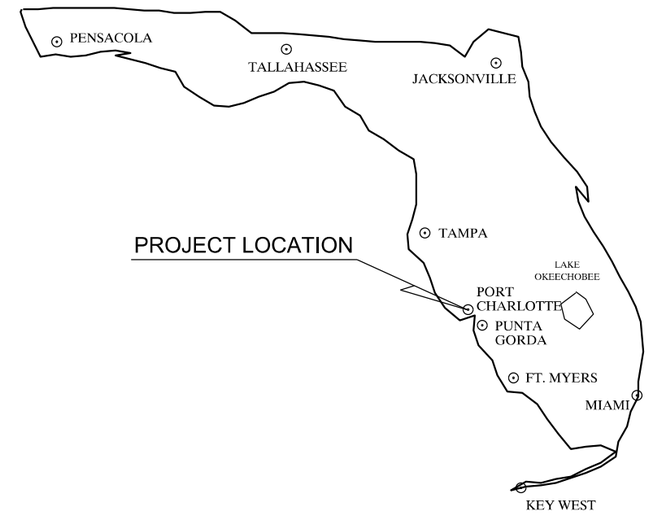
CHARLOTTE COUNTY PUBLIC WORKS
ENGINEERING DIVISION

PLANS OF PROPOSED

Flamingo Blvd. / Edgewater Dr. Widening Improvements

ROADWAY PLANS

Phase V: Royalview Dr. to Collingswood Blvd.



CONTRACT PLANS COMPONENTS

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- LIGTHING PLANS
- LANDSCAPE PLANS
- STRUCTURE PLANS
- UTILITY PLANS

SHEET INDEX

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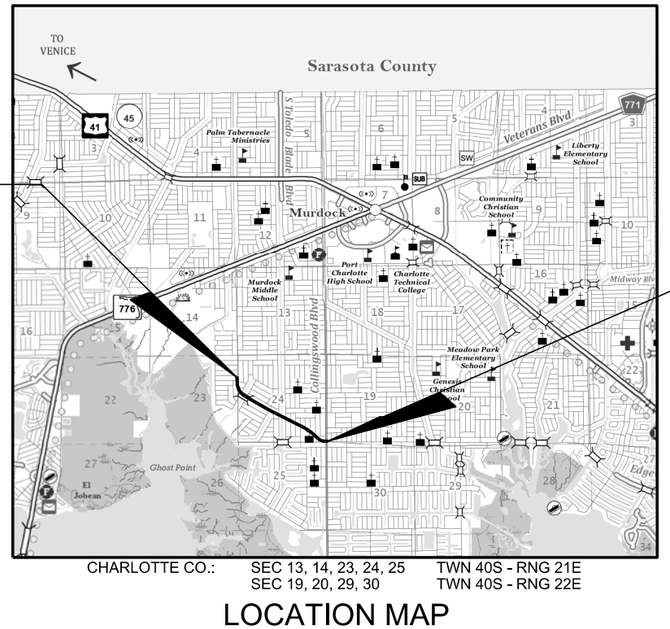
G-1	ROADWAY SOILS SURVEY
CTL-1 - CTL-3	PROJECT CONTROL

BEGIN PROJECT
STA. 100+17.83



END PROJECT
STA. 240+20.00

NTS

CHARLOTTE CO.: SEC 13, 14, 23, 24, 25 TWN 40S - RNG 21E
SEC 19, 20, 29, 30 TWN 40S - RNG 22E

LOCATION MAP

CHARLOTTE COUNTY
BOARD OF COUNTY COMMISSIONERS

DISTRICT 1 - KEN DOHERTY
DISTRICT 2 - CHRISTOPHER CONSTANCE
DISTRICT 3 - BILL TRUEX
DISTRICT 4 - STEPHEN R. DEUTSCH
DISTRICT 5 - JOE TISEO

DIRECTOR OF PUBLIC WORKS - JOHN ELIAS

COUNTY ENGINEER - JOANNE VERNON, P.E.

CHARLOTTE COUNTY
PUBLIC WORKS
ENGINEERING
410 TAYLOR STREET, UNIT 104
PUNTA GORDA, FLORIDA 33950
(941) 575-3600

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

100% PLAN SUBMITTAL

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2024-25 Standard Plans
for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs: IR___-___-__

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

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

JOHNSON ENGINEERING — An Apex Company —

Johnson Engineering, LLC
17833 Murdock Circle
Port Charlotte, Florida 33948
Certificate of Authorizaton No. 642

48 HOURS BEFORE DIGGING
" CALL SUNSHINE "
1-800-432-4770

ENGINEERING CERTIFICATION

I HEREBY CERTIFY THAT THE DESIGN OF THIS PROJECT UNDER MY DIRECTION COMPLIES WITH THE CURRENT MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS AS ADOPTED BY THE F.D.O.T. PURSUANT TO SUBSECTION 336.045 OF THE FLORIDA STATUTES.

DATE

RYAN K. BELL, P.E. NO. 60010

PROJ. NO. 20225022-00R
SHEET 1

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RYAN K. BELL
LICENSE
No 60010
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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THE SIGNATURE MUST BE VERIFIED
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JOHNSON ENGINEERING, INC.,
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
RYAN K. BELL, P.E. NO. 60010

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

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G-1	ROADWAY SOILS SURVEY
CTL-1-CTL-3	PROJECT CONTROL

RICHARD G. DANIELS
CERTIFICATE
No 7229
STATE OF
FLORIDA
Professional Surveyor and Mapper

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JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
RICHARD G. DANIELS, P.S.M.

THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE
FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 5J-17.062, F.A.C.

CTL-1 - CTL-3 PROJECT CONTROL SURVEY

EDWARD P. LOMSKI, JR.
LICENSE
No 62507
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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LOMSKI ENGINEERING & TESTING
17210 TOLEDO BLADE BLVD
PROT CHARLOTTE, FL 33954
EDWARD P. LOMSKI, JR., P.E. NO. 62507

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

G-1 ROADWAY SOILS SURVEY

SUMMARY OF PAY ITEMS

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY
101 1	MOBILIZATION	LS	1
101 B	AS-BUILT SURVEY	LS	1
101 C NGS	RESET CONTROL POINT, NATIONAL GEODETIC SURVEY (NGS)	EA	2
102 1	MAINTENANCE OF TRAFFIC	LS	1
104 10 3	SEDIMENT BARRIERS - SILT FENCE	LF	31,964
104 11	FLOATING TURBIDITY BARRIER	LF	1,401
110 1 1	CLEARING & GRUBBING	LS	1
120 1	EXCAVATION REGULAR	CY	516,305
120 6	EMBANKMENT	CY	53,866
160 4	TYPE B STABILIZATION (LBR 70)	SY	94,939
285 706	OPTIONAL BASE, BASE GROUP 06	SY	9,983
285 709	OPTIONAL BASE, BASE GROUP 09	SY	53,465
327 70 6	MILLING EXIST ASPH PAVT, 1.5" AVG DEPTH	SY	28,423
331 2A	TYPE S-I ASPHALT CONCRETE, 3"	TN	8,543.2
	TYPE S-I ASPHALT CONCRETE, 1.5"	TN	7,561.1
331 2B	TYPE S-III ASPHALT CONCRETE, 1.5"	TN	215.6
350 30 13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 10" DEPTH	SY	256
425 1 351	INLETS, CURB, TYPE P-5, <10'	EA	6
425 1 355	INLETS, CURB, TYPE P-5, PARTIAL (TOP ONLY)	EA	4
425 1 451	INLETS, CURB, TYPE J-5, <10'	EA	2
425 1 521	INLETS, DT BOT, TYPE C, <10'	EA	1
426 1 523	INLETS, DT BOT, TYPE C, J BOT, <10'	EA	4
425 1 541	INLETS, DT BOT, TYPE D, <10'	EA	5
425 1 543	INLETS, DT BOT, TYPE D, J BOT, <10'	EA	1
425 1 581	INLETS, DT BOT, TYPE H	EA	4
425 1 583	INLETS, DT BOT, TYPE H, J BOT, <10'	EA	1
425 1 589	INLETS, DT BOT, TYPE H, MODIFY	EA	5
430 94 1	DESILTING PIPE, 0 - 24"	LF	386
430 94 2	DESILTING PIPE, 24 - 36"	LF	2,420
430 94 3	DESILTING PIPE, 37 - 48"	LF	288
430 518 100	STRAIGHT CONCRETE ENDWALLS, 18", SINGLE, 0 DEGREES, ROUND	EA	3
430 524 100	STRAIGHT CONCRETE ENDWALLS, 24", SINGLE, 0 DEGREES, ROUND	EA	2
430 536 100	STRAIGHT CONCRETE ENDWALLS, 36", SINGLE, 0 DEGREES, ROUND	EA	9
430 542 100	STRAIGHT CONCRETE ENDWALLS, 42", SINGLE, 0 DEGREES, ROUND	EA	5
430 548 100	STRAIGHT CONCRETE ENDWALLS, 48", SINGLE, 0 DEGREES, ROUND	EA	1
430 530 200	STRAIGHT CONCRETE ENDWALLS, 30", DOUBLE, 0 DEGREES, ROUND	EA	1
431 530 200	STRAIGHT CONCRETE ENDWALLS, 36", DOUBLE, 0 DEGREES, ROUND	EA	3
430 542 200	STRAIGHT CONCRETE ENDWALLS, 42", DOUBLE, 0 DEGREES, ROUND	EA	1
430 175 118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	LF	333
430 175 124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	LF	313
430 175 130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	LF	597
430 175 136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	LF	1,851
430 175 142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	LF	773
430 175 148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	LF	180
520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	18,040
520 2 4	CONCRETE CURB, TYPE D	LF	261
520 2 8	CONCRETE CURB, TYPE RA	LF	317
520 5 41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	1,771
520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	333
522 1	CONCRETE SIDEWALK, 4" THICK	SY	15,602
522 2	CONCRETE SIDEWALK, DRIVEWAYS, AND MEDIAN NOSES 6" THICK	SY	183
523 3	PATTERNED PAVEMENT	SY	169
530 3 4	RIPRAP, RUBBLE, F&I, DITCH LINING	SY	212
570 1 2	PERFORMANCE TURF, SOD	SY	127,935

PAY ITEM NOTES

101 C XXX	SEE SPECIFICATIONS FOR REQUIREMENTS TO RESET EXISTING SURVEY CONTROL.
102 1	ALL COSTS FOR PCMS SIGNS AND IMPLEMENTATION OF THE ADVANCE WARNING PLAN AND NECESSARY MAINTENANCE OF TRAFFIC SHALL BE INHERENT TO THIS ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A DETAILED MOT PLAN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA IF NOT UTILIZING A FDOT STANDARD PLAN FROM INDEX 102-600 SERIES. ALL COST ASSOCIATED WITH PRODUCING, IMPLEMENTING AND MAINTAINING THE MOT PLAN SHALL BE INHERENT TO THIS PAY ITEM. THE MOT PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
107 2 A	MOWING FREQUENCY ASSUMES CONSTRUCTION DURATION OF 18 MONTHS WITH 1 MOWING CYCLE PER MONTH. NO PAYMENT WILL BE MADE FOR UNUSED QUANTITY. COST OF LITTER REMOVAL TO BE INCLUDED IN COST OF MOWING. LUMP SUM COST INCLUDES ALL MOWING AND LITTER REMOVAL FOR ENTIRE PROJECT.
110 1 1	CLEARING AND GRUBBING SHALL INCLUDE, BUT NOT BE LIMITED TO, THE REMOVAL OF ASPHALT, CONCRETE, SIDEWALK, CONCRETE CURB AND GUTTER, DRIVEWAYS, DRAINAGE STRUCTURES, DRAINAGE PIPES, CONDUIT, ROADWAY BASE, AND VEGETATION / TREES. ALL CLEARING AND GRUBBING DEBRIS SHALL BE REMOVED FROM JOB SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE COUNTY. NO ADDITIONAL PAYMENT WILL BE MADE FOR REMOVAL OF EXISTING CONCRETE.
425 2 XX	WHERE PROPOSED STRUCTURES CONNECT TO EXISTING PIPES, THE COST OF THE CONNECTION SHALL BE INHERENT TO THE COST OF THE STRUCTURE. THIS INCLUDES BUT IS NOT LIMITED TO SAW CUTTING EXISTING PIPE, PIPE REMOVAL, AND BRICK AND MORTAR CONNECTION.
430 175 XXX	WHERE PROPOSED PIPE IS TO CONNECT TO AN EXISTING STRUCTURE OR PIPE THE COST OF THE CONNECTION SHALL BE INHERENT TO THE COST OF PIPE. THIS INCLUDES CONCRETE COLLARS, MODIFICATION OF EXISTING STRUCTURES AND BRICK AND MORTAR.
520 1 10	DROP CURB ADJACENT TO CURB RAMPS SHALL BE PAID AS PARENT CURB TYPE. ALL CURB TO BE PAID BASED ON FIELD MEASURED INSTALLED QUANTITY.
522 2	D CURB ON BACK OF SIDEWALK AT CURB RAMP LOCATIONS SHALL BE INHERENT TO THE COST OF SIDEWALK. TOTAL SY OF SIDEWALK INCLUDES SY OF D CURB. DROP CURB AT CURB RAMP LOCATIONS TO BE PAID AS PARENT CURB.
530 3 4	COST OF FILTER FABRIC INCLUDED IN THE COST OF RIPRAP. FABRIC SHALL BE TOED IN A MINIMUM OF 1' AT THE TOP AND BOTTOM OF THE SLOPE.
570 1 2	SHALL BE PAID BASED ON FIELD MEASURED INSTALLED QUANTITY FOR AREAS INTENDED TO BE DISTURBED BY THE PROPOSED IMPROVEMENTS. NO PAYMENT WILL BE MADE FOR SODDING AREAS OUTSIDE THE PROJECT AREA DISTURBED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY AREA DISTURBED OUTSIDE THE PROJECT AREA.

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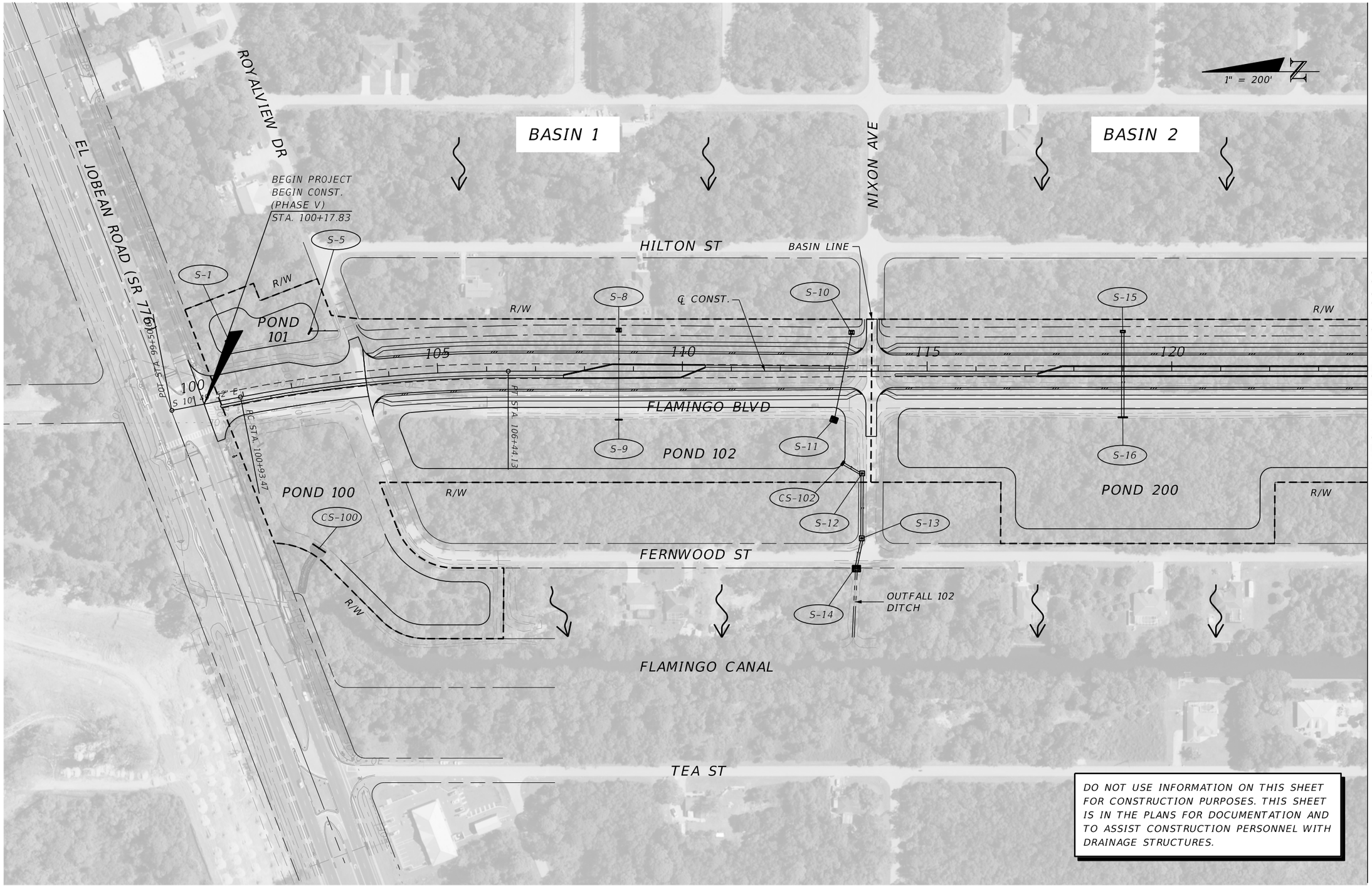

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

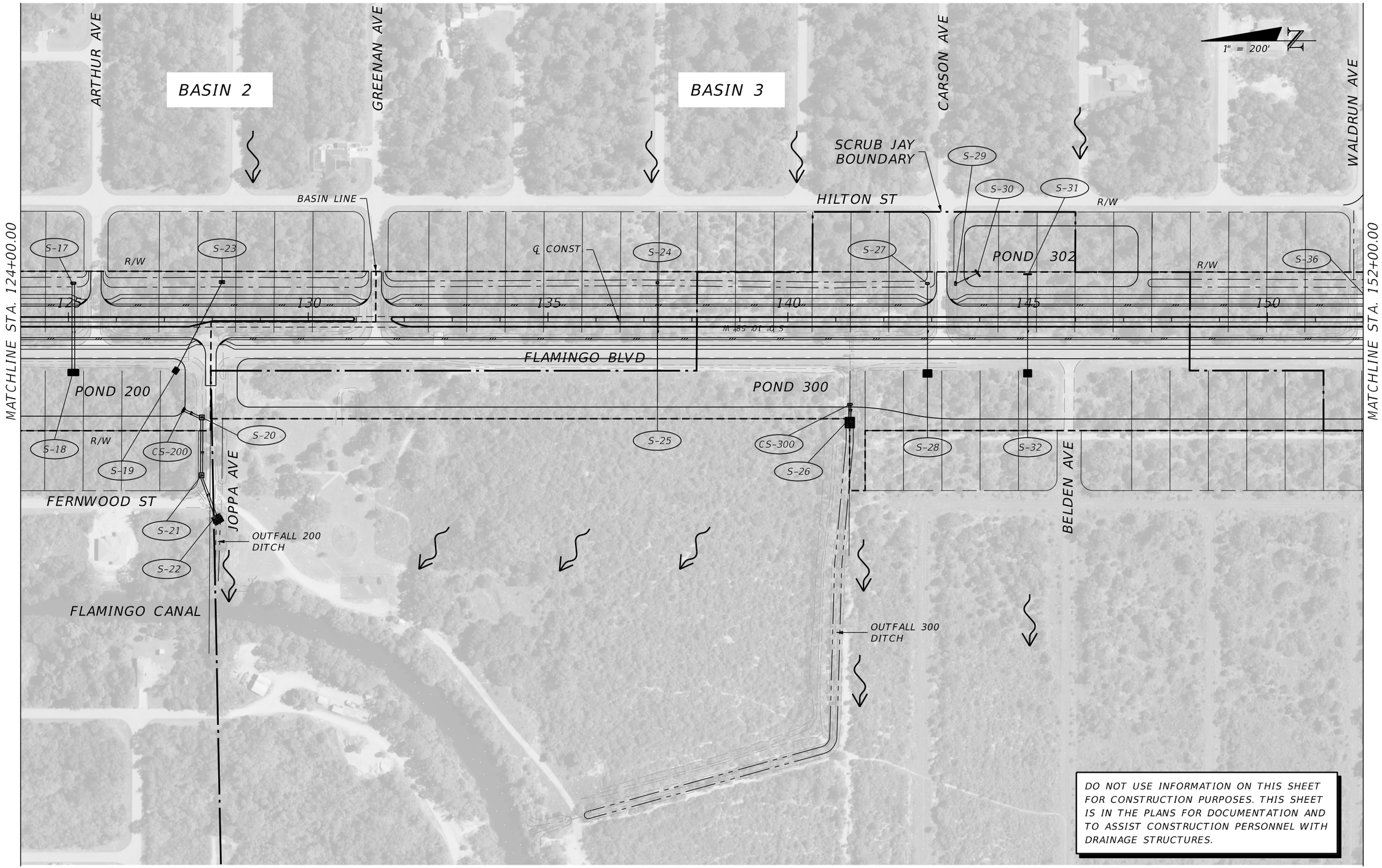
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE MAP

SHEET NO. 4



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FORT MYERS, FL 33901
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RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
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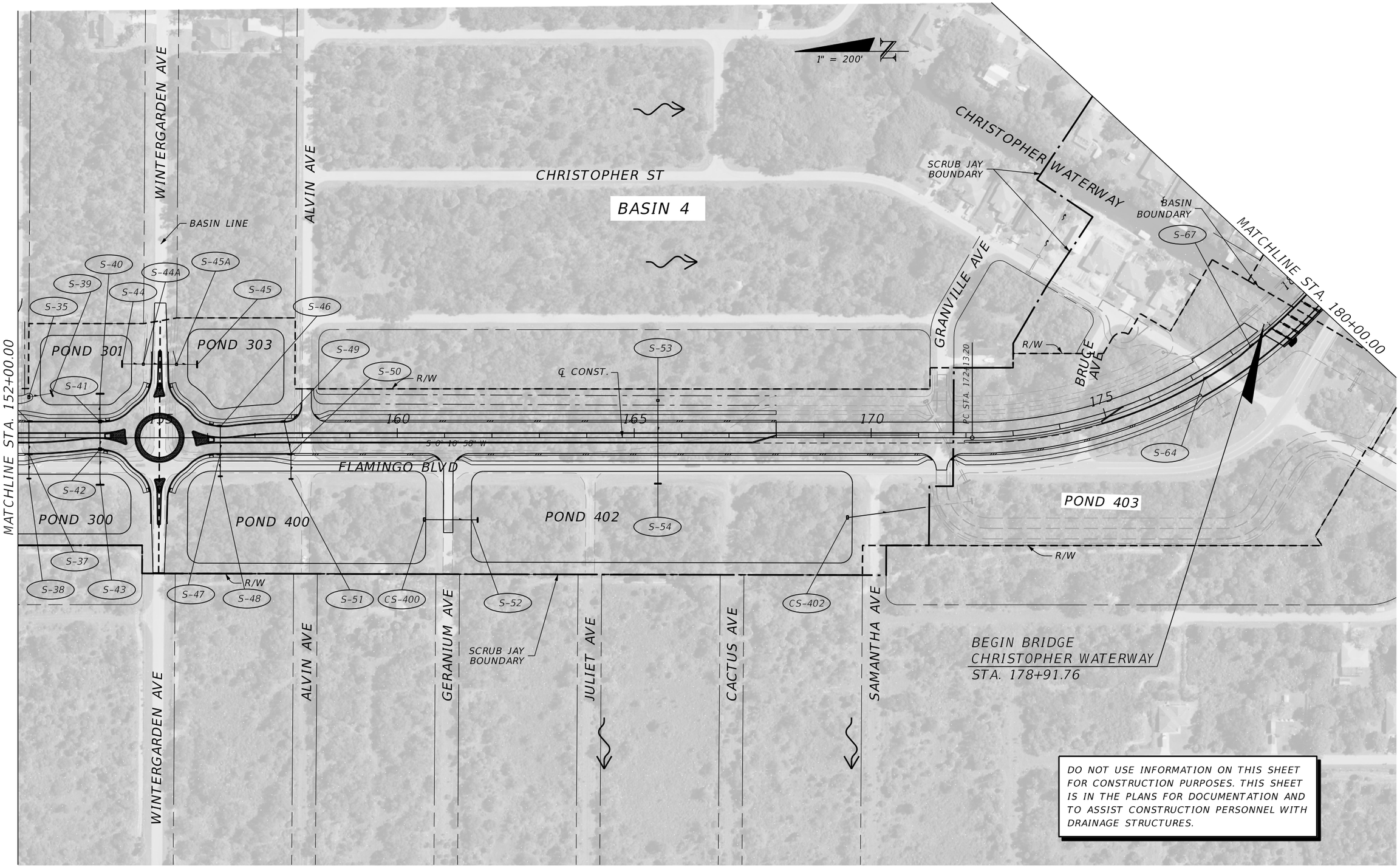
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE MAP

SHEET NO. 5



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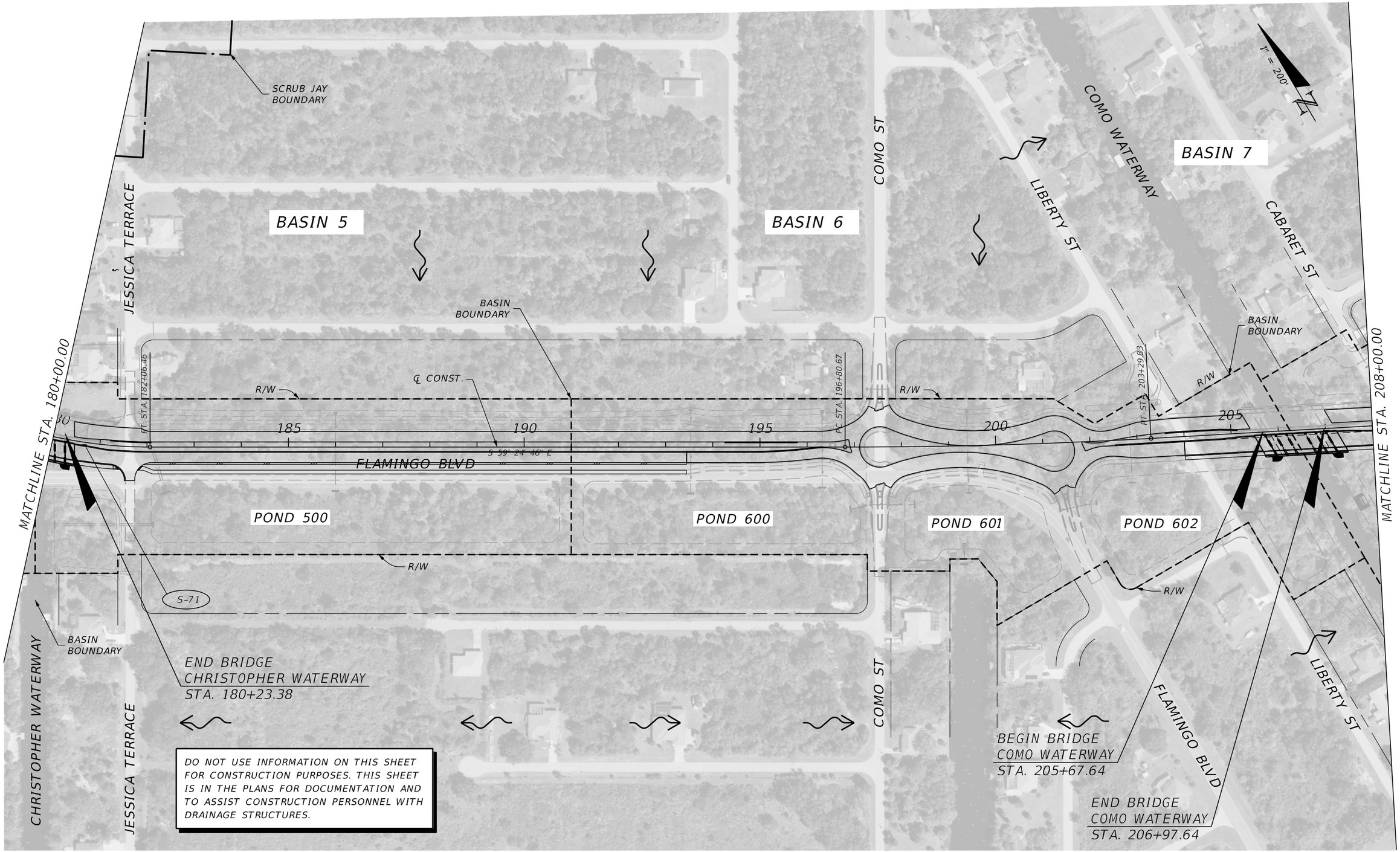
DRAINAGE MAP

SHEET NO. 6



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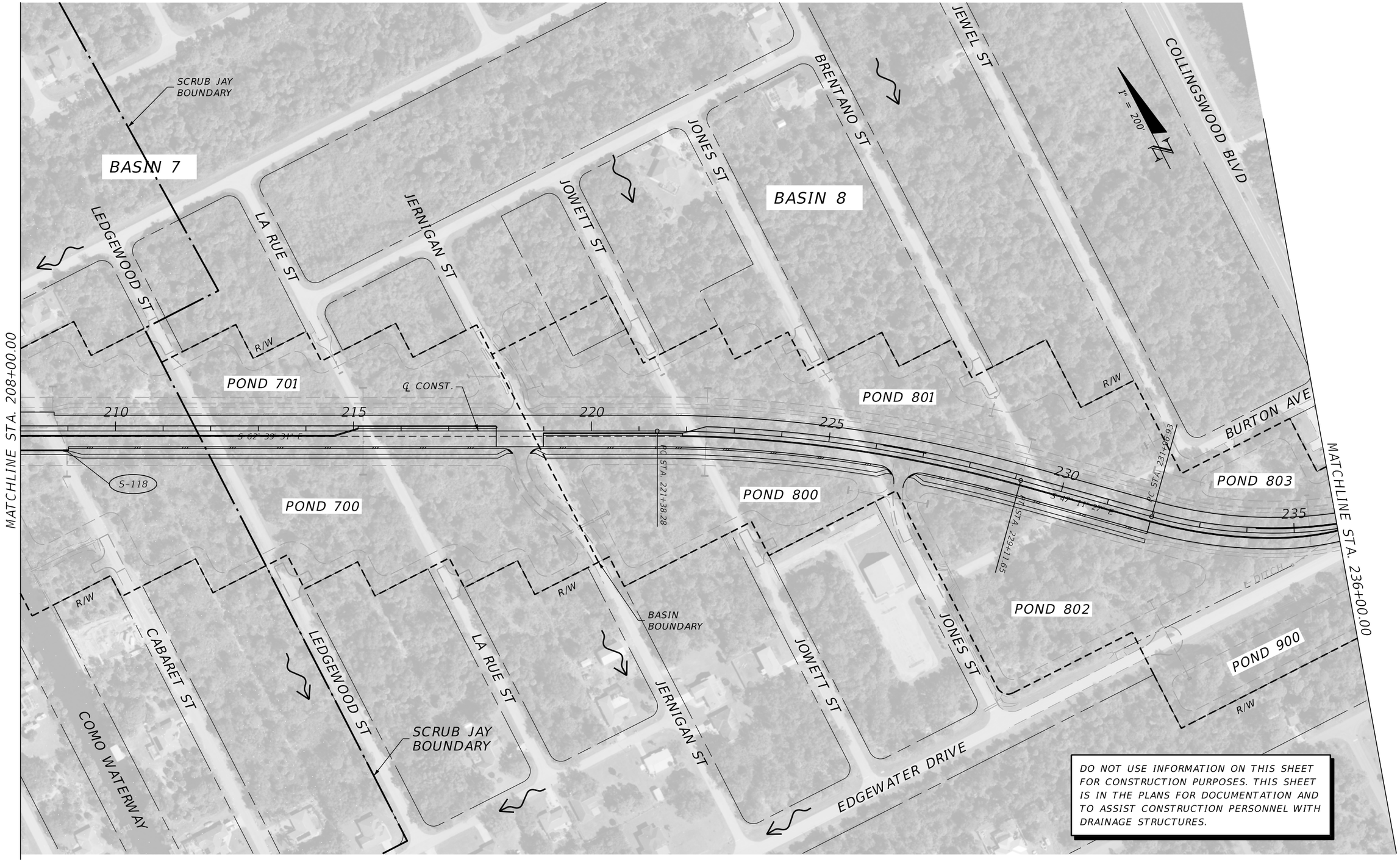
DRAINAGE MAP

SHEET NO. 7



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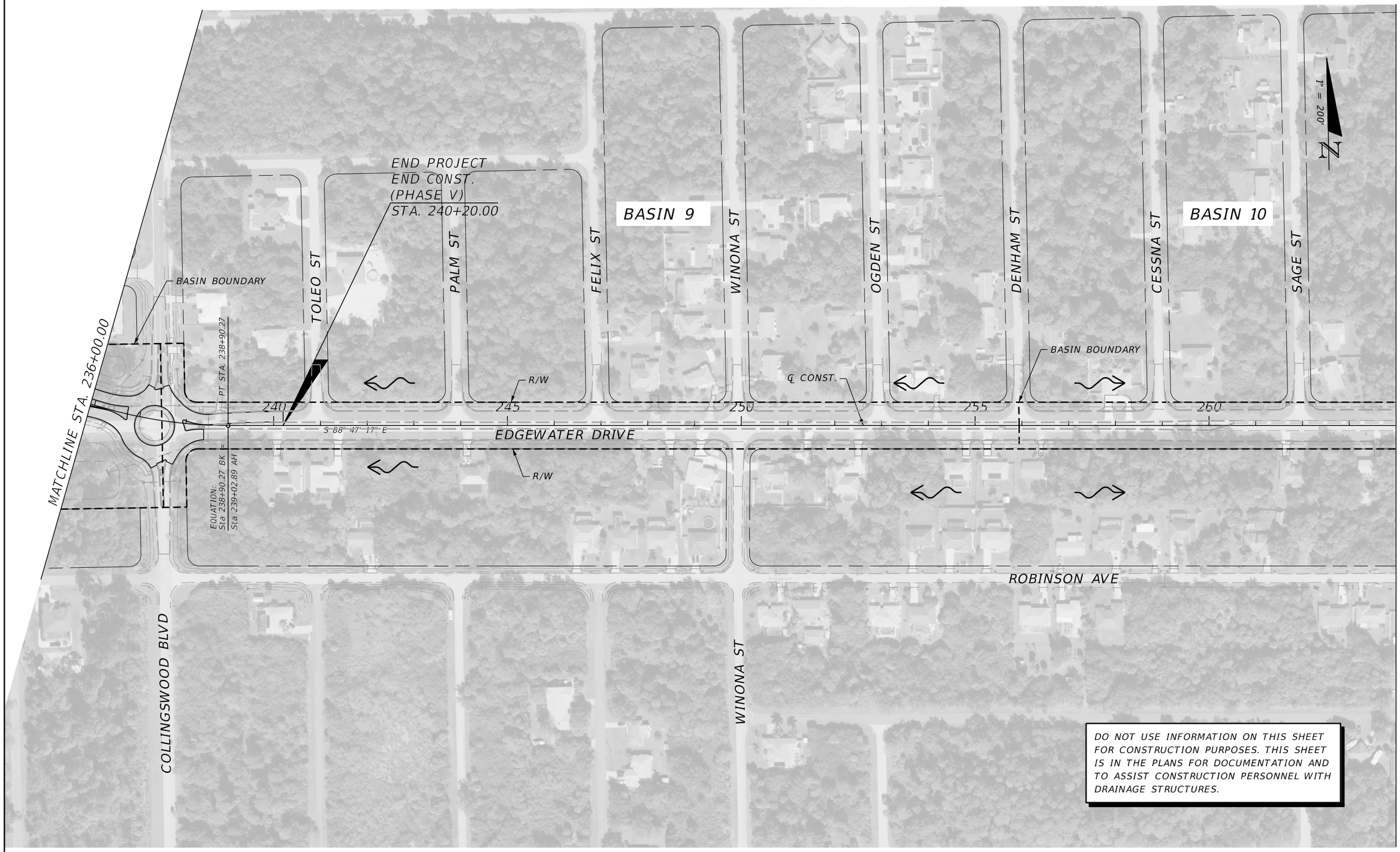
DRAINAGE MAP

SHEET NO. 8



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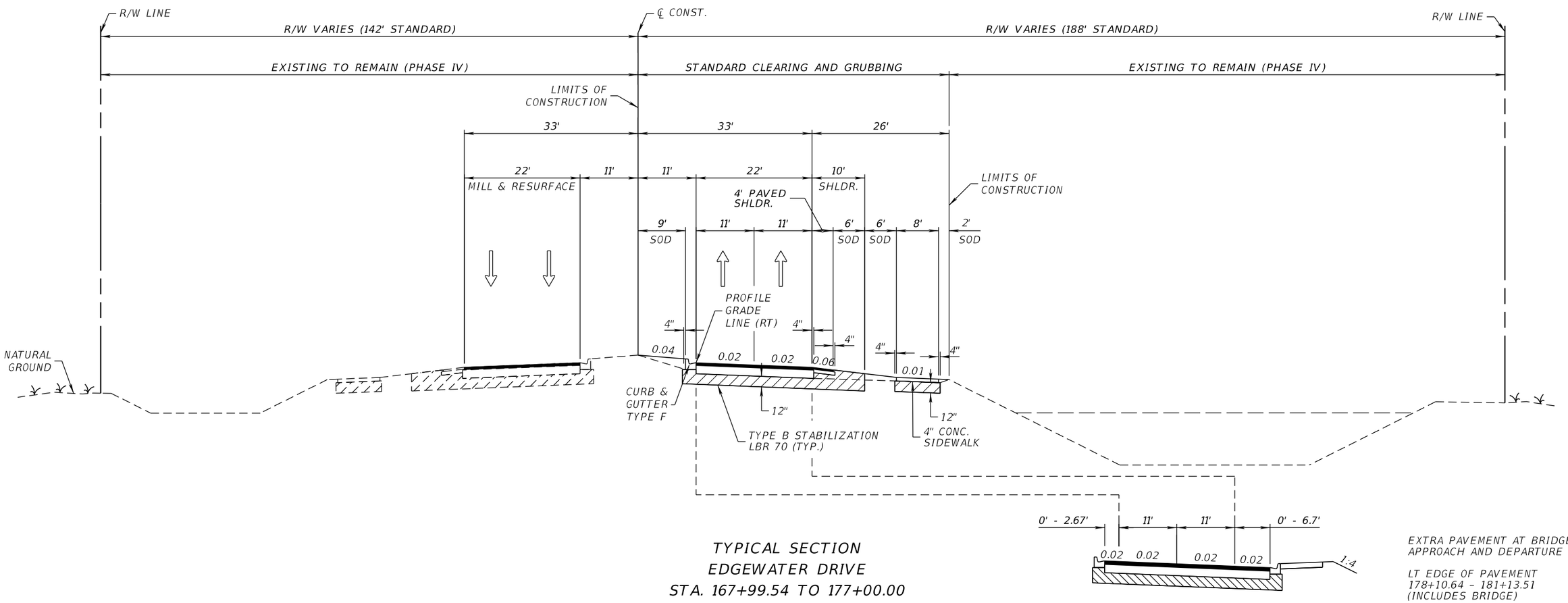
DRAINAGE MAP

SHEET NO. 9



TYPICAL SECTION
EDGEWATER DRIVE
STA. 167+99.54 TO 177+00.00
STA. 181+57.91 TO 193+44.51
STA. 209+01.03 TO 231+96.93

BRIDGE APPROACH AND DEPARTUE
STA. 177+00.00 TO 181+57.91
STA. 204+00.00 TO 209+01.03

EXTRA PAVEMENT AT BRIDGE APPROACH AND DEPARTURE

LT EDGE OF PAVEMENT
178+10.64 - 181+13.51
(INCLUDES BRIDGE)

RT EDGE OF PAVEMENT
177+00.00 - 181+25.44
(INCLUDES BRIDGE)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE S-I STRUCTURAL COURSE (3")
TYPE S-III SURFACE COURSE (1.5")

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 6 WITH
TYPE S-III SURFACE COURSE (1.5")

MILLING AND RESURFACING

MILL EXISTING ASPHALT PAVEMENT (1.5") DEPTH
RESURFACE TYPE S-III SURFACE COURSE (1.5")

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 9,800
ESTIMATED OPENING YEAR = 2025 AADT = 15,000
ESTIMATED DESIGN YEAR = 2045 AADT = 40,000
K = 10% D = 50% T = 11% (24 HOUR)
DESIGN HOUR T = 11%
DESIGN SPEED = 40 MPH

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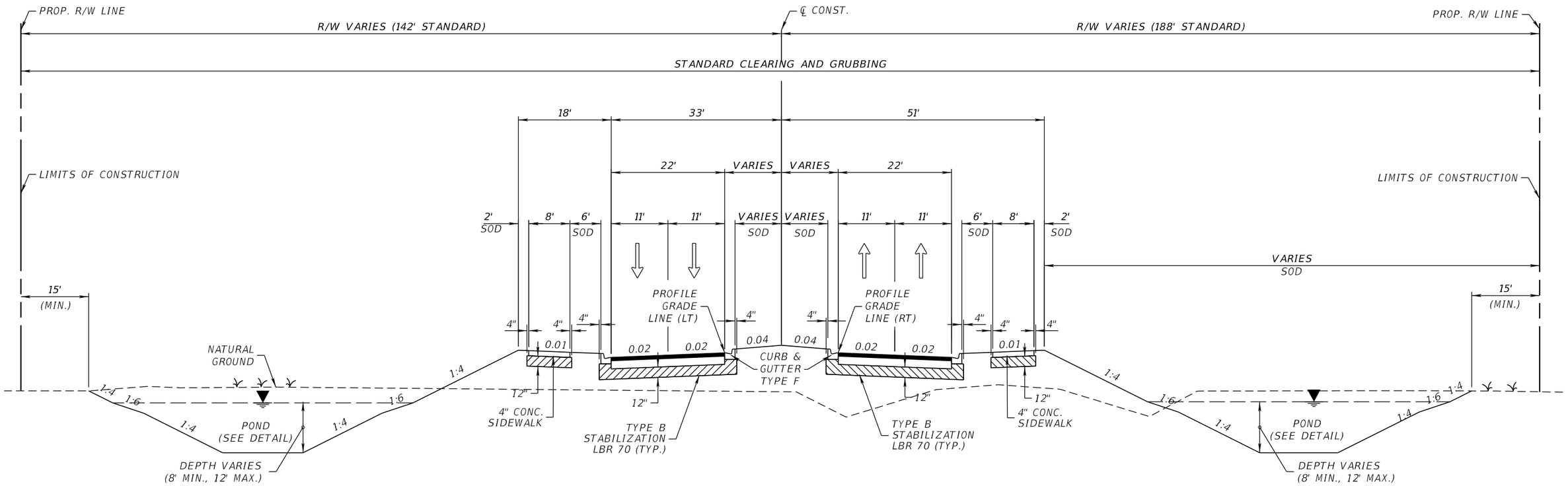
TYPICAL SECTION

SHEET NO. 10



TYPICAL SECTION
EDGEWATER DRIVE
STA. 152+14.47 TO 157+82.47

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE S-I STRUCTURAL COURSE (3")
TYPE S-III SURFACE COURSE (1.5")

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 9,800
ESTIMATED OPENING YEAR = 2025 AADT = 15,000
ESTIMATED DESIGN YEAR = 2045 AADT = 40,000
K = 10% D = 50% T = 11% (24 HOUR)
DESIGN HOUR T = 11%
DESIGN SPEED = 30 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

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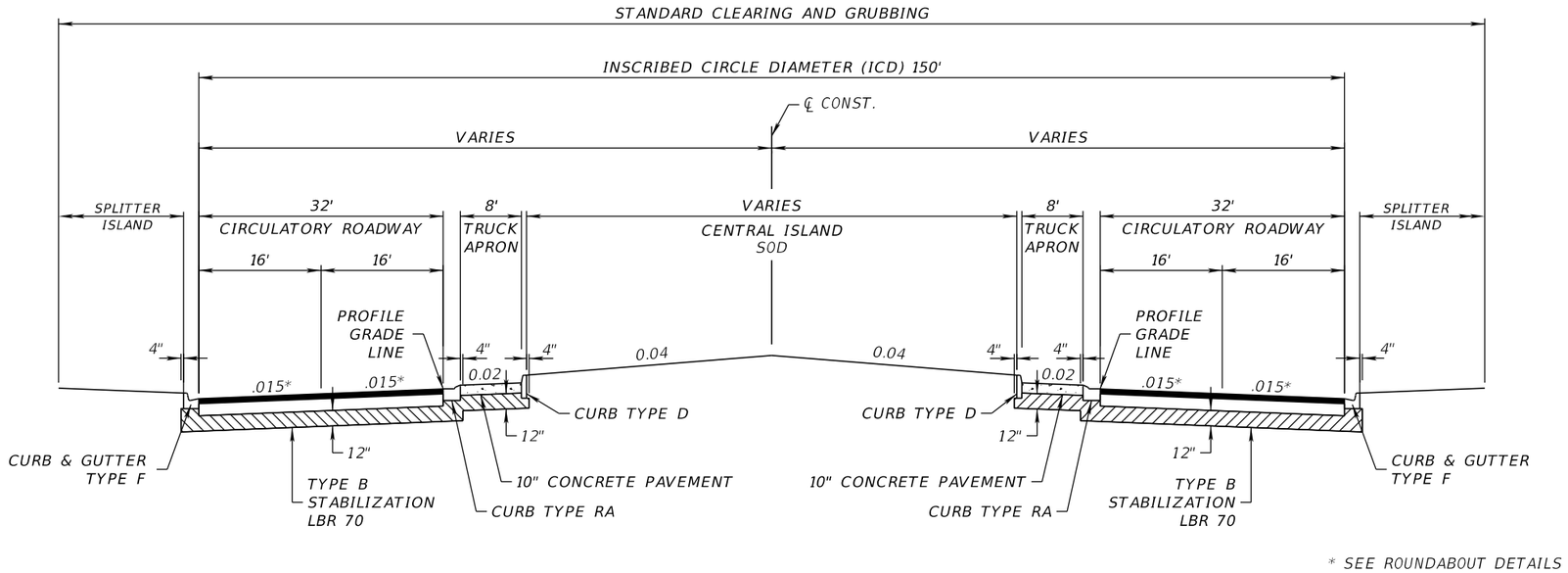
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

TYPICAL SECTION

SHEET NO. 11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION - ROUNDABOUT
WINTERGARDEN AVENUVE - 154+14.47 TO 155+82.47 (ICD)
(CENTER STA. 154+98.47)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE S-I STRUCTURAL COURSE (3")
TYPE S-III SURFACE COURSE (1.5")

TRUCK APRON

CONCRETE PAVEMENT (10")
(AMS-STD-595-21105 RED, STAMPED)

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 9,800
ESTIMATED OPENING YEAR = 2025 AADT = 15,000
ESTIMATED DESIGN YEAR = 2045 AADT = 40,000
K = 10% D = 50% T = 11% (24 HOUR)
DESIGN HOUR T = 11%
DESIGN SPEED = 20 MPH

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

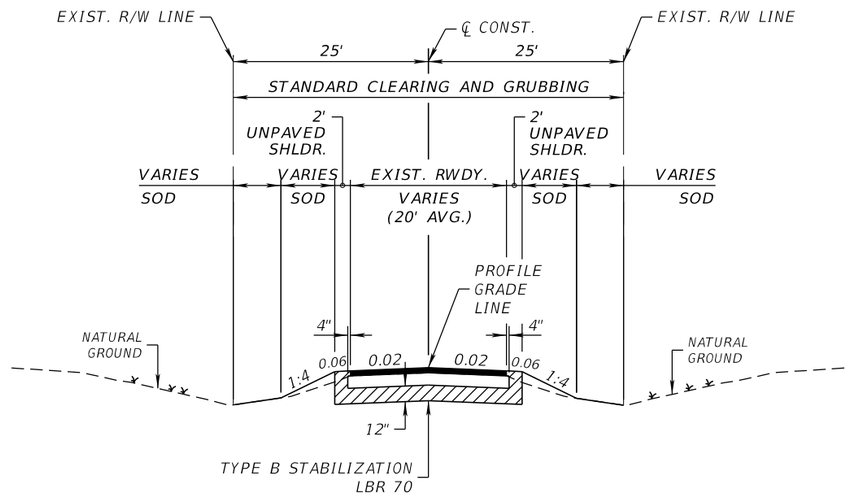
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

TYPICAL SECTION

SHEET NO. 12



TYPICAL SECTION
NIXON AVENUE
ARTHUR AVENUE
JOPPA AVENUE
GREENAN AVENUE
CARSON AVENUE
WINTERGARDEN AVENUE
ALVIN AVENUE
GERANIUM AVENUE

NEW CONSTRUCTION

OPTIONAL BASE GROUP 6 WITH
TYPE S-I STRUCTURAL COURSE (1.5")
TYPE S-III SURFACE COURSE (1.5")

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 9,800
ESTIMATED OPENING YEAR = 2025 AADT = 15,000
ESTIMATED DESIGN YEAR = 2045 AADT = 40,000
K = 10% D = 50% T = 11% (24 HOUR)
DESIGN HOUR T = 11%
DESIGN SPEED = 35 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

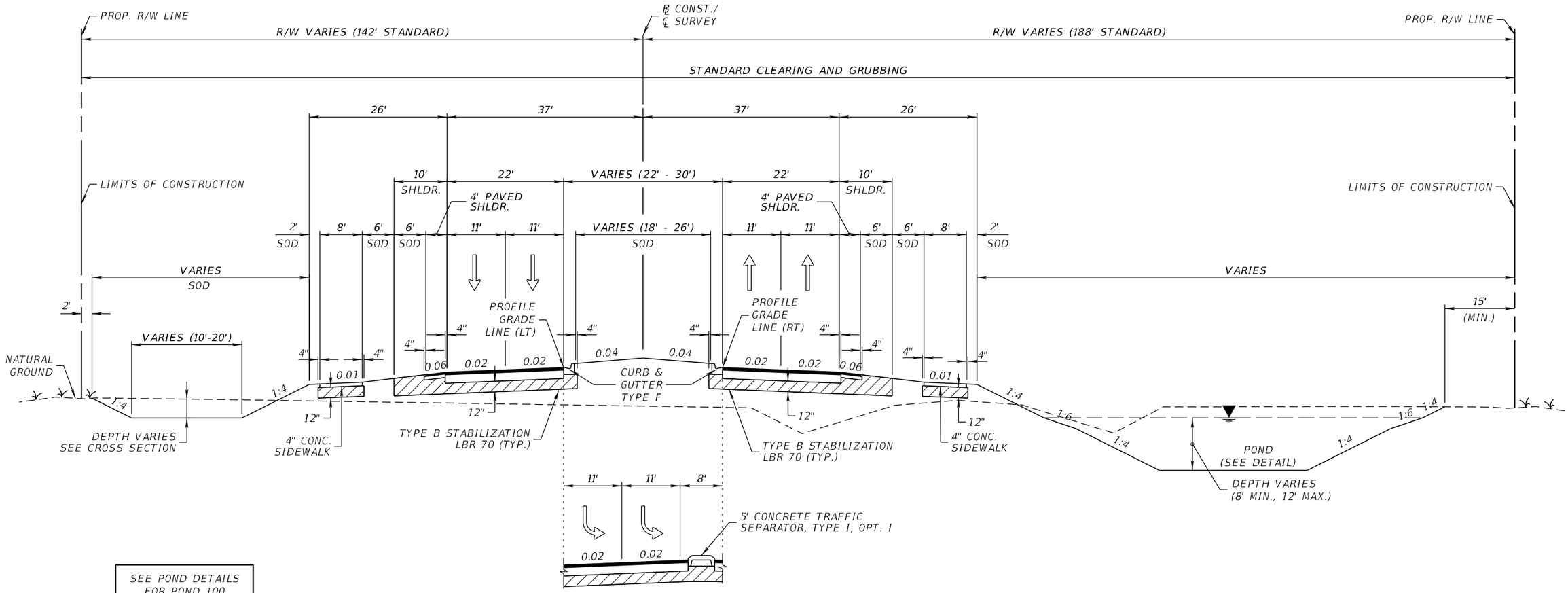
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

TYPICAL SECTION

SHEET NO. 13

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SEE POND DETAILS
FOR POND 100
AND 101 DETAILS

DUAL LEFT
TURN DETAIL
STA. 101+54.85 TO STA. 108+56.75

TYPICAL SECTION
EDGEWATER DRIVE
STA. 100+17.83 TO STA. 113+86.61

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE S-I STRUCTURAL COURSE (3")
TYPE S-III SURFACE COURSE (1.5")

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 6 WITH
TYPE S-III SURFACE COURSE (1.5")

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 9,800
ESTIMATED OPENING YEAR = 2025 AADT = 15,000
ESTIMATED DESIGN YEAR = 2045 AADT = 40,000
K = 10% D = 50% T = 11% (24 HOUR)
DESIGN HOUR T = 11%
DESIGN SPEED = 40 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

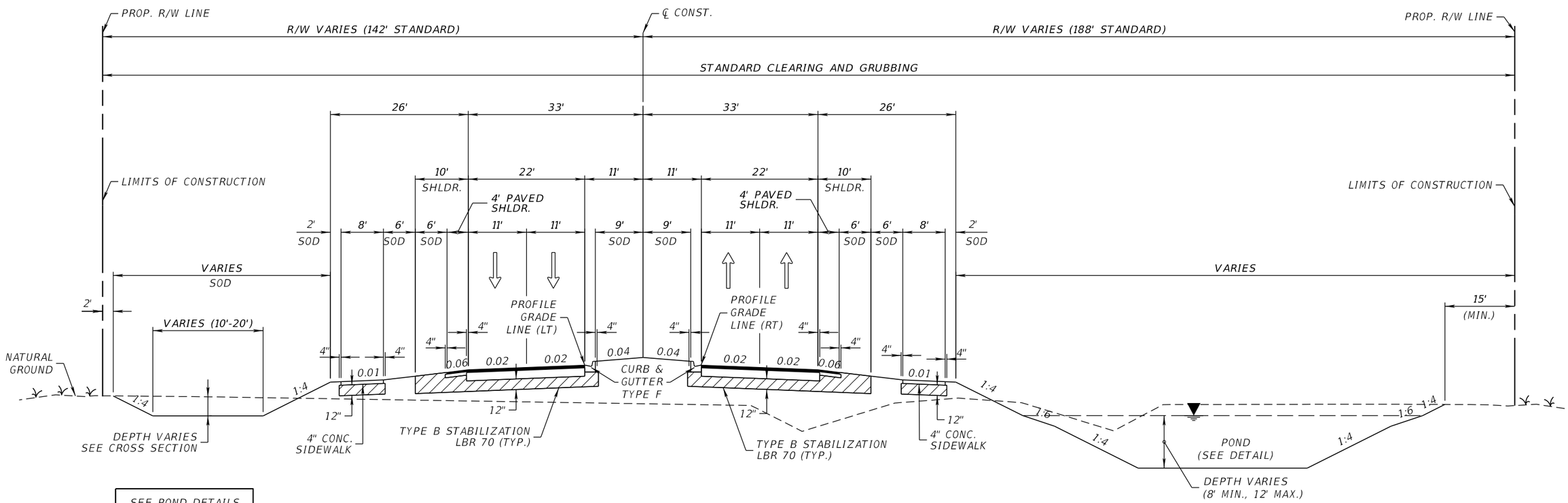
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

TYPICAL SECTIONS

SHEET NO.
14

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



SEE POND DETAILS FOR POND 301, 302 AND 303 DETAILS

TYPICAL SECTION
EDGEWATER DRIVE
STA. 113+86.61 TO STA. 152+14.47
STA. 157+82.47 TO STA. 167+99.54

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE S-I STRUCTURAL COURSE (3")
TYPE S-III SURFACE COURSE (1.5")

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 6 WITH
TYPE S-III SURFACE COURSE (1.5")

TRAFFIC DATA

CURRENT YEAR = 2023 AADT = 9,800
ESTIMATED OPENING YEAR = 2025 AADT = 15,000
ESTIMATED DESIGN YEAR = 2045 AADT = 40,000
K = 10% D = 50% T = 11% (24 HOUR)
DESIGN HOUR T = 11%
DESIGN SPEED = 40 MPH

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

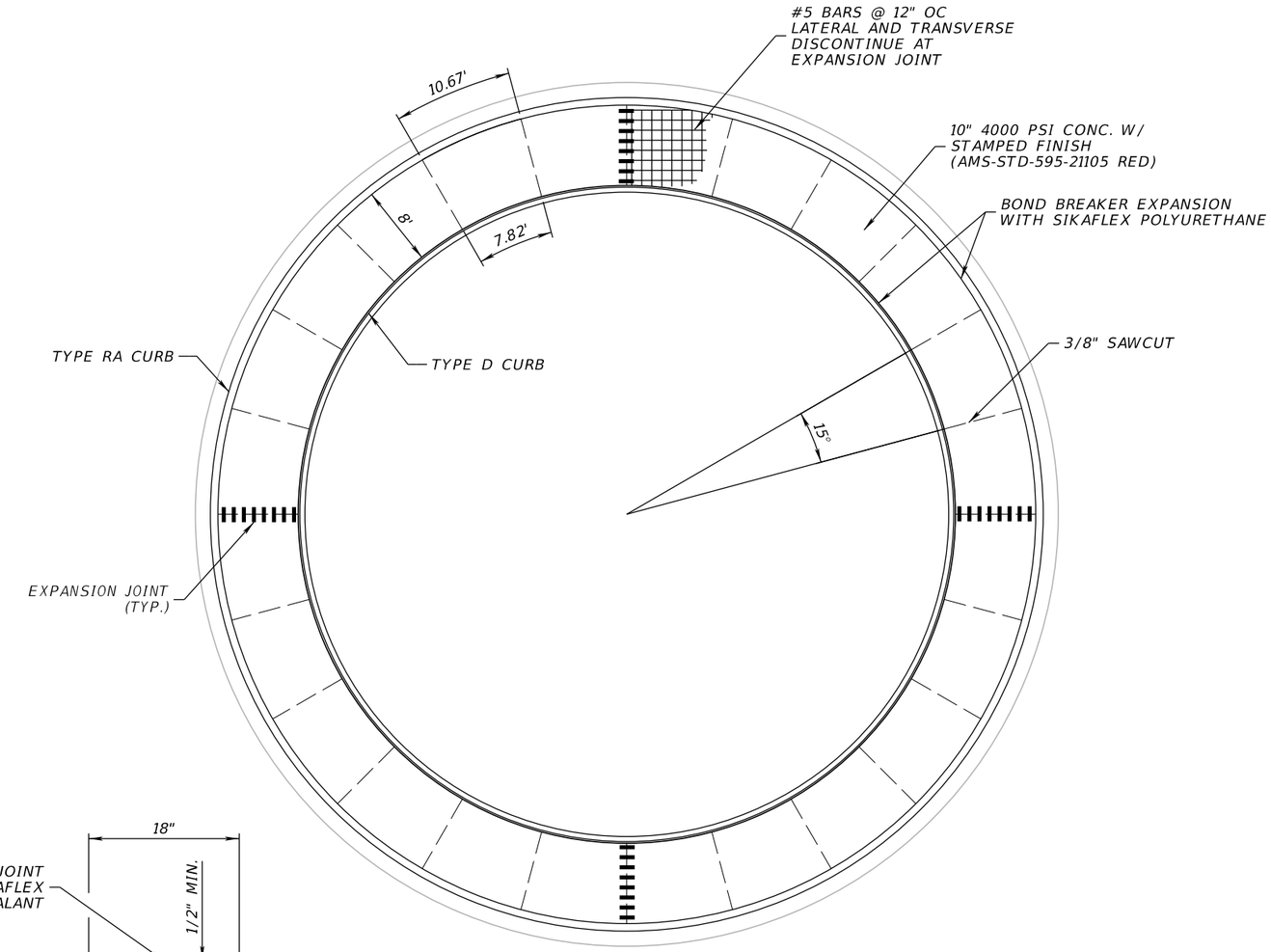
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

TYPICAL SECTIONS

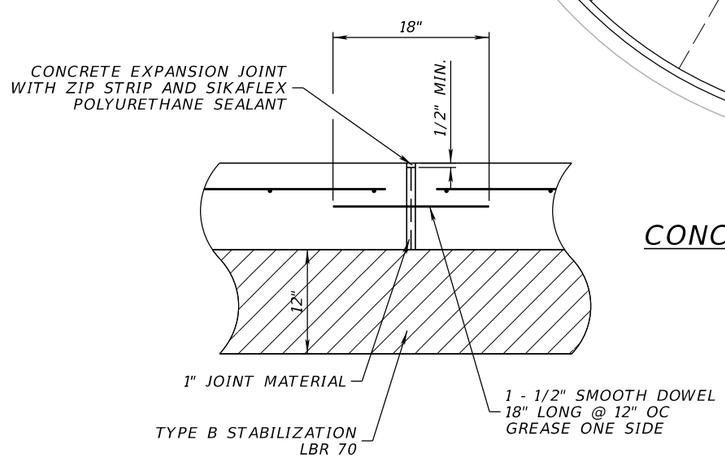
SHEET NO. 15

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CONCRETE TRUCK APRON DETAIL

NOT TO SCALE



EXPANSION JOINT DETAIL

NOT TO SCALE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

TYPICAL SECTION DETAILS

SHEET NO. 16

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

QTY	STR.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN ROUND 18"	24"	30"	36"	42"	48"	INLETS CURB P-5 <10	TOP P-5 <10	J-5 <10	INLETS DITCH BOTTOM C <10	JBOT C <10	D <10	JBOT D <10	2 H <10	JBOT H <10	2 H MOD <10	4 H MOD <10	4 H <10	ENDWALL ROUND 18"	24"	DBL 30"	36"	DBL 36"	42"	DBL 42"	48"	COMMENTS
P	S-1	100+92.12	LT	ENDWALL, PIPE	1				22																		1					CONNECT TO EXIST. PIPE
F																																
P	S-5	102+56.83	LT	ENDWALL	1				57																		1					CONNECT TO EXIST. INLET
F																																
P	S-8	108+70.00	LT	INLET, PIPE	1				181								1															DBL SLOT TRAVERSABLE
F																																
P	S-9	108+70.00	RT	ENDWALL	1																						1					
F																																
P	S-10	113+45.66	LT	INLET, PIPE	1				175								1															DBL SLOT TRAVERSABLE
F																																
P	S-11	113+11.65	RT	ENDWALL	1																						1					
F																																
P	S-12	14+16.29	LT	INLET, PIPE	2			78								1																NIXON AVE
F																																
P	S-13	12+83.63	LT	INLET, PIPE	2			248								1																NIXON AVE
F																																
P	S-14	12+26.44	LT	ENDWALL, PIPE	2			106																		1						NIXON AVE
F																																
P	S-15	119+00.00	LT	INLET, PIPE	2				348											1												
F																																
P	S-16	119+00.00	RT	ENDWALL	2																							1				
F																																
P	S-17	125+10.00	LT	INLET, PIPE	2					358													1									
F																																
P	S-18	125+10.00	RT	ENDWALL	2																									1		
F																																
P	S-19	127+26.89	RT	ENDWALL	1																				1							
F																																
P	S-20	14+00.00	LT	INLET, PIPE	2				74							1																JOPPA AVE
F																																
P	S-21	128+00.00	LT	INLET, PIPE	2				224							1																JOPPA AVE
F																																
P	S-22	11+95.49	RT	ENDWALL, PIPE	2				172																			1				JOPPA AVE
F																																
P	S-23	128+20.00	LT	INLET, PIPE	1		202								1																	DBL SLOT TRAVERSABLE
F																																
P	S-24	137+28.00	LT	INLET, PIPE	1				172									1														
F																																
P	S-25	137+28.00	RT	ENDWALL	1																						1					
F																																
P	S-26	23+00.00	LT/RT	ENDWALL	2																							1				OUTFALL 300 DITCH
F																																
P	S-27	142+98.00	LT	INLET, PIPE	1						180								1													J BOTTOM
F																																
P	S-28	142+98.00	RT	ENDWALL	1																										1	
F																																
P	S-29	143+45.00	LT	INLET, PIPE	1					32									1													
F																																
P	S-30	143+77.55	LT	ENDWALL	1																								1			
F																																
P	S-31	145+00.00	LT	ENDWALL, PIPE	1					201																			1			
F																																
P	S-32	145+00.00	RT	ENDWALL	1																								1			
F																																
P	S-35	152+23.00	LT	INLET, PIPE	1				48										1													
F																																
P	S-36	152+23.00	LT	INLET, PIPE	1	65						1																				
F																																
P	S-37	152+23.00	RT	INLET, PIPE	1	50						1																				
F																																
P	S-38	152+23.00	RT	ENDWALL	1																				1							
F																																
P	S-39	152+71.00	LT	ENDWALL	1																						1					
F																																
TOTAL				PLAN QUANTITY		115	202	432	1473	591	180	2			1	4	2	1	3	1			1	1	1	1	6	3	3	1	1	
				FINAL QUANTITY																												

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF DRAINAGE

SHEET NO. 17

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

QTY	STR.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN ROUND 18"	24"	30"	36"	42"	48"	INLETS CURB P-5 <10	TOP P-5 <10	J-5 <10	INLETS DITCH BOTTOM C <10	JBOT C <10	D <10	JBOT D <10	2 H <10	JBOT H <10	2 H MOD <10	4 H MOD <10	4 H <10	ENDWALL ROUND 18"	24"	DBL 30"	36"	DBL 36"	42"	DBL 42"	48"	COMMENTS
P	S-40	153+73.00	LT	ENDWALL, PIPE	1					56																			1			
F																																
P	S-41	153+73.00	LT	INLET, PIPE	1					53				1																		
F																																
P	S-42	153+73.00	RT	INLET, PIPE	1					73				1																		
F																																
P	S-43	153+73.00	RT	ENDWALL	1																								1			
F																																
P	S-44	51+59.17	LT	ENDWALL, PIPE	1				43																		1					WINTERGARDEN AVE
F																																
P	S-44A	51+59.17	LT	INLET, PIPE	1				67								1															WINTERGARDEN AVE
F																																
P	S-45	51+59.17	RT	ENDWALL	1																						1					WINTERGARDEN AVE
F																																
P	S-45A	51+59.17	RT	INLET, PIPE	1				42								1															WINTERGARDEN AVE
F																																
P	S-46	156+26.79	LT	INLET, PIPE	1	55						1																				
F																																
P	S-47	156+26.79	RT	INLET, PIPE	1	46						1																				
F																																
P	S-48	156+26.79	RT	ENDWALL	1																			1								
F																																
P	S-49	157+61.86	LT	INLET, PIPE	1	66						1																				
F																																
P	S-50	157+76.00	RT	INLET, PIPE	1	51						1																				
F																																
P	S-51	157+76.00	RT	ENDWALL	1																			1								
F																																
P	S-52	48+27.22	RT	ENDWALL, PIPE	1		111																		1							GERANIUM AVE
F																																
P	S-53	165+50.00	LT	INLET, PIPE	1				174								1															
F																																
P	S-54	165+50.00	RT	ENDWALL	1																						1					
F																																
P	S-64	177+23.00	RT	INLET	1								1																			MODIFY EXIST. STRUCTURE
F																																
P	S-67	178+40.00	RT	INLET	1								1																			MODIFY EXIST. STRUCTURE
F																																
P	S-71	180+70.00	RT	INLET	1								1																			MODIFY EXIST. STRUCTURE
F																																
P	S-118	208+98.00	RT	INLET	1								1																			MODIFY EXIST. STRUCTURE
F																																
P	CS-102	14+36.59	LT	INLET	2																	1										CONTROL STRUCTURE (POND 102)
F																																
P	CS-200	14+16.02	LT	INLET	2																	1										CONTROL STRUCTURE (POND 200)
F																																
P	CS-300	23+28.00	LT/RT	INLET, PIPE	2				52													1										CONTROL STRUCTURE (POND 300)
F																																
P	CS-400	48+27.22	LT	INLET	1																1											CONTROL STRUCTURE (POND 400)
F																																
P	CS-402	169+50.00	RT	INLET, PIPE	1			165													1											CONTROL STRUCTURE (POND 402)
F																																
P																																
F																																
P																																
F																																
P																																
F																																
P																																
F																																
P																																
F																																
SUBTOTAL:			PLAN QUANTITY			218	111	165	378	182		4	4	2			3				2	3		2	1		3		2			
			FINAL QUANTITY																													
TOTAL			PLAN QUANTITY			333	313	597	1851	773	180	6	4	2	1	4	5	1	3	1	2	3	1	3	2	1	9	3	5	1	1	
			FINAL QUANTITY																													

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

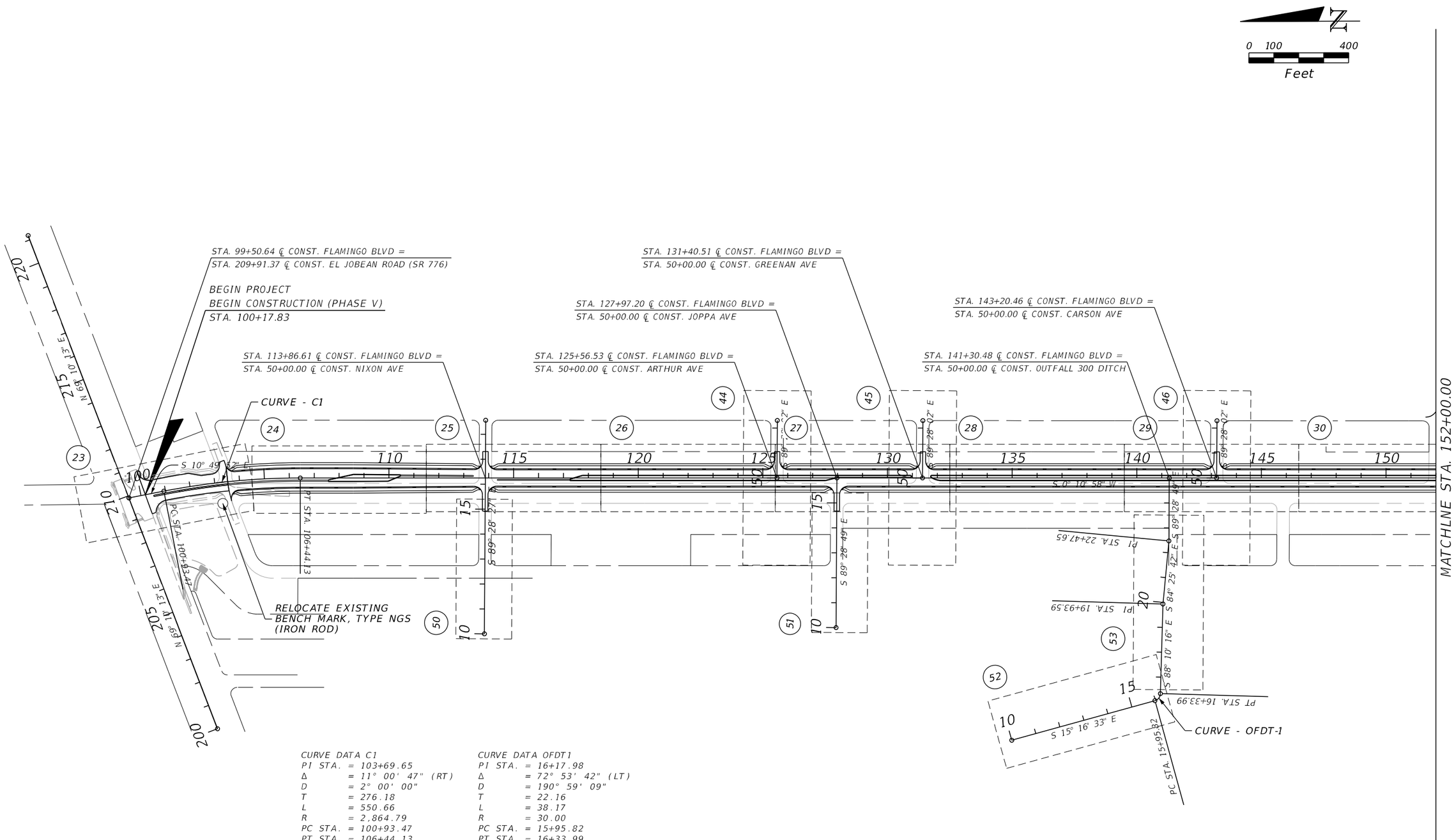
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF DRAINAGE

SHEET NO. 18

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CURVE DATA C1
PI STA. = 103+69.65
Δ = 11° 00' 47" (RT)
D = 2° 00' 00"
T = 276.18
L = 550.66
R = 2,864.79
PC STA. = 100+93.47
PT STA. = 106+44.13
e = NC

CURVE DATA OFDT1
PI STA. = 16+17.98
Δ = 72° 53' 42" (LT)
D = 190° 59' 09"
T = 22.16
L = 38.17
R = 30.00
PC STA. = 15+95.82
PT STA. = 16+33.99
e = NC

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

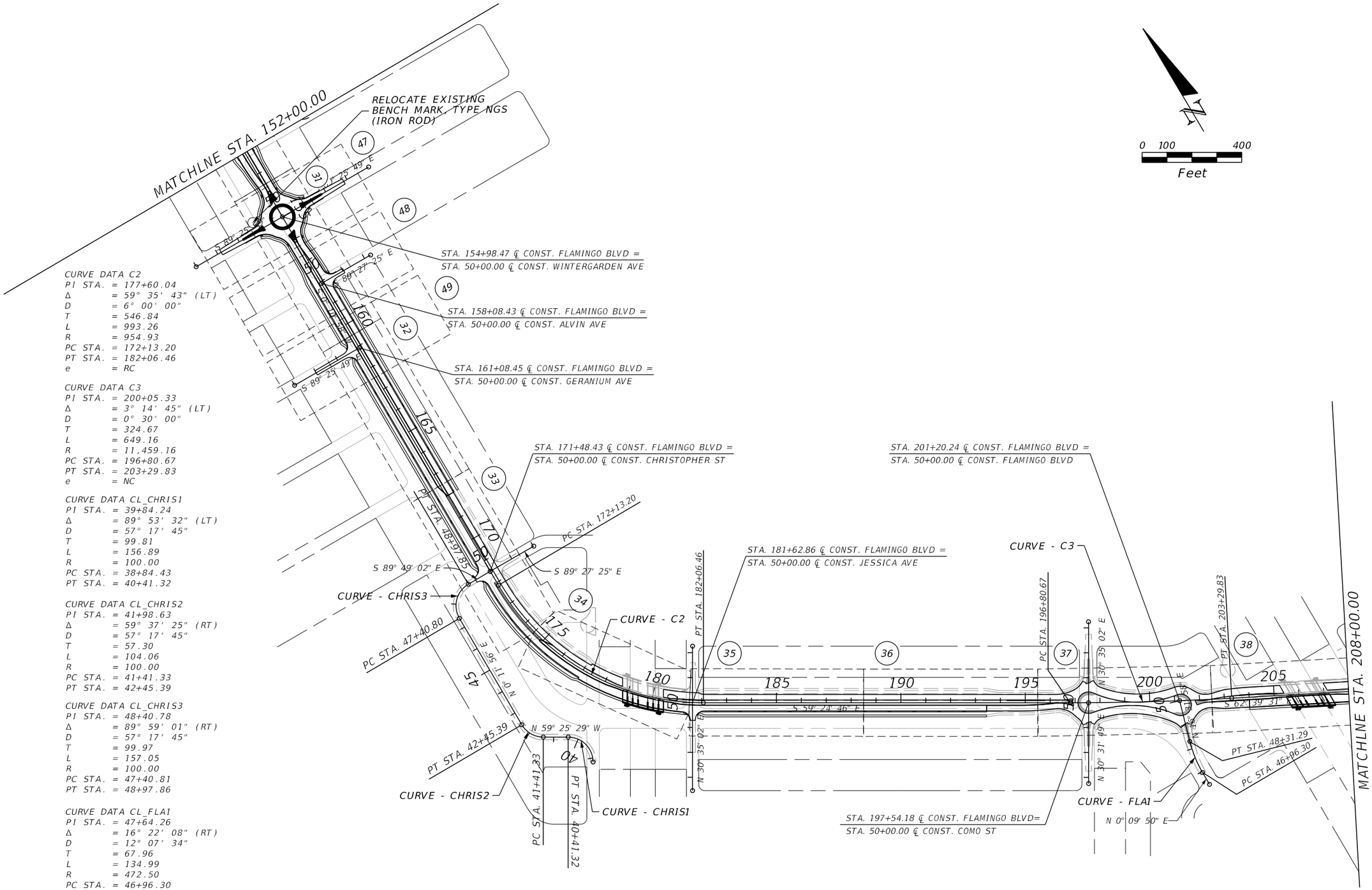
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PROJECT LAYOUT

SHEET NO. 19



CURVE DATA C2
PI STA. = 177+60.04
Δ = 59° 35' 43" (LT)
D = 6° 00' 00"
T = 546.84
L = 993.26
R = 954.93
PC STA. = 172+13.20
PT STA. = 182+06.46
e = RC

CURVE DATA C3
PI STA. = 200+05.33
Δ = 3° 14' 45" (LT)
D = 0° 30' 00"
T = 324.67
L = 649.16
R = 11,459.16
PC STA. = 196+80.67
PT STA. = 203+29.83
e = NC

CURVE DATA CL_CHRIS1
PI STA. = 39+84.24
Δ = 89° 53' 32" (LT)
D = 57° 17' 45"
T = 99.81
L = 156.89
R = 100.00
PC STA. = 38+84.43
PT STA. = 40+41.32

CURVE DATA CL_CHRIS2
PI STA. = 41+98.63
Δ = 59° 37' 25" (RT)
D = 57° 17' 45"
T = 57.30
L = 104.06
R = 100.00
PC STA. = 41+41.33
PT STA. = 42+45.39

CURVE DATA CL_CHRIS3
PI STA. = 48+40.78
Δ = 89° 59' 01" (RT)
D = 57° 17' 45"
T = 99.97
L = 157.05
R = 100.00
PC STA. = 47+40.81
PT STA. = 48+97.86

CURVE DATA CL_FLA1
PI STA. = 47+64.26
Δ = 16° 22' 08" (RT)
D = 12° 07' 34"
T = 67.96
L = 134.99
R = 472.50
PC STA. = 46+96.30
PT STA. = 48+31.29

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

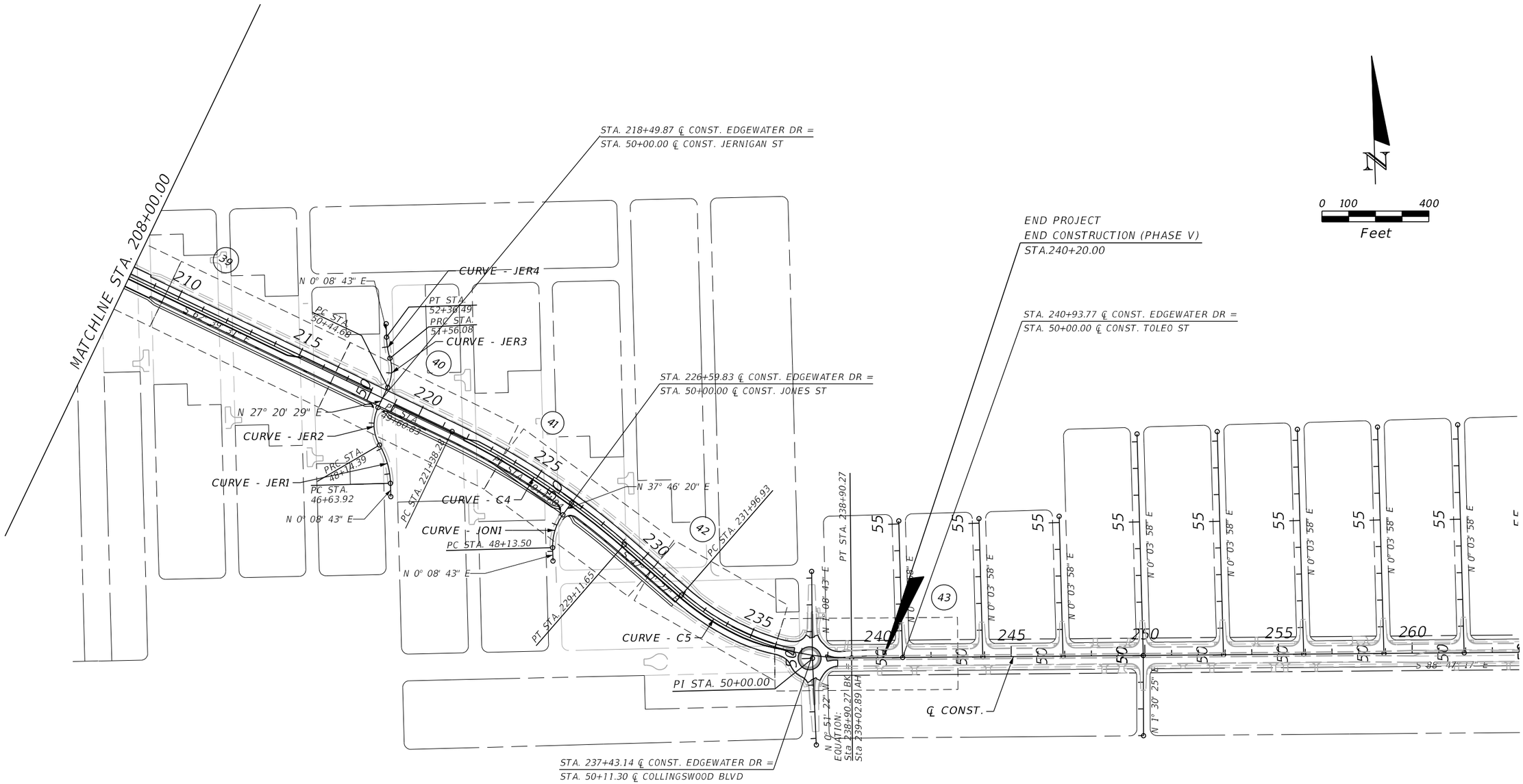
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PROJECT LAYOUT

SHEET NO. 20



CURVE DATA C4
PI STA. = 225+27.33
Δ = 15° 28' 03" (RT)
D = 2° 00' 00"
T = 389.05
L = 773.37
R = 2,864.79
PC STA. = 221+38.28
PT STA. = 229+11.65
e = NC

CURVE DATA C5
PI STA. = 235+59.67
Δ = 41° 35' 49" (LT)
D = 5° 59' 58"
T = 362.74
L = 693.34
R = 955.00
PC STA. = 231+96.93
PT STA. = 238+90.27
e = NC

CURVE DATA CL_JER1
PI STA. = 47+40.77
Δ = 28° 44' 16" (LT)
D = 19° 05' 55"
T = 76.85
L = 150.47
R = 300.00
PC STA. = 46+63.92
PT STA. = 48+14.39

CURVE DATA CL_JER2
PI STA. = 48+94.04
Δ = 55° 56' 02" (RT)
D = 38° 11' 50"
T = 79.65
L = 146.43
R = 150.00
PC STA. = 48+14.39
PT STA. = 49+60.83

CURVE DATA CL_JER3
PI STA. = 51+03.09
Δ = 42° 33' 08" (LT)
D = 38° 11' 50"
T = 58.41
L = 111.40
R = 150.00
PC STA. = 50+44.68
PT STA. = 51+56.08

CURVE DATA CL_JER4
PI STA. = 51+96.53
Δ = 15° 21' 22" (RT)
D = 19° 05' 55"
T = 40.44
L = 80.40
R = 300.00
PC STA. = 51+56.08
PT STA. = 52+36.49

CURVE DATA CL_JON1
PI STA. = 48+81.64
Δ = 37° 37' 37" (RT)
D = 28° 38' 52"
T = 68.14
L = 131.34
R = 200.00
PC STA. = 48+13.50
PT STA. = 49+44.84

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PROJECT LAYOUT

SHEET NO. 21

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

GENERAL NOTES

1. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

   RICK G. DANIELS, P.S.M.
   P.S.M. NO: #7229
   JOHNSON ENGINEERING, INC.
   2122 JOHNSON STREET
   FORT MYERS, FLORIDA 33901

2. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF (NAVD 88).

3. HORIZONTAL DATUM = NAD83 FLORIDA STATE PLANE, WEST ZONE.

4. EXISTING FACILITIES SHALL BE RESTORED TO THAT WHICH EXISTED PRIOR TO COMMENCING CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.

5. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

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

7. ALL EXCAVATION IN CLOSE PROXIMITY TO A POWER POLE SHALL UTILIZE TRENCH BOXES OR OTHER MEANS OF SHORING TO ENSURE THE POLES ARE NOT UNDERMINED.

8. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA PRIOR TO CONSTRUCTION AND CONTACT SUNSHINE STATE ONE CALL.

9. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED. INFORMATION SHOWN IN UTILITY ADJUSTMENT SHEETS US BASED ON BEST AVAILABLE DATA PROVIDED BY UAO'S AND SHOULD BE CONSIDERED CONCEPTUAL IN NATURE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL UAO'S ON ANY NECESSARY RELOCATIONS OR ADJUSTMENTS.

10. UTILITY/AGENCY OWNERS:

COMPANY	CONTACT	TELEPHONE	E-MAIL
CHARLOTTE COUNTY LIGHTING	JODY MANSELL	(941) 675-3648	JODY.MANSELL@CHARLOTTECOUNTYFL.GOV
CHARLOTTE COUNTY UTILITIES	BRUCE BULLERT	(941) 764-4509	BRUCE.BULLERT@CHARLOTTECOUNTYFL.GOV
LUMEN	BILL McCLOUD	(850) 599-1444	RELOCATIONS@LUMEN.COM
COMCAST	JOSH DAVIS	(239) 253-7642	JOSHUA_DAVIS4@COMCAST.COM
FLORIDA POWER & LIGHT	CHRIS McJUNKIN	(941) 267-7476	CHRIS.MCJUNKIN@FPL.COM
CROWN CASTLE	CHUCK FERGUSON	(570) 872-6637	CHUCK.FERGUSON@CROWNCASTLE.COM
TECO	ALEX McFARLANE	(813) 275-3762	AMCFARLANE@TECOENERGY.COM

11. ANY PUBLIC LAND CORNER OR BENCHMARK 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 PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT WITHOUT DELAY BY TELEPHONE.

12. CONTRACTOR SHALL PROMPTLY REPORT ALL FIELD CHANGES TO ENGINEER.

13. CONTRACTOR SHALL ACCURATELY PLOT THE LOCATIONS, DEPTHS AND DIMENSIONS OF ALL IMPROVEMENTS ON A FINAL SET OF RECORD DRAWINGS PREPARED BY A FLORIDA REGISTERED LAND SURVEYOR. RECORD DRAWINGS SHALL BE SIGNED AND SEALED ON 11"X17" PAPER AND DELIVERED TO THE ENGINEER PRIOR TO PROJECT COMPLETION. COST OF RECORD DRAWINGS IS INHERENT TO COST OF MOBILIZATION.

14. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL.

15. CONTRACTOR TO MAINTAIN EXISTING TRAFFIC / ACCESS, EXISTING DRAINAGE AND EXISTING UTILITIES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY CHARLOTTE COUNTY.

16. CONSTRUCTION STAKING IS THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE SERVICES DURING CONSTRUCTION.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CONSTRUCTION-RELATED PERMITTING. PAYMENT FOR ACQUISITION OF CONSTRUCTION-RELATED PERMITS SHALL BE INCIDENTAL TO THE COST OF CONSTRUCTION-RELATED ACTIVITIES. NO ADDITIONAL PAYMENT SHALL BE MADE.

18. CONTRACTOR SHALL OBTAIN A NPDES PERMIT, IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN AND ABIDE BY ALL NPDES REQUIREMENTS. ALL APPLICABLE COST SHALL BE INHERENT TO EROSION CONTROL PAY ITEM.

19. CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE PROJECT MANAGER. THE CONTRACTOR SHALL PROVIDE THE PROJECT MANAGER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. BECAUSE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED AN MSDS SUBMITTAL.

    ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT MANAGER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE PROJECT MANAGER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT MANAGER.

20. PRIOR TO INCORPORATION INTO THE PROJECT, A CERTIFICATION FROM THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY, STATING THAT THE SOD, HAY, STRAW AND MULCH MATERIALS ARE FREE OF NOXIOUS WEEDS, INCLUDING TROPICAL SODA APPLE, SHALL BE FURNISHED TO THE PROJECT MANAGER BY THE CONTRACTOR. ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE COUNTY OR APPOINTED REPRESENTATIVE PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES, INCLUDING TROPICAL SODA APPLE, SHALL BE REJECTED FOR USE ON THE PROJECT.

21. AT THE COMPLETION OF THIS PROJECT, ALL DISTURBED SURFACES SHALL BE COVERED BY TURF.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING CONVEYANCES AND DRAINAGE CONNECTIONS WITHIN THE PROJECT LIMITS AT ALL TIMES. ANY EXISTING DRAINAGE FEATURES TO BE REMOVED OR REPLACED SHALL HAVE EQUAL OR BETTER CAPACITY IN PLACE PRIOR TO THAT FEATURE BEING IMPACTED. ALL COST FOR TEMPORARY DRAINAGE SHALL BE INHERENT TO OTHER PAY ITEMS.

23. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES MAY EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION AT THESE LOCATIONS. PRE-MIXED MATERIAL OR BASE IN LIEU OF IS SUGGESTED IN THESE AREAS.

24. STATION/OFFSETS SHOWN FOR MITERED END SECTIONS ARE TO THE END OF THE STRUCTURE AT THE CENTERLINE OF THE PIPE

25. FOR CURB INLETS WITHIN OR ADJACENT TO SIDEWALK THE TOPS SHALL BE SET/ADJUSTED SUCH THAT TOP OF INLET IS FLUSH WITH SURROUNDING SHARED USE PATH AND MEET ALL ADA REQUIREMENTS. EDGES ADJACENT TO CONCRETE SHARED USE PATH SHALL HAVE 1/2" EXPANSION JOINT MATERIAL. COST IN CONSIDERED INHERENT TO THE DRAINAGE STRUCTURE.

26. CONTRACTOR SHALL REPLACE ANY EXISTING SIDE STREET MARKINGS OBLITERATED DURING CONSTRUCTION.

27. ALL PROPOSED PIPE WITHIN THE RIGHT-OF-WAY SHALL BE REINFORCED CONCRETE PIPE (RCP/ERCP).

28. SOD QUANTITY INCLUDES ONLY THOSE AREAS INTENDED TO BE DISTURBED BY PROPOSED IMPROVEMENTS. OTHER DISTURBED AREAS NOT INTENDED TO BE DISTURBED, INCLUDING BUT NOT LIMITED TO STAGING AREAS, STOCKPILE AREAS, ETC., SHALL BE SODDED AT NO ADDITIONAL COST.

29. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN THE PLANS.

30. CONTRACTOR TO NOTIFY THE PROJECT MANAGER IMMEDIATELY IF UNSUITABLE SUBSOIL CONDITIONS ARE ENCOUNTERED.

31. CONTRACTOR SHALL BE AWARE OF EXISTING UTILITIES TO REMAIN ALONG THE CORRIDOR, CARE SHALL BE TAKEN NOT TO DAMAGE THESE FACILITIES DURING CONSTRUCTION.

32. THE CONTRACTOR SHALL BE AWARE OF THE POSSIBLE PRESENCE OF ROCK WITHIN THE PROJECT LIMITS THAT MAY BE ENCOUNTERED WHILE PERFORMING EXCAVATIONS AND UNDERGROUND INSTALLATIONS. GEOTECHNICAL REPORTS WITH BORINGS ARE INCLUDED IN THE CONTRACT DOCUMENTS FOR INFORMATIONAL PURPOSES ONLY, AS THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR FINAL SUBSURFACE DETERMINATION. THE CONTRACTOR SHALL CONSIDER THE INCREASE IN COST FOR ALL UNDERGROUND WORK ACTIVITIES AND INCLUDE SUCH COSTS IN HIS BID. ALL COSTS ASSOCIATED WITH ENCOUNTERED ROCK OR ROCK-LIKE MATERIAL SHALL BE INCLUDED IN THE APPROPRIATE ITEMS OF WORK CONTAINED WITHIN THE CONTRACT. NO ADDITIONAL COMPENSATION WILL BE MADE.

33. DEWATERING IS NOT INCLUDED IN CURRENT PERMITS. IF THE CONTRACTOR CHOOSES TO DEWATER A PERMIT MUST BE OBTAINED AT THE CONTRACTORS EXPENSE. ALL ASSOCIATED PERMITTING AND DEWATERING COSTS SHALL BE INHERENT TO OTHER PAY ITEMS. NO ADDITIONAL PAYMENT WILL BE MADE.

34. CLEARING AND GRUBBING IS INTENDED ONLY FOR THOSE AREAS WITHIN THE FOOTPRINT OF ACTUAL IMPROVEMENTS. CONTRACTOR SHALL SET SILT FENCE AT APPROXIMATE EDGE OF IMPROVEMENTS PER CROSS SECTIONS AND CONFIRM WITH THE COUNTY PRIOR TO CLEARING. EXISTING VEGETATION WITHIN EASEMENTS BUT OUTSIDE IMPACT FOOTPRINT SHALL REMAIN AS IS.

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INTERSECTION IMPROVEMENTS BY OTHERS (SR 776 - PHASE 1 IMPROVEMENTS)

BEGIN PROJECT
BEGIN CONSTRUCTION (PHASE V)
STA. 100+17.83

EL JOBEAN ROAD (SR 776)

PRT STA. 99+50.64

STA. 209+91.37 ℄ CONST. EL JOBEAN RD (SR 776)
STA. 99+50.64 ℄ CONST. FLAMINGO BLVD

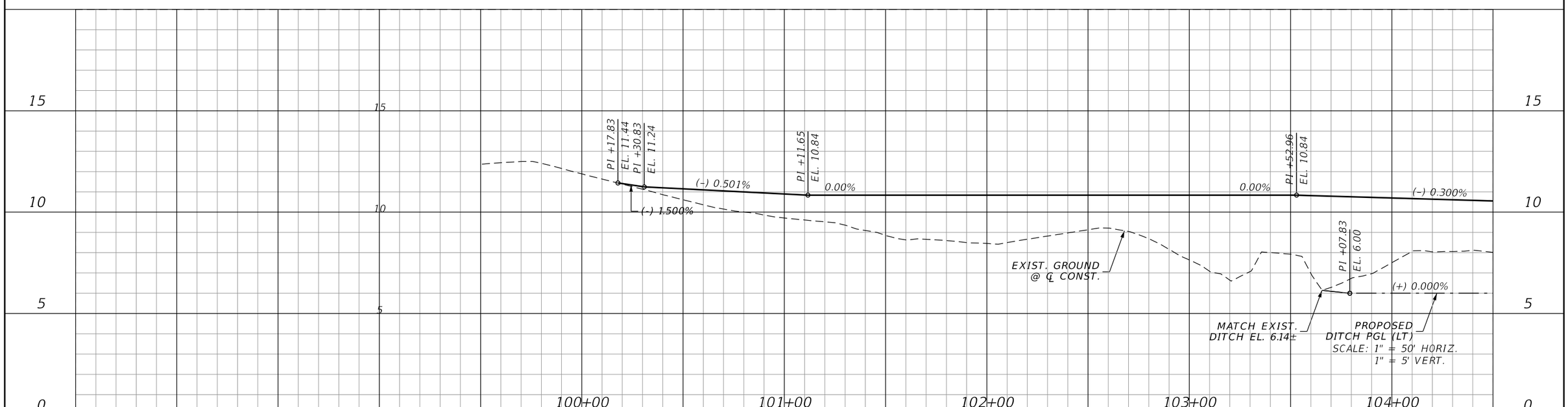
CURVE DATA: CURVE-1
PI STA. = 103+69.65
Δ = 11° 00' 47" (RT)
D = 2° 00' 00"
T = 276.18
L = 550.66
R = 2,864.79
PC STA. = 100+93.47
PT STA. = 106+44.13
e = N/A

REMOVE EXIST. ASPHALT PAVEMENT
MILL & RESURFACE

S-1
POND 101
S-5
CONST. 22 LF OF 36" PIPE
REMOVE EXIST. INLET, CONNECT TO EXIST. WITH CONCRETE COLLAR
CONST. 57 LF OF 36" PIPE
CONNECT TO EXIST. INLET

SAWCUT AND MATCH EXIST. CONCRETE TRAFFIC SEPARATOR
FLAMINGO BLVD
PGL (LT)
SAWCUT AND MATCH EXIST. ASPHALT PAV'T
100
101
102
103
104
S 10° 49' 52" E
℄ CONST.
CURVE-1
PC STA. 100+93.47
+54.85
8.50' (RT)
+54.85
13.50' (RT)
CONST. 5' TRAFFIC SEPARATOR, TYPE 1
PGL (RT)
INSTALL DETECABLE WARNING SURFACE (TYP.)
4' PAVED SHLDR.
POND 100

ALVIEW DR
S 69° 10' 13" W
R/W LINE
1" = 50'
+52.31
62.64' (LT)
+71.26
50.55' (LT)
+96.40
67.00' (LT)
PC STA. 11+69.10
20'
8' CONC. SIDEWALK
4' PAVED SHLDR.
PT STA. 11+46.99
R=35' (TYP.)
+85.26
37.00' (LT)
22'
15'
8.5'
23.5'
+95.96
37.00' (RT)
PC STA. 12+22.58
4' PAVED SHLDR.
8' CONC. SIDEWALK
+99.28
61.00' (RT)
+78.80
51.23' (RT)
PT STA. 12+75.54
60.60
78.25' (RT)
FERNWOOD ST
MATCHLINE STA. 104+50.00
11
12
13



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

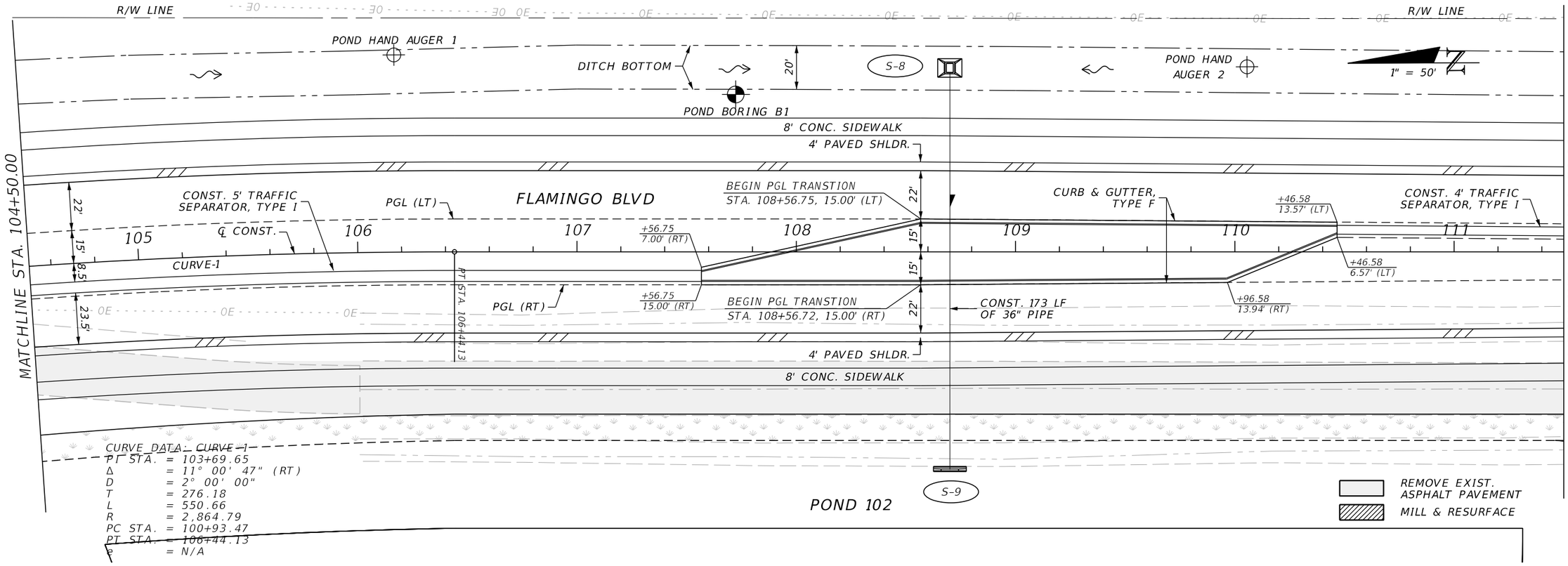
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

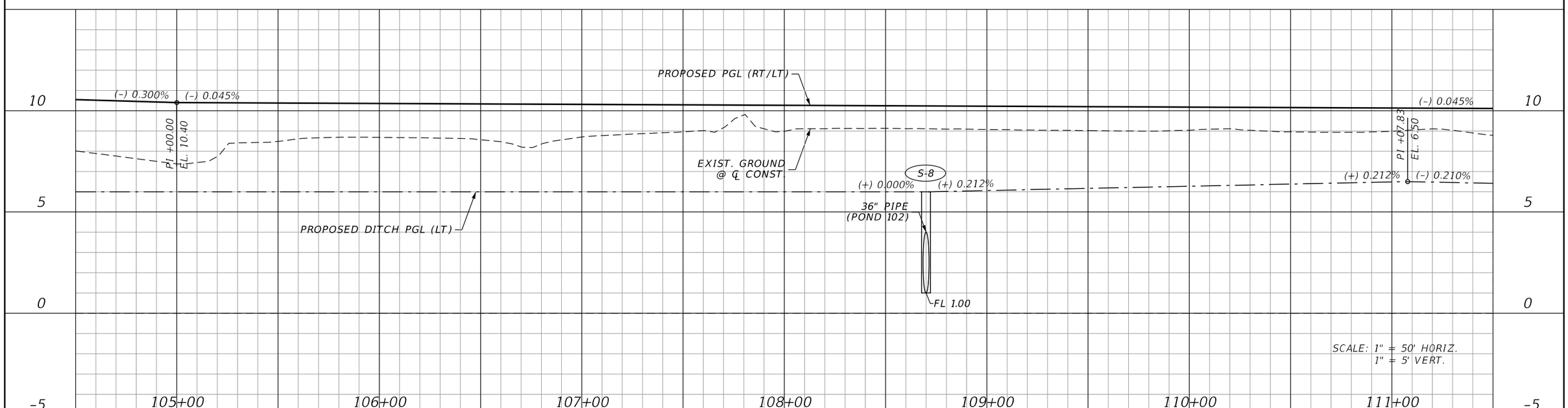
PLAN & PROFILE
STA. 100+00 TO STA. 104+50

SHEET NO. 23

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CURVE DATA: CURVE-1
PI STA. = 103+69.65
Δ = 11° 00' 47" (RT)
D = 2° 00' 00"
T = 276.18
L = 550.66
R = 2,864.79
PC STA. = 100+93.47
PT STA. = 106+44.13
e = N/A



REVISIONS			
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JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
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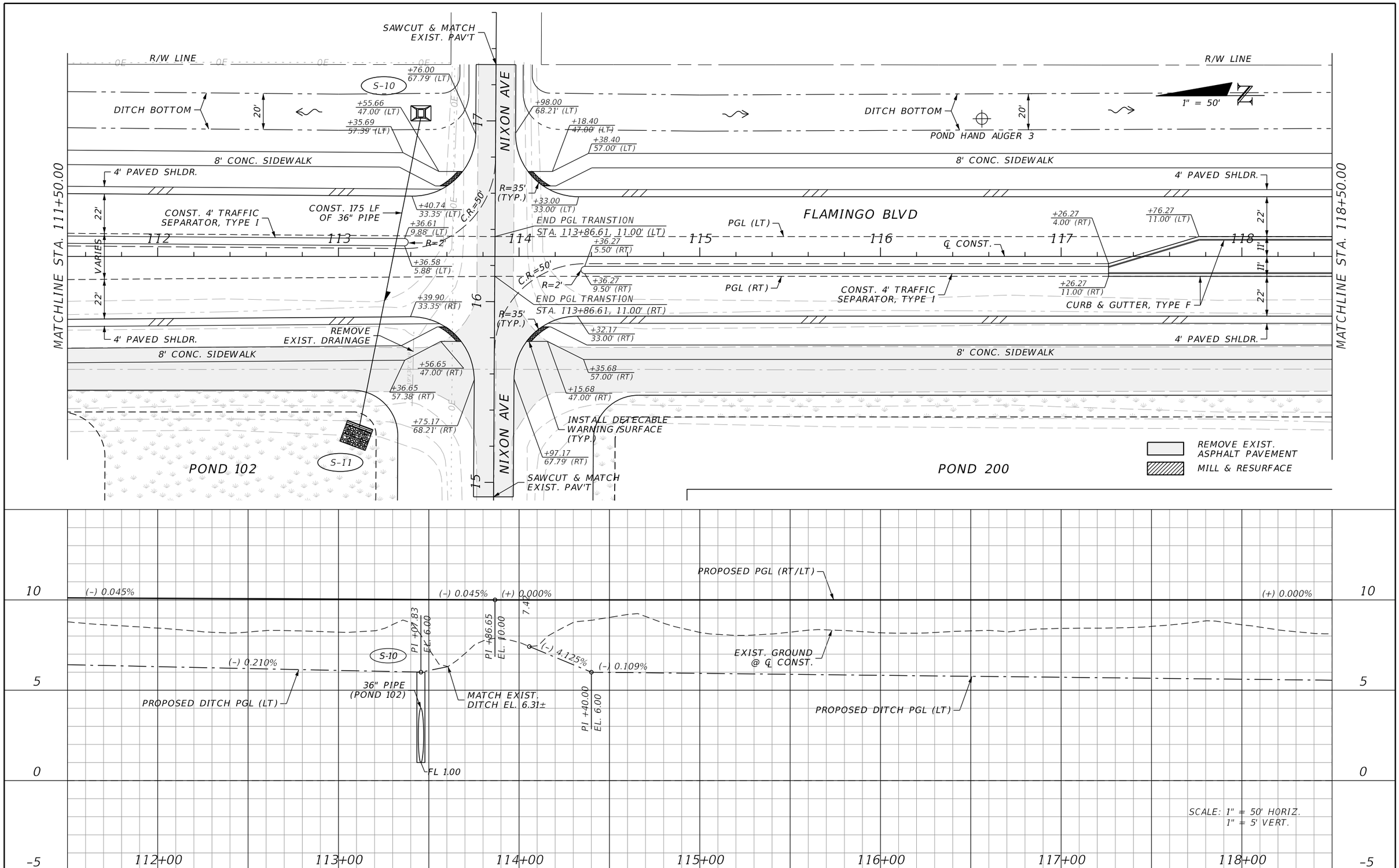
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 104+50 TO STA. 111+50

SHEET NO. 24

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
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JOHNSON ENGINEERING
2122 JOHNSON STREET
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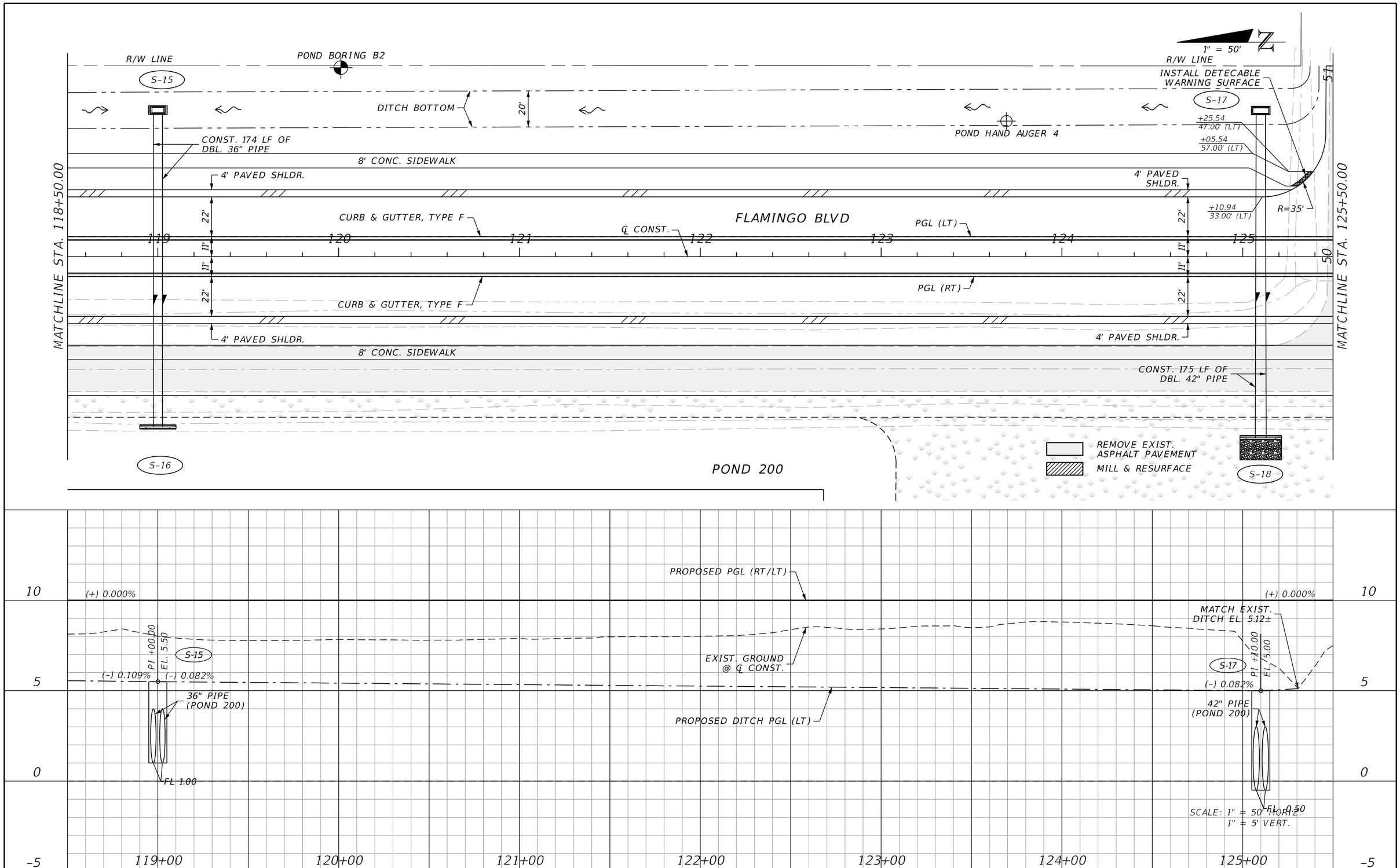
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 111+50 TO STA. 118+50

SHEET NO. 25

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
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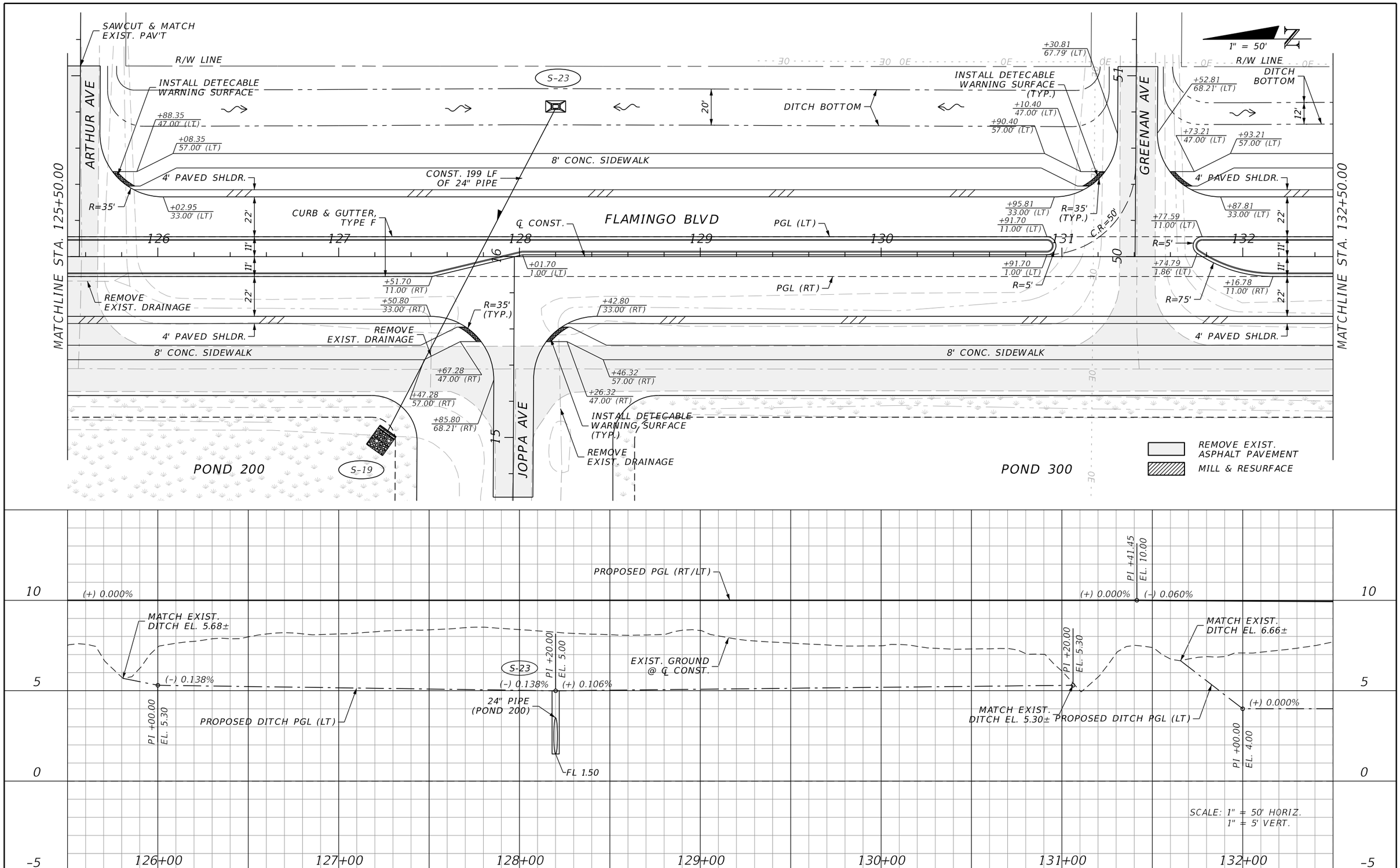
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 118+50 TO STA.125+50

SHEET NO. 26

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
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FORT MYERS, FL 33901
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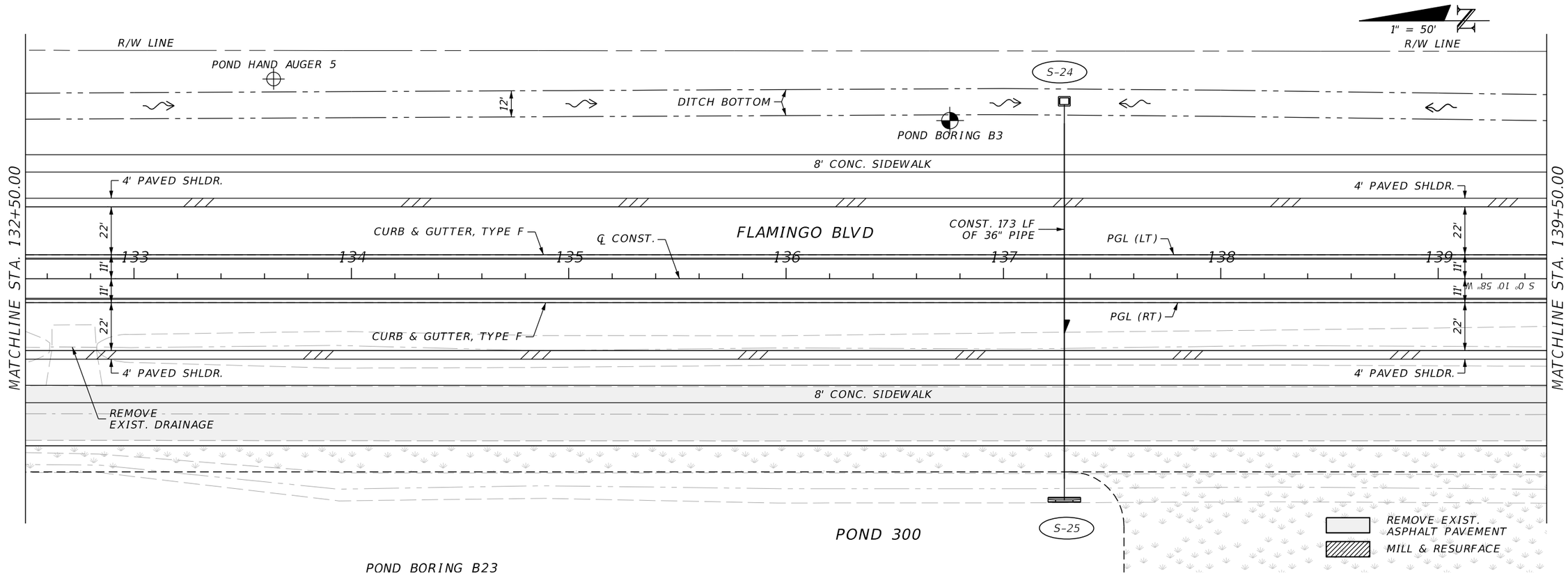
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

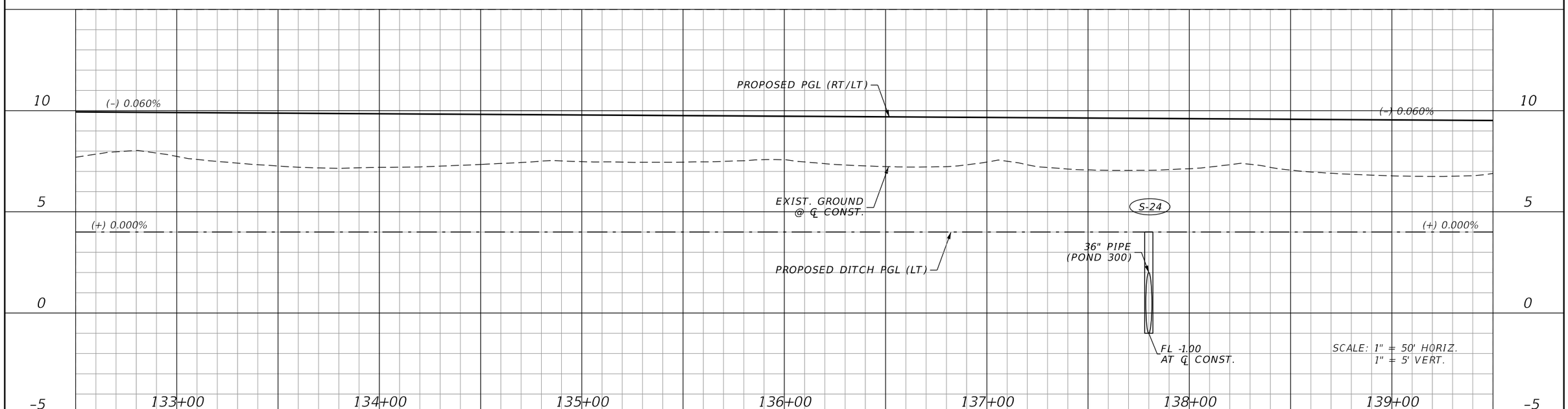
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 125+50 TO STA. 132+50

SHEET NO. 27

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





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JOHNSON ENGINEERING
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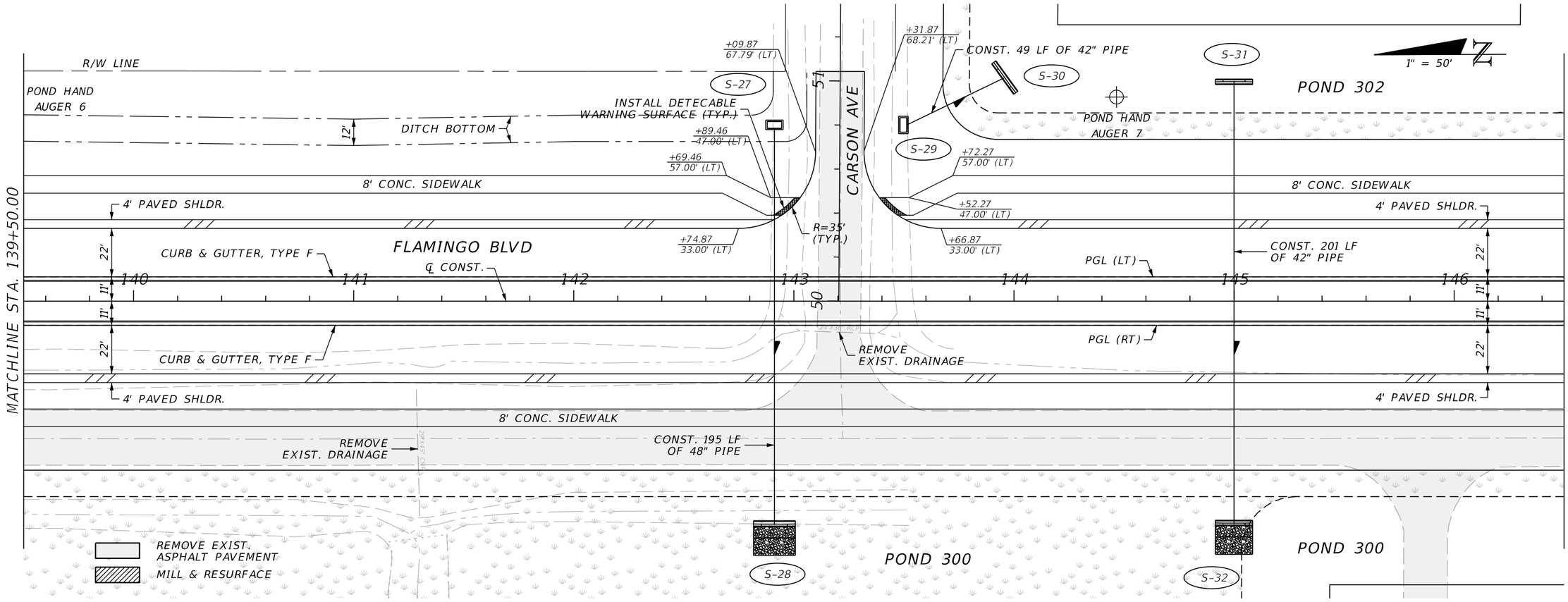
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

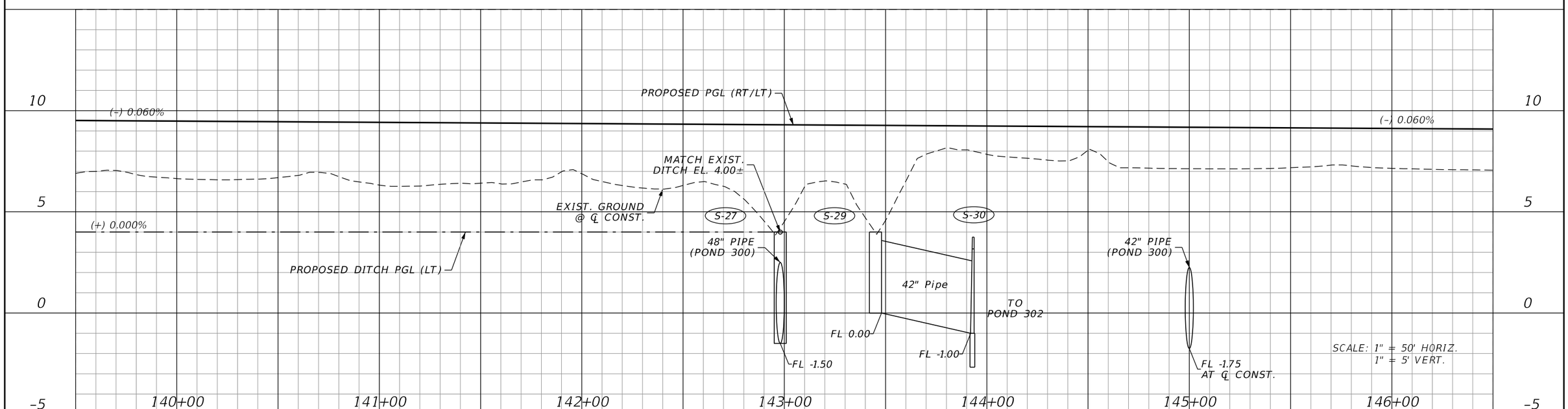
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 132+50 TO STA. 139+50

SHEET NO. 28

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





REVISIONS			
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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
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PLAN & PROFILE
STA. 139+50 TO STA. 146+50

SHEET NO. 29

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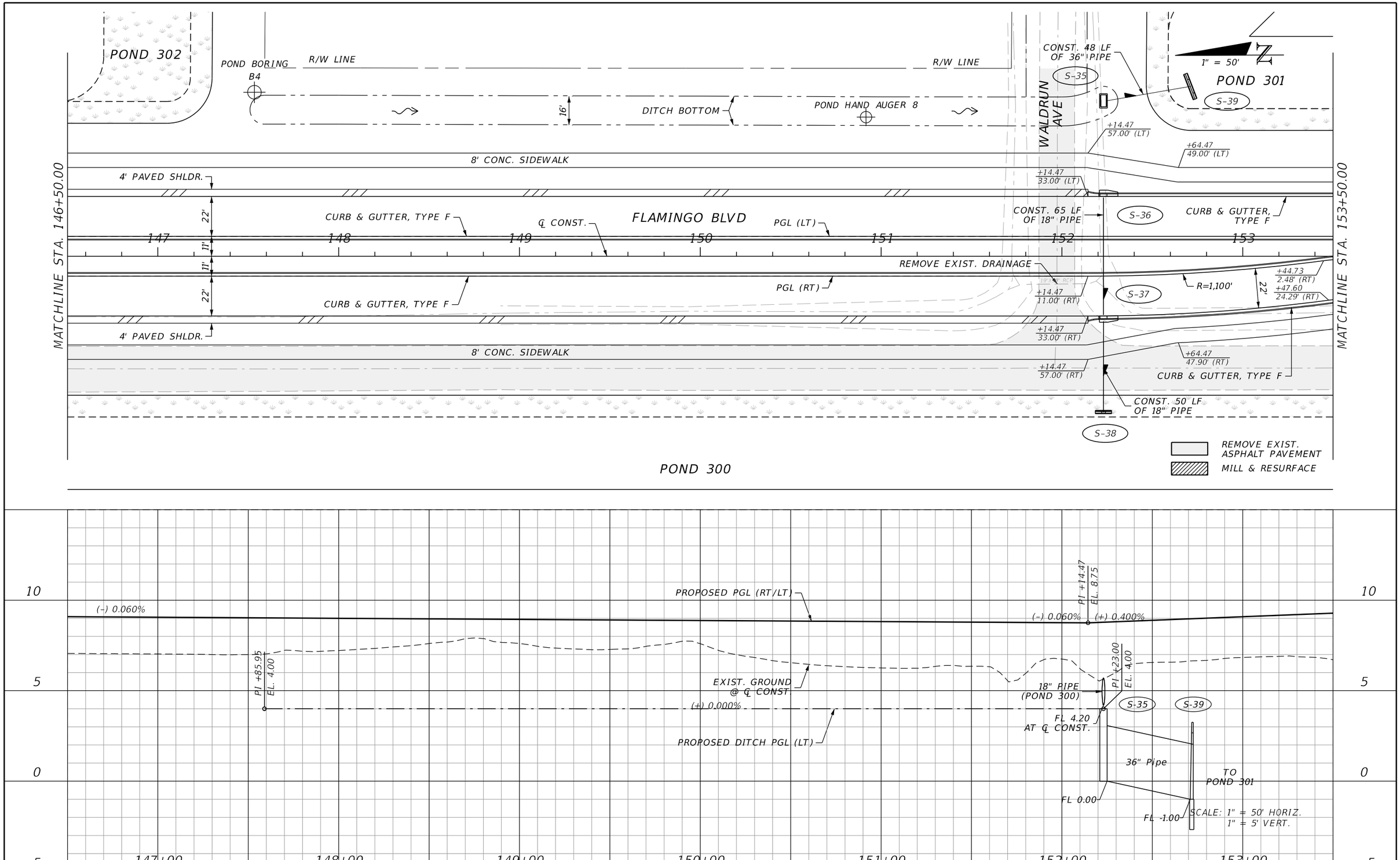

REVISIONS			
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2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 146+50 TO STA. 153+50

SHEET NO. 30

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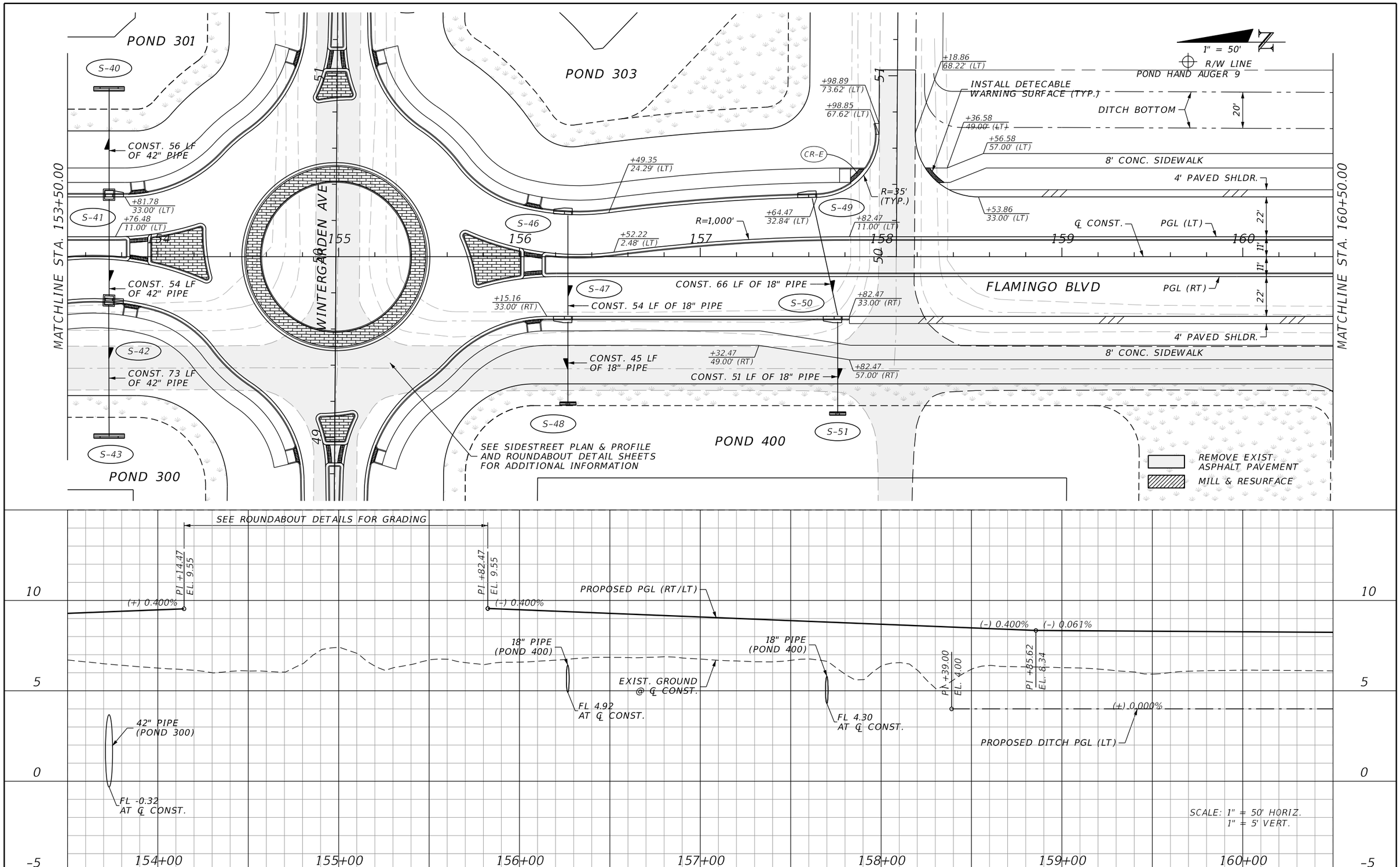

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 153+50 TO STA. 160+50

SHEET NO. 31

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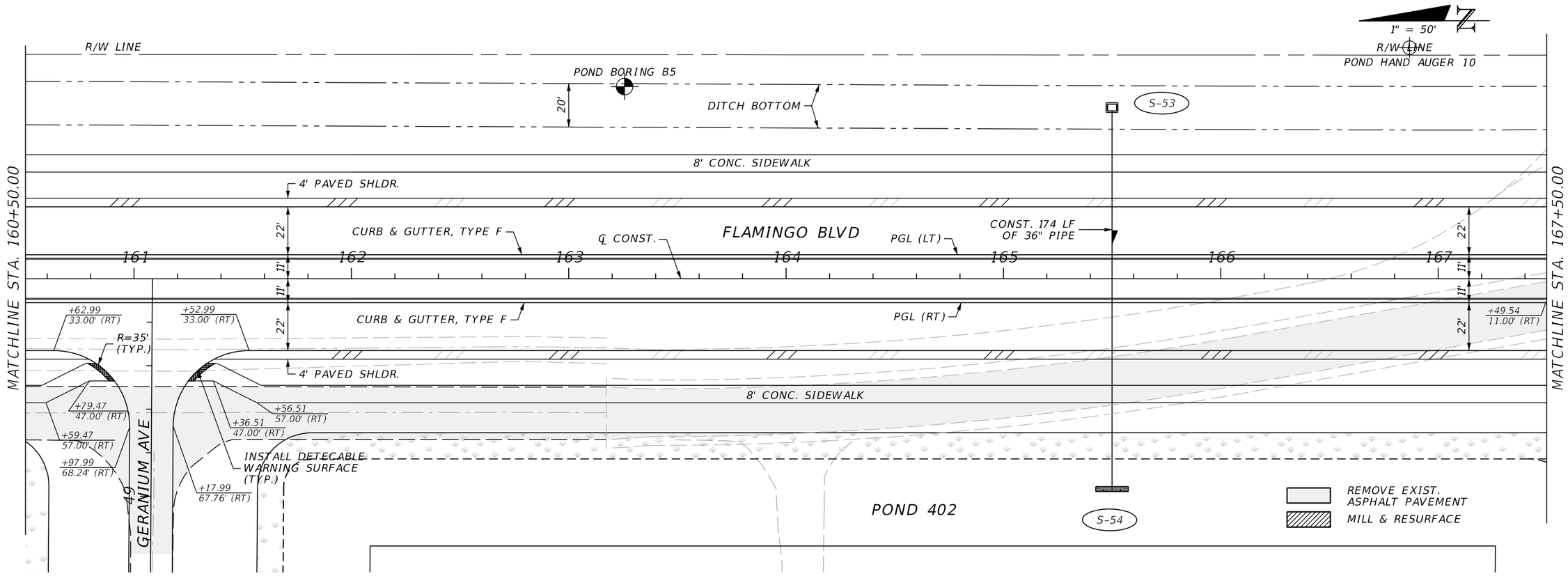

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
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RYAN K. BELL, P.E. NO. 60010

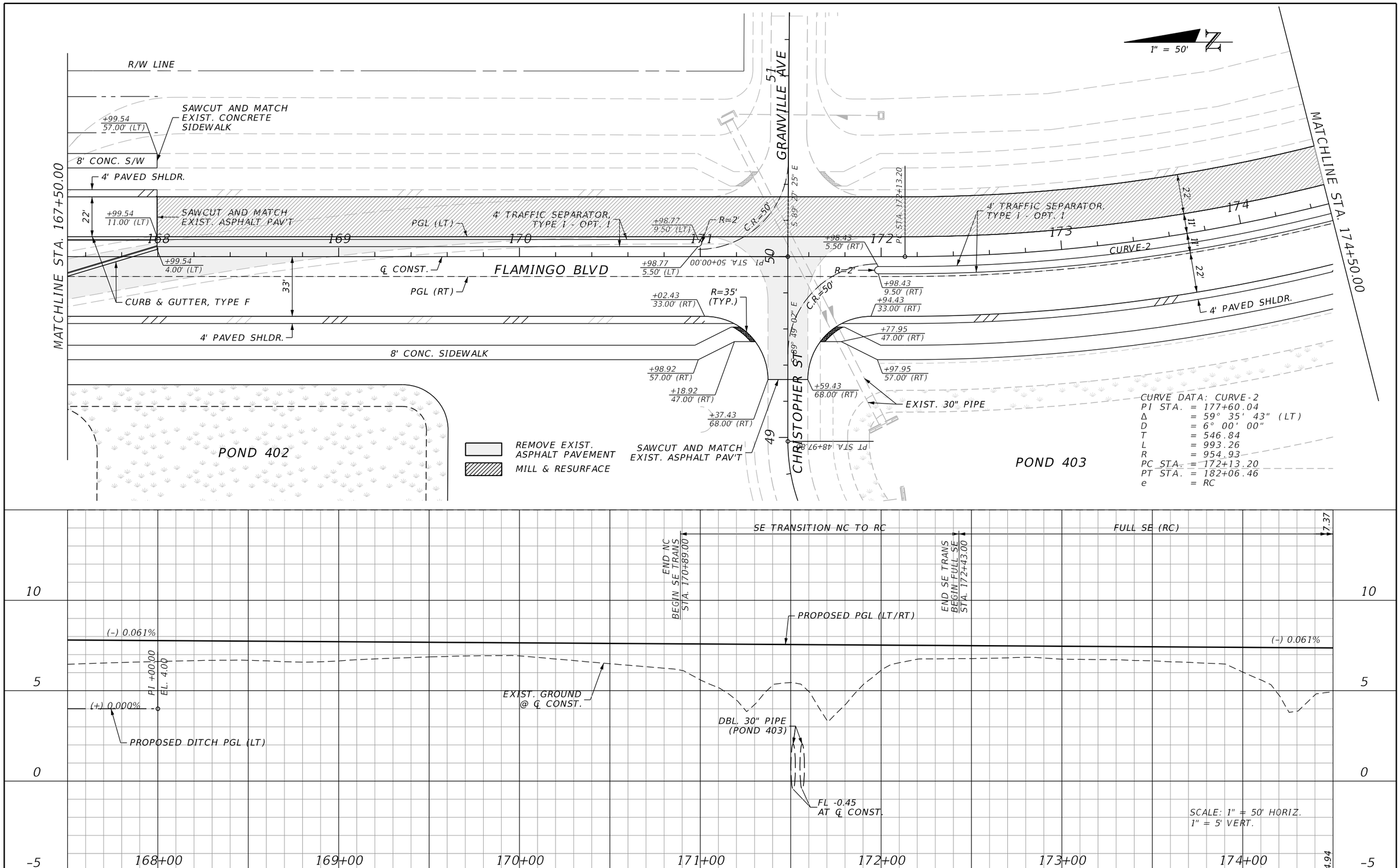
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 160+50 TO STA. 167+50

SHEET NO. 32

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

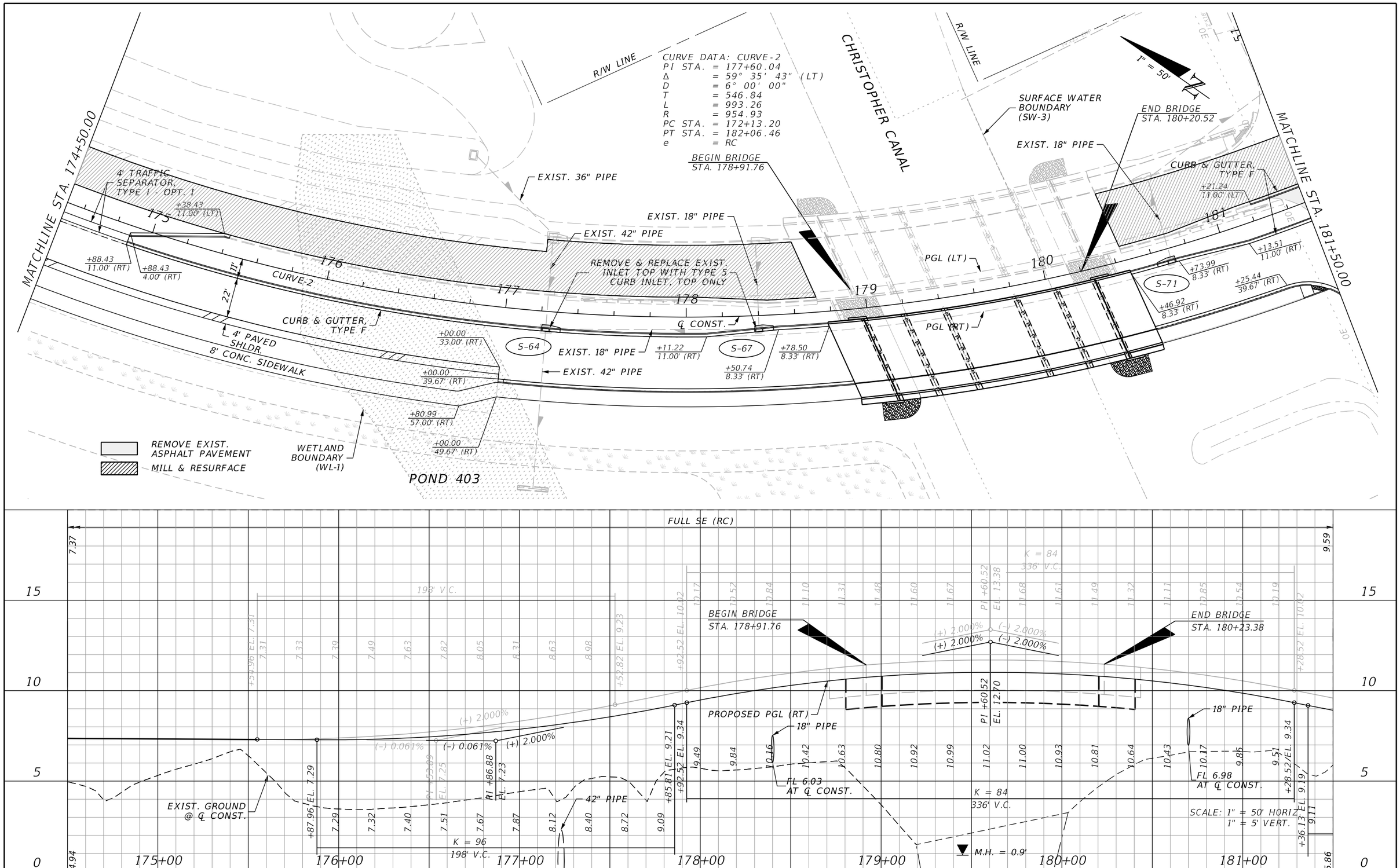
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 167+50 TO STA. 174+50

SHEET NO. 33

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 174+50 TO STA. 181+50

SHEET NO. 34

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POND BORING B6

POND HAND AUGER 11

POND HAND AUGER 12

R/W LINE

R/W LINE

1" = 50'

N

EXIST. 18" PIPE

JESSICA TERRACE

MATCHLINE STA. 181+50.00

MATCHLINE STA. 188+50.00

PT STA. 182+06.46

CURB & GUTTER, TYPE F

+09.21
11.00' (LT)

FLAMINGO BLVD

℄ CONST.

PGL (LT)

182 183 184 185 186 187 188

50

11'

22'

+09.26
33.00' (RT)

R=35'
(TYP.)

CURB & GUTTER, TYPE F

PGL (RT)

EXIST. 36" PIPE

4' PAVED SHLDR.

4' PAVED SHLDR.

8' CONC. SIDEWALK

N 30° 35' 02" E

EXIST. DBL. 36" PIPE

+92.64
49.17' (RT)

+11.84
57.00' (RT)

+76.41
68.48' (RT)

+76.45
71.47' (RT)

+57.91
72.32' (RT)

49

REMOVE EXIST.
ASPHALT PAVEMENT

MILL & RESURFACE

POND 500

9.59

END FULL SE
BEGIN SE TRANS
STA. 181+75.66

FULL SE

SE TRANSITION RC TO NC

END SE TRANS
BEGIN NC
STA. 181+75.66

192' V.C.

+70.18
EL. 9.19

9.00 8.64 8.32 8.04 7.81 7.62 7.47 7.36 7.29 7.27

+62.10
EL. 7.27

7.26

10

PROPOSED PGL (RT)

PROPOSED PGL (LT/RT)

(-) 2.000%

(-) 0.001%

(-) 0.001%

5

PI +32.13
EL. 7.27

PI +66.14
EL. 7.27

8.74 8.41 8.12 7.88 7.67 7.51 7.39 7.31 7.27

+28.13 EL. 7.27

K = 96
192' V.C.

EXIST. GROUND
@ ℄ CONST.

36" PIPE
(POND 500)

0

DBL. 36" PIPE
(POND 500)

FL -1.15
AT ℄ CONST.

FL -1.14
AT ℄ CONST.

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

-5

5.86

182+00 183+00 184+00 185+00 186+00 187+00 188+00

5.89

REVISIONS			
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JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

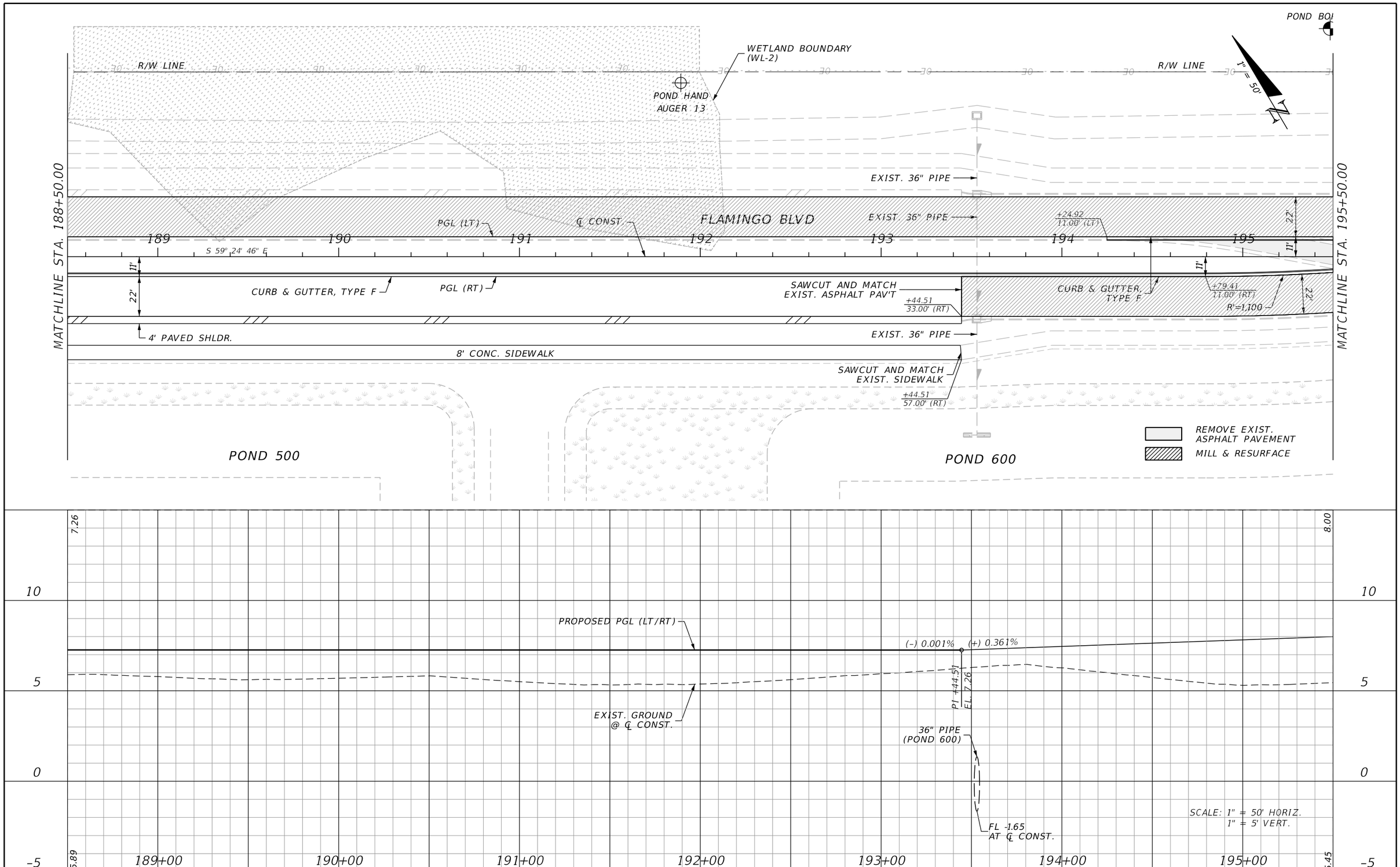
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 181+50 TO STA. 188+50

SHEET NO. 35

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
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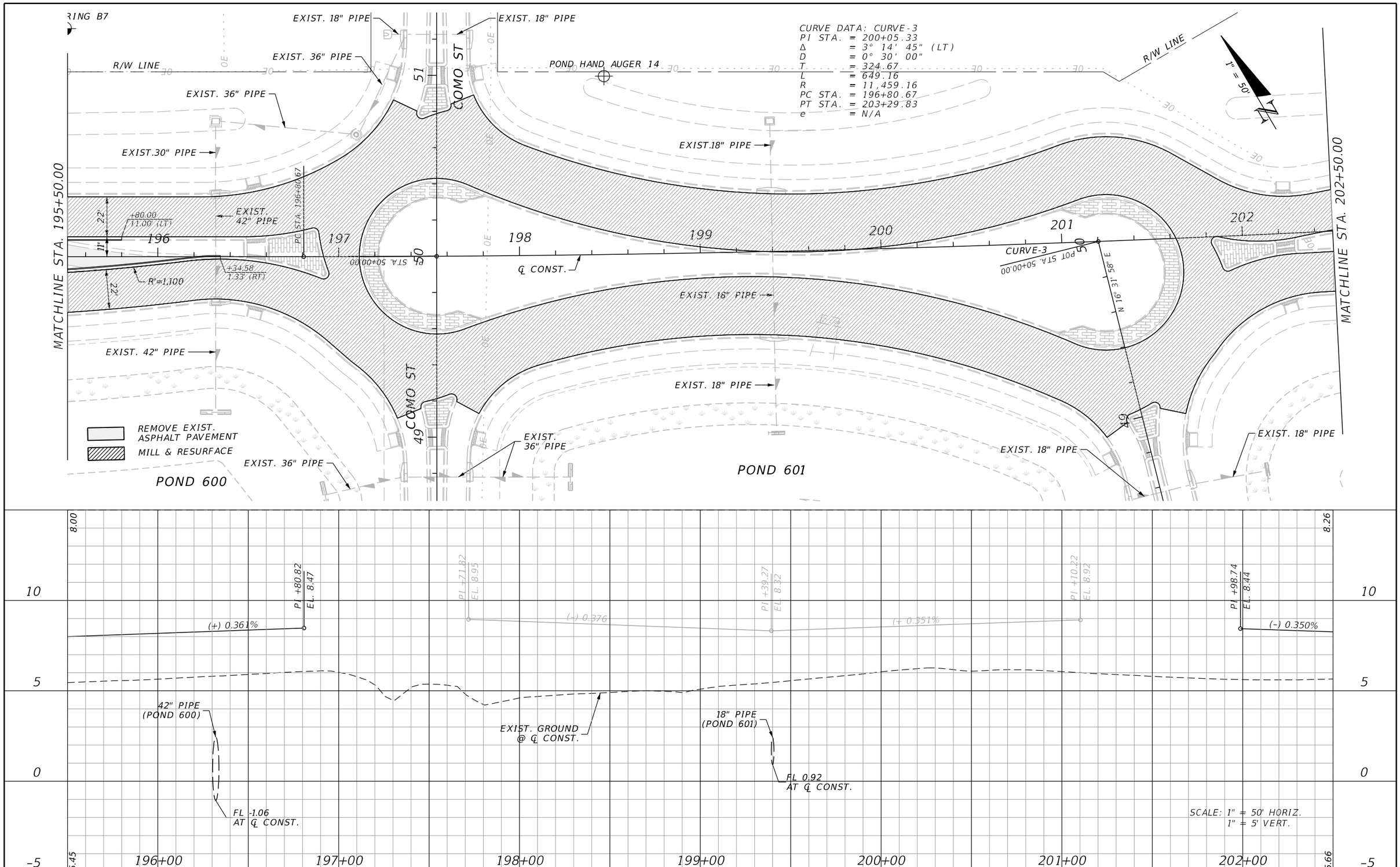
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 188+50 TO STA.195+50

SHEET NO. 36

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
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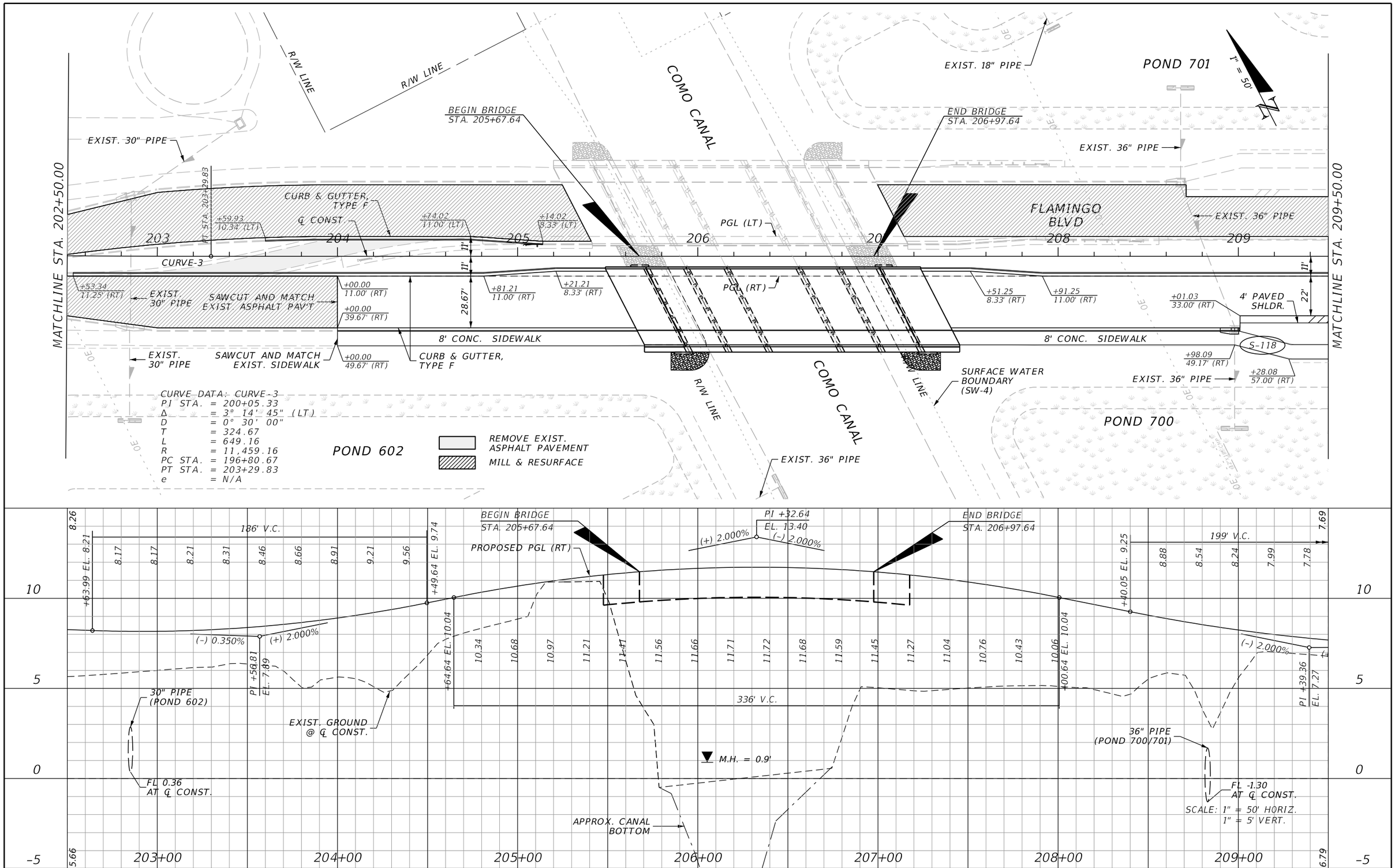
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 195+50 TO STA. 202+50

SHEET NO. 37

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

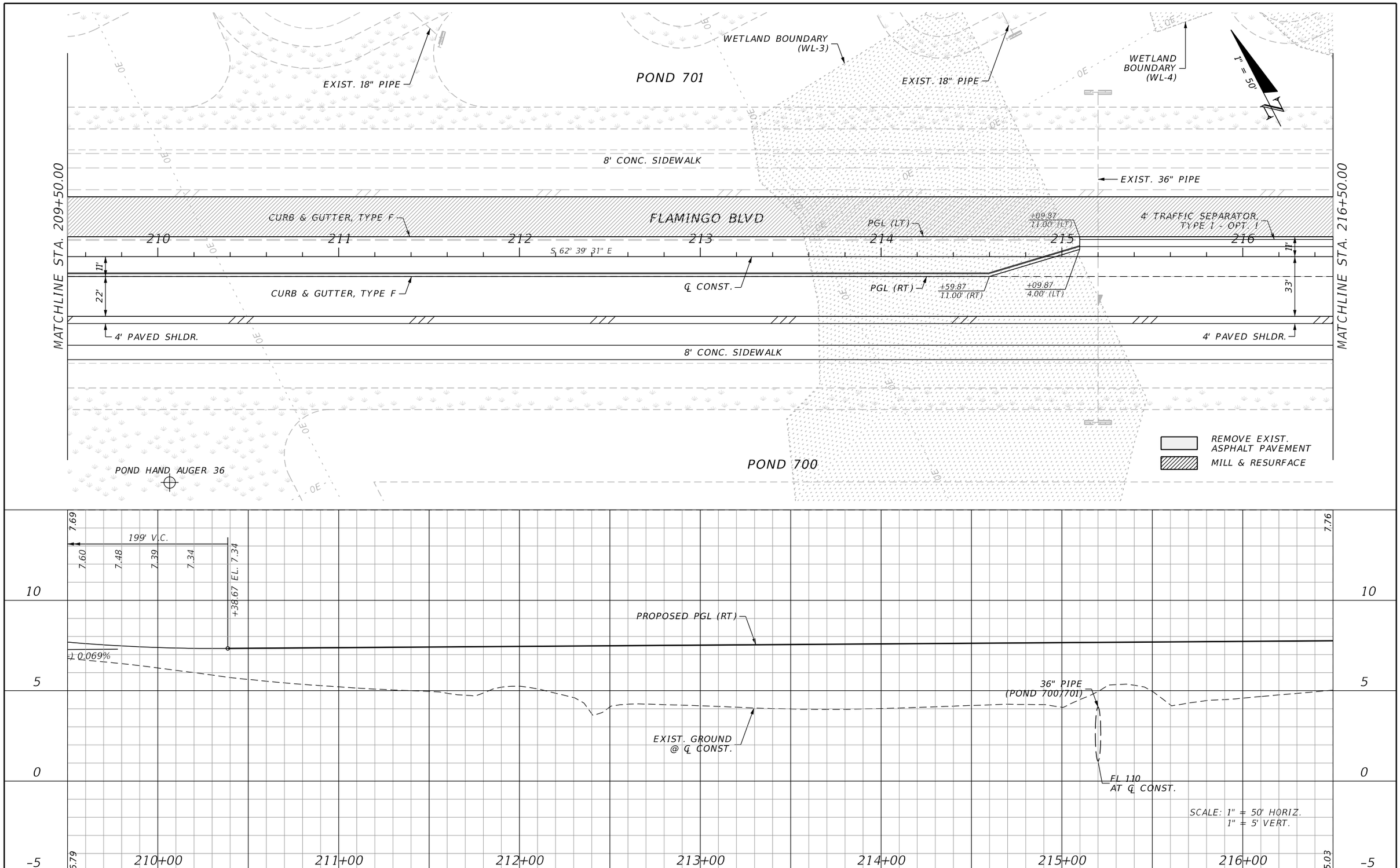
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 202+50 TO STA. 209+50

SHEET NO. 38

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 209+50 TO STA. 216+50

SHEET NO. 39

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POND 701

EXIST. 18" PIPE

WETLAND BOUNDARY (WL-4)

POND HAND AUGER 15

EXIST. 18" PIPE

EXIST. 24" PIPE

POND 801

POND BORING B8

1" = 50'

EXIST. 36" PIPE

JERNIGAN ST

51

49

PC STA. 50+44.68

PT STA. 49+60.83

MATCHLINE STA. 216+50.00

MATCHLINE STA. 223+50.00

4' TRAFFIC SEPARATOR, TYPE I - OPT. I

FLAMINGO BLVD

217 218 219 220 221 222 223

+99.87 11.00' (LT)

+99.87 9.50' (LT)

+99.87 5.50' (LT)

+99.87 33.00' (RT)

+98.91 4.00' (RT)

+00.98 5.50' (RT)

+00.98 9.50' (RT)

+98.91 33.00' (RT)

+91.48 4.00' (RT)

+91.48 11.00' (RT)

R=2'

C.R.=50'

℄ CONST.

SAWCUT AND MATCH EXIST. ASPHALT PAV'T

4' TRAFFIC SEPARATOR, TYPE I - OPT. I

PGL (LT)

PGL (RT)

PC STA. 221+38.28

CURVE-4

CURB & GUTTER, TYPE F

11'

33'

22'

4' PAVED SHLDR.

8' CONC. SIDEWALK

+03.50 57.00' (RT)

+23.50 47.00' (RT)

+02.42 57.00' (RT)

+82.42 47.00' (RT)

INSTALL DETECABLE WARNING SURFACE (TYP.)

POND 700

POND 800

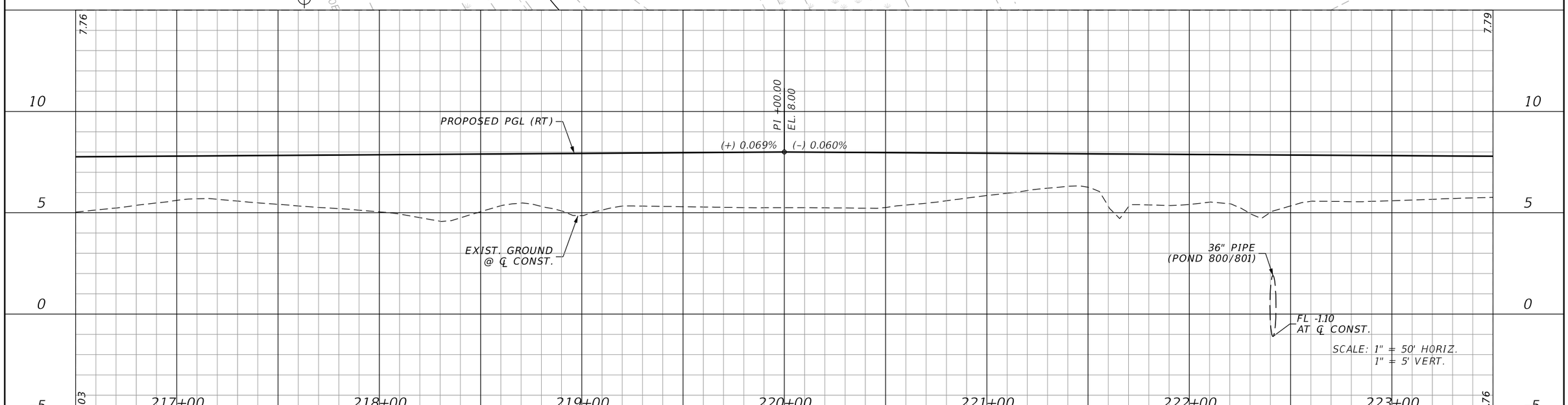
POND HAND AUGER 35

REMOVE EXIST. ASPHALT PAVEMENT

MILL & RESURFACE

CURVE DATA: CURVE-4

PI STA.	=	225+27.33
Δ	=	15° 28' 03" (RT)
D	=	2° 00' 00"
T	=	389.05
L	=	773.37
R	=	2,864.79
PC STA.	=	221+38.28
PT STA.	=	229+11.65
e	=	N/A



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

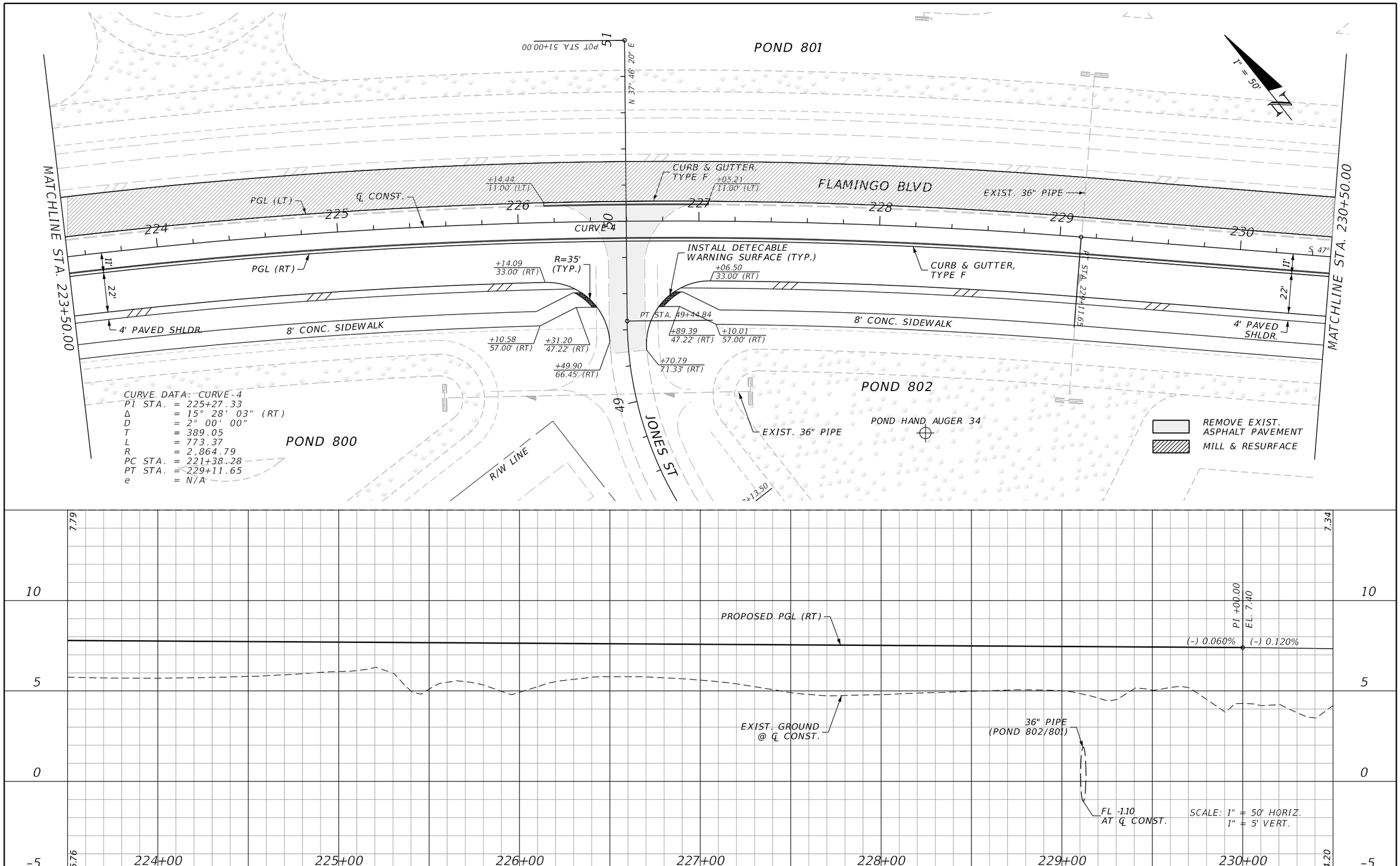
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 216+50 TO STA. 223+50

SHEET NO. 40

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
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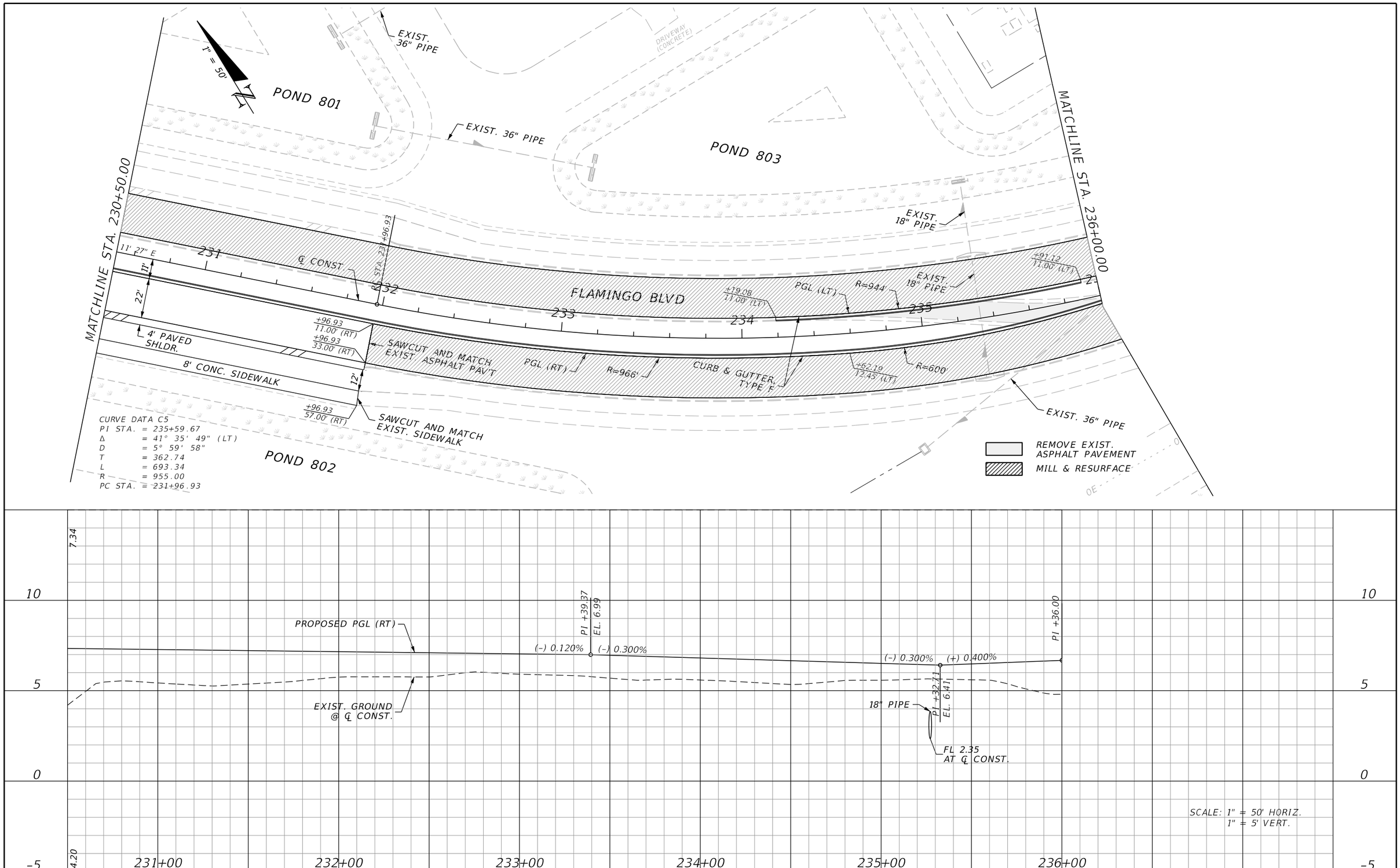
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 223+50 TO STA. 230+50

SHEET NO. 41

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

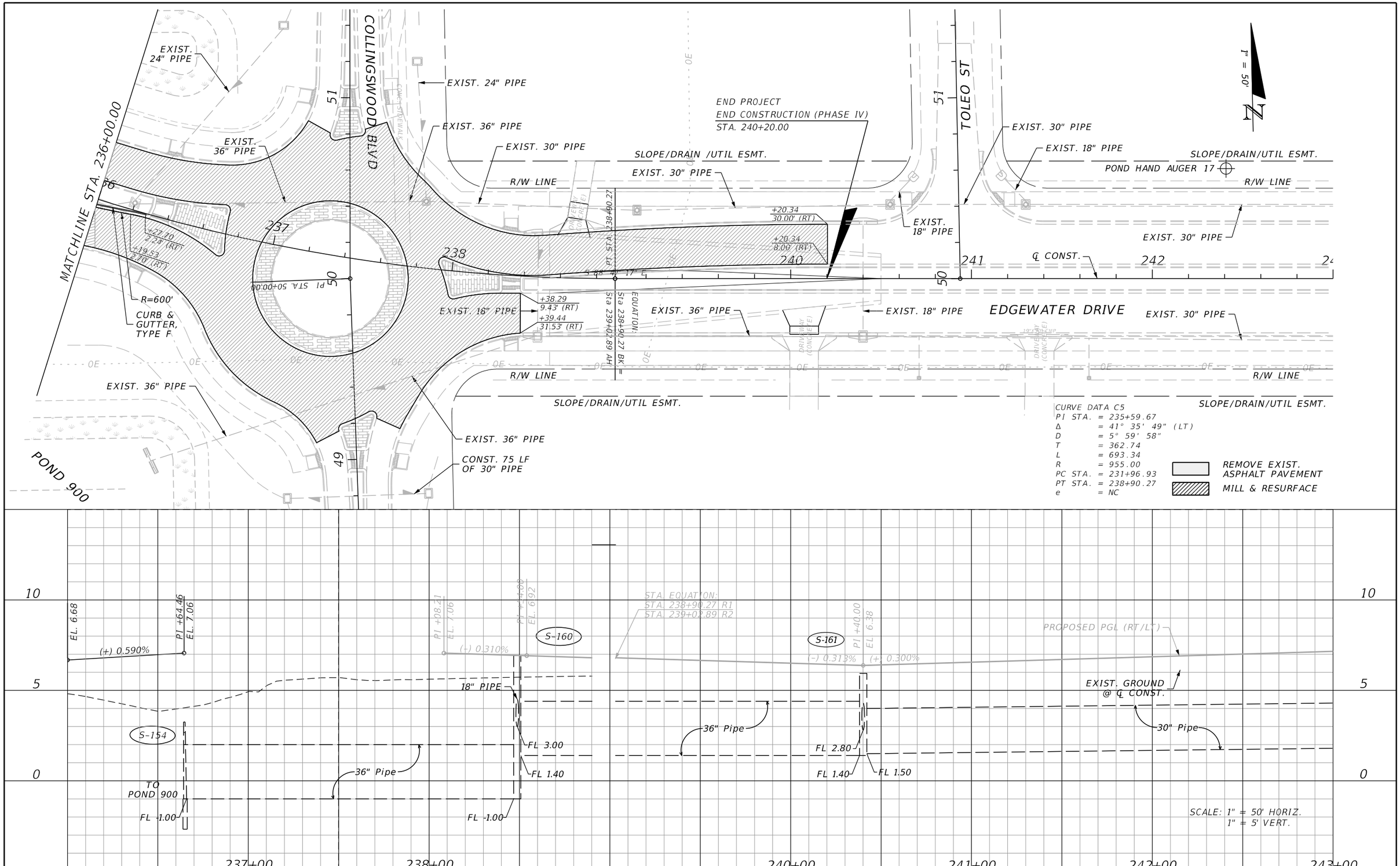
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 230+50 TO STA. 236+00

SHEET NO. 42

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

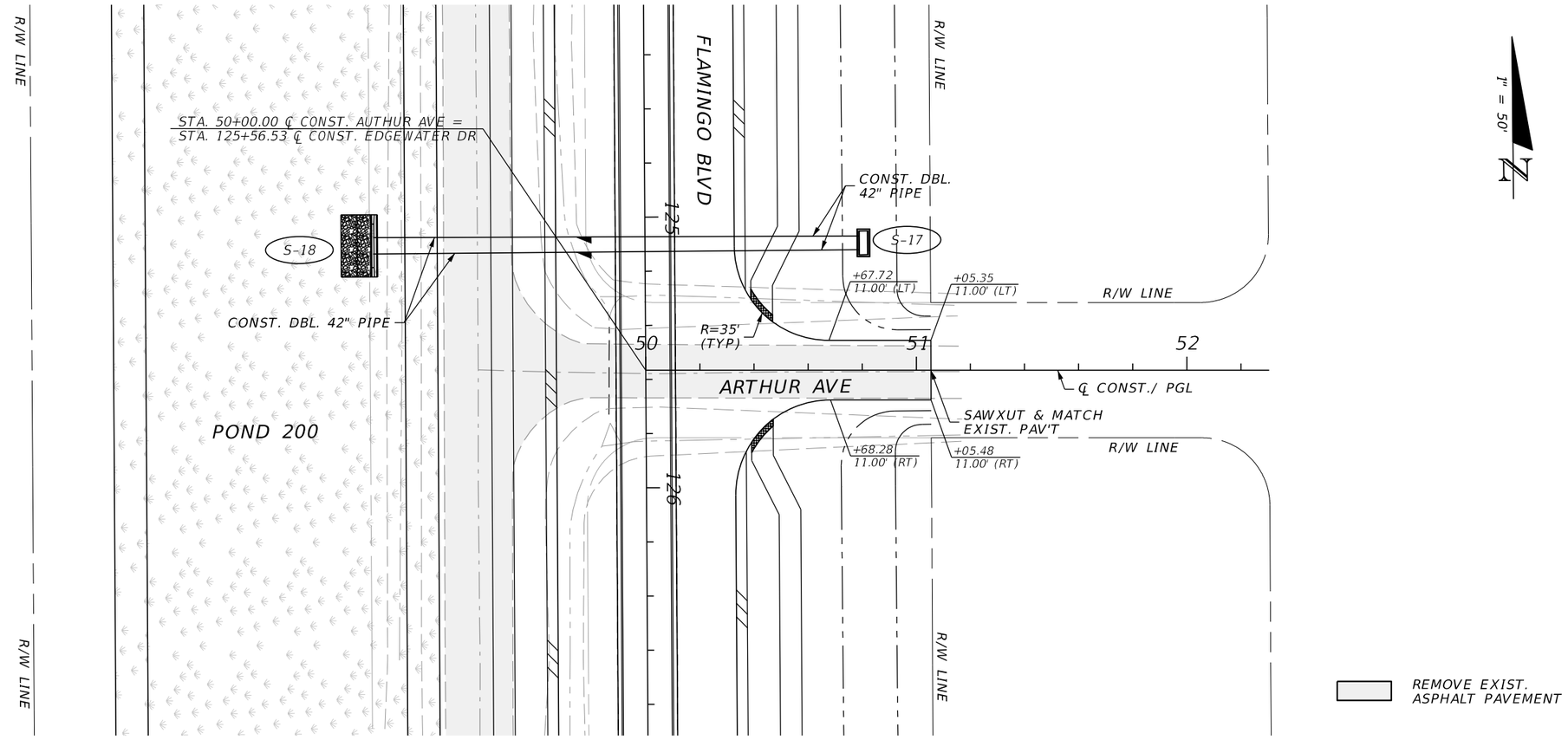
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

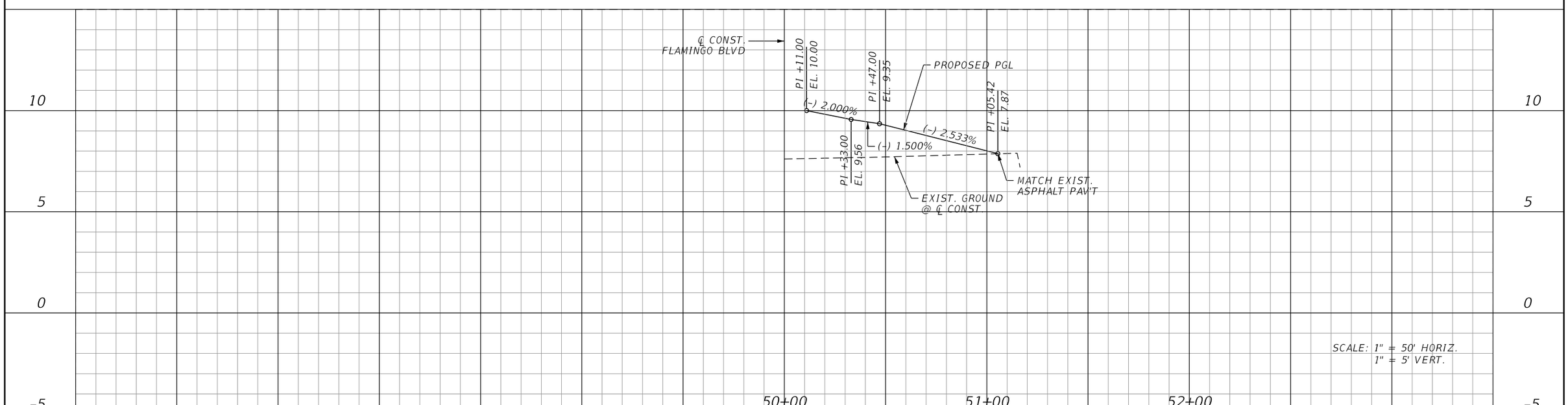
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
STA. 236+00 TO STA. 243+00

SHEET NO. 43

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

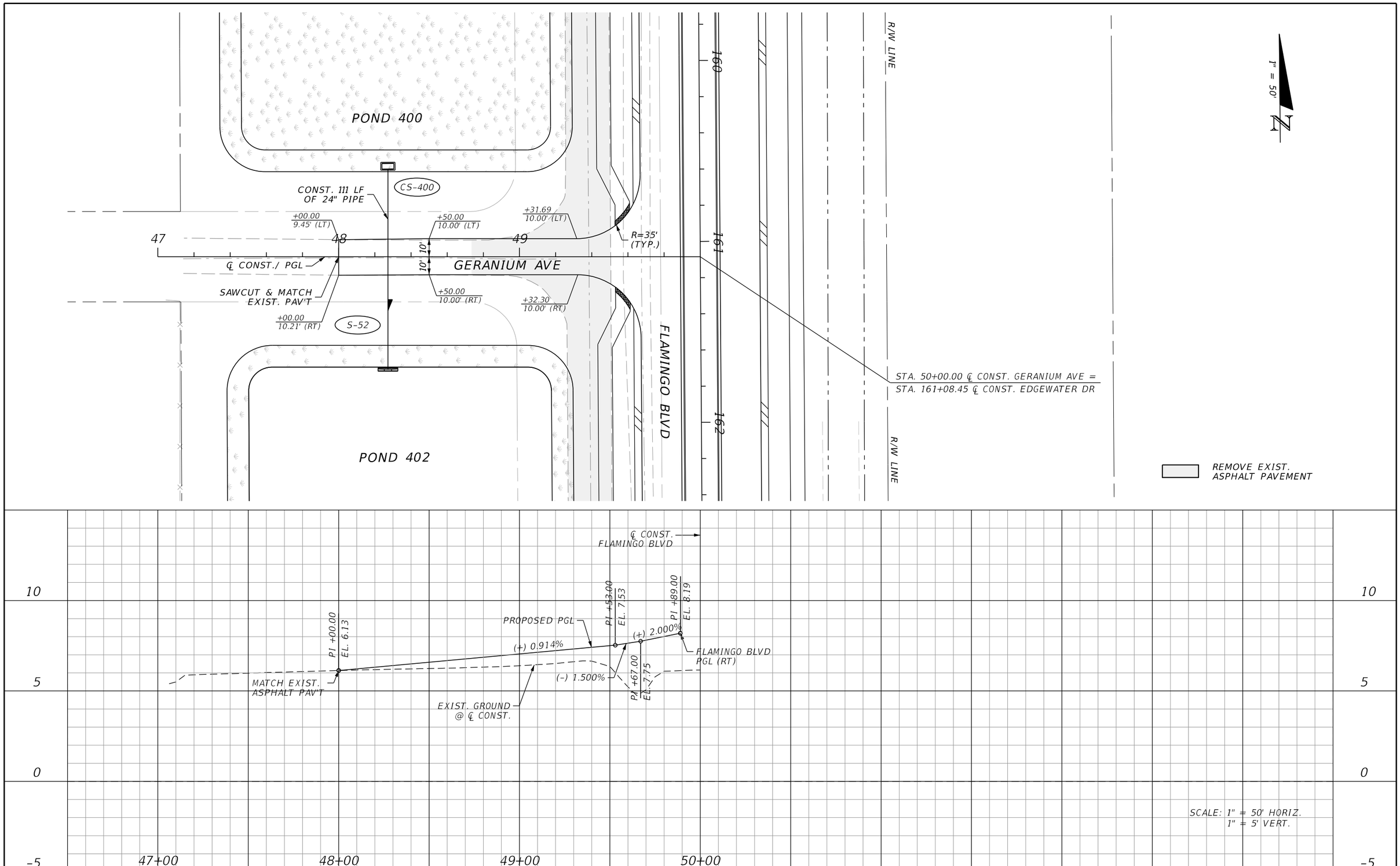
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
ARTHUR AVE

SHEET NO. 44

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

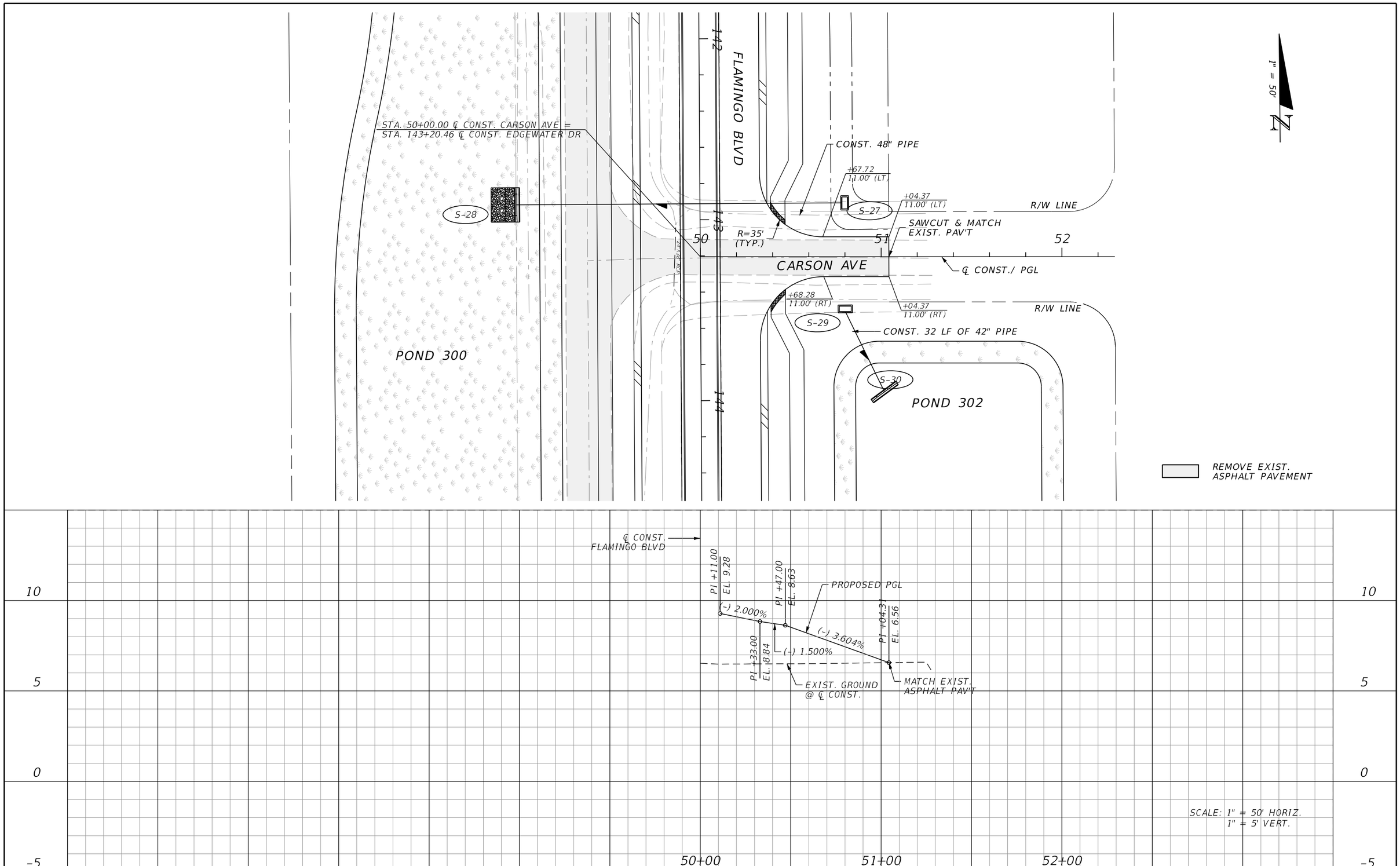
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
GERANIUM AVE

SHEET NO.
45

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

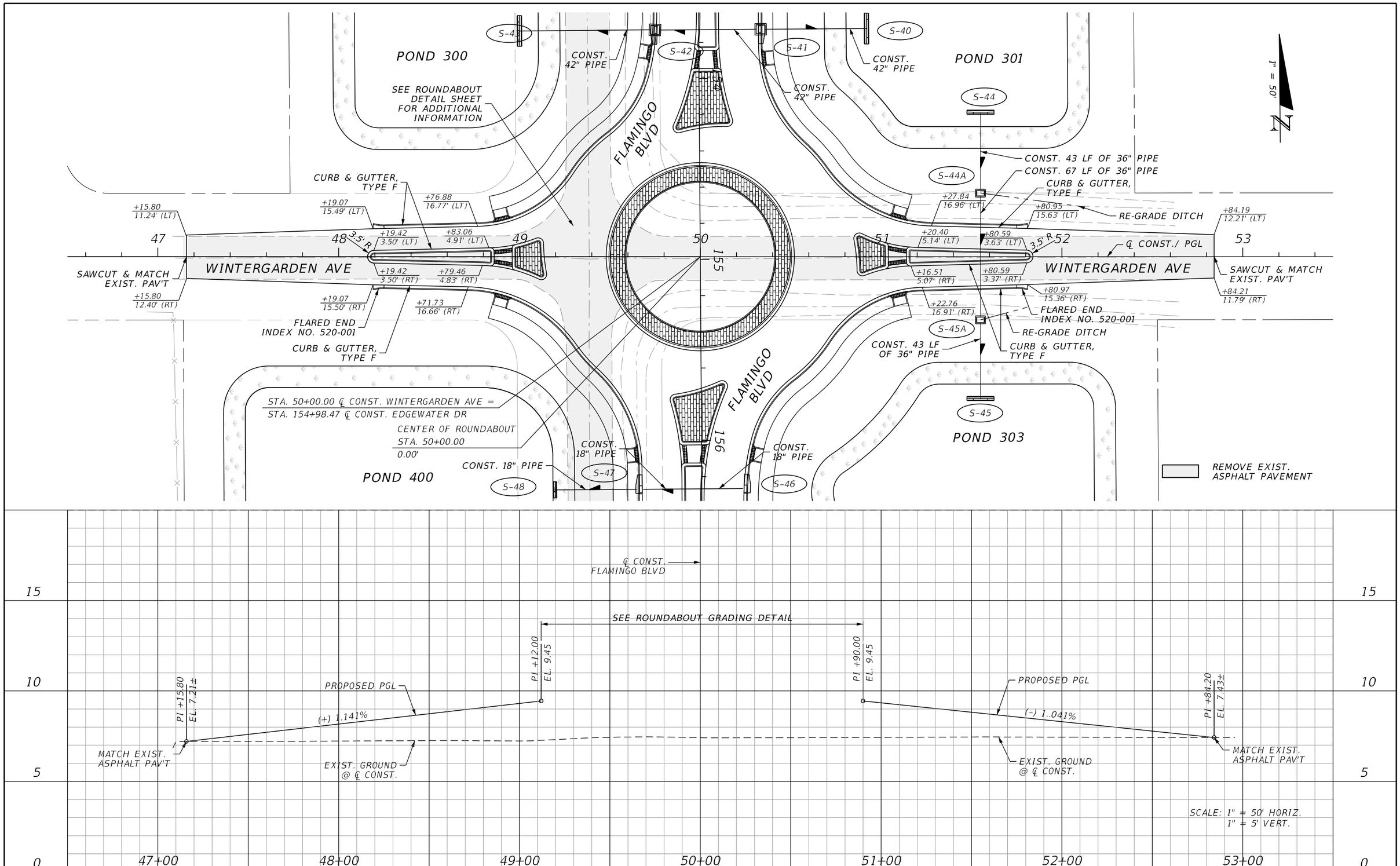
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
CARSON AVE

SHEET NO.
46

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

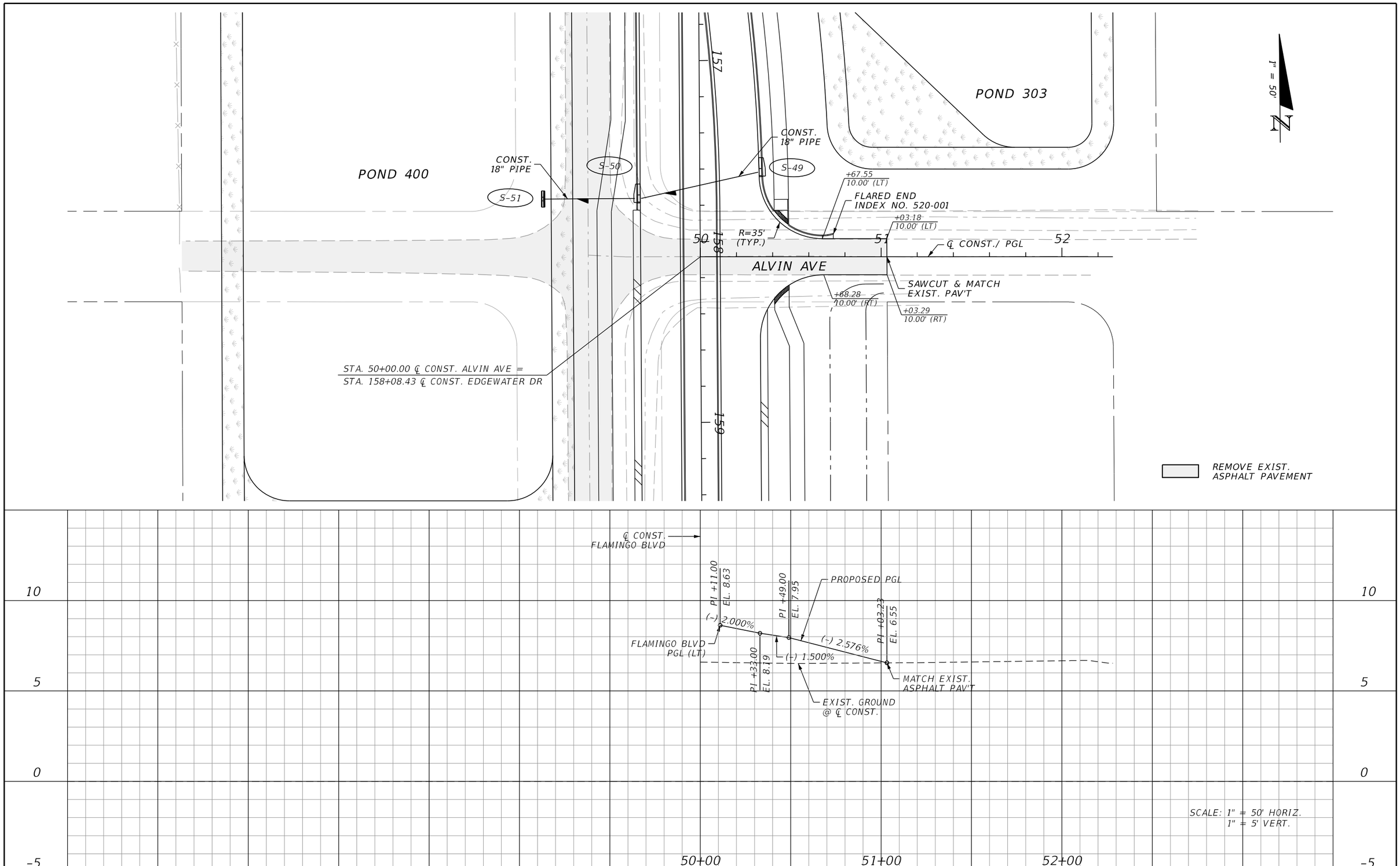
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
WINTERGARDEN AVE

SHEET NO. 47

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
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RYAN K. BELL, P.E. NO. 60010

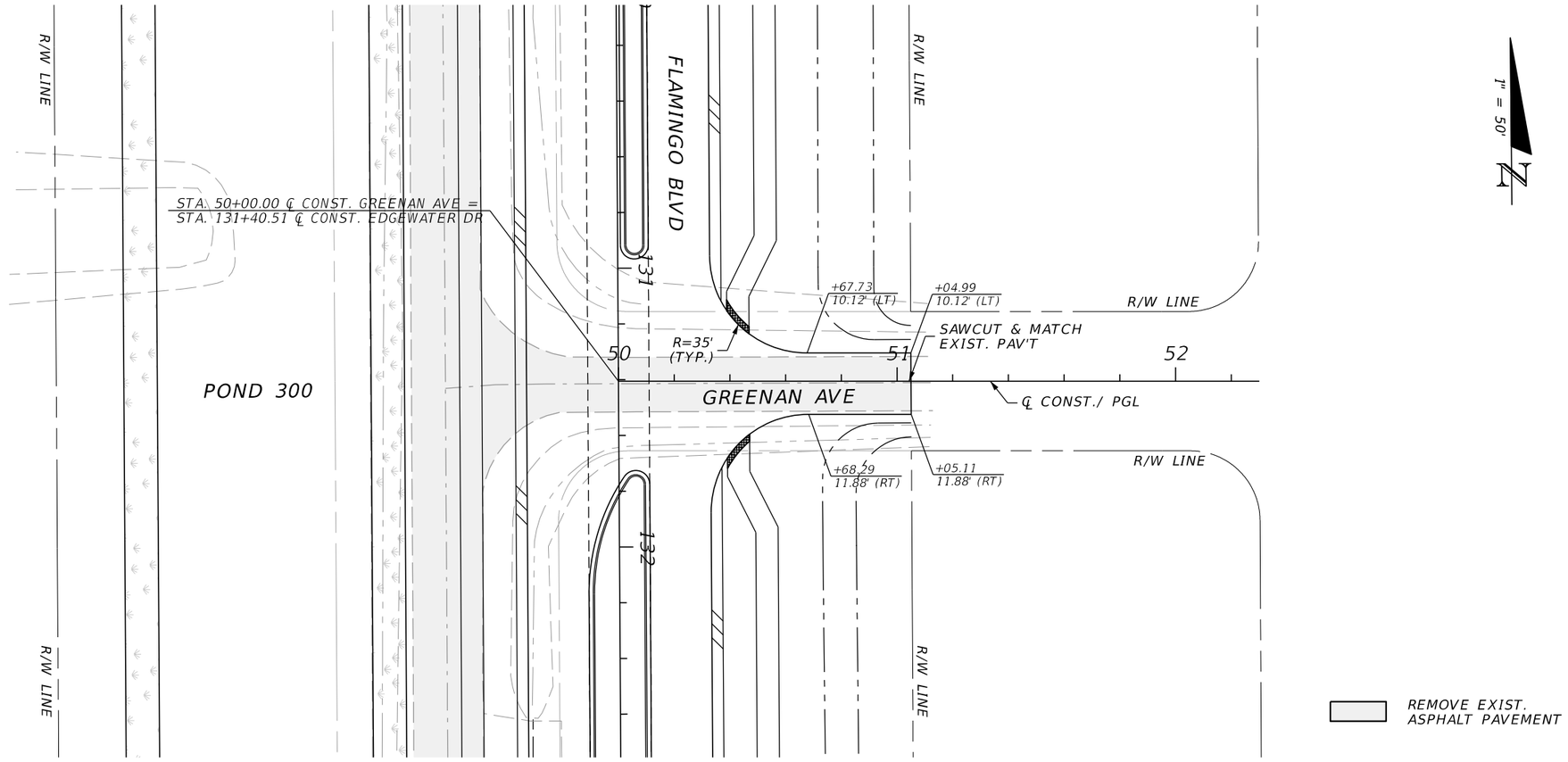
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

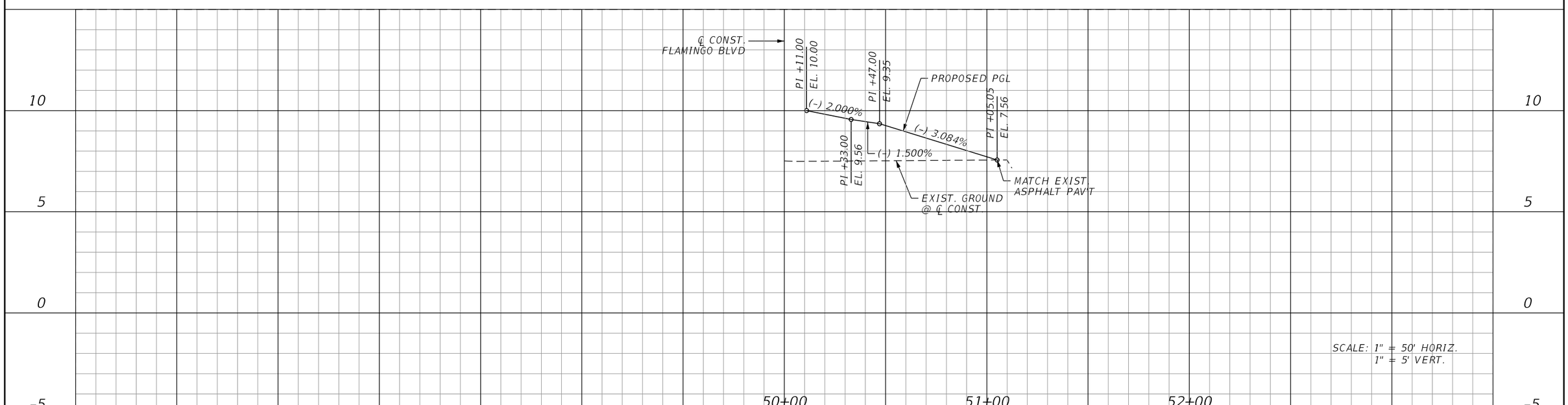
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
ALVIN AVE

SHEET NO. 48

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

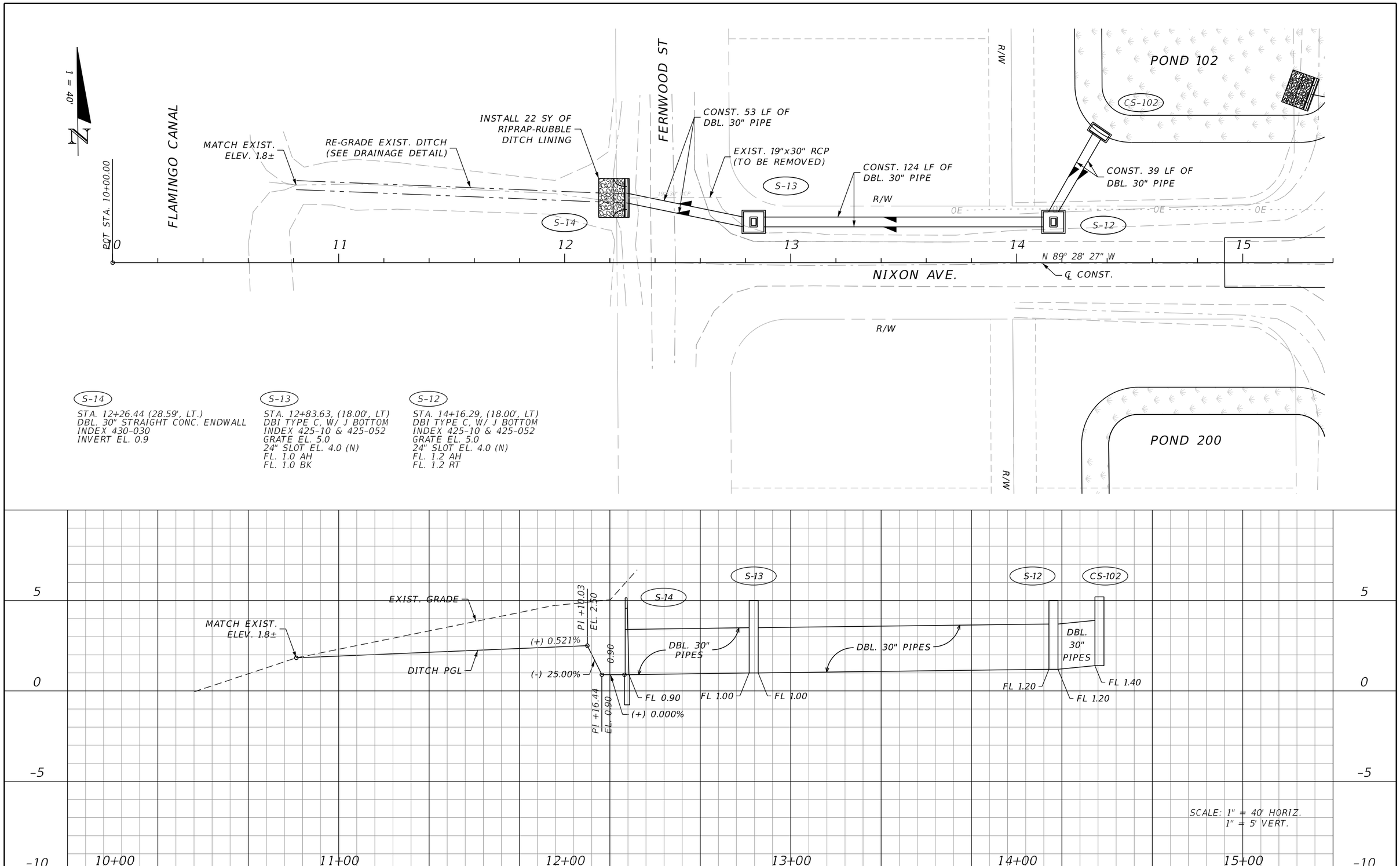
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
GREENAN AVE

SHEET NO. 49

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

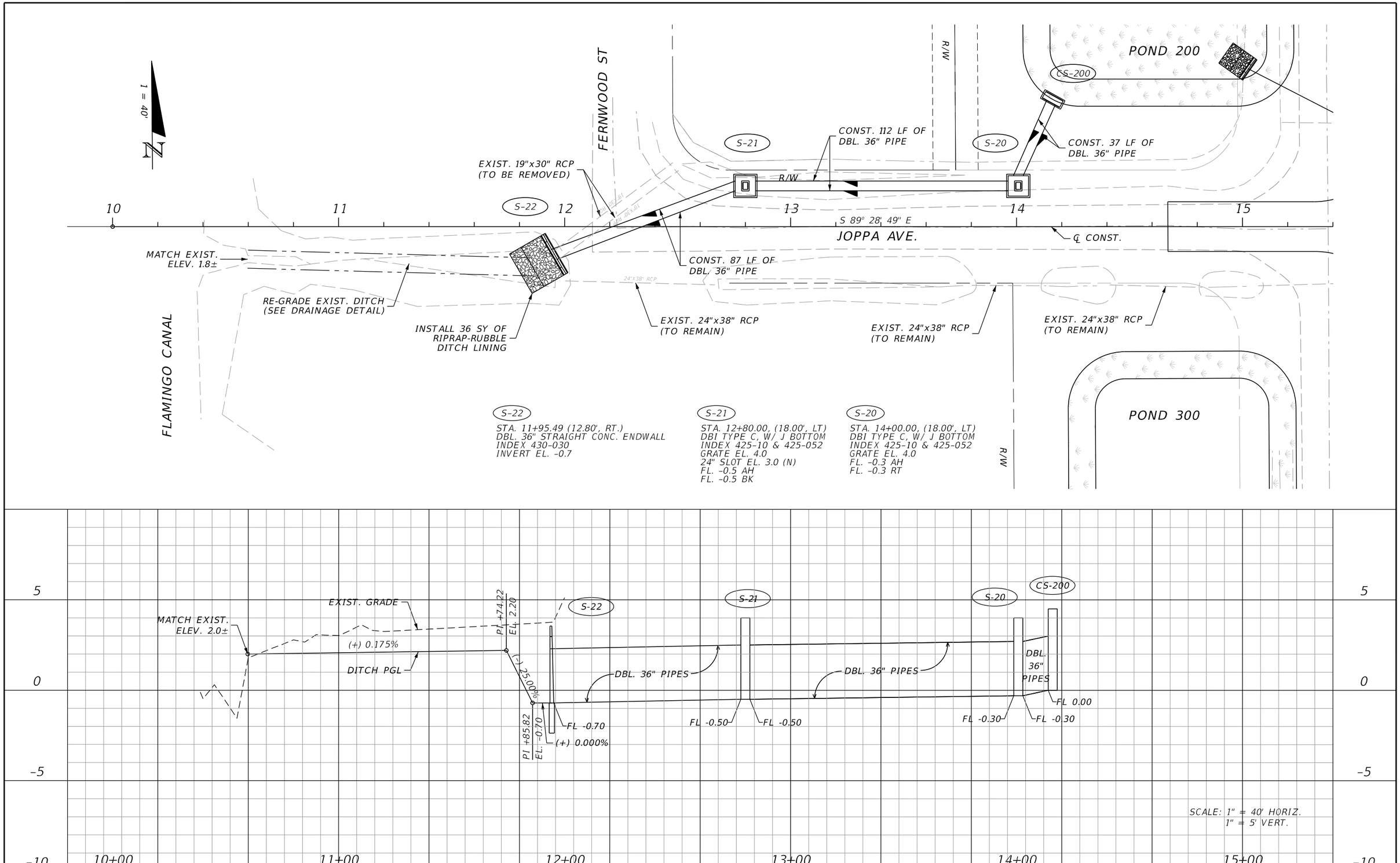
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
OUTFALL 102

SHEET NO.
50

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

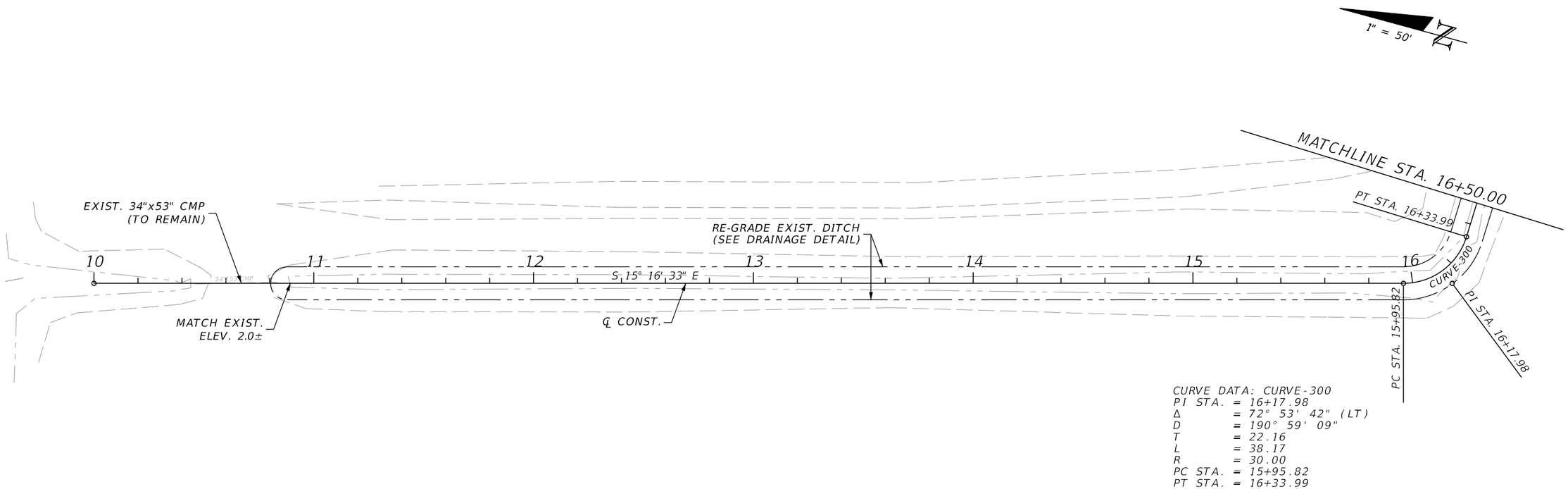
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

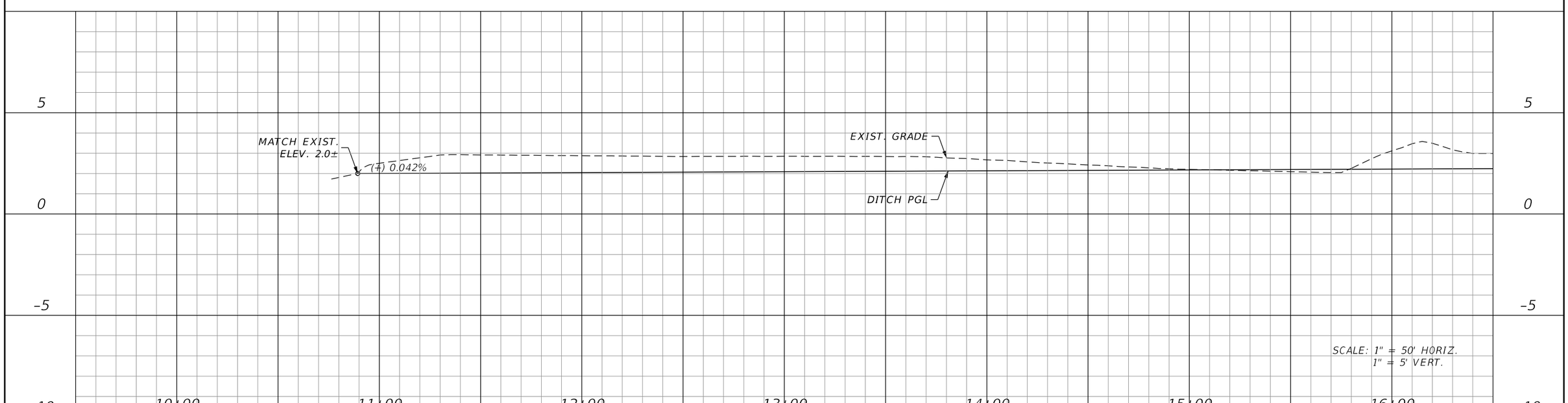
PLAN & PROFILE
OUTFALL 200

SHEET NO.
51

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CURVE DATA: CURVE-300
PI STA. = 16+17.98
Δ = 72° 53' 42" (LT)
D = 190° 59' 09"
T = 22.16
L = 38.17
R = 30.00
PC STA. = 15+95.82
PT STA. = 16+33.99



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
OUTFALL 300

SHEET NO.
52

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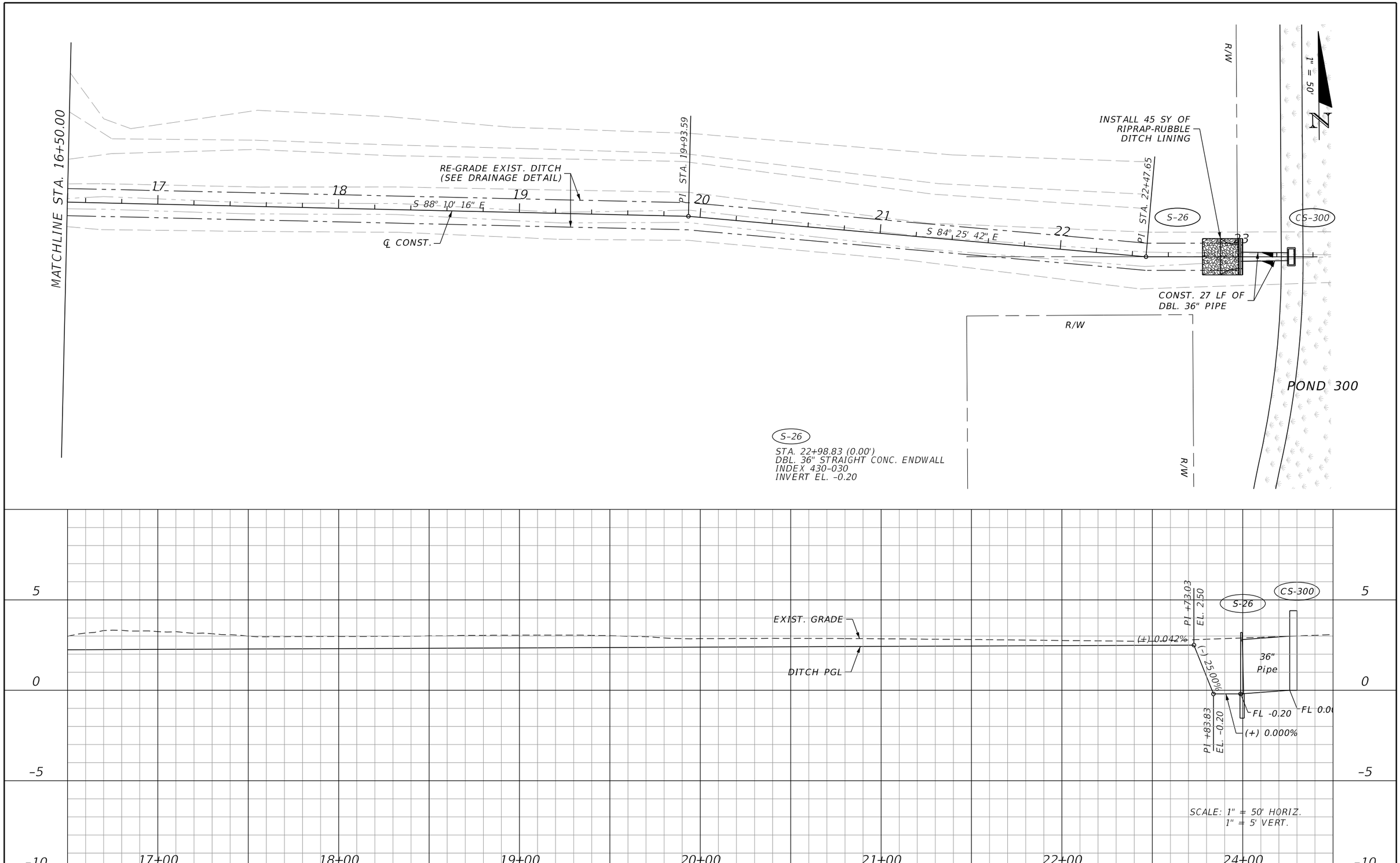

REVISIONS			
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2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

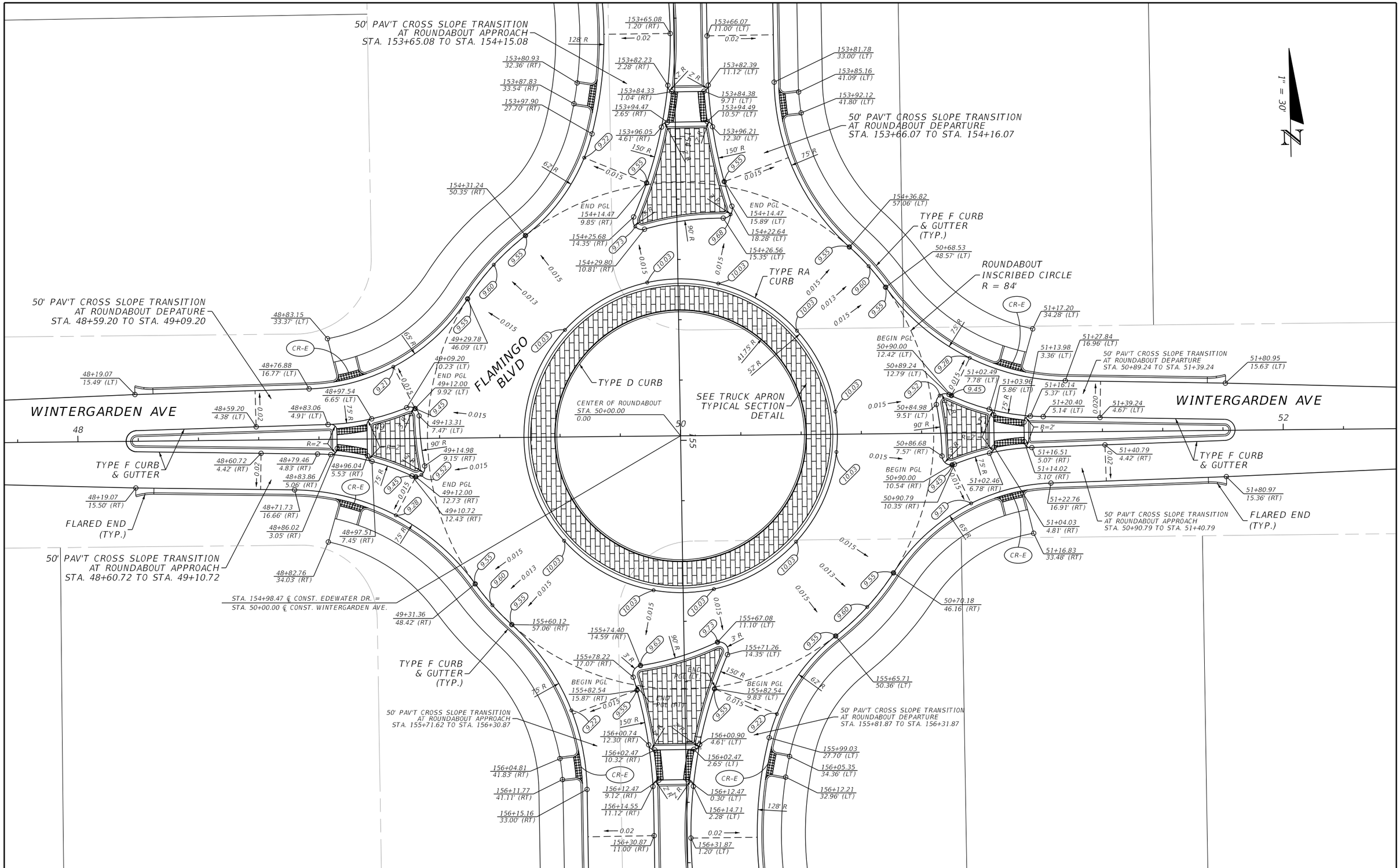
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

PLAN & PROFILE
OUTFALL 300

SHEET NO.
53

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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2122 JOHNSON STREET
FORT MYERS, FL 33901
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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

ROUNDABOUT DETAIL WINTERGARDEN AVE

SHEET NO. 54

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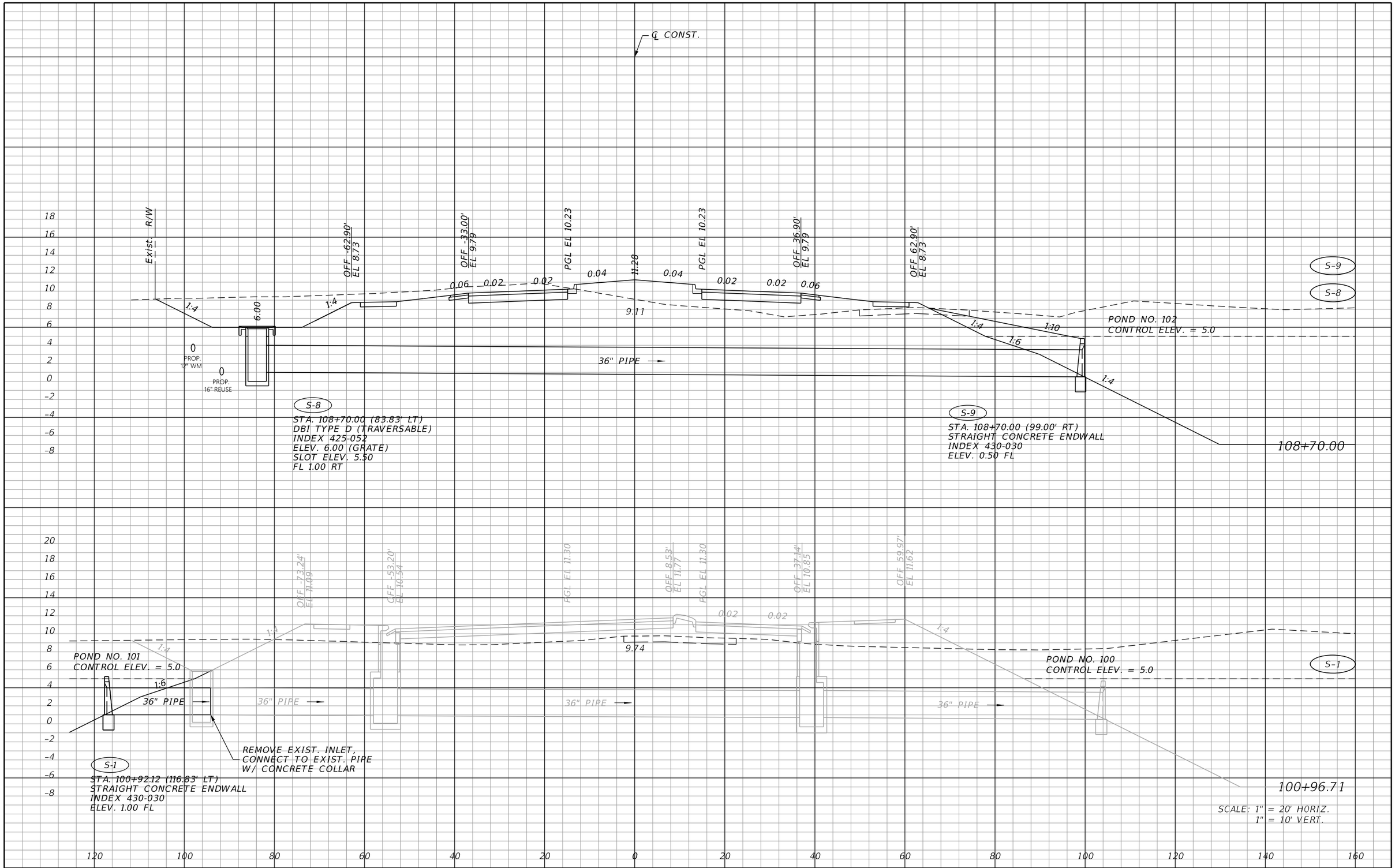

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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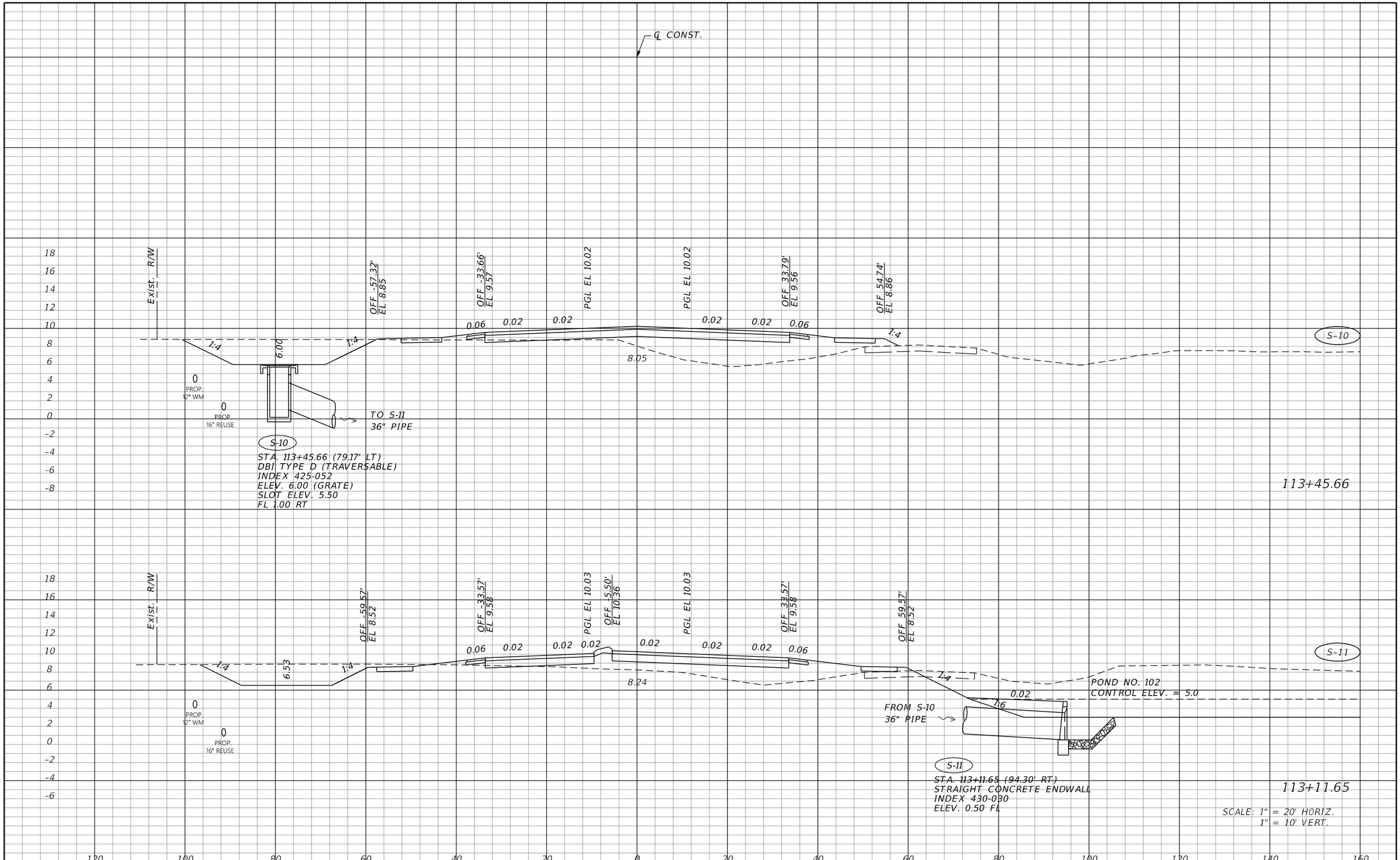
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 55



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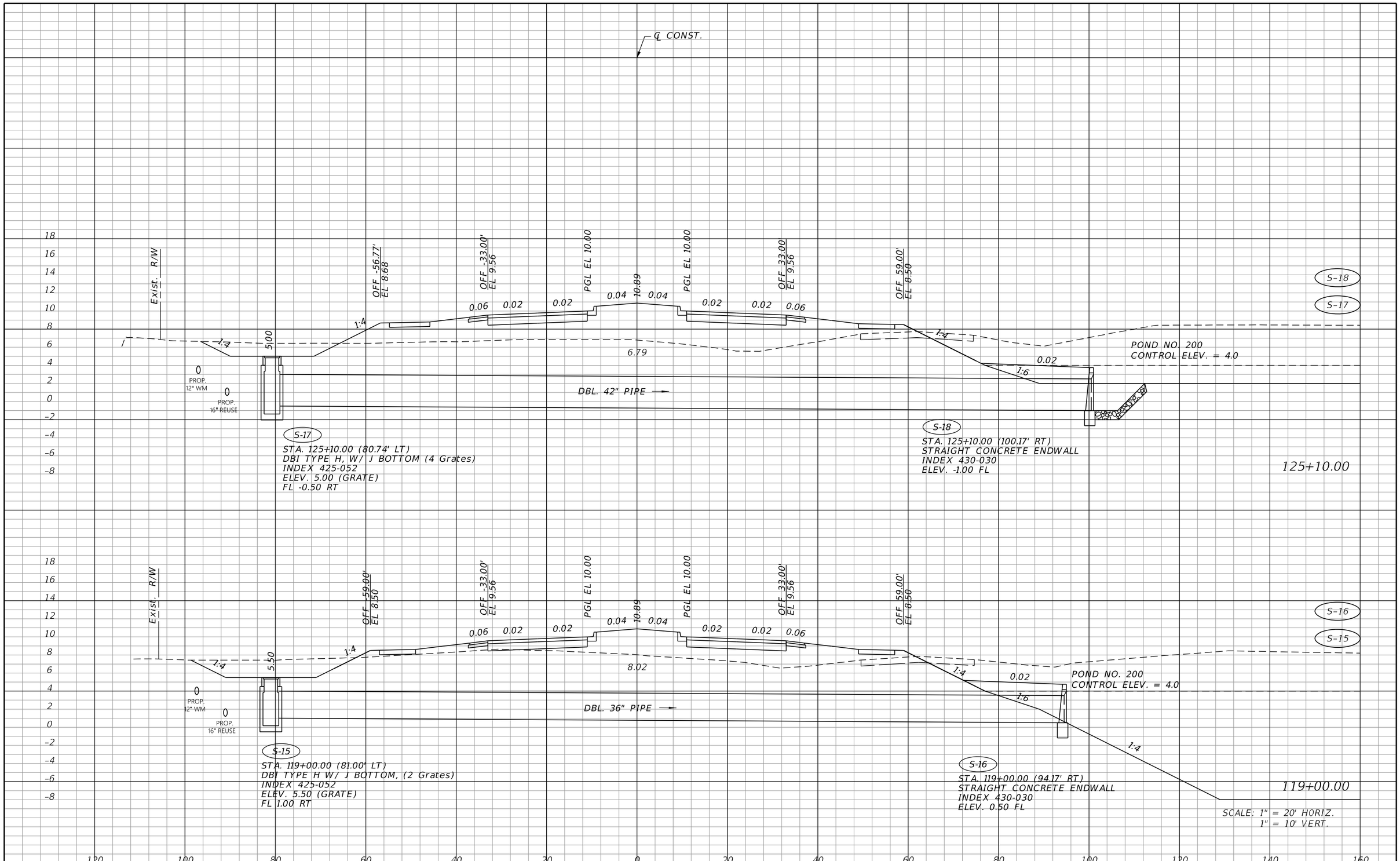
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 56



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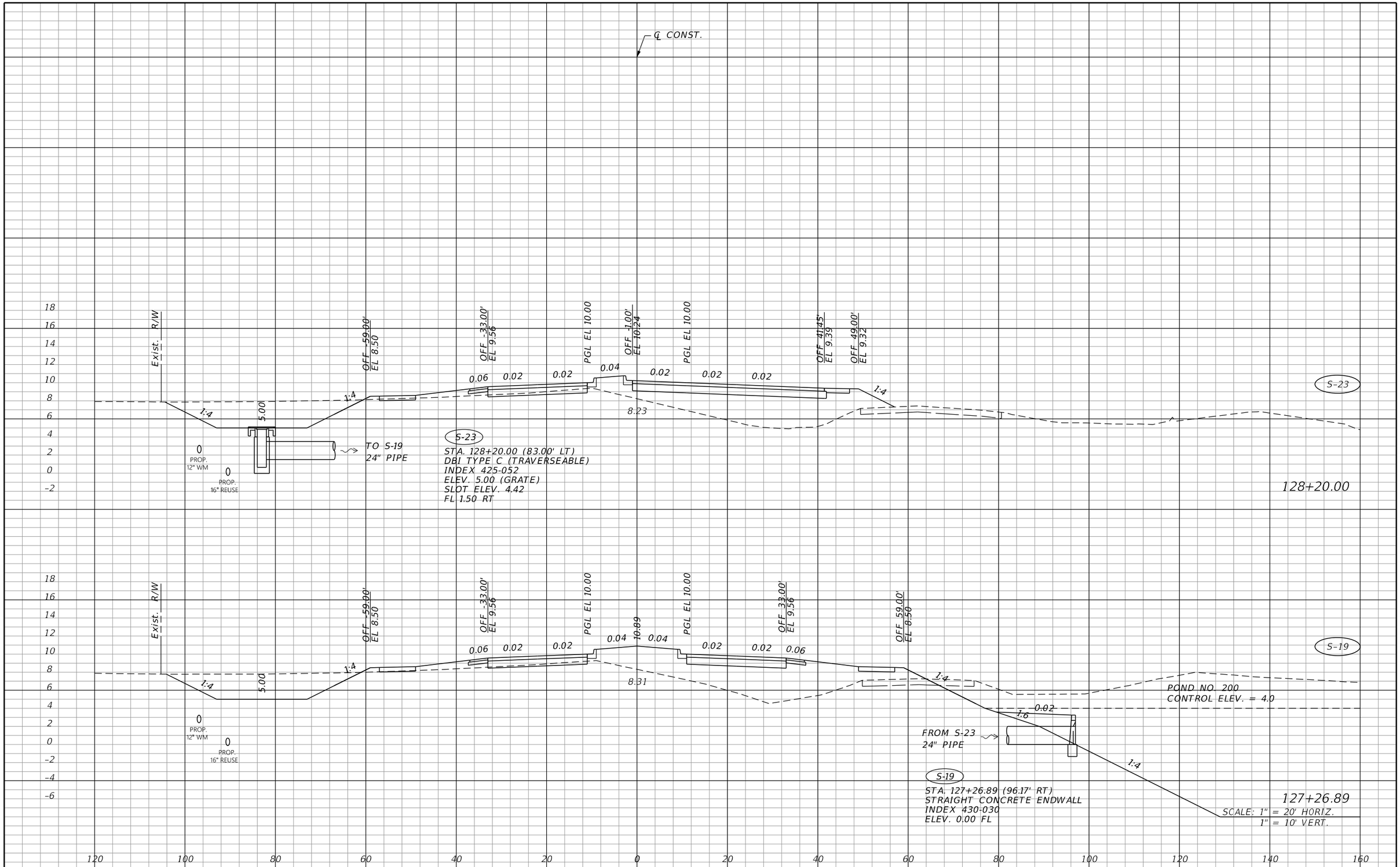
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 57

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
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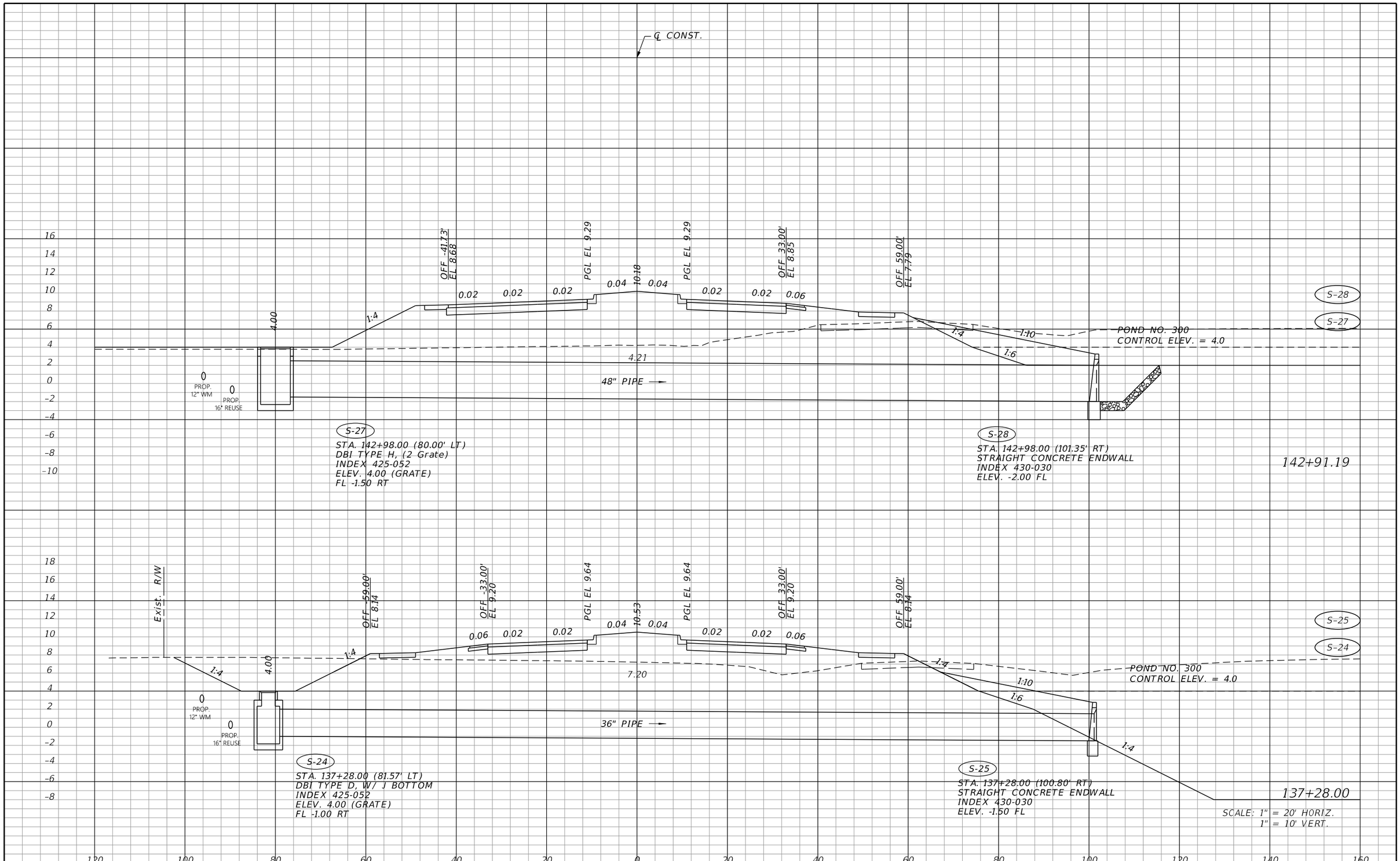
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO.
58

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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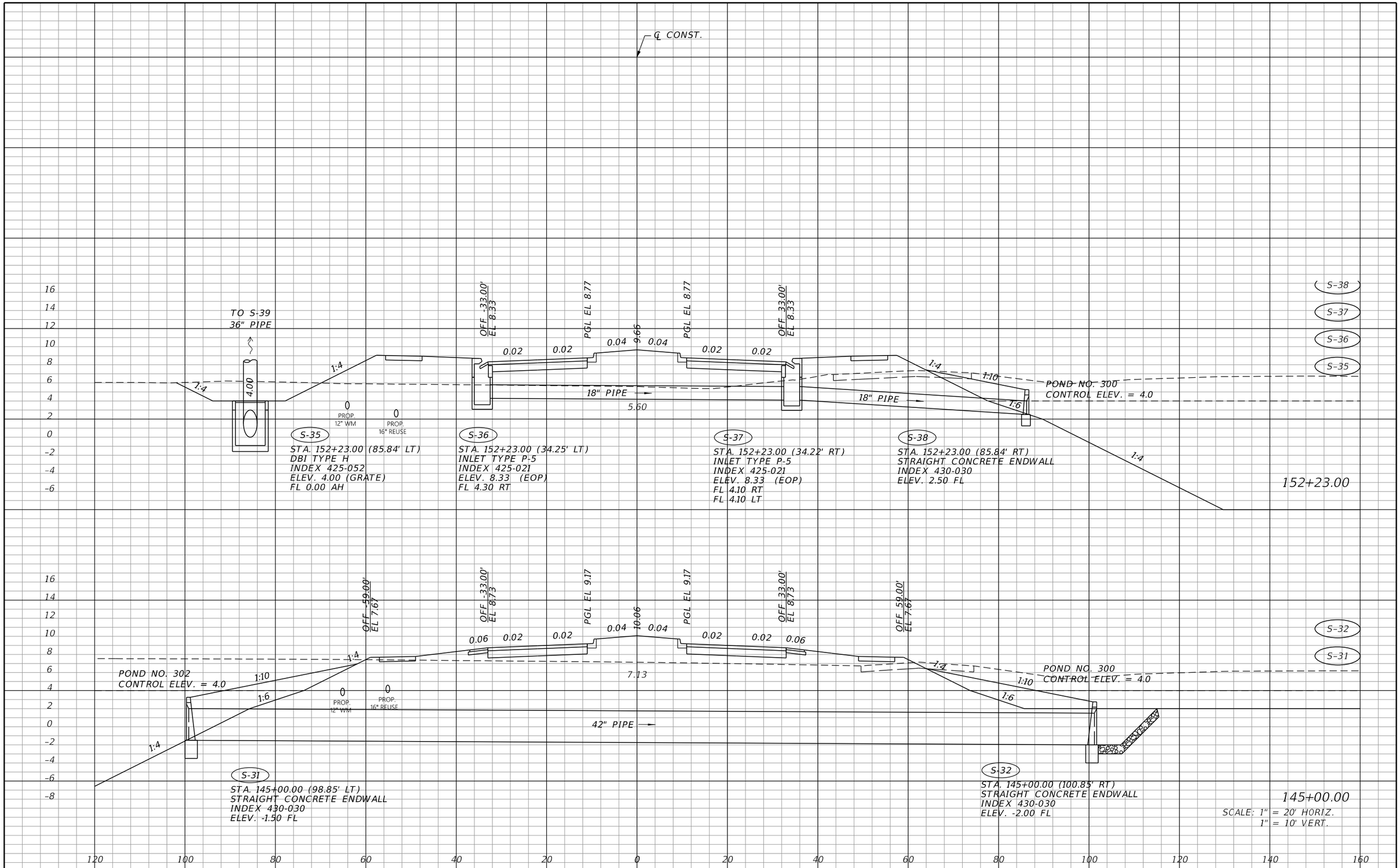
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 59



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CHARLOTTE COUNTY
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ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 60

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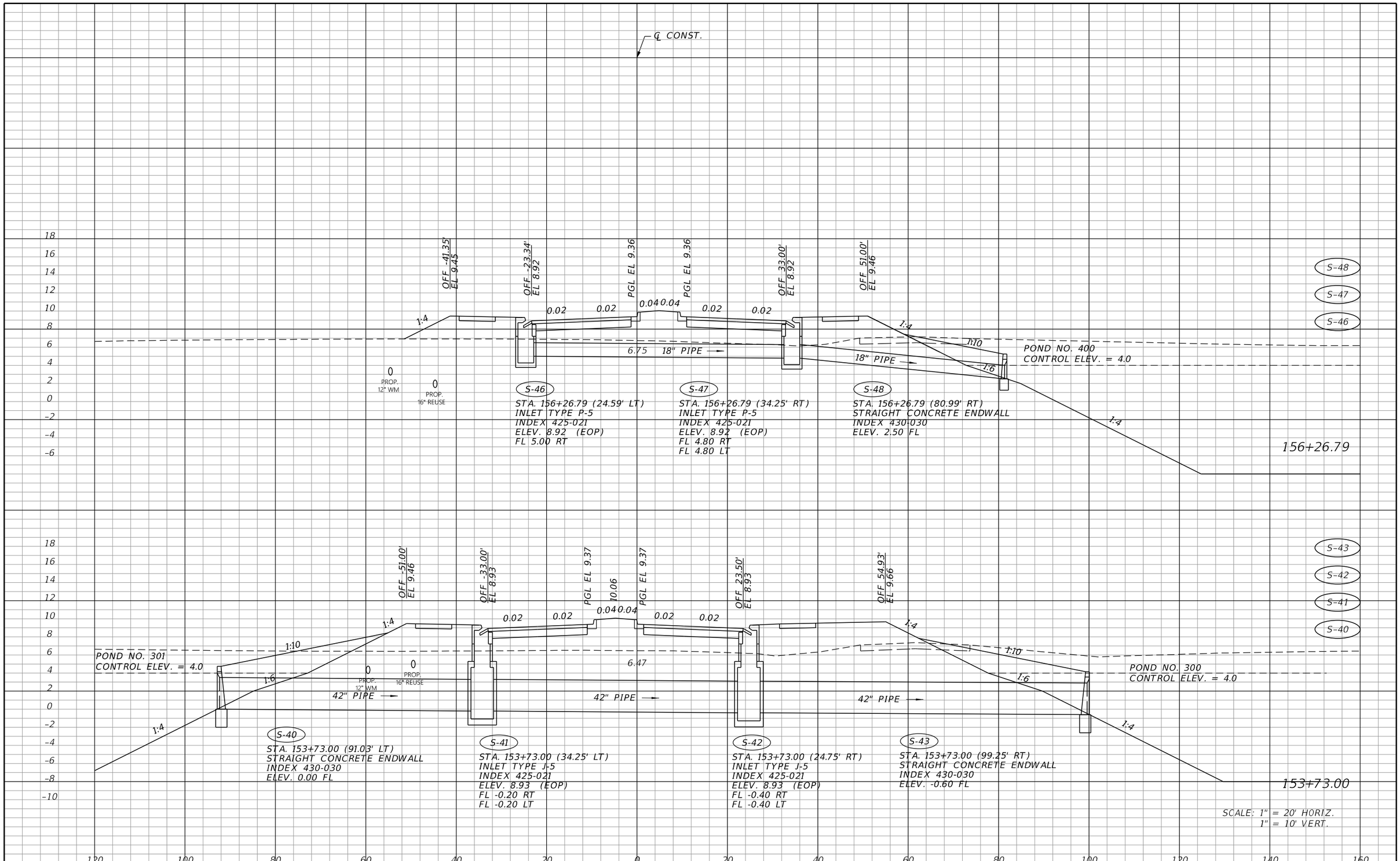

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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2122 JOHNSON STREET
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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 61

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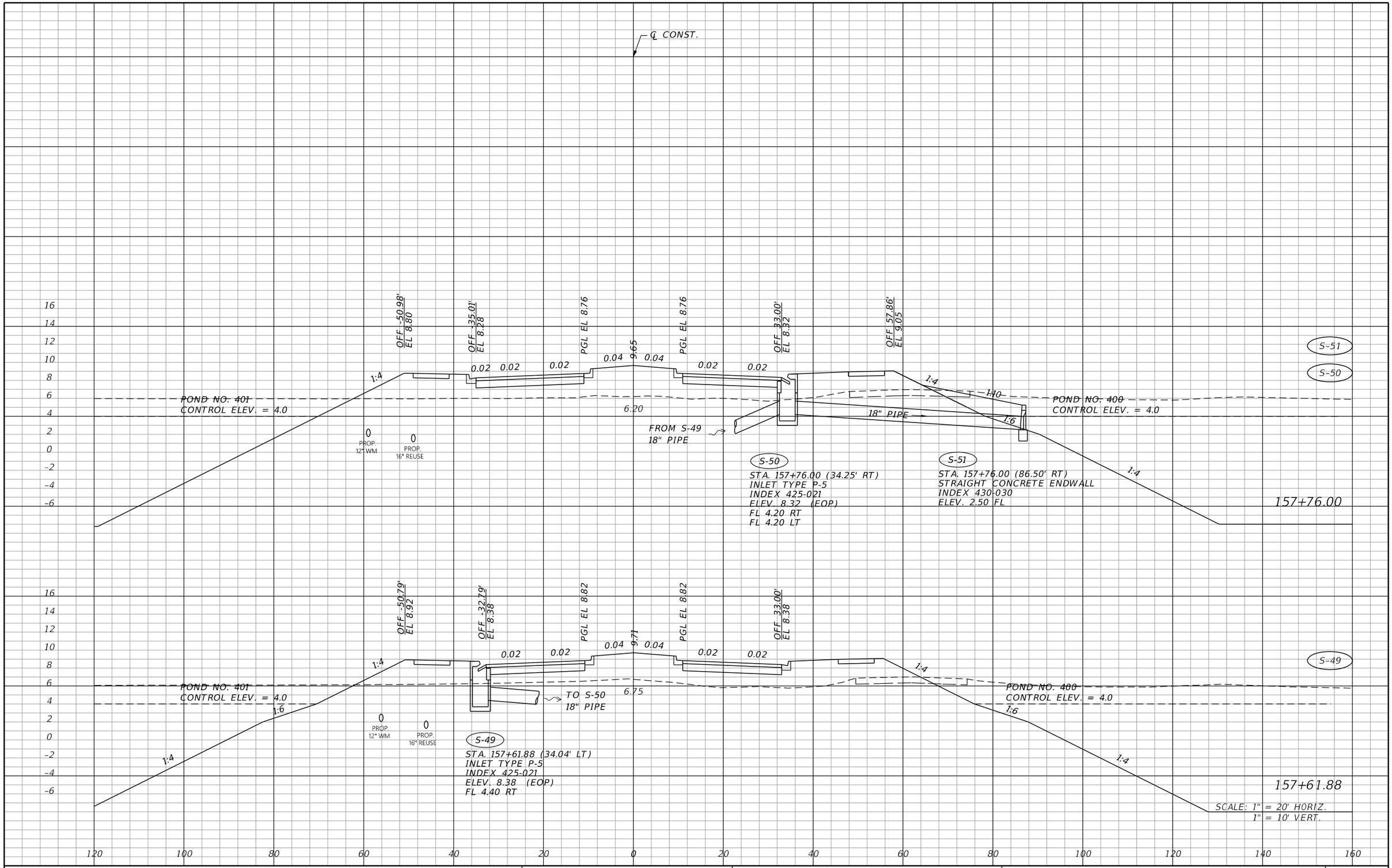

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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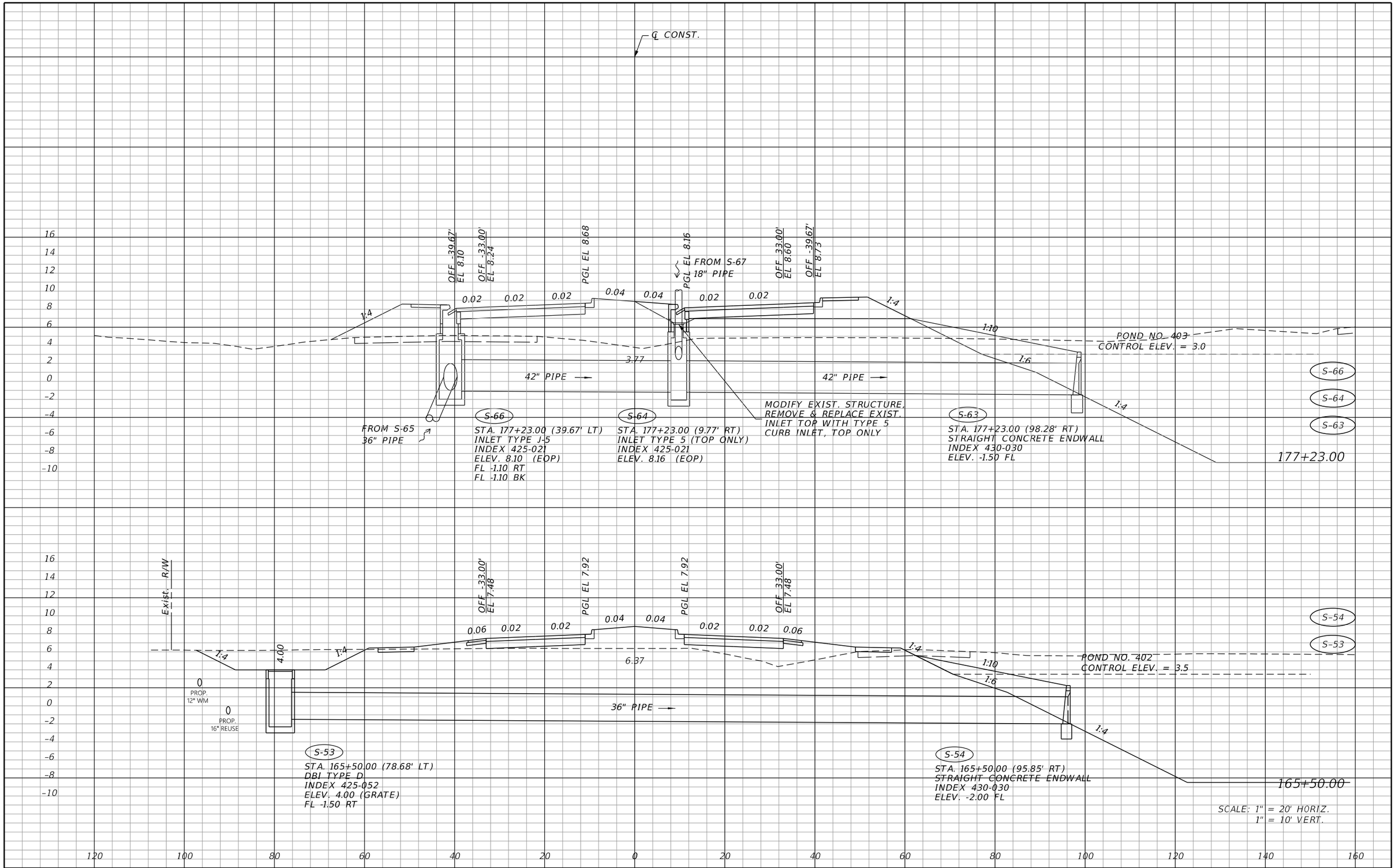
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 62



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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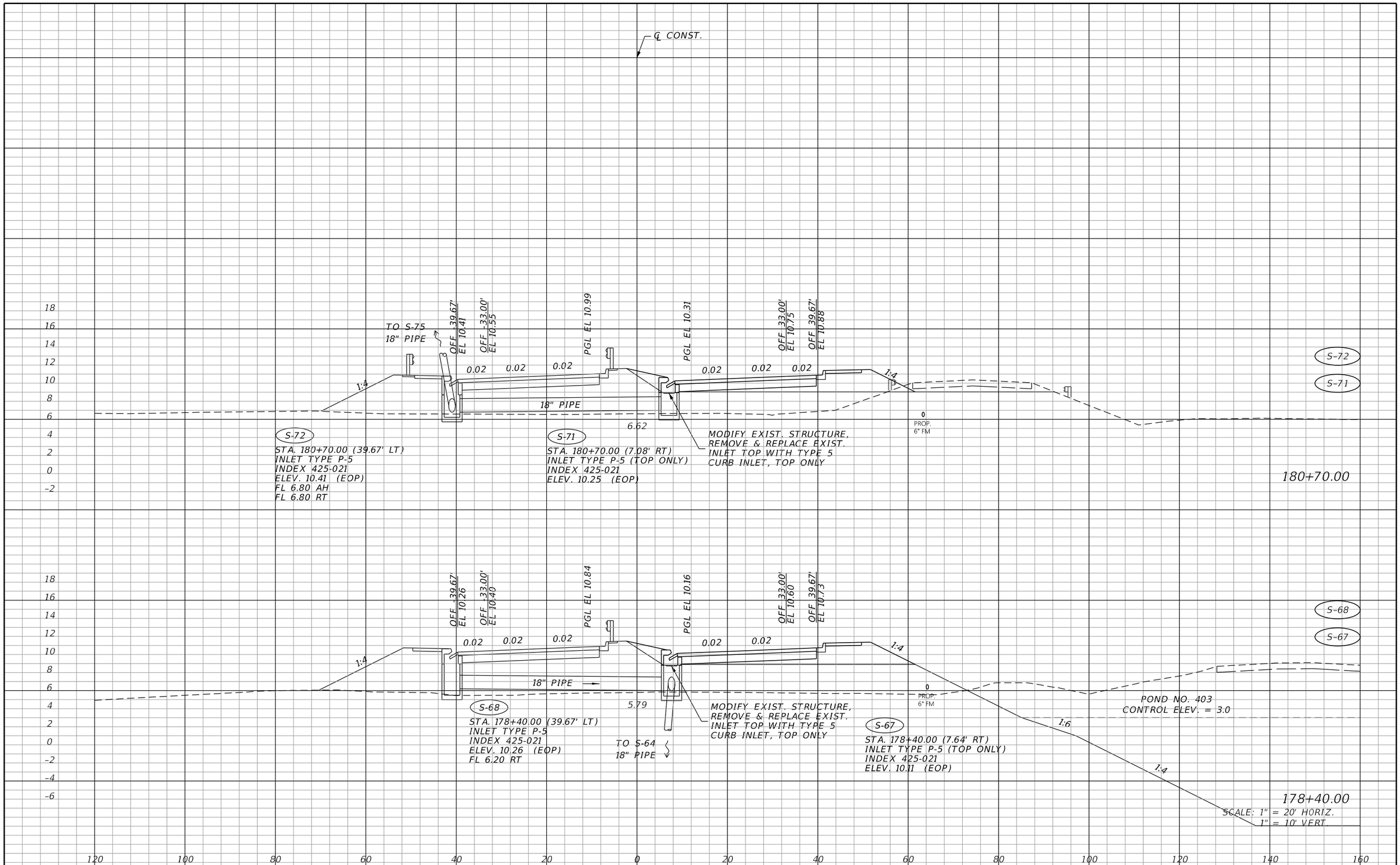
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 63



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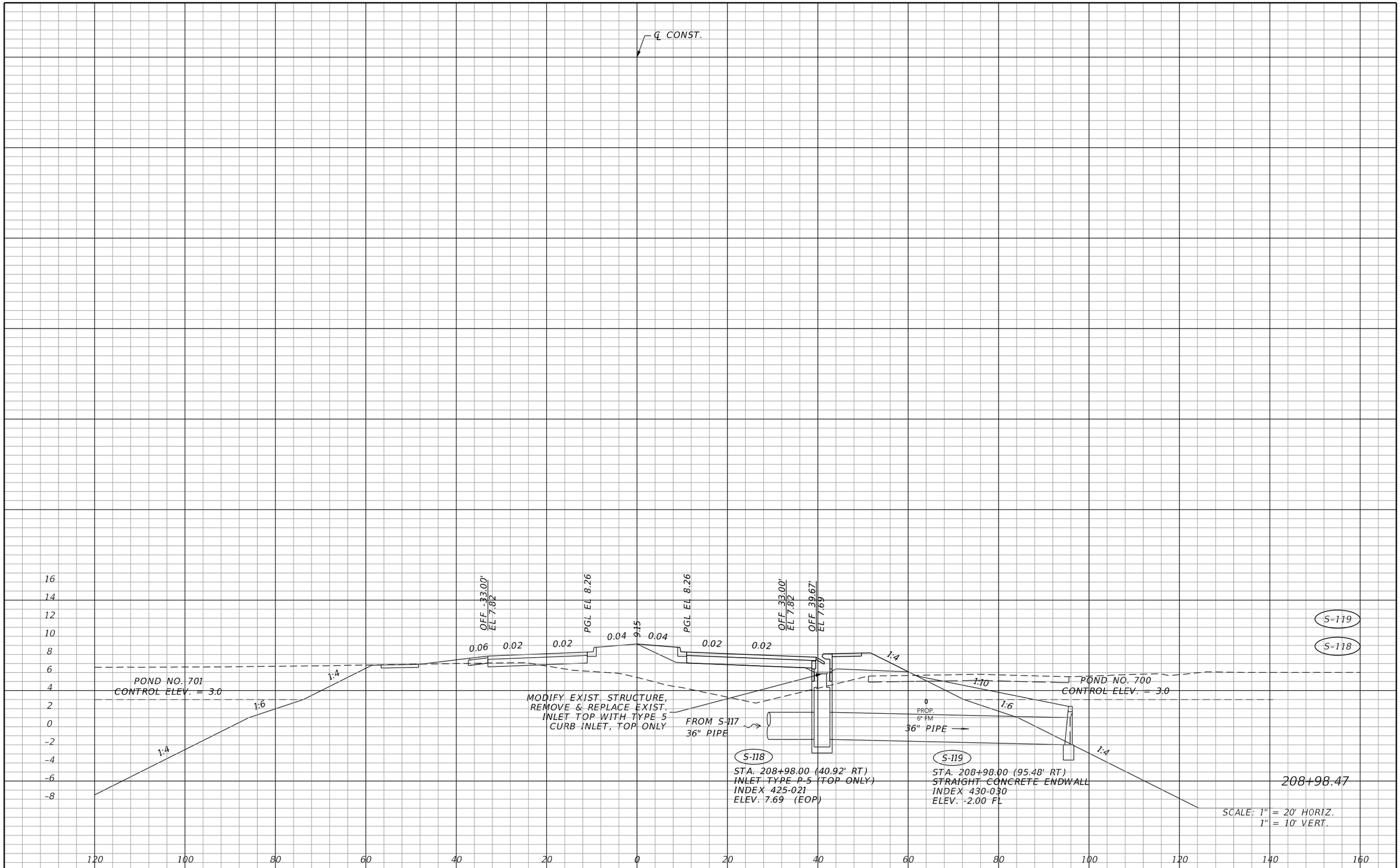
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 64



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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2122 JOHNSON STREET
FORT MYERS, FL 33901
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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO.
65

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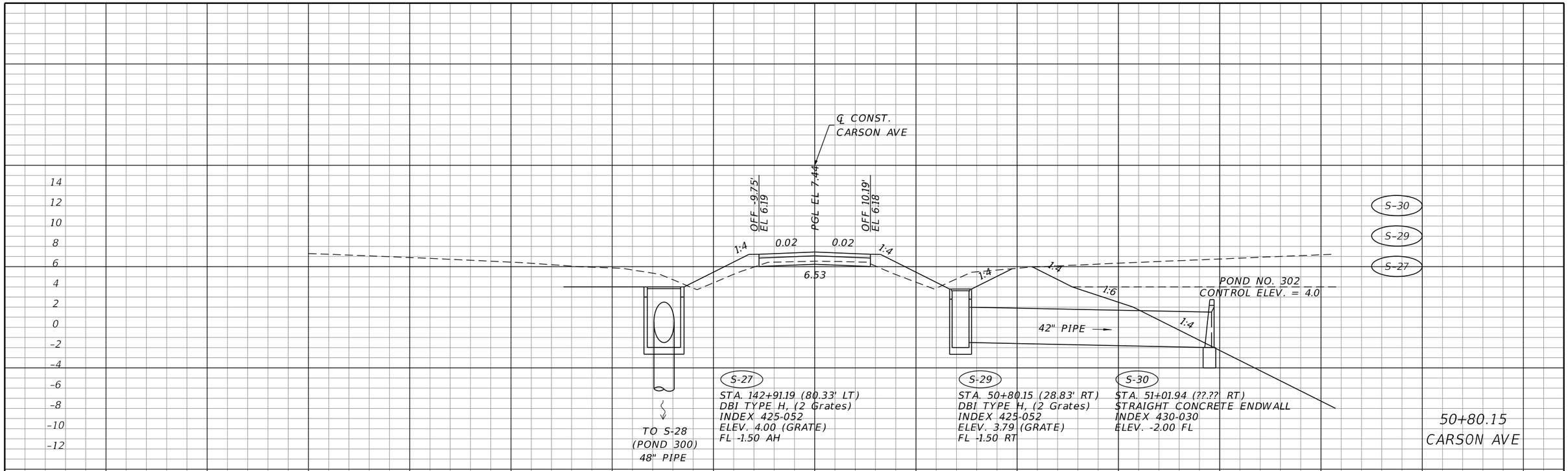

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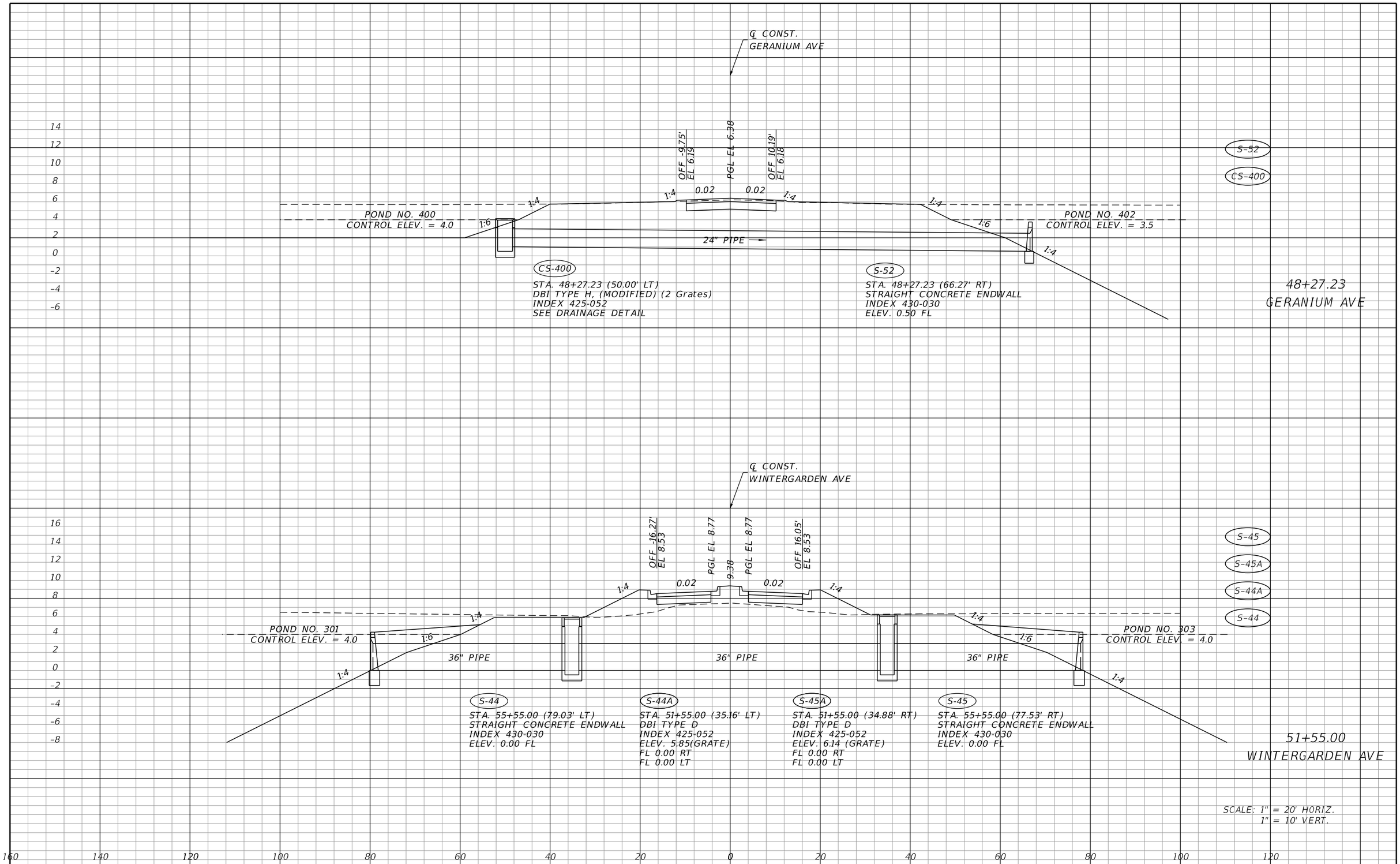
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE STRUCTURES

SHEET NO. 66



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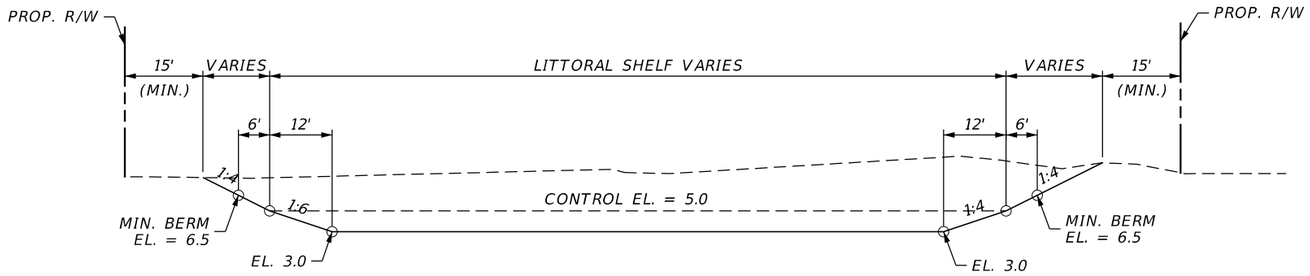
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

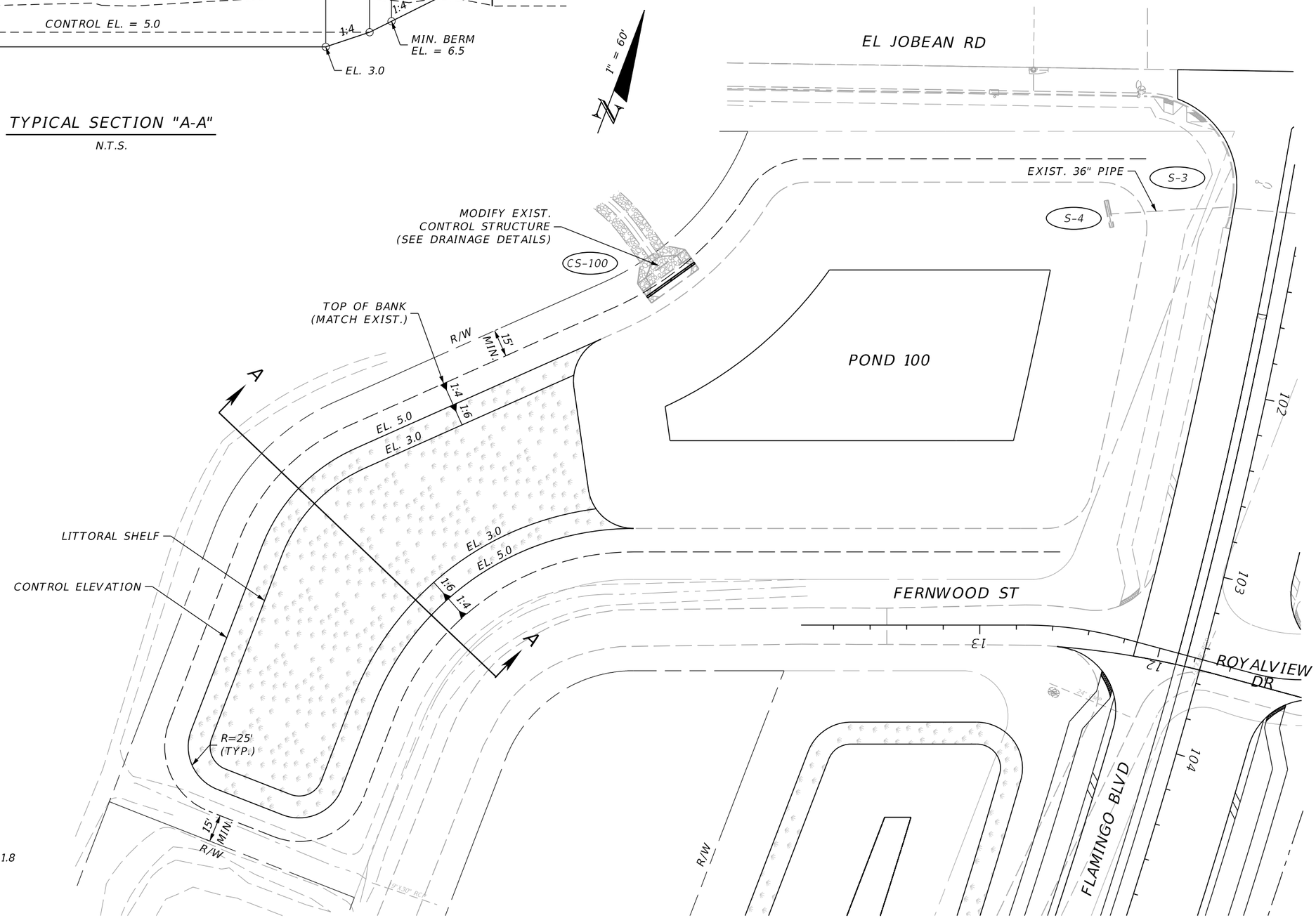
DRAINAGE STRUCTURES

SHEET NO.
67



TYPICAL SECTION "A-A"

N.T.S.



POND 100

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 5.0
POND AREA AT CONTROL ELEVATION (AC) = 1.7
WEIR ELEVATION (FT-NGVD) = 5.4
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 6.0
MINIMUM BERM ELEVATION (FT-NAVD) = 6.5
POND AREA AT MINIMUM BERM (AC) = 1.9
POND AREA AT WATER QUALITY ELEVATION (AC) = 1.8
POND AREA AT BOTTOM (AC) = 0.3
LITTORAL SHELF (AC) = 0.6

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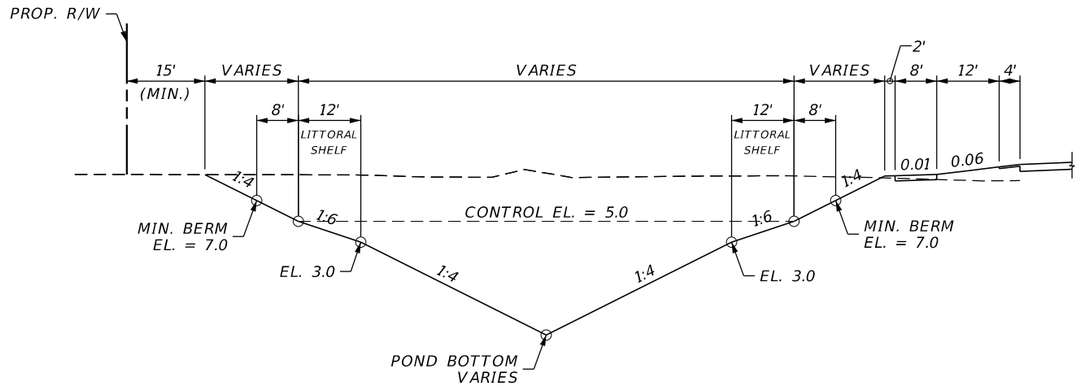
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

POND DETAIL NO. 100

SHEET NO. 68



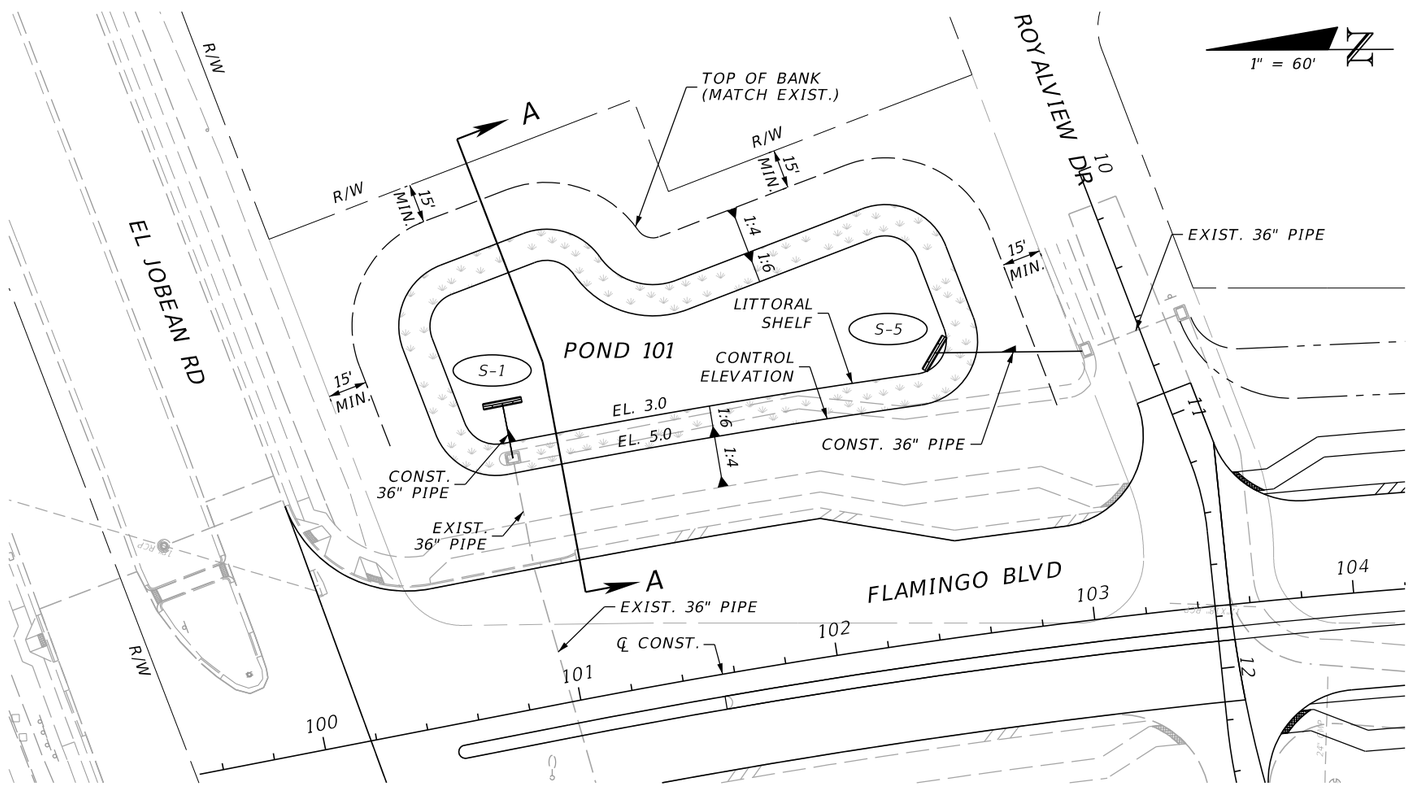
TYPICAL SECTION "A-A"

N.T.S.

POND 101

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 5.0
POND AREA AT CONTROL ELEVATION (AC) = 0.36
WEIR ELEVATION (FT-NAVD) = 5.4
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 6.5
MINIMUM BERM ELEVATION (FT-NAVD) = 7.0
POND AREA AT MINIMUM BERM (AC) = 0.4
POND AREA AT WATER QUALITY ELEVATION (AC) = 0.4
LITTORAL SHELF (AC) = 0.1

S-5
STA. 10+45.00, 76.84' RT
ENDWALL 36"
INDEX NO. 430-030
FL. 2.00



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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

POND DETAIL NO. 101

SHEET NO. 69

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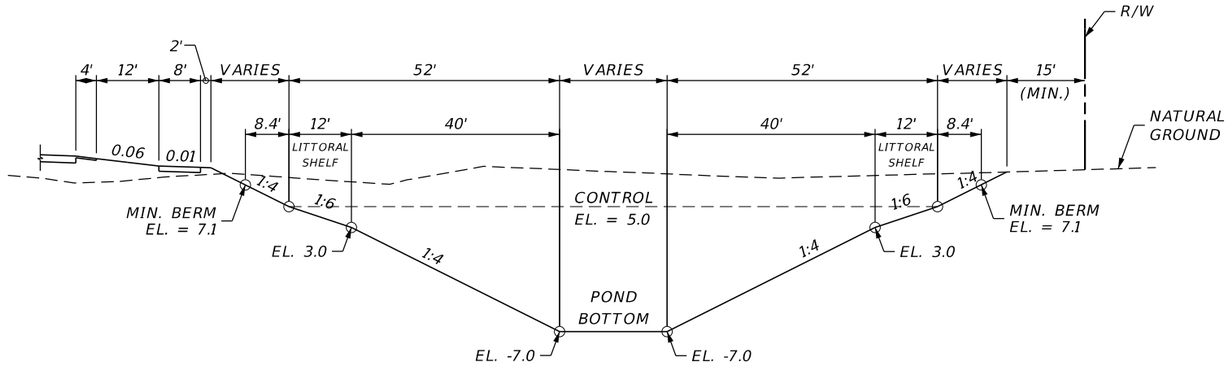
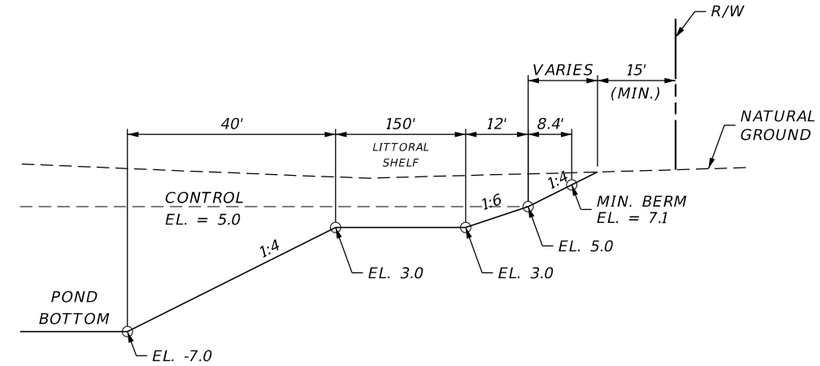


TYPICAL SECTION "A-A"

N.T.S.

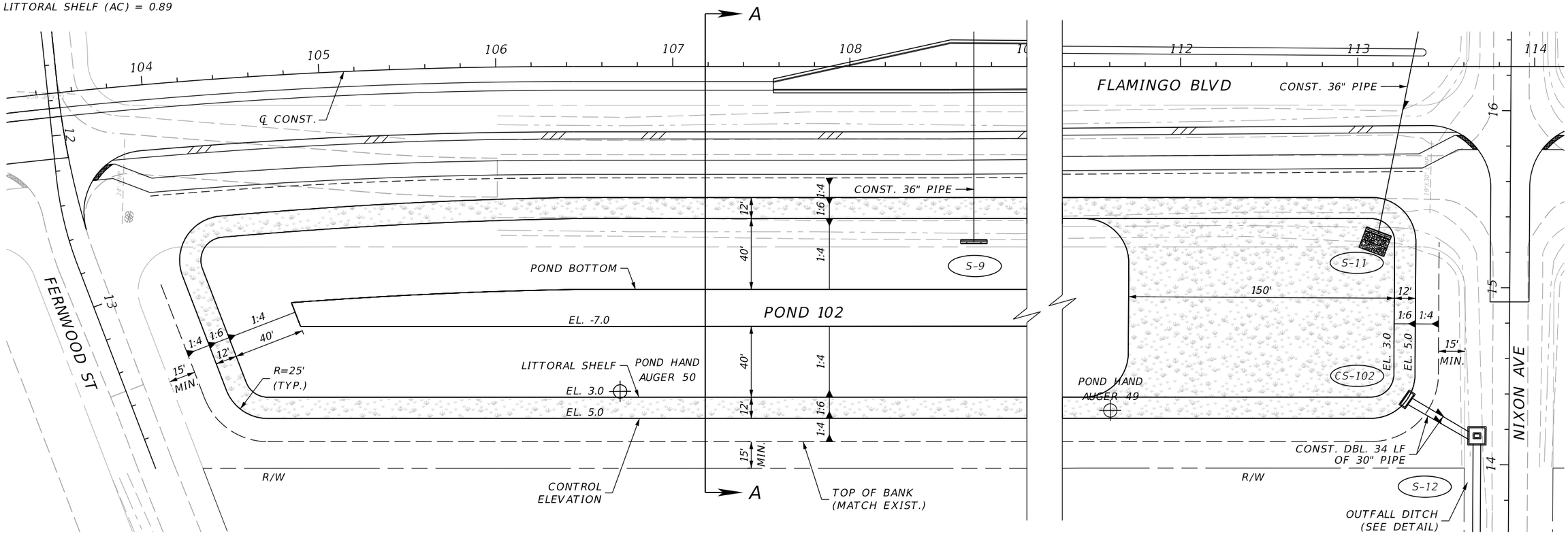


TYPICAL SECTION "B-B"

N.T.S.

POND 102

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 5.0
POND AREA AT CONTROL ELEVATION (AC) = 2.5
WEIR ELEVATION (FT-NAVD) = 5.5
AREA AT WEIR ELEVATION (AC) = 2.63
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 6.3
MINIMUM BERM ELEVATION (FT-NAVD) = 7.1
AREA AT MIN. BERM ELEVATION (AC) = 2.93
AREA AT POND BOTTOM (AC) = 0.30
LITTORAL SHELF (AC) = 0.89



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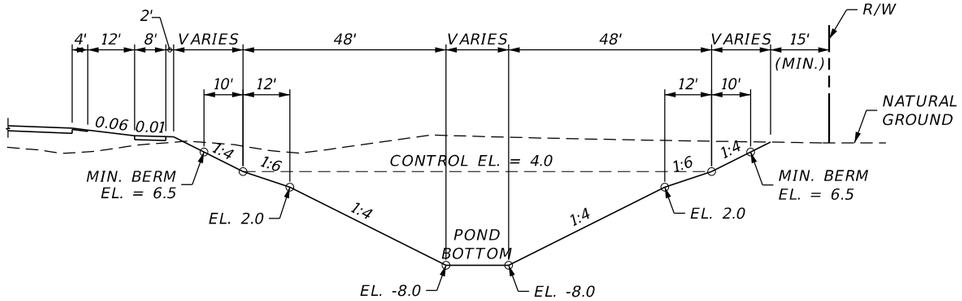
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

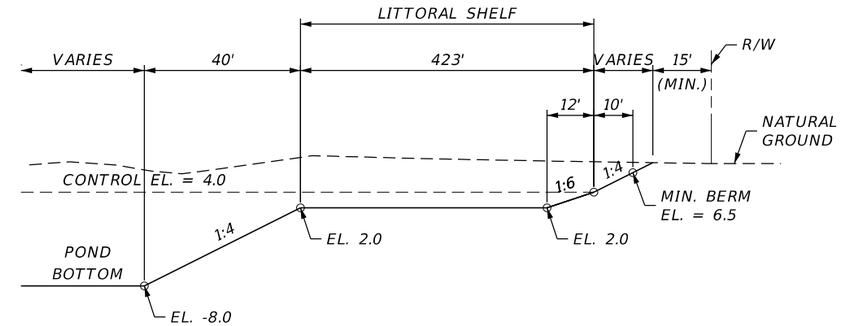
POND DETAIL NO. 102

SHEET NO. 70



TYPICAL SECTION "A-A"

N.T.S.



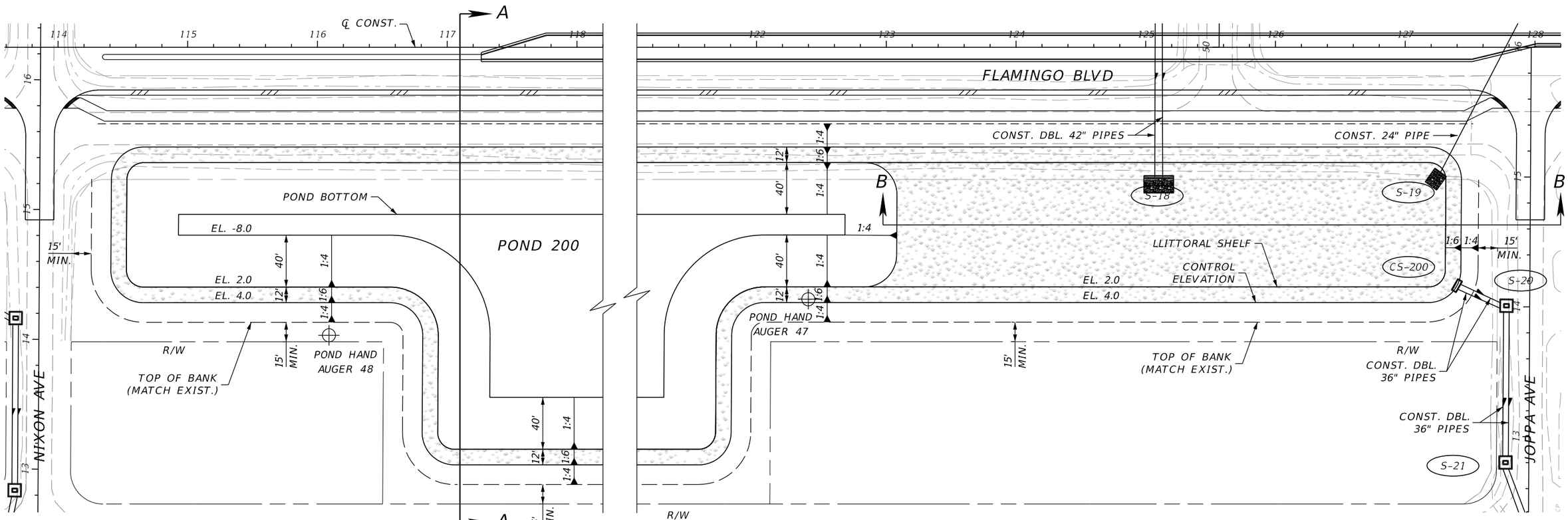
TYPICAL SECTION "B-B"

N.T.S.

POND 200

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 4.0
POND AREA AT CONTROL ELEVATION (AC) = 5.0
WEIR ELEVATION (FT-NAVD) = 4.5
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 6.0
MINIMUM BERM ELEVATION (FT-NAVD) = 6.5
POND AREA AT MINIMUM BERM (AC) = 5.7
POND AREA AT WATER QUALITY ELEVATION (AC) = 5.1
POND AREA AT BOTTOM (AC) = 1.5
LITTORAL SHELF (AC) = 1.8

1" = 80'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

POND DETAIL
NO. 200

SHEET NO.
71

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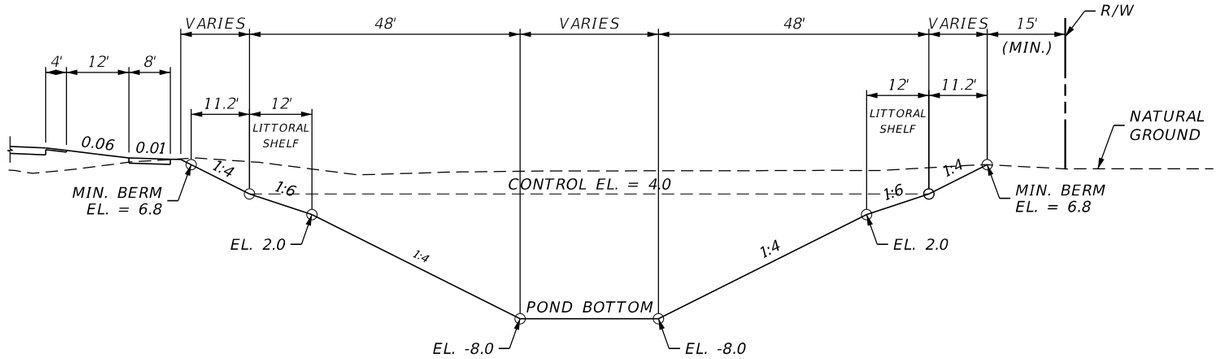
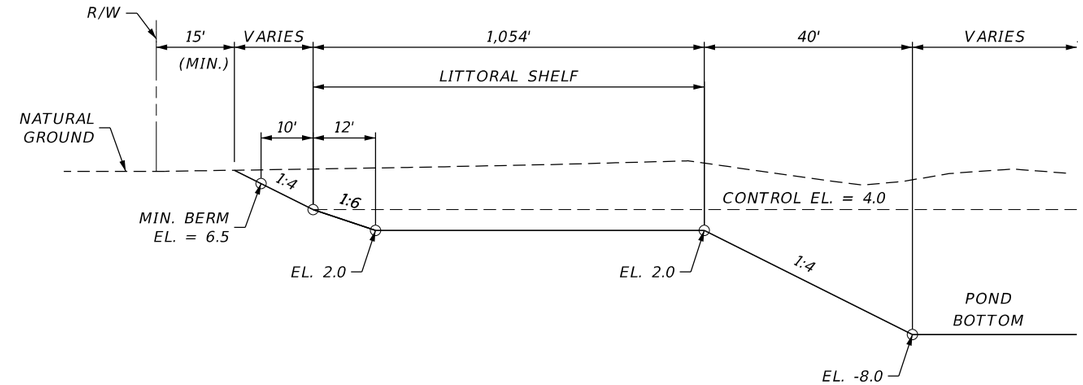


TYPICAL SECTION "A-A"

N.T.S.

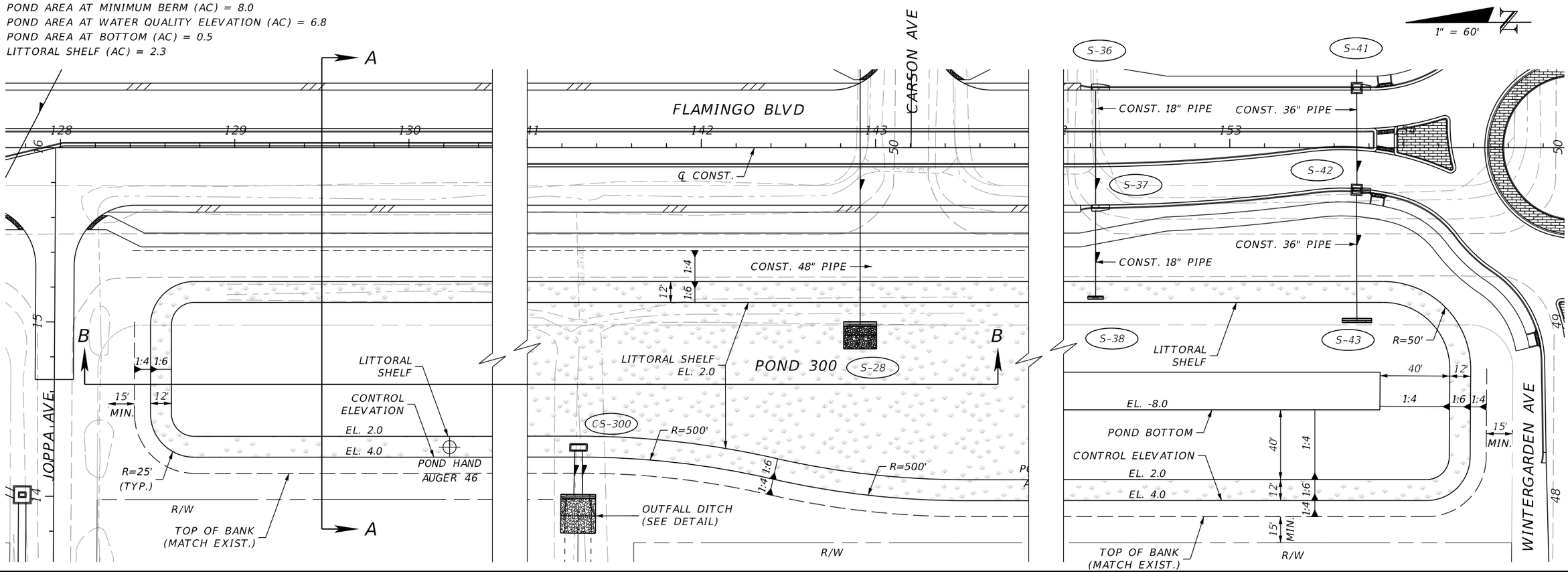


TYPICAL SECTION "B-B"

N.T.S.

POND 300

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 4.0
POND AREA AT CONTROL ELEVATION (AC) = 6.6
WEIR ELEVATION (FT-NAVD) = 4.4
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 5.8
MINIMUM BERM ELEVATION (FT-NAVD) = 6.8
POND AREA AT MINIMUM BERM (AC) = 8.0
POND AREA AT WATER QUALITY ELEVATION (AC) = 6.8
POND AREA AT BOTTOM (AC) = 0.5
LITTORAL SHELF (AC) = 2.3



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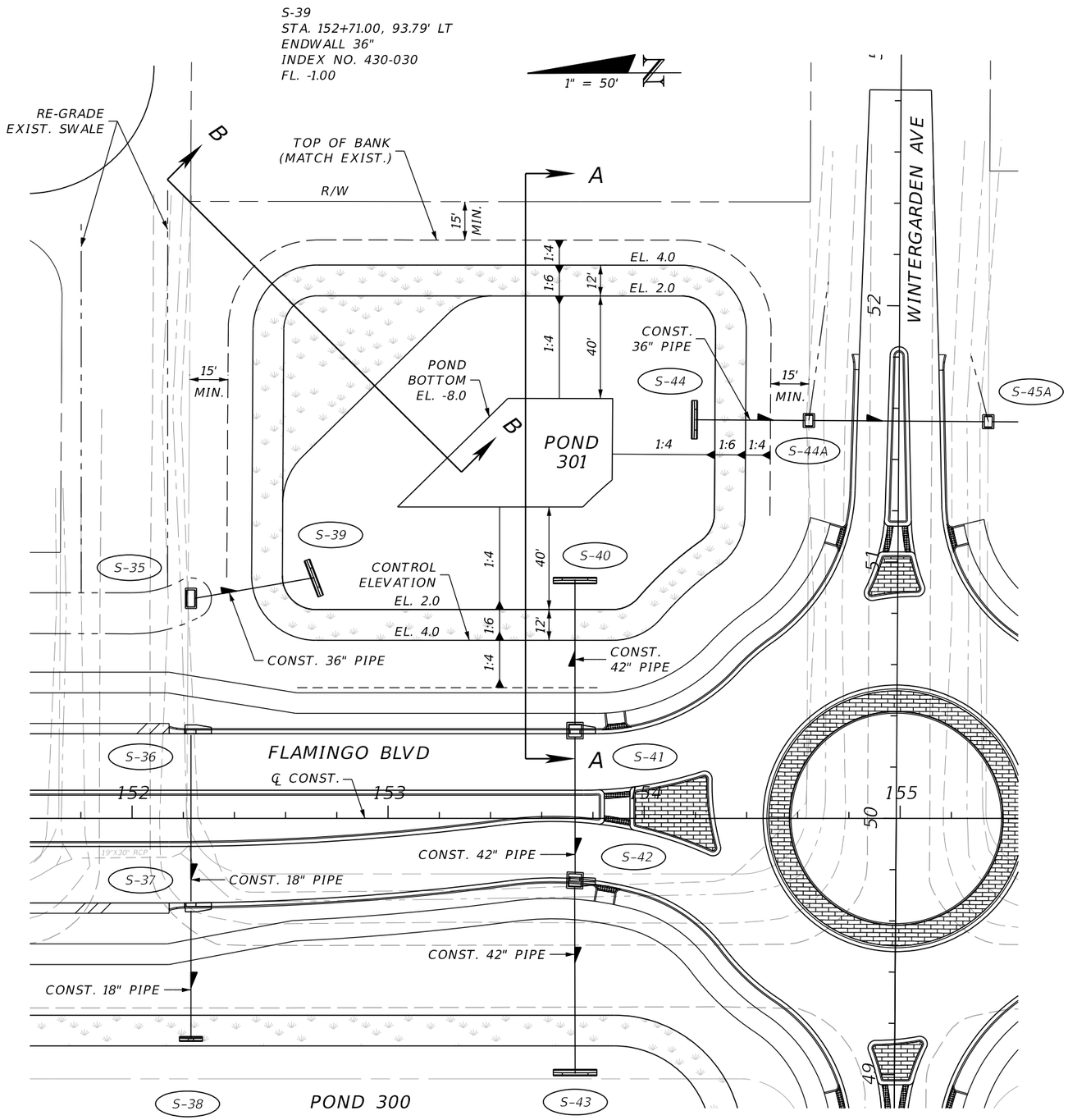
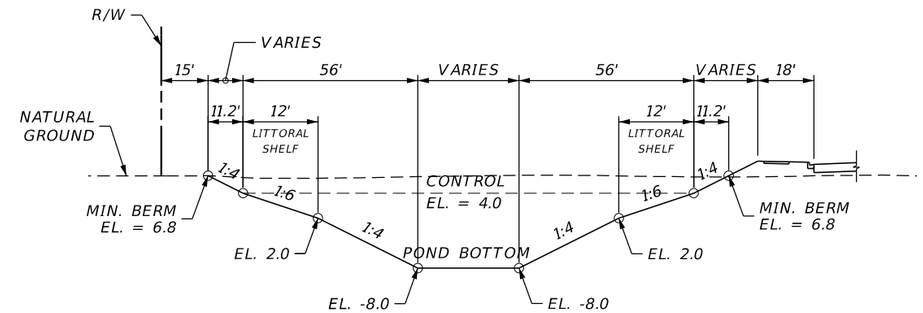
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

POND DETAIL NO. 300

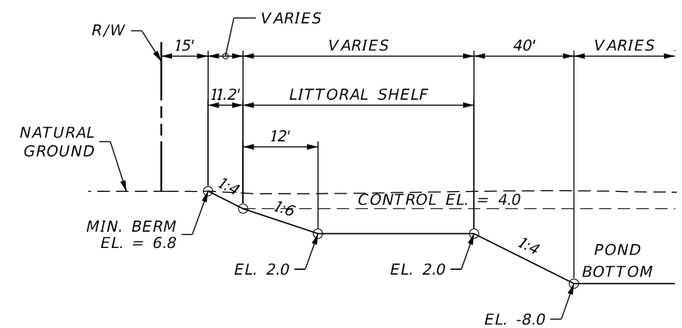
SHEET NO. 72





TYPICAL SECTION "A-A"

N.T.S.



TYPICAL SECTION "B-B"

N.T.S.

POND 301

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 4.0
POND AREA AT CONTROL ELEVATION (AC) = 0.6
WEIR ELEVATION (FT-NAVD) = 4.4
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 5.9
MINIMUM BERM ELEVATION (FT-NAVD) = 6.8
POND AREA AT MINIMUM BERM (AC) = 0.8
POND AREA AT WATER QUALITY ELEVATION (AC) = 0.6
POND AREA AT BOTTOM (AC) = 0.1
LITTORAL SHELF (AC) = 0.2

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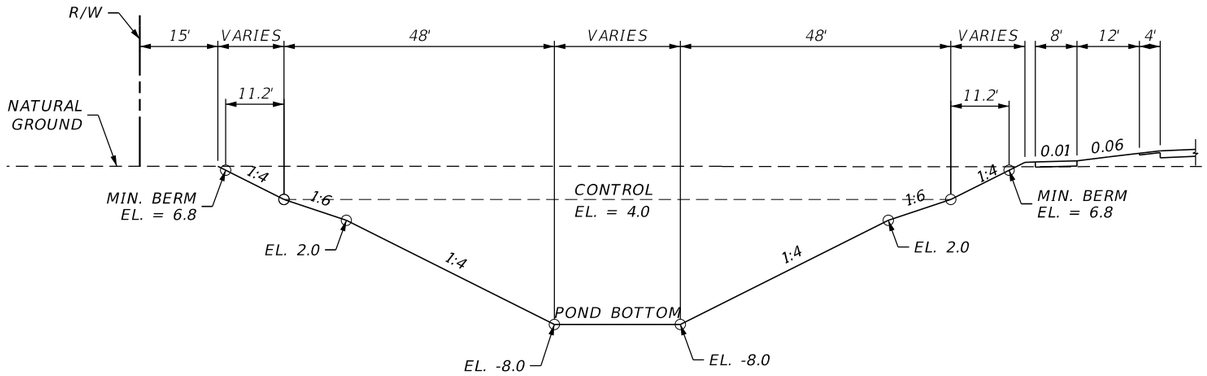
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

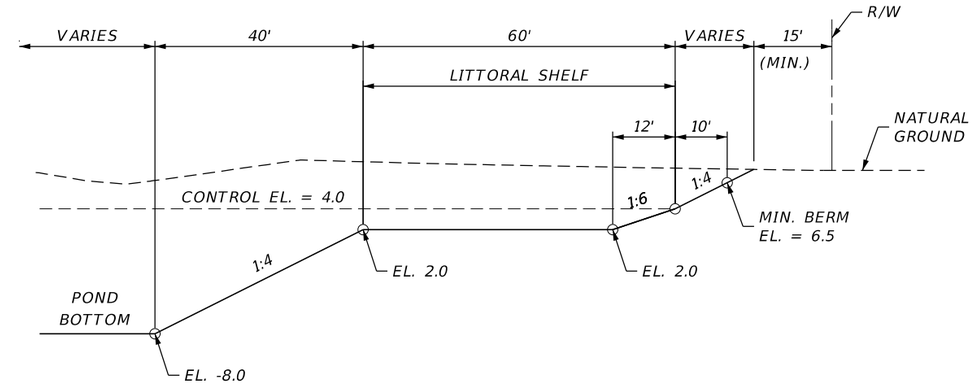
POND DETAIL
NO. 301

SHEET NO. 73



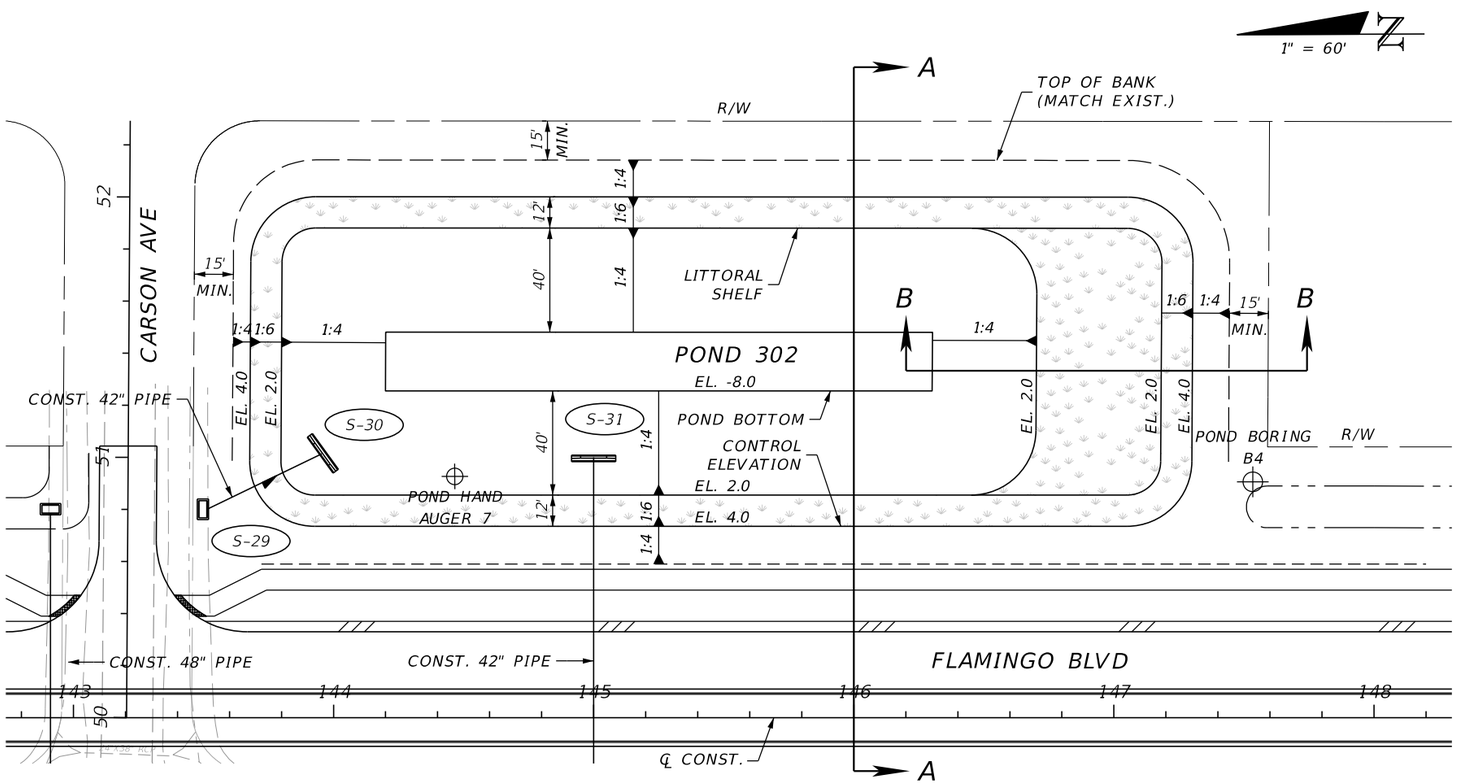
TYPICAL SECTION "A-A"

N.T.S.



TYPICAL SECTION "B-B"

N.T.S.



POND 302

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 4.0
POND AREA AT CONTROL ELEVATION (AC) = 1.0
WEIR ELEVATION (FT-NAVD) = 4.4
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 5.9
MINIMUM BERM ELEVATION (FT-NAVD) = 6.8
POND AREA AT MINIMUM BERM (AC) = 1.3
POND AREA AT WATER QUALITY ELEVATION (AC) = 1.1
POND AREA AT BOTTOM (AC) = 0.1
LITTORAL SHELF (AC) = 0.4

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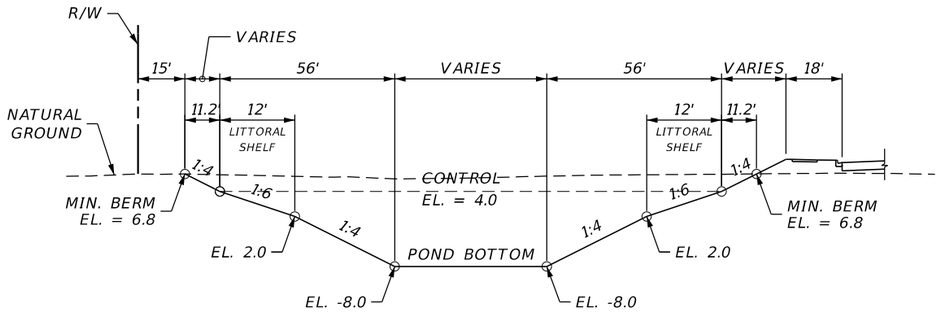
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

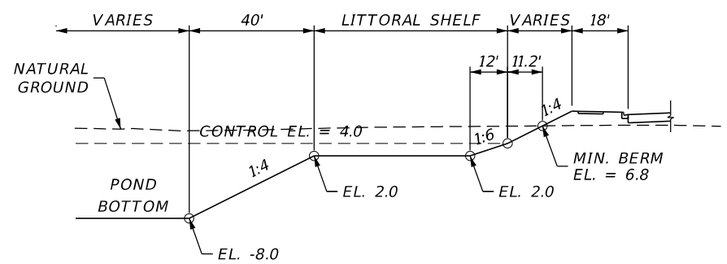
POND DETAIL NO. 302

SHEET NO. 74



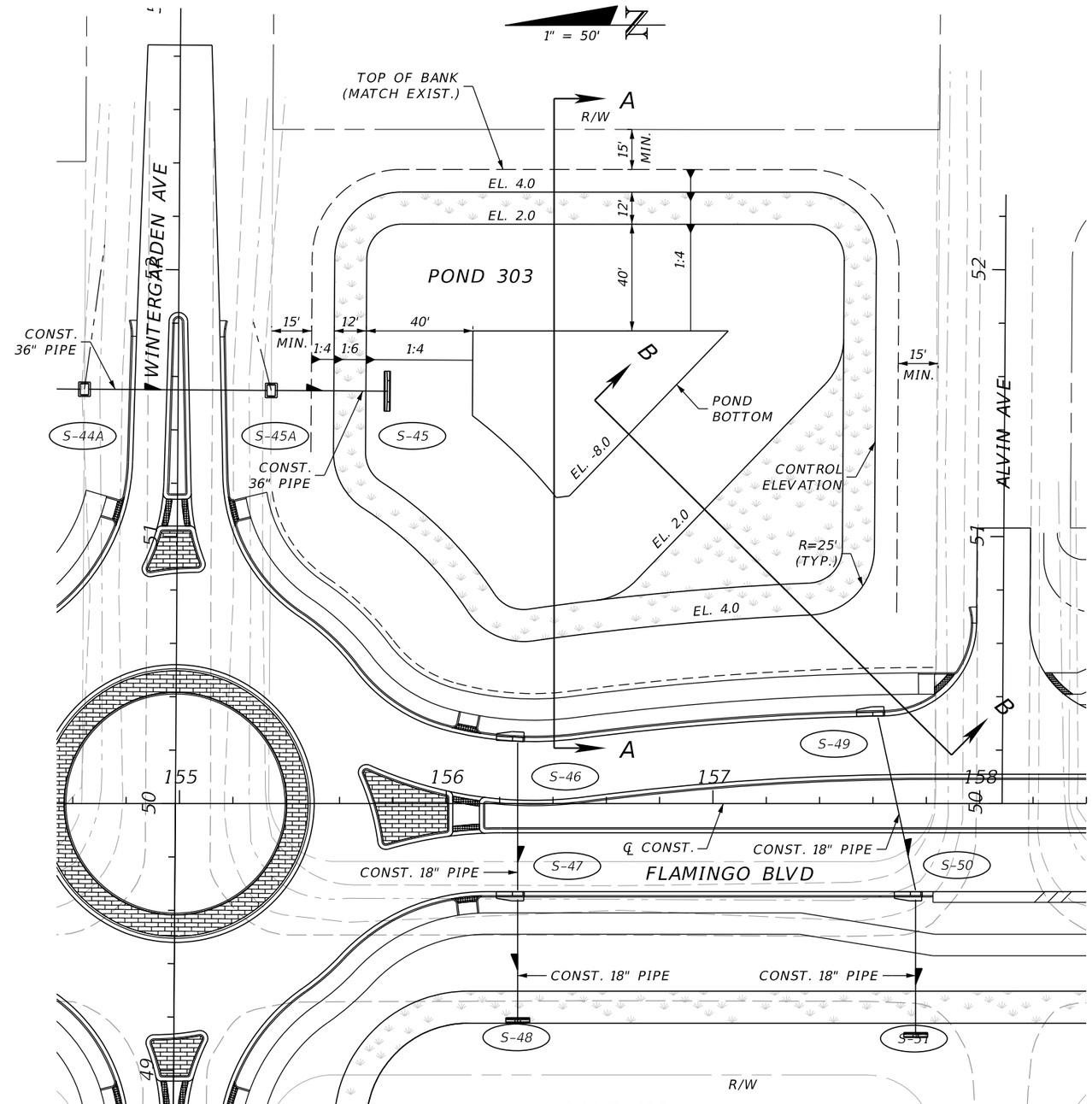
TYPICAL SECTION "A-A"

N.T.S.



TYPICAL SECTION "B-B"

N.T.S.



POND 400

POND 303

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 4.0
POND AREA AT CONTROL ELEVATION (AC) = 0.7
WEIR ELEVATION (FT-NAVD) = 4.4
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 5.9
MINIMUM BERM ELEVATION (FT-NAVD) = 6.8
POND AREA AT MINIMUM BERM (AC) = 0.9
POND AREA AT WATER QUALITY ELEVATION (AC) = 0.7
POND AREA AT BOTTOM (AC) = 0.1
LITTORAL SHELF (AC) = 0.2

REVISIONS			
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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

POND DETAIL
NO. 303

SHEET NO.
75

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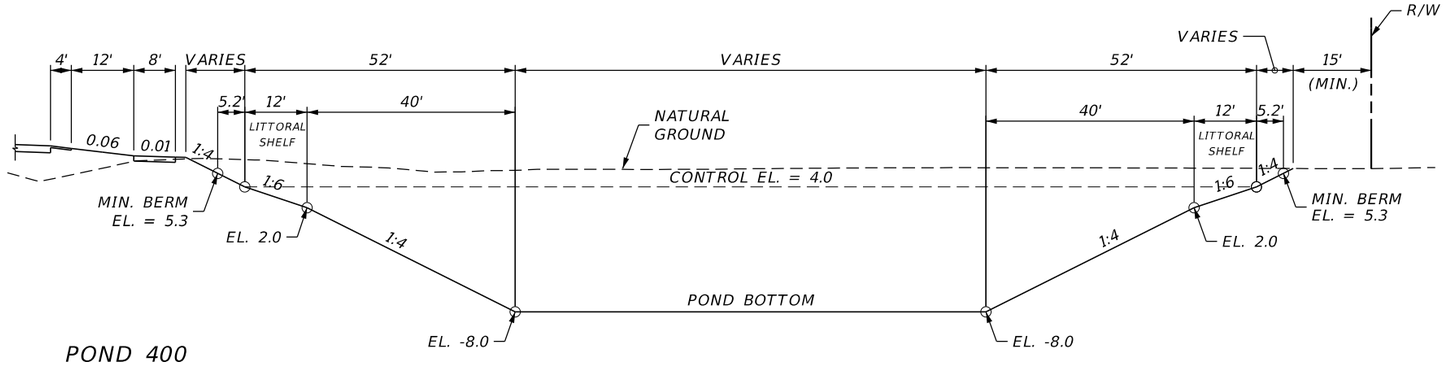
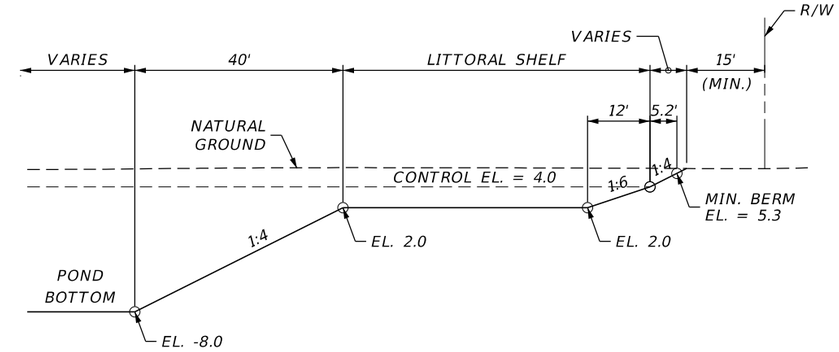


POND 400

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 4.0
POND AREA AT CONTROL ELEVATION (AC) = 2.2
WEIR ELEVATION (FT-NAVD) = 4.1
YEAR/24HOUR PEAK STAGE (FT-NAVD) = 4.8
MINIMUM BERM ELEVATION (FT-NAVD) = 5.3
POND AREA AT MINIMUM BERM (AC) = 2.4
POND AREA AT WATER QUALITY ELEVATION (AC) = 2.2
POND AREA AT BOTTOM (AC) = 0.6
LITTORAL SHELF (AC) = 0.8

TYPICAL SECTION "A-A"

N.T.S.



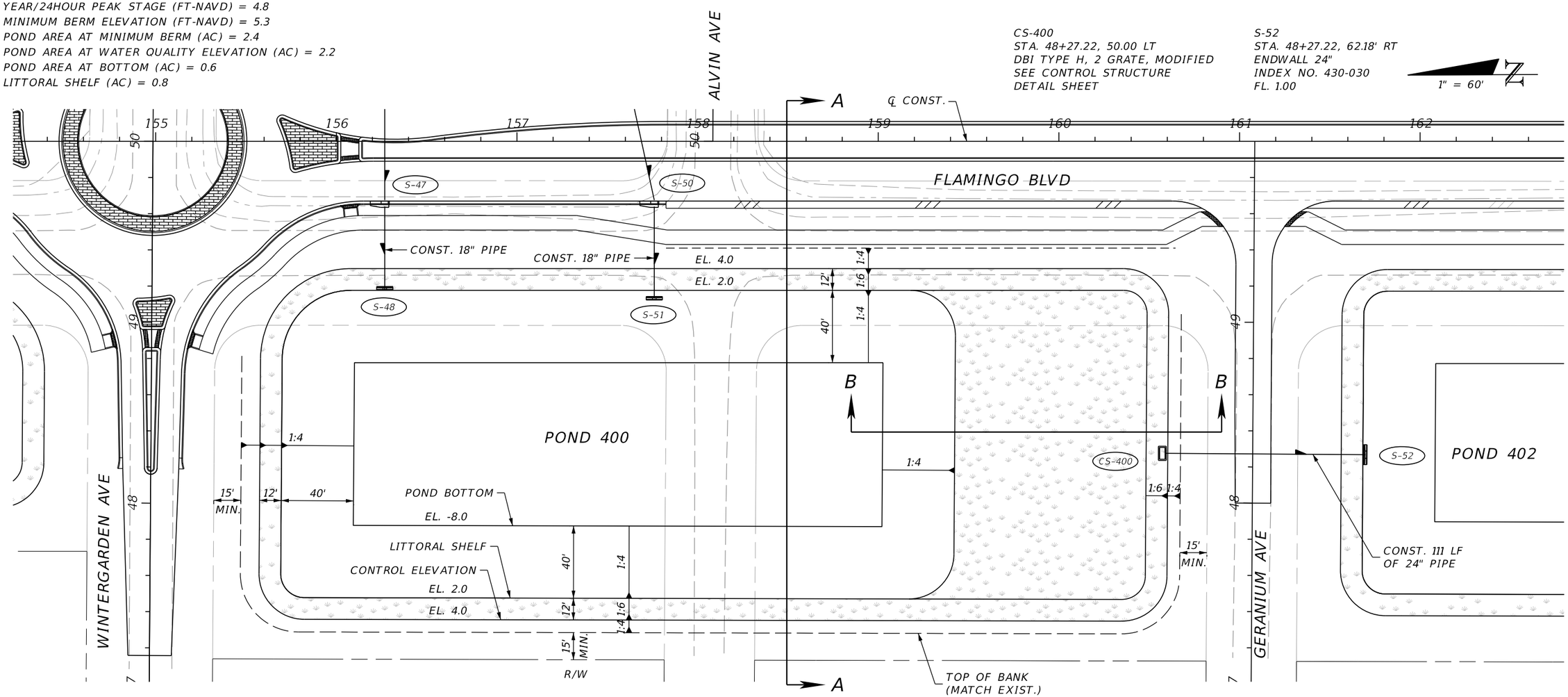
TYPICAL SECTION "B-B"

N.T.S.

CS-400
STA. 48+27.22, 50.00 LT
DBI TYPE H, 2 GRATE, MODIFIED
SEE CONTROL STRUCTURE
DETAIL SHEET

S-52
STA. 48+27.22, 62.18' RT
ENDWALL 24"
INDEX NO. 430-030
FL. 1.00

1" = 60'



REVISIONS			
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2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

POND DETAIL NO. 400

SHEET NO. 76

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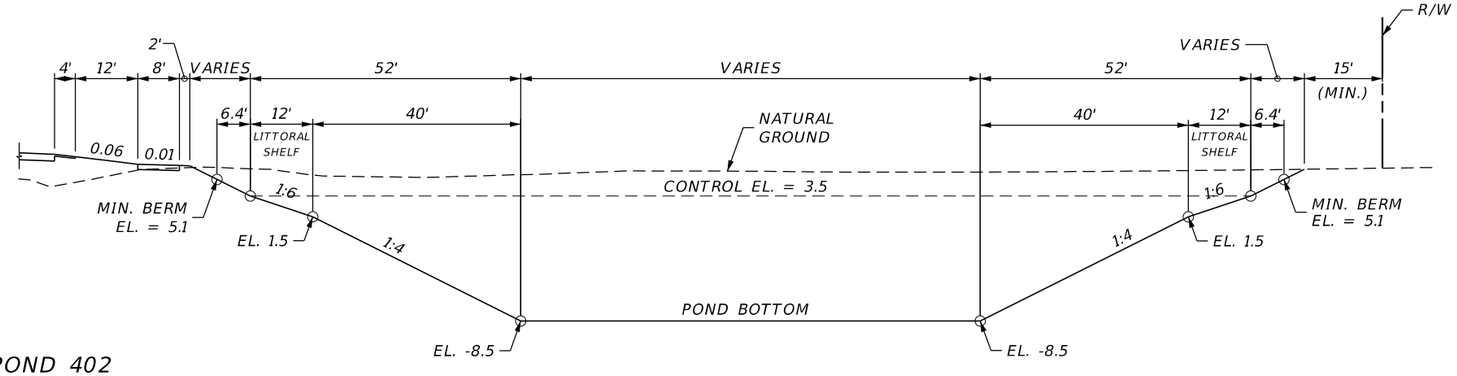
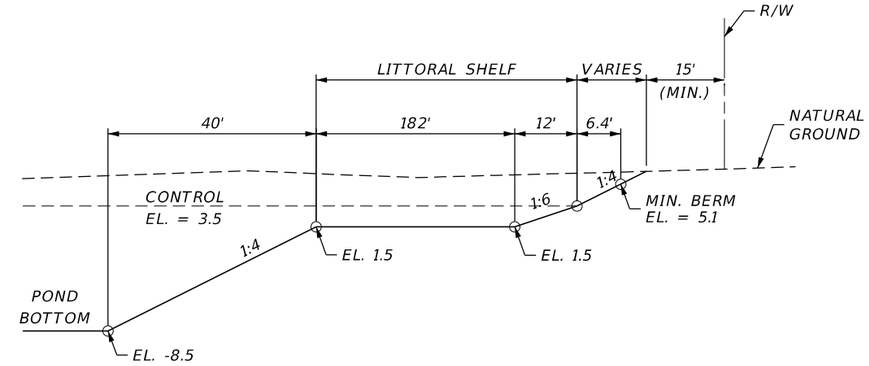


TYPICAL SECTION "A-A"

N.T.S.



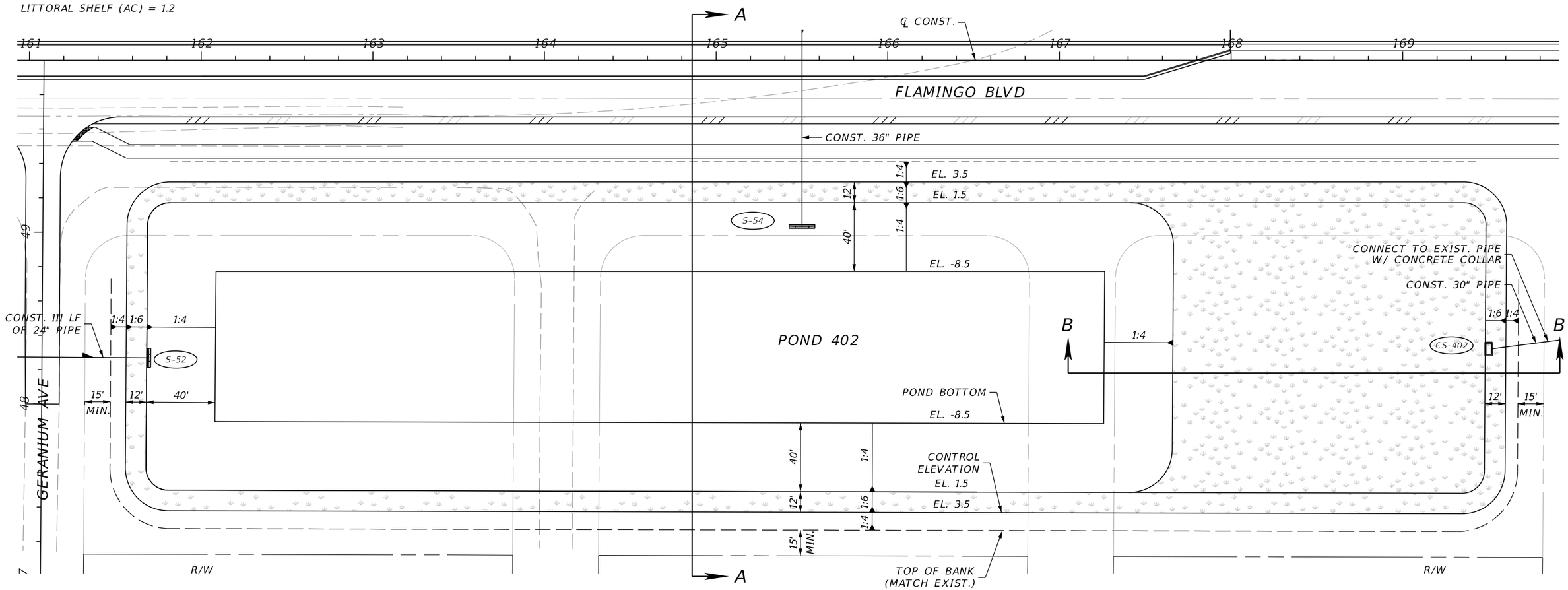
TYPICAL SECTION "B-B"

N.T.S.

POND 402

TREATMENT PROVIDED BY WET DETENTION
CONTROL ELEVATION (FT-NAVD) = 3.5
POND AREA AT CONTROL ELEVATION (AC) = 3.5
WEIR ELEVATION (FT-NAVD) = 3.6
25 YEAR/24HOUR PEAK STAGE (FT-NAVD) = 4.6
MINIMUM BERM ELEVATION (FT-NAVD) = 5.1
POND AREA AT MINIMUM BERM (AC) = 3.8
POND AREA AT WATER QUALITY ELEVATION (AC) = 3.6
POND AREA AT BOTTOM (AC) = 1.0
LITTORAL SHELF (AC) = 1.2

1" = 60'



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PUBLIC WORKS DEPARTMENT

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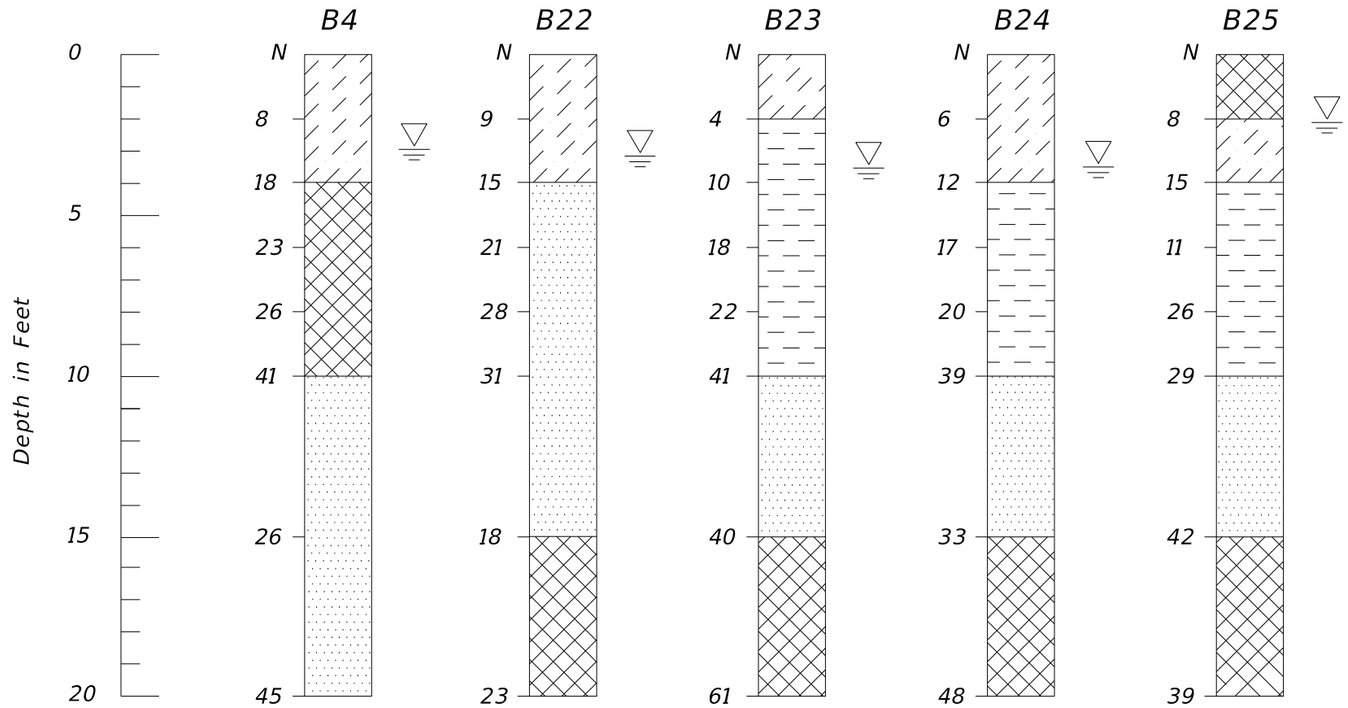
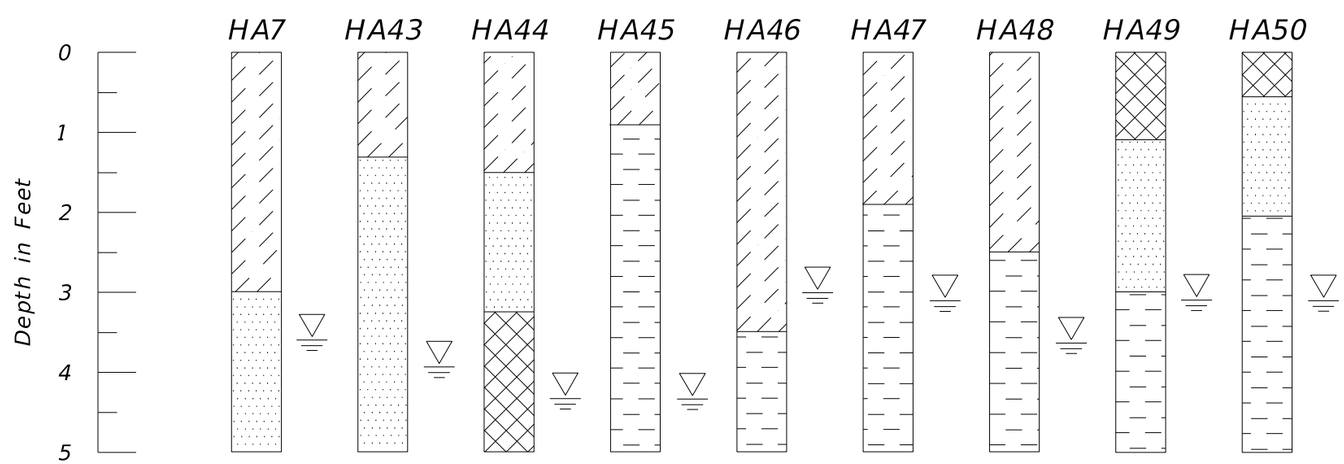
	CHARLOTTE	20225022-00R

POND DETAIL NO. 402

SHEET NO. 77





SOILS LEGEND

1. Light Brown to Dark Brown, Fine SAND, trace silts
2. Light Brown to Grayish Brown, Fine SAND, trace silts With Shell
3. Light Brown to Gray, Fine SAND, trace silts
4. Gray to Light Greenish Gray Fine to Silty SAND, with Shell and Rock
5. Tan to Light Brown, Fine to Silty SAND
6. Orangish Brown to Gray, Fine SAND,

SOILS PROFILE LEGEND

B-X	BORING NUMBER	OC	ORGANIC CONTENT (%)
▽	GROUND WATER LEVEL	PI	PLASTICITY INDEX (%)
MC	NATURAL MOISTURE CONTENT (%)	FA	FRICTION ANGLE (Degrees)
-200	FINES PASSING NO. 200 SEIVE (%)	UW	SUBMERGED UNIT WEIGHT (PcF)
LL	LIQUID LIMIT (%)	C	Cohesion (ksf)
		HA	HAND AUGER

ENVIRONMENTAL CLASSIFICATION

Environmental Classification is Extremely Aggressive

SOILS CLASSIFICATION

CORRELATION OF VALUES WITH RELATIVE DENSITY AND CONSISTENCY

COHESIONLESS SOIL

N - VALUE	RELATIVE DENSITY
0 - 4	VERY LOOSE
5 - 10	LOOSE
11 - 30	MEDIUM DENSE
31 - 50	DENSE
OVER 50	VERY DENSE

SILTS AND CLAYS

N - VALUE	CONSISTENCY
0 - 2	VERY SOFT
0 - 2	SOFT
0 - 2	FIRM
0 - 2	STIFF
0 - 2	VERY STIFF
0 - 2	HARD
0 - 2	VERY HARD

APPROXIMATE FINES CONTENT	MODIFIERS
5% TO 12%	SLIGHTLY SILTY OR SLIGHTLY CLAY
12% TO 30%	SILTY OR CLAYEY
30% TO 50%	VERY SILTY OR VERY CLAYEY

CORRELATION OF N- VALUES WITH HARDNESS DESCRIPTION

LIMEROCK

N - VALUE	REALTIVE DENSITY
0 - 19	VERY SOFT
20 - 49	SOFT
50 - 100	MEDIUM HARD
50 FOR 2 - 5'	MODERATELY HARD
50 FOR 0 - 2'	VERY HARD

APPROXIMATE ROCK/SHELL/. ROOT CONTENT	MODIFIERS
5% TO 10%	TRACE
10% TO 20%	TRACE TO SOME
20% TO 40%	SOME
40% TO 60%	AND

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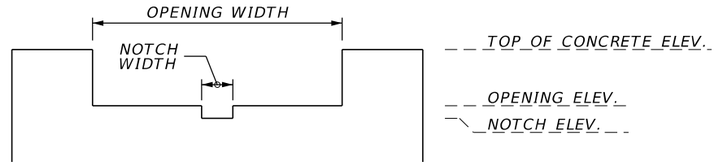
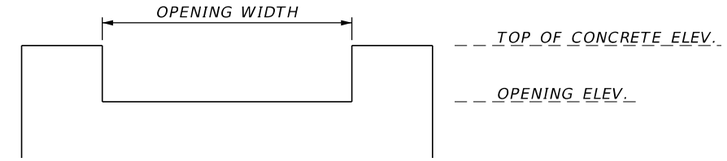
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

POND DETAIL
SOIL BORINGS

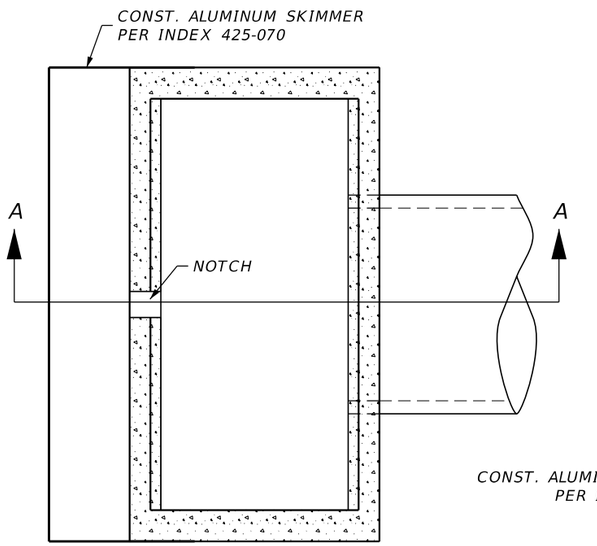
SHEET NO. 78



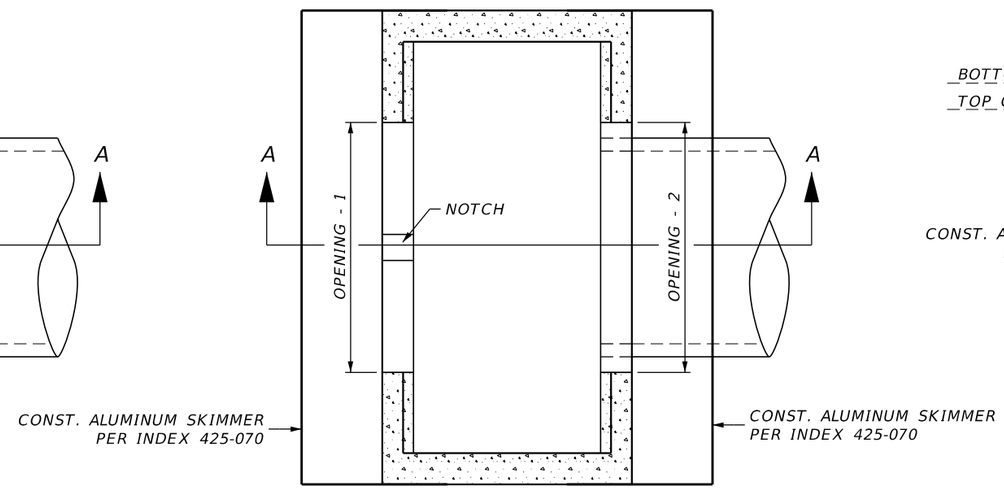
OPENING - 1



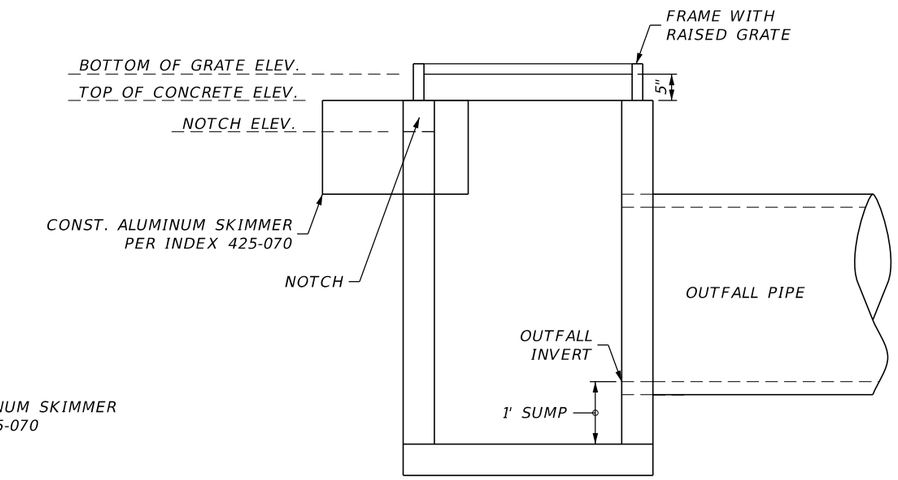
OPENING - 2



PLAN VIEW
WITHOUT OPENING



PLAN VIEW
WITH OPENING



SECTION "A-A"

SUMMARY OF CONTROL STRUCTURES

CONTROL STRUCTURE	NOTCH		OPENING 1		OPENING 2		TOP OF CONCRETE ELEV.	BOTTOM OF RAISED GRATE ELEV.	BOX TYPE	NUMBER OF GRATES	OUTFALL PIPE SIZE (INCHES)		OUTFALL INVERT	COMMENT
	ELEV.	WIDTH (INCHES)	ELEV.	WIDTH (INCHES)	ELEV.	WIDTH (INCHES)					SINGLE	DOUBLE		
CS-102	5.0	9	N/A	N/A	N/A	N/A	5.37	5.79	H	4	-	30	1.40	
CS-200	4.0	14	N/A	N/A	N/A	N/A	4.51	4.93	H	4	-	36	0.0	
CS-300	4.0	29	N/A	N/A	N/A	N/A	4.37	4.79	H	4	-	36	0.0	
CS-400	4.0	13	N/A	N/A	N/A	N/A	4.12	4.54	H	2	24	-	1.0	
CS-402	3.5	22	N/A	N/A	N/A	N/A	3.60	4.02	H	2	30	-	0.0	

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	CHARLOTTE	20225022-00R

DRAINAGE DETAILS

SHEET NO. 79

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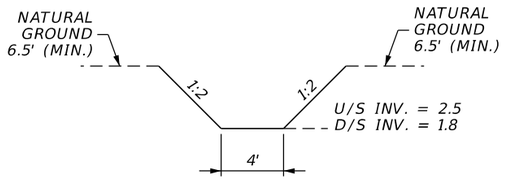
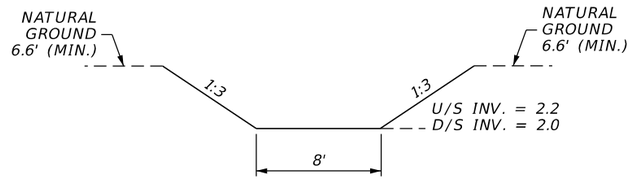


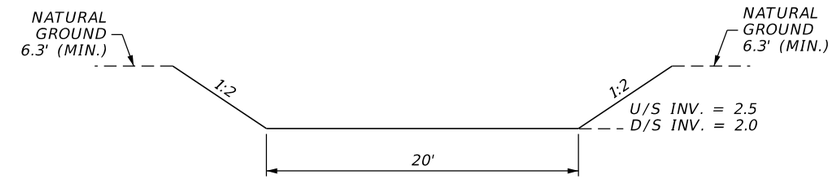
OUTFALL 102 DITCH

NOT TO SCALE



OUTFALL 200 DITCH

NOT TO SCALE



OUTFALL 300 DITCH

NOT TO SCALE

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

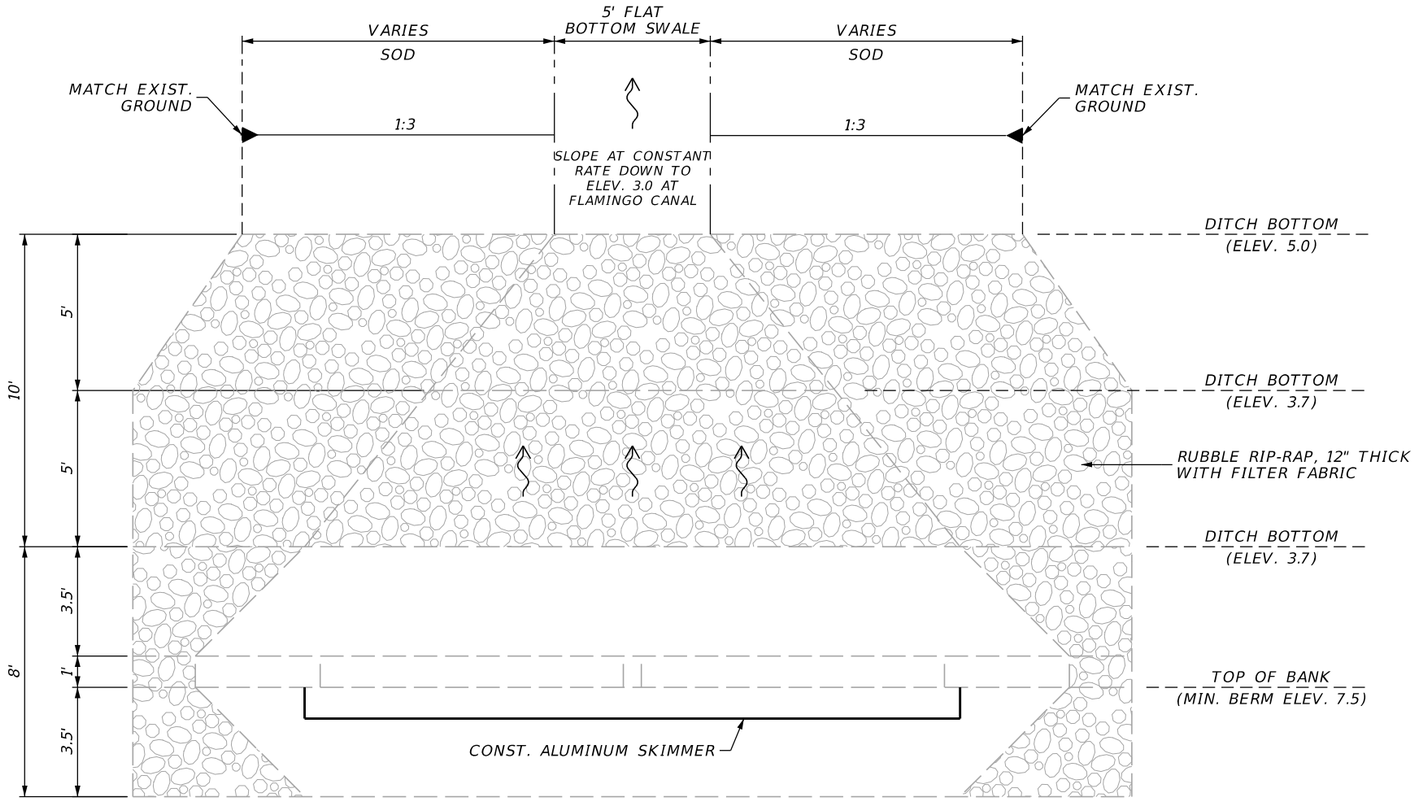
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE DETAILS

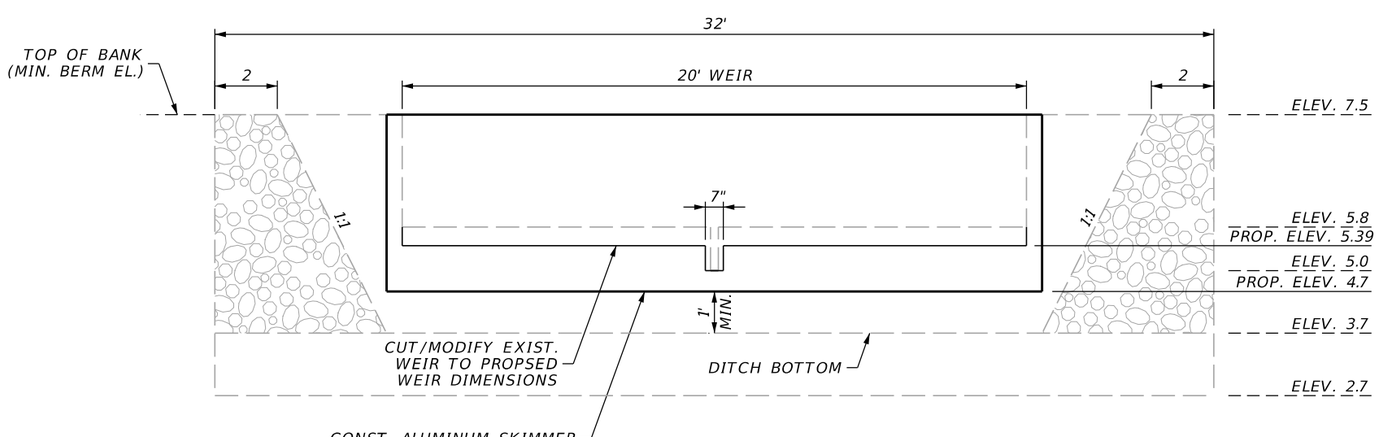
SHEET NO. 80



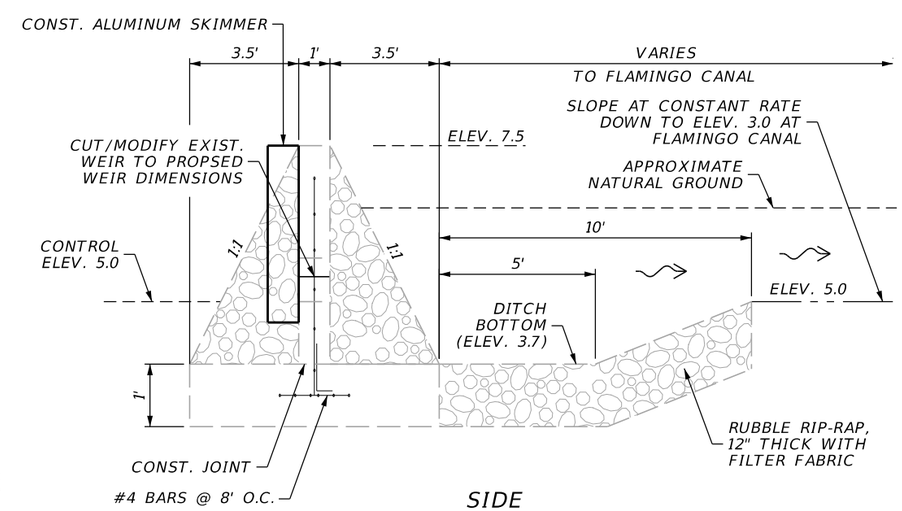
TOP

POND 100

25 YEAR/24 HOUR PEAK STAGE (FT-NAVD) = 6.0
MINIMUM BERM ELEVATION (FT-NAVD) = 6.5
OVERFLOW WEIR = 5.4 (WEIR CREST @ TREATMENT ELEVATION)
WEIR WIDTH = 20'



FRONT



SIDE

EXIST. CS-100 WEIR DETAIL (MOD.)

NOT TO SCALE

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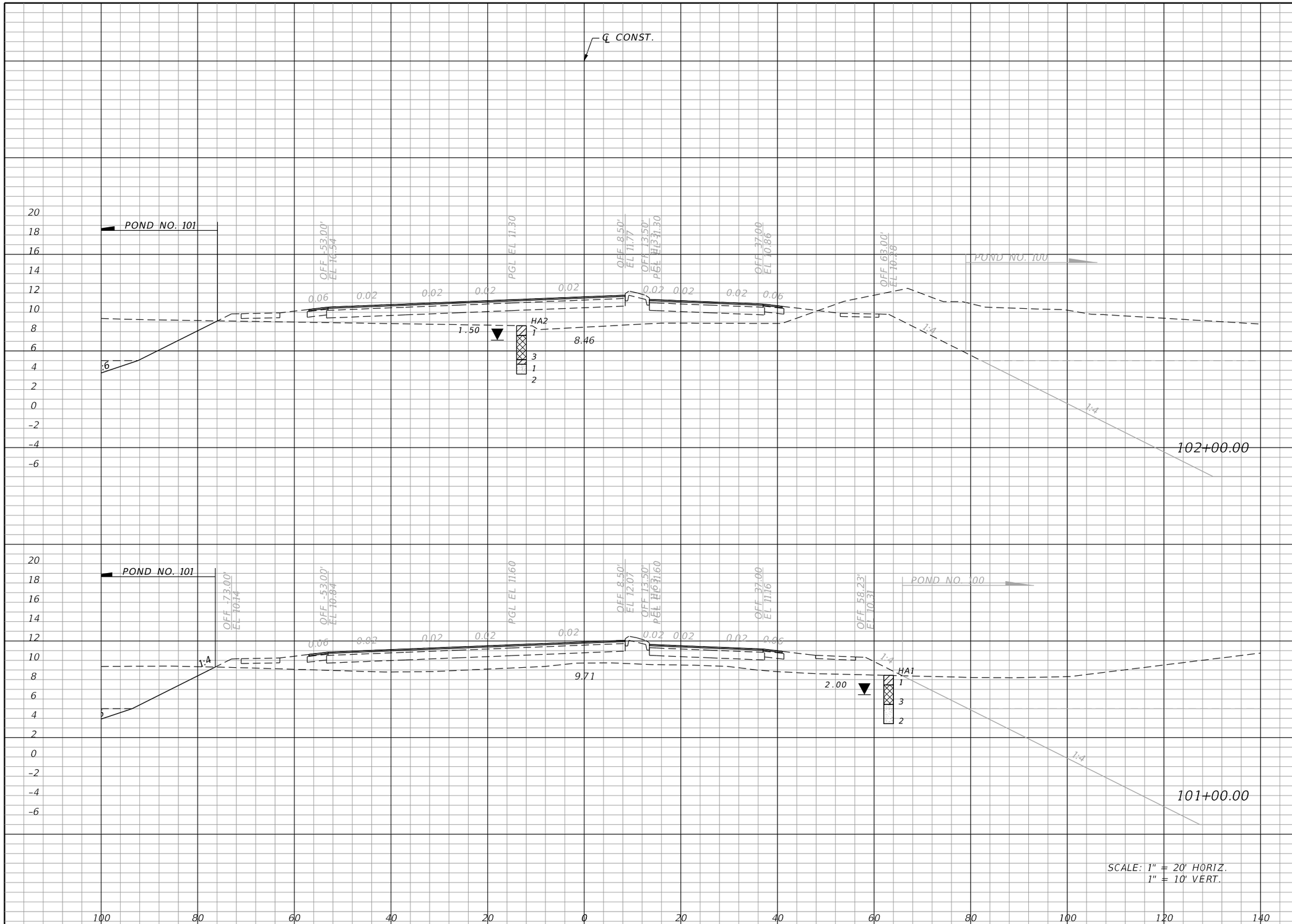
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

DRAINAGE DETAILS

SHEET NO. 81



Regular Exc.		Embankment	
A	V	A	V

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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

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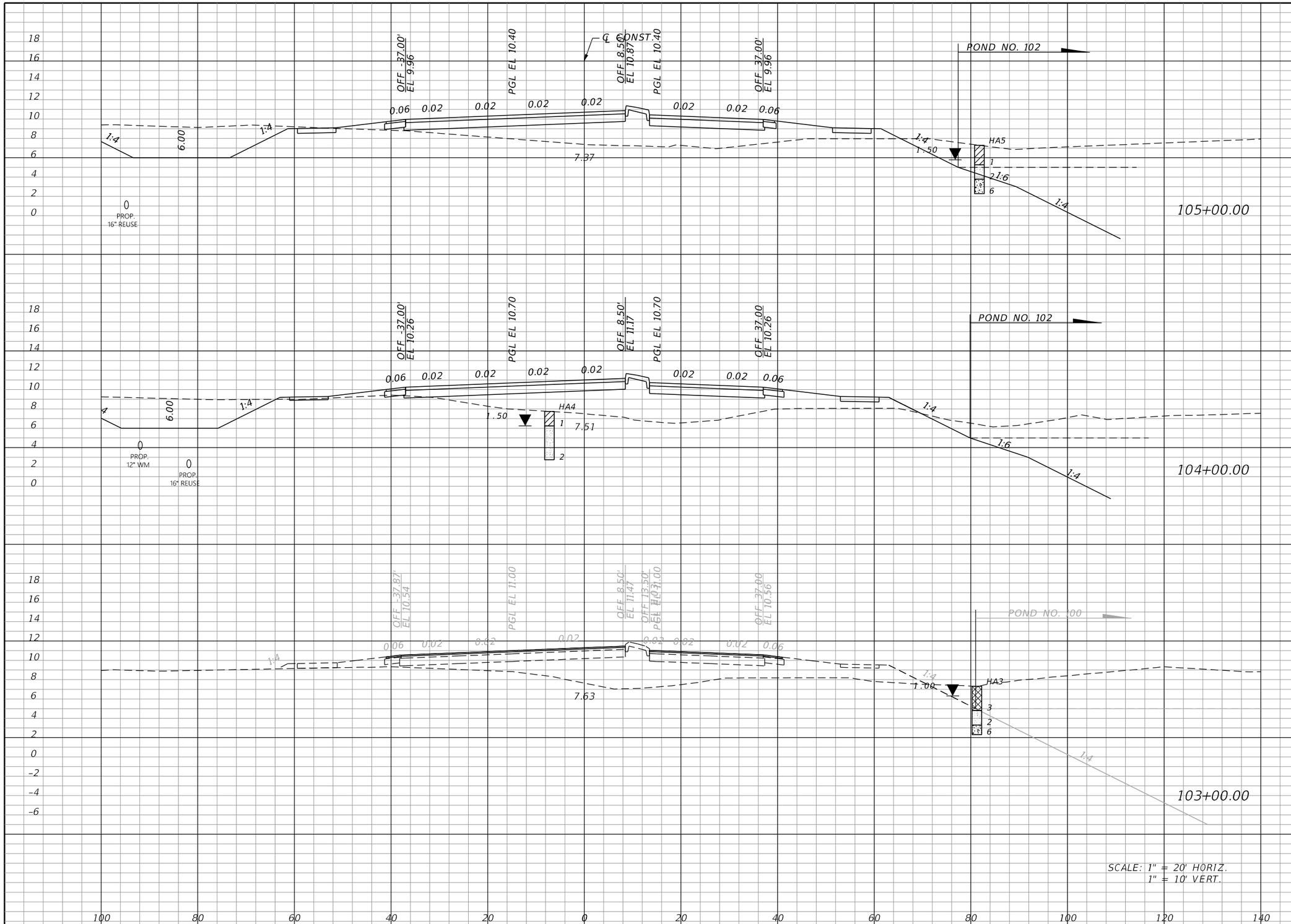
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 82



Regular Exc.		Embankment	
A	V	A	V
114.0	400.4	160.6	639.4
102.3	0.0	184.7	0.0

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CHARLOTTE COUNTY
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ROAD NO.	COUNTY	PROJECT ID
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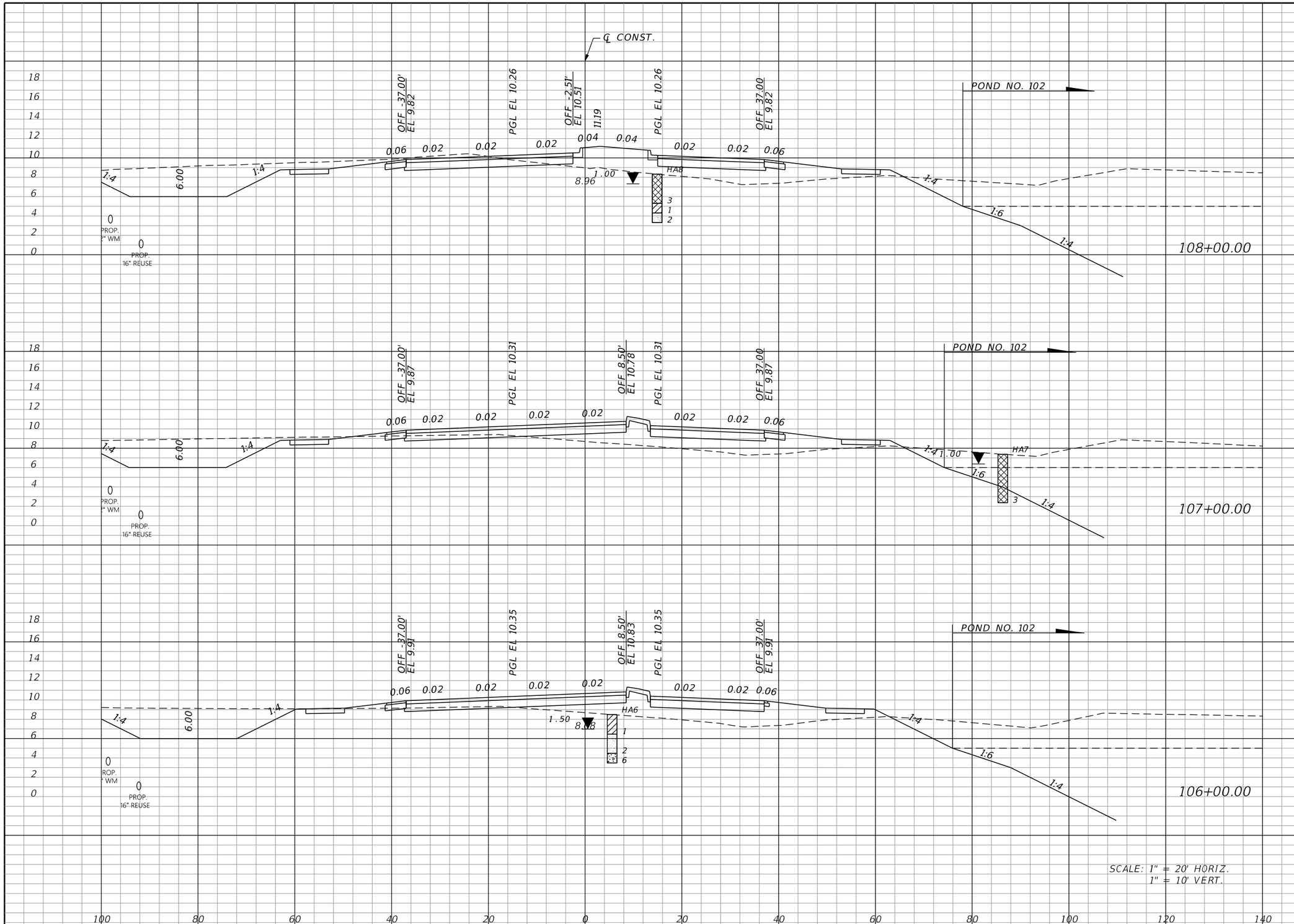
CROSS SECTIONS

SHEET NO. 83



Regular Exc.		Embankment	
A	V	A	V
149.6	481.0	91.2	324.8
110.2	410.6	84.2	328.4
111.5	417.5	93.2	469.9

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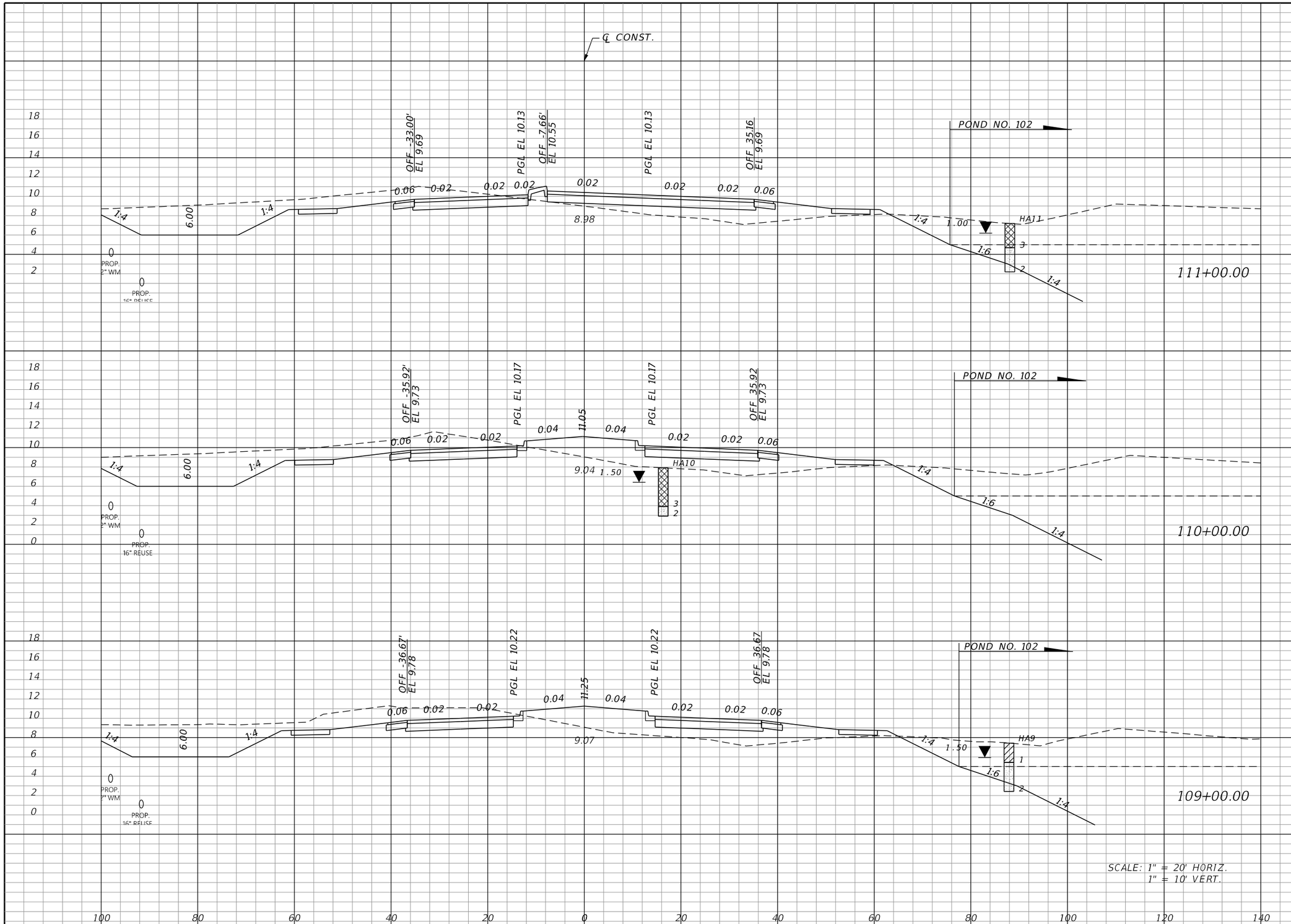
CROSS SECTIONS

SHEET NO. 84



Regular Exc.		Embankment	
A	V	A	V
175.9	697.8	61.9	299.9
200.9	748.2	100.0	374.6
203.2	653.2	102.3	358.3

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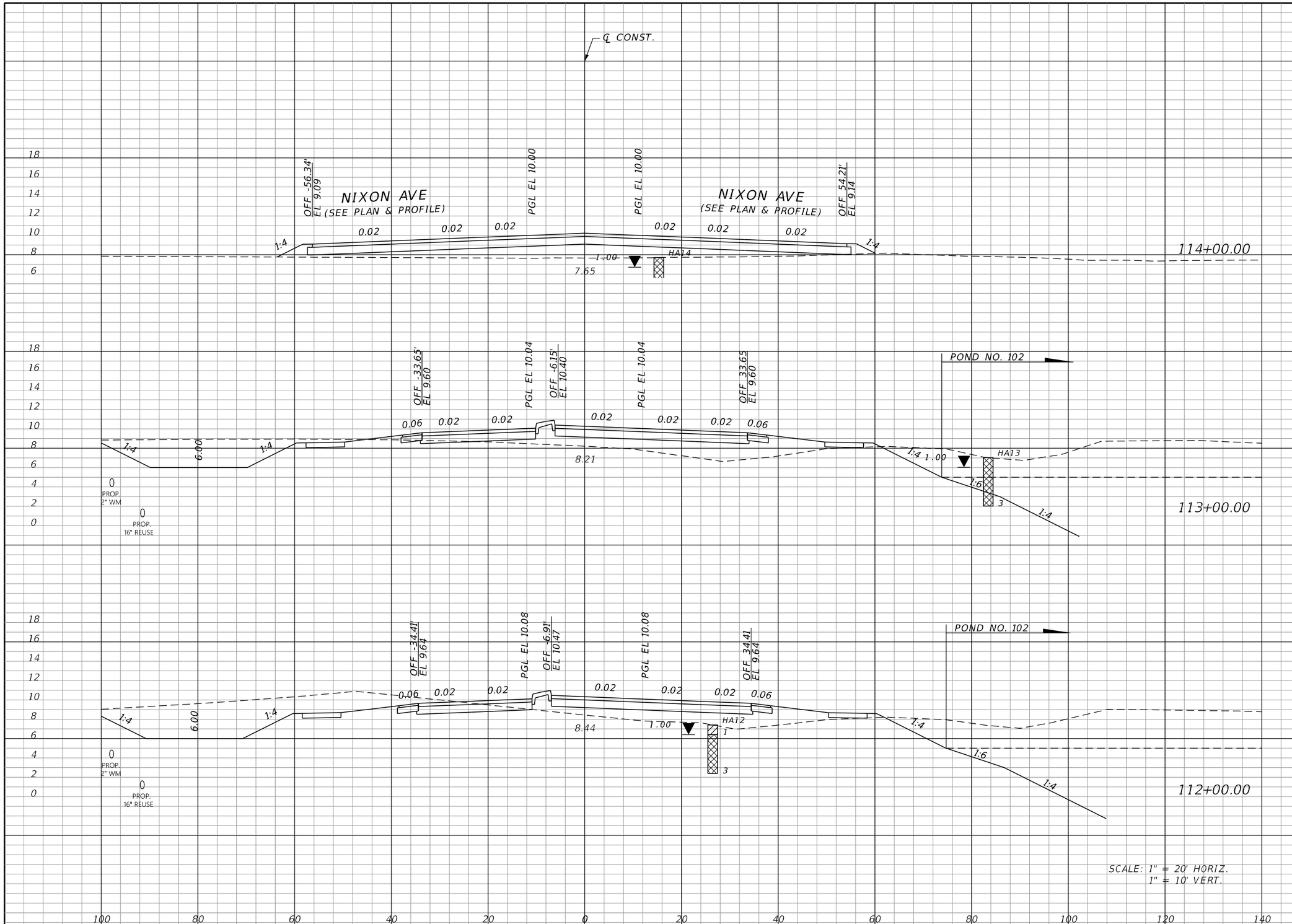
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 85



Regular Exc.		Embankment	
A	V	A	V
0.0	189.4	99.3	351.1
102.2	542.0	90.3	302.6
190.4	678.4	73.1	250.0

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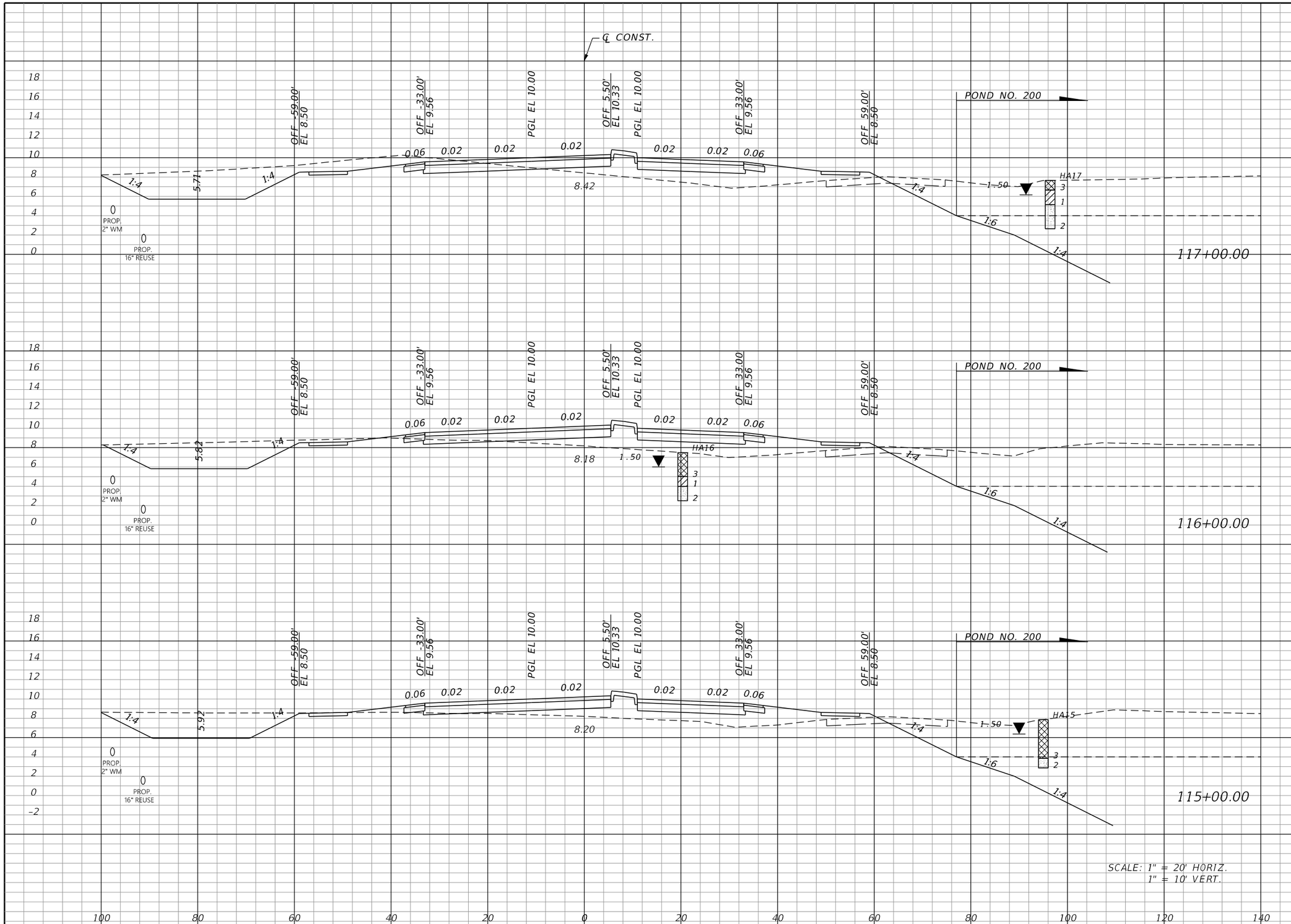
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 86



Regular Exc.		Embankment	
A	V	A	V
144.7	443.5	77.0	292.6
94.8	332.5	81.0	295.6
84.8	157.0	78.6	329.5

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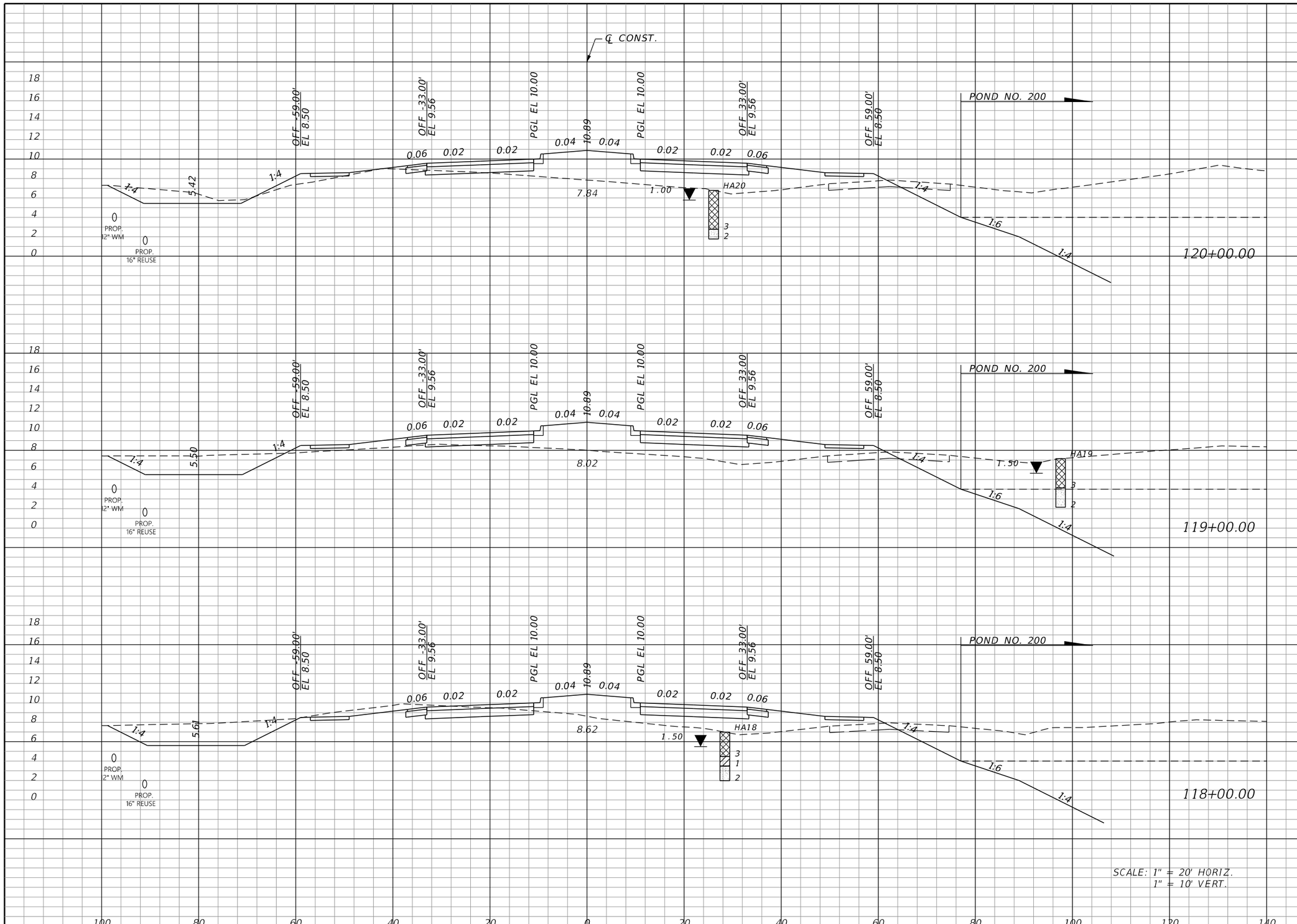
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 87



Regular Exc.		Embankment	
A	V	A	V
29.8	161.2	146.6	533.8
57.2	303.4	141.6	452.5
106.6	465.4	102.7	332.8

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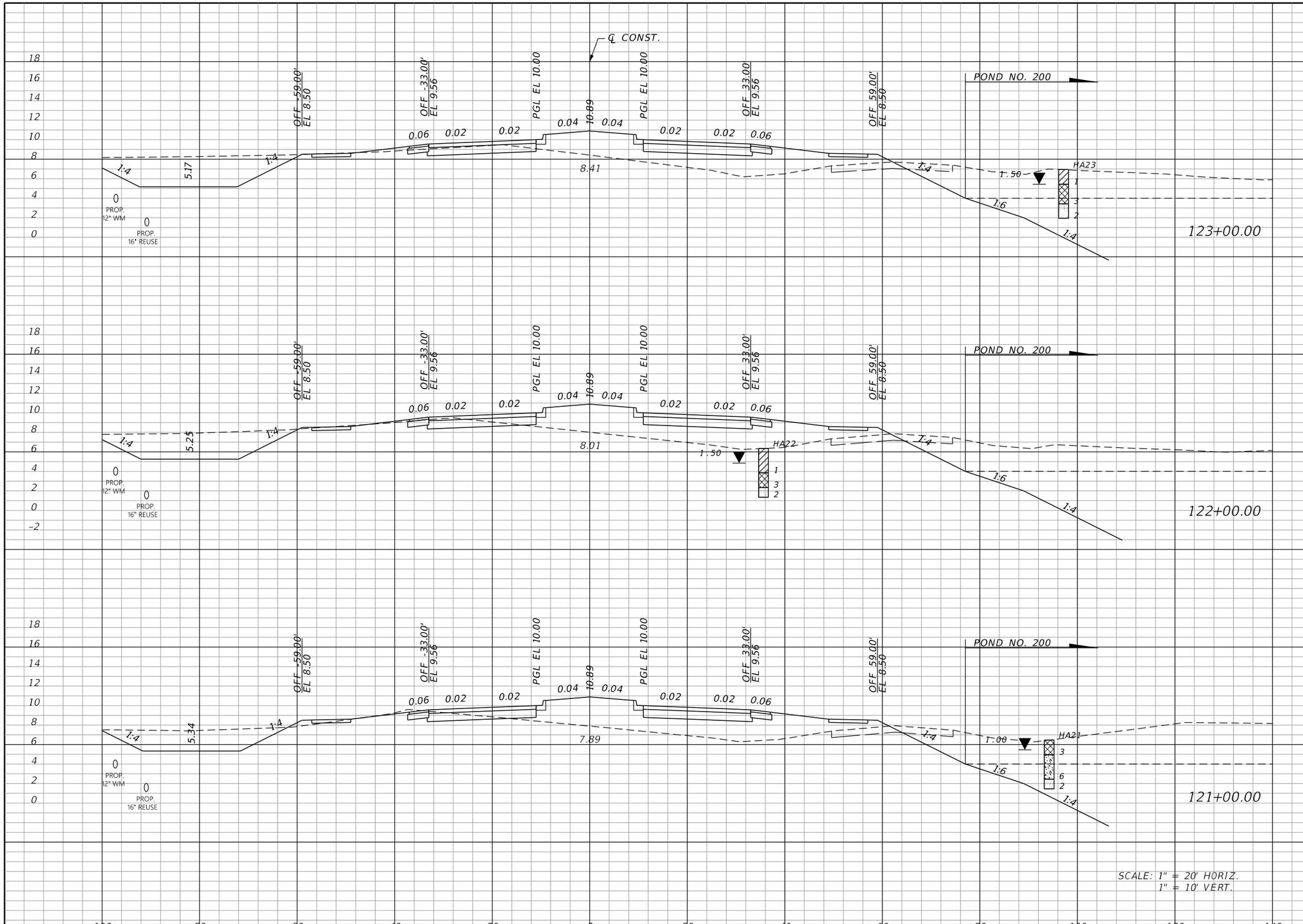
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 88



	Regular Exc.		Embankment	
	A	V	A	V
123+00.00	120.5	411.6	128.0	493.0
122+00.00	101.8	331.5	138.3	517.1
121+00.00	77.3	198.4	140.9	532.5

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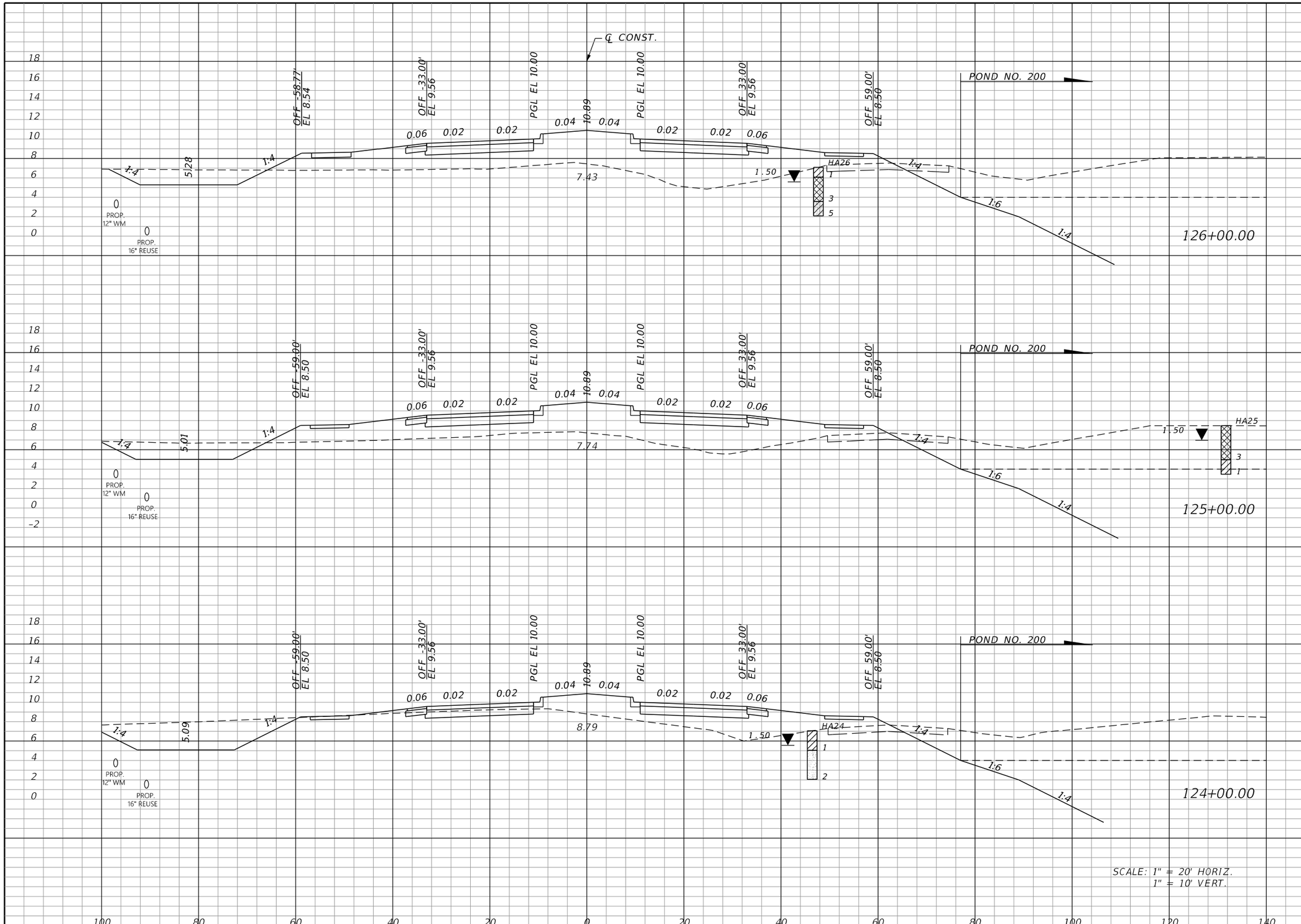
CROSS SECTIONS

SHEET NO. 89



	Regular Exc.		Embankment	
	A	V	A	V
126+00.00	41.0	162.1	282.6	961.8
125+00.00	46.6	287.6	236.8	650.5
124+00.00	108.7	424.5	114.5	449.0

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CHARLOTTE COUNTY
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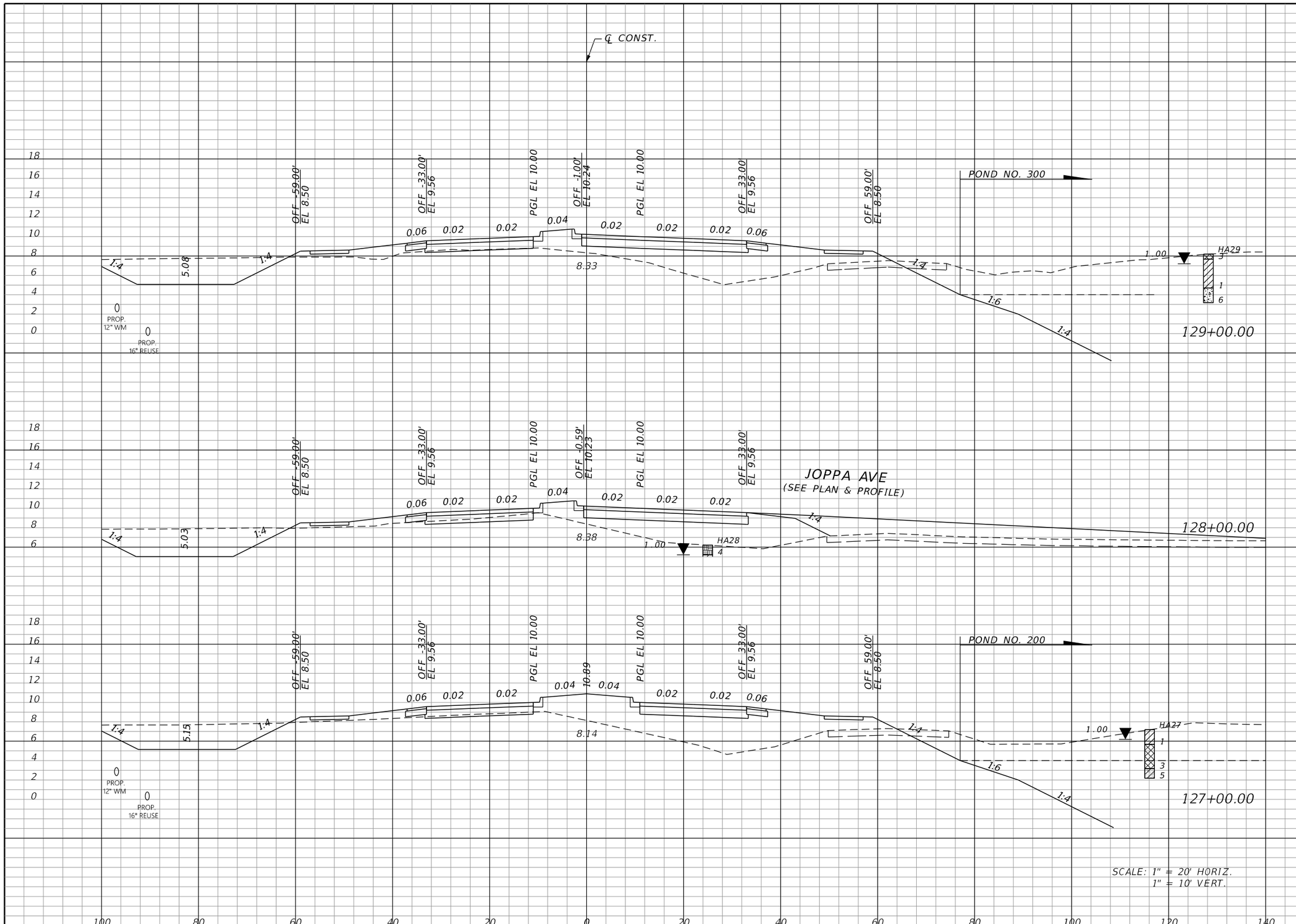
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 90



Regular Exc.		Embankment	
A	V	A	V
83.7	340.0	156.7	524.7
99.9	338.0	126.6	586.2
82.7	229.0	189.9	875.1

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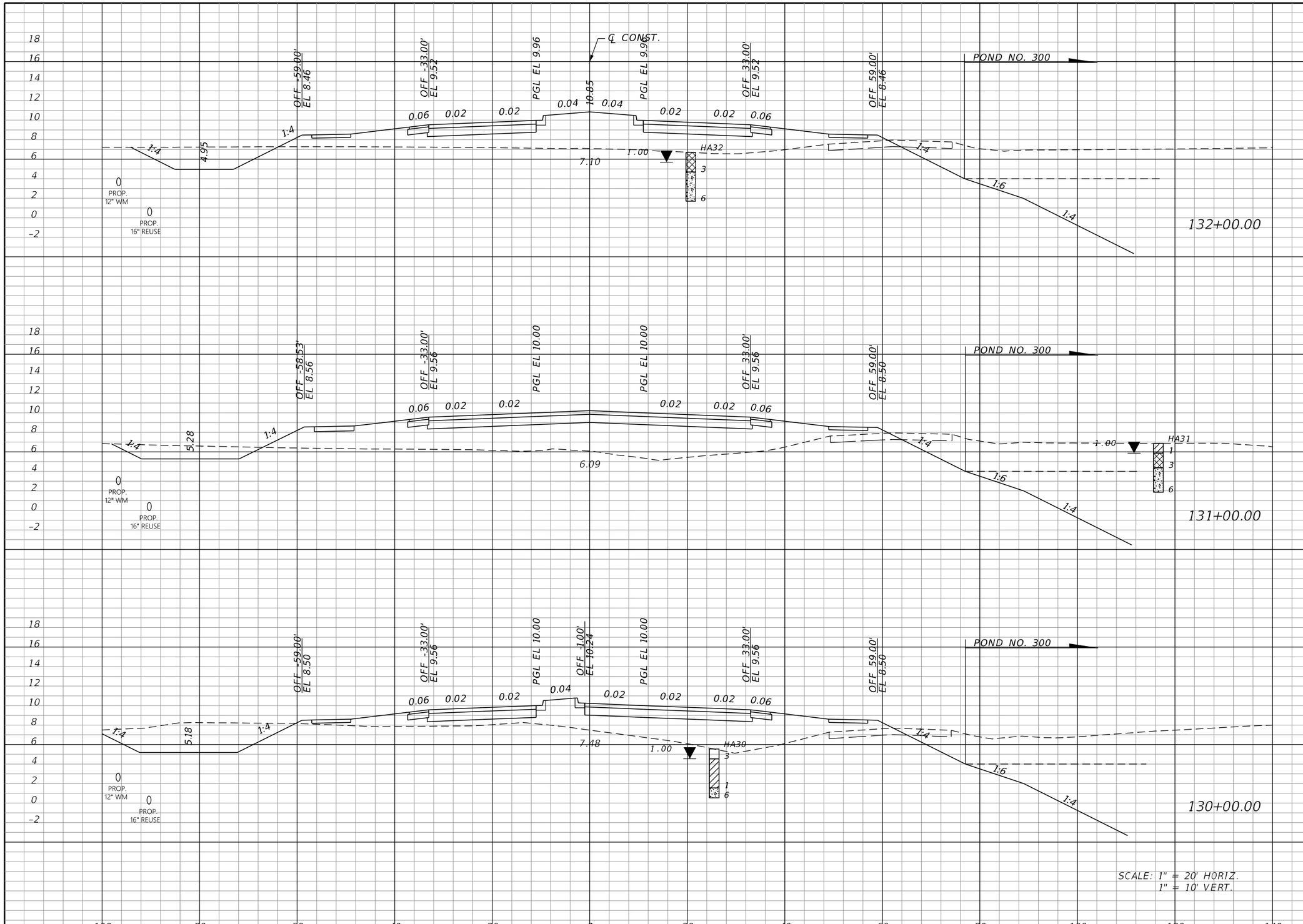
CROSS SECTIONS

SHEET NO. 91



Regular Exc.		Embankment	
A	V	A	V
48.5	153.2	217.4	946.2
34.2	226.6	293.5	887.9
88.2	318.3	185.9	634.5

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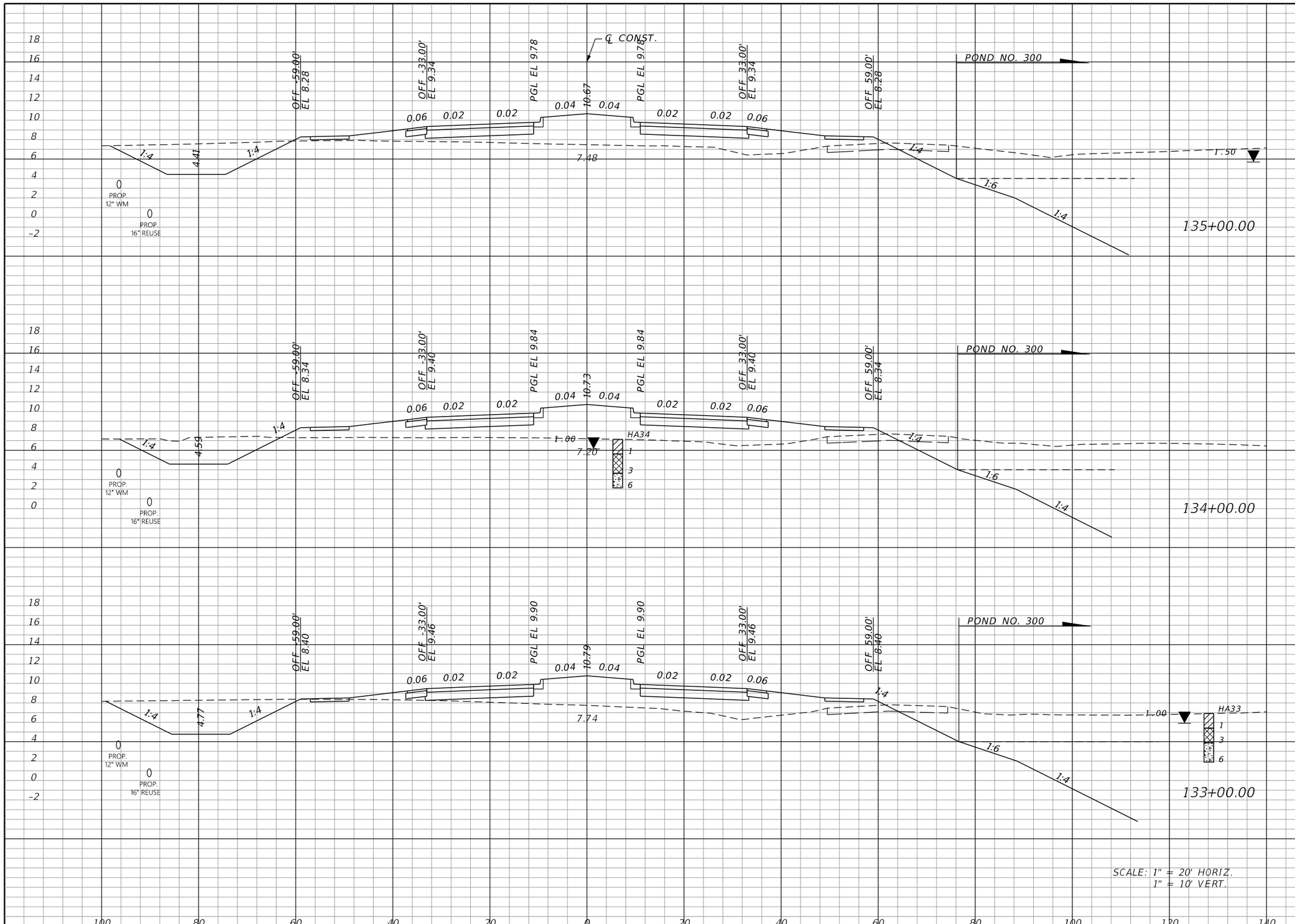
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 92



Regular Exc.		Embankment	
A	V	A	V
78.3	257.6	154.4	652.5
60.8	284.7	197.9	635.7
92.9	261.9	145.3	671.8

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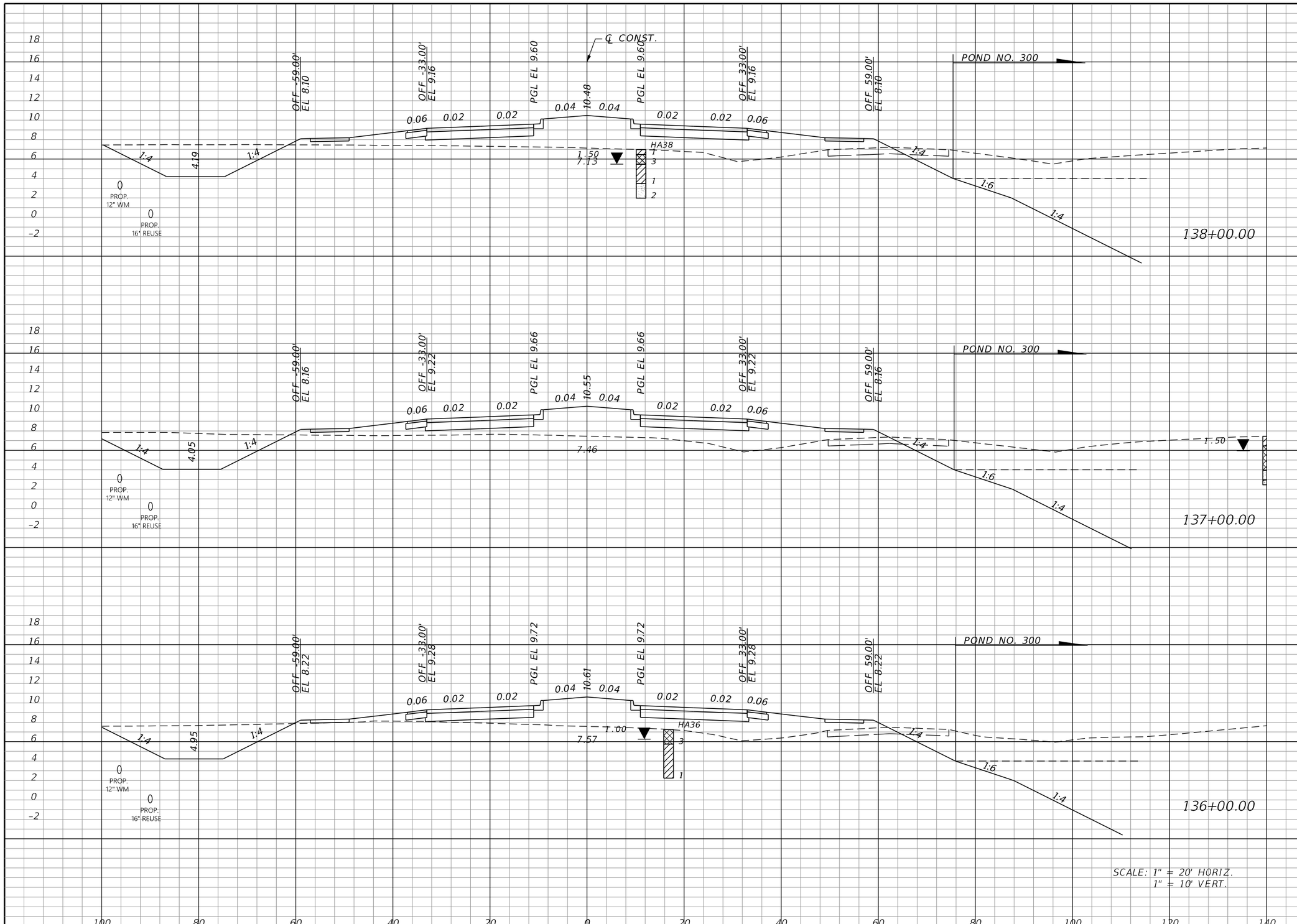
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 93



Regular Exc.		Embankment	
A	V	A	V
82.4	335.7	186.2	655.8
98.8	348.7	168.0	583.9
89.5	310.7	147.4	558.8

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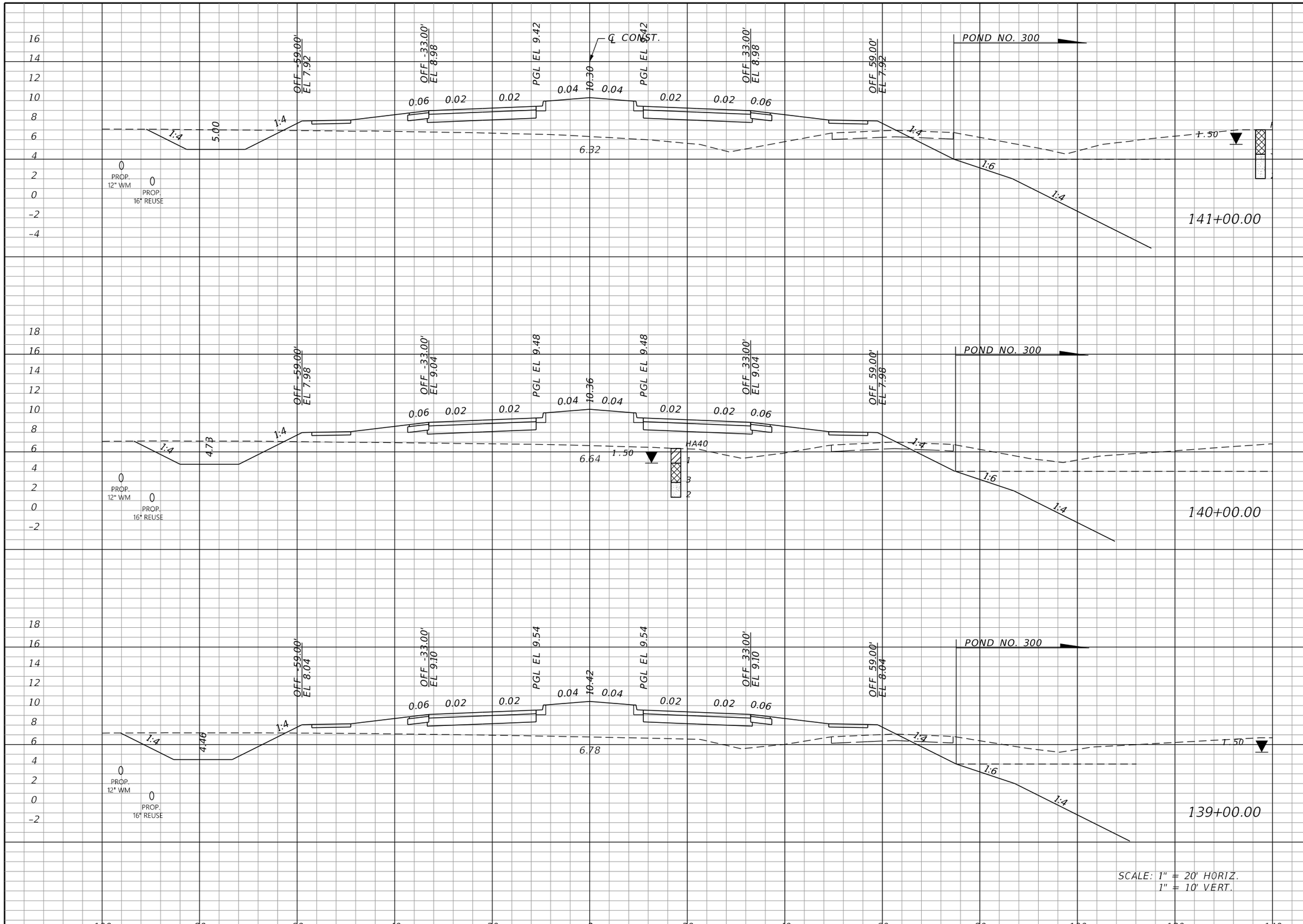
CROSS SECTIONS

SHEET NO. 94



Regular Exc.		Embankment	
A	V	A	V
40.3	168.8	246.5	871.0
50.9	210.7	223.8	807.4
62.9	269.1	212.2	737.6

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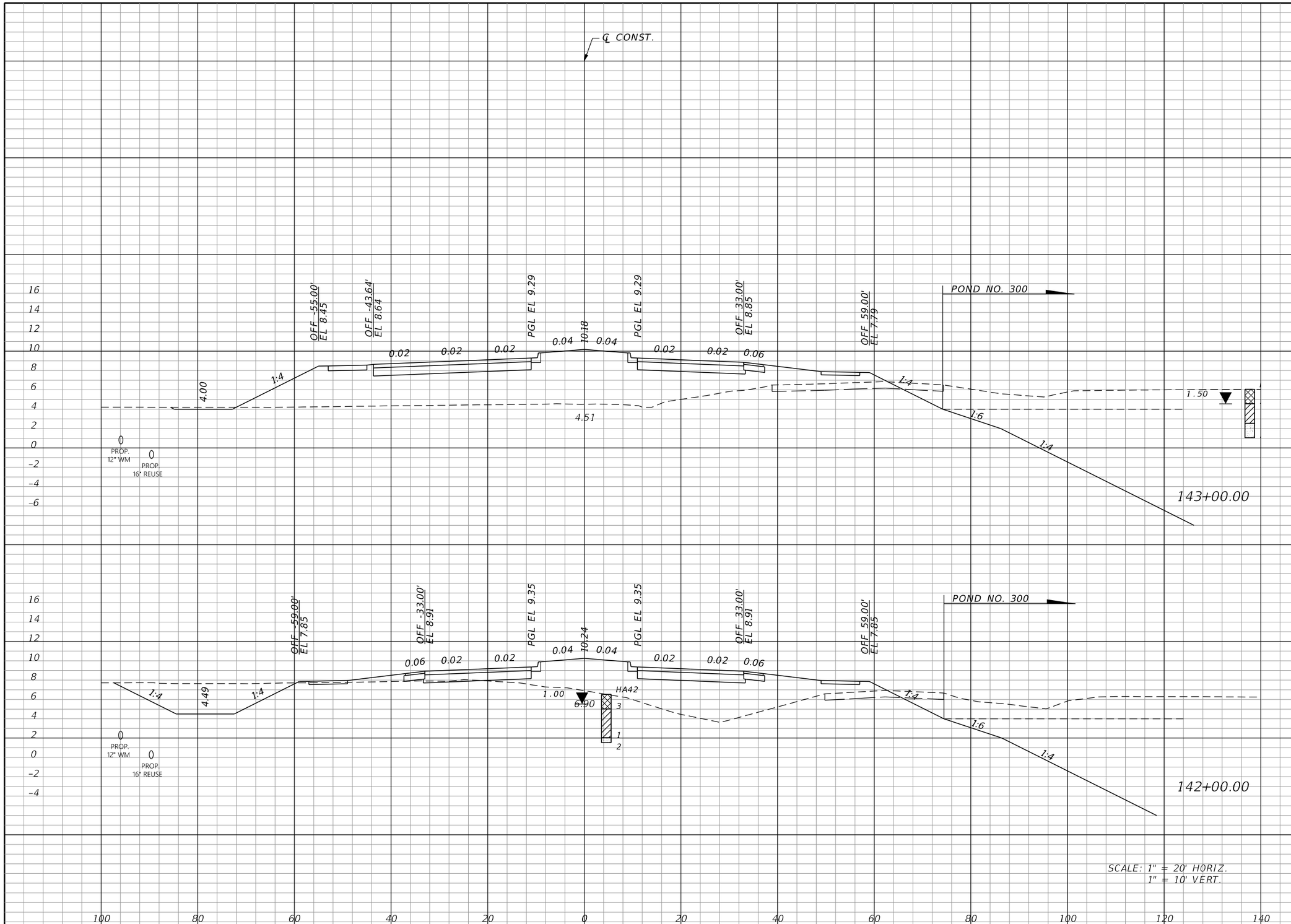
CROSS SECTIONS

SHEET NO. 95



Regular Exc.		Embankment	
A	V	A	V
0.0	150.4	403.5	1134.1
81.2	224.9	208.9	843.4

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ROAD NO.	COUNTY	PROJECT ID
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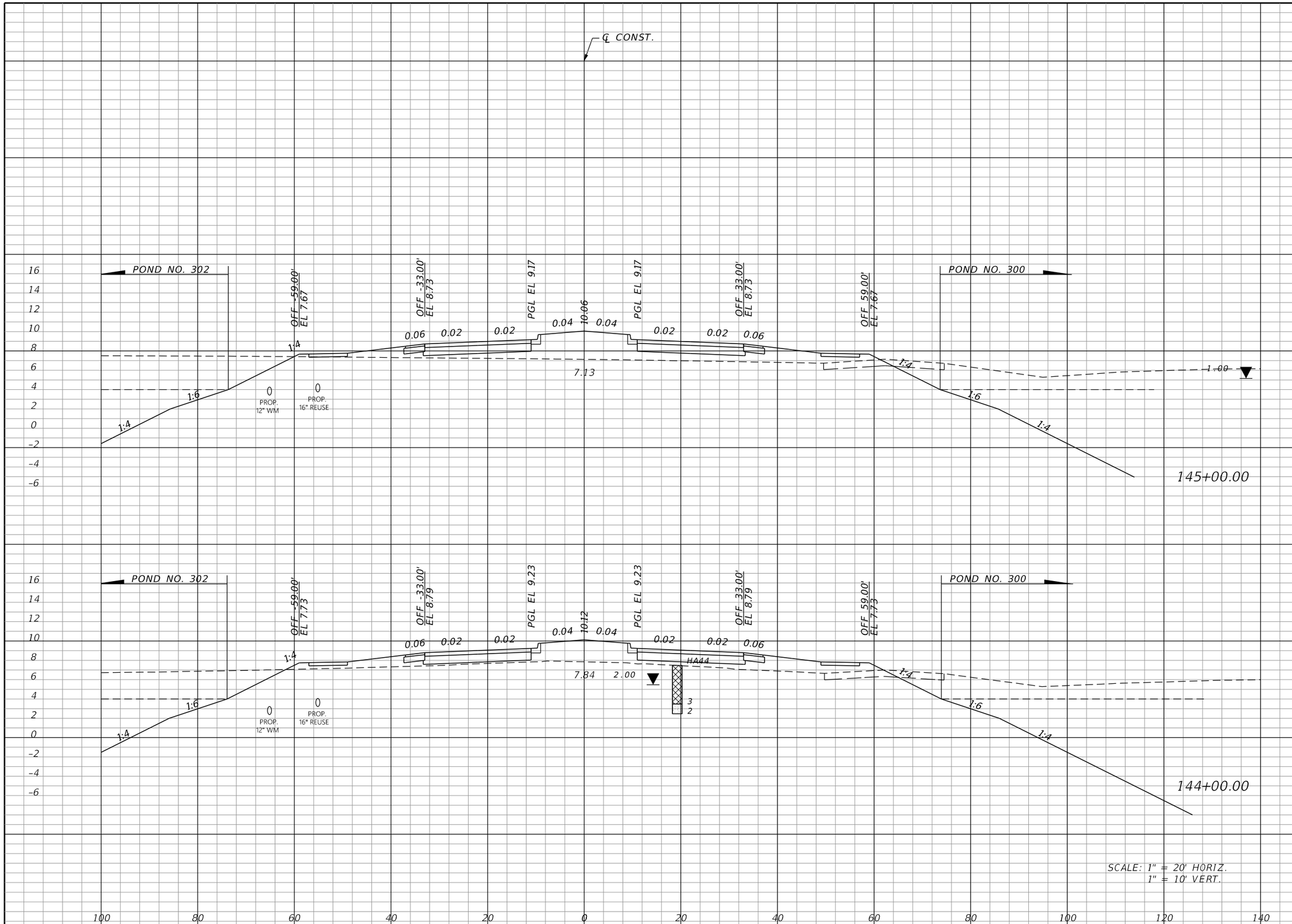
CROSS SECTIONS

SHEET NO. 96



Regular Exc.		Embankment	
A	V	A	V
0.1		121.9	
	0.1		412.4
0.0		100.8	
	0.0		934.0

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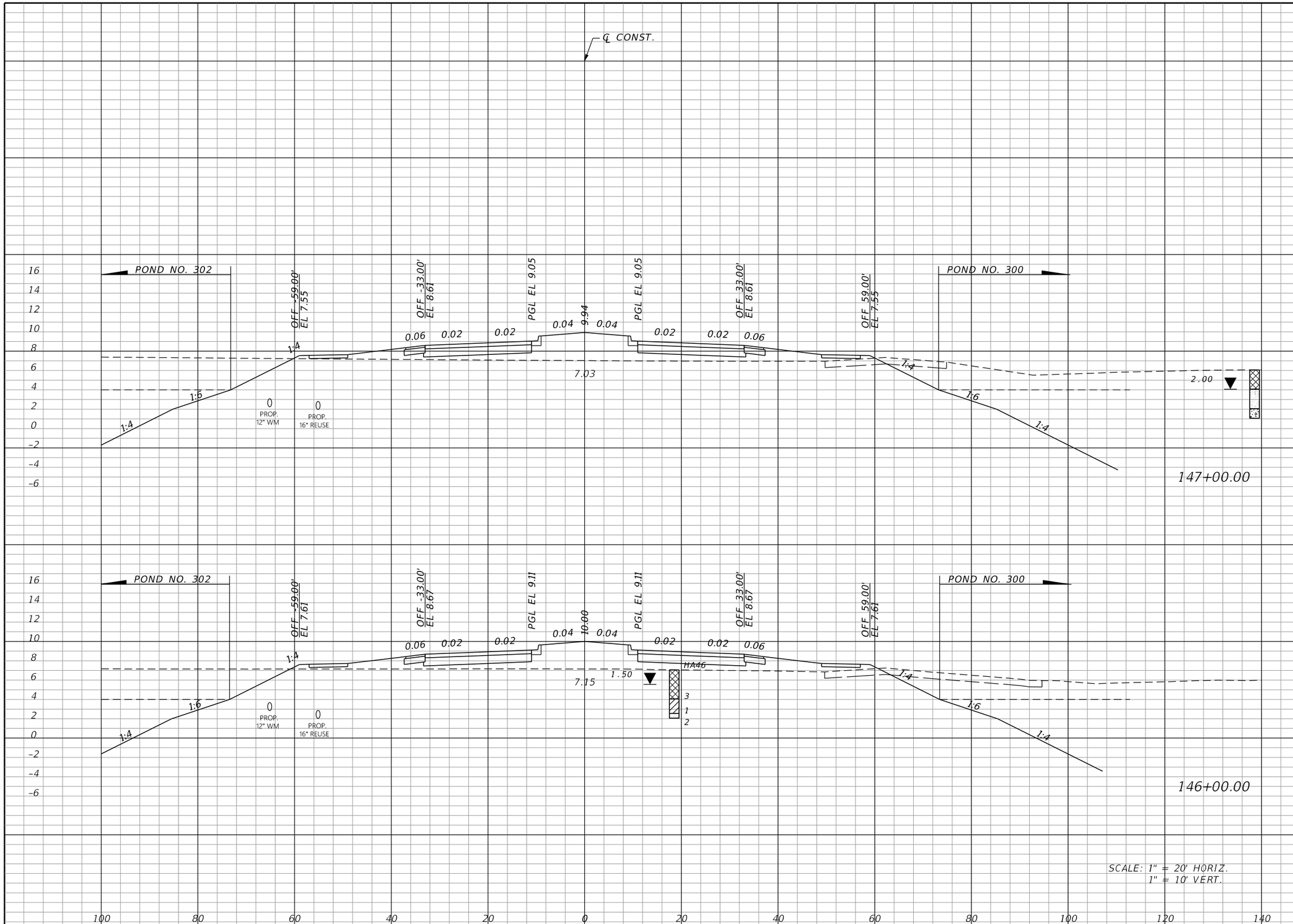
CROSS SECTIONS

SHEET NO. 97



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	112.2	424.1
0.0	0.1	116.9	442.1

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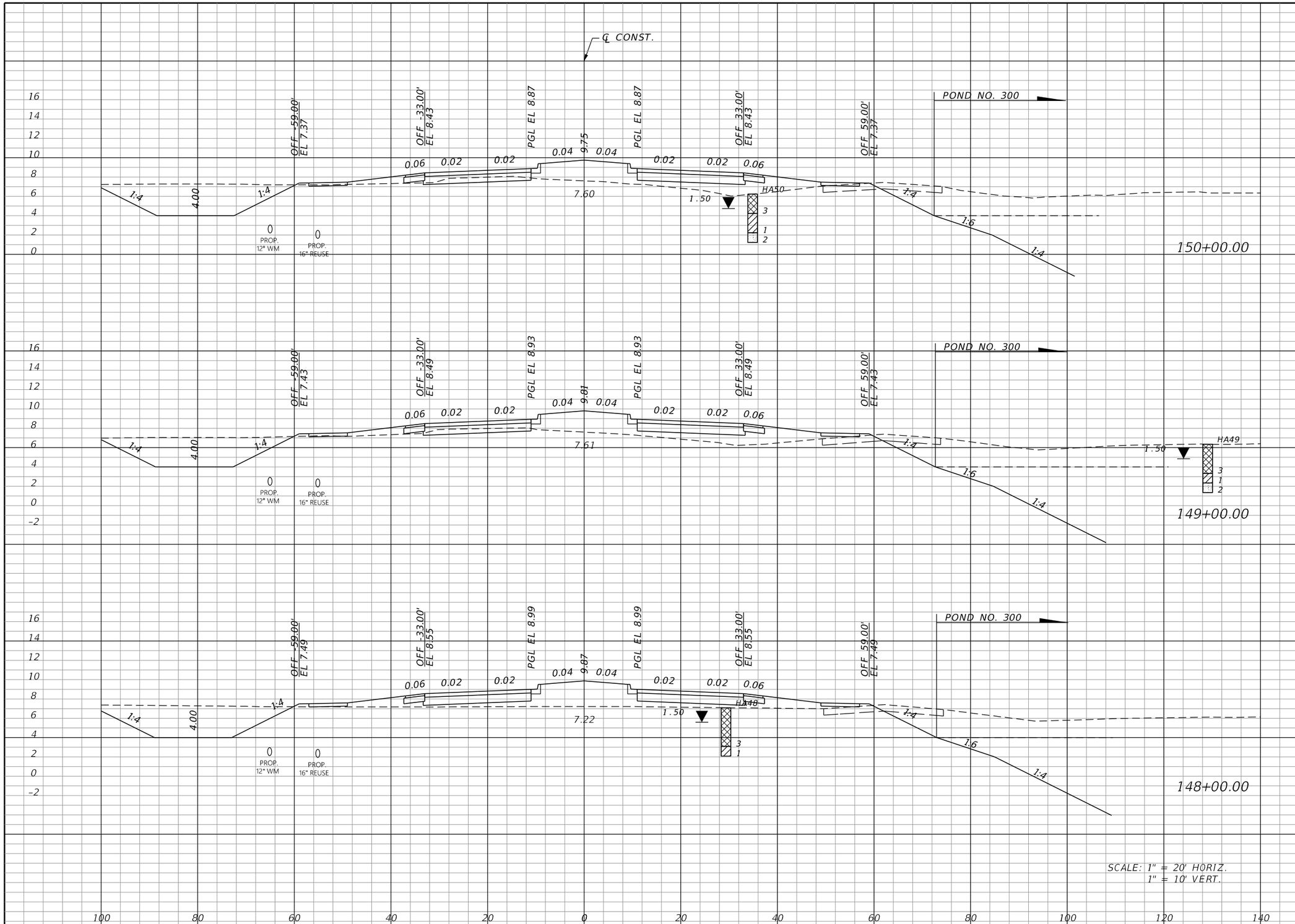
CROSS SECTIONS

SHEET NO. 98



Regular Exc.		Embankment	
A	V	A	V
104.5	371.3	81.6	309.7
96.0	355.2	85.6	331.8
95.8	177.4	93.6	381.0

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

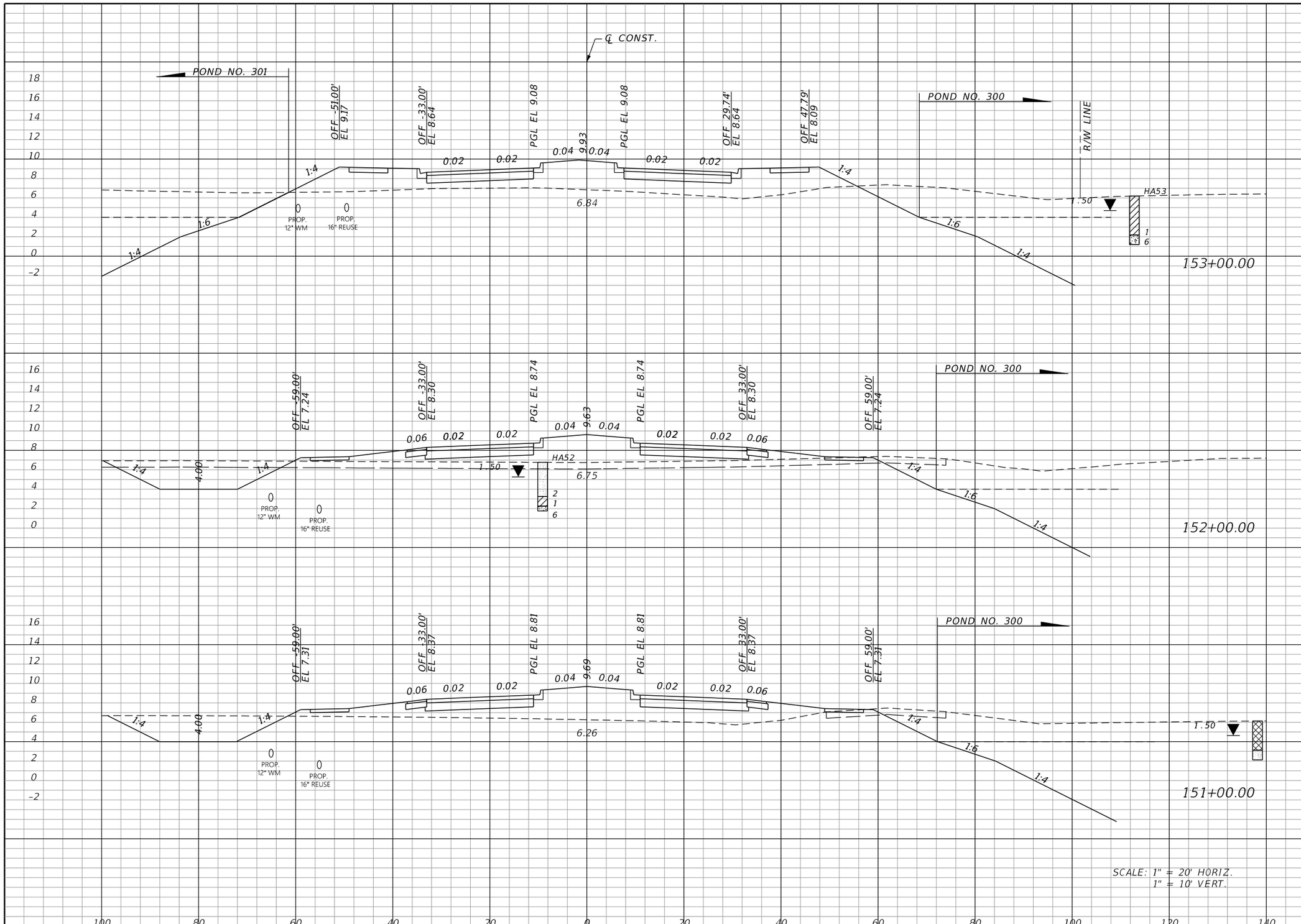
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 99



Regular Exc.		Embankment	
A	V	A	V
0.0	104.7	197.6	545.9
56.5	235.6	97.2	481.5
70.7	324.5	162.8	452.7

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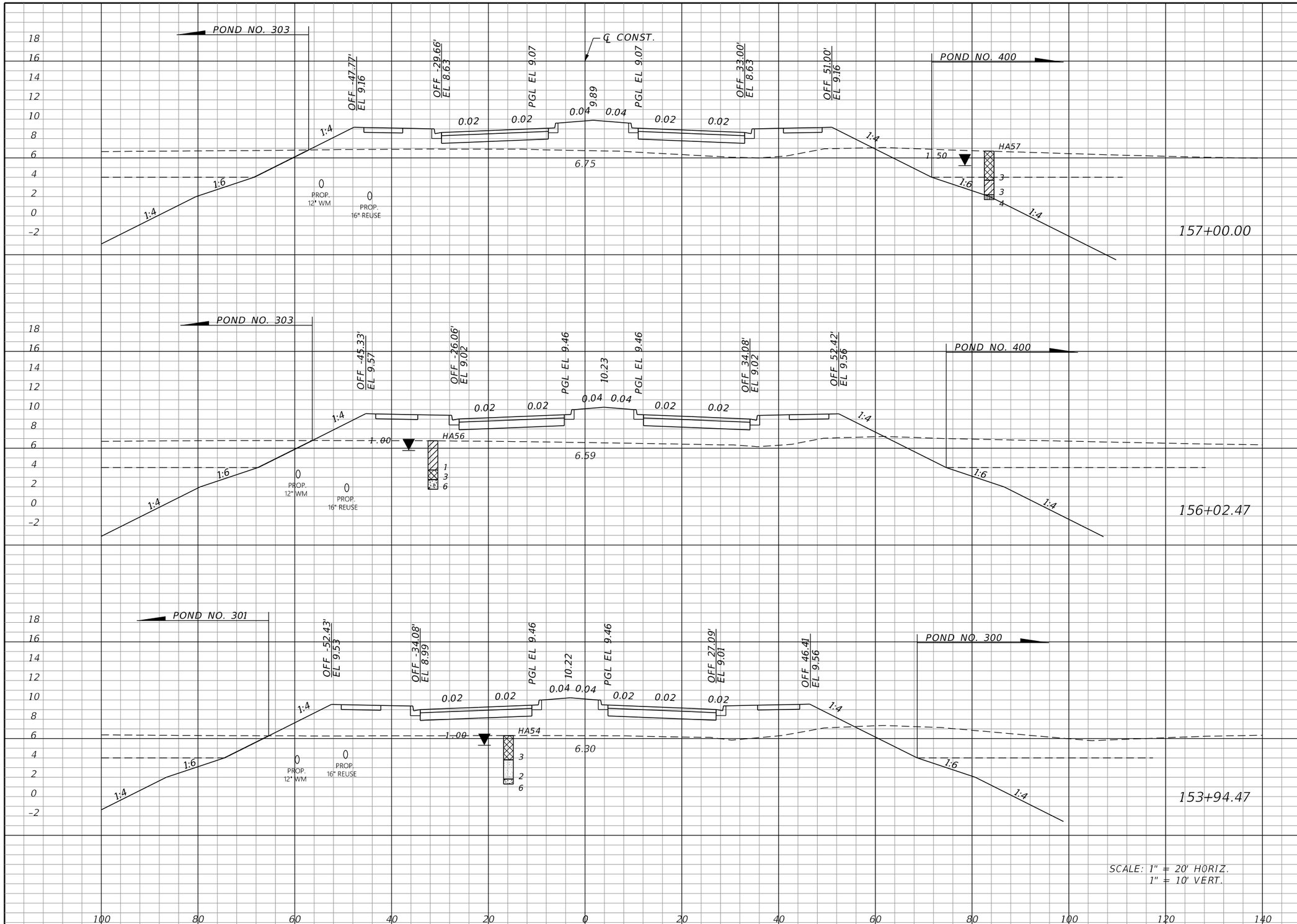
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 100



Regular Exc.		Embankment	
A	V	A	V
0.0		197.9	
	0.0		795.3
0.0		242.4	
	0.0		2016.9
0.0		281.2	
	0.0		837.7

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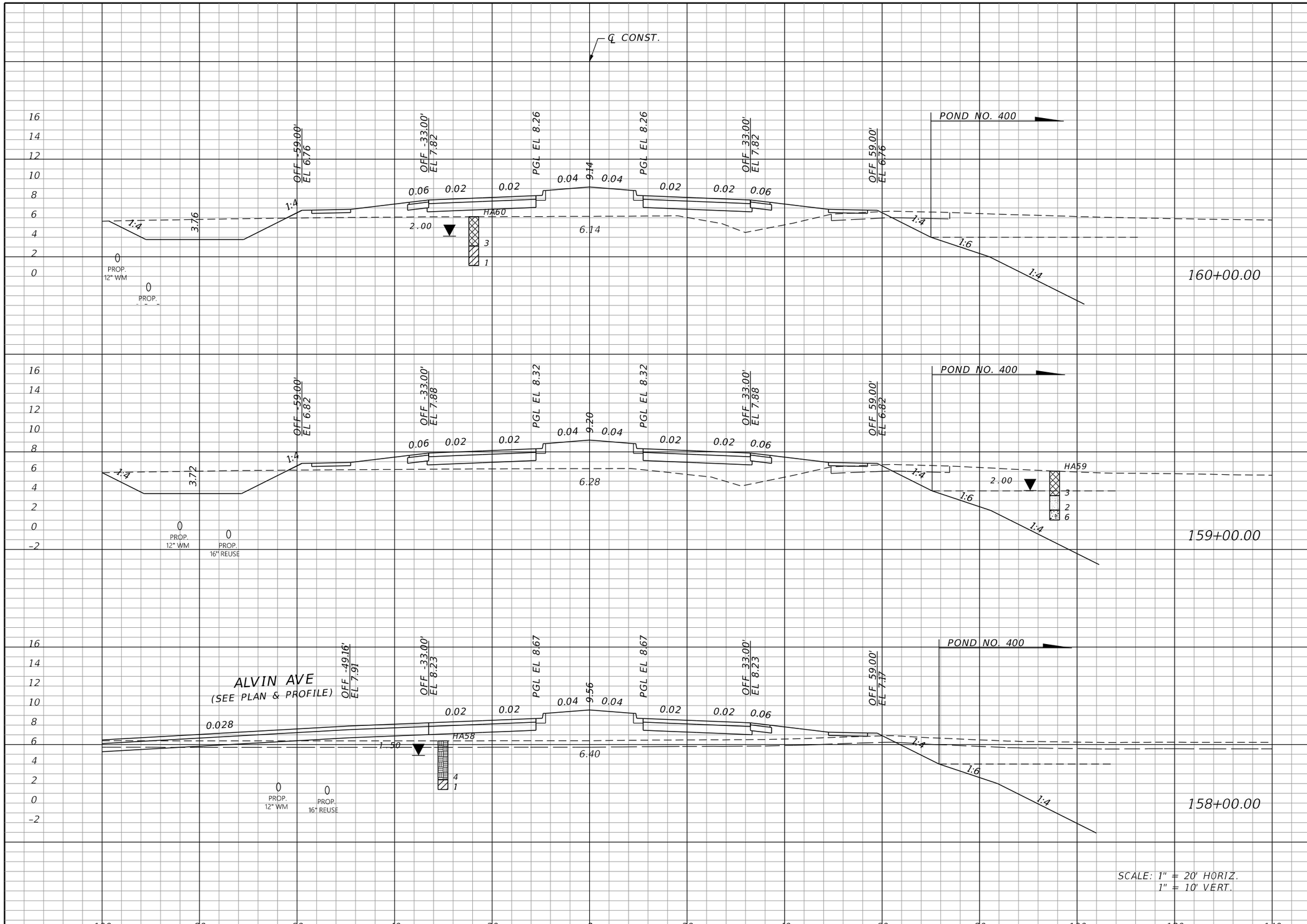
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 101



Regular Exc.		Embankment	
A	V	A	V
58.0	231.1	150.7	556.1
66.7	133.2	149.6	503.1
5.2	9.7	122.1	592.6

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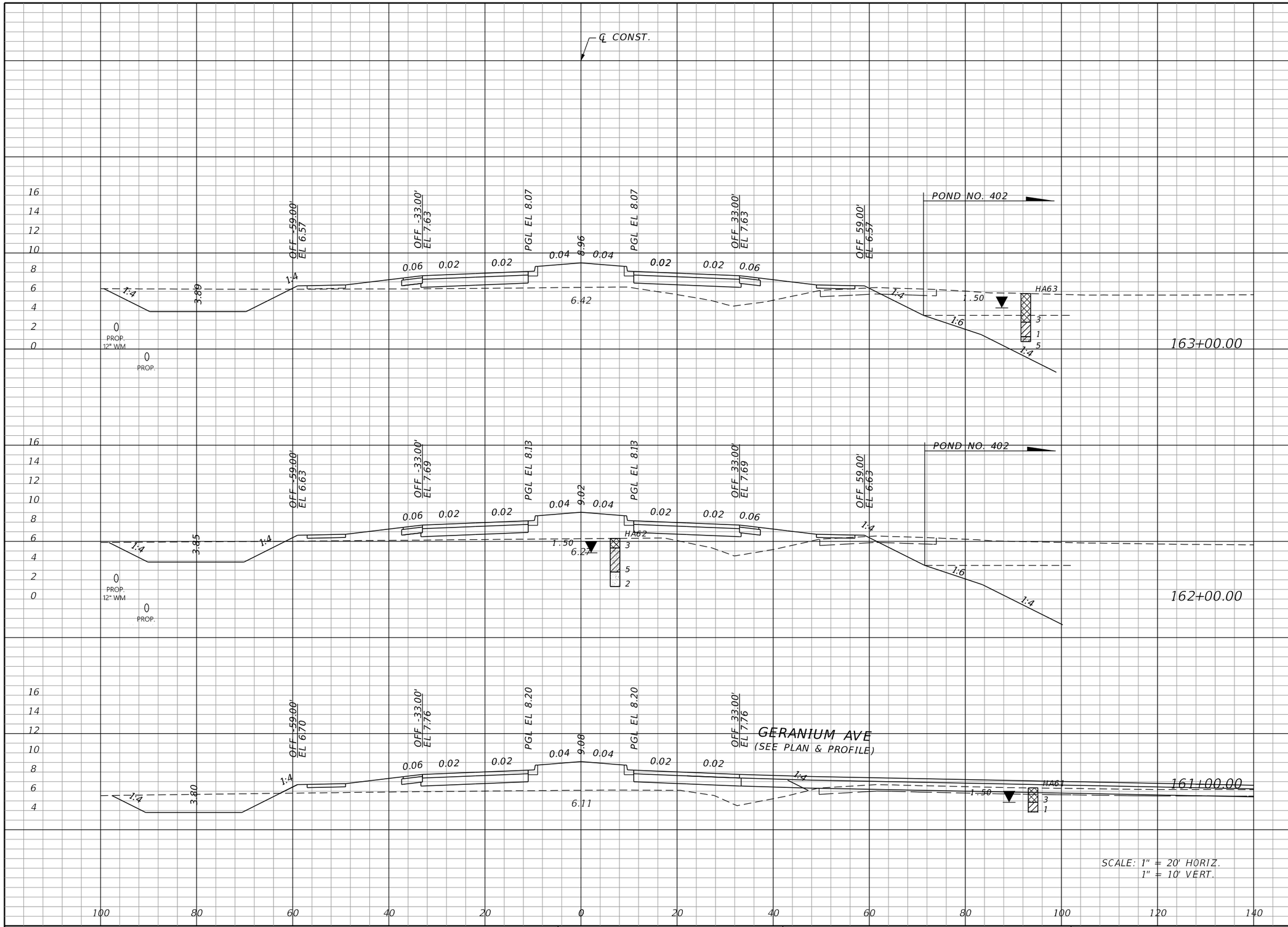
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 102



Regular Exc.		Embankment	
A	V	A	V
69.3	238.7	125.0	476.1
59.6	206.0	132.1	521.6
51.6	203.1	149.5	556.1

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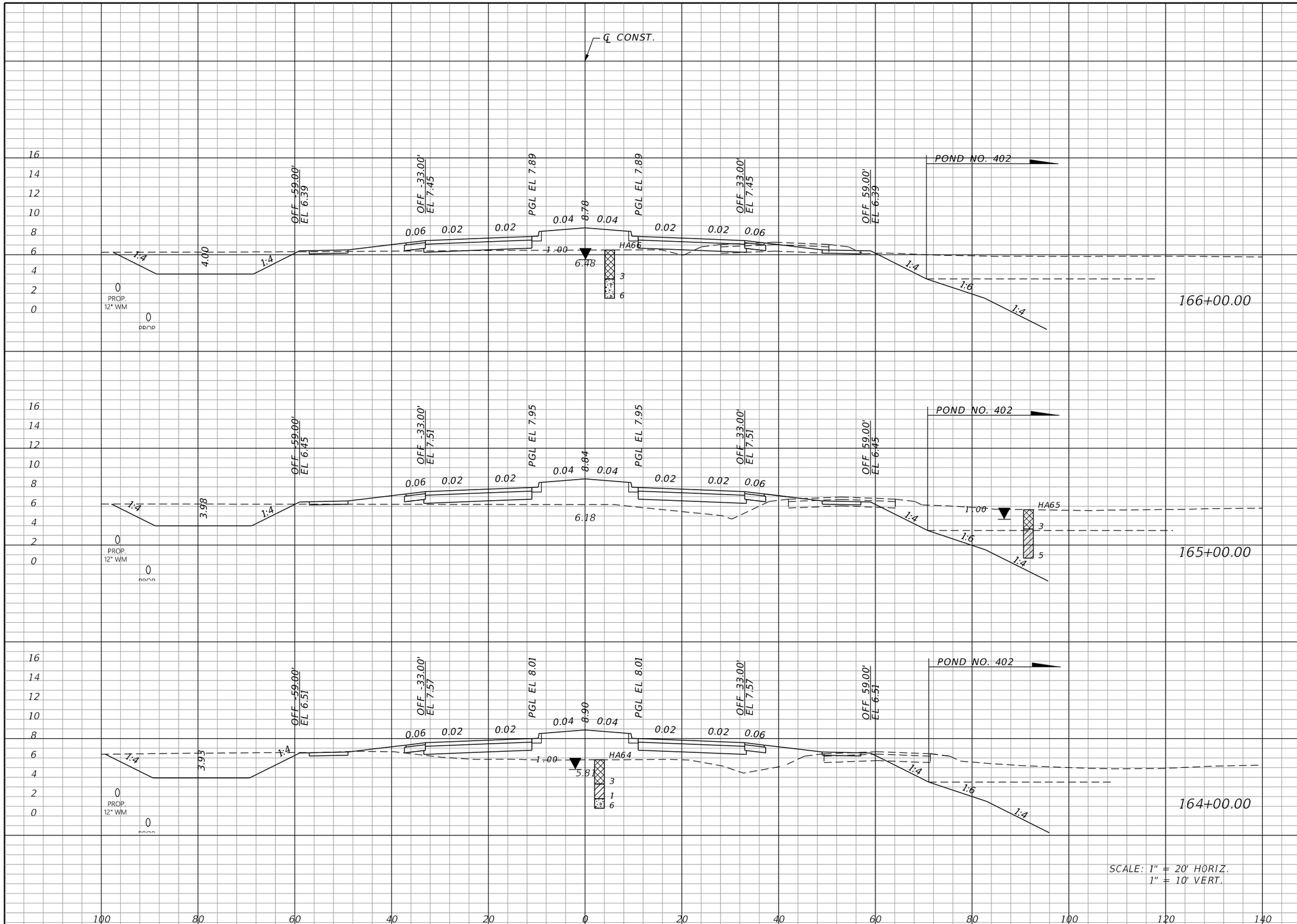
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 103



Regular Exc.		Embankment	
A	V	A	V
75.0	260.3	61.5	330.8
65.6	270.1	117.1	465.0
80.3	277.0	134.0	479.5

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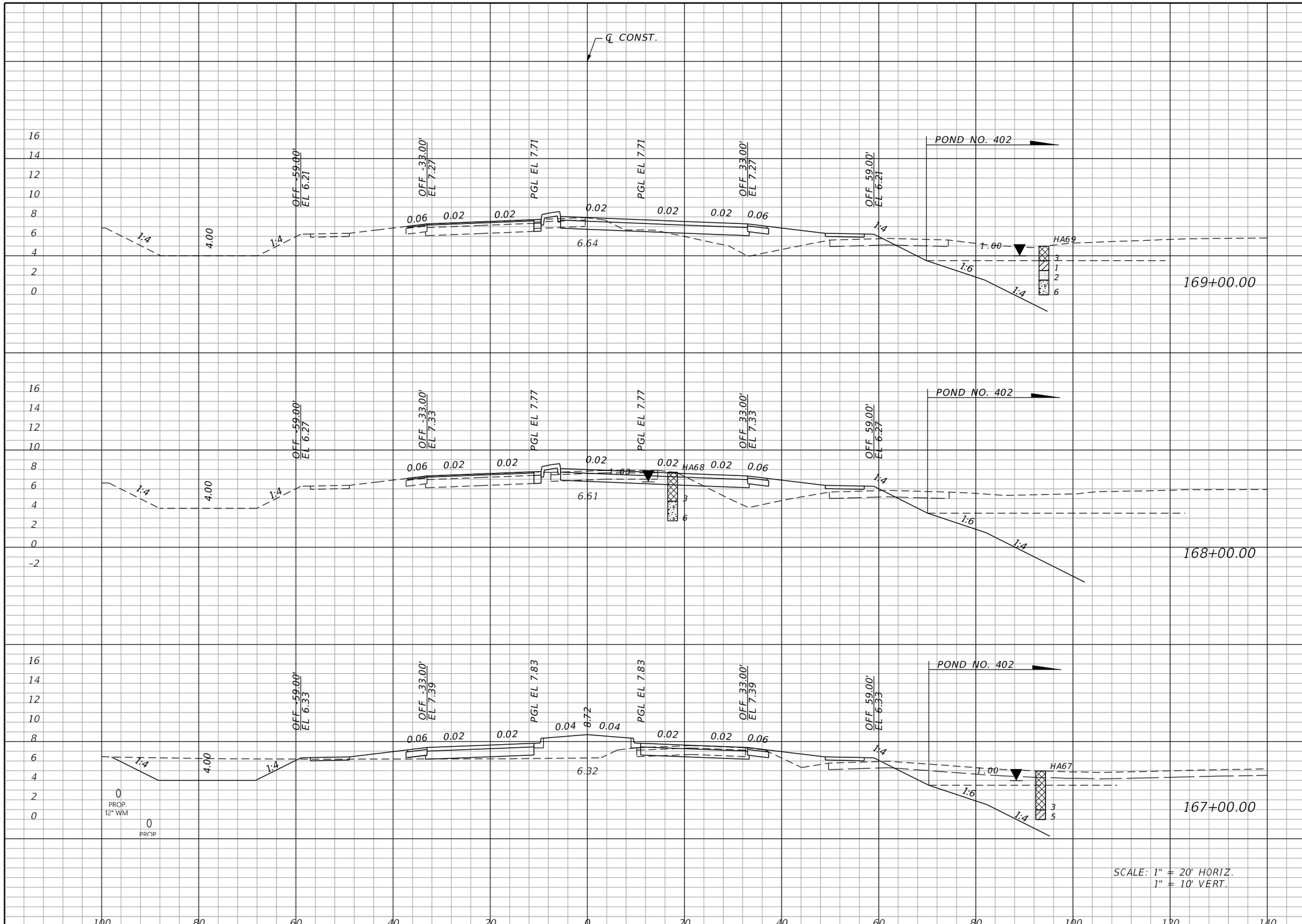
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 104



Regular Exc.		Embankment	
A	V	A	V
9.1	46.9	83.3	297.9
16.2	168.7	77.6	264.0
74.9	277.5	65.0	234.3

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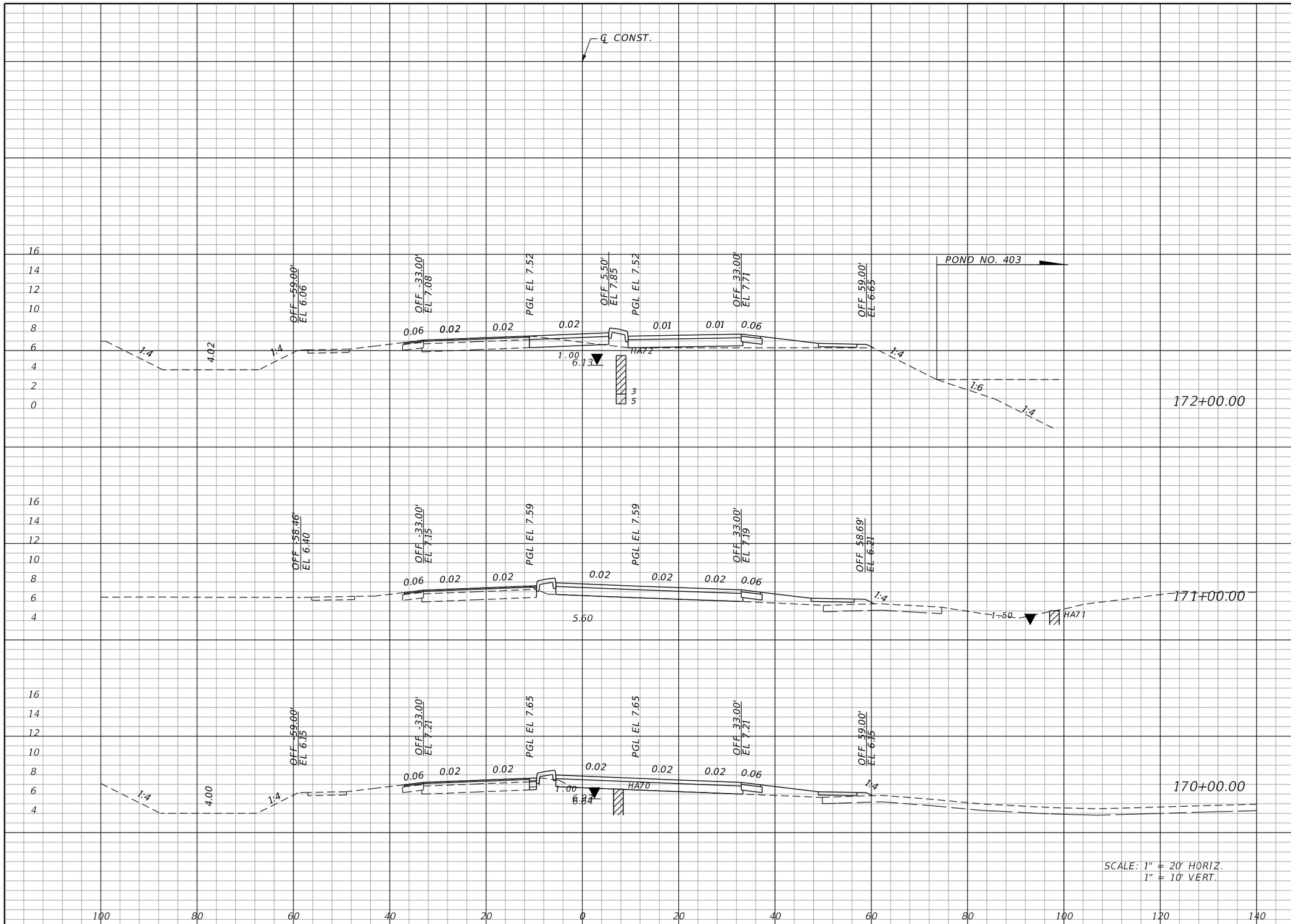
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 105



Regular Exc.		Embankment	
A	V	A	V
9.2	17.1	52.9	195.8
0.1	3.7	52.8	184.2
1.9	20.4	46.7	240.7

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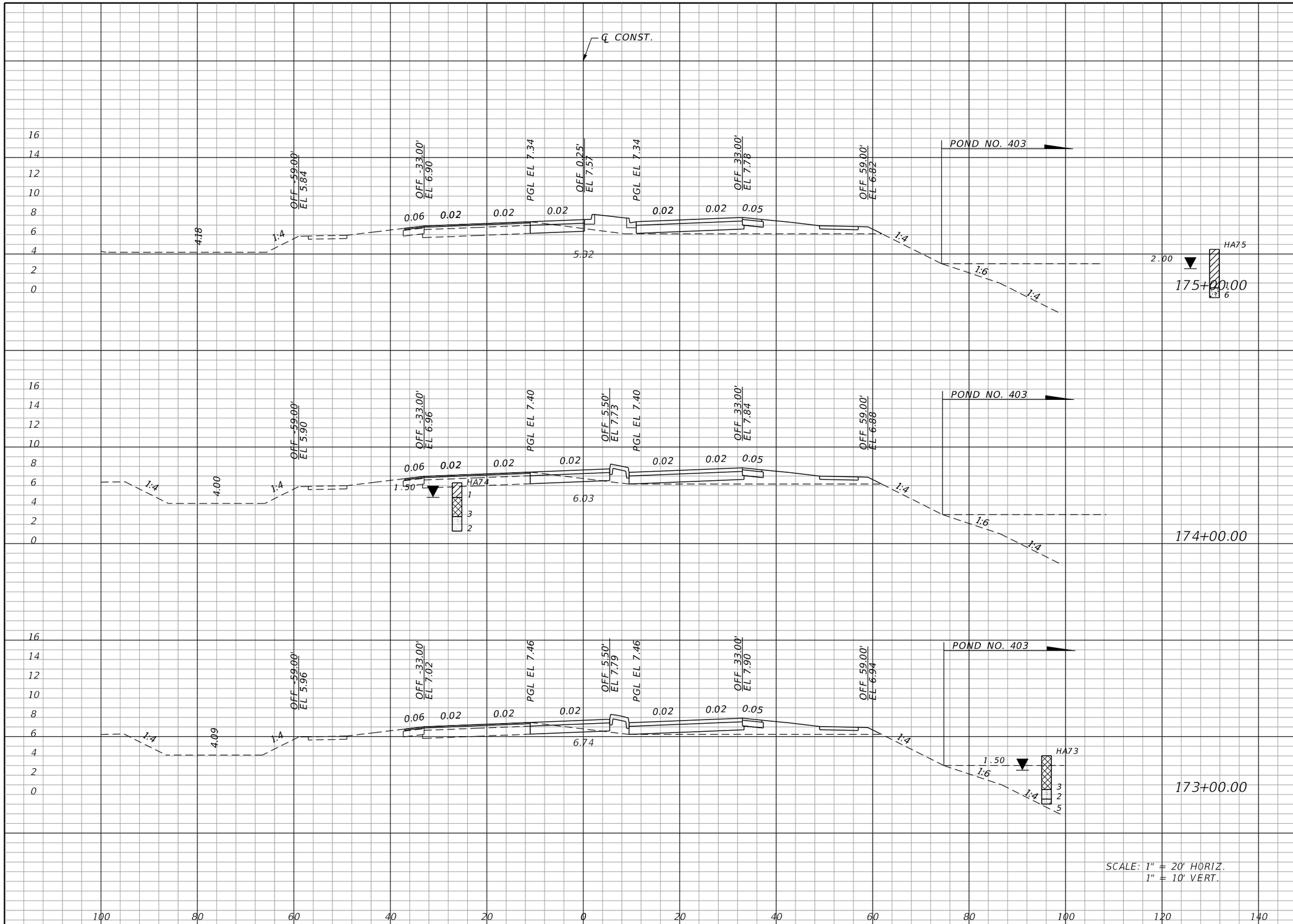
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 106



Regular Exc.		Embankment	
A	V	A	V
8.3	32.2	75.1	261.0
9.1	33.6	65.8	243.8
9.1	33.8	65.8	219.9

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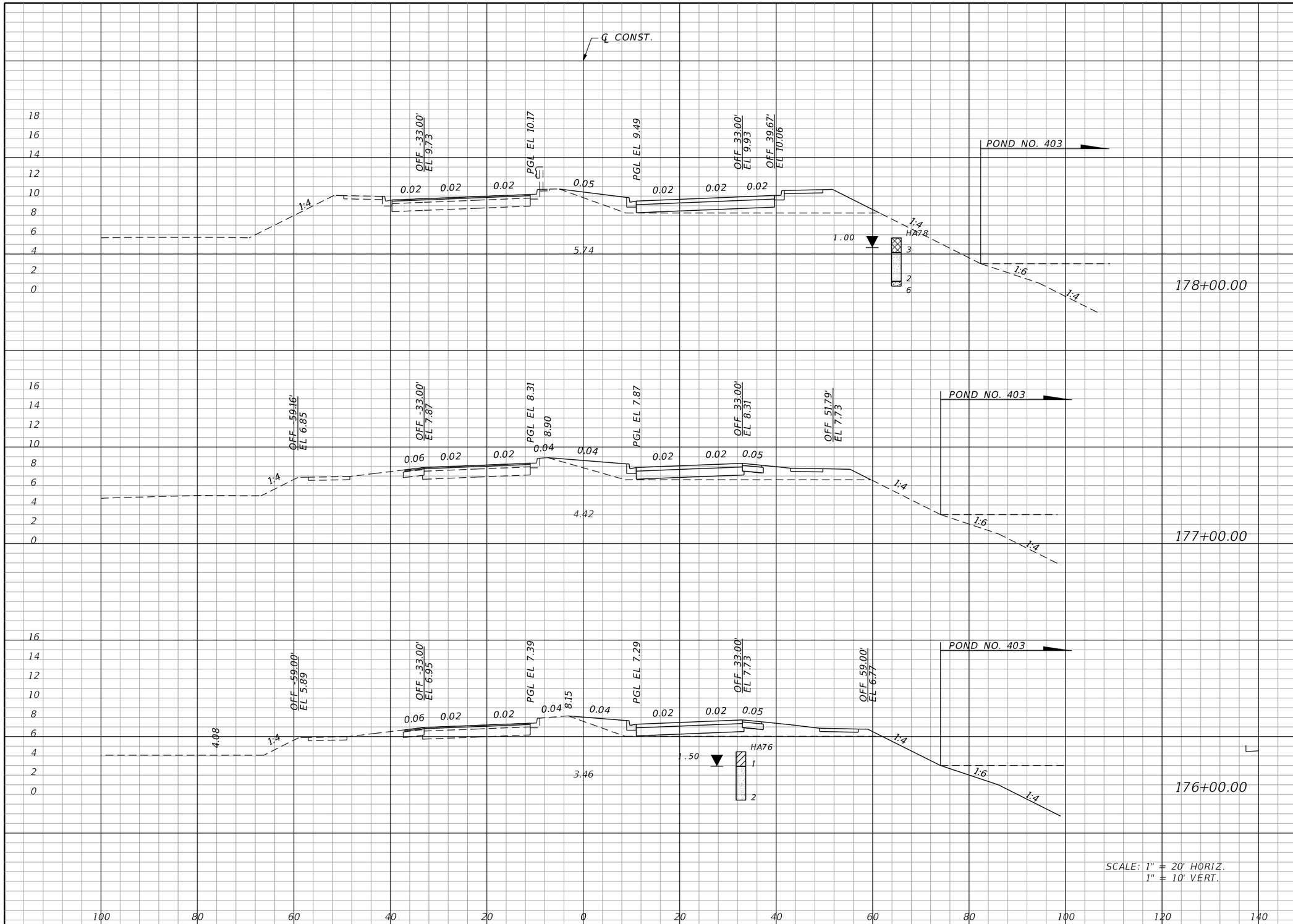
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 107



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	97.8	329.6
0.0	0.0	80.2	286.6
0.0	15.4	74.6	277.3

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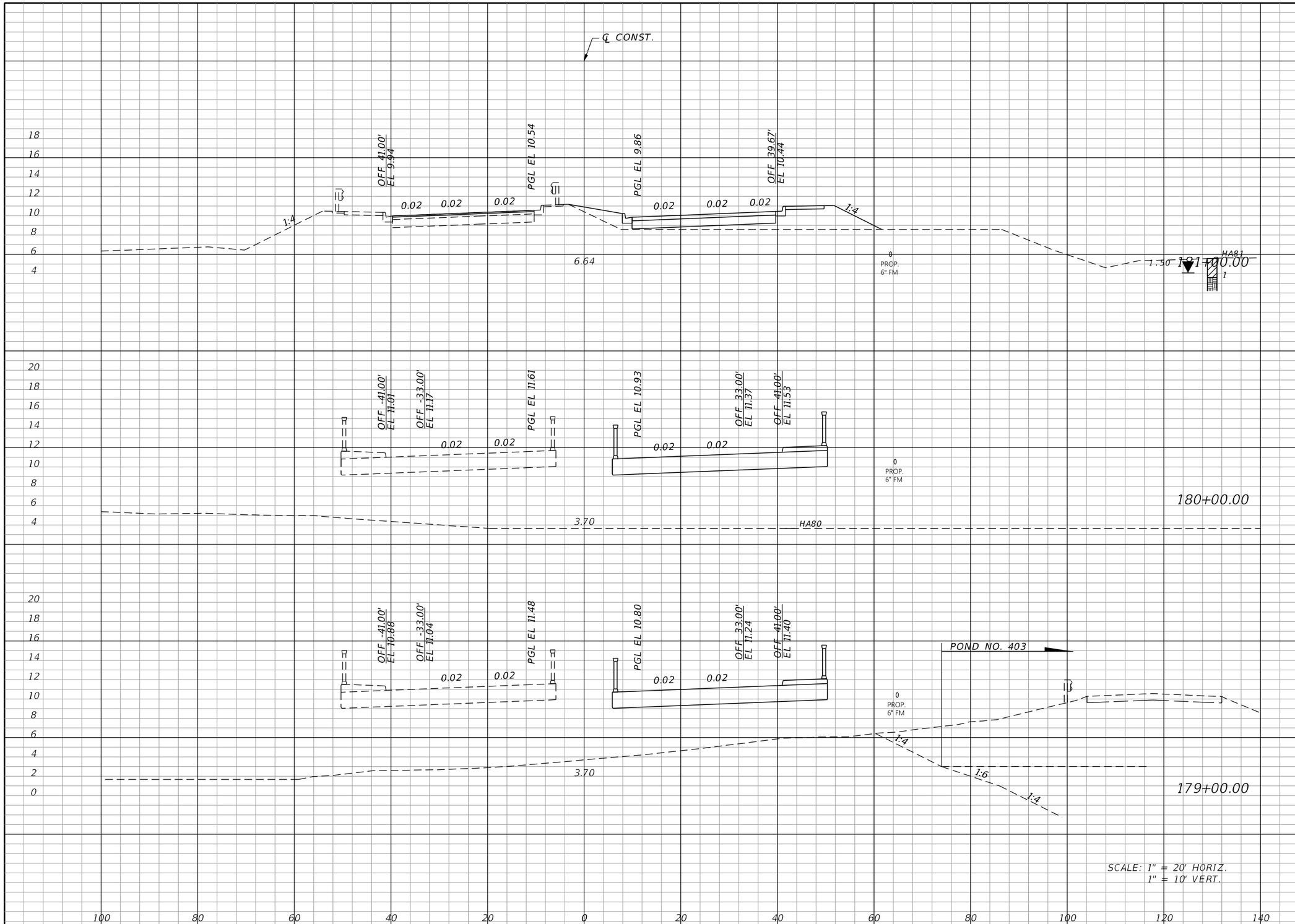
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 108



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	99.5	1096.1

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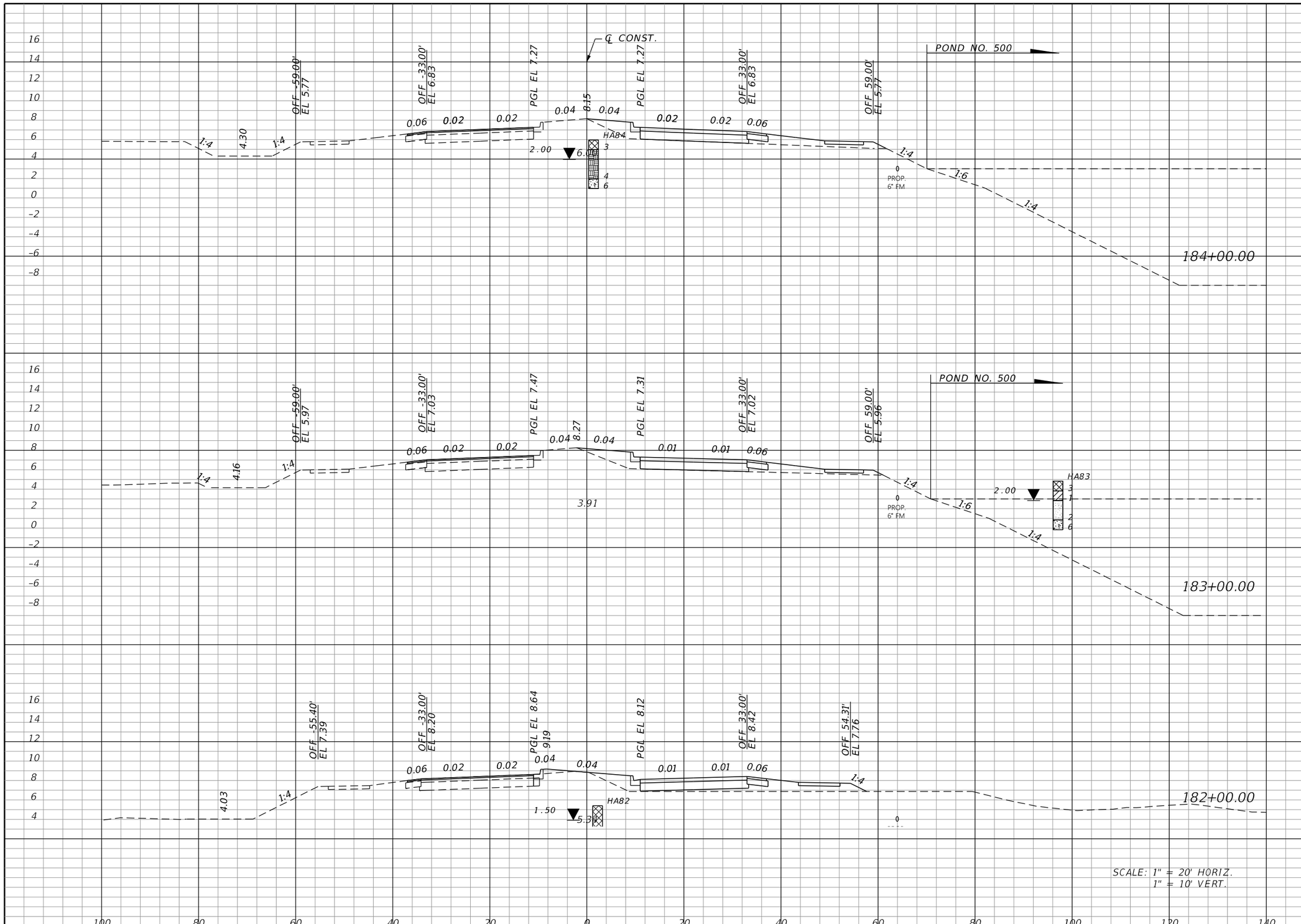
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 109



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	215.5
0.0	0.7	57.8	191.8
0.4	0.7	45.8	269.0

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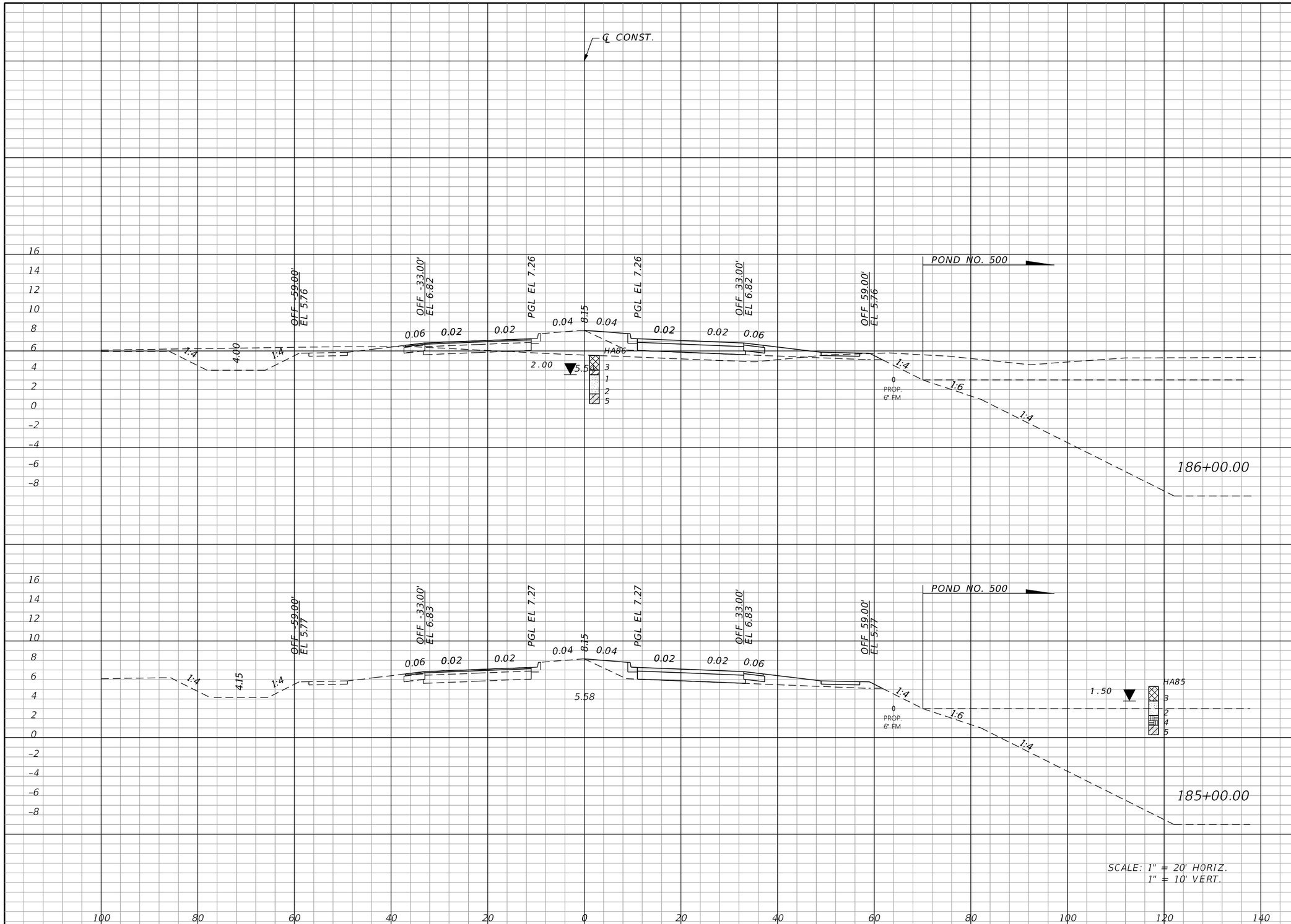
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 110



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	216.9
0.0	0.0	58.5	216.9

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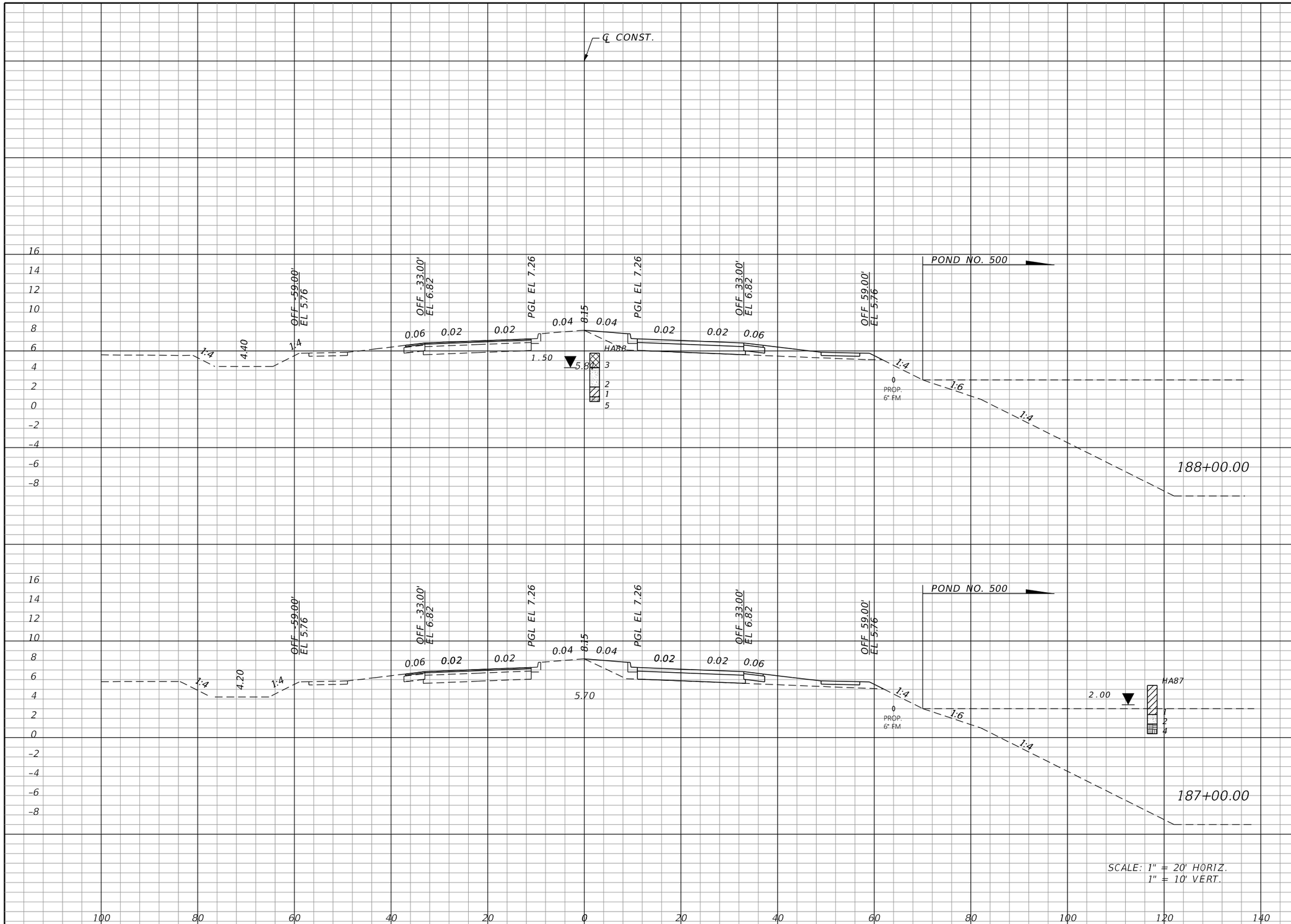
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 111



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	217.2
0.0	0.0	58.7	217.1

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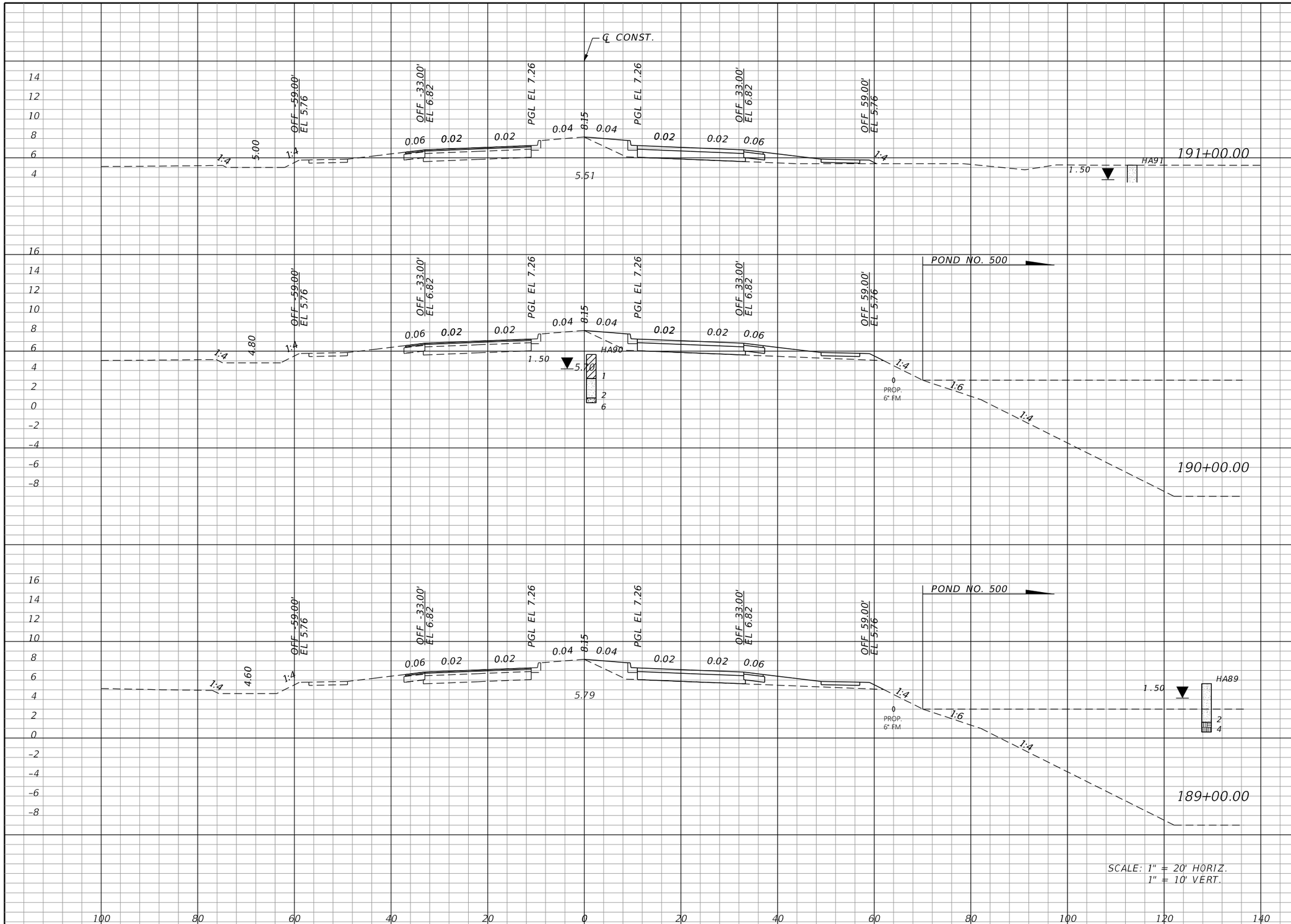
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 112



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	55.6	211.7
0.0	0.0	58.7	217.3
0.0	0.0	58.7	217.2

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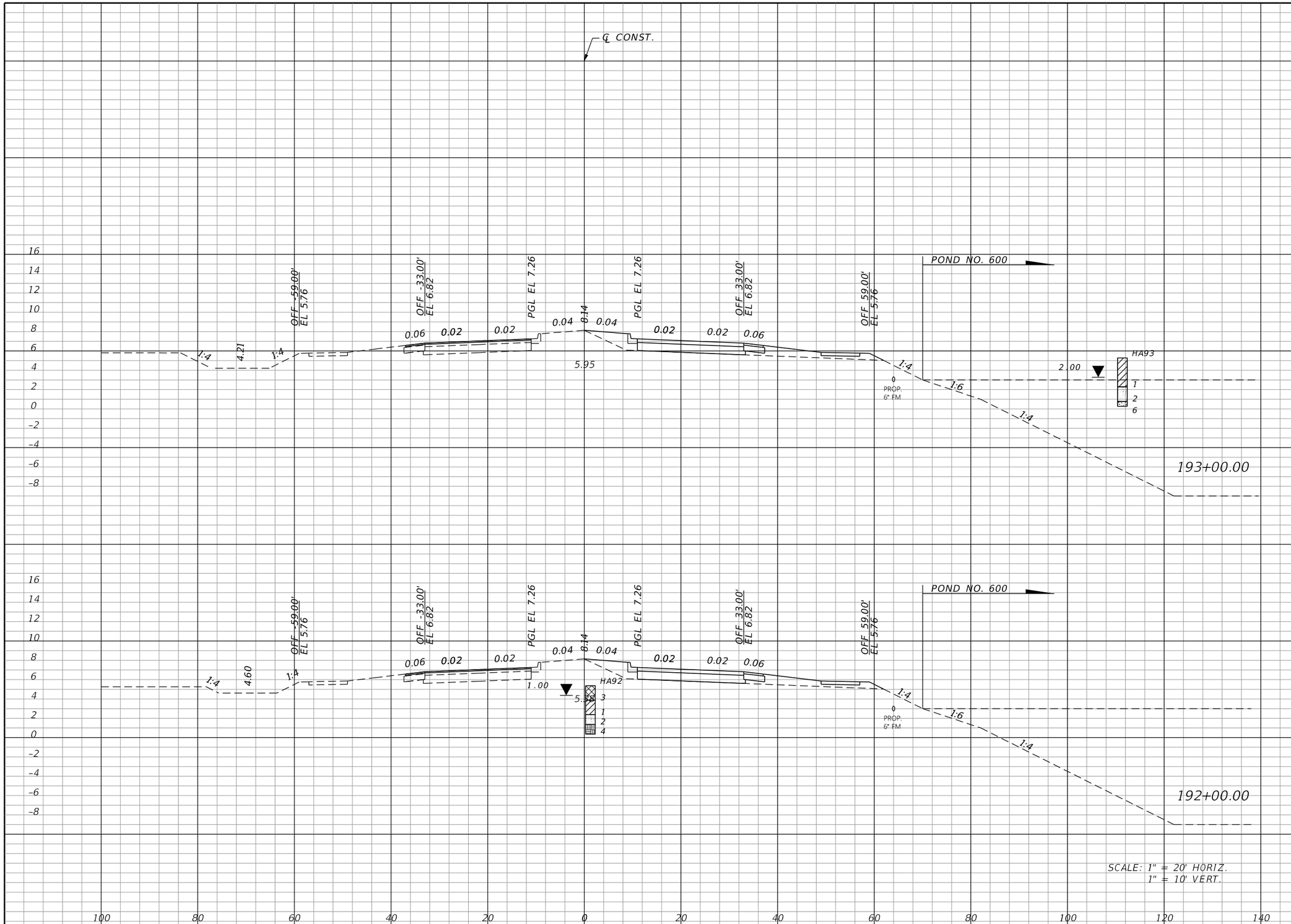
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 113



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.7	217.3
0.0	0.0	58.7	211.7

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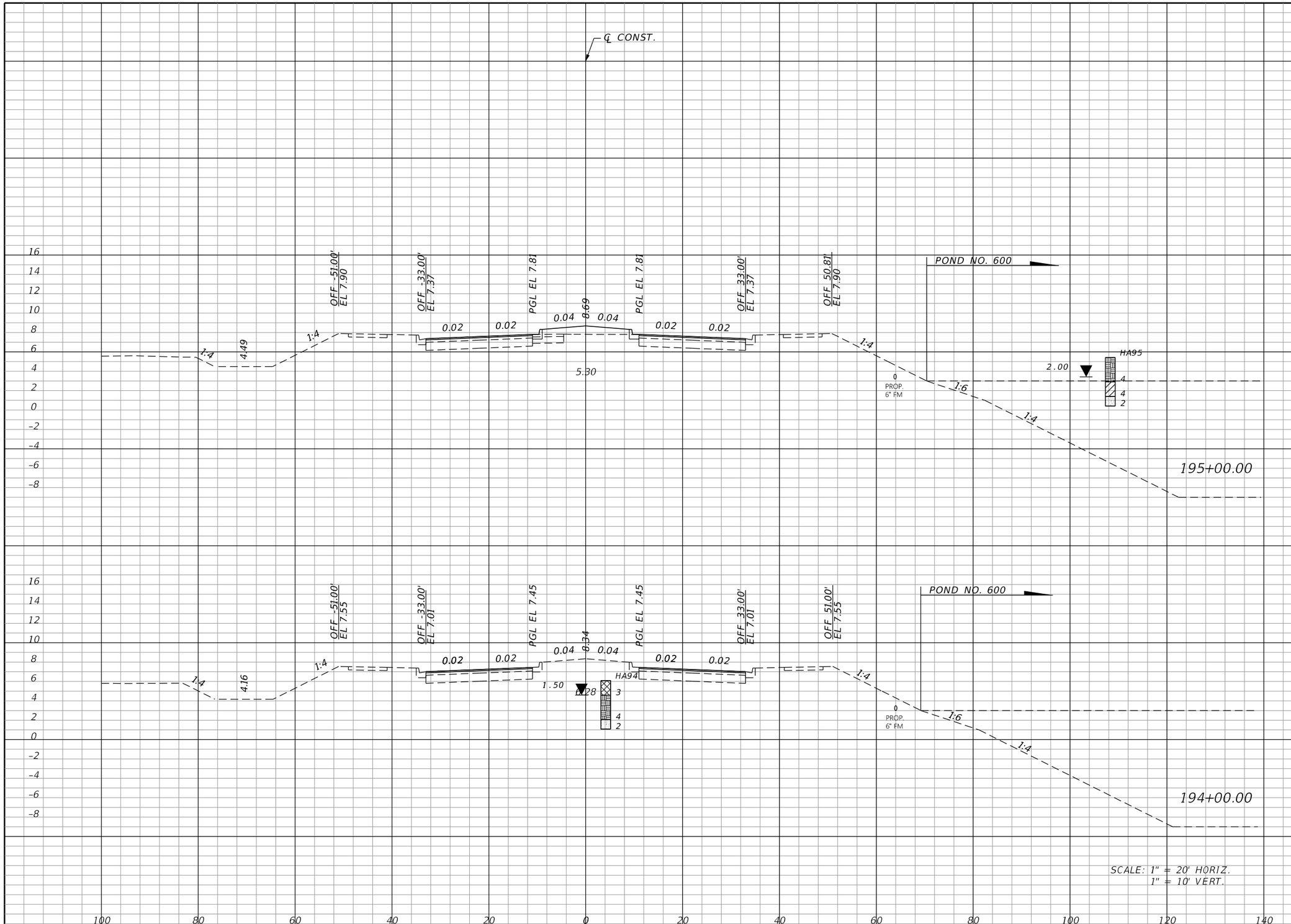
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 114



Regular Exc.		Embankment	
A	V	A	V
0.9		78.7	
	3.5		508.6

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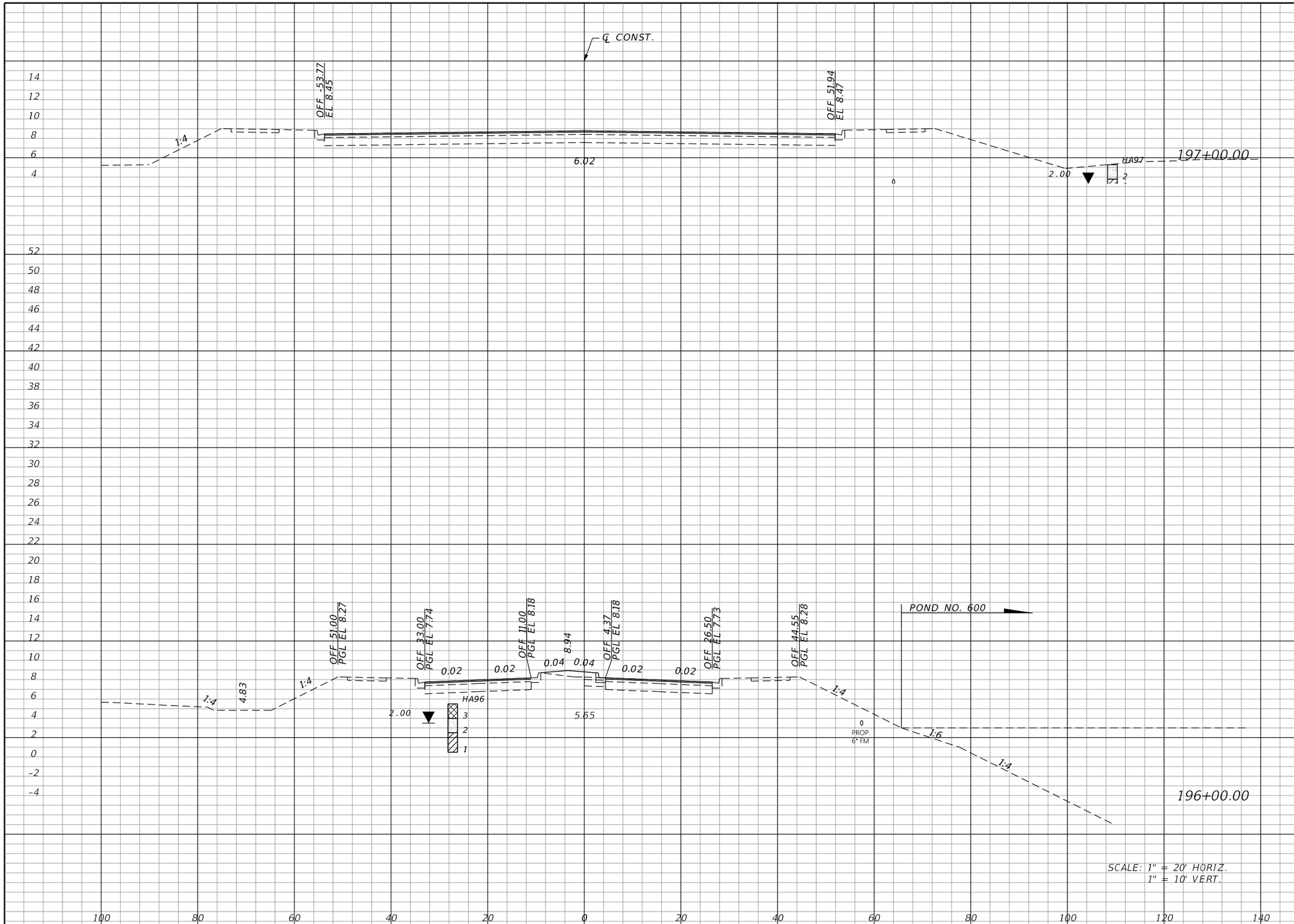
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 115



Regular Exc.		Embankment	
A	V	A	V
0.0	1.8	70.5	276.3

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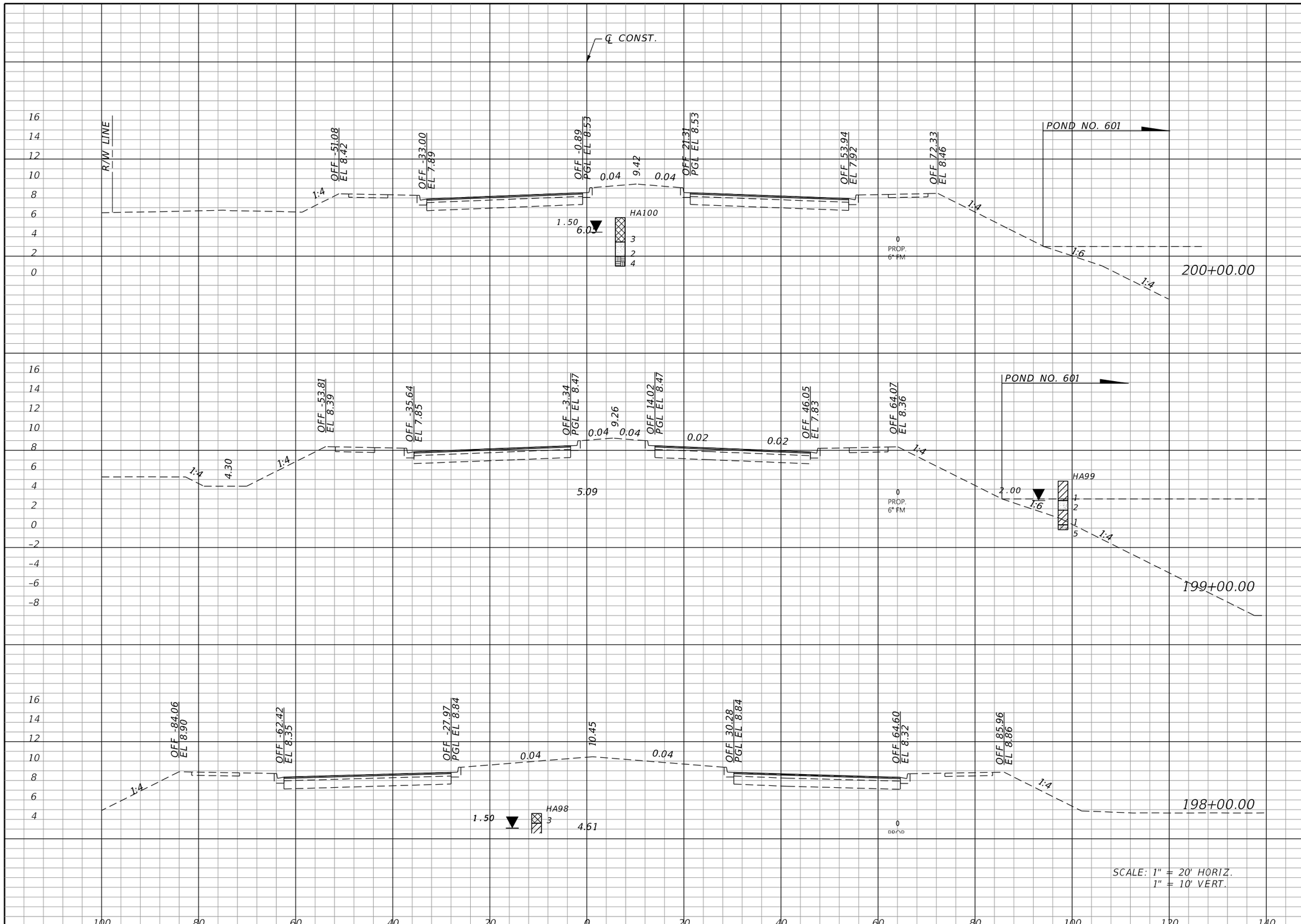
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 116



Regular Exc.		Embankment	
A	V	A	V

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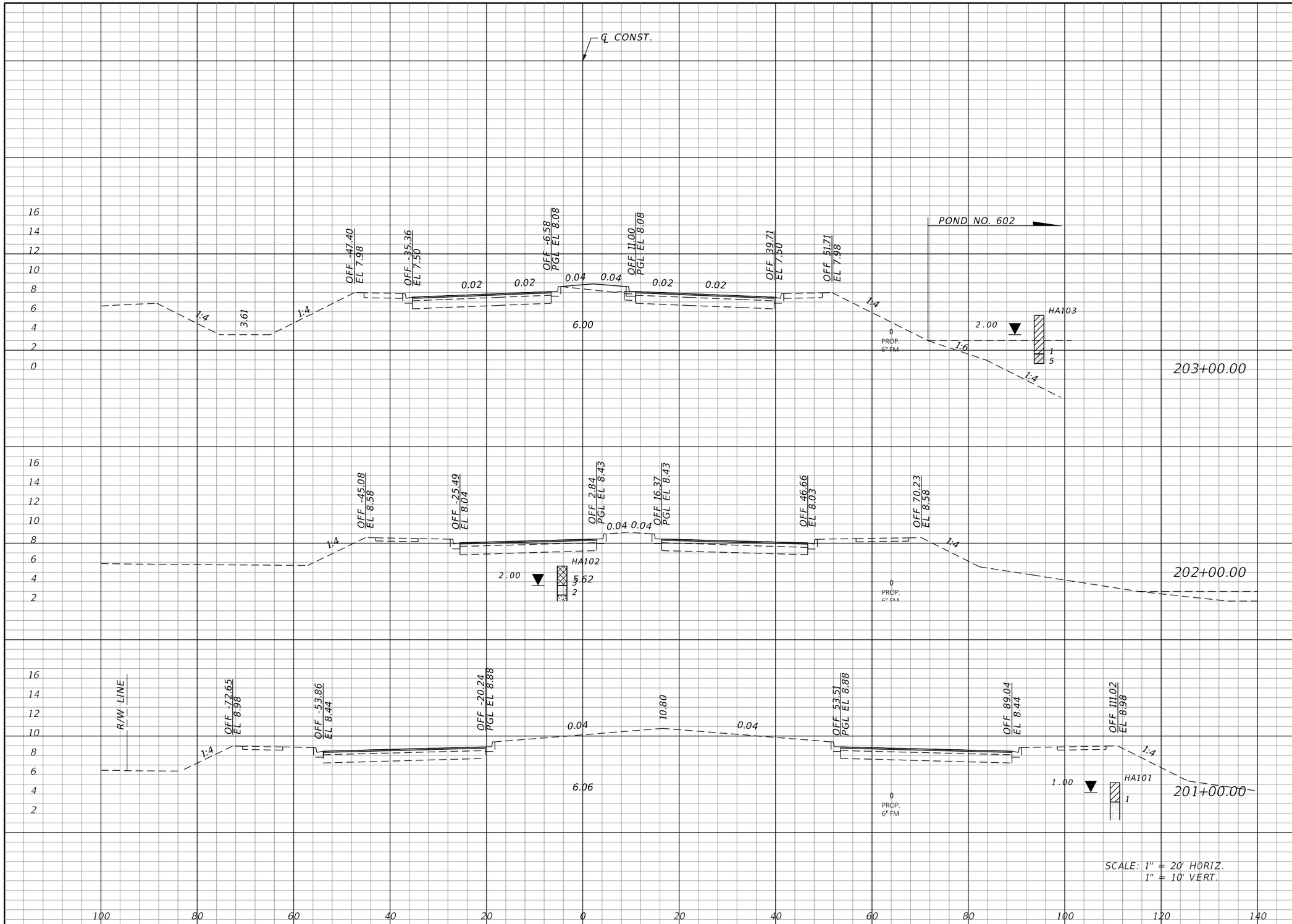
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 117



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	89.2	2070.4

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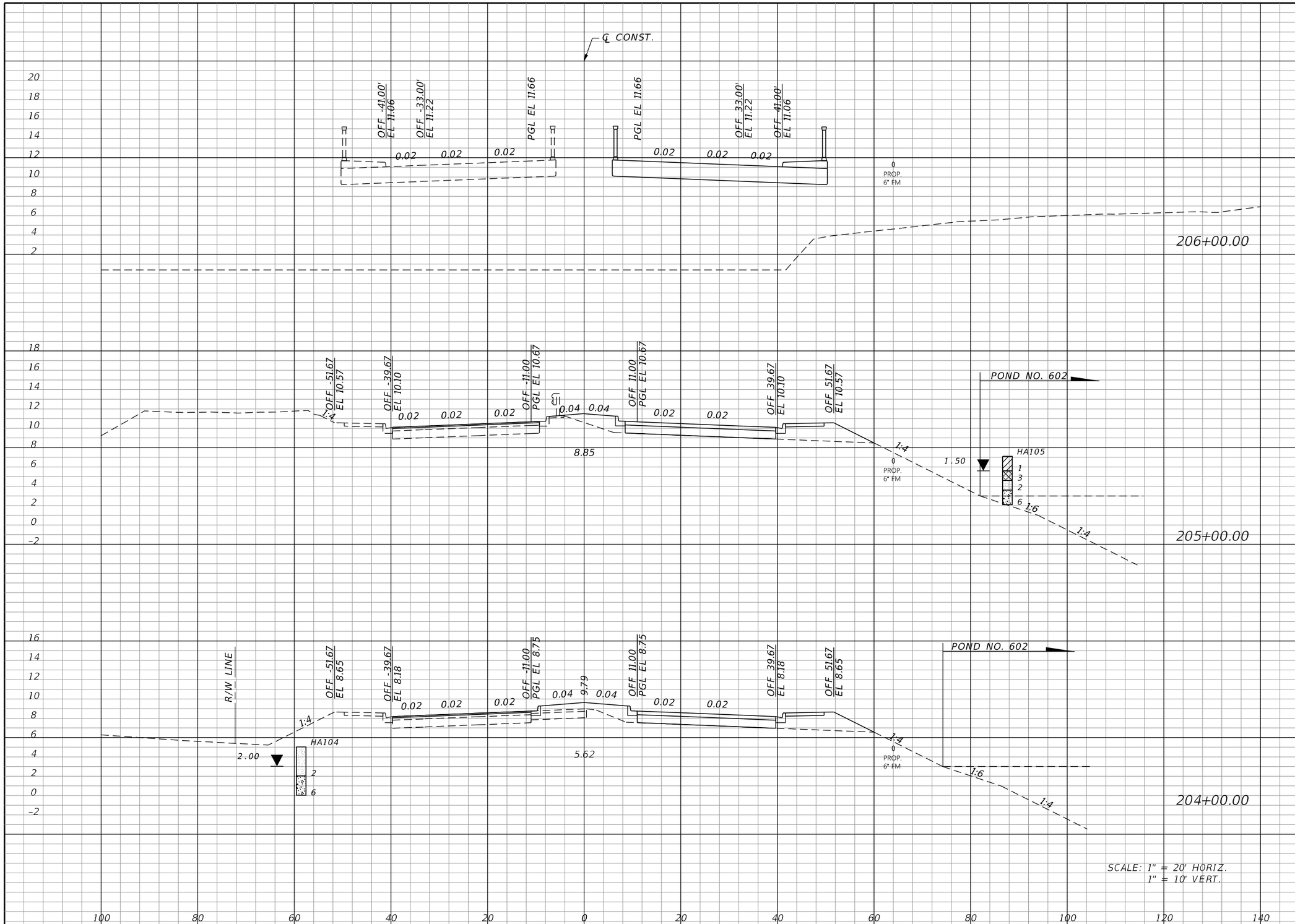
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 118



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	79.1	310.8
0.0	0.0	88.7	329.4

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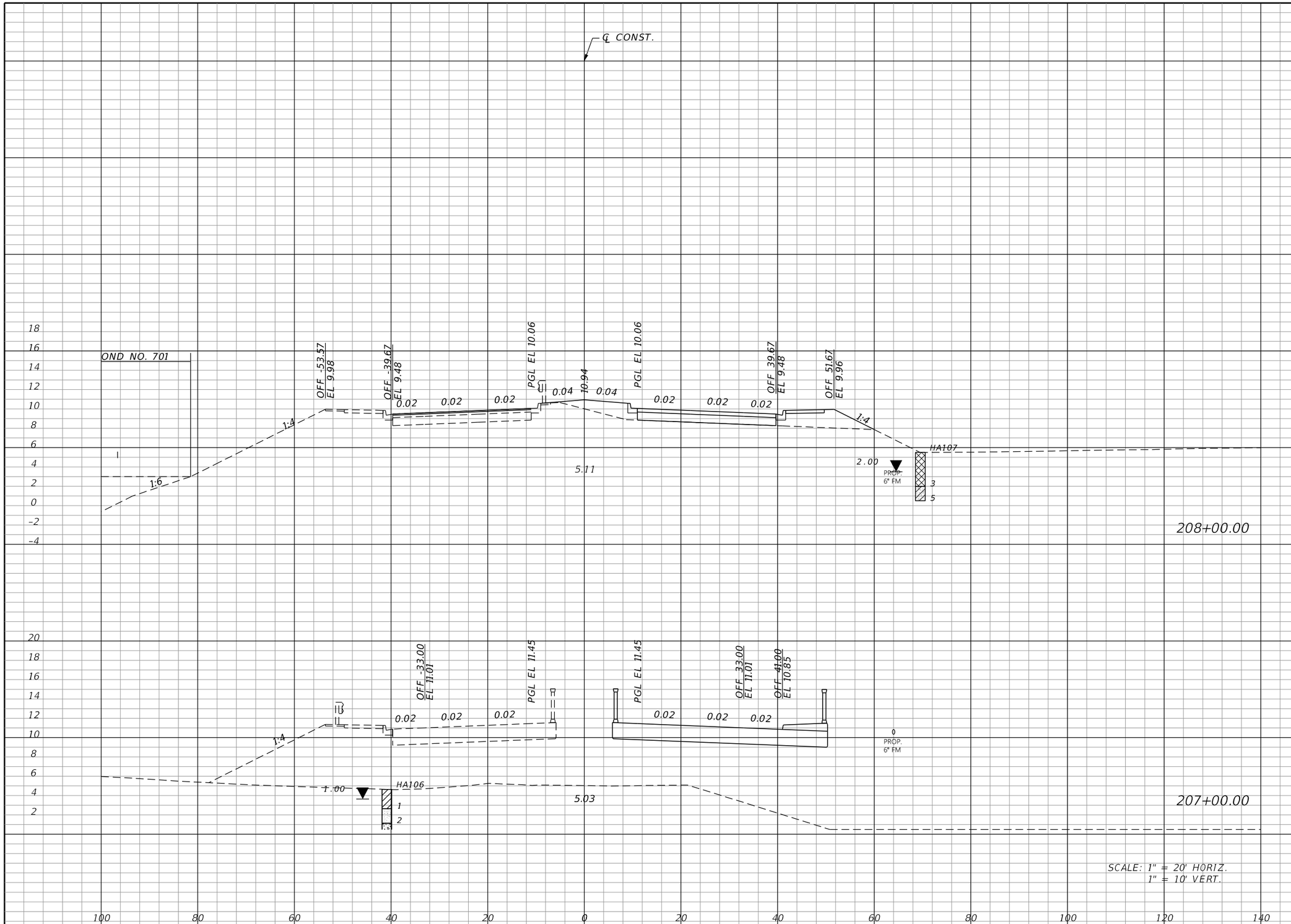
CROSS SECTIONS

SHEET NO. 119



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	81.3	891.2

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

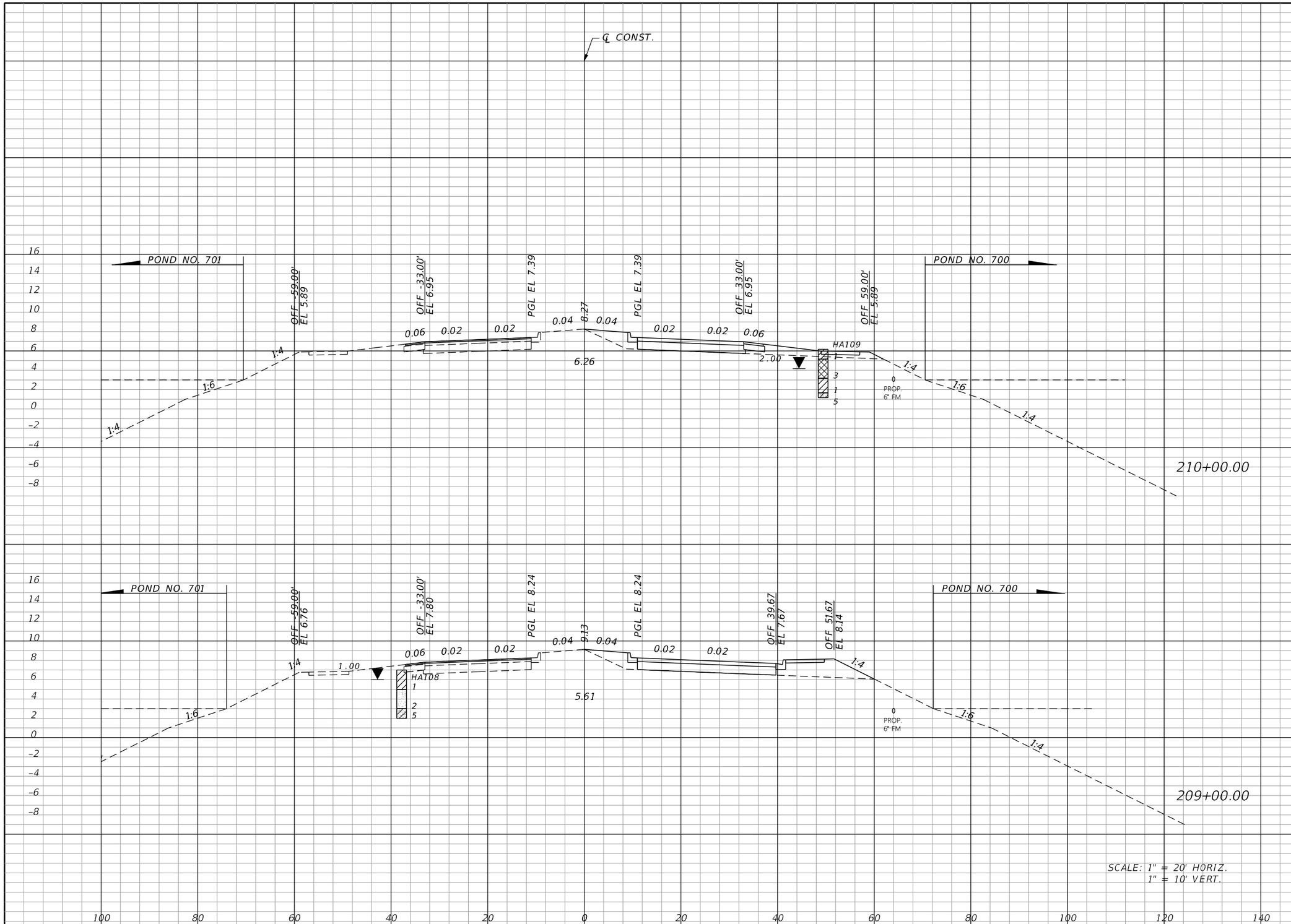
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 120



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	234.1
0.0	0.0	67.8	276.1

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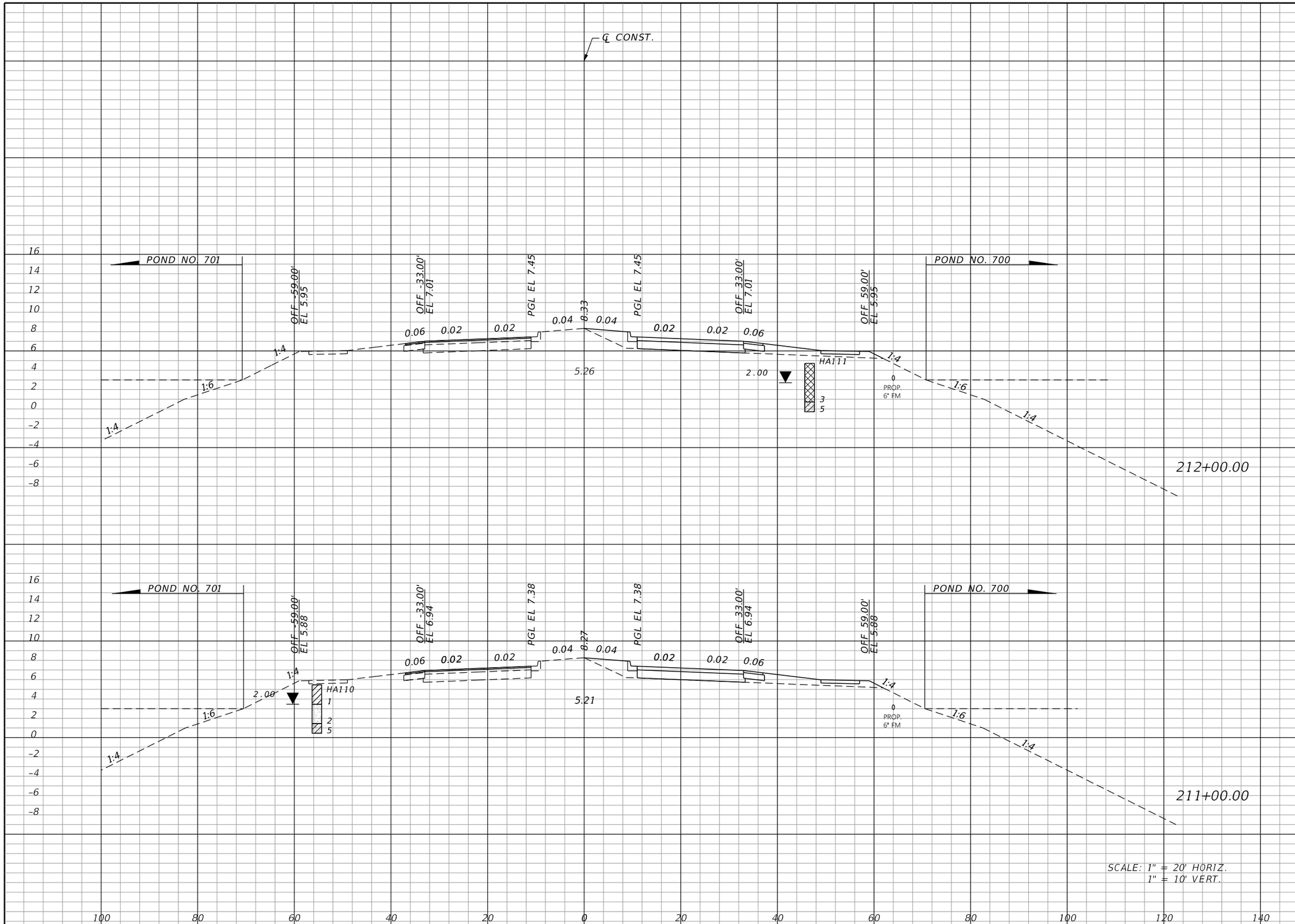
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 121



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	217.0
0.0	0.0	58.6	217.0

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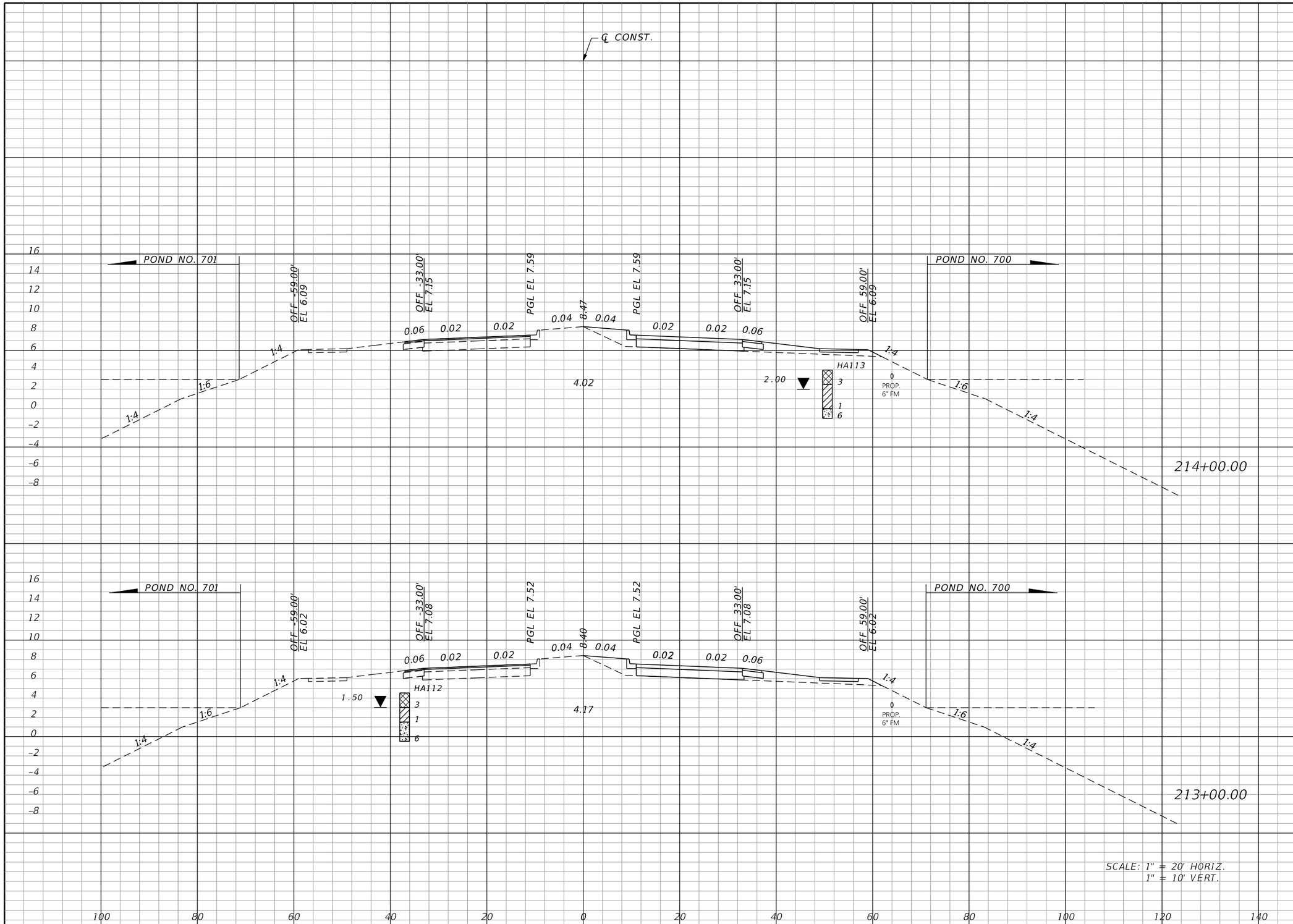
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 122



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	217.0
0.0	0.0	58.6	217.0

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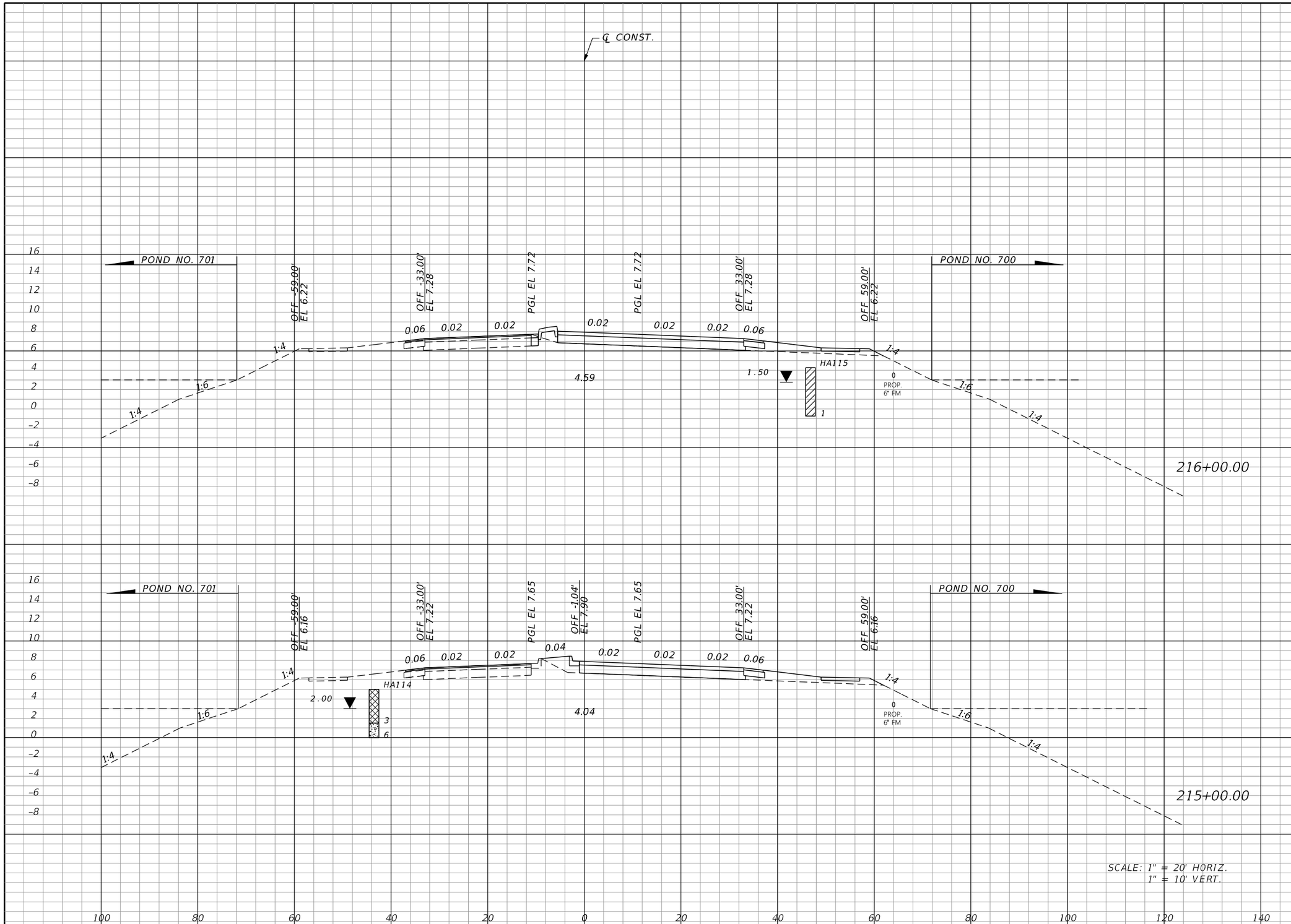
CROSS SECTIONS

SHEET NO. 123



Regular Exc.		Embankment	
A	V	A	V
1.8	3.2	50.6	197.3
0.0	0.0	55.9	212.0

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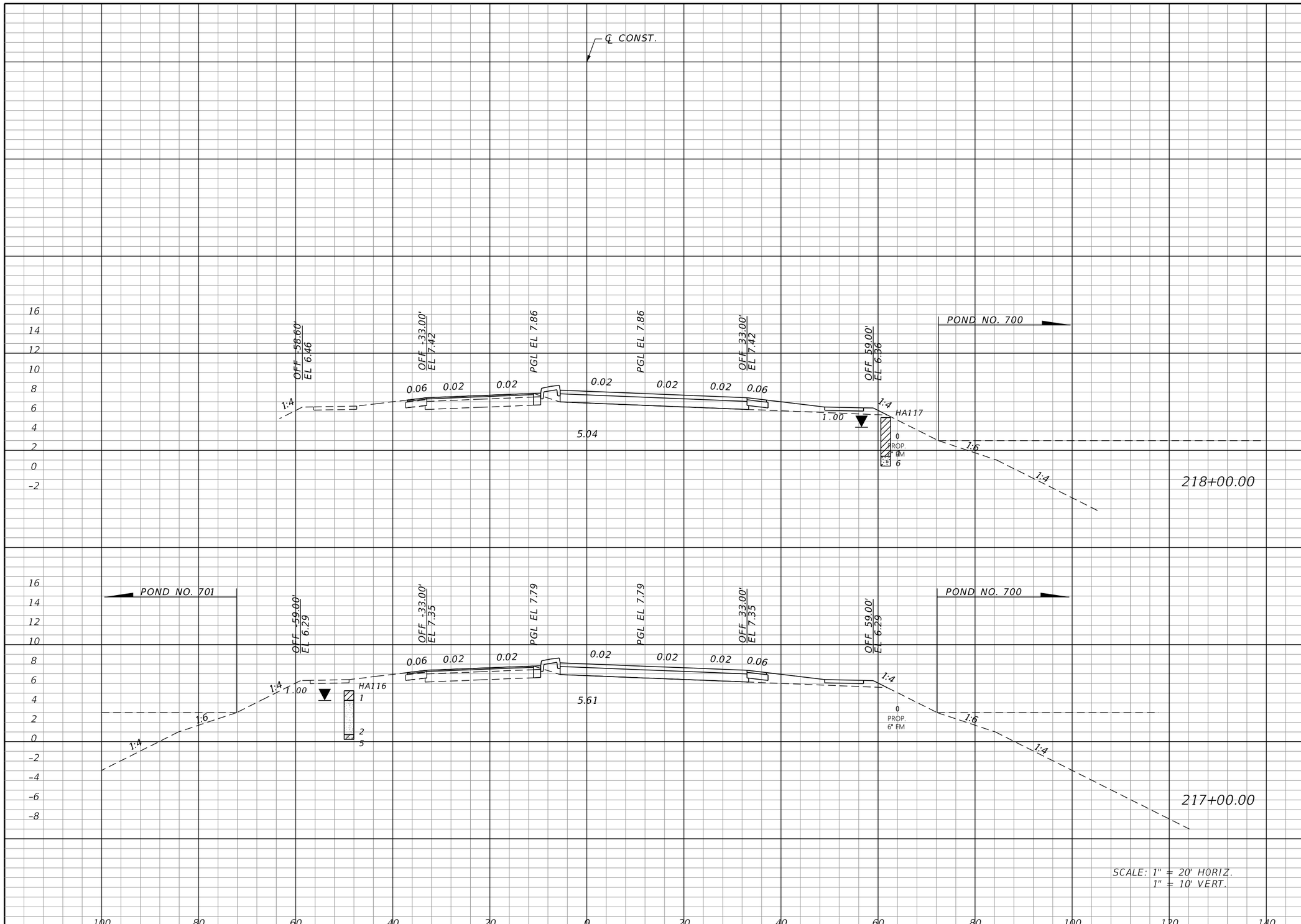
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 124



Regular Exc.		Embankment	
A	V	A	V
0.0	3.2	51.0	188.1
1.8	6.5	50.6	187.6

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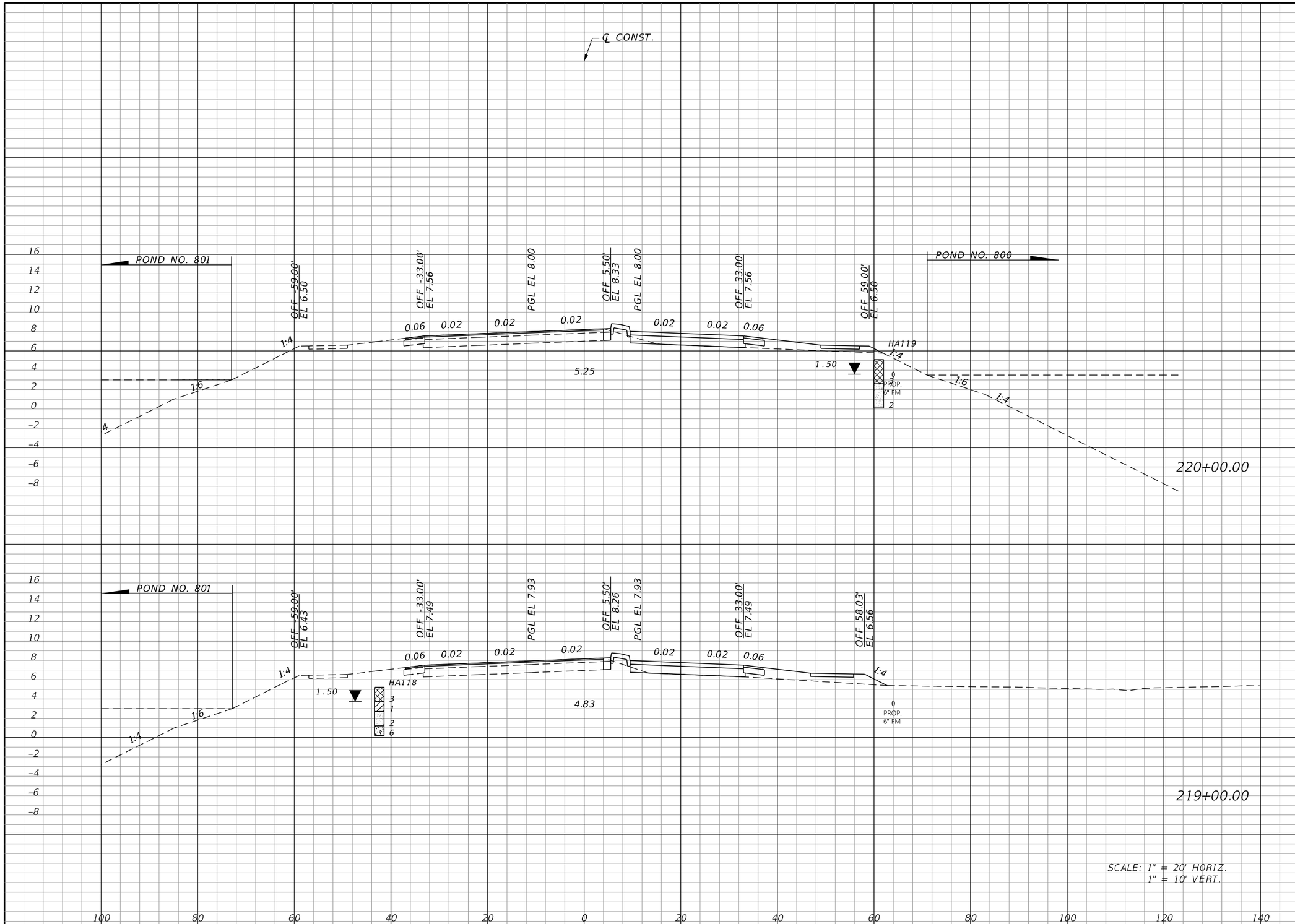
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 125



Regular Exc.		Embankment	
A	V	A	V
3.9	12.4	67.4	258.9
2.8	5.2	72.4	228.5

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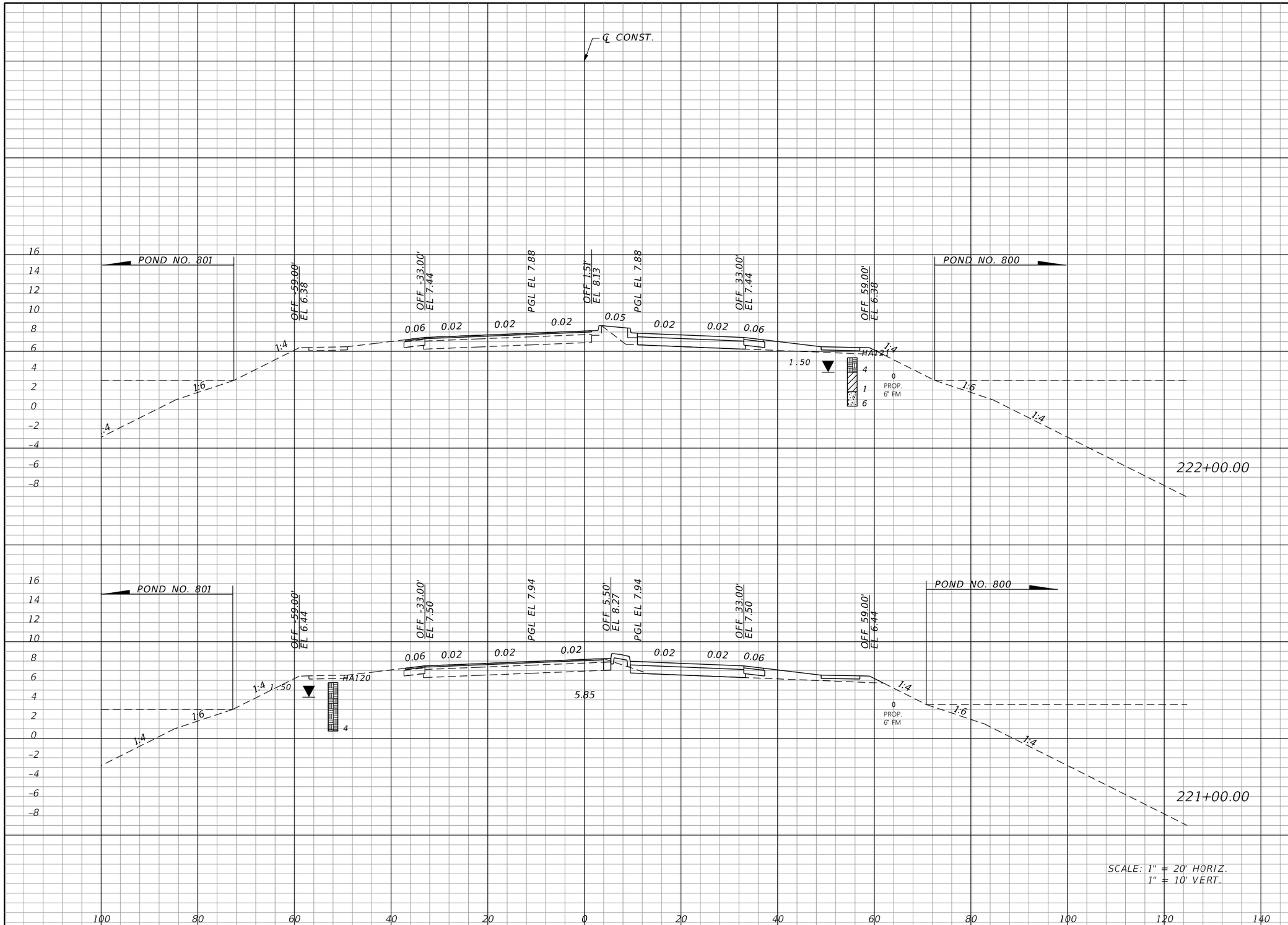
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 126



Regular Exc.		Embankment	
A	V	A	V
0.0	5.2	70.7	256.2
2.8	12.4	67.7	250.1

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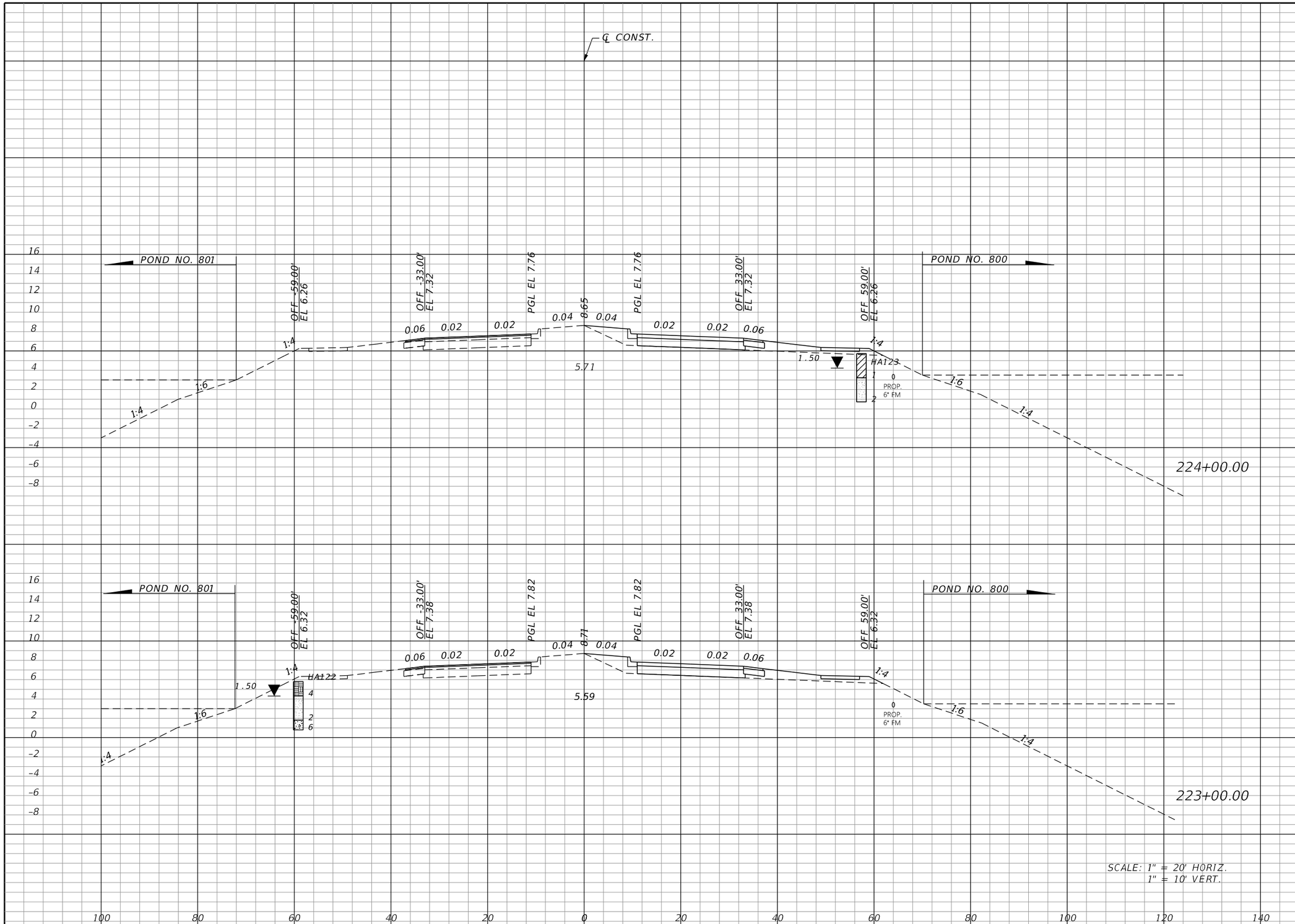
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 127



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	217.0
0.0	0.0	58.6	239.4

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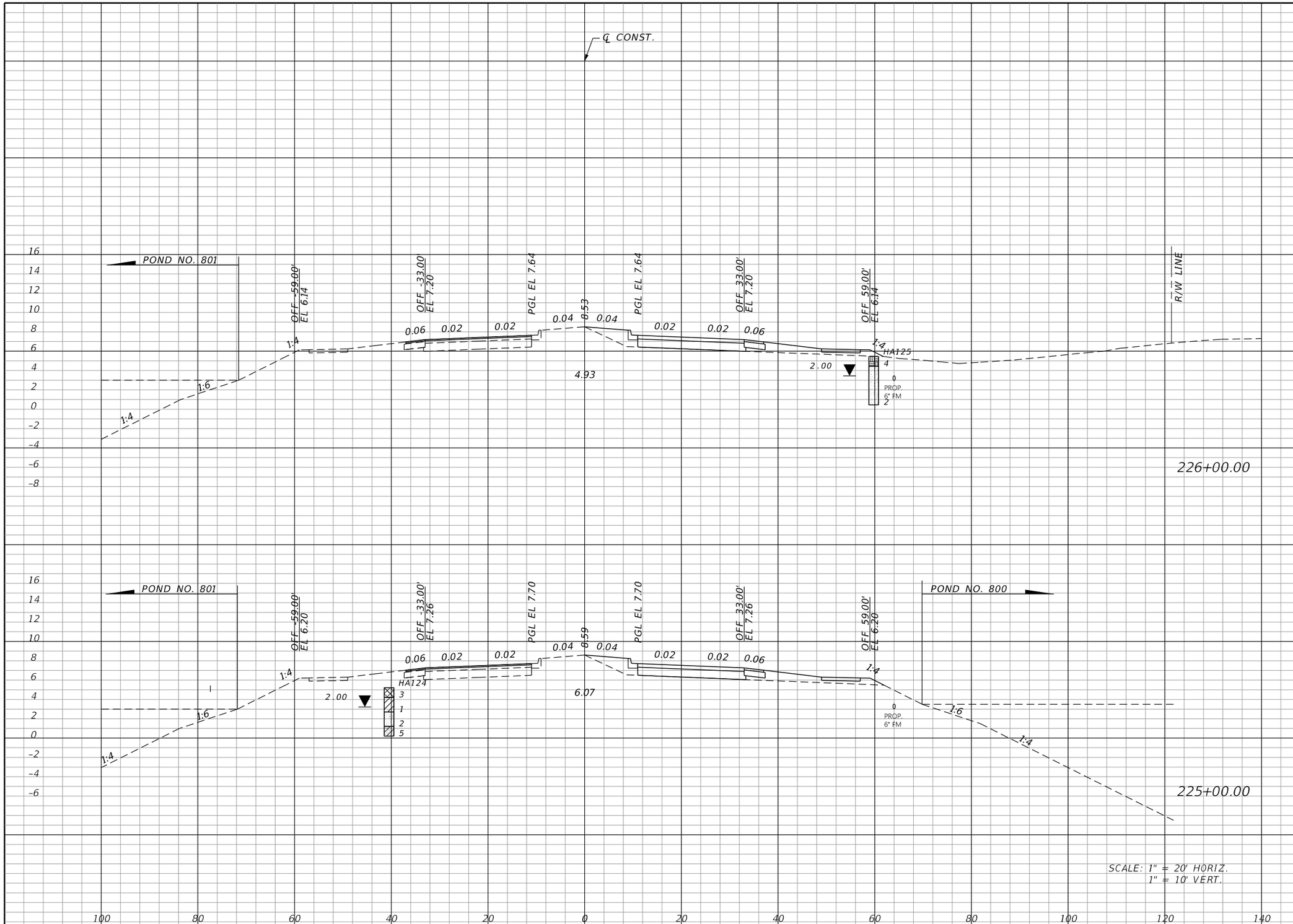
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 128



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	58.6	217.0

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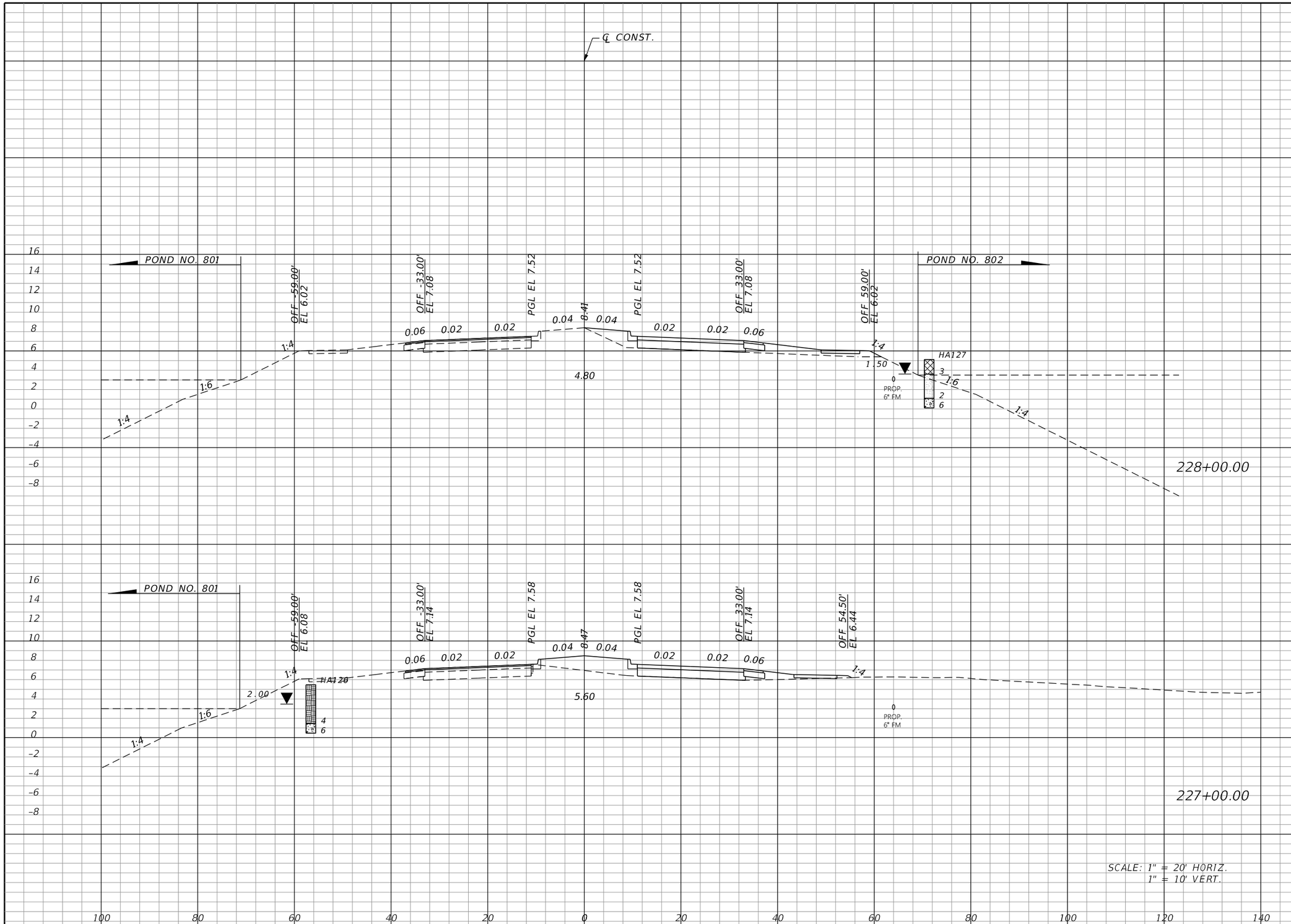
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 129



Regular Exc.		Embankment	
A	V	A	V
0.0	1.5	58.3	335.8
0.8	2.9	123.0	672.5

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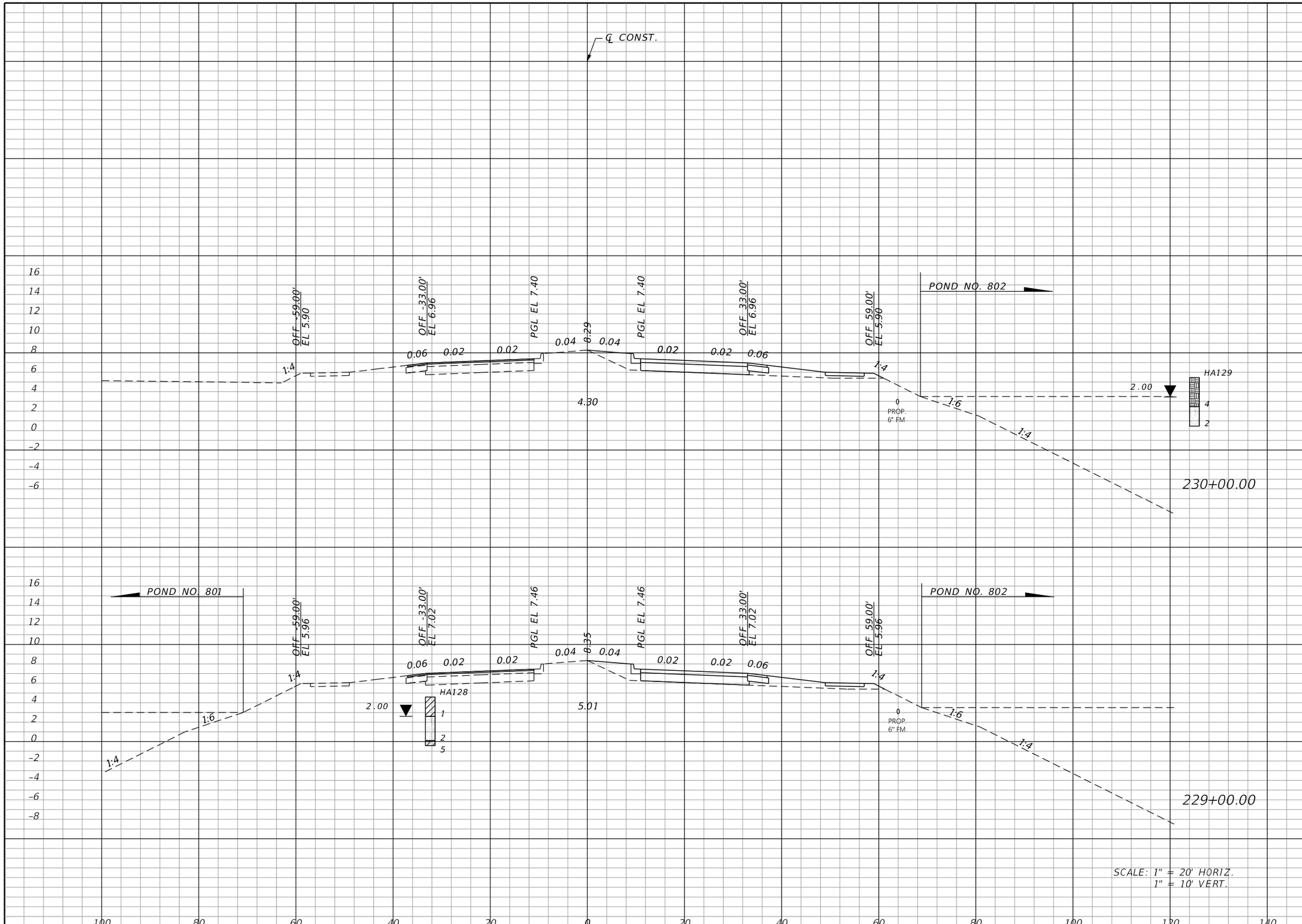
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 130



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	57.4	213.7
0.0	0.0	58.0	215.4

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CHARLOTTE COUNTY
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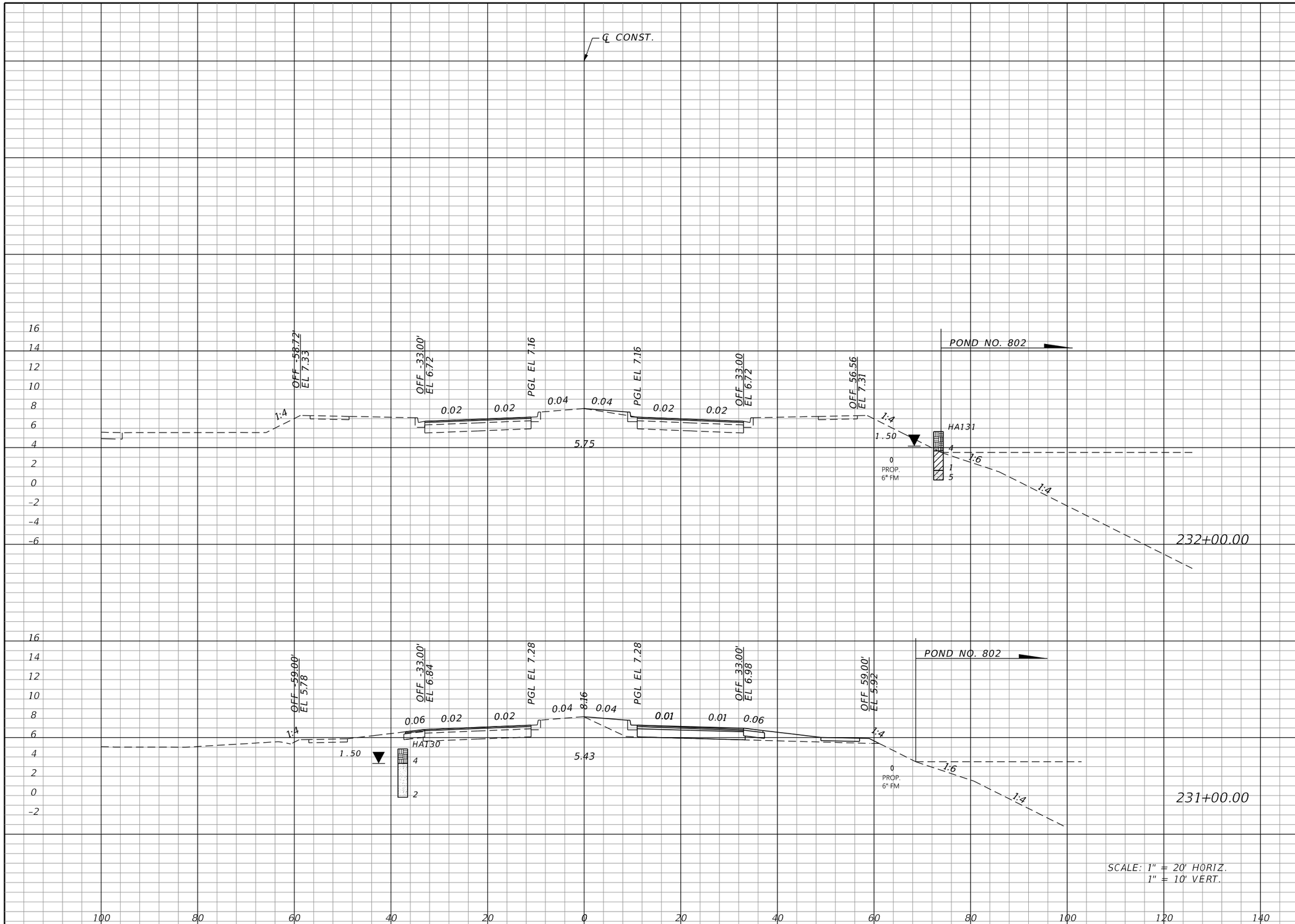
ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 131



Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	56.3	210.5

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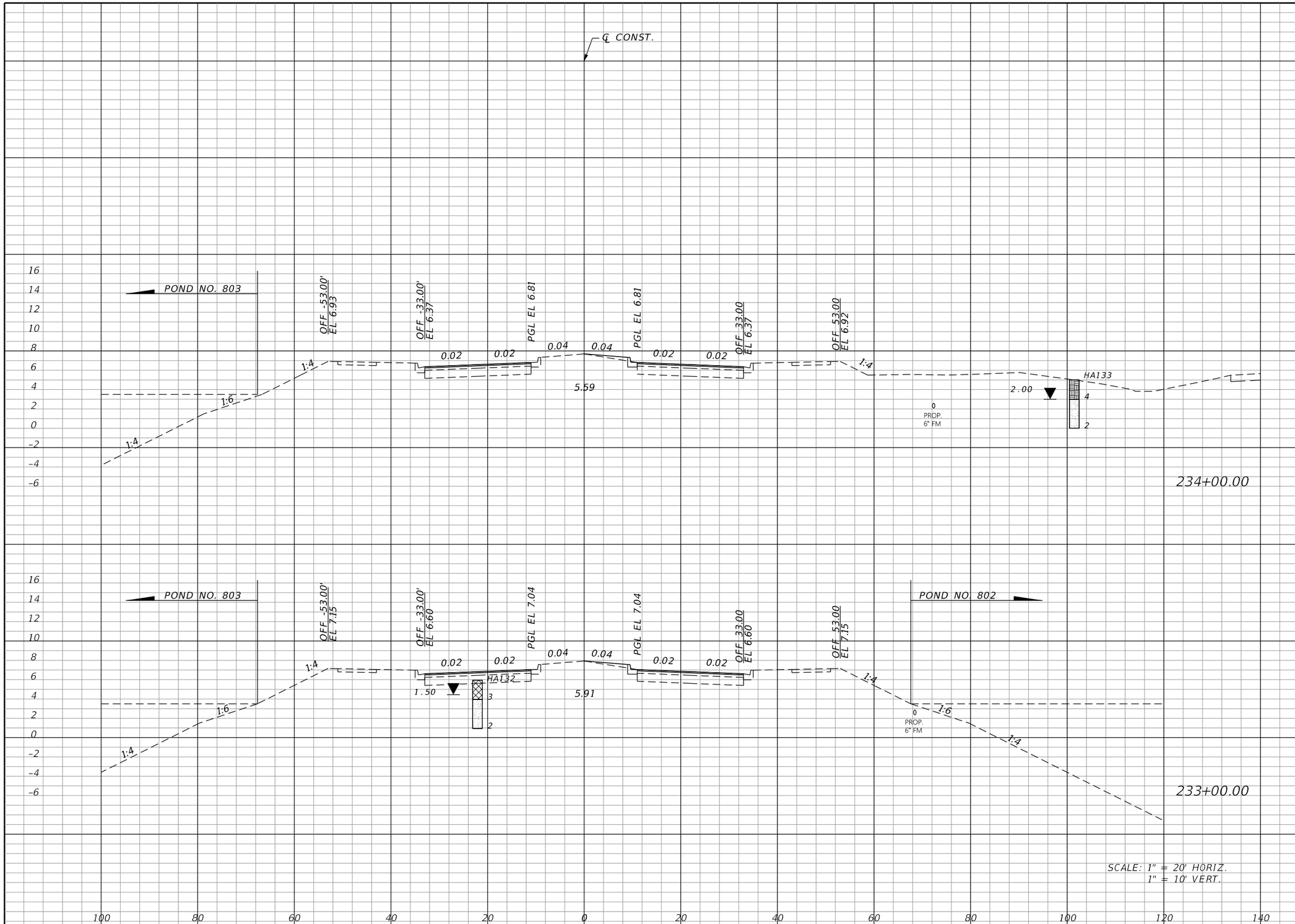
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 132



Regular Exc.		Embankment	
A	V	A	V

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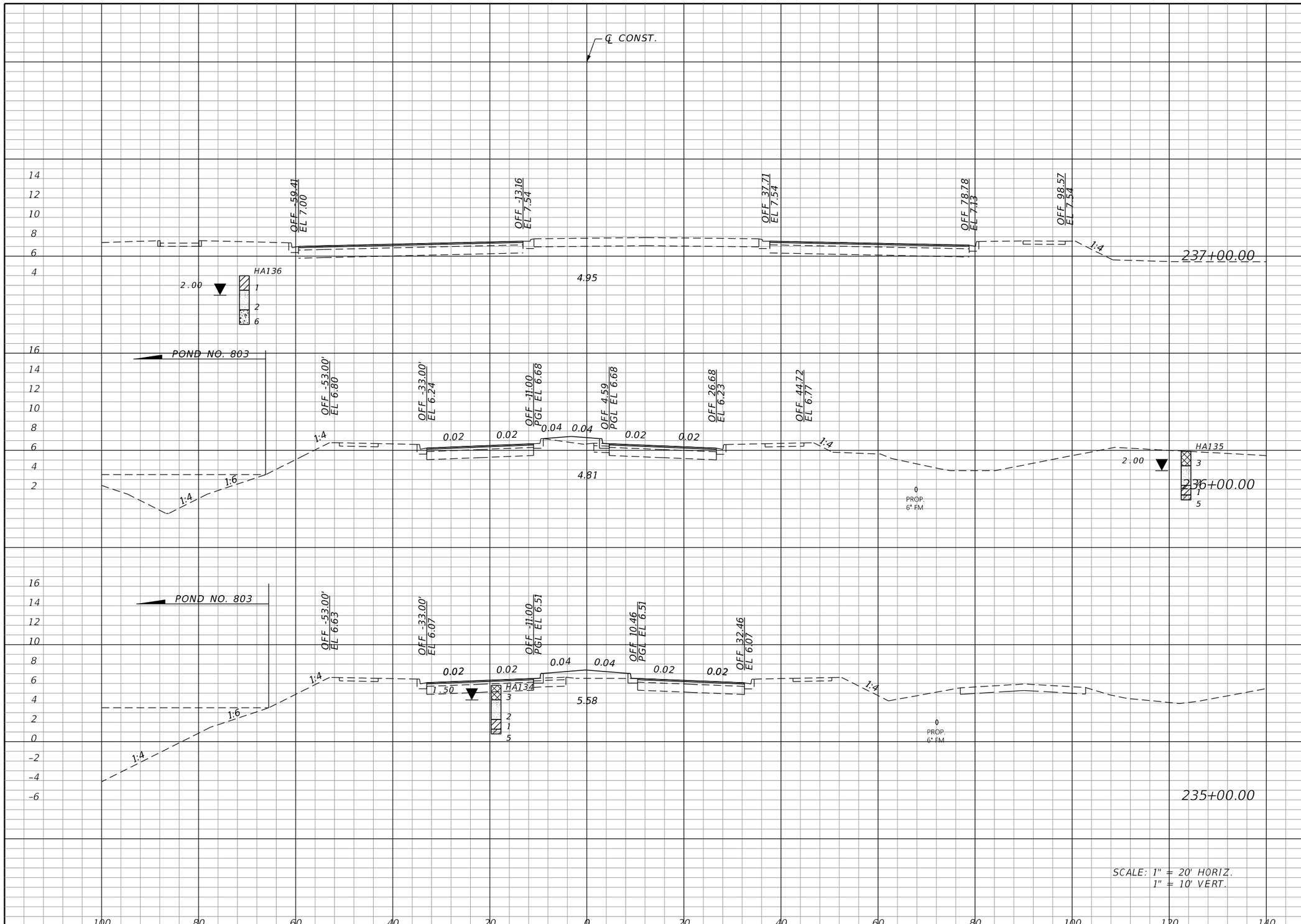
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO.
133



Regular Exc.		Embankment	
A	V	A	V

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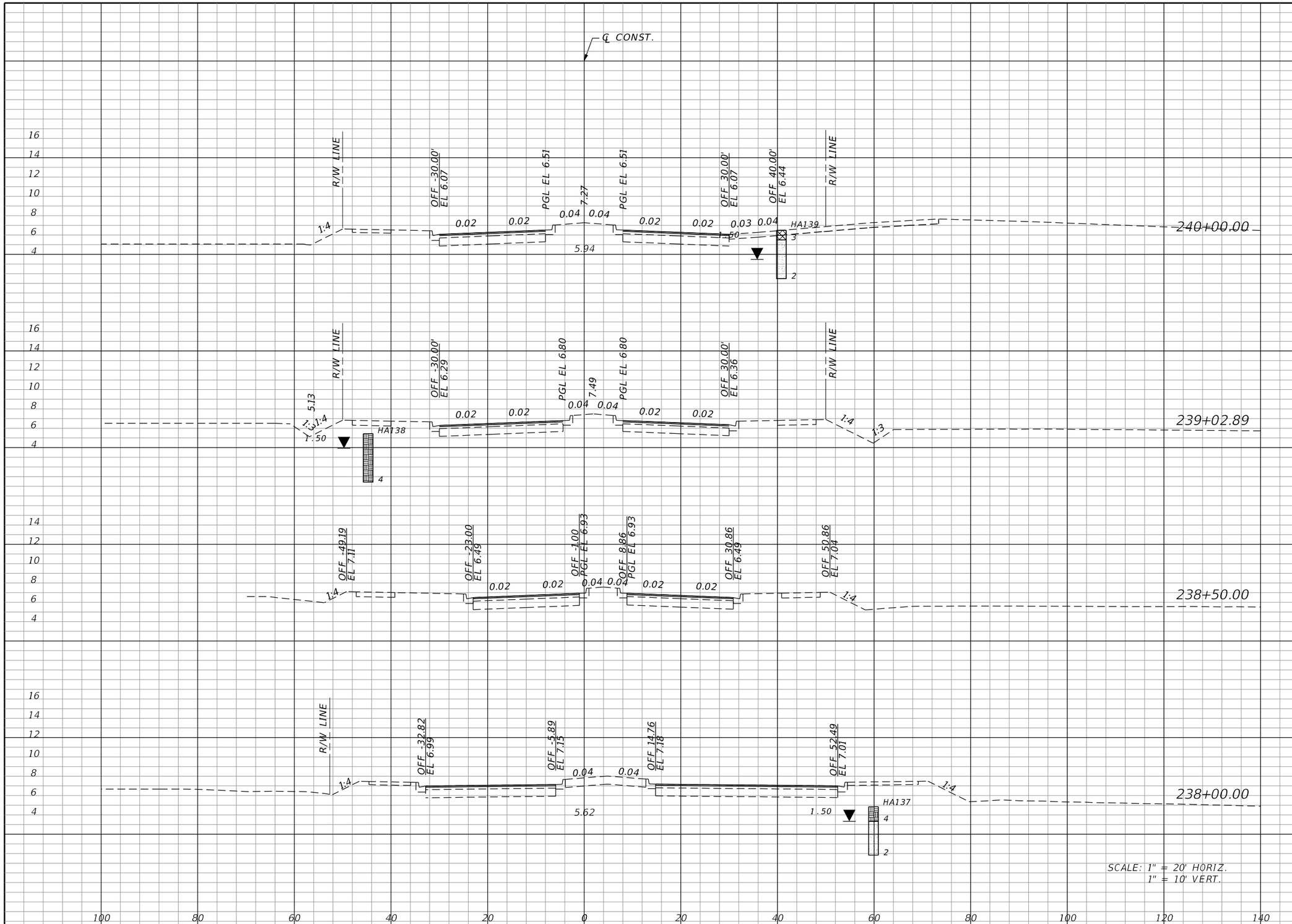
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 134



Regular Exc.		Embankment	
A	V	A	V

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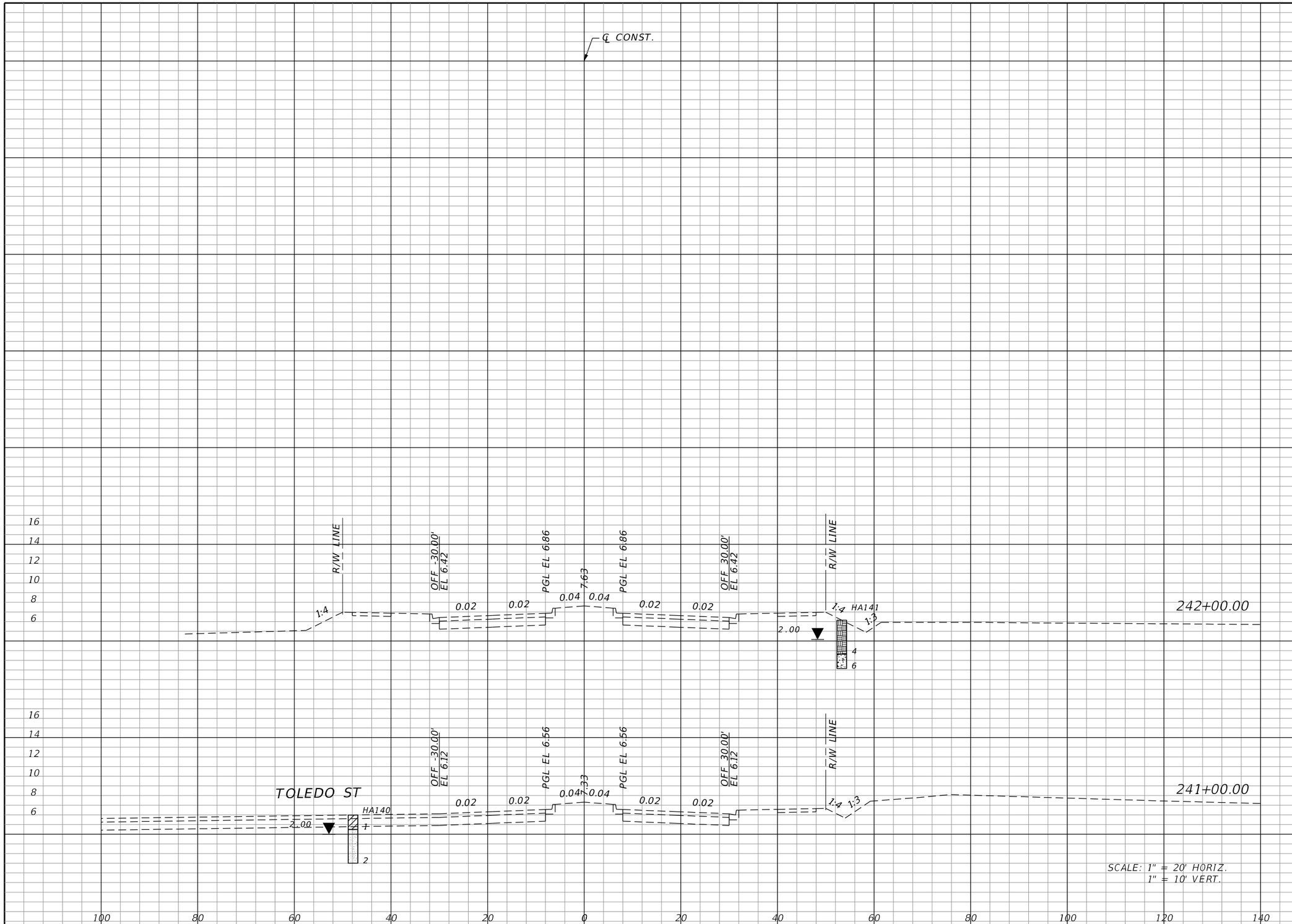
	CHARLOTTE	20225022-00R

CROSS SECTIONS

SHEET NO. 135



Regular Exc.		Embankment	
A	V	A	V

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CROSS SECTIONS

SHEET NO.
136

I. SITE DESCRIPTION:

(1) NATURE OF CONSTRUCTION ACTIVITY:

NEW CONSTRUCTION AND ROADWAY IMPROVEMENTS FOR FLAMINGO BOULEVARD/EDGEWATER DRIVE.

(2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

THE CONTRACTOR SHALL BE REQUIRED TO FOLLOW THE EROSION CONTROL PLANS INCLUDED IN THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL ALSO PREPARE A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS, CONSTRUCTION ACTIVITY VARIATIONS, OR AS DIRECTED BY THE ENGINEER. APPLICABLE EROSION CONTROL DEVICES AND IMPLEMENTATION PROCEDURES ARE SUPPLIED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL. THE ENGINEER IS RESPONSIBLE FOR DETERMINING IF ANY MODIFICATIONS OR ADDITIONAL CONTROLS ARE REQUIRED AND TO OBTAIN DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL ADDITIONAL EROSION CONTROL DEVICES FROM THE CONTRACTOR.

(3) GENERAL NOTES:

(a) ALL EROSION CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.
(b) INSTALL STAKED SILT FENCE WHERE LISTED IN THE EROSION CONTROL PLANS FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.
(c) PROVIDE SYNTHETIC BALES WHERE LISTED IN THE EROSION CONTROL PLANS FOR DITCH BLOCKS DURING CONSTRUCTION.
(d) PROVIDE ROCK BAGS AT INLET OPENINGS.
(e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
(f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
(g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
(h) DO NOT REMOVE PERIMETER CONTROLS UNTIL AFTER ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT GRASSING IS ESTABLISHED.

(4) PROJECT AREAS:

THE ESTIMATED TOTAL PROJECT AREA IS 368 ACRES. THE ESTIMATED AREA TO BE DISTURBED DURING CONSTRUCTION ACTIVITIES IS 149 ACRES.

(5) RUNOFF COEFFICIENTS BEFORE Cw(B), DURING Cw(D), AND AFTER Cw(A) CONSTRUCTION:

RUNOFF COEFFICIENT FOR:
GRASSED SHOULDERS ADJACENT TO ROADWAY: C= 0.3
IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C= 0.95
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C= 0.3

WEIGHTED RUNOFF COEFFICIENT:
BEFORE: Cw(B) = 0.4 DURING: Cw(D) = 0.4 AFTER: Cw(A) = 0.5
THE RUNOFF COEFFICIENT DURING CONSTRUCTION, Cw(D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION.

(6) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:

THE SOILS THAT MAY EXIST WITHIN THE PROJECT LIMITS ARE GENERALLY SANDY SOILS AS SHOWN IN THE USDA SOIL SURVEY MAPS.

(7) ESTIMATED DRAINAGE AREA AND AVERAGE SLOPE OF DRAINAGE AREA FOR EACH OUTFALL:

(a) SITE MAP: SEE CONSTRUCTION PLANS
(b) DRAINAGE MAP: SEE CONSTRUCTION PLANS

(8) RECEIVING WATERS:

BASIN 100 THUR 300 – FLAMINGO CANAL
BASIN 400 AND 500 – CHRISTOPHER CANAL
BASIN 600 THRU 900 – COMO CANAL
BASIN 1000 THUR 1100 – PELLAM WATERWAY
BASIN 1200 – ABHENRY CANAL

(9) THE OUTFALLS ARE NOT 303(d) LISTED WATERS FOR TOTAL SUSPENDED SOLIDS (TSS), TURBIDITY, AND SETTLEABLE SOLIDS.

(10) OUTFALL LOCATIONS:

VARIOUS (SEE DRAINAGE MAPS)

(11) WETLAND IMPACTS ARE DETAILED IN THE ENVIRONMENTAL RESOURCE PERMIT AND ASSOCIATED DOCUMENTATION.

(12) DESCRIPTION OF STORMWATER MANAGEMENT: (EXISTING/PROPOSED)

(a) PRESENTLY EXISTING DRAINAGE FLOWS GENERALLY SOUTH AND WEST TO EXISTING CANALS VIA EXSITING ROADSIDE SWALES.
(b) OFF-SITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO EROSION CONTROL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.
(c) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. THIS WILL BE ACCOMPLISHED BY WATERING DISTURBED AREAS.
(d) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING THE WATERWAYS.

II. CONTROLS:

EROSION AND SEDIMENT CONTROLS

(1) WATER QUALITY MONITORING SHALL BE CONDUCTED BY THE CONTRACTOR UPON THE OBSERVATION THAT THE WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS SHALL BE DESIGNATED BY THE PROJECT ENGINEER. THE CONSTRUCTION MANAGER WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS RELATED TO TURBIDITY (29NTU'S ABOVE BACKGROUND). MONITORING WILL BE ACCOMPLISHED BY RECORDING TURBIDITY READINGS FROM THE CENTER OF THE STREAM, ONE (1) UPSTREAM OF THE ACTIVITY AND ONE (1)DOWNSTREAM OF THE EROSION CONTROL DEVICES, BUT WITHIN THE PROJECT RIGHT OF WAY. IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHOULD BE STOPPED IMMEDIATELY AND EROSION CONTROL DEVICES RE-EVALUATED BY THE LEE COUNTY REPRESENTATIVE PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (29NTU'S ABOVE BACKGROUND). WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE COUNTY.

(2) STABILIZATION PRACTICES:

STABILIZATION MEASURES, SUCH AS PERFORMANCE TURF (SODDING) OF SIDE SLOPES PER FDOT SPECIFICATION SECTION 570 SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE SHALL THE TIME BE GREATER THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES.

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(3) STRUCTURAL PRACTICES INCLUDE:

(a) STAKED SILT FENCES
(b) SYNTHETIC BALES
(c) SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS
(d) FLOATING TURBIDITY BARRIER
(e) STAKED TURBIDITY BARRIER

(4) SILT FENCE LOCATIONS:

(a) STAKED SILT FENCE SHALL BE LOCATED AT MINIMUM AS SHOWN IN THE EROSION CONTROL PLANS.
(b) STOCKPILE AREAS SHALL INCLUDE STAKED SILT FENCE AROUND THE PERIMETER.

(5) SYNTHETIC BALE LOCATIONS:

GENERALLY, SYNTHETIC BALES SHALL BE INSTALLED AT PROPOSED INLET LOCATIONS AND AS DITCH BLOCKS TO AVOID DOWNSTREAM SILTATION. DITCH BLOCKS SHOULD BE LOCATED APPROXIMATELY EVERY 300 FEET OR 90 M.

(6) CONSTRUCTION ENTRANCES/EXITS:

SOIL TRACKING PREVENTION DEVICES SHALL BE PROVIDED FOR BOTH ON-SITE AND OFF-SITE LOCATIONS OF STOCKPILED OR EXCAVATED MATERIAL, INCLUDING PROPOSED POND SITES. IF IMMEDIATELY ADJACENT TO A PUBLIC ROADWAY, THE ENGINEER SHALL BE RESPONSIBLE FOR MODIFYING THE SYSTEM OR PROCEDURES AS NEEDED.

(7) TURBIDITY BARRIER LOCATION:

(a) STAKED TURBIDITY BARRIER IS TO BE USED IN AREAS WHERE WATER BODIES ARE LESS THAN 0.91 M (3 FEET) DEEP.
(b) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS.
(c) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF SOILS HAVE BEEN ACHIEVED.

III. OTHER CONTROLS:

(1) WASTE DISPOSAL:

(a) THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
(b) ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
(c) NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON-SITE.
(d) ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.

(2) OFF-SITE VEHICLE TRACKING - WILL BE CONTROLLED BY THE FOLLOWING METHODS:

(a) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPAULIN AT ALL TIMES.
(b) EXCESS DIRT ON ROAD WILL BE REMOVED DAILY.

(3) STATE AND LOCAL REGULATIONS: PERMITS WILL BE REQUIRED FROM THE FOLLOWING AGENCIES:

FDEP (NPDES) (CONTRACTOR TO OBTAIN)

(4) NON-STORMWATER (INCLUDING SPILL REPORTING)

THE CONTRACTOR WILL PROVIDE THE COUNTY WITH AN EROSION CONTROL PLAN THAT WILL INCLUDE SPILL CONTAINMENT, REPORTING, AND RESPONSES.

IV. MAINTENANCE:

(1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED.

(2) THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

GENERAL - ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.

(3) STRUCTURAL PRACTICES:

SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULNESS AND NOT BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE. STAKED SILT FENCES SHALL BE REPLACED EVERY TWELVE (12) MONTHS OR WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE. STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

V. INSPECTION:

(1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT. ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR.

(2) ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P. CERTIFIED STORMWATER MANAGEMENT INSPECTORS.

(3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.

VI. TRACKING AND REPORTING:

(1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE COUNTY DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.

(2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION CONTROL DEVICES.

(3) THE CONTRACTOR SHALL USE THE CONSTRUCTION INSPECTION REPORT (# 650-040-03) DATED 11/09 FOR DAILY INSPECTIONS.

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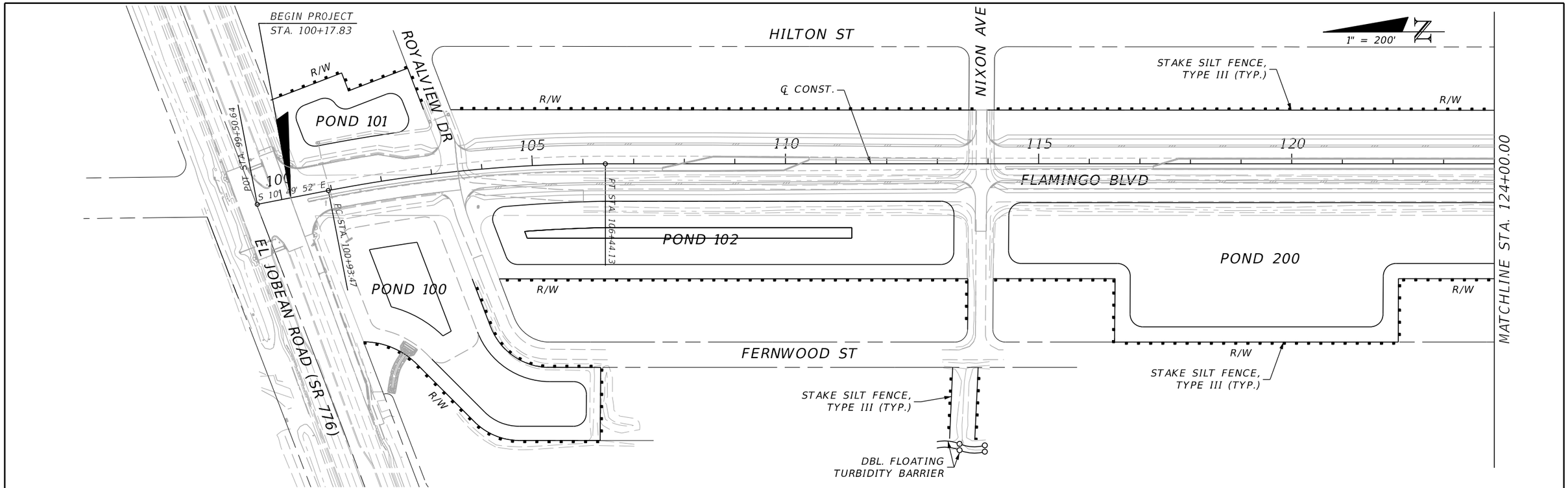

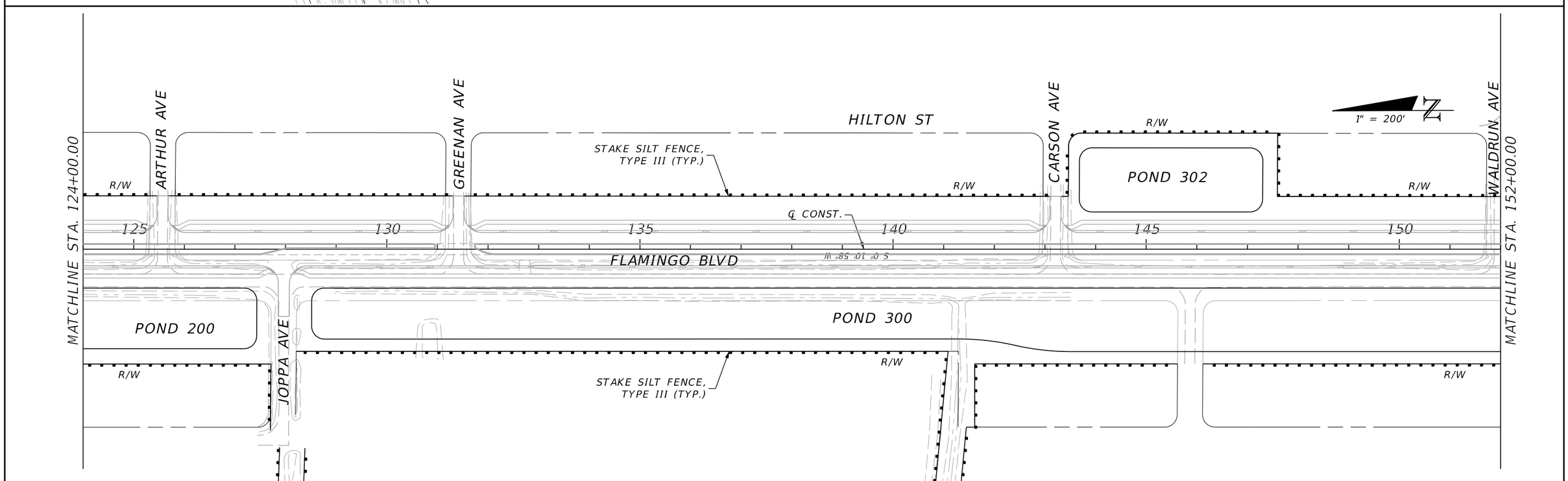

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RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

EROSION CONTROL PLANS

SHEET NO. 139

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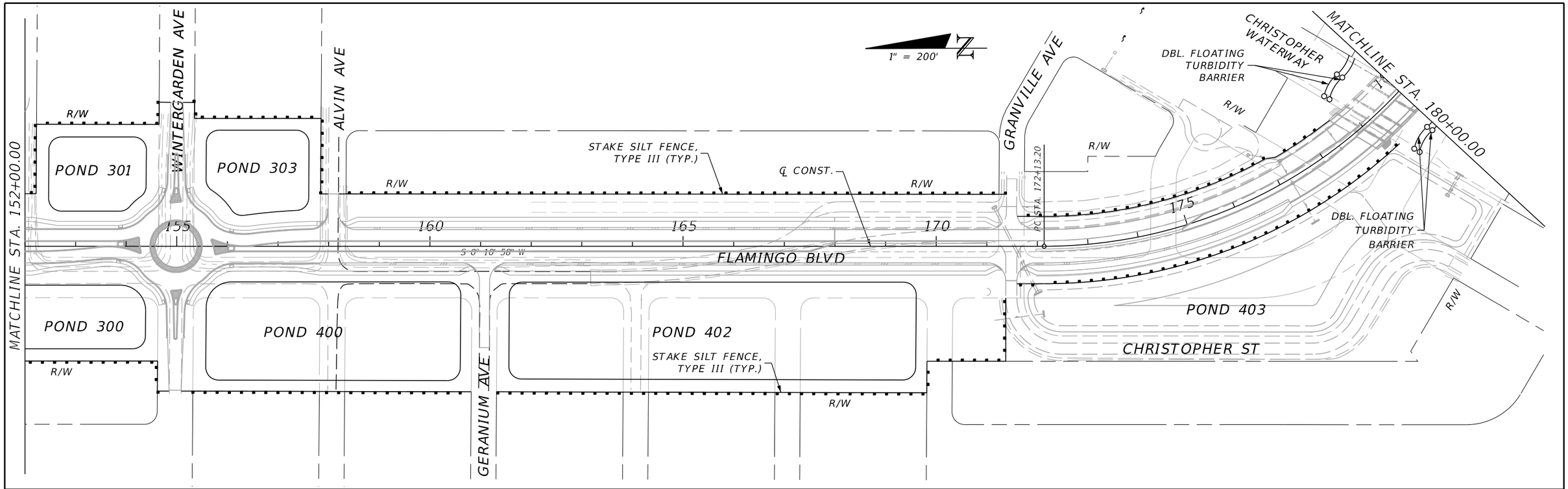

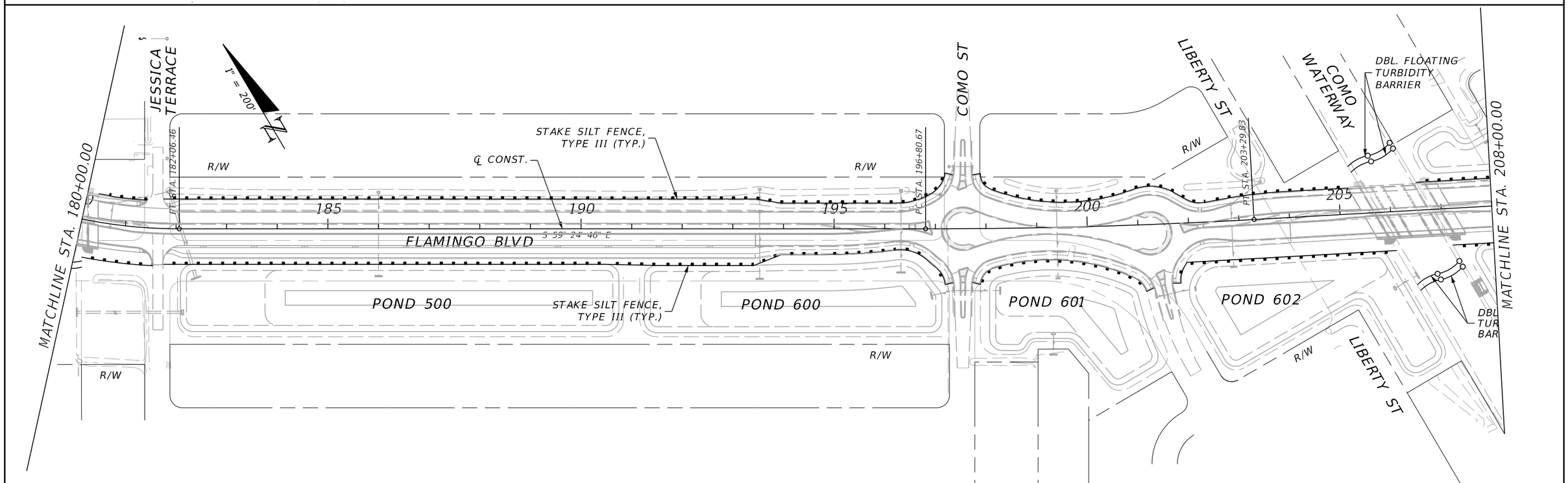

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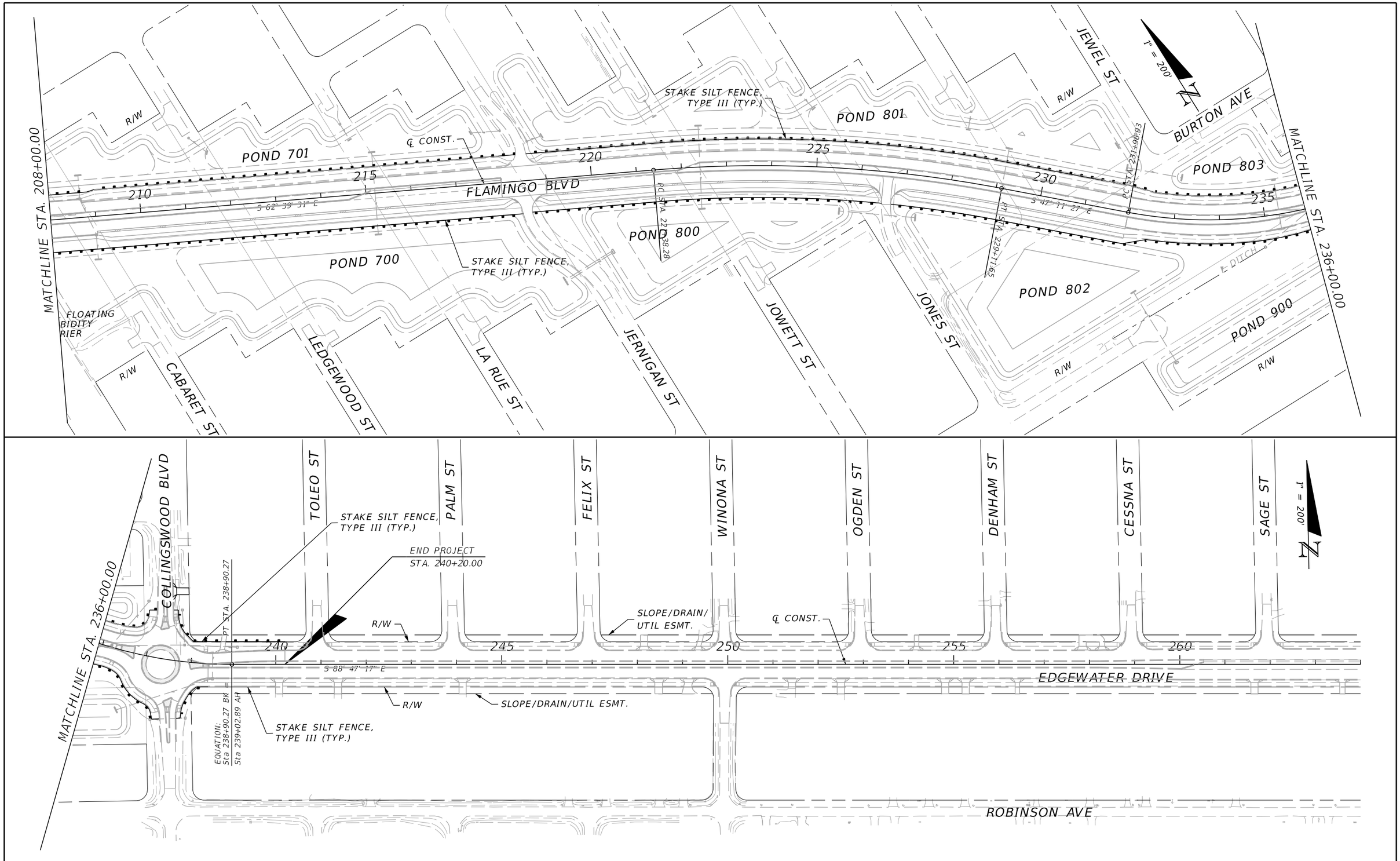
EROSION CONTROL PLAN

SHEET NO. 140



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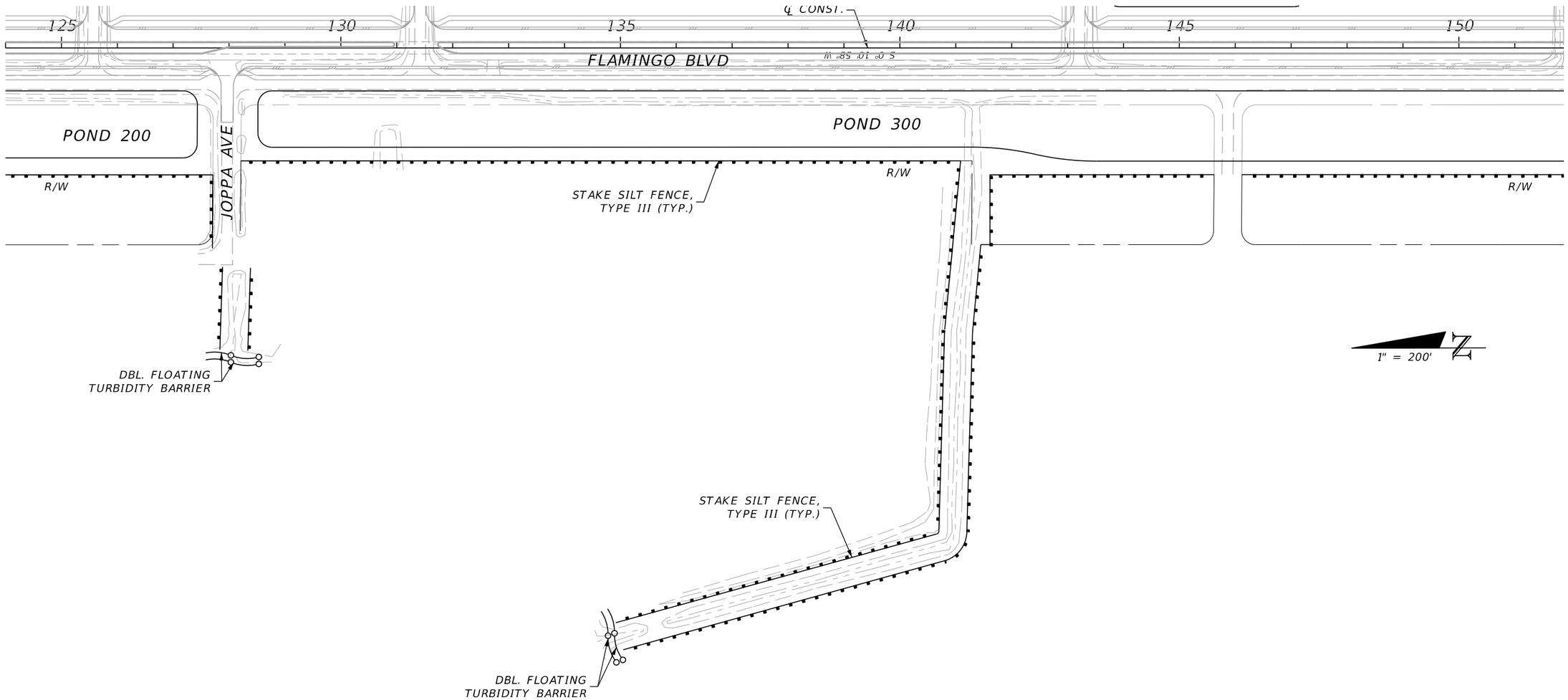
EROSION CONTROL PLAN

SHEET NO. 141



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EROSION CONTROL PLANS

SHEET NO.
142

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TRAFFIC CONTROL GENERAL NOTES

1. THE INTENT OF THE TEMPORARY TRAFFIC CONTROL PHASING PLANS IS TO CONVEY THE GENERAL INTENT OF THE CONSTRUCTION SEQUENCING. CONTRACTOR SHALL PROVIDE FULL TRAFFIC CONTROL PLANS (TCP) SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER TO COUNTY FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. ALL COSTS FOR TCP PRODUCTION AND SUBSEQUENT PLAN IMPLEMENTATION AND MAINTENANCE SHALL BE INCLUDED IN THE MAINTENANCE OF TRAFFIC (LUMP SUM) PAY ITEM.

2. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN THE LATEST VERSIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SERIES 600 OF THE FDOT STANDARD PLANS AT ALL TIMES.

3. POSTED SPEED LIMIT ON MAINLINE MAY BE REDUCED BY 10 MPH DURING CONSTRUCTION. EXISTING POSTED SPEED ALONG ALL OTHER SIDE STREETS SHALL REMAIN DURING CONSTRUCTION. TRAFFIC SHALL MAINTAINED ON PAVED SURFACES AT ALL TIMES.

4. ALL EXISTING SIGNS AND PAVEMENT MARKINGS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN DURING A CONSTRUCTION PHASE, SHALL BE REMOVED, COVERED, OR TEMPORARILY RELOCATED AS NECESSARY PRIOR TO THE DIVERSION OF TRAFFIC AND THE COMMENCEMENT OF CONSTRUCTION.

5. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

6. REMOVAL OF ANY CONFLICTING STRIPING IS TO BE INCLUDED IN THE MAINTENANCE OF TRAFFIC (LUMP SUM) PAY ITEM.

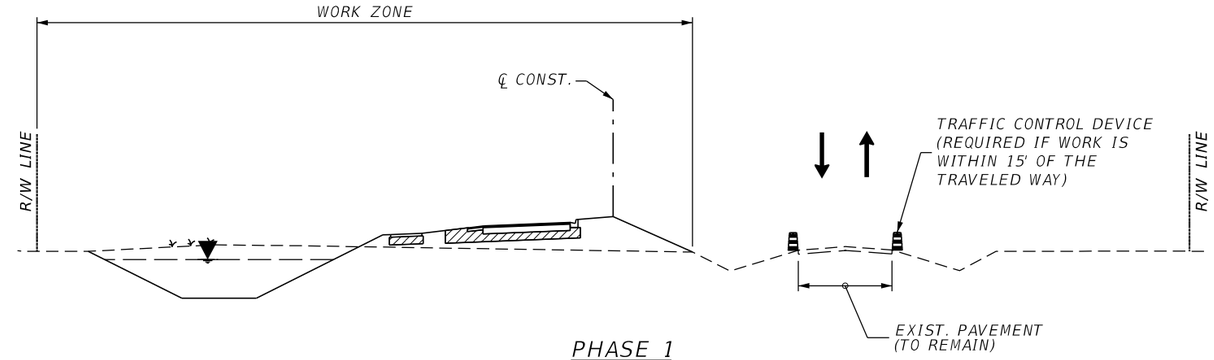
7. ALL PAVEMENT MARKINGS USED FOR TEMPORARY TRAFFIC CONTROL WILL BE PAINT. NO TEMPORARY MARKING SHALL BE ALLOWED ON FINAL ASPHALT FRICTION COURSE.

8. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES. ANY TEMPORARY DRAINAGE FEATURES SHALL BE REMOVED, PRIOR TO COMPLETION.

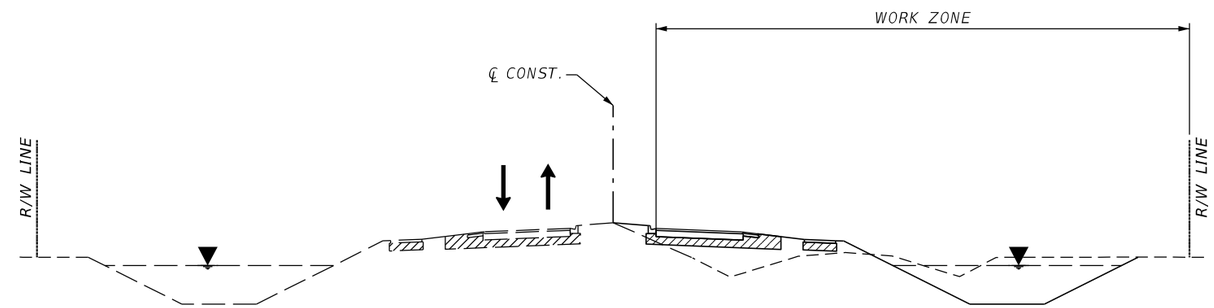
9. CONTRACTOR SHALL COMPLY WITH THE UTILITY NOTIFICATION PROCEDURE OF FLORIDA STATUTES CHAPTER 556 (UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT).

10. TEMPORARY EROSION CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION BEGINS AND MAINTAINED THROUGHOUT.

11. TEMPORARY LANE CLOSURES WITH ONE WAY TRAFFIC MAY BE ALLOWED WITH COUNTY APPROVAL. CONTRACTOR TO COORDINATE WITH COUNTY ON TIMING AND DURATION. NO LANE CLOSURES ARE PERMITTED WITHIN PEAK TRAVEL TIME INCLUDING 6-9AM AND 4-7PM. ALL OPERATIONS REQUIRING LANE CLOSURES SHALL BE PHASED AND PLANNED TO ALLOW TRAVEL LANES TO BE RESTORED AND OPENED AT THE BEGINNING OF THE PEAK TRAVEL TIMES NOTED ABOVE.



PHASE 1
N.T.S.



PHASE 2
N.T.S.

PHASING NOTES

PHASE 1

1. INSTALL ADVANCE WARNING SIGNS IN ACCORDANCE WITH THE 600 SERIES OF THE STANDARD PLANS.
2. PLACE WORK ZONE SIGNAGE AND TRAFFIC CONTROL DEVICES ALONG EXISTING FLAMINGO BLVD (WITHIN PROJECT LIMITS) IN ACCORDANCE WITH INDEX 102-602 WHILE MAINTAINING TRAFFIC ON EXISTING ROADWAY.
3. PERFORM ALL WORK OUTSIDE OF EXISTING ROADWAY INCLUDING UTILITIES AND CONSTRUCTION OF NEW NB LANES (LEFT ROADWAY) FROM SR776 TO GRANVILLE AVE EXCLUDING THE FRICTION COURSE.
4. PROVIDE SIGNING AND MARKING FOR 2-WAY TRAFFIC ON NEW LANES.
5. SOD AND STABILIZE ALL FINISHED AREAS.

PHASE 2

1. PLACE WORK ZONE SIGNAGE AND TRAFFIC CONTROL DEVICES ON NEW NB LANES OF FLAMINGO BLVD IN ACCORDANCE WITH INDEX 102-602. SHIFT ALL TRAFFIC TO NEW NB LANES.
2. CONSTRUCT ALL RIGHT ROADWAY IMPROVEMENTS INCLUDING FRICTION COURSE.
3. PLACE SIGNING AND MARKING FOR ULTIMATE CONDITIONS ON NEW SB LANES. SHIFT EXISTING SB TRAFFIC TO NEW SB LANES.

PHASE 3 (NOT SHOWN)

1. CONSTRUCTION FRICTION COURSE FOR NB LANES ALTERNATING NB TRAVEL LANES IN ACCORDANCE WITH INDEX 102-603.
2. CONSTRUCT ALL LEFT ROADWAY (NORTH SIDE) AND MEDIAN IMPROVEMENTS, INCLUDING LEFT ROADWAY FRICTION COURSE.
3. PLACE ALL REMAINING SIGNING AND MARKING IN ULTIMATE CONFIGFURATION.
4. PERFORM ANY REMAINING CLEAN UP AND PUNCH LIST WORK. REMOVE EROSION CONTROL MEASURES.

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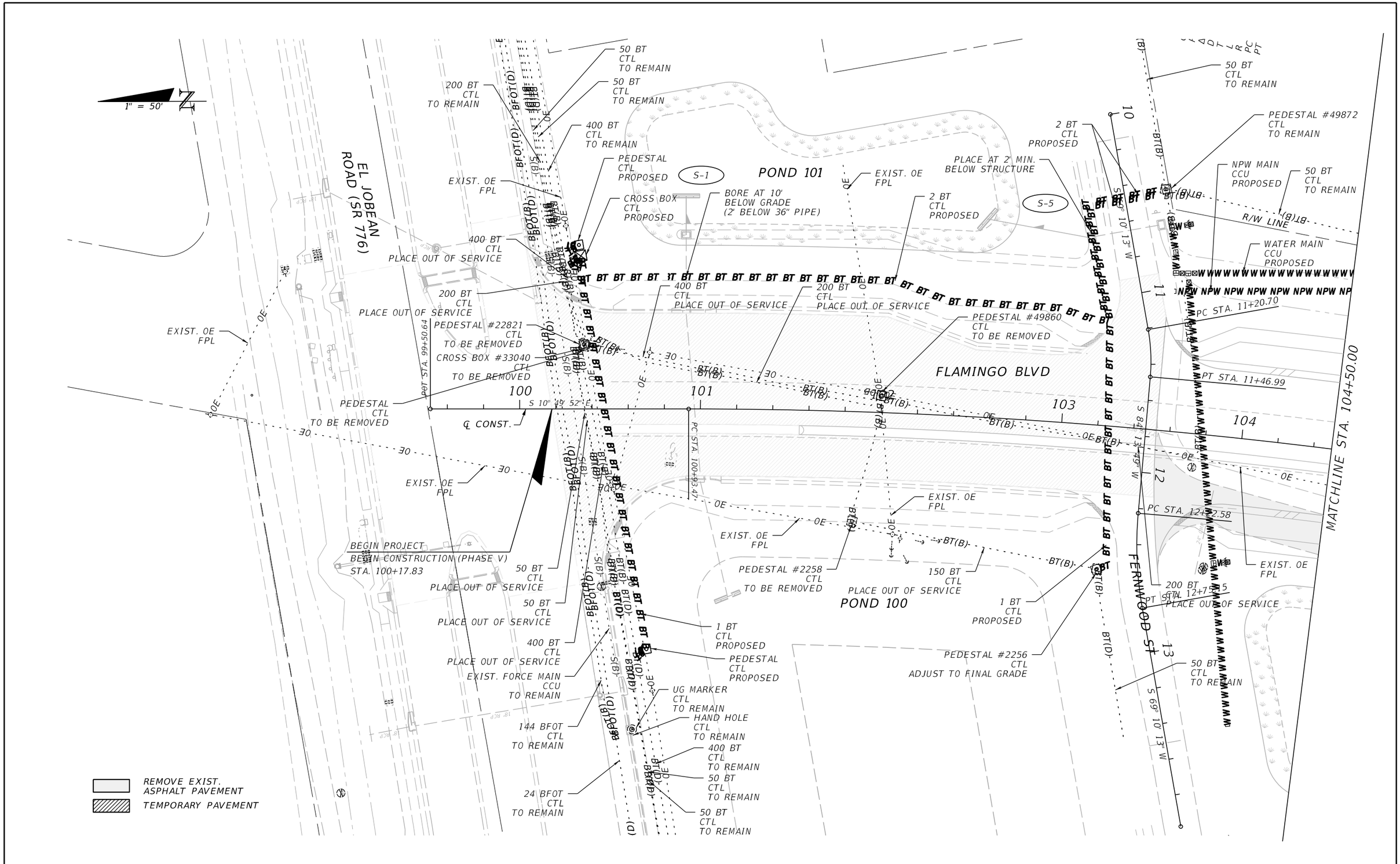
TRAFFIC CONTROL

SHEET NO. 143



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ROAD NO.	COUNTY	PROJECT ID
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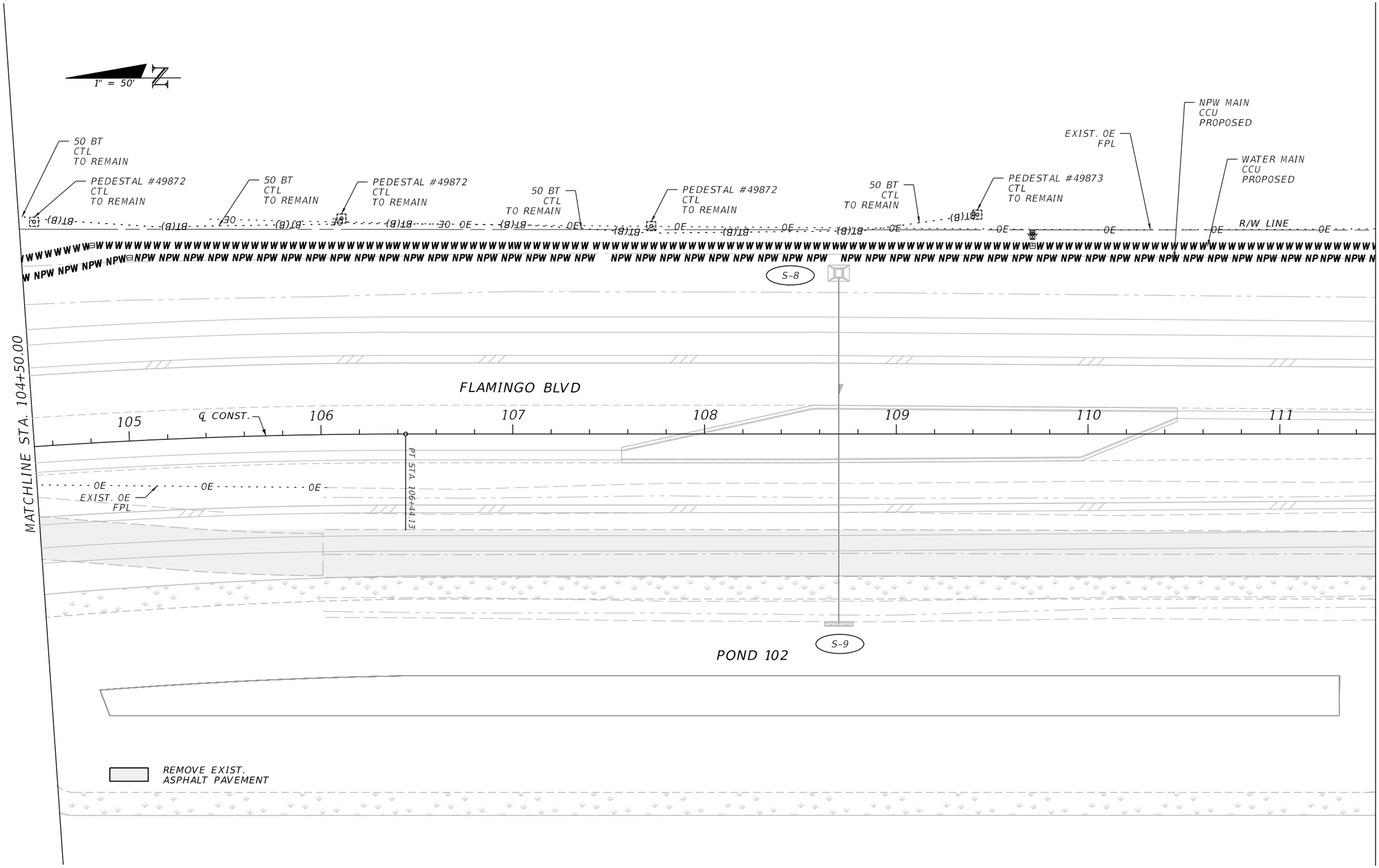
UTILITY ADJUSTMENTS
STA. 100+00 TO STA. 104+50

SHEET NO. 144



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UTILITY ADJUSTMENTS
STA. 104+50 TO STA. 111+50

SHEET NO.
145

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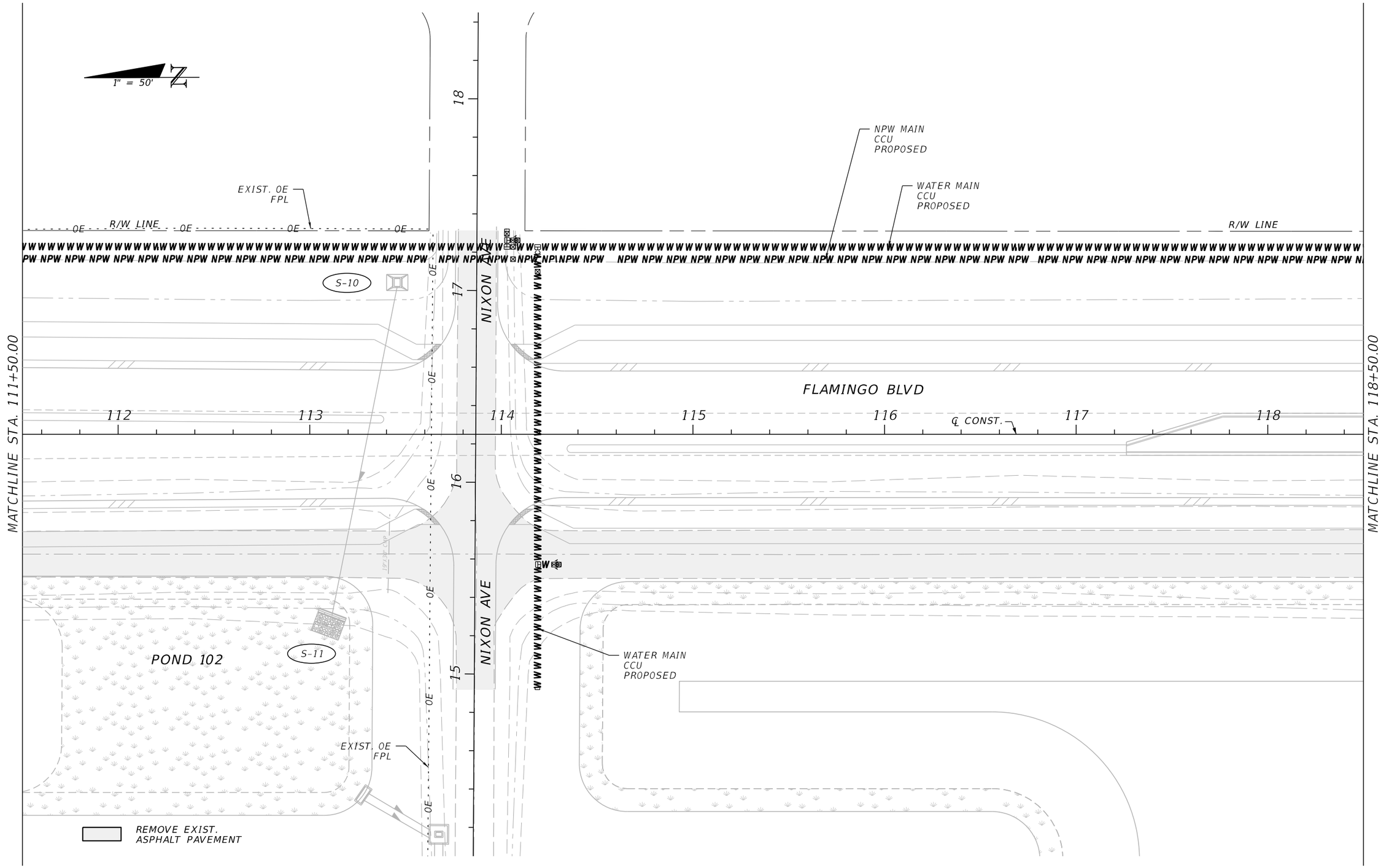

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UTILITY ADJUSTMENTS
STA. 111+50 TO STA. 118+50

SHEET NO.
146

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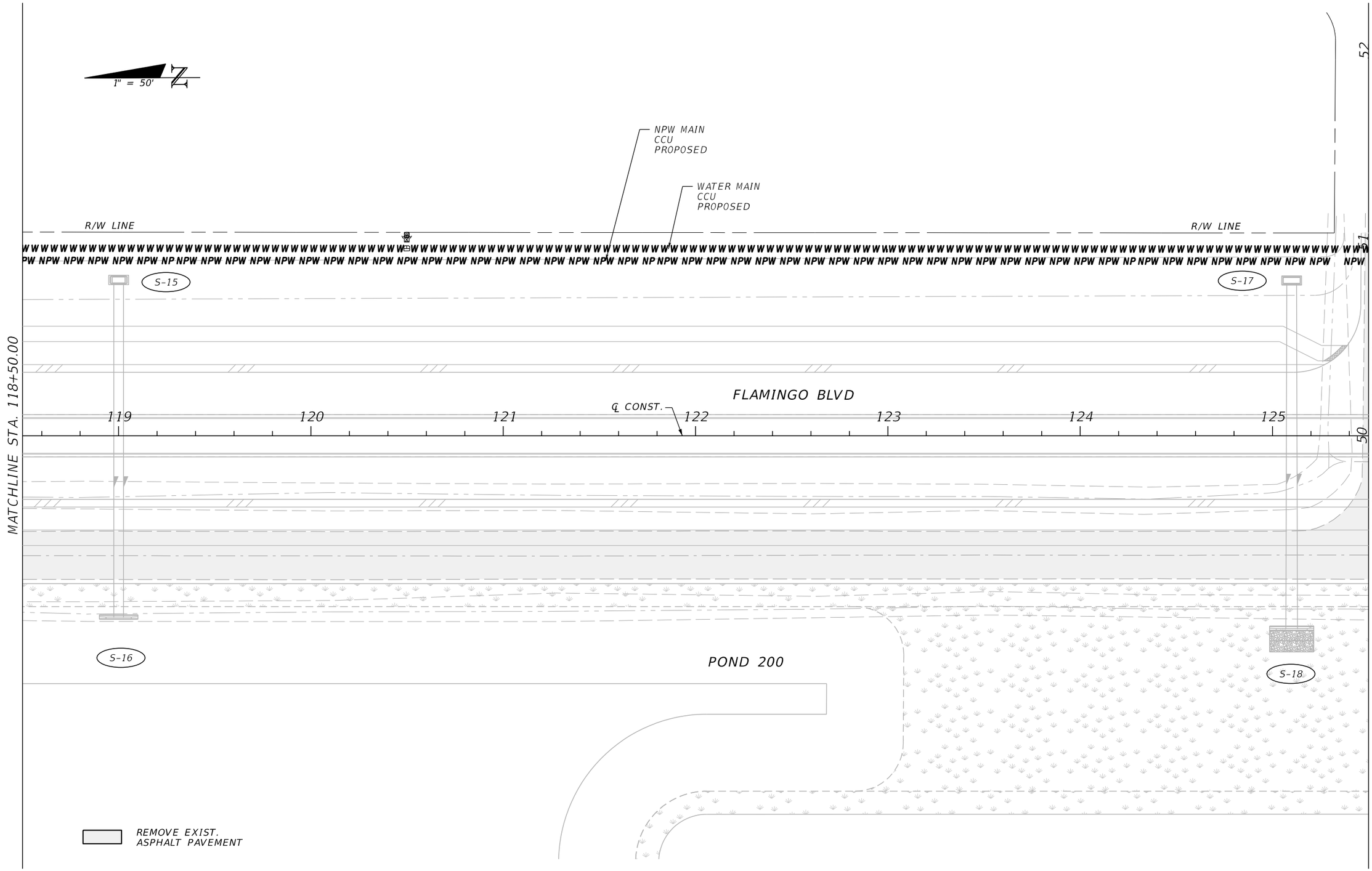

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UTILITY ADJUSTMENTS
STA. 118+50 TO STA. 125+50

SHEET NO.
147

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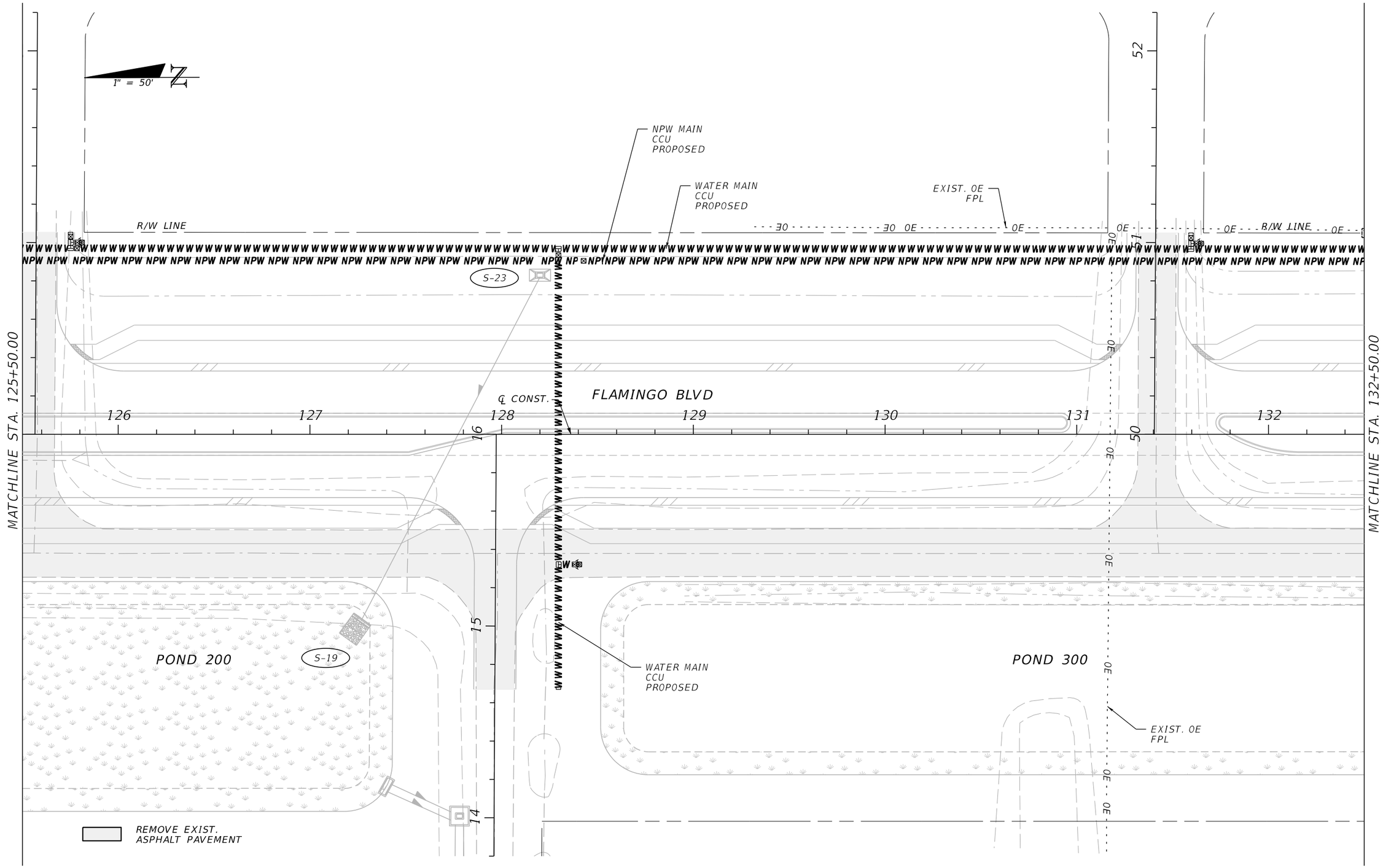

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UTILITY ADJUSTMENTS
STA. 125+50 TO STA. 132+50

SHEET NO.
148

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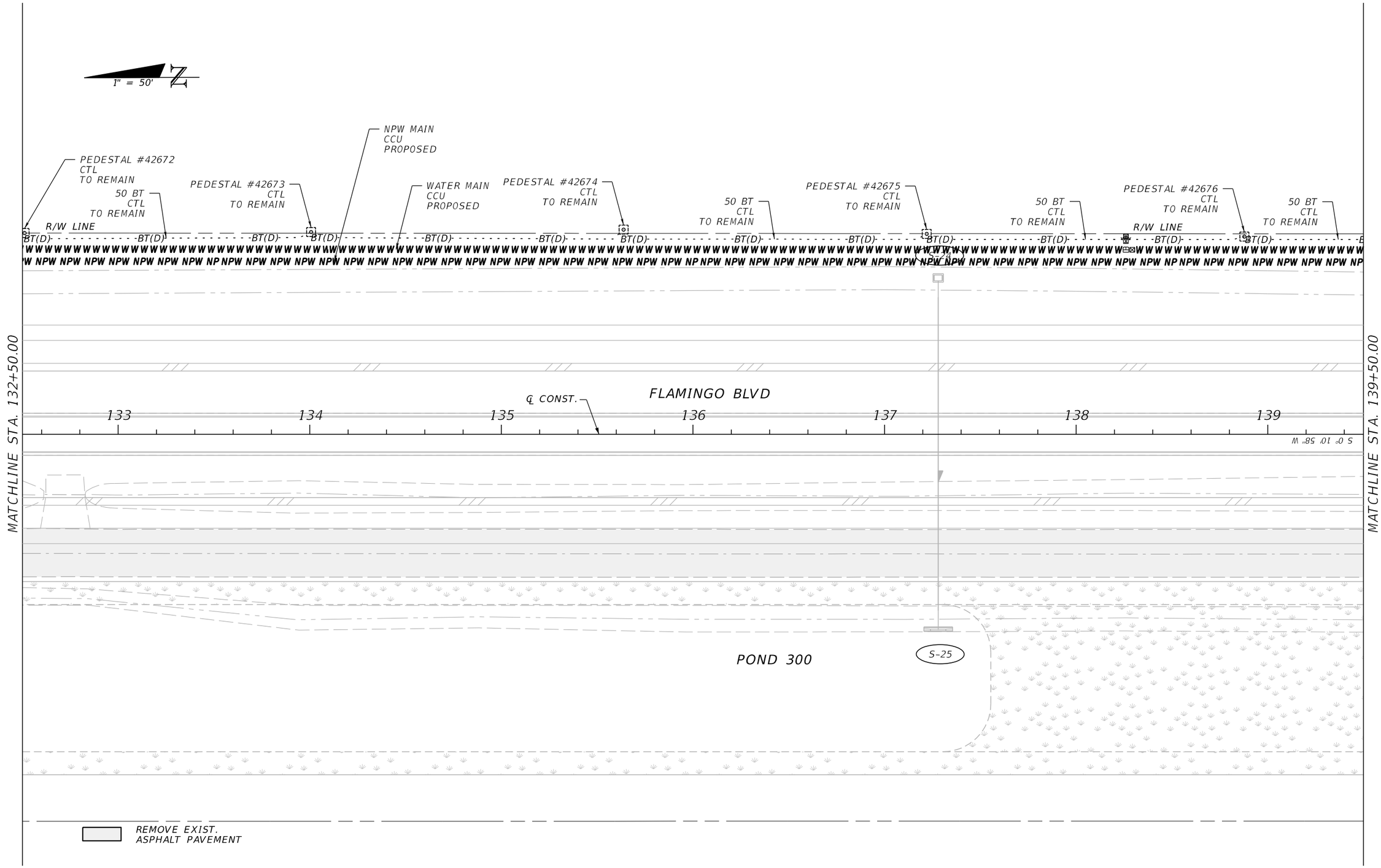

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UTILITY ADJUSTMENTS
STA. 132+50 TO STA. 139+50

SHEET NO.
149

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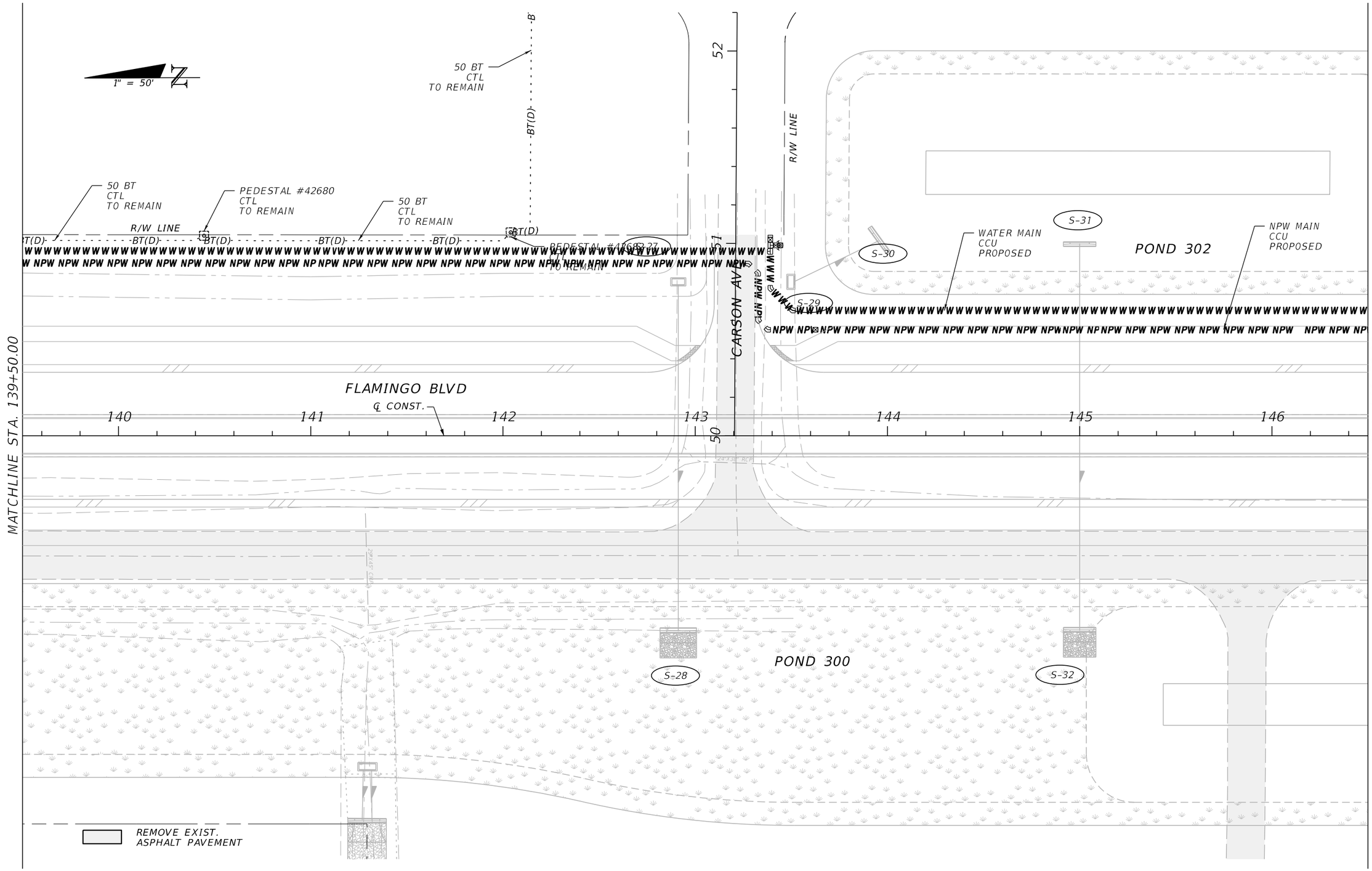

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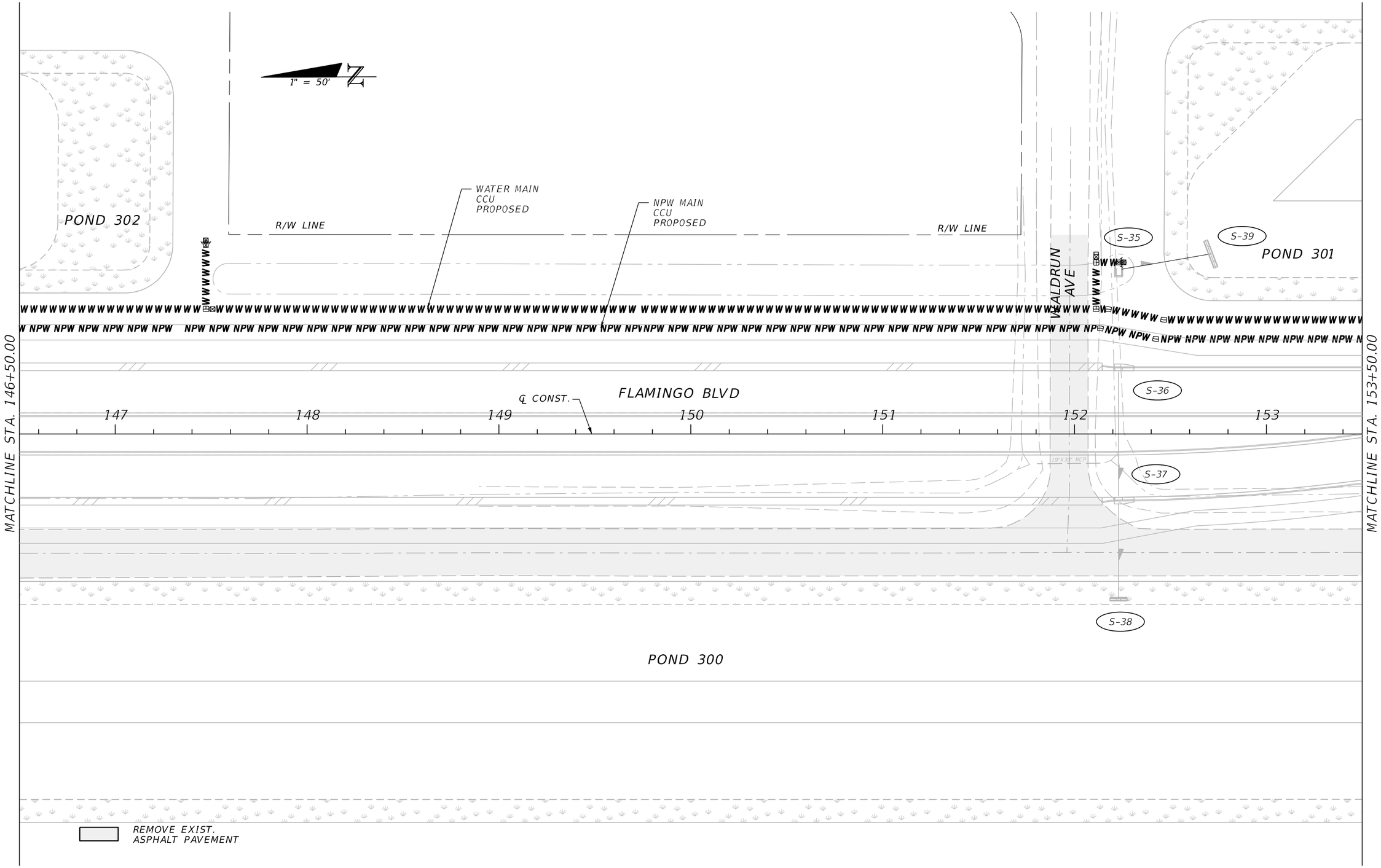
UTILITY ADJUSTMENTS
STA. 139+50 TO STA. 146+50

SHEET NO.
150



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

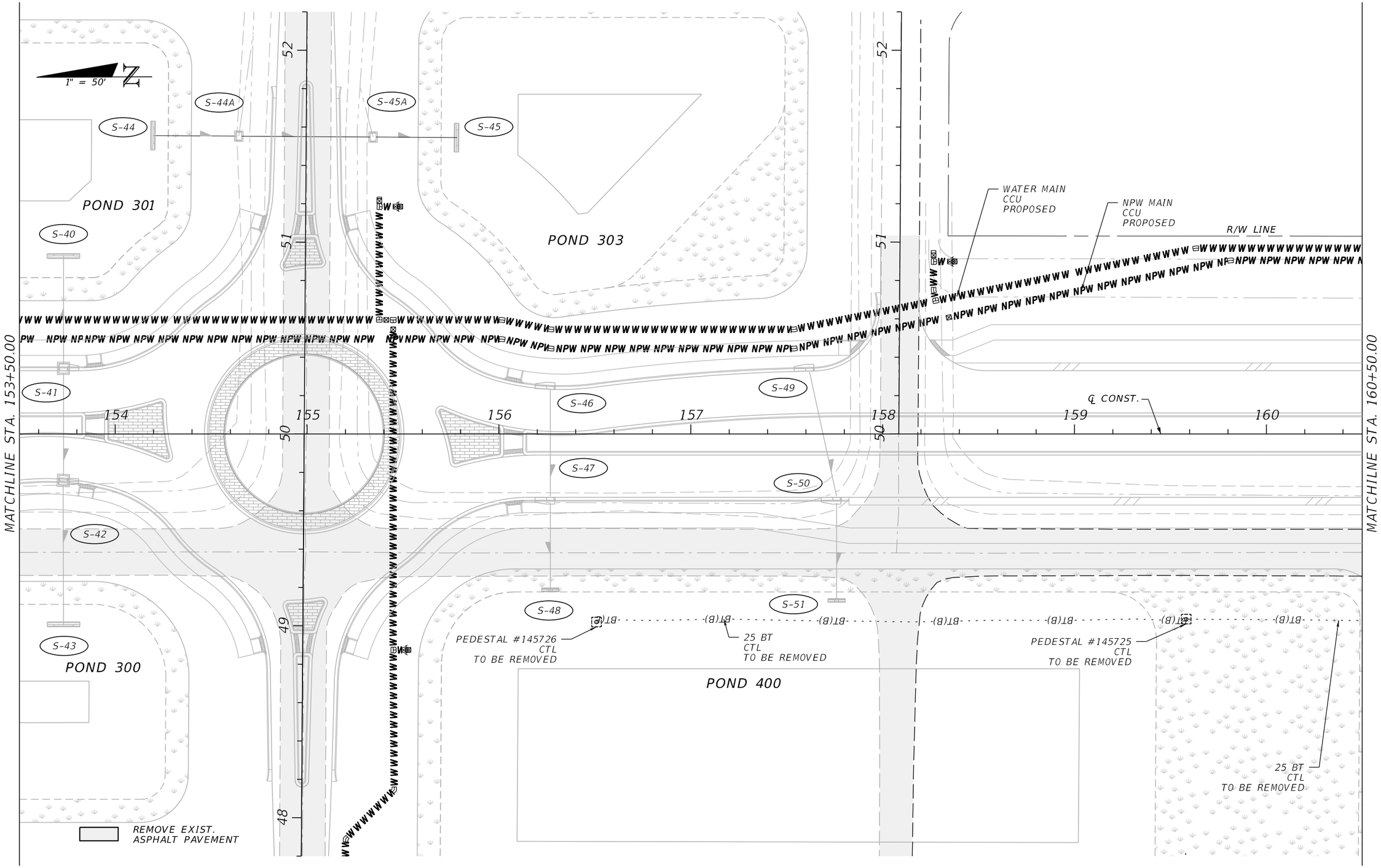
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 146+50 TO STA. 153+50

SHEET NO.
151



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

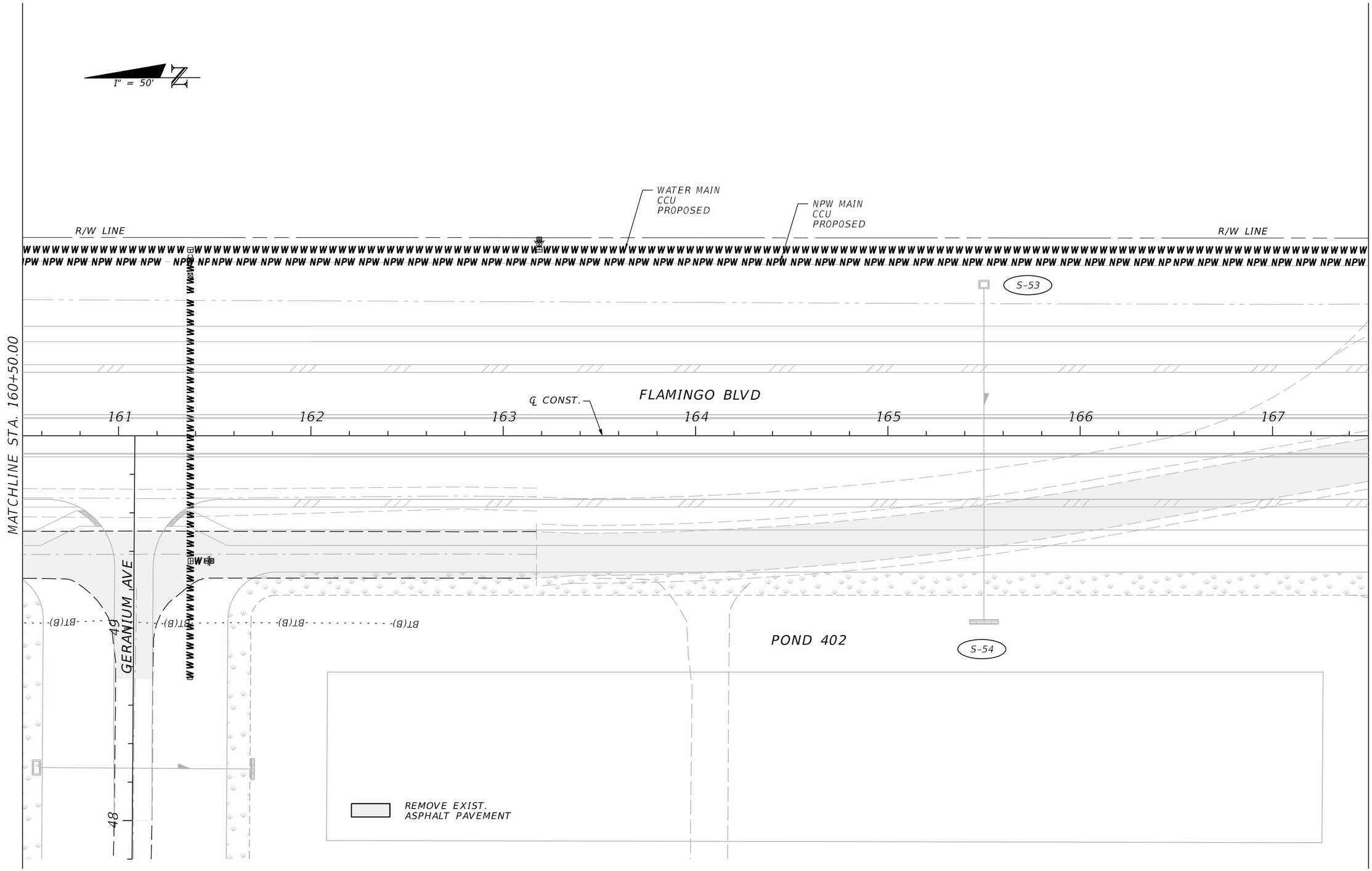
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 153+50 TO STA. 160+50

SHEET NO.
152



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

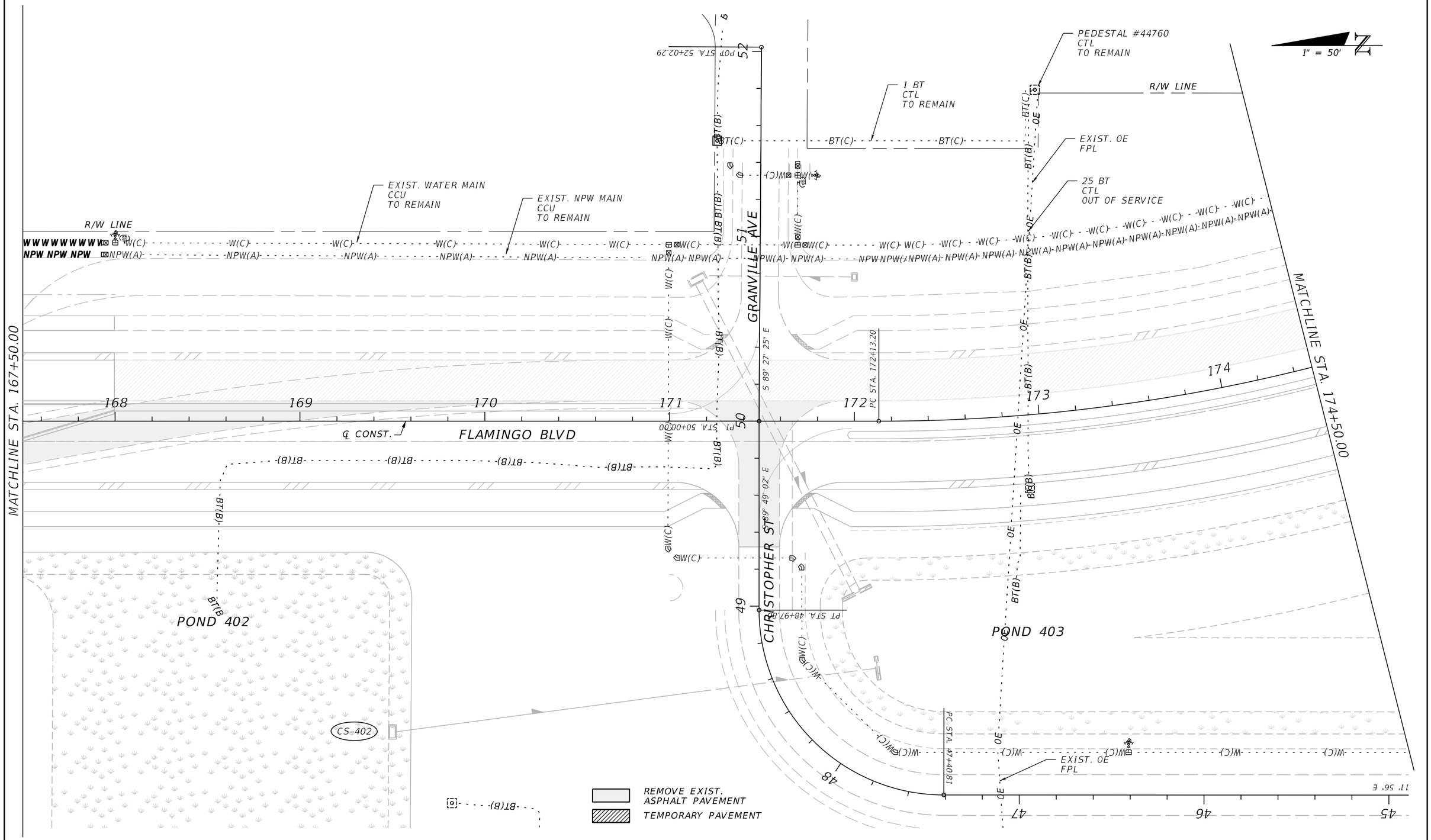
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 160+50 TO STA. 167+50

SHEET NO.
153

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

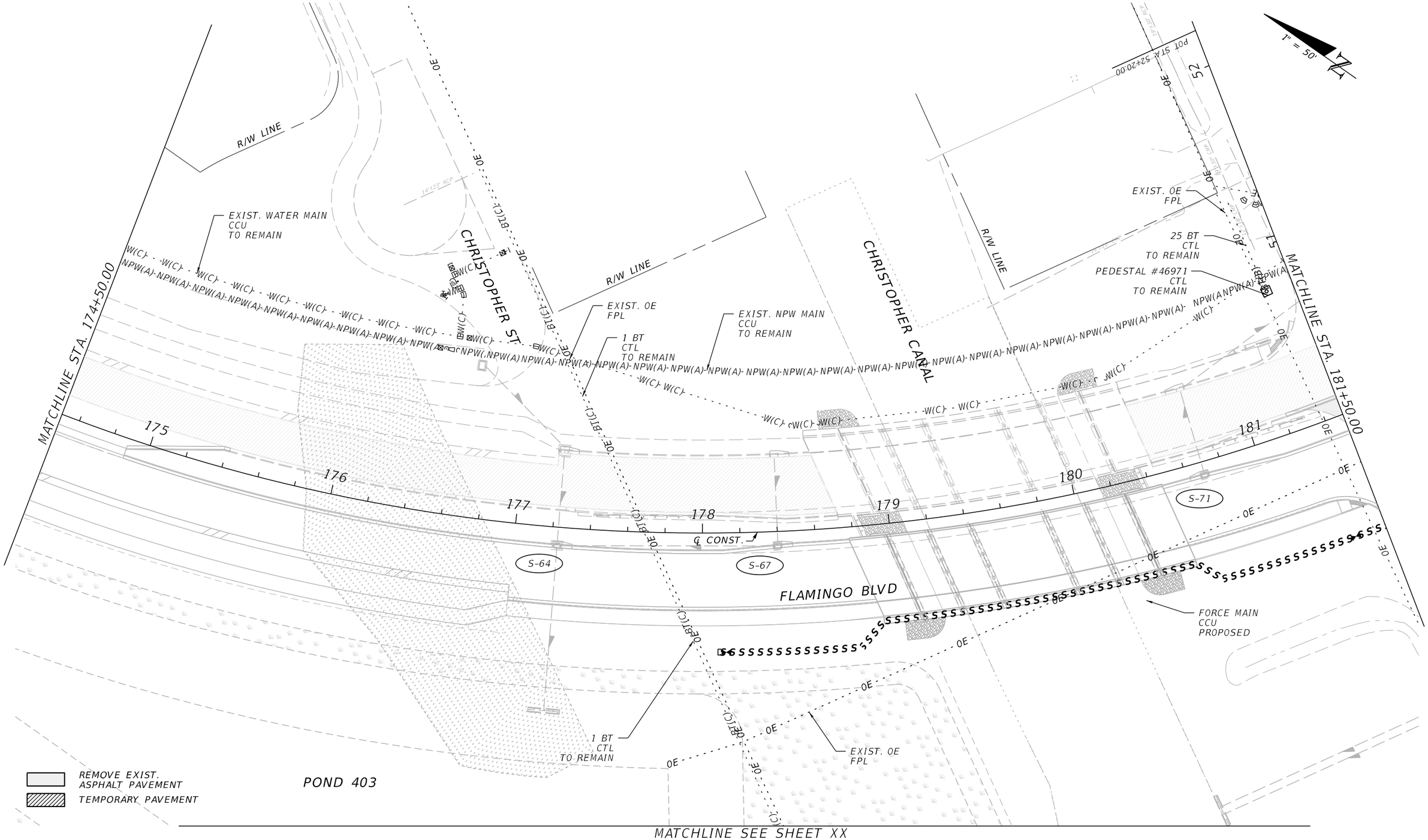
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 167+50 TO STA. 174+50

SHEET NO.
154

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

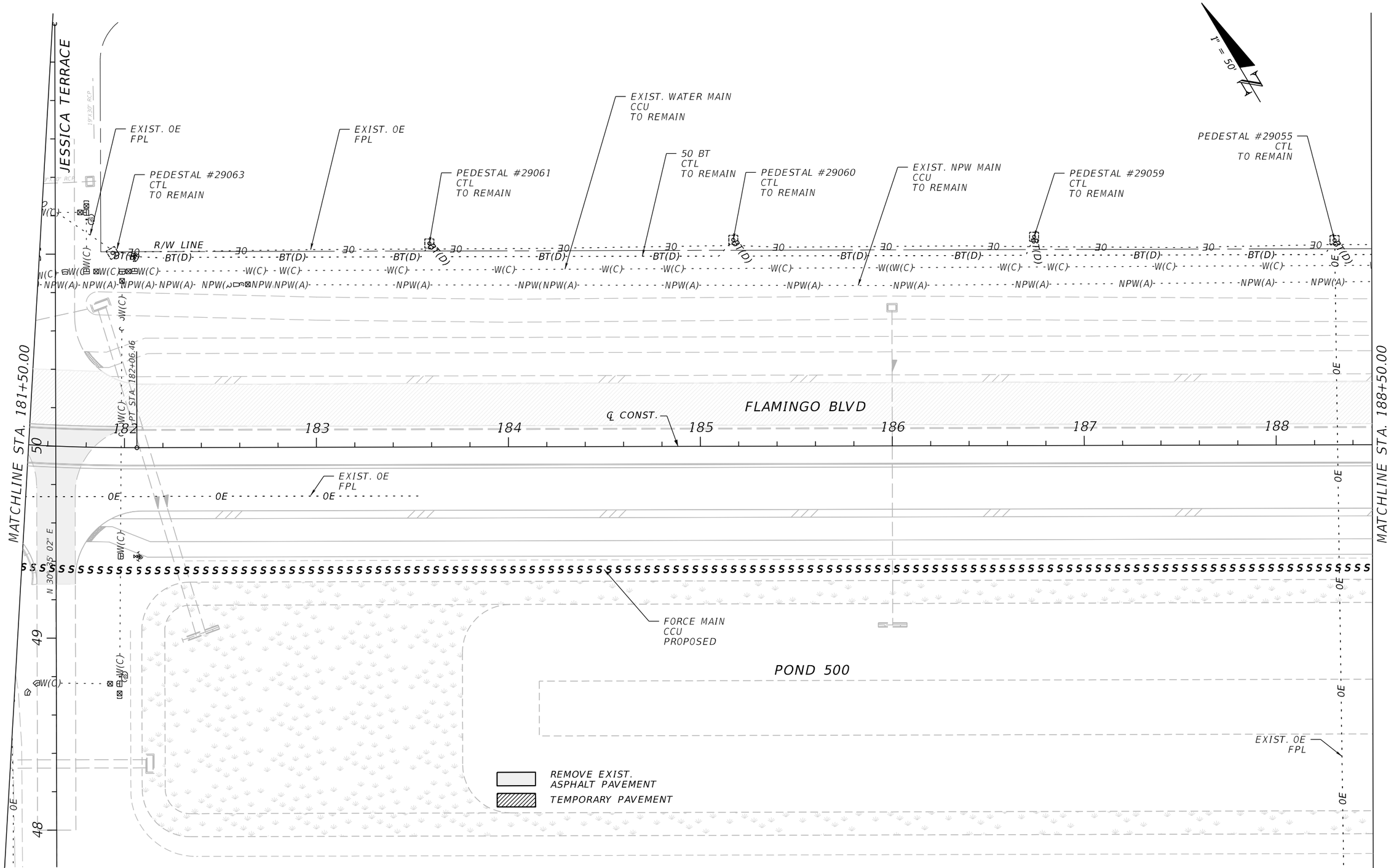
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 174+50 TO STA. 181+50

SHEET NO.
155



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

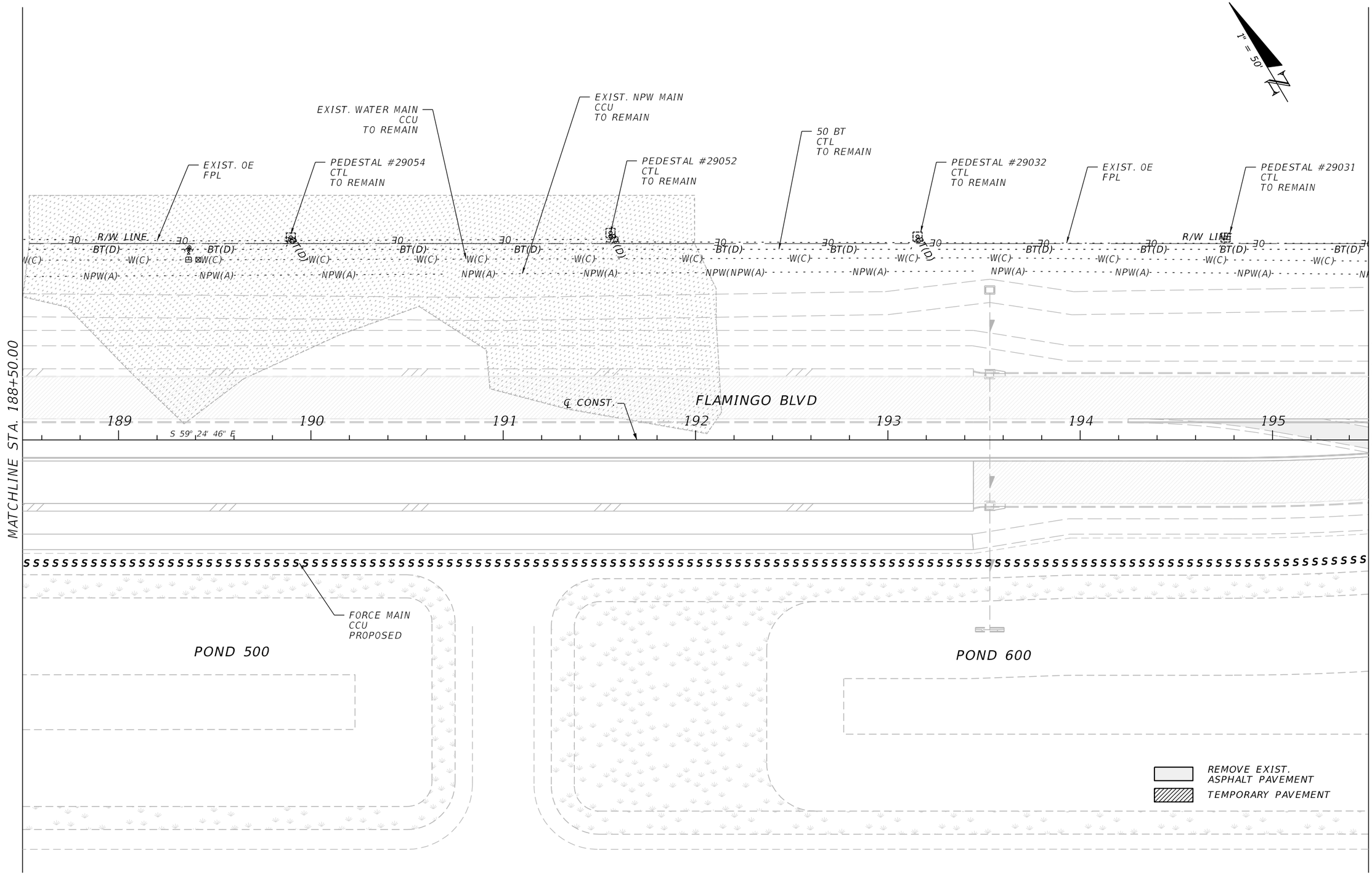
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 181+50 TO STA. 188+50

SHEET NO. 156

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

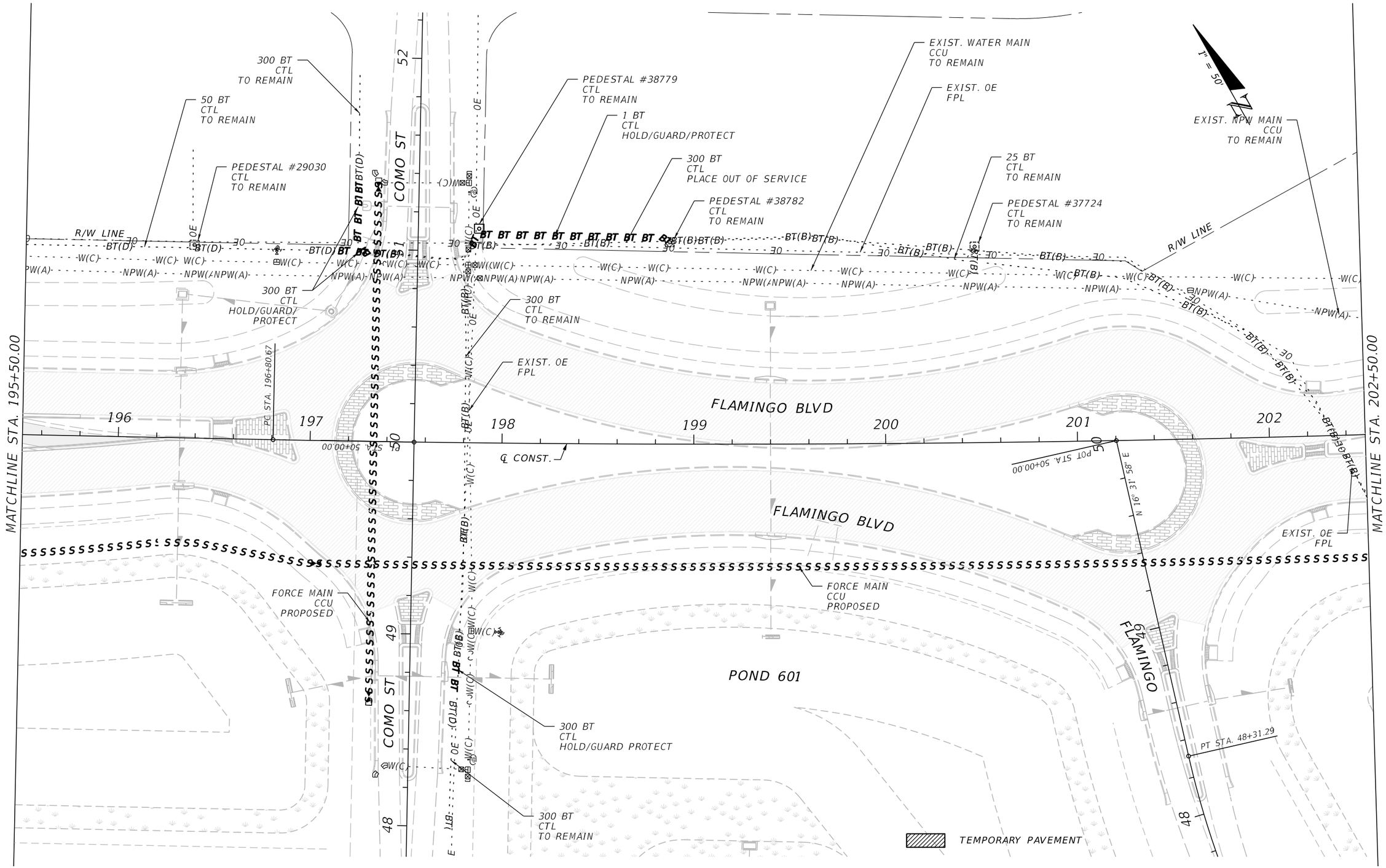
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 188+50 TO STA.195+50

SHEET NO.
157

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

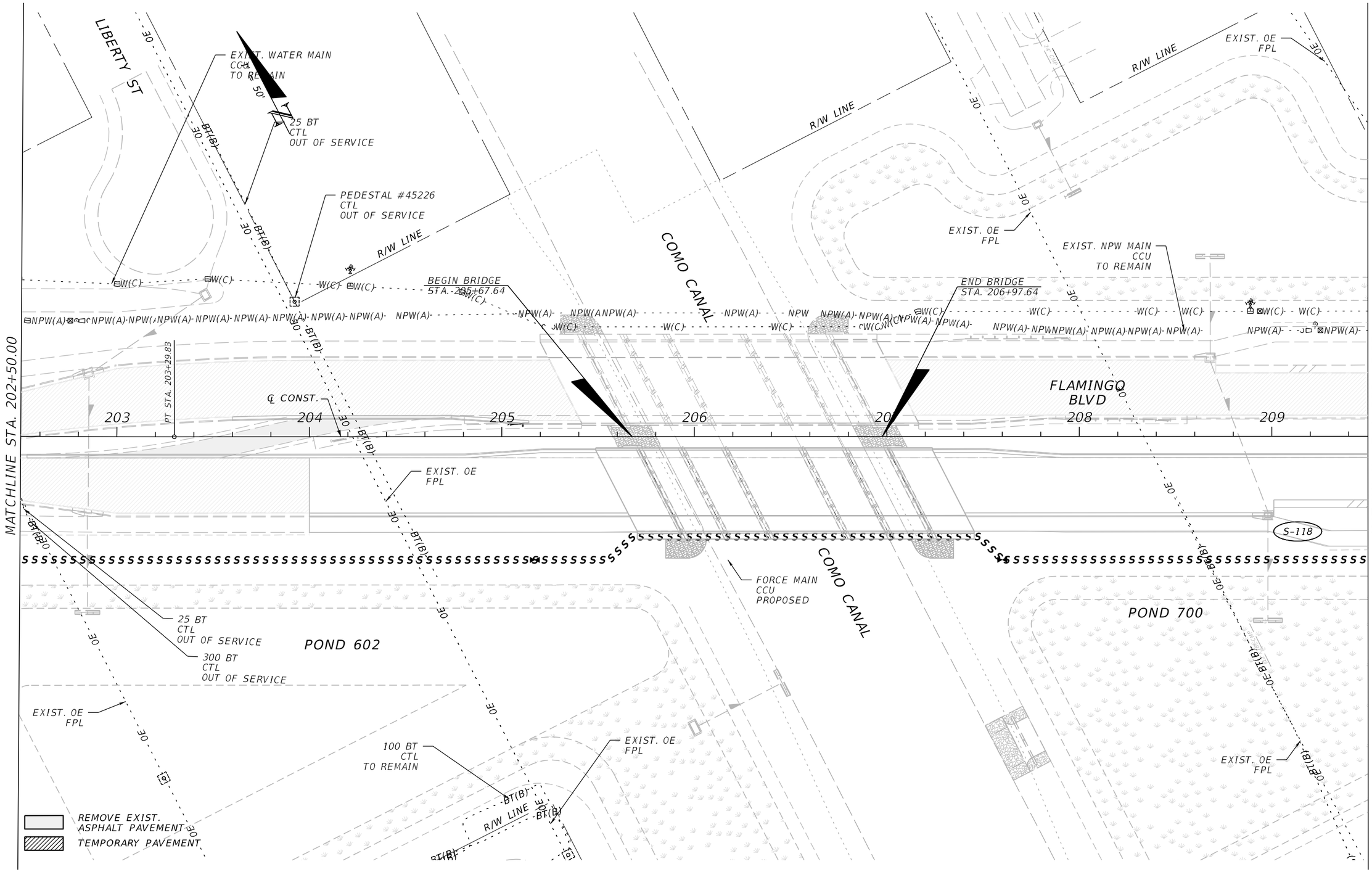
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA.195+50 TO STA. 202+50

SHEET NO.
158

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

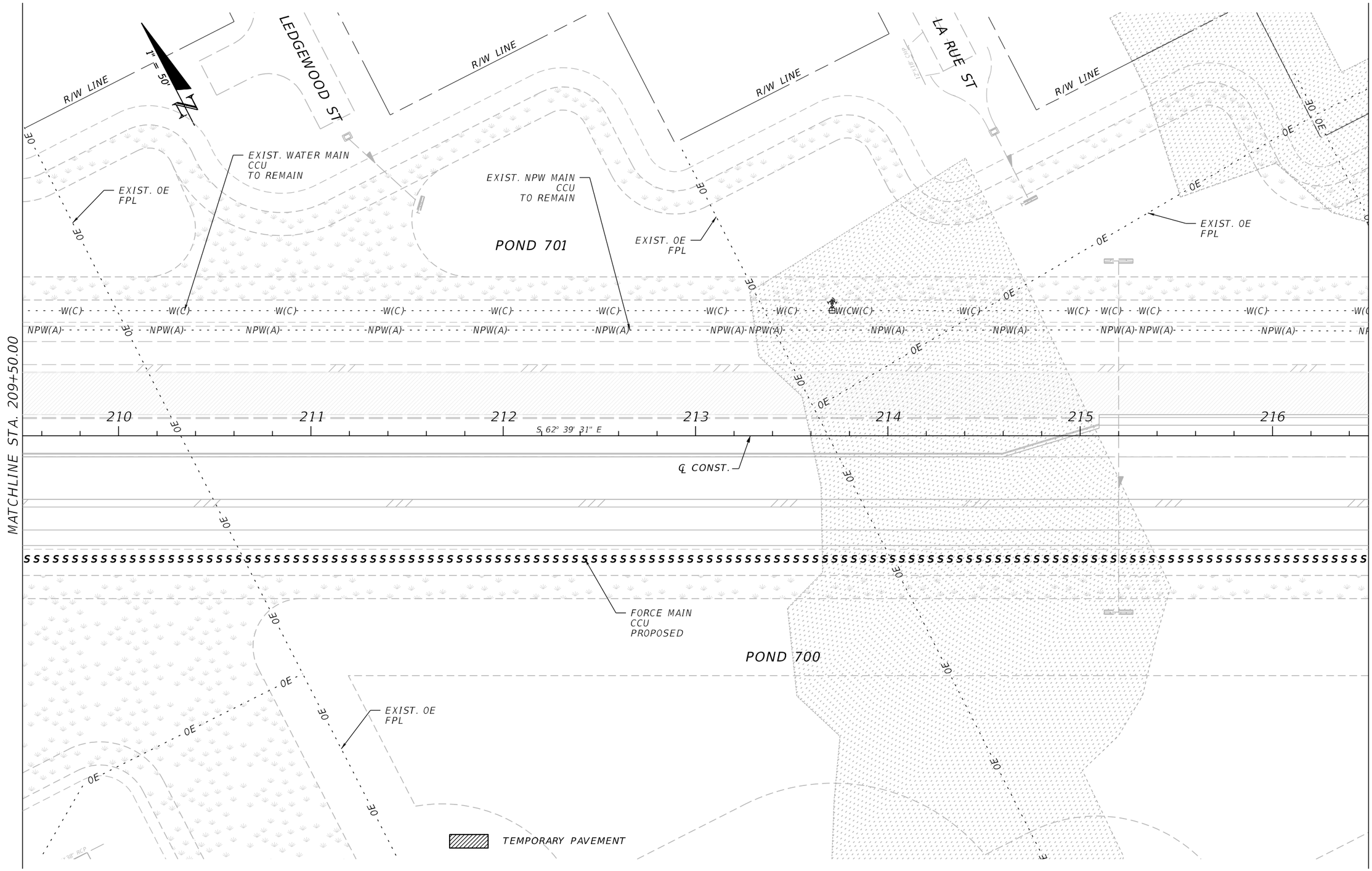
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 202+50 TO STA. 209+50

SHEET NO.
159



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

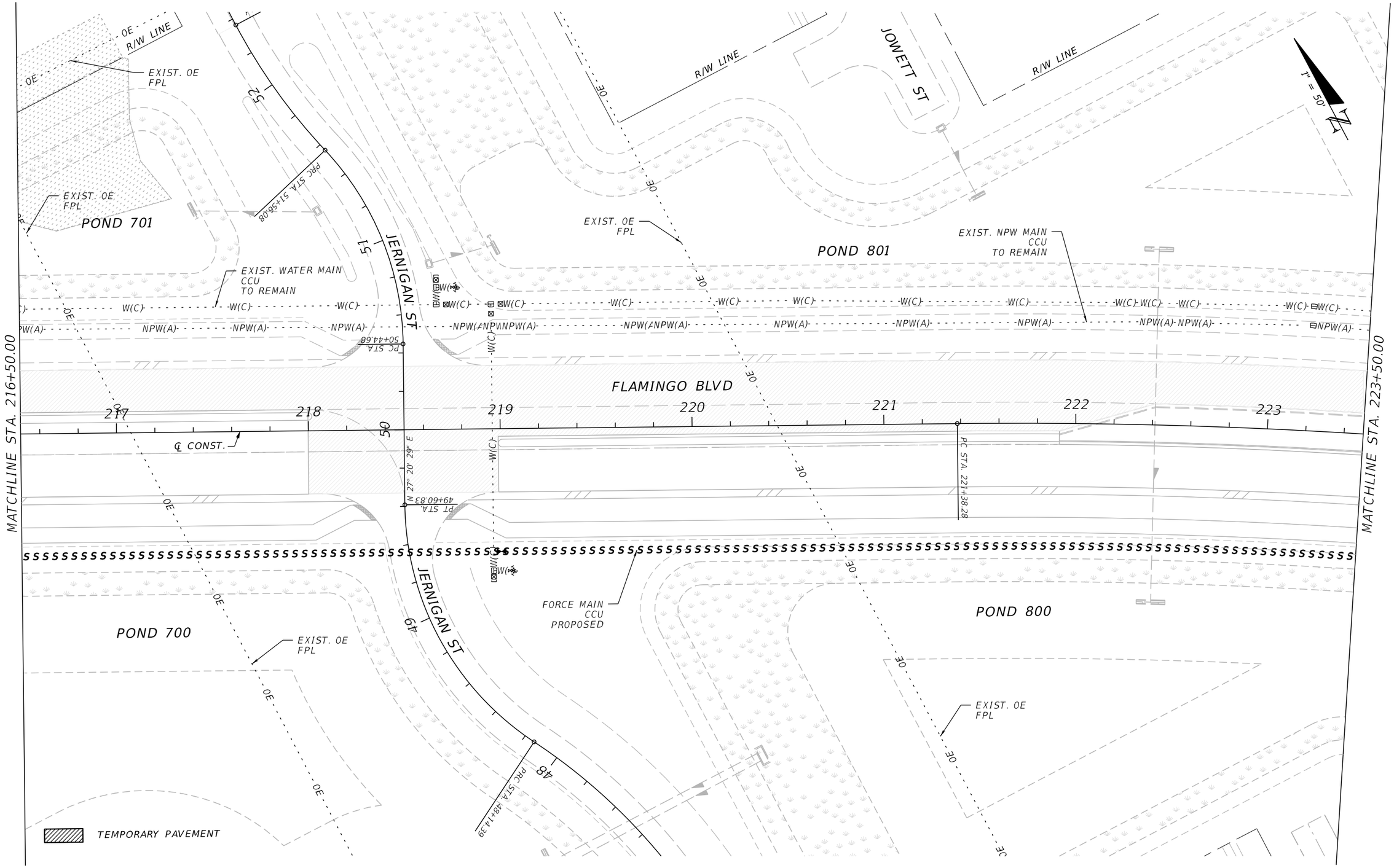
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 209+50 TO STA. 216+50

SHEET NO.
160



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

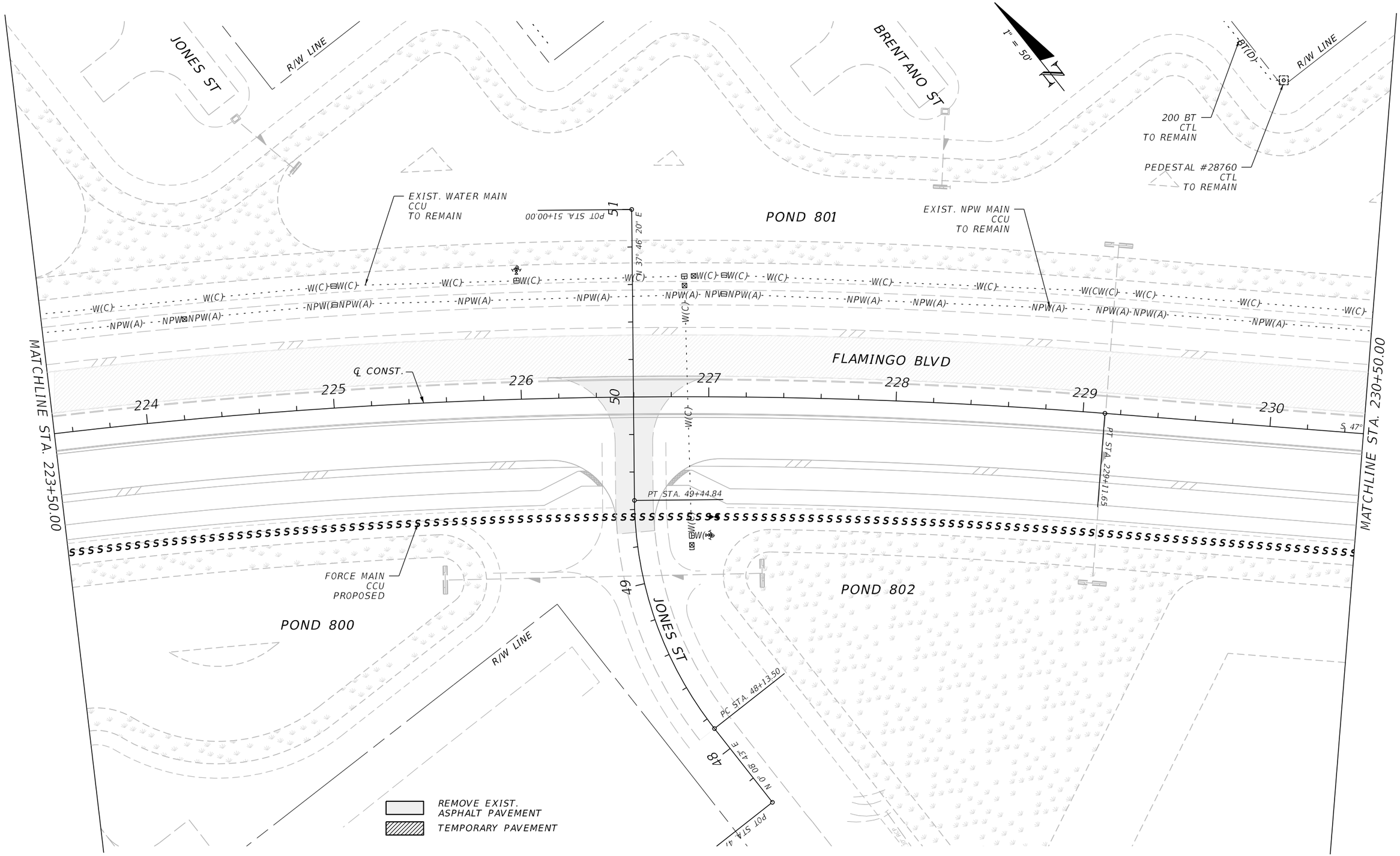
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 216+50 TO STA. 223+50

SHEET NO. 161



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

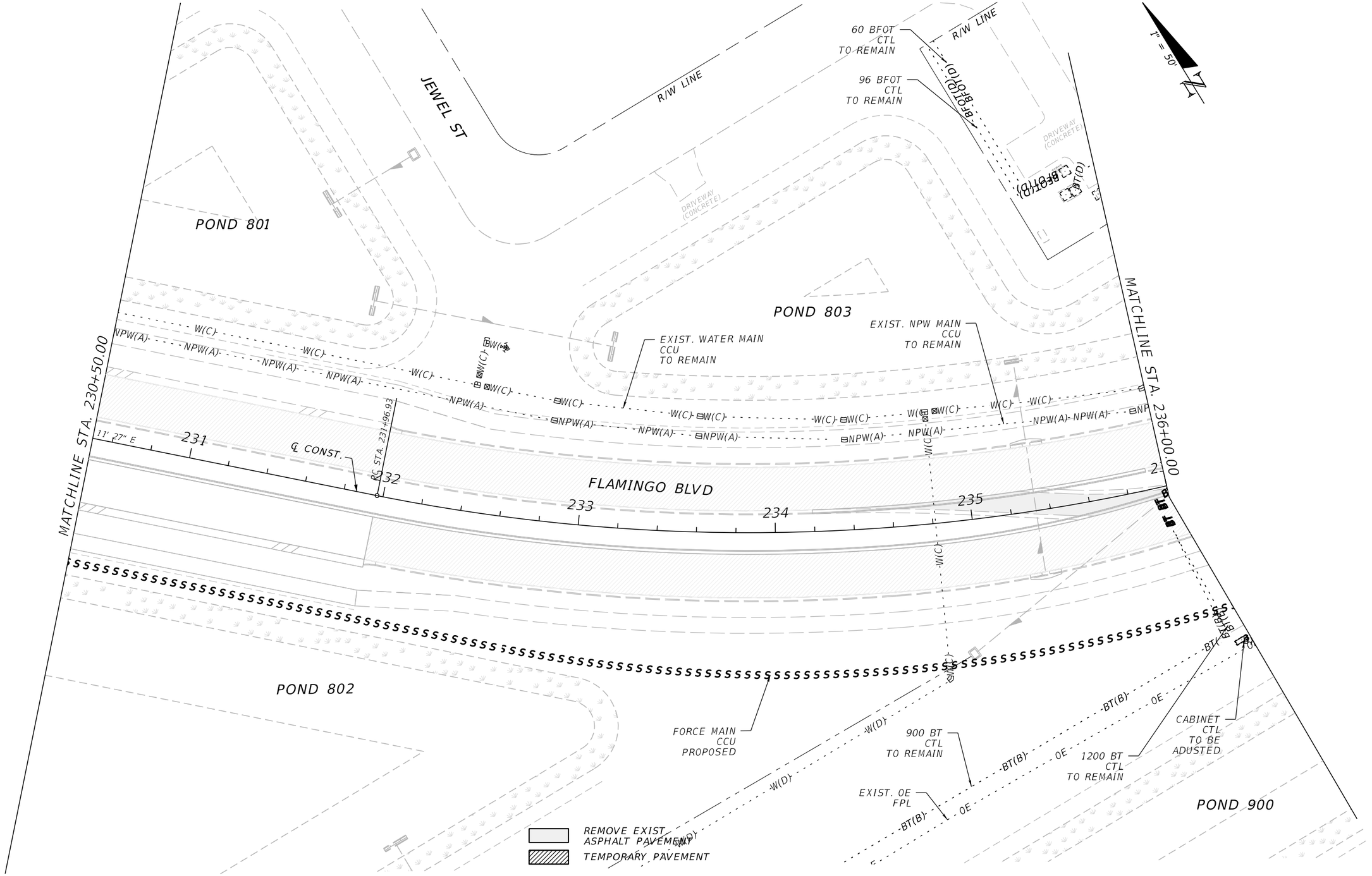
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 223+50 TO STA. 230+50

SHEET NO.
162



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

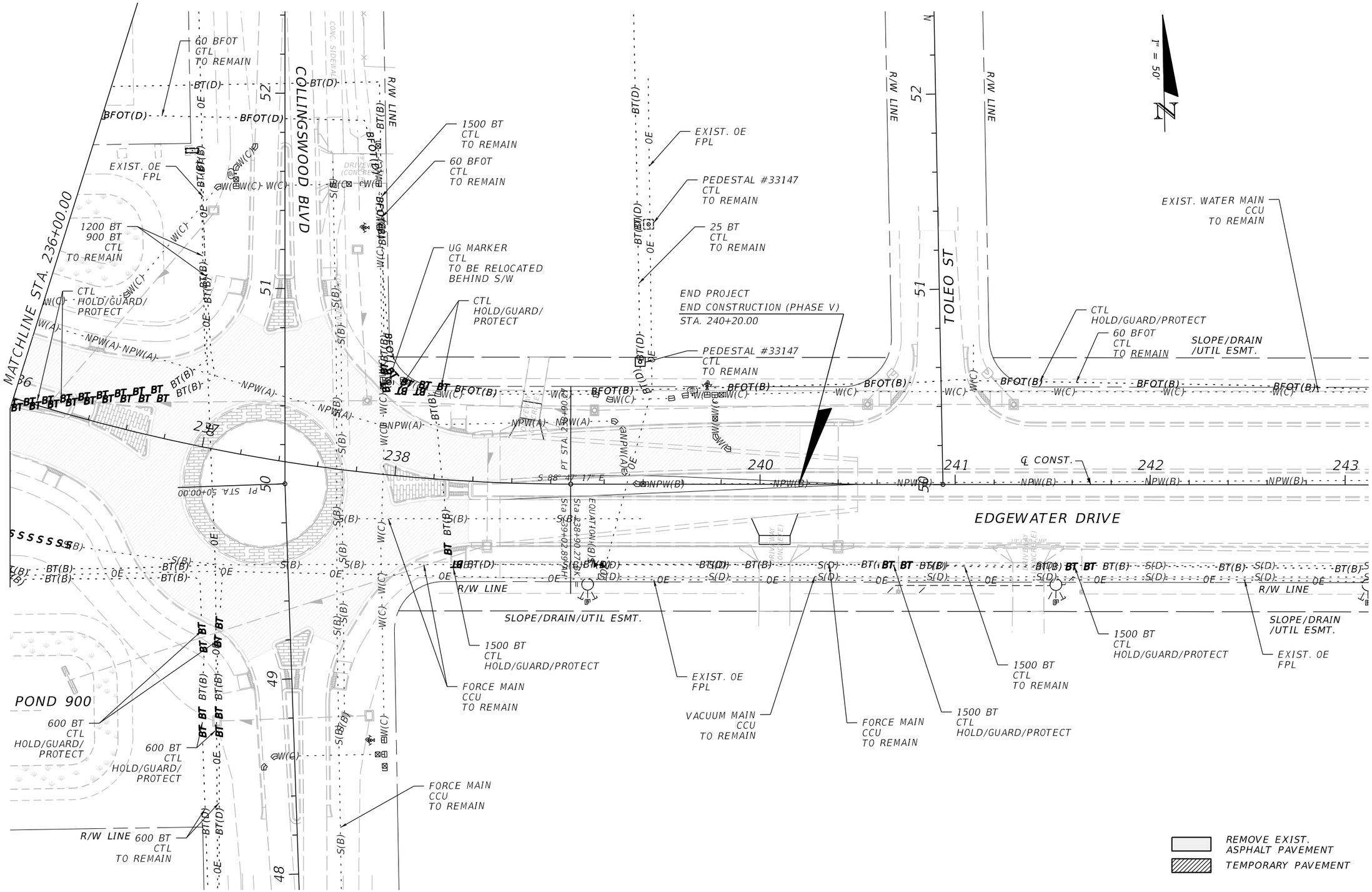
JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 230+50 TO STA. 236+00

SHEET NO. 163



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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

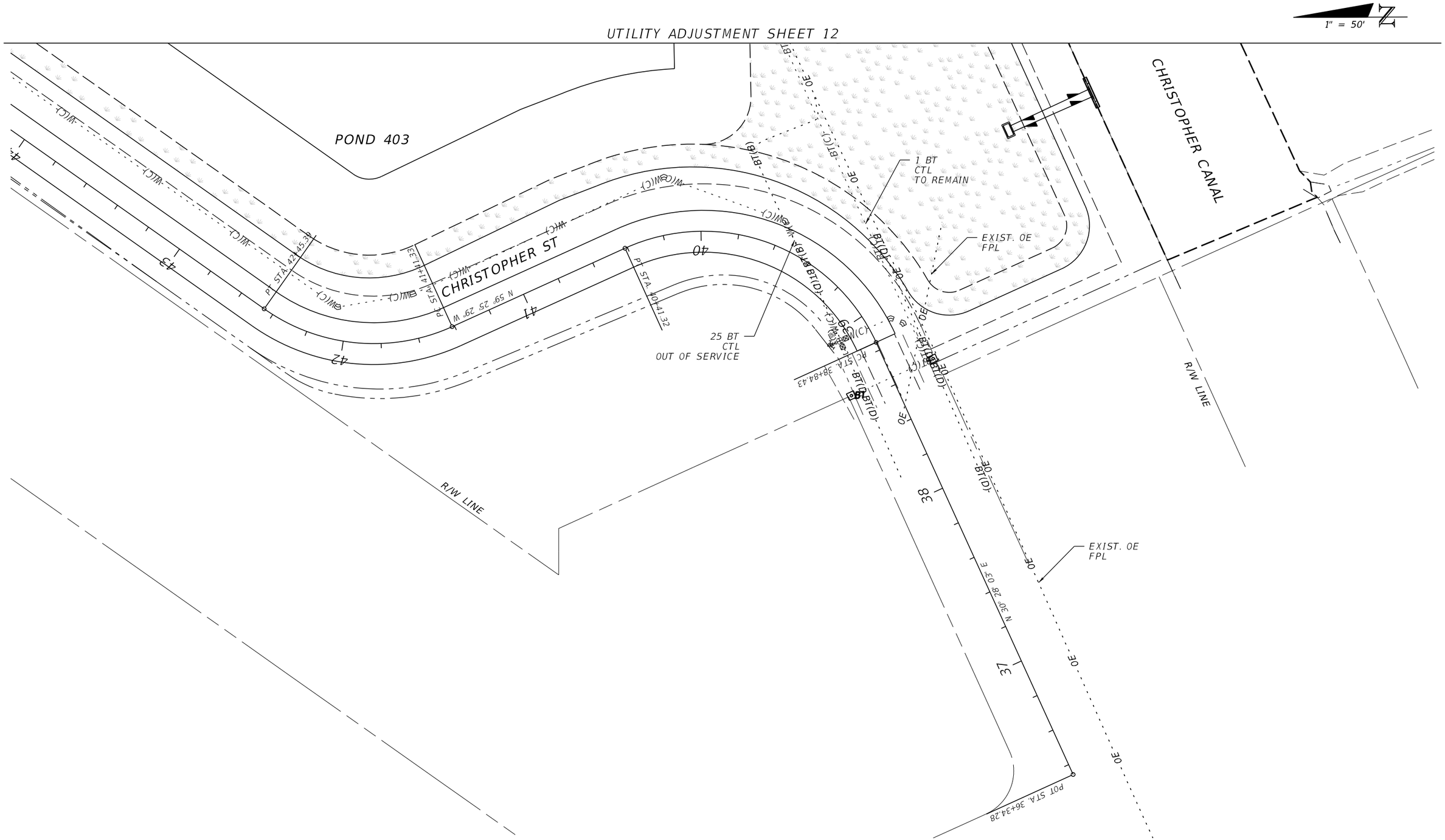
CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS
STA. 236+00 TO STA. 243+12

SHEET NO. 164

UTILITY ADJUSTMENT SHEET 12



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

UTILITY ADJUSTMENTS CHRISTOPHER ROAD

SHEET NO. 165

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	AREA ID	SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		CONSTRUCTION REMARKS
			104 10 3		104 11		
STA. TO STA.			LF		LF		
			P	F	P	F	
100+16.09 to 102+99.66	LT		400.6				
101+06.13 to 106+33.39	RT		1033.0				
103+50.66 to 113+76.23	LT		1037.6				
104+17.22 to 113+60.24	RT		925.5				
113+24.08 to 113+30.41	RT		140.7				
113+59.65 to 113+60.24	RT		99.8				
113+74.03 to 113+80.46	RT		143.0				
113+98.23 to 125+46.17	LT		1147.9				
114+10.24 to 127+70.87	RT		1610.6				
125+68.17 to 131+31.03	LT		562.9				
127+70.09 to 127+70.87	RT		131.4				
127+83.46 to 127+88.30	RT		148.1				
128+21.01 to 141+08.66	RT		1287.6				
128+33.43 to 128+38.27	RT		148.1				
131+53.03 to 143+10.09	LT		1157.1				
134+91.89 to 140+66.15	RT		595.8				
135+05.21 to 140+79.48	RT		595.8				
140+66.15 to 140+69.82	RT		6.4				
140+69.82 to 140+80.15	RT		359.6				
140+79.48 to 141+19.80	RT		70.0				
140+80.25 to 141+08.66	RT		302.5				
141+19.80 to 141+30.13	RT		359.6				
141+30.03 to 141+44.74	RT		156.6				
141+44.74 to 145+61.98	RT		542.2				
143+32.09 to 143+46.70	LT		114.1				
143+46.70 to 154+88.18	LT		1461.2				
146+11.98 to 154+84.60	RT		932.3				
155+08.48 to 160+81.51	RT		573.0				
155+12.18 to 157+99.08	LT		468.7				
158+19.08 to 171+39.08	LT		1320.0				
161+31.51 to 169+81.88	RT		912.3				
169+81.88 to 171+37.37	RT		155.5				
171+37.37 to 171+37.43	RT		125.0				
171+59.43 to 172+12.35	RT		52.9				
171+60.04 to 172+13.20	LT		53.2				
172+13.20 to 177+00.00	LT		456.7				
172+13.20 to 179+30.45	RT		772.8				
177+00.75 to 177+20.79	LT		20.3				
177+20.00 to 178+36.73	LT		110.4				
178+36.76 to 178+56.81	LT		19.0				
180+26.02 to 181+57.95	RT		142.2				
180+36.69 to 181+39.01	LT		96.6				
181+73.35 to 197+19.33	LT		1570.9				
181+76.49 to 190+49.96	RT		875.7				
191+50.01 to 193+41.69	RT		191.7				
193+41.69 to 193+94.83	RT		57.2				
		SUB-TOTAL:	23444.1				
		TOTAL:	31964		1401		

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION	SIDE	AREA ID	SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		CONSTRUCTION REMARKS
			104 10 3		104 11		
STA. TO STA.			LF		LF		
			P	F	P	F	
193+94.51 to 194+79.41	RT		84.9				
194+79.41 to 196+22.15	RT		143.1				
196+22.15 to 196+82.29	RT		64.8				
197+19.33 to 197+35.01	LT		16.1				
197+73.85 to 197+90.03	LT		16.2				
197+90.03 to 205+19.94	LT		762.2				
240+20.34 R2 to 240+20.34 R2	LT		8.0				
196+98.75 to 197+19.10	RT		42.4				
197+19.10 to 197+34.62	RT		16.1				
197+72.62 to 197+88.11	RT		16.1				
197+88.11 to 201+12.57	RT		366.1				
201+12.57 to 201+27.09	RT		16.1				
201+64.42 to 201+80.31	RT		16.1				
201+80.31 to 201+94.18	RT		43.9				
201+94.18 to 206+08.49	RT		415.2				
206+53.36 to 208+84.12	LT		230.8				
207+18.97 to 218+43.40	RT		1124.4				
208+84.12 to 209+00.55	LT		16.9				
209+00.55 to 218+36.07	LT		935.5				
218+59.65 to 221+38.28	LT		278.6				
218+64.00 to 226+50.14	RT		773.6				
221+38.28 to 237+03.61	LT		1585.3				
226+70.72 to 237+48.36	RT		1146.7				
237+44.94 to 238+65.41	LT		152.0				
237+81.03 to 238+40.42	RT		115.2				
238+75.74 to 240+20.34 R2	LT		133.2				
112+98.91 to 113+98.74	RT				100.0		
112+98.91 to 113+98.74	RT				100.0		
127+58.30 to 128+58.13	RT				100.0		
127+58.30 to 128+58.13	RT				100.0		
134+64.22 to 134+94.45	RT				100.0		
134+75.81 to 135+06.05	RT				100.0		
178+74.96 to 179+82.97	LT				100.0		
178+79.56 to 179+86.22	LT				100.0		
179+38.88 to 180+27.71	RT				100.0		
179+41.74 to 180+29.61	RT				100.0		
205+21.13 to 206+10.36	LT				100.3		
205+27.06 to 206+16.29	LT				100.3		
206+45.61 to 207+34.84	RT				100.3		
206+51.54 to 207+40.77	RT				100.3		
		SUB-TOTAL:	8519.5		1401.2		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-1

SUMMARY OF EARTHWORK

PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY P	QUANTITY F	DESIGN NOTES	CONSTRUCTION REMARKS
120 1	EXCAVATION	CY				
	EDGEWATER DRIVE		17,449.0			
	POND 100		5,030.9			
	POND 101		5,011.0			
	POND 102		37,046.1			
	POND 200		64,990.8			
	POND 300		82,398.2			
	POND 301		210,541.1			
	POND 302		4,192.5			
	POND 303		8,969.4			
	POND 400		30,719.6			
	POND 402		49,955.9			
	TOTAL:		516,305			
120 6	EMBANKMENT	CY				
	EDGEWATER DRIVE		52,846.0			
	POND 100		0.0			
	POND 101		7.5			
	POND 102		2.2			
	POND 200		8.7			
	POND 300		102.7			
	POND 301		855.2			
	POND 302		7.8			
	POND 303		34.8			
	POND 400		0.2			
	POND 402		0.3			
	TOTAL:		53,866			

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REVISIONS			
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JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-2

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
160 4	TYPE B STABILIZATION	103+57.99 to 113+68.99	LT	39894	SY	975.8		94939		SIDEWALK	
		103+66.85 to 113+68.15	RT	39911		955.7				SIDEWALK	
		103+67.29 to 113+59.55	LT	40225		1089.0				SHOULDER	
		103+76.08 to 113+58.71	RT	40238		1071.3				SHOULDER	
		114+03.92 to 127+79.05	RT	39933		1320.9				SIDEWALK	
		114+04.75 to 125+39.19	LT	39928		1089.1				SIDEWALK	
		114+13.07 to 127+69.89	RT	40258		1491.3				SHOULDER	
		114+13.91 to 125+30.04	LT	40251		1222.0				SHOULDER	
		125+74.70 to 131+24.05	LT	39938		525.8				SIDEWALK	
		125+83.85 to 131+14.90	LT	40265		571.9				SHOULDER	
		128+14.55 to 154+78.23	RT	39943		2601.4				SIDEWALK	
		128+23.71 to 152+14.47	RT	40272		2648.3				SHOULDER	
		131+59.56 to 143+03.12	LT	39978		1097.9				SIDEWALK	
		131+68.71 to 142+93.96	LT	40281		1232.1				SHOULDER	
		141+05.12 to 141+05.12	RT	40634		48929.4				ROADWAY	
		143+38.62 to 154+78.79	LT	39983		1129.5				SIDEWALK	
		143+47.78 to 152+14.47	LT	40288		953.9				SHOULDER	
		155+17.91 to 160+91.24	RT	40008		583.6				SIDEWALK	
		155+18.83 to 157+91.18	LT	40033		296.1				SIDEWALK	
		157+82.47 to 160+82.08	RT	40294		324.7				SHOULDER	
		158+24.25 to 167+99.87	LT	40066		937.6				SIDEWALK	
		158+31.99 to 167+99.54	LT	40301		1066.8				SHOULDER	
		161+24.74 to 171+30.68	RT	40061		965.4				SIDEWALK	
		161+33.90 to 171+21.52	RT	40307		1081.0				SHOULDER	
		171+66.18 to 178+92.35	RT	40069		725.1				SIDEWALK	
		171+75.34 to 177+00.00	RT	40314		595.6				SHOULDER	
		180+46.70 to 196+34.58	LT/RT	40894		3852.6				ROADWAY	
		180+52.31 to 181+45.16	RT	40218		84.1				SIDEWALK	
		181+21.24 to 182+09.21	LT	40887		22.6				ROADWAY	
		181+81.04 to 193+44.88	RT	40089		1119.7				SIDEWALK	
		181+88.15 to 193+44.51	RT	40325		1277.5				SHOULDER	
		194+24.92 to 195+80.00	LT	40924		40.2				ROADWAY	
		202+53.33 to 205+66.53	RT	40929		631.7				ROADWAY	
		203+59.93 to 205+14.02	LT	40940		39.9				ROADWAY	
		204+00.00 to 205+70.38	RT	40094		156.1				SIDEWALK	
		207+23.73 to 217+99.87	LT/RT	40949		3671.3				ROADWAY	
		207+41.53 to 218+35.26	RT	40100		1036.1				SIDEWALK	
		209+01.03 to 218+26.11	RT	40334		1019.1				SHOULDER	
		218+70.66 to 226+43.16	RT	40108		731.6				SIDEWALK	
		218+79.81 to 226+33.93	RT	40343		814.3				SHOULDER	
		218+98.91 to 236+27.70	RT	40962		3853.4				ROADWAY	
		226+14.44 to 227+05.21	LT	40987		20.2				ROADWAY	
		226+77.44 to 231+96.93	RT	40117		494.2				SIDEWALK	
		226+86.66 to 231+96.93	RT	40352		555.5				SHOULDER	
		234+19.08 to 235+91.12	LT	40992		37.8				ROADWAY	
285 706	OPTIONAL BASE, BASE GROUP 06	103+68.72 to 113+57.64	LT	41121	SY	472.7		9983		SHOULDER	
		103+78.75 to 113+56.80	RT	41130		463.8				SHOULDER	
		113+40.16 to 114+31.90	RT	63131		302.5				NIXON AVE	
		113+41.00 to 114+32.74	LT	63123		236.8				NIXON AVE	
		114+15.30 to 127+67.67	RT	41144		645.8				SHOULDER	

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-3

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
285 706	OPTIONAL BASE, BASE GROUP 06 (CONT'D)	114+16.13 to 125+27.81	LT	41139	SY	529.9				SHOULDER	
		125+10.95 to 126+02.95	LT	63139		235.4				ARTHUR AVE	
		125+86.08 to 131+12.67	LT	41149		248.3				SHOULDER	
		127+50.80 to 128+42.80	RT	63147		302.9				JOPPA AVE	
		128+25.93 to 152+14.47	RT	41164		1147.3				SHOULDER	
		130+95.81 to 131+87.81	LT	63154		234.5				GREENAN AVE	
		131+70.94 to 142+91.74	LT	41154		534.3				SHOULDER	
		142+74.87 to 143+66.87	LT	63161		232.7				CARSON AVE	
		143+50.00 to 152+14.47	LT	41159		413.6				SHOULDER	
		157+64.47 to 158+53.86	LT	63206		214.7				ALVIN AVE	
		157+82.47 to 160+79.86	RT	41169		140.5				SHOULDER	
		158+36.99 to 167+99.54	LT	41175		460.8				SHOULDER	
		160+62.99 to 161+52.99	RT	63213		428.6				GERANIUM AVE	
		161+36.12 to 171+19.30	RT	41180		468.1				SHOULDER	
		171+02.43 to 171+94.43	RT	63223		144.0				CHRISTOPHER AVE	
		171+77.56 to 177+00.00	RT	41185		257.5				SHOULDER	
		181+25.44 to 182+09.21	RT	63229		133.3				JESSICA TER	
		181+93.05 to 193+44.51	RT	41192		552.0				SHOULDER	
		209+01.03 to 218+23.88	RT	41272		441.7				SHOULDER	
		218+82.04 to 226+31.28	RT	41277		352.5				SHOULDER	
		226+14.09 to 227+06.50	RT	63236		148.0				JONES ST	
		226+89.32 to 231+96.93	RT	41284		240.4				SHOULDER	
285 709	OPTIONAL BASE, BASE GROUP 09	141+03.20 to 141+03.20	RT	67828	SY	42787.3		53465		FLAMINGO RD	
		180+46.95 to 193+44.51	RT	63499		3277.7				FLAMINGO RD	
		204+00.00 to 205+65.50	RT	42237		518.2				ROADWAY	
		207+24.41 to 217+99.87	LT/RT	42244		3496.2				ROADWAY	
		218+98.91 to 231+96.93	RT	63511		3385.9				FLAMINGO RD	
327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	100+02.54 to 103+54.54	LT/RT	42307	SY	3318.2		28423		FLAMINGO RD	
		167+99.54 to 178+72.48	LT	42331		2687.5				FLAMINGO RD	
		192+86.19 to 192+86.19	LT	42344		10847.5				FLAMINGO RD	
		223+52.43 to 223+52.43	RT	42434		11569.6				FLAMINGO RD	
331 2A	TYPE S-I ASPHALT CONCRETE, 3"	141+03.61 to 141+03.61	RT	65900	TN	6823.86		8543.2		FLAMINGO RD	
		180+46.95 to 193+44.51	RT	66113		540.81				FLAMINGO RD	
		204+00.00 to 205+65.50	RT	66954		85.50				FLAMINGO RD	
		207+24.41 to 217+99.87	LT/RT	66213		547.80				FLAMINGO RD	
		215+09.87 to 217+99.87	LT	66225		7.97				FLAMINGO RD	
		218+98.91 to 231+96.93	RT	66230		537.26				FLAMINGO RD	
331 2A	TYPE S-I ASPHALT CONCRETE, 1.5"	113+40.16 to 114+31.90	RT	66880	TN	24.95		215.6		NIXON AVE	
		113+41.00 to 114+32.74	LT	66872		19.54				NIXON AVE	
		125+10.95 to 126+02.95	LT	66888		19.42				ARTHUR AVE	
		127+50.80 to 128+42.80	RT	66895		24.99				JOPPA AVE	
		130+95.81 to 131+87.81	LT	66902		19.35				GREENAN AVE	
		142+74.87 to 143+66.87	LT	66909		19.20				CARSON AVE	
		157+64.47 to 158+53.86	LT	66916		17.71				ALVIN AVE	
		160+62.99 to 161+52.99	RT	66923		35.36				GERANIUM AVE	
		171+02.43 to 171+94.43	RT	66933		11.88				CHRISTOPHER ST	
		181+25.44 to 182+09.21	RT	66938		11.00				JESSICA TER	
		226+14.09 to 227+06.50	RT	66945		12.21				JONES ST	
331 2B	TYPE S-III ASPHALT CONCRETE, 1.5"	100+02.54 to 103+54.54	LT/RT	67497	TN	273.75		6566.2		RESURFACING	
		103+69.33 to 113+57.01	LT	43458		35.97				SHOULDER	

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-4

SUMMARY OF PAVEMENT

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY P	QUANTITY F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
331 2B	TYPE S-III ASPHALT CONCRETE, 1.5"	103+79.39 to 113+56.18	RT	43471	TN	35.29				SHOULDER	
		113+40.16 to 114+31.90	RT	67532		24.95				NIXON AVE	
		113+41.00 to 114+32.74	LT	67521		19.54				NIXON AVE	
		114+15.92 to 127+67.05	RT	43485		49.15				SHOULDER	
		114+16.75 to 125+27.19	LT	43480		40.33				SHOULDER	
		125+10.95 to 126+02.95	LT	67542		19.42				ARTHUR AVE	
		125+86.70 to 131+12.05	LT	43491		18.88				SHOULDER	
		127+50.80 to 128+42.80	RT	67549		24.99				JOPPA AVE	
		128+26.55 to 152+14.47	RT	43496		87.36				SHOULDER	
		130+95.81 to 131+87.81	LT	67556		19.35				GREENAN AVE	
		131+71.56 to 142+91.12	LT	43503		40.66				SHOULDER	
		141+03.41 to 141+03.41	LT	63538		3371.08				FLAMINGO RD	
		142+74.87 to 143+66.87	LT	67563		19.20				CARSON AVE	
		143+50.62 to 152+14.47	LT	43508		31.48				SHOULDER	
		154+97.39 to 154+97.39	LT	67590		51.14				WINTERGARDEN AVE	
		154+99.51 to 154+99.51	RT	67609		51.17				WINTERGARDEN AVE	
		157+64.47 to 158+53.86	LT	67628		17.71				ALVIN AVE	
		157+82.47 to 160+79.24	RT	43519		10.69				SHOULDER	
		158+37.61 to 167+99.54	LT	43514		35.08				SHOULDER	
		160+62.99 to 161+52.99	RT	67657		35.36				GERANIUM AVE	
		161+36.74 to 171+18.68	RT	43525		35.62				SHOULDER	
		167+99.54 to 178+72.48	LT	42974		221.72				RESURFACE	
		171+02.43 to 171+94.43	RT	67666		11.88				CHRISTOPHER ST	
		171+78.18 to 177+00.00	RT	43530		19.59				SHOULDER	
		180+46.95 to 193+44.51	RT	63649		270.41				FLAMINGO RD	
		181+25.44 to 182+09.21	RT	67679		11.00				JESSICA TER	
		181+93.67 to 193+44.51	RT	43538		42.03				SHOULDER	
		203+99.88 to 205+65.50	RT	67971		42.77				FLAMINGO RD	
		207+24.41 to 217+99.87	LT/RT	43397		273.90				ROADWAY	
		209+01.03 to 218+23.26	RT	43625		33.62				SHOULDER	
		218+82.66 to 226+30.65	RT	43631		26.82				SHOULDER	
		218+98.91 to 231+96.93	RT	63661		279.34				FLAMINGO RD	
		223+52.03 to 223+52.03	RT	43080		954.43				RESURFACE	
		226+14.09 to 227+06.50	RT	67686		12.21				JONES ST	
		226+89.95 to 231+96.93	RT	43639		18.29				SHOULDER	
350 30 13	CONCRETE PAVEMENT FOR ROUNDABOUT APRON, 10" DEPTH	154+48.72 to 155+48.22	LT/RT	43723	SY	255.50		256		ROUNDABOUT	
523 3	PATTERNED PAVEMENT	153+96.47 to 154+27.91	LT/RT	62347	SY	64.9		169		SPLITTER ISLAND	
		154+87.97 to 155+07.57	LT	62358		23.2				SPLITTER ISLAND	
		154+89.49 to 155+08.50	RT	62368		22.5				SPLITTER ISLAND	
		155+69.12 to 156+00.47	LT/RT	62338		58.2				SPLITTER ISLAND	

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REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-5

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
520 1 10	CONCRETE CURB & GUTTER, TYPE F	107+56.75 to 108+56.72	RT		LF	100.0			100.0		18040			
		107+56.75 to 108+56.90	LT/RT			102.5			102.5					
		108+56.71 to 109+96.28	RT			139.6			139.6					
		108+56.92 to 110+46.58	LT			189.7			189.7					
		109+96.28 to 110+46.58	LT/RT			54.4			54.4					
		117+26.27 to 117+76.49	LT/RT			52.4			52.4					
		117+26.27 to 127+51.52	RT			1025.3			1025.3					
		117+76.49 to 130+91.70	LT			1315.2			1315.2					
		127+51.52 to 128+01.52	LT/RT			51.4			51.4					
		128+01.52 to 130+91.70	LT			290.2			290.2					
		130+91.70 to 130+91.70	LT			11.0			11.0					
		131+75.63 to 131+77.59	LT			8.9			8.9					
		131+75.63 to 132+16.78	LT/RT			43.7			43.7					
		131+77.59 to 153+76.48	LT			2198.9			2198.9					
		132+16.78 to 152+14.47	RT			1997.7			1997.7					
		152+14.47 to 152+20.47	LT			6.1			6.1					
		152+14.47 to 152+20.48	RT			6.1			6.1					
		152+14.47 to 153+44.54	RT			130.4			130.4					
		152+20.47 to 153+81.78	LT			161.3		21.0	140.3					
		152+20.48 to 153+47.79	RT			127.7		10.5	117.2					
		153+44.54 to 153+81.86	RT			37.4			37.4					
		153+47.79 to 153+97.51	RT			50.2		10.5	39.7					
		153+76.48 to 153+81.94	LT			5.5			5.5					
		153+81.78 to 154+35.72	LT			60.6			60.6					
		153+81.86 to 153+82.97	LT/RT			1.7			1.7					
		153+81.94 to 153+82.97	LT			1.6			1.6					
		153+82.97 to 153+82.97	LT			8.3			8.3					
		153+95.97 to 153+95.97	LT/RT			12.1			12.1					
		153+95.97 to 153+96.76	RT			1.4			1.4					
		153+95.97 to 153+96.84	LT			1.4			1.4					
		153+96.76 to 154+26.29	RT			31.2			31.2					
		153+96.84 to 154+23.10	LT			27.0			27.0					
		153+97.51 to 154+30.04	RT			40.1			40.1					
		154+23.10 to 154+25.06	LT			2.9			2.9					
		154+25.06 to 154+28.35	LT/RT			26.9			26.9					
		154+26.29 to 154+28.35	RT			3.4			3.4					
		154+30.04 to 154+51.07	RT			29.1			29.1					
		154+35.72 to 154+49.51	LT			18.3			18.3					
		154+49.51 to 154+80.88	LT			68.3			68.3					
		154+51.07 to 154+76.60	RT			43.6			43.6					
		154+76.60 to 154+79.37	RT			17.9			17.9					
		154+79.34 to 154+80.16	RT			6.1			6.1					
		154+79.37 to 154+80.16	RT			51.8			51.8					
		154+80.88 to 154+82.38	LT			47.1			47.1					
		154+81.65 to 154+82.38	LT			6.1			6.1					
		154+87.63 to 154+89.25	LT			3.3			3.3					
		154+87.63 to 154+92.73	LT			14.1			14.1					
		154+89.02 to 154+90.42	RT			2.9			2.9					
		154+89.02 to 154+92.52	RT			12.1			12.1					
		154+89.25 to 155+06.63	LT			17.5			17.5					

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-7

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	154+90.42 to 155+07.33	RT		LF	17.0			17.0					
		154+92.52 to 154+93.49	RT			1.4			1.4					
		154+92.73 to 154+93.69	LT			1.3			1.3					
		154+93.49 to 155+02.92	RT			9.4			9.4					
		154+93.69 to 155+03.58	LT			9.9			9.9					
		154+94.27 to 154+94.27	RT			0.4			0.4					
		154+94.27 to 154+95.25	RT			63.7			63.7					
		154+94.27 to 154+95.27	RT			1.6			1.6					
		154+95.25 to 154+99.25	RT			6.2			6.2					
		154+95.27 to 155+00.21	RT			4.9			4.9					
		154+95.43 to 154+95.64	LT			3.8			3.8					
		154+95.43 to 154+96.42	LT			1.7			1.7					
		154+95.64 to 154+97.56	LT			60.2			60.2					
		154+96.42 to 155+01.83	LT			5.4			5.4					
		154+97.56 to 154+99.55	LT			3.1			3.1					
		154+99.25 to 155+00.99	RT			60.0			60.0					
		154+99.55 to 155+01.56	LT			3.1			3.1					
		155+00.21 to 155+01.20	RT			1.7			1.7					
		155+00.99 to 155+01.20	RT			4.0			4.0					
		155+01.56 to 155+02.83	LT			64.0			64.0					
		155+01.83 to 155+02.83	LT			1.6			1.6					
		155+02.92 to 155+03.89	RT			1.3			1.3					
		155+03.58 to 155+04.56	LT			1.4			1.4					
		155+03.89 to 155+08.95	RT			14.0			14.0					
		155+04.56 to 155+08.04	LT			12.1			12.1					
		155+06.63 to 155+08.04	LT			2.9			2.9					
		155+07.33 to 155+08.95	RT			3.3			3.3					
		155+14.42 to 155+15.16	RT			6.1			6.1					
		155+14.42 to 155+15.77	RT			46.7			46.7					
		155+15.77 to 155+17.78	RT			15.3			15.3					
		155+16.67 to 155+17.47	LT			6.1			6.1					
		155+16.67 to 155+17.71	LT			52.2			52.2					
		155+17.71 to 155+45.94	LT			61.1			61.1					
		155+17.78 to 155+47.28	RT			53.4			53.4					
		155+45.94 to 155+66.91	LT			29.0			29.0					
		155+47.28 to 155+61.22	RT			18.5			18.5					
		155+61.22 to 156+15.16	RT			60.6			60.6					
		155+66.91 to 155+99.43	LT			40.0			40.0					
		155+68.67 to 155+70.65	LT			3.6			3.6					
		155+68.67 to 155+75.89	LT/RT			26.5			26.5					
		155+70.65 to 156+00.19	LT			31.2			31.2					
		155+75.89 to 155+77.79	RT			2.6			2.6					
		155+77.79 to 156+00.11	RT			22.8			22.8					
		155+99.43 to 156+49.16	LT			50.2			50.2					
		156+00.11 to 156+00.97	RT			1.4			1.4					
		156+00.19 to 156+00.97	LT			1.4			1.4					
		156+00.97 to 156+00.97	LT/RT			12.1			12.1					
		156+13.97 to 156+13.97	RT			8.3			8.3					
		156+13.97 to 156+15.01	RT			1.6			1.6					
		156+13.97 to 156+15.09	LT/RT			1.7			1.7					

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	156+15.01 to 156+20.47	RT		LF	5.5			5.5					
		156+15.09 to 156+52.41	LT			37.4			37.4					
		156+15.16 to 157+82.47	RT			167.3		21.0	146.3					
		156+20.47 to 167+49.29	RT			1128.8			1128.8					
		156+49.16 to 157+64.44	LT			115.7		10.5	105.2					
		156+52.41 to 157+82.47	LT			130.4			130.4					
		157+64.44 to 157+97.35	LT			51.8			51.8					
		157+82.47 to 167+99.54	LT			1017.1			1017.1					
		157+96.47 to 157+97.35	LT			6.1			6.1					
		167+49.34 to 167+99.54	LT/RT			52.4			52.4					
		174+88.43 to 175+38.63	LT/RT			52.3			52.3					
		174+88.43 to 178+11.16	RT			325.9		10.5	315.4					
		175+38.63 to 175+41.73	LT			3.1			3.1					
		177+00.00 to 178+89.73	RT			197.9			197.9					
		178+11.16 to 178+50.71	RT			40.0		10.5	29.5					
		178+50.71 to 178+78.03	RT			27.5			27.5					
		180+46.70 to 180+74.03	RT			27.5		10.5	17.0					
		180+52.23 to 181+25.49	RT			76.4			76.4					
		180+74.02 to 181+13.57	RT			40.0			40.0					
		181+13.57 to 182+06.46	RT			93.8			93.8					
		181+21.24 to 182+06.46	LT			84.4			84.4					
		181+25.49 to 181+55.70	RT			43.8			43.8					
		181+55.64 to 181+55.70	RT			6.1			6.1					
		182+06.46 to 182+09.21	LT			2.8			2.8					
		182+06.46 to 194+79.41	RT			1273.0			1273.0					
		194+24.92 to 195+80.00	LT			155.1			155.1					
		194+79.41 to 196+15.78	RT			136.7			136.7					
		196+15.78 to 196+34.58	LT/RT			18.9			18.9					
		202+53.33 to 204+81.21	RT			227.9			227.9					
		203+59.98 to 203+98.11	LT			38.1			38.1					
		203+98.11 to 204+73.97	LT			75.9			75.9					
		204+00.00 to 205+66.27	RT			166.3			166.3					
		204+73.97 to 205+13.97	LT			40.1			40.1					
		204+81.16 to 205+21.16	RT			40.1			40.1					
		205+21.16 to 205+48.73	RT			27.6			27.6					
		207+23.73 to 207+51.30	RT			27.6			27.6					
		207+41.03 to 209+01.03	RT			160.0		10.5	149.5					
		207+51.30 to 207+91.30	RT			40.1			40.1					
		207+91.30 to 214+59.65	RT			668.4			668.4					
		214+59.65 to 215+09.87	LT/RT			52.4			52.4					
		221+91.48 to 229+11.65	RT			717.8			717.8					
		226+14.44 to 227+05.21	LT			91.1			91.1					
		229+11.65 to 231+96.93	RT			285.3			285.3					
		231+96.93 to 234+58.95	RT			264.6			264.6					
		234+19.08 to 235+91.12	LT			170.3			170.3					
		234+58.95 to 236+19.37	RT			161.8			161.8					
		236+19.37 to 236+27.68	RT			8.3			8.3					
520 2 4	CONCRETE CURB, TYPE D	154+56.90 to 154+98.34	LT		LF	197.1			197.1		261			
		154+56.90 to 154+98.34	LT			64.1			64.1					
520 2 8	CONCRETE CURB, TYPE RA	154+48.01 to 154+98.31	LT		LF	240.2			240.2		317			

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO. SQ-9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY GROSS LENGTH	DEDUCTIONS TYPE	DEDUCTIONS LENGTH	NET LENGTH P	NET LENGTH F	TOTAL P	TOTAL F	DESIGN NOTES	CONSTRUCTION REMARKS
520 2 8	CONCRETE CURB, TYPE RA (CONT'D)	154+48.01 to 154+98.31	LT		LF	77.1			77.1					
520 5 11	TRAFFIC SEPARATOR, CONCRETE,	110+46.55 to 113+36.58	LT		LF	145.0			145.0		1771			
	TYPE I, 4' WIDE	110+46.58 to 113+36.61	LT			145.0			145.0					
		113+36.58 to 113+36.61	LT			3.1			3.1					
		114+36.27 to 114+36.27	RT			3.1			3.1					
		114+36.27 to 117+26.27	RT			145.0			145.0					
		114+36.27 to 117+26.27	RT			145.0			145.0					
		167+99.54 to 170+98.77	LT			149.6			149.6					
		167+99.54 to 170+98.77	LT			149.6			149.6					
		170+98.77 to 170+98.77	LT			3.1			3.1					
		171+98.43 to 171+98.43	RT			3.1			3.1					
		171+98.43 to 172+13.20	RT			7.4			7.4					
		171+98.43 to 172+13.20	RT			7.4			7.4					
		172+13.20 to 174+88.43	RT			138.4			138.4					
		172+13.20 to 174+88.43	RT			139.0			139.0					
		215+09.87 to 217+99.87	LT			145.0			145.0					
		215+09.87 to 217+99.87	LT			145.0			145.0					
		217+99.87 to 217+99.87	LT			3.1			3.1					
		219+00.98 to 219+00.98	RT			3.1			3.1					
		219+00.98 to 221+38.28	RT			118.7			118.7					
		219+00.98 to 221+38.28	RT			118.7			118.7					
		221+38.28 to 221+91.48	RT			26.5			26.5					
		221+38.28 to 221+91.48	RT			26.6			26.6					
520 70	CONCRETE TRAFFIC SEPARATOR,	101+54.85 to 107+56.75	RT	64230	SY	333.3			333.3		333			
	SPECIAL - VARIABLE WIDTH													

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-10

SUMMARY OF SIDEWALK & DETECTABLE WARNINGS

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4" 522 1 SY P	CONC SIDEWALK 4" 522 1 SY F	CONC SIDEWALK 6" 522 2 SY P	CONC SIDEWALK 6" 522 2 SY F	DESIGN NOTES	CONSTRUCTION REMARKS
103+58.24 to 113+68.74	LT	44612			900.9					
103+69.69 to 113+67.90	RT	44629			879.6					
114+04.17 to 127+78.80	RT	44659			1219.5					
114+05.00 to 125+38.95	LT	44646			1005.5					
125+74.95 to 131+23.81	LT	44672			485.4					
128+14.80 to 154+78.72	RT	44685			2403.0					
131+59.81 to 143+02.87	LT	44720			1013.6					
143+38.87 to 154+79.28	LT	44733			1044.2					
153+82.86 to 153+95.84	LT/RT	67978			13.4				PED REFUGE ISLAND	
154+93.24 to 155+03.09	RT	67987			9.3				PED REFUGE ISLAND	
154+93.53 to 155+03.84	LT	68005			9.9				PED REFUGE ISLAND	
155+17.42 to 160+90.99	RT	44766			540.3					
155+18.34 to 157+90.95	LT	44966			274.8					
156+01.11 to 156+14.09	LT/RT	67996			13.5				PED REFUGE ISLAND	
158+24.46 to 167+99.54	LT	44831			865.3					
161+24.99 to 171+30.43	RT	44840			891.3					
171+66.43 to 178+92.35	RT	44853			676.3					
180+52.31 to 181+45.12	RT	44872			80.5					
181+81.25 to 193+44.51	RT	44879			1033.4					
204+00.00 to 205+70.38	RT	44891			149.8					
207+41.53 to 218+35.01	RT	44897			961.2					
218+70.91 to 226+42.91	RT	44910			675.5					
226+77.68 to 231+96.93	RT	44925			456.2					
130+84.70 to 130+91.70	LT	50835					6.2		MEDIAN NOSE	
131+75.91 to 131+84.59	LT/RT	50840					8.3		MEDIAN NOSE	
153+96.47 to 154+27.91	LT/RT	68024					64.9		SPLITTER ISLAND	
154+87.97 to 155+07.57	LT	68014					23.2		SPLITTER ISLAND	
154+89.49 to 155+08.50	RT	68044					22.5		SPLITTER ISLAND	
155+69.12 to 156+00.47	LT/RT	68035					58.2		SPLITTER ISLAND	
				SUB-TOTAL:	15602.4		183.3			
				TOTAL:	15602		183			

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SUMMARY OF DITCH PAVEMENT

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	RIPRAP - RUBBLE (DITCH LINING) 530 3 4 SY P	F	DESIGN NOTES	CONSTRUCTION REMARKS
113+00.74 to 113+18.28	RT	70366			16.7			
113+46.93 to 113+64.25	RT	70371			21.8			
124+98.50 to 125+21.50	RT	70376			28.1			
127+15.32 to 127+30.68	RT	70381			13.4			
127+98.89 to 128+24.26	RT	70386			35.7			
141+19.14 to 141+39.34	RT	70393			44.6			
142+88.50 to 143+07.50	RT	70398			27.4			
144+91.50 to 145+08.50	RT	70403			24.6			
				SUB-TOTAL:	212.3			
				TOTAL:	212			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO. SQ-12

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 570 1 2 SY P	F	CONSTRUCTION REMARKS
101+65.02 to 101+65.02	LT	47107			3067.7		
103+26.08 to 113+76.23	LT	47138			5686.7		
103+66.77 to 113+60.07	LT	47461			1291.9		
103+75.57 to 113+59.23	RT	47446			1272.1		
107+56.75 to 110+46.58	LT/RT	49288			627.5		
108+71.64 to 108+71.64	RT	47415			5898.4		
113+98.00 to 125+46.17	LT	47156			6279.1		
114+12.57 to 127+70.39	RT	47558			1776.4		
114+13.40 to 125+30.54	LT	47567			1451.3		
117+26.27 to 130+91.70	LT/RT	49296			2270.0		
120+91.47 to 120+91.47	RT	47474			9817.1		
125+67.95 to 131+31.03	LT	47170			3073.4		
125+83.35 to 131+15.40	LT	47576			671.2		
128+23.20 to 153+81.18	RT	49220			3302.4		
131+52.81 to 143+10.09	LT	47205			6186.4		
131+68.21 to 142+94.46	LT	47587			1463.4		
131+75.91 to 153+82.47	LT/RT	49304			4314.8		
141+45.30 to 141+45.30	RT	49236			14752.3		
143+47.27 to 153+85.11	LT	49315			1272.2		
149+10.03 to 149+10.03	LT	47222			8445.2		
153+88.32 to 154+75.62	RT	47597			77.9		
153+92.62 to 154+75.59	LT	48037			72.3		
154+94.77 to 155+00.71	RT	49211			32.1		
154+95.92 to 155+02.33	LT	49694			33.8		
155+21.13 to 156+04.31	RT	48012			72.4		
155+21.42 to 156+04.86	LT	48048			75.2		
156+11.81 to 157+83.06	LT	48061			110.3		
156+11.82 to 160+82.58	RT	48023			518.4		
156+12.47 to 167+99.54	LT/RT	49332			2777.5		
156+56.28 to 156+56.28	LT	47285			2838.9		
158+03.27 to 158+03.27	RT	47976			4076.0		
158+18.86 to 167+99.54	LT	47404			5031.2		
158+31.58 to 167+99.54	LT	48070			1274.7		
161+33.40 to 171+22.03	RT	48078			1284.1		
166+74.16 to 166+74.16	RT	48089			8561.0		
171+59.51 to 178+92.35	RT	49610			886.7		
171+74.84 to 177+00.00	RT	49347			703.1		
174+88.43 to 178+93.55	LT/RT	49359			687.7		
180+25.39 to 196+47.39	LT/RT	49382			3082.8		
180+53.47 to 181+55.64	RT	49624			128.5		
181+76.35 to 193+44.51	RT	49687			1321.1		
181+87.78 to 193+44.51	RT	49415			1527.3		
202+53.26 to 205+48.73	LT/RT	49425			534.2		
204+00.00 to 205+70.38	RT	49674			189.3		
207+14.49 to 215+09.87	LT/RT	49465			1699.4		
207+45.38 to 218+42.31	RT	49664			1381.9		
209+01.03 to 218+26.61	RT	49474			1205.6		
				SUB-TOTAL:	123102.9		
				TOTAL:	127935		

SUMMARY OF PERFORMANCE TURF

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD) 570 1 2 SY P	F	CONSTRUCTION REMARKS
218+63.92 to 226+49.93	RT	49650			913.2		
218+79.31 to 226+34.44	RT	49483			963.0		
221+91.48 to 236+27.67	LT/RT	49538			1692.4		
226+70.67 to 231+96.93	RT	49640			604.6		
226+86.15 to 231+96.93	RT	49494			659.3		
				SUB-TOTAL:	4832.5		

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO. SQ-13

SUMMARY OF DESILTING PIPES

LOCATION			SIDE	EXIST. PIPE	PIPE SIZE 0 - 24" 430 94 1		PIPE SIZE 25 - 36" 430 94 2		PIPE SIZE 37 - 48" 430 94 3		DESIGN NOTES	CONSTRUCTION REMARKS
STA.	to	STA.			P	F	P	F	P	F		
100+92.12	to	100+92.12	LT	36" CP			38.6				POND 101	
100+92.12	to	101+00.00	LT/RT	36" CP			89.4					
101+00.00	to	101+15.86	RT	36" CP			65.9					
103+10.23	to	103+43.96	LT	36" CP			36.2				POND 101	
128+22.07	to	128+23.35	RT	24"x38" RCP			41.0				JOPPA AVE	
128+21.86	to	128+22.29	RT	24"x38" RCP			33.0				JOPPA AVE	
128+18.86	to	128+20.98	RT	24"x38" RCP			66.3				JOPPA AVE	
135+42.74	to	135+80.36	RT	34"x53" CMP					39.2		OUTFALL 300	
171+13.74	to	171+99.52	LT/RT	30" CP			189.0					
171+15.00	to	172+12.74	RT	30" CP			98.6				CHRISTOPHER ST	
171+17.61	to	172+03.38	LT/RT	30" CP			189.0					
177+23.00	to	177+23.00	LT/RT	42" CP					46.4			
177+23.00	to	177+23.00	RT	42" CP					86.8			
178+40.00	to	178+40.00	LT/RT	18" CP	45.2							
180+70.00	to	180+70.00	LT/RT	18" CP	44.7							
180+71.83	to	181+81.80	LT	18" CP	108.1							
181+84.65	to	182+37.23	LT/RT	36" CP			178.6					
181+88.99	to	182+42.00	LT/RT	36" CP			177.7					
186+00.00	to	186+00.00	LT/RT	36" CP			164.0					
193+53.00	to	193+53.00	LT/RT	36" CP			65.0					
193+53.00	to	193+53.00	RT	36" CP			63.0					
196+32.01	to	196+32.03	LT/RT	42" CP					55.7			
196+32.00	to	196+32.00	RT	42" CP					59.9			
202+85.22	to	202+85.42	LT/RT	30" CP			68.5					
208+68.00	to	208+98.00	LT/RT	36" CP			83.9					
208+98.00	to	208+98.00	RT	36" CP			53.1					
215+20.00	to	215+20.00	LT/RT	36" CP			183.2					
222+41.30	to	222+41.30	LT/RT	36" CP			184.8					
225+54.68	to	227+30.25	RT	36" CP			169.8					
229+12.00	to	229+12.00	LT/RT	36" CP			181.4					
235+32.69	to	235+32.71	LT/RT	18" CP	63.3							
236+20.00	to	236+79.42	LT	24" CP	125.1							
				SUB-TOTAL:	386.4		2420.0		288.0			
				TOTAL:	386		2420		288			

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REVISIONS			
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JOHNSON ENGINEERING
2122 JOHNSON STREET
FORT MYERS, FL 33901
EB 642 & LB 642
RYAN K. BELL, P.E. NO. 60010

CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

SUMMARY OF QUANTITIES

SHEET NO.
SQ-6

LOMSKI ENGINEERING & TESTING, INC.
CROSS SECTION OF SOIL SURVEY
REPORT OF TESTS
FLAMINGO BOULEVARD / EDGEWATER BOULEVARD
FROM STATE ROAD 776 TO ROCK CREEK DRIVE
PORT CHARLOTTE, CHARLOTTE COUNTY, FLORIDA

STRATUM NO.	MAX LBR VALUE	% PASS 10 MESH	% PASS 40 MESH	% PASS 60 MESH	% PASS 100 MESH	% PASS 200 MESH	% ORGANIC CONTENT	LIQUID LIMIT	PLASTICITY INDEX	NO. LBR TESTS	NO. GRAD. TESTS	NO. % FINES TESTS	NO. ORGANIC CONTENT TESTS	NO. LL-PI TESTS	AASHTO CLASSIFICATION	MATERIAL DESCRIPTION
1	21-30	81.5-100	69.4-92.3	52.1-73.4	16.7-42.6	13.2-5.3	0.8-1.7	NP	NP	6	11	11	11	11	A-3 / A-2-4	Pale Brown to Dark Brown, fine sand, trace silts
2	23-34	79.6-100	64.1-90.1	48.7-68.9	18.6-40.9	4.3-8.7	0.6-2.1	NP	NP	3	6	6	6	6	A-3	Brown to Orangish Brown, fine sand
3	-	80.4-100	68.9-89.4	47.9-70.9	19.6-55.4	5.6-12.6	0.5-1.9	NP	NP	-	12	12	12	12	A-3 / A-2-4	Light Gray to White, fine sand, trace silts
4	19	69.7-100	54.8-88.6	39.6-68.7	24.9-40.3	4.9-12.9	0.5-1.8	NP	NP	1	9	9	9	9	A-3 / A-2-4	Light Gray to Gray, fine to silty sand, with shell
5	-	96.7-100	80.3-90.6	58.9-79.4	36.4-55.7	11.6-27.3	0.9-1.9	30.6-33.9	13.9-15.3	-	4	4	4	4	A-2-4 / A-2-6	Gray, silty to clayey sand
6	-	60.1-100	52.6-89.6	30.1-53.9	12.9-31.3	5.1-9.6	0.7-1.3	NP	NP	-	8	8	8	8	A-3	Yellowish Brown, fine sand, with shell

NOTES:

1. SOIL BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY STRATUM CONNECTING LINES ARE SHOWN FOR ESTIMATING EARTHWORK ONLY. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN SECTION 2-4 OF THE FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION. FOR FURTHER DETAILS SEE SECTION 120-3 OF THE FDOT STANDARD SPECIFICATIONS.
2. WATER TABLE IS SHOWN AS ▽ WHERE ENCOUNTERED AT THE TIME OF THE SURVEY.
3. IF ENCOUNTERED, REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURING WITHIN THE ROAD SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX NO. 500. THE MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX NO. 505 OF FDOT ROADWAY DESIGN STANDARDS
4. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY BORINGS ONLY
5. SOIL PARAMETER NOT TESTED DENOTED AS "-" ABOVE.
6. "NP" DENOTES NON-PLASTIC MATERIAL.
7. STRATUM NOS. 1, 2, 3, 4, AND 6, SHALL BE TREATED AS SELECT (S) MATERIAL IN ACCORDANCE WITH INDEX 505.
8. STRATUM NO. 5 SHALL BE TREATED AS PLASTIC (P) IN ACCORDANCE WITH FDOT INDEX 505.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CHARLOTTE COUNTY
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	PROJECT ID
	CHARLOTTE	20225022-00R

ROADWAY SOIL SURVEY

SHEET NO. G-1