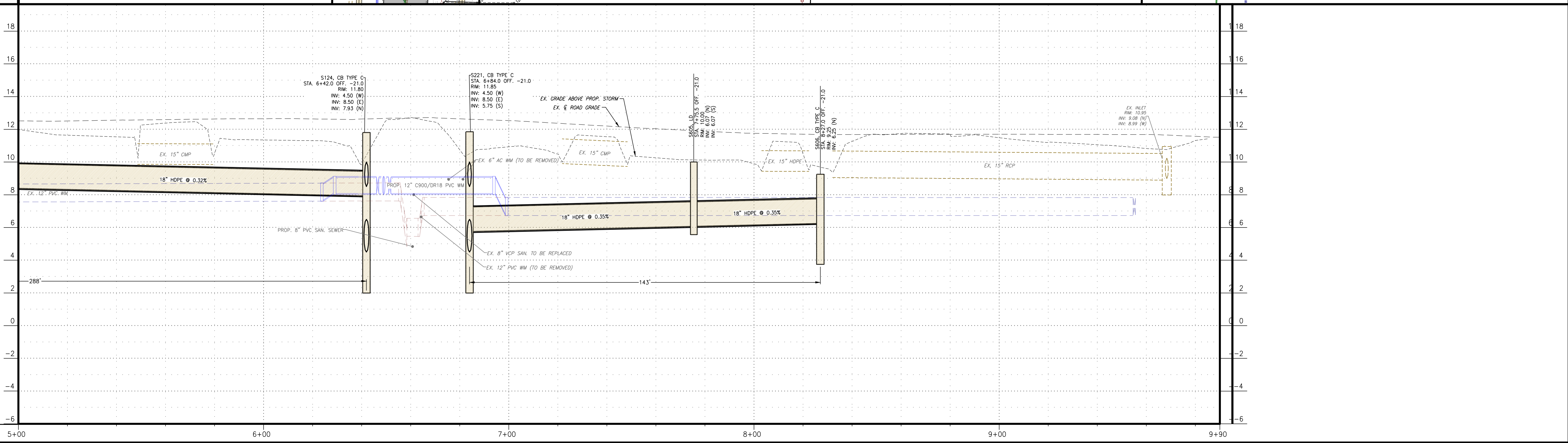
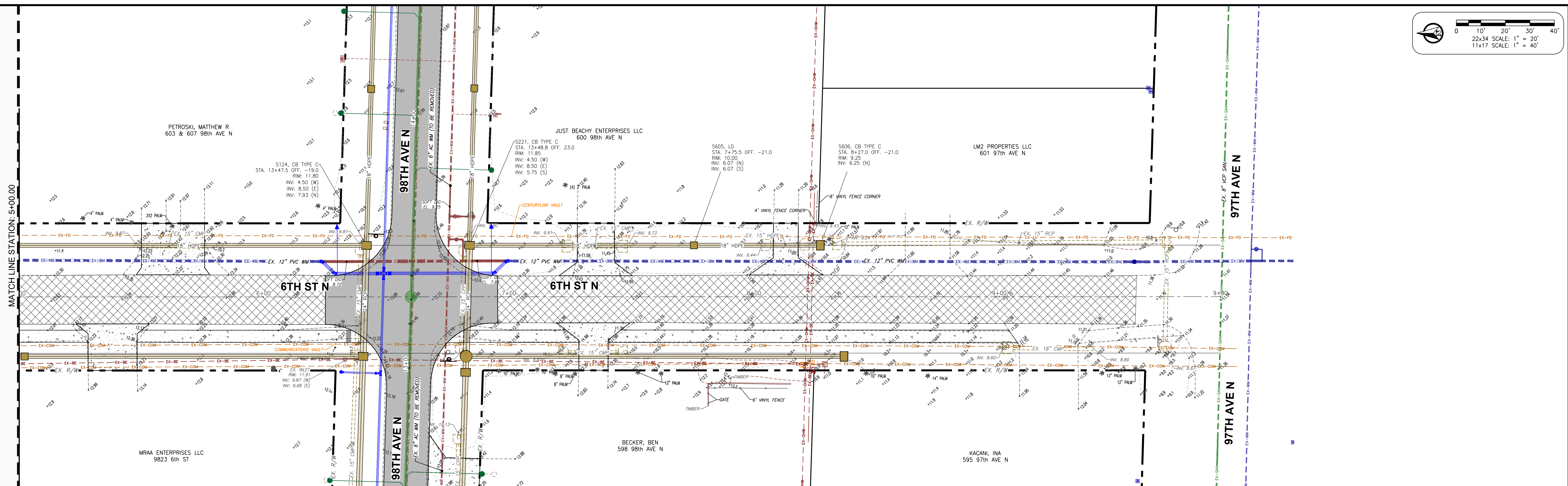
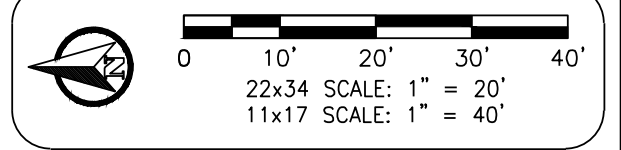
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MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 68 OF 99

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

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
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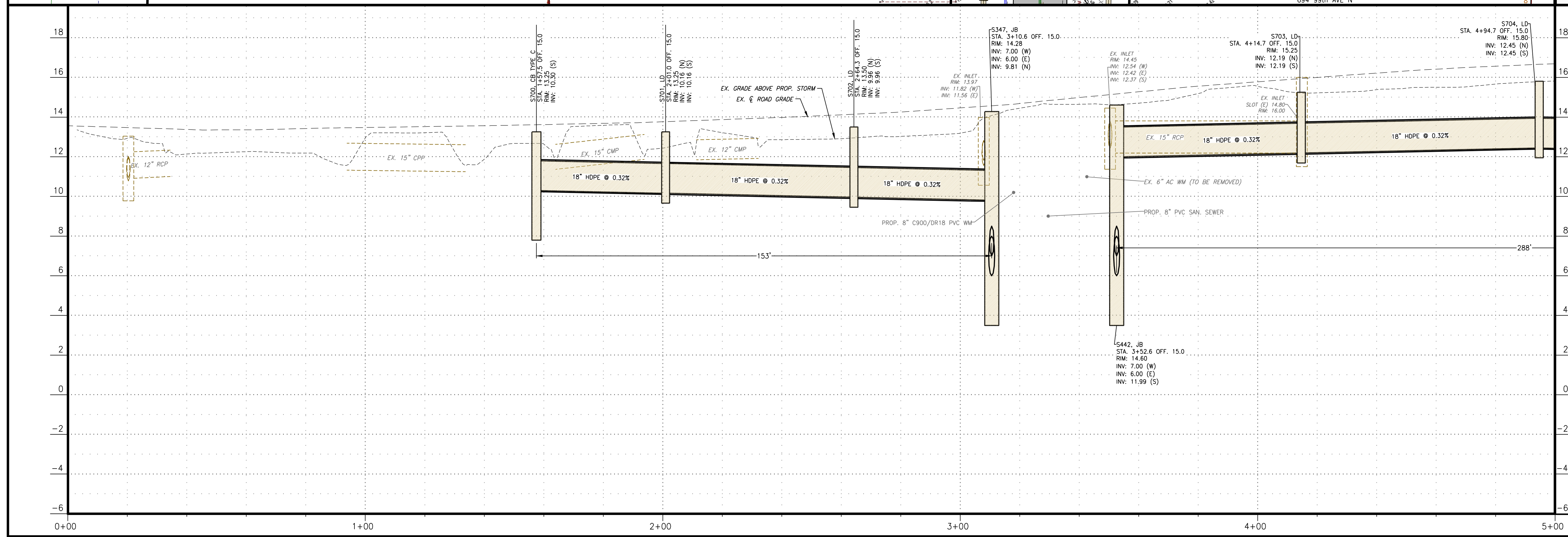
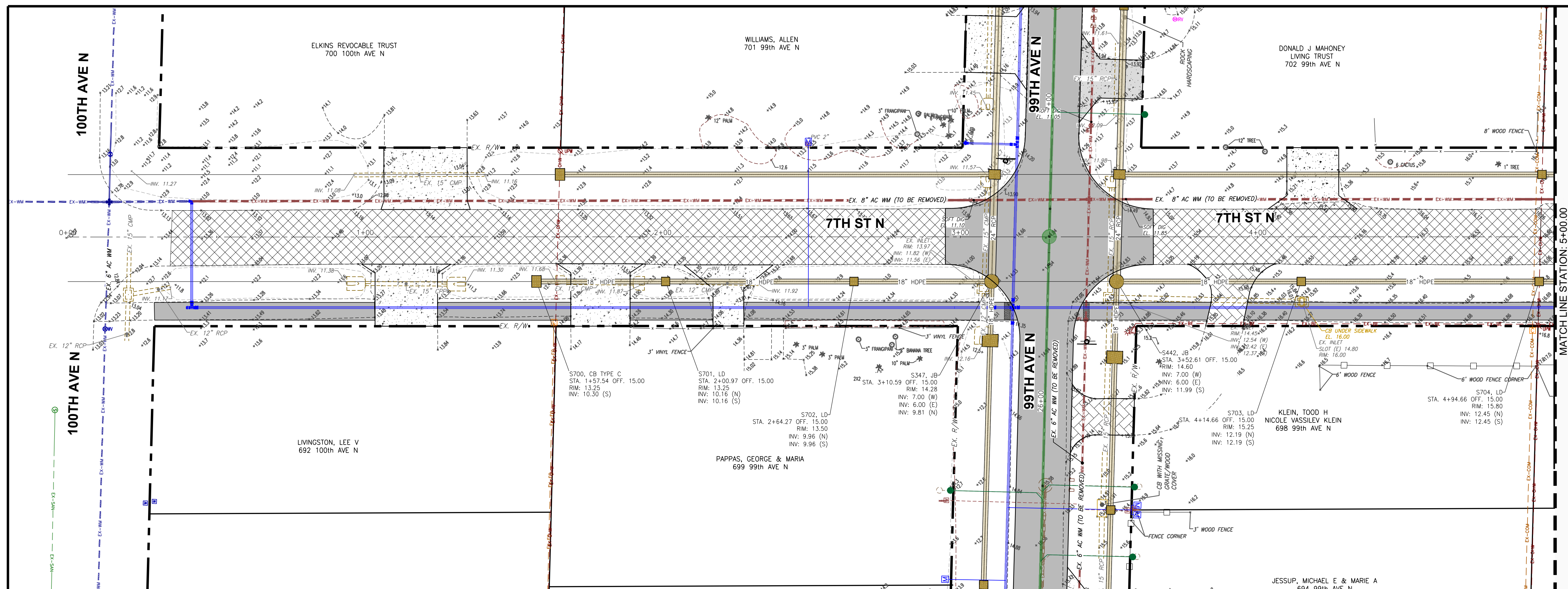
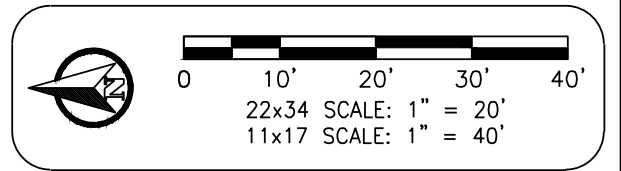
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**98th & 99th Avenue North - Public Utilities Renewal**  
**6TH ST. N. - EAST DRAINAGE PLAN & PROFILE**  
**STA. 5+00.00 TO 9+90.00**

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
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MUNICIPALITY: COLLIER COUNTY
SEC/TWN/RGE: 28/48/25
DATE: MARCH, 2022
SUBMITTAL TYPE: BID
SHEET 69 OF 99

C:\ENGINEERING\PROJ-ENG\CCU285\SUBMITTAL\TYPE\CONSTRUCTION PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE E&P 4/21/2023 12:27 PM



REVISION	DATE	DESCRIPTION	BY

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 APPROVED: J.A.F.  
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22X34 SCALE:  
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 Business LC 26000266

**98th & 99th Avenue North - Public Utilities Renewal**

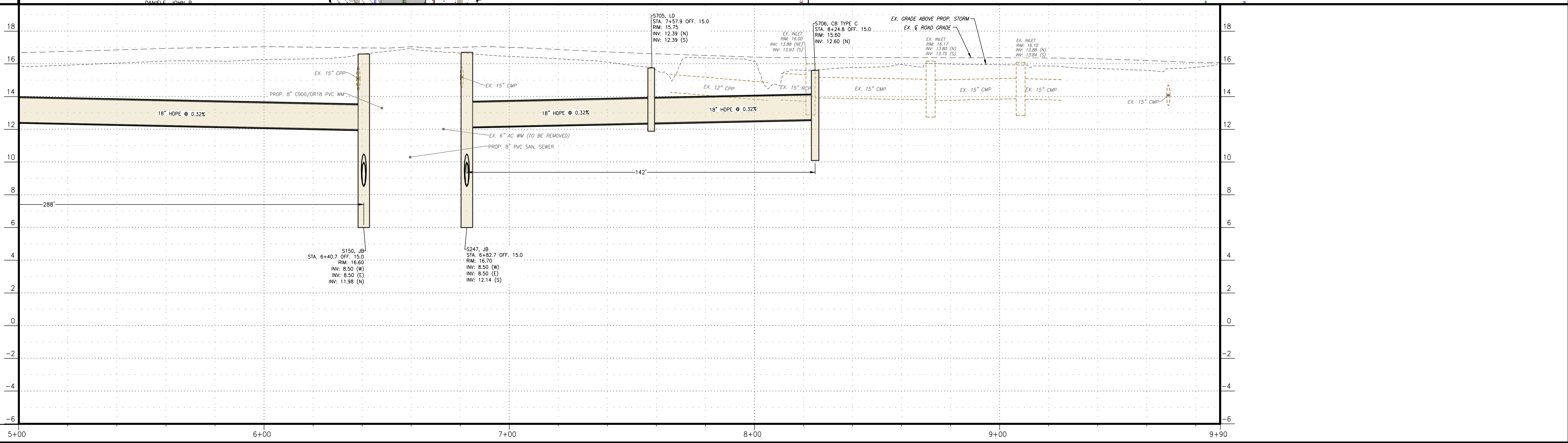
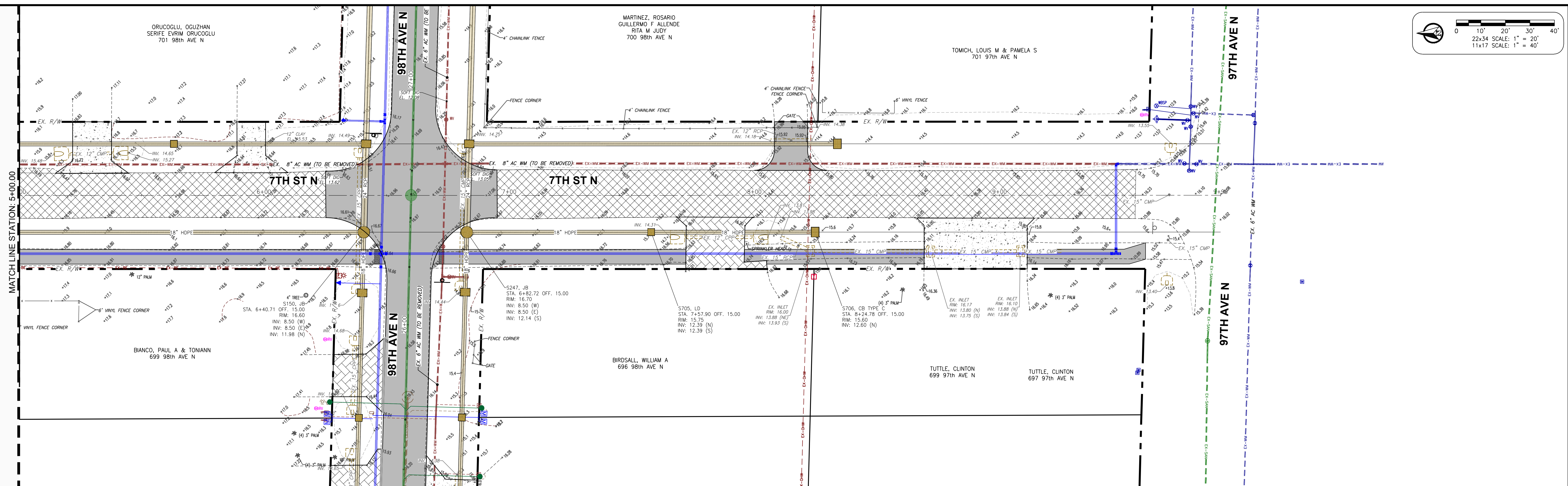
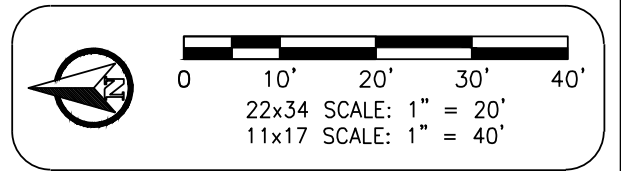
**7TH ST. N. - WEST DRAINAGE PLAN & PROFILE**  
 STA. 0+00.00 TO 5+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
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MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 70 OF 99

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

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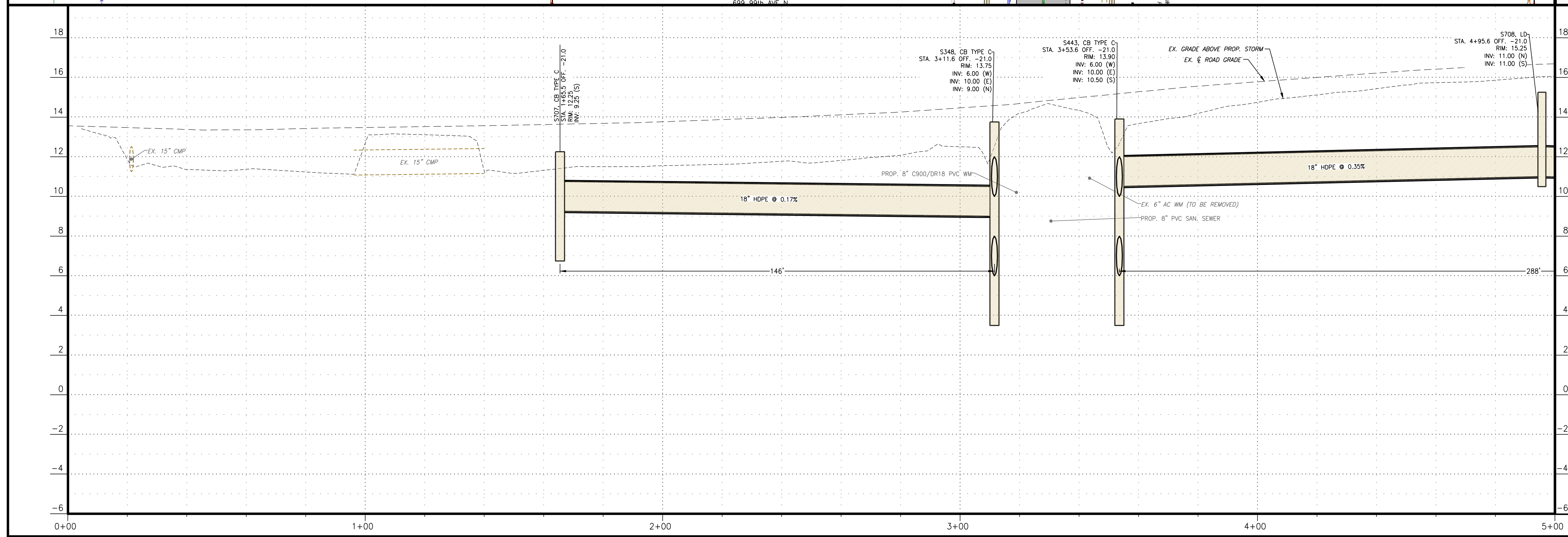
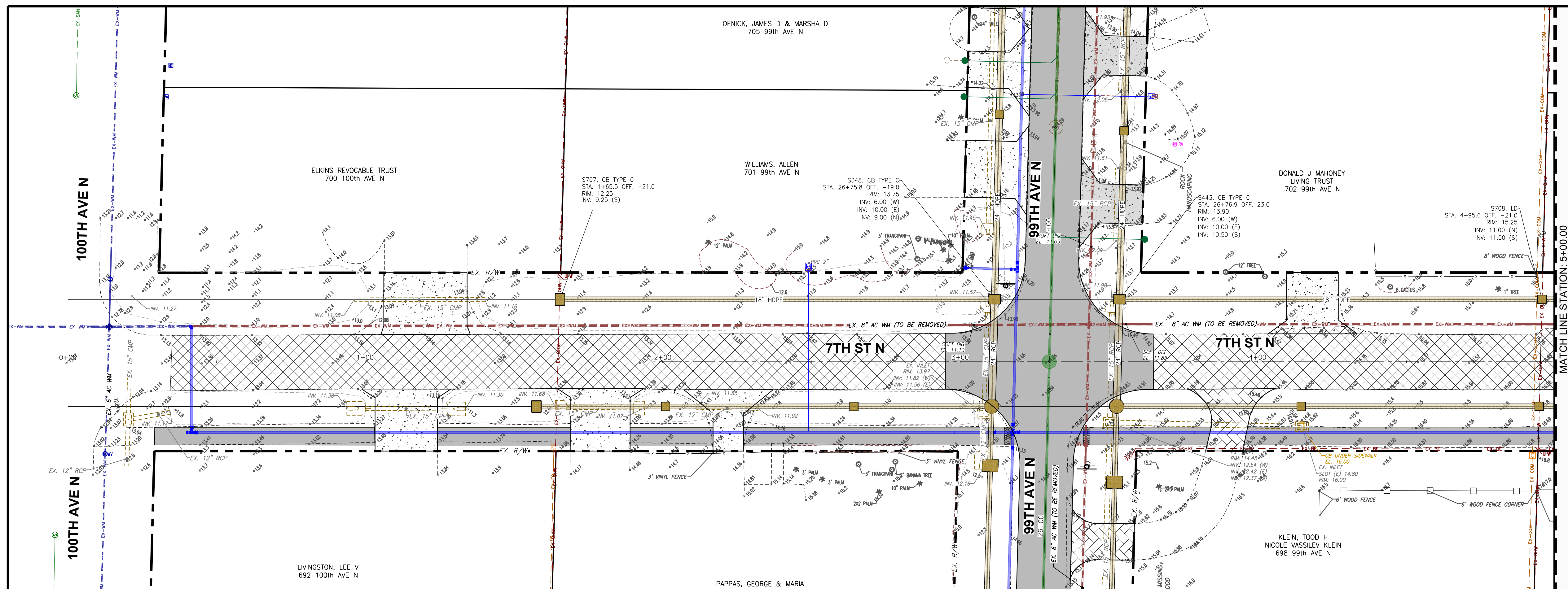
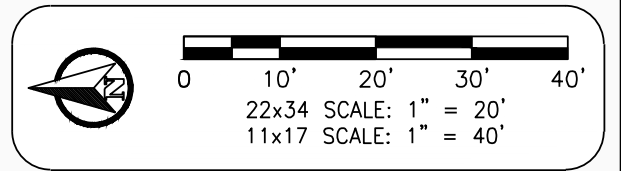
**98th & 99th Avenue North - Public Utilities Renewal**  
 7TH ST. N. - WEST DRAINAGE PLAN & PROFILE  
 STA.5+00.00 TO 9+90.00

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 SHEET 71 OF 99

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

C:\ENGINEERING\PROJ-ENG\CCU285\SUBMITTAL TYPE\CONSTRUCTION PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE E&P 4/21/2023 12:29 PM



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 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
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**98th & 99th Avenue North - Public Utilities Renewal**

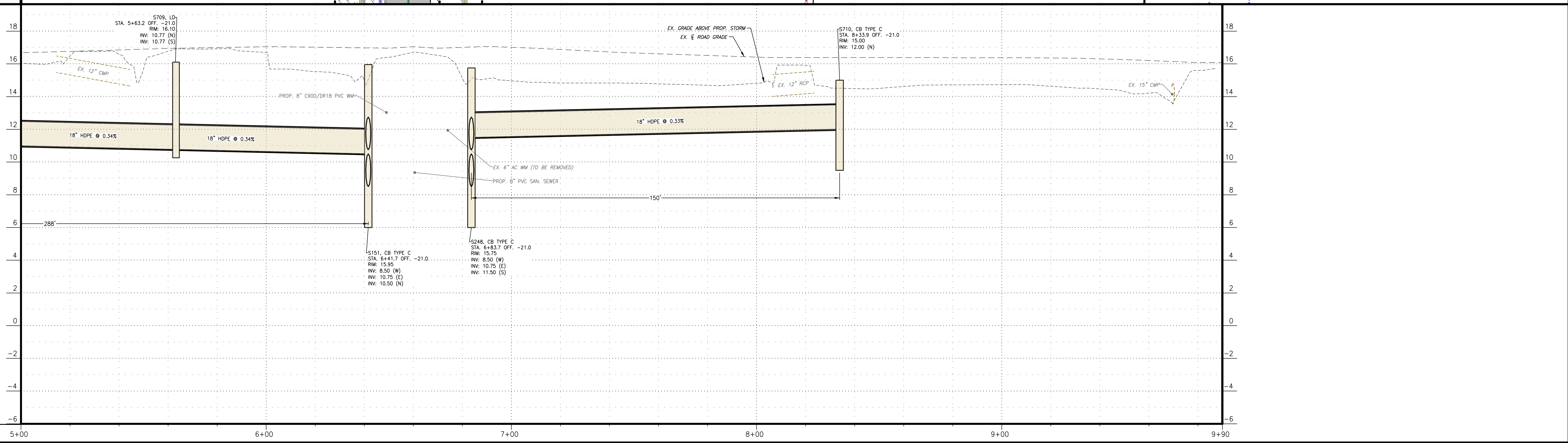
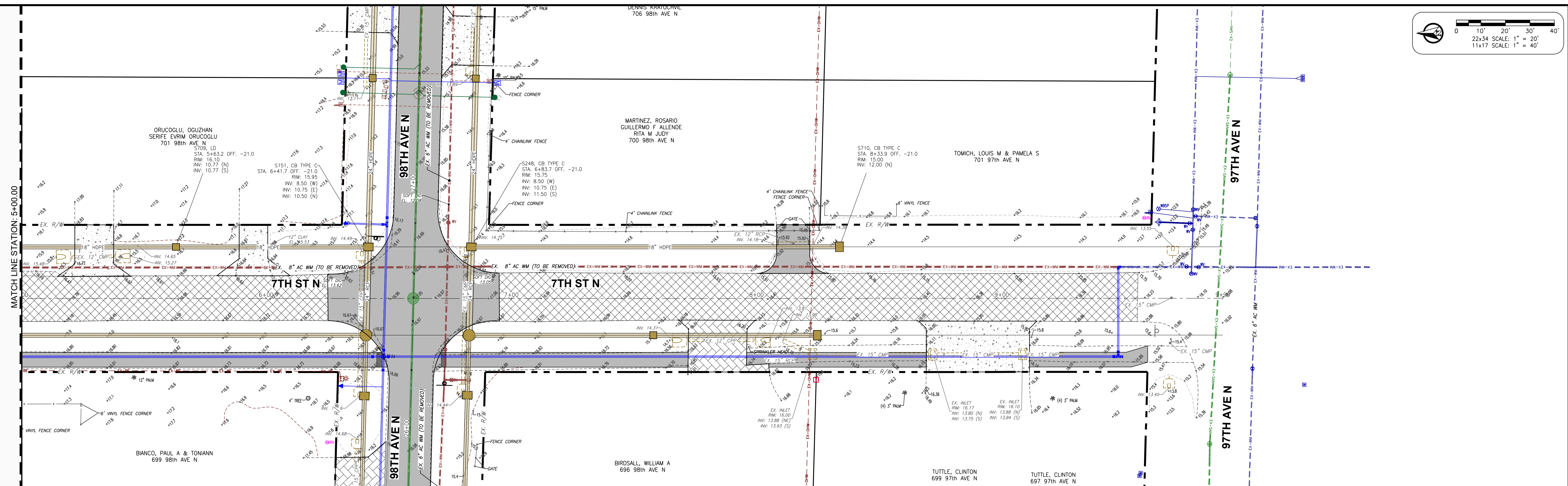
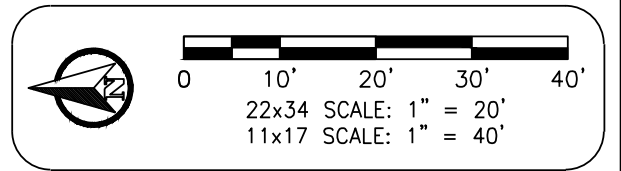
**7TH ST. N. - EAST DRAINAGE PLAN & PROFILE**  
 STA. 0+00.00 TO 5+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 72 OF 99

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

C:\ENGINEERING\PROJ-ENG\CCU285\01DWGS\SUBMITTAL\TYPE\CONSTRUCTION PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE E&P 4/21/2023 12:30 PM



REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'

11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

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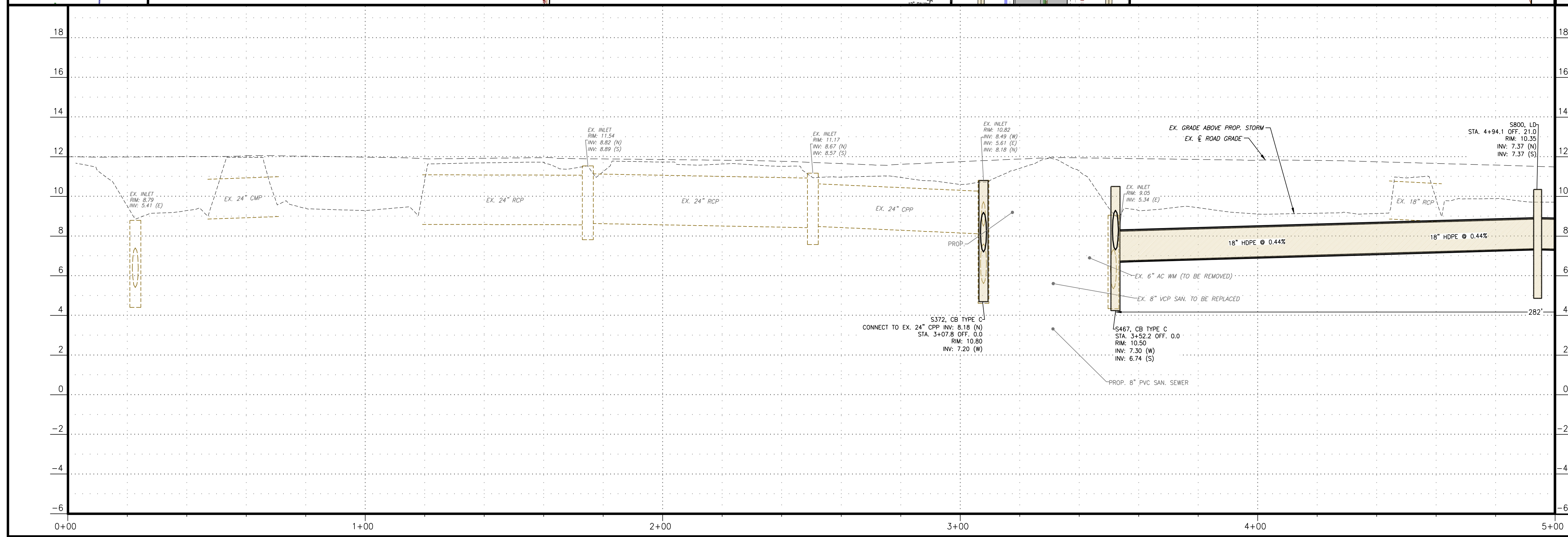
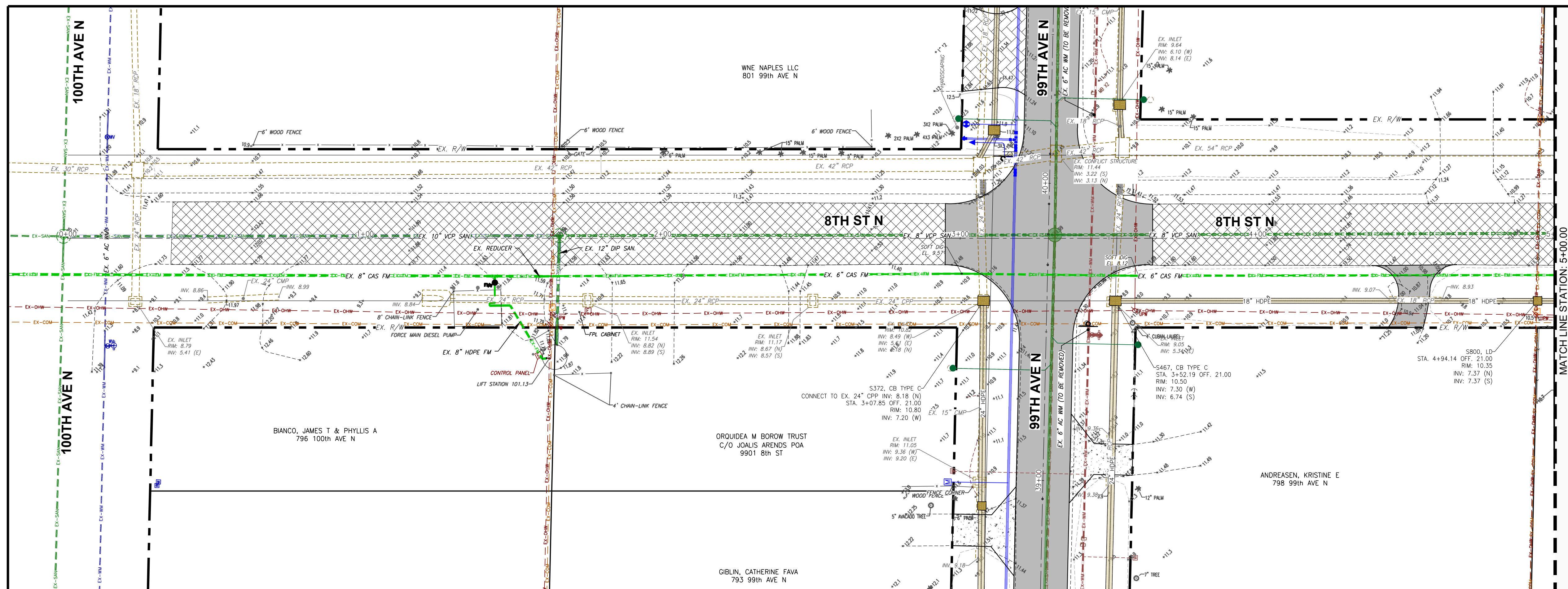
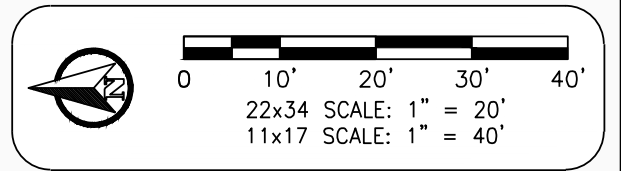
**98th & 99th Avenue North - Public Utilities Renewal**  
 7TH ST. N. - EAST DRAINAGE PLAN & PROFILE  
 STA. 5+00.00 TO 9+90.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 73 OF 99

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

C:\ENGINEERING\PROJ-ENG\CCU285\SUBMITTAL TYPE\CONSTRUCTION PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE E&P 4/21/2023 12:32 PM



REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'

11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

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 3800 Via Del Rey  
 Bonita Springs, Florida 34134

**98th & 99th Avenue North - Public Utilities Renewal**

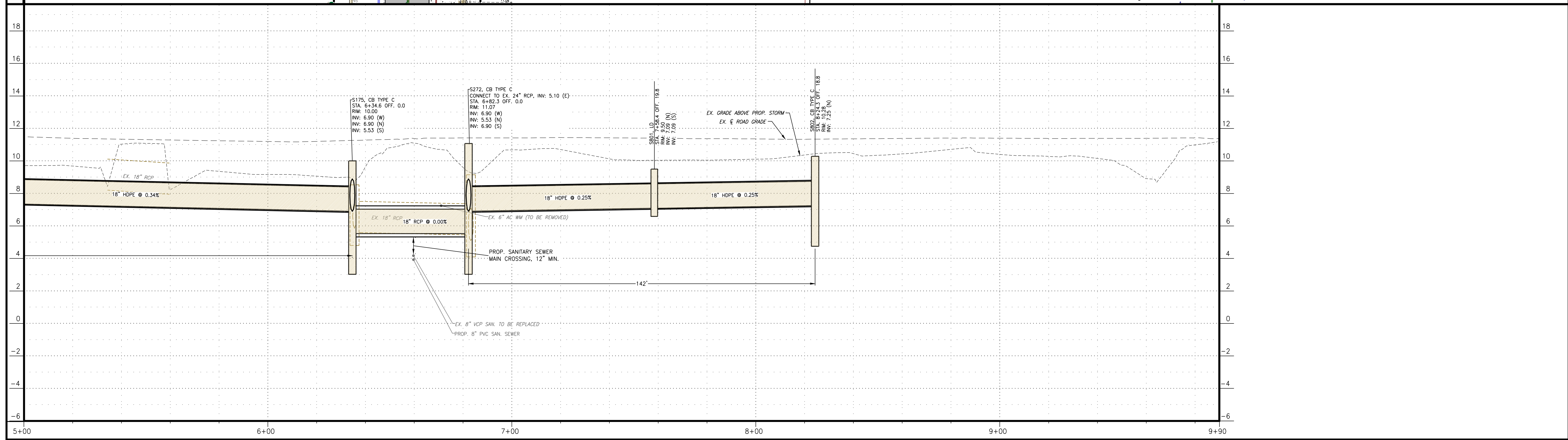
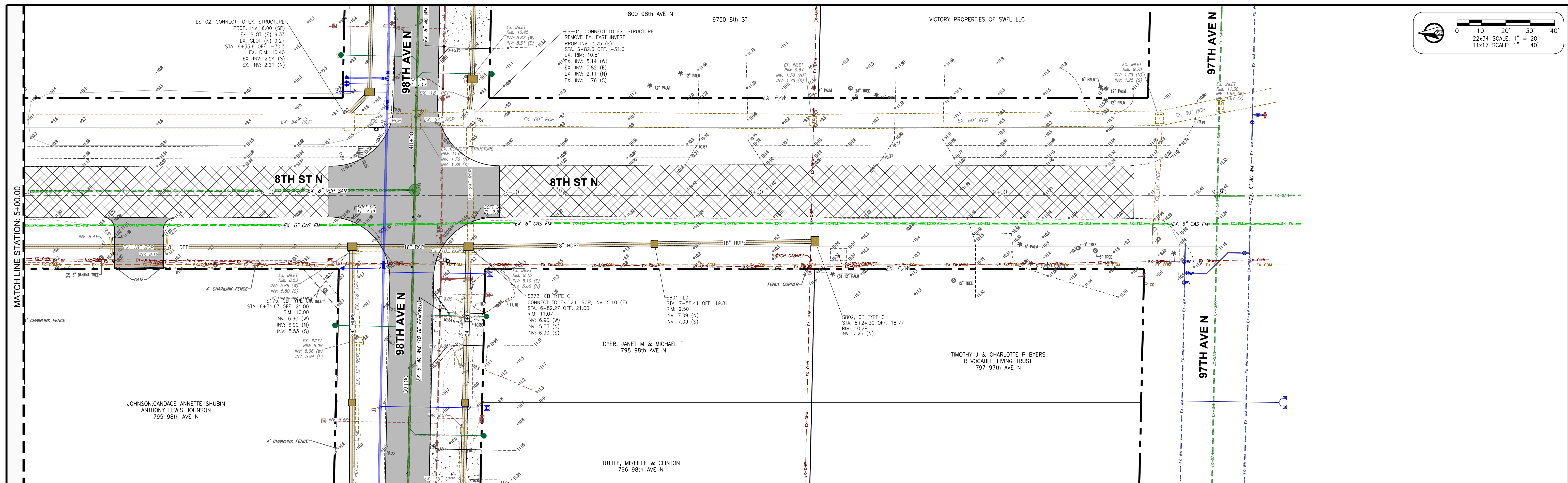
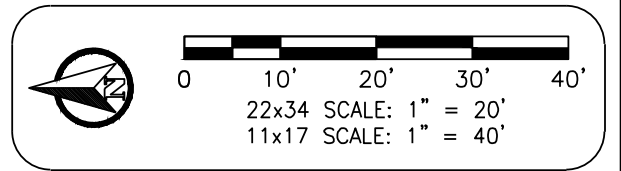
**8TH ST. N. - WEST DRAINAGE PLAN & PROFILE**  
 STA. 0+00.00 TO 5+00.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 74 OF 99

JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66066

C:\ENGINEERING\PROJ-ENG\CCU285\SUBMITTAL TYPE\CONSTRUCTION PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE E&P 4/21/2023 12:53 PM



REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'  
 11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

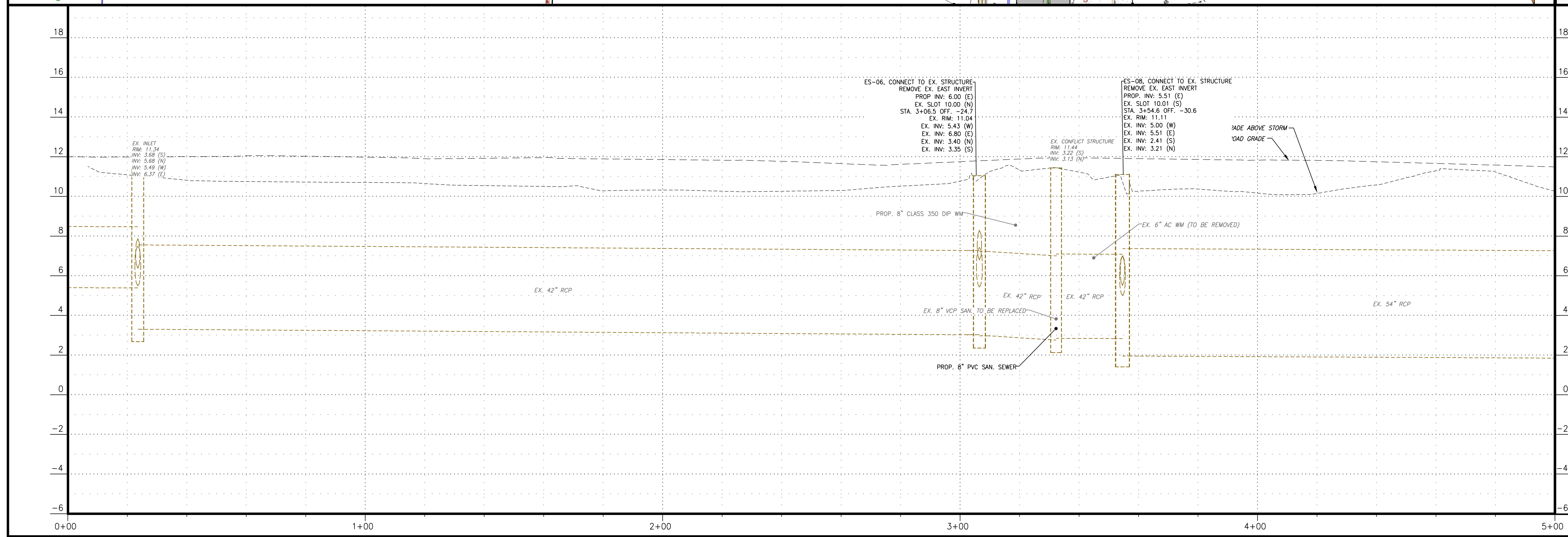
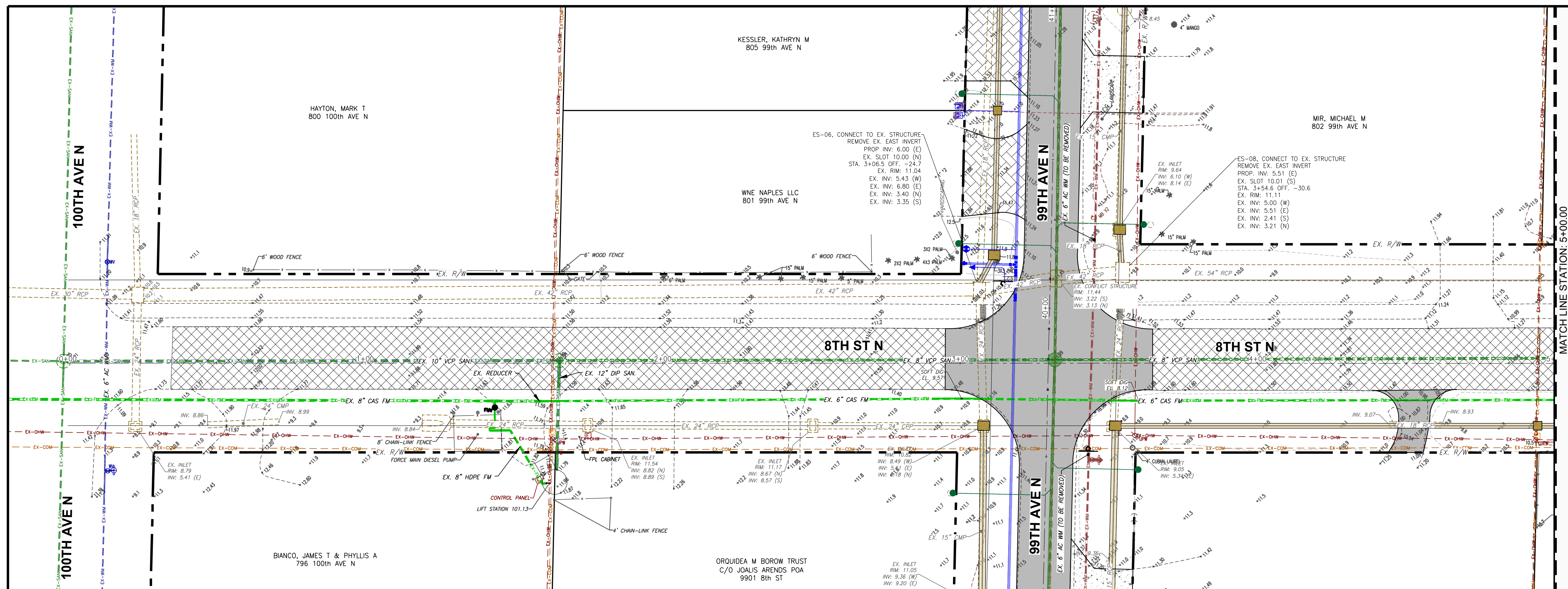
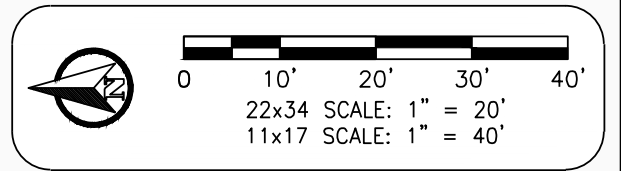
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**98th & 99th Avenue North - Public Utilities Renewal**  
 8TH ST. N. - WEST DRAINAGE PLAN & PROFILE  
 STA. 5+00.00 TO 9+90.00

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY
SEC/TWN/RGE: 28/48/25
DATE: MARCH, 2022
SUBMITTAL TYPE: BID
SHEET 75 OF 99

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285  
 22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'  
 11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

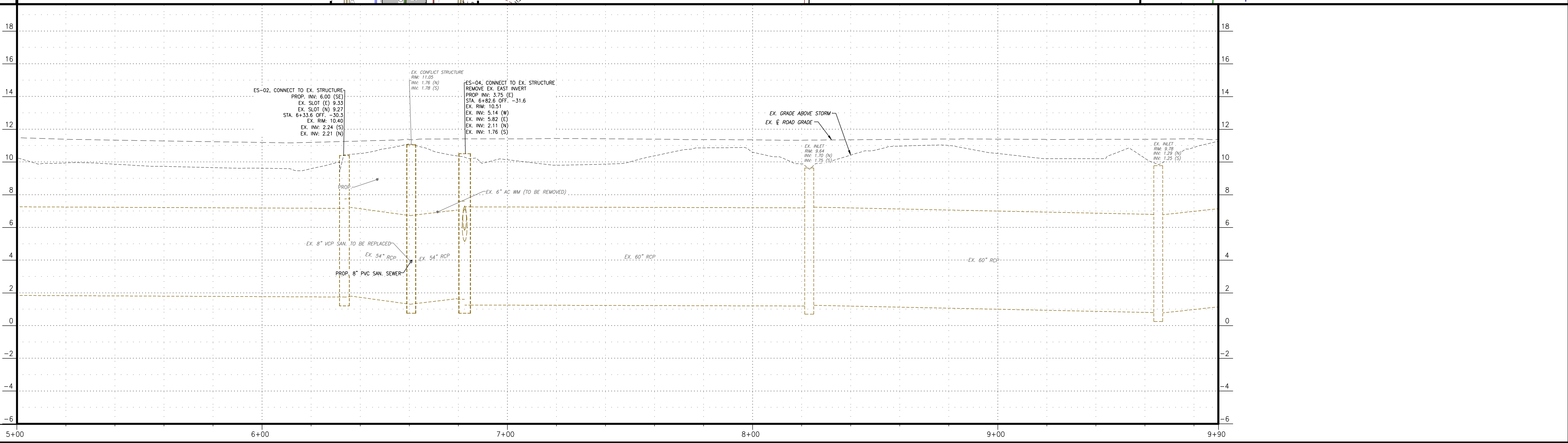
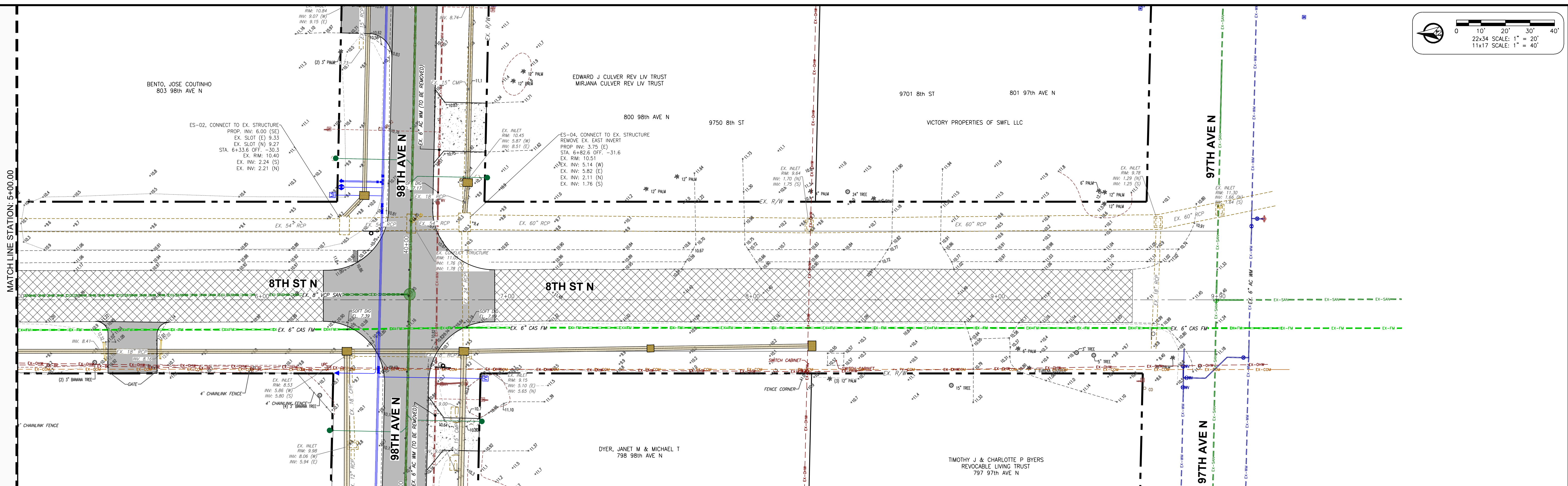
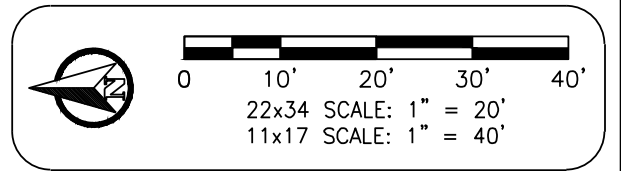
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**98th & 99th Avenue North - Public Utilities Renewal**  
**8TH ST. N. - EAST DRAINAGE PLAN & PROFILE**  
**STA. 0+00.00 TO 5+00.00**  
 ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 76 OF 99  
 JUSTIN A. FREDERIKSEN, P.E.  
 FLORIDA P.E. LICENSE NO. 66086

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285

22X34 SCALE:  
 VERTICAL 1" = 6'  
 HORIZONTAL 1" = 40'  
 11X17 SCALE:  
 VERTICAL 1" = 3'  
 HORIZONTAL 1" = 20'

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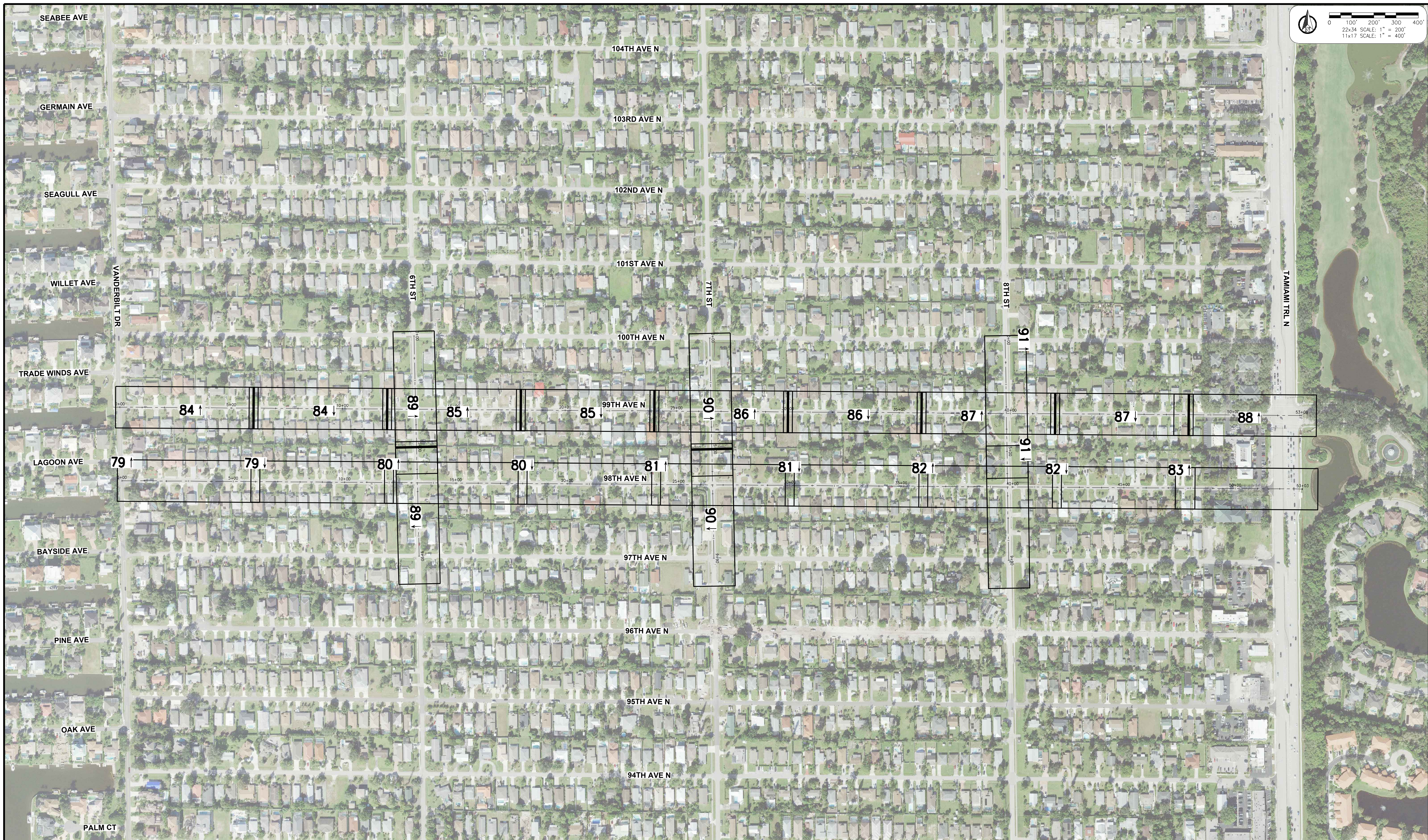
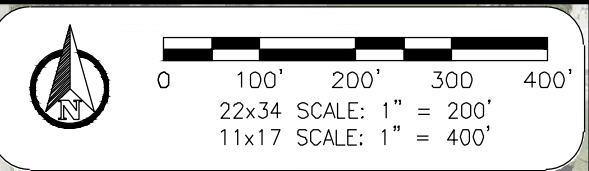
**98th & 99th Avenue North - Public Utilities Renewal**  
**8TH ST. N. - EAST DRAINAGE PLAN & PROFILE**  
**STA. 5+00.00 TO 9+90.00**

ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 77 OF 99

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

C:\ENGINEERING\PROJ-ENG\CCU285\01DWGS\SUBMITTAL\CONSTRUCTION PLANS\98TH & 99TH\CCU285\_98TH-99TH - DRAINAGE E&P 4/21/2023 12:37 PM



REVISION	DATE	DESCRIPTION	BY

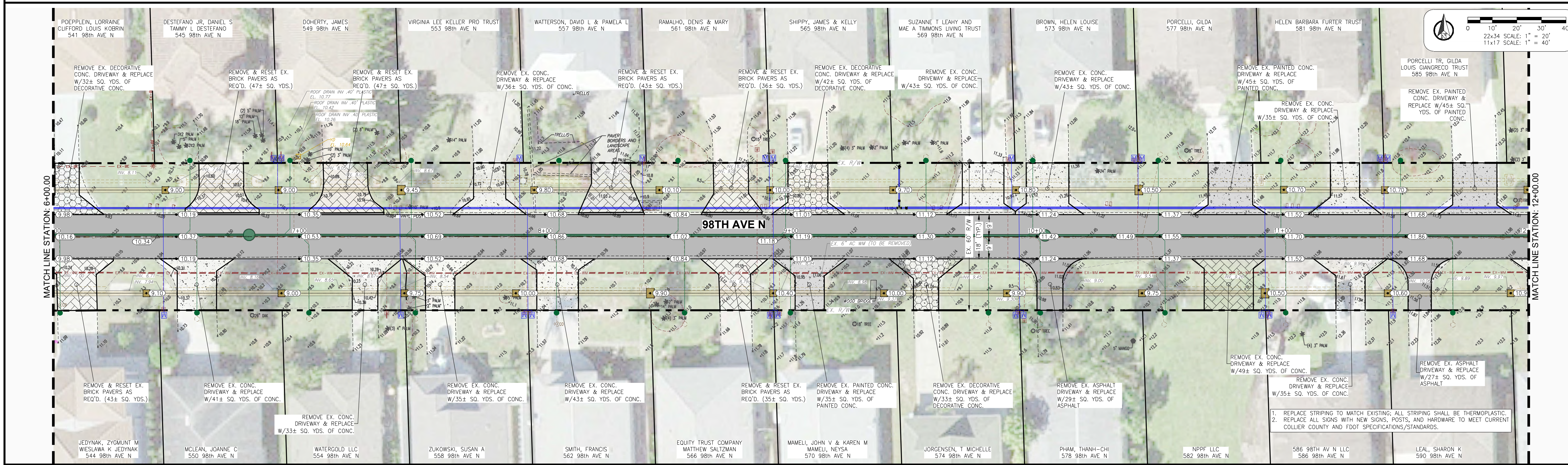
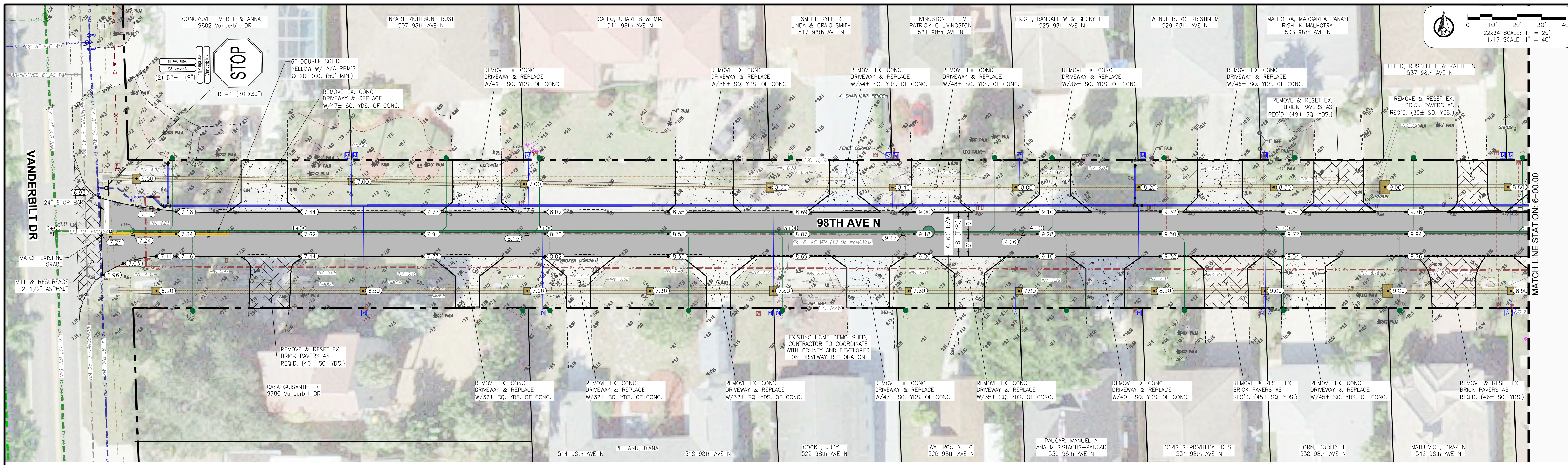
DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285  
 22X34 SCALE: 1" = 200'  
 11X17 SCALE: 1" = 400'

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**98th & 99th Avenue North - Public Utilities Renewal**  
**INDEX SHEET - GRADING AND PAVING IMPROVEMENTS**  
 ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY
SEC/TWN/RGE: 28/48/25
DATE: MARCH, 2022
SUBMITTAL TYPE: BID
SHEET 78 OF 99

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REVISION	DATE	DESCRIPTION

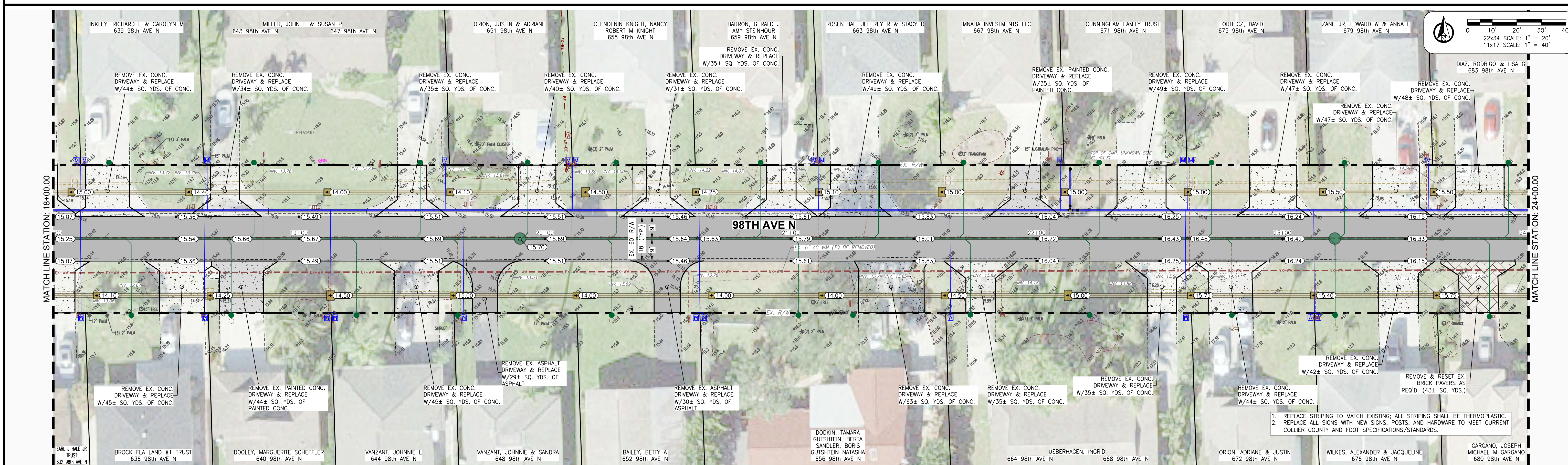
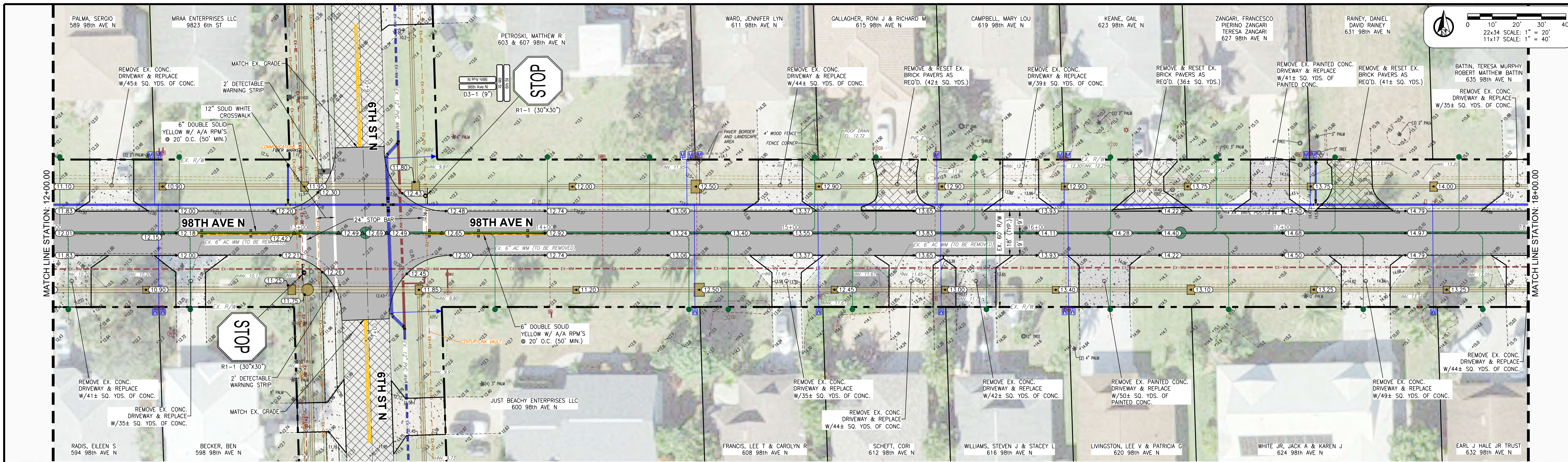
DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285  
 22X34 SCALE: 1" = 30'  
 11X17 SCALE: 1" = 60'

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

**98TH & 99TH AVENUE NORTH - PUBLIC UTILITIES RENEWAL**  
 O. Grady Minor and Associates, P.A.  
 3800 Via Del Rey  
 Bonita Springs, Florida 34134  
**98TH AVE. N. - GRADING AND PAVING PLAN**  
 STA. 0+00.00 TO 12+00.00  
 ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY:	COLLIER COUNTY
SEC/TWN/RGE:	28/48/25
DATE:	MARCH, 2022
SUBMITTAL TYPE:	BID
SHEET	79 OF 99

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REVISION	DATE	DESCRIPTION	BY

DESIGNED BY: J.N.D.  
 DRAWN BY: R.A.K.  
 APPROVED: J.A.F.  
 JOB CODE: CCU285  
 22X34 SCALE: 1" = 30'  
 11X17 SCALE: 1" = 60'

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**98TH & 99TH AVENUE NORTH - PUBLIC UTILITIES RENEWAL**  
 98TH AVE. N. - GRADING AND PAVING PLAN  
 STA. 12+00.00 TO 24+00.00  
 ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD '29)  
 CONVERSION FACTOR TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88) IS (-) 1.237

MUNICIPALITY: COLLIER COUNTY  
 SEC/TWN/RGE: 28/48/25  
 DATE: MARCH, 2022  
 SUBMITTAL TYPE: BID  
 SHEET 80 OF 99

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