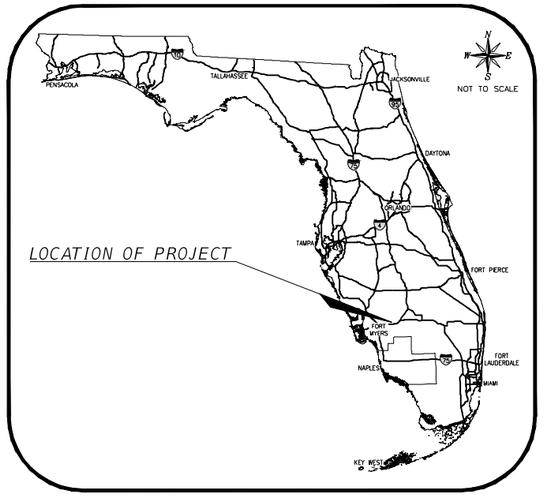
CONTRACT PLAN COMPONENTS

– ROADWAY PLANS

LEE COUNTY, FLORIDA
DEPARTMENT OF TRANSPORTATION

BELL BOULEVARD (SR 82 TO SUNRISE BLVD.) SIDEWALK

COUNTY PROJECT ID: 6002



INDEX OF ROADWAY PLANS

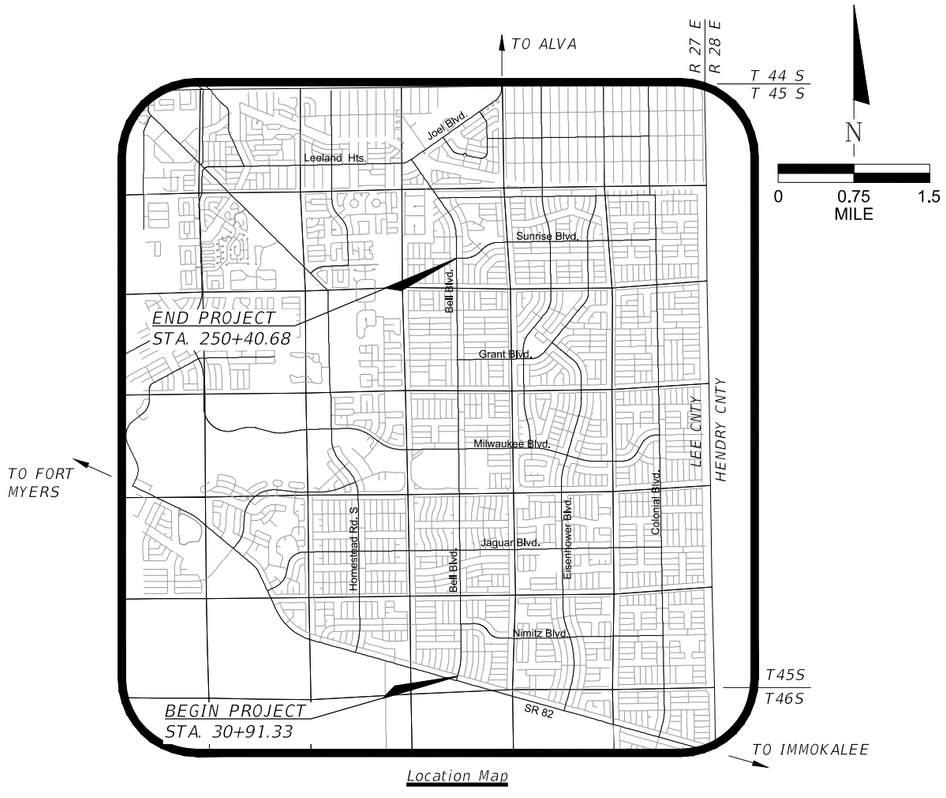
GOVERNING DESIGN STANDARDS:

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/roadway/Design/StandardPlans

GOVERNING STANDARD SPECIFICATIONS:

DIVISION I OF THE LEE COUNTY DEPARTMENT OF TRANSPORTATION AND DIVISION II & III OF THE FLORIDA DEPARTMENT OF TRANSPORTATION, 2024-25 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AT THE FOLLOWING WEBSITE:
http://www.fdot.gov/programmanagement/Implemented/SpecBooks



Location Map

ROADWAY/DRAINAGE PLANS ENGINEER OF RECORD:

R. DANIEL FLYNN, P.E.
Q. GRADY MINOR & ASSOC., P.A.
3800 VIA DEL REY
BONITA SPRINGS, FL 34134
FLORIDA P.E. LICENSE NO. 76205
EB/LB 0005151
(239) 947-1144

LEE COUNTY PROJECT MANAGER:

KEITH RIDDLE, CGC

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

KEY SHEET

SHEET NO. 1

RAYMOND D. FLYNN LICENSE No 76205 STATE OF FLORIDA PROFESSIONAL ENGINEER

R. Daniel Flynn, P.E.

Digitally signed by R. Daniel Flynn, P.E.
Date: 2024.03.15 17:03:08 -04'00'

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Q. GRADY MINOR AND ASSOCIATES,P.A.
3800 VIA DEL REY
BONITA SPRINGS, FL 34134
RAYMOND D. FLYNN, P.E. 76205

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

SHEET NO.	*SHEET DESCRIPTION*
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
4	GENERAL NOTES
5-8	DRAINAGE MAPS
9-10	TYPICAL SECTIONS
11	TYPICAL SECTION DETAILS
12-13	PROJECT LAYOUT & CONTROL
14-25	SUMMARY OF QUANTITIES
26-29	SUMMARY OF DRAINAGE STRUCTURES
30-71	ROADWAY PLAN & PROFILES
81-119	CROSS SECTIONS (RT)
120-121	CROSS SECTIONS (LT)
122-134	DRIVEWAY CROSS SECTIONS
135	INTERSECTION SIGNING AND PAVEMENT MARKING TYPICAL DETAILS
136	EROSION CONTROL PLAN
137-138	STORMWATER POLLUTION PREVENTION PLANS
139-140	TEMPORARY TRAFFIC CONTROL PLANS

ADAM JAMES DORNACKER LICENSE No. 85319 STATE OF FLORIDA PROFESSIONAL ENGINEER

Adam J Dornacker

Digitally signed by Adam J Dornacker
DN: c=US, o=Florida, dnQualifier=A01410C0000018D6501B8500006104B, cn=Adam J Dornacker
Date: 2024.03.15 16:54:02 -04'00'

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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UNIVERSAL ENGINEERING SCIENCES COMPANY
5621 2nd STREET WEST
LEHIGH ACRES, FL 33971
ADAM J. DORNACKER, P.E. 76205

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SHEET NO.	*SHEET DESCRIPTION*
72-80	ROADWAY SOIL SURVEY

REVISIONS			
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LEE COUNTY

ROAD NO.	*COUNTY PROJECT NO.*
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	*6002*

SIGNATURE SHEET

SHEET NO. **2**

BELL BLVD SR 82 TO SUNRISE BLVD. SIDEWALK PROJECT - SUMMARY OF PAY ITEMS			
Pay Item No.	Item Description	Unit	Quantity
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
102-3	COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE	CY	957.7
104-10-3	SEDIMENT BARRIER	LF	21130
104-18	INLET PROTECTION SYSTEM	EA	66
107-1	LITTER REMOVAL	AC	215.65
107-2	MOWING	AC	215.65
110-1-1	CLEARING & GRUBBING	AC	8.45
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	5195
110-7-1	MAILBOX, F&I SINGLE	EA	75
120-1	REGULAR EXCAVATION	CY	2413.0
120-6	EMBANKMENT	CY	1795.0
160-4	TYPE B STABILIZATION	SY	1592
285-709	OPTIONAL BASE, BASE GROUP 09	SY	1523
327-70-1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	3284
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	122.6
337-7-82	ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5, PG 76-22	TN	262.4
425-1521	INLETS, DT BOT, TYPE C, <10'	EA	33
425-2-61	MANHOLE, P-8, <10'	EA	1
430-94-1	DESILTING PIPE, 0 - 24"	LF	2633
430-174-118	PIPE CULV, OPT MATL, ROUND, 18"SD	LF	1342
430-174-124	PIPE CULV, OPT MATL, ROUND, 24"SD	LF	5
430-174-215	PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 15"SD	LF	1113
430-984-125	MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	1
430-984-623	MITERED END SECTION, OPTIONAL OTHER - ELLIP/ARCH, 15" SD	EA	68
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	19597
527-2	DETECTABLE WARNINGS	SF	984
570-1-2	PERFORMANCE TURF, SOD	SY	21314
580-12-35	ROOT BARRIER- 24"	LF	1611
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1
700-1-50	SINGLE POST SIGN, RELOCATE	AS	11
700-1-60	SINGLE POST SIGN, REMOVE	AS	2
705-10-2	OBJECT MARKER, TYPE 2	EA	20
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	1
711-11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	2831
711-11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	355
711-11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	20
711-14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	580
711-16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.004
711-16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.015

PAY ITEM NOTES:

107-1 & 107-2 PROJECT DURATION 300 DAYS

110-1-1 TREE TRIMMING, TREE REMOVAL & OTHER LANDSCAPING REMOVAL AS SHOWN ON PLANS IS INCLUDED IN CLEARING & GRUBBING. CONTRACTOR TO SUBMIT THEIR TREE REMOVAL PLAN, INCLUDING STUMP GRINDING PLAN, TO THE COUNTY FOR APPROVAL PRIOR TO CLEARING AND GRUBBING.

COST ASSOCIATED WITH REMOVING AND PLACING PAVERS ON PALLET INCLUDED IN ITEM 110-1-1 CLEARING AND GRUBBING.

ASPHALT AND BASE REMOVAL AS SHOWN IN THE PLANS SHALL BE INCLUDED IN PAY ITEM 110-1-1 CLEARING AND GRUBBING.

102-3 COMMERCIAL MATERIAL SHALL NOT BE USED TO CORRECT MOT DEFICIENCIES SUCH AS DROP OFFS.

337-7-82 ANY NECESSARY ADJUSTMENT TO EXISTING MANHOLES OR VALVES ARE INCLUDED IN ITEM 337-7-82.

430-94-1 CLEAN AND DESILT ALL EXISTING STORM DRAIN PIPES AND INLETS AND PROVIDE VIDEO DOCUMENTATION POST CLEANING.

430-984-XXX MITERED END SECTIONS SHALL BE CONSTRUCTED AT OR BELOW ELEVATION OF ADJACENT DRIVEWAY AND ARE AT A MAXIMUM 4:1 UNLESS OTHERWISE NOTED.

522-2 ANY NECESSARY ADJUSTMENTS TO EXISTING MANHOLES OR VALVES ARE INCLUDED IN ITEM 522-2.

527-2 ALL DETECTABLE WARNING WARNINGS SHALL BE WET-SET.

REVISIONS			
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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF PAY ITEMS

SHEET NO. 3

GENERAL NOTES:

1. THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE FLORIDA STATE PLAN COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83 DATUM WITH 2011 ADJUSTMENT). BENCHMARK ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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

3. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED. ALL EXISTING DRAINAGE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.

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

5. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY AGENCY OWNERS:

COMPANY	SERVICE	CONTACT	TELEPHONE NUMBER
LEE COUNTY ELECTRIC CO-OP	ELECTRIC, STREET LIGHTS	TOM BAILY	239-656-2414
CENTURYLINK	FIBER, TELEPHONE	BILL MCCLOUD	850-599-1444
FLORIDA GOVERNMENTAL UTILITIES AUTHORITY – LEHIGH (FGUA)	SEWER, WATER	LINA MARIA QUINTERO, PE	727-858-2396
COMCAST	CATV	JOSH DAVIS	239-253-7642

6. NOTIFY ALL UTILITY COMPANIES IN THE AREA AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AND CALL THE SUNSHINE STATE ONE AT 1-800-432-4770.

7. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.

8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY LEE COUNTY, WITHOUT DELAY, BY TELEPHONE AT 239-533-9400.

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

10. AT THE COMPLETION OF THIS PROJECT, ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED OR CONCRETE SHALL BE SODDED. QUANTITIES SHOWN INCLUDE THAT AREA INTENDED TO BE DISTURBED WHICH IS DETAILED ON THE TYPICAL SECTIONS. OTHER DISTURBED AREAS ARE CONTRACTOR'S RESPONSIBILITY.

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

12. CONTRACTOR SHALL NOTIFY RESIDENCES AND BUSINESSES AT LEAST 48 HOURS IN ADVANCE OF ANY DISRUPTION IN SERVICE, INCLUDING DRIVEWAY CUTS.

13. PROMPTLY NOTIFY ALL FIELD CHANGES TO THE ENGINEER.

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

15. ALL EXISTING TREES WITHIN THE EXISTING RIGHT OF WAY ARE TO BE TRIMMED TO MAINTAIN TEN (10) FEET VERTICAL CLEARANCE AND TWO (2) FEET HORIZONTAL CLEARANCE FROM SIDEWALK. TRIMMING IS INCLUDED IN PAY ITEM 110-1-1.

16. DRIVEWAY ACCESS SHALL BE PROVIDED TO RESIDENTS AT ALL TIMES UNLESS PREVIOUSLY APPROVED BY THE COUNTY.

17. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A DEWATERING PERMIT AT THEIR OWN EXPENSE, IF REQUIRED.

18. PRIOR TO CONSTRUCTION, A GOPHER TORTOISE RELOCATION PERMIT WILL BE REQUIRED FROM THE FWCC TO RELOCATE TORTOISES TO AN APPROVED OFF-SITE RECIPIENT AREA. THE GOPHER TORTOISE RELOCATION WILL NOT BE PART OF THE CONTRACTOR'S SCOPE OF WORK BUT THE CONTRACTOR SHALL BE AWARE THAT GOPHER TORTOISE BURROWS ARE WITHIN THE PROJECT LIMITS AND THE CONTRACTOR SHALL NOT DISTURB THE BURROWS.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAPPING DAMAGED IRRIGATION LINES WITHIN THE ROW.

20. THE CONTRACTOR SHALL BE AWARE OF RESIDENTIAL DRAIN FIELDS, WELLS AND SEPTIC TANKS IN CLOSE PROXIMITY OF THE CONSTRUCTION LIMITS AND USE EXTREME CAUTION DURING EXCAVATION AND TREE REMOVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING DRAIN FIELDS, WELLS AND SEPTIC TANKS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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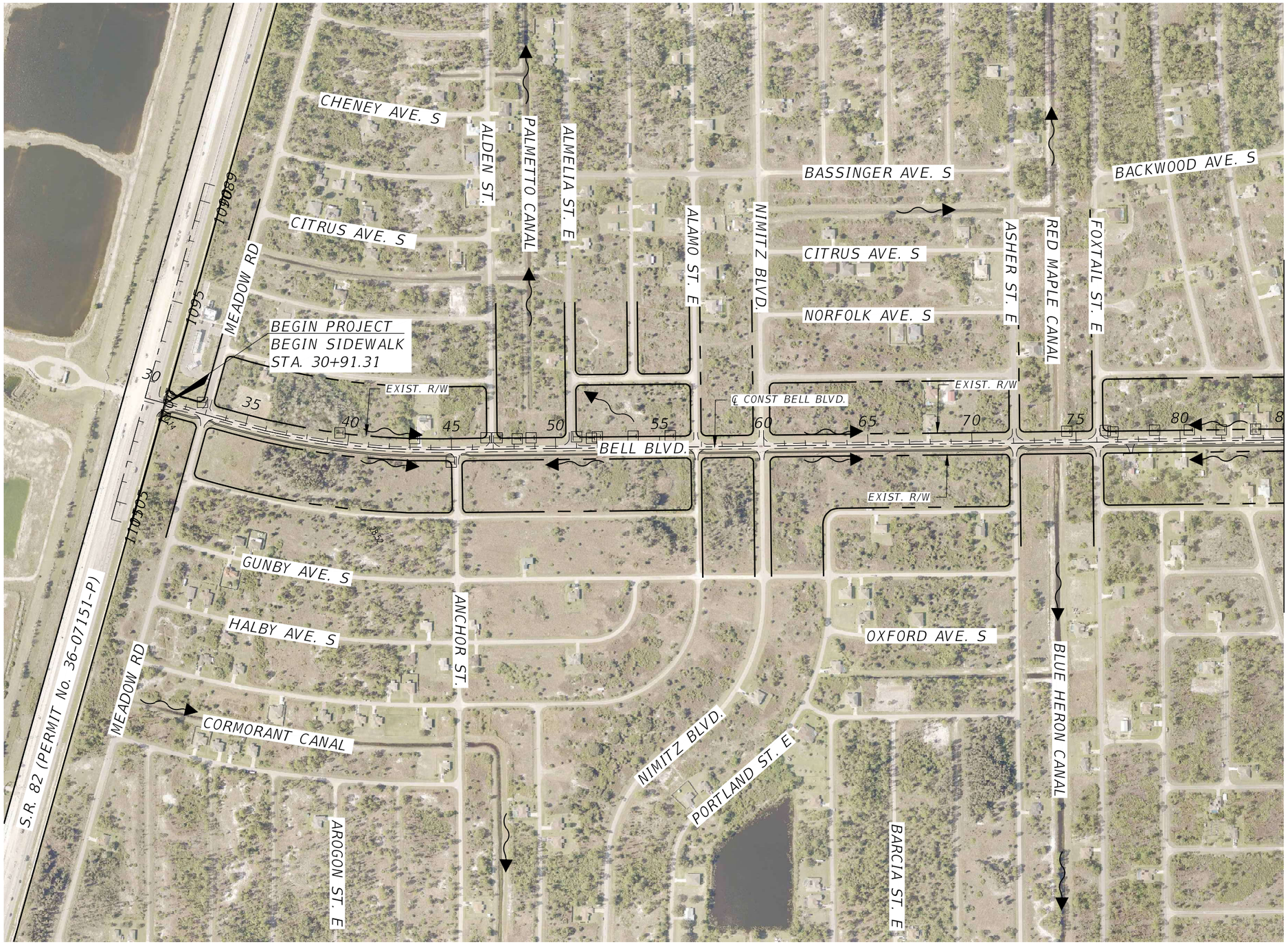
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

GENERAL NOTES

SHEET NO. 4



N

0 250' 500'

SCALE: 1" = 500'

NOTE:
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

ELEVATIONS SHOWN HEREON ARE BASED UPON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD '88).

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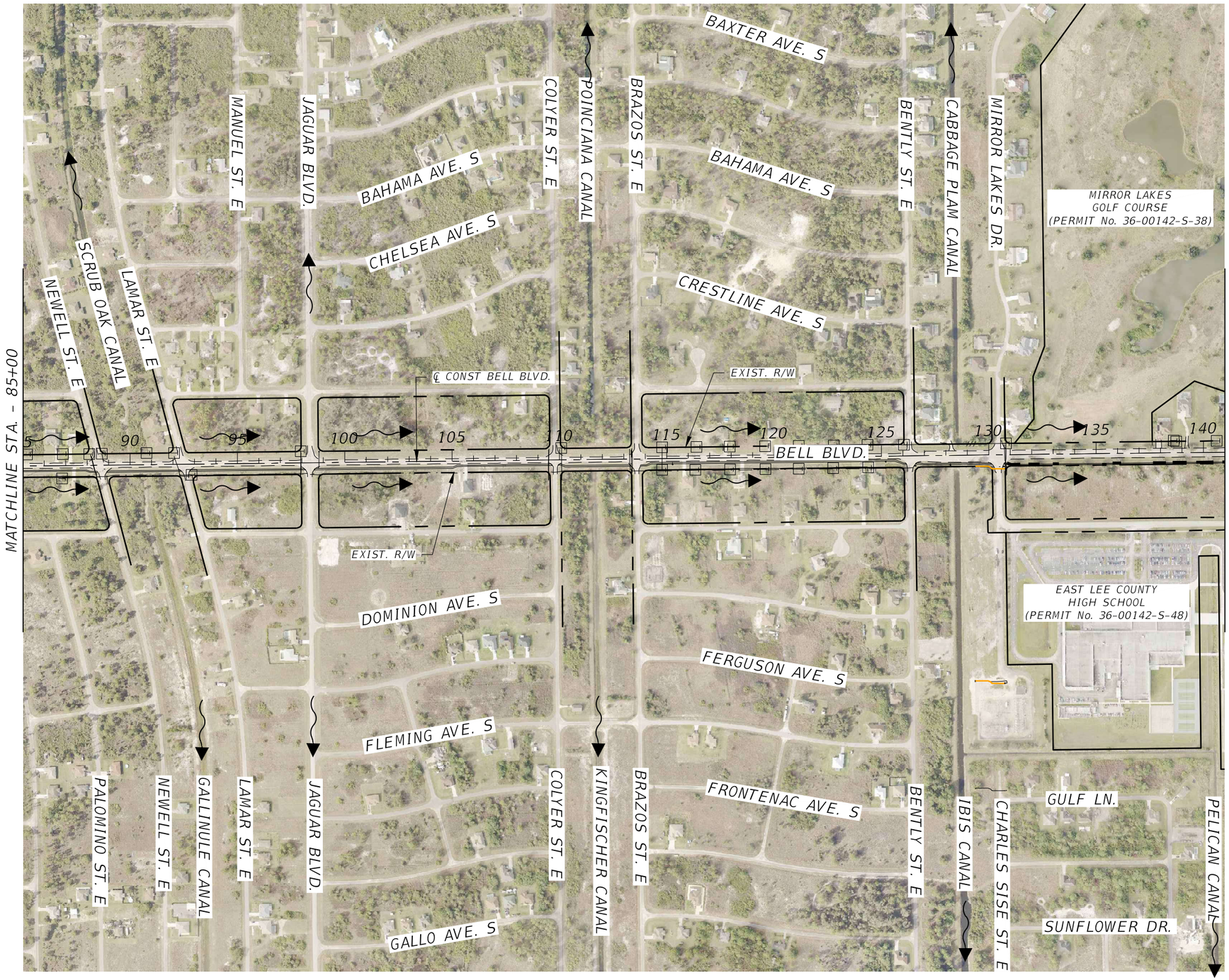
DRAINAGE MAP

SHEET NO. 5



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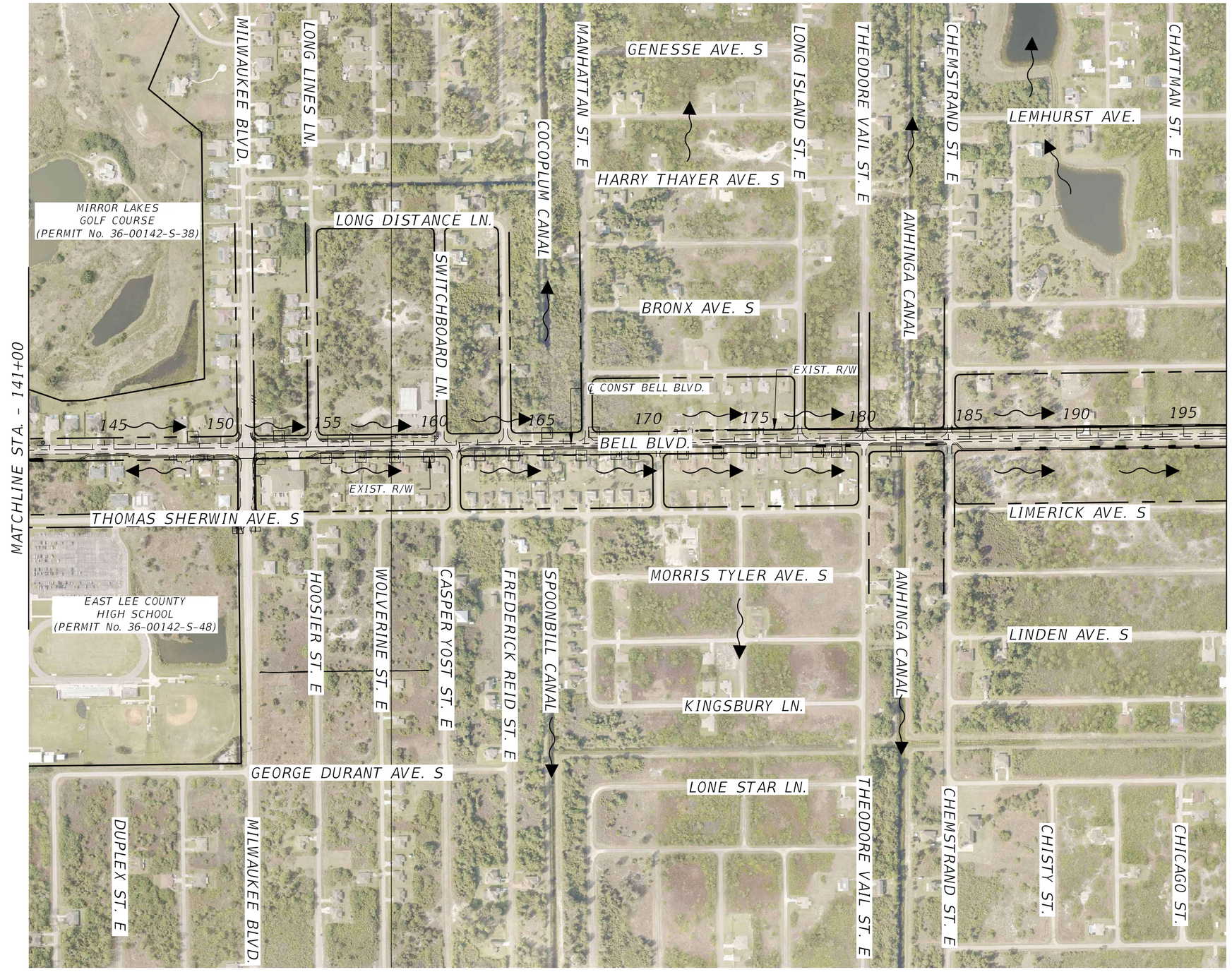
DRAINAGE MAP

SHEET NO. 6



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SCALE: 1" = 500'

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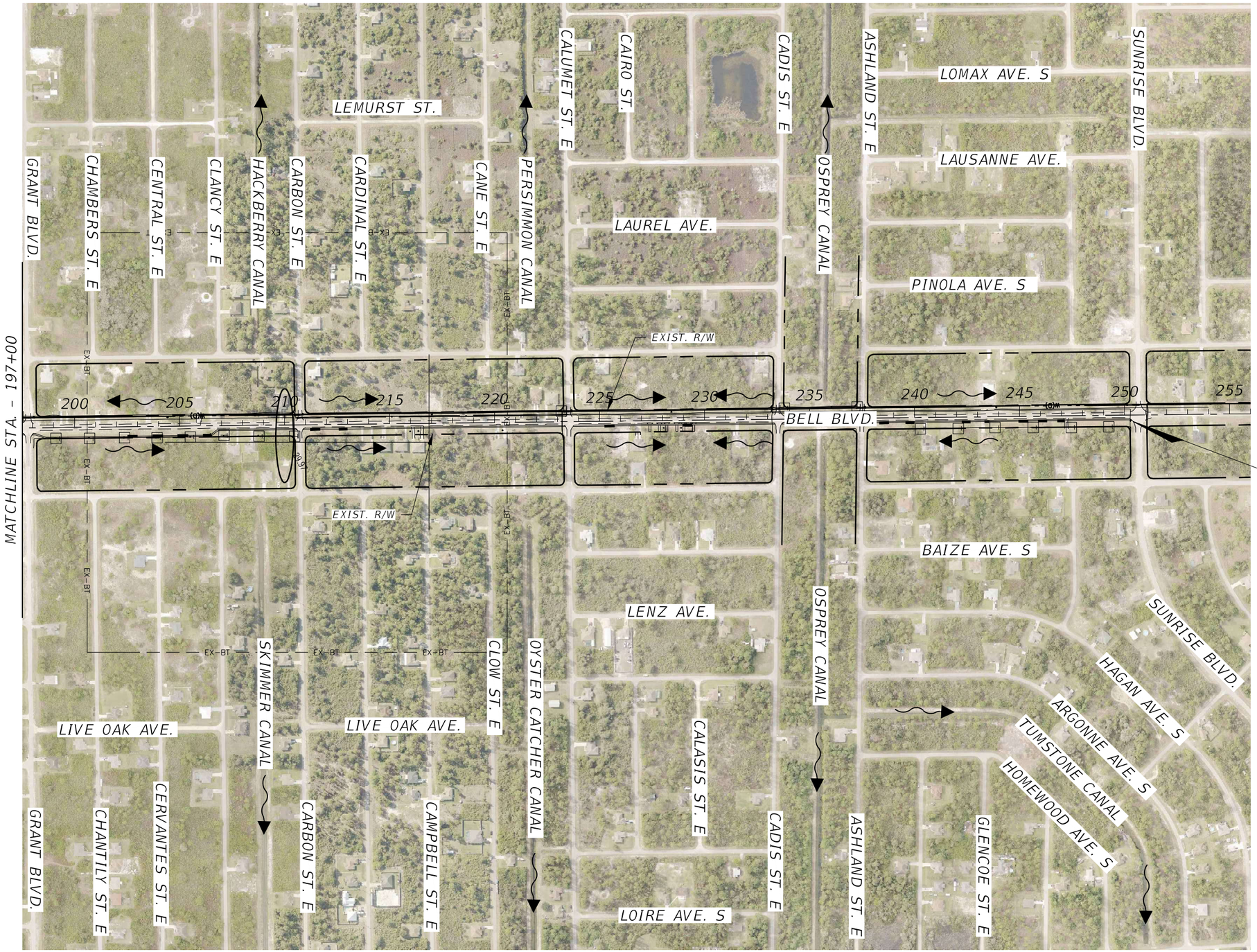
DRAINAGE MAP

SHEET NO. 7



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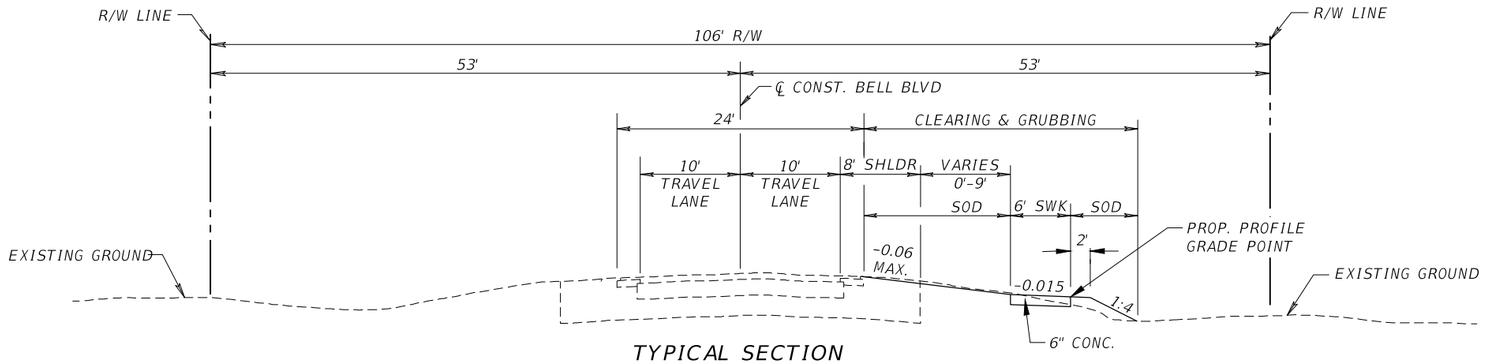
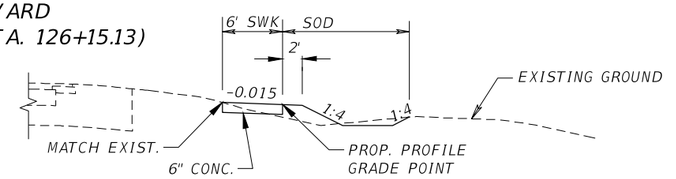
DRAINAGE MAP

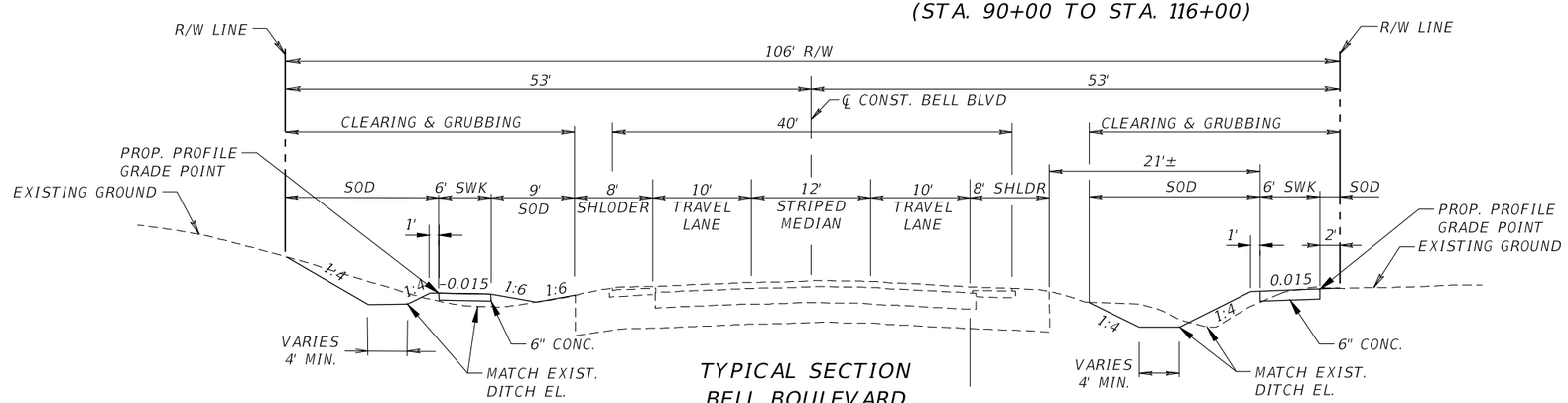
SHEET NO. 8



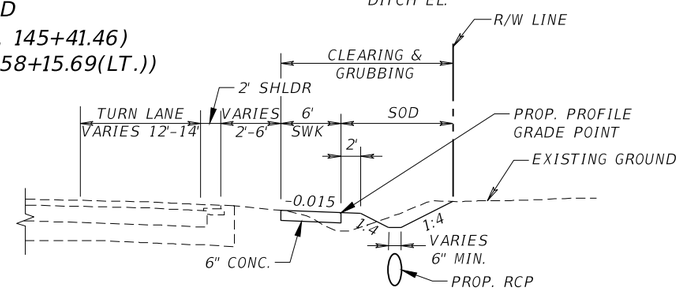
TYPICAL SECTION
BELL BOULEVARD
(STA. 30+91.31 TO STA. 126+15.13)



TYPICAL SECTION
BELL BOULEVARD
(STA. 90+00 TO STA. 116+00)



TYPICAL SECTION
BELL BOULEVARD
(STA. 130+13.45 TO STA. 145+41.46)
(STA. 150+48.94 TO STA. 158+15.69(LT.))



TYPICAL SECTION
BELL BOULEVARD
(STA. 126+15.13 TO STA. 130+13.45)
(STA. 145+41.46 TO STA. 150+94.38)
(STA. 153+95.74 TO STA. 160+71.30)

DESIGN SPEED	*50 MPH*
POSTED SPEED	*45 MPH*

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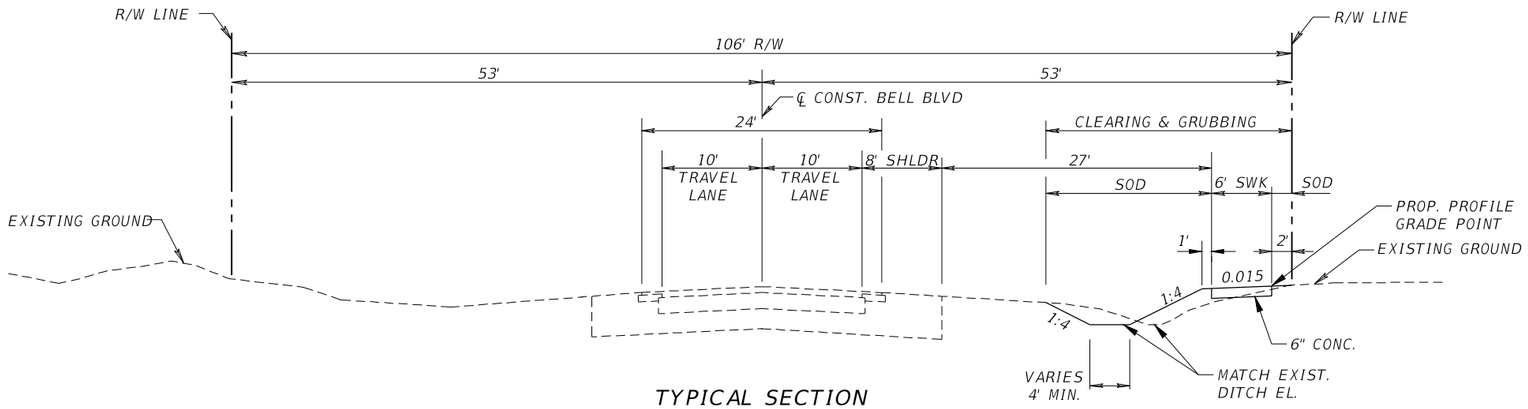
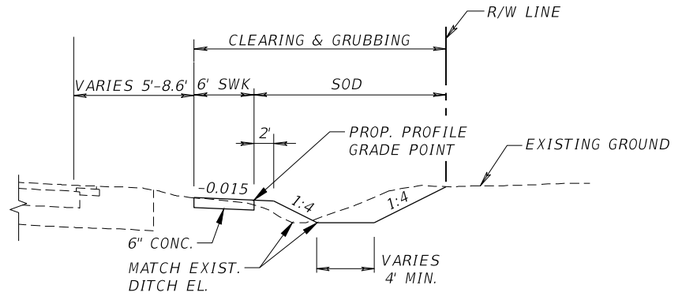
TYPICAL SECTIONS

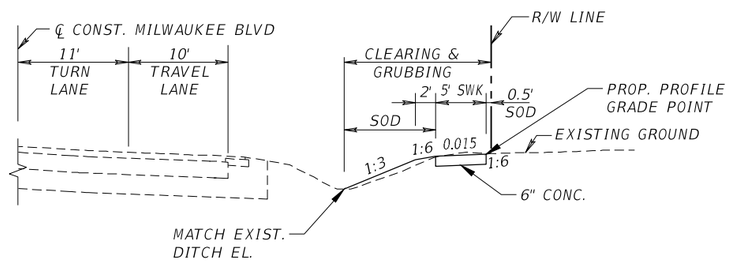
SHEET NO. 9



TYPICAL SECTION
BELL BOULEVARD
(STA. 184+37.25 TO STA. 206+82.89)



TYPICAL SECTION
BELL BOULEVARD
(STA. 160+71.30 TO STA. 184+37.25)
(STA. 206+82.89 TO STA. 250+32.76)



TYPICAL SECTION
MILWAUKEE BOULEVARD
(STA. 98+16.05 TO STA. 99+45.25)

DESIGN SPEED	*50 MPH*
POSTED SPEED	*45 MPH*

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GradyMinor
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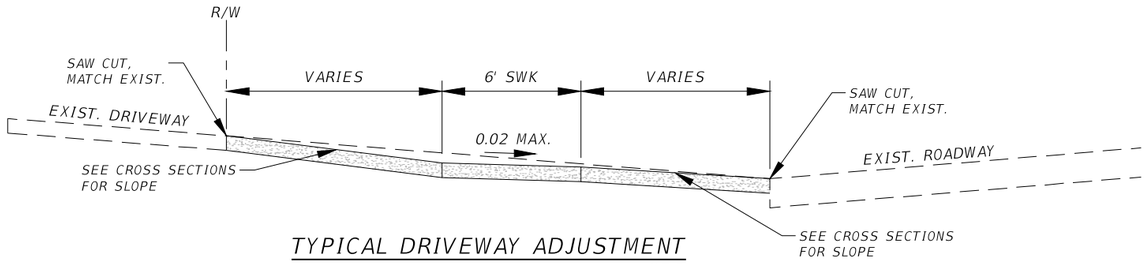
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

TYPICAL SECTIONS

SHEET NO. 1.0

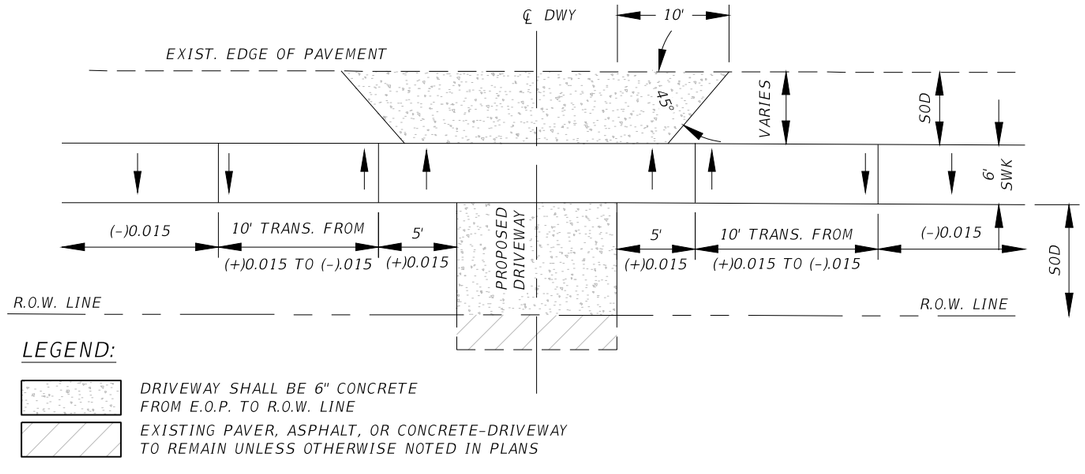


TYPICAL DRIVEWAY ADJUSTMENT

N.T.S.

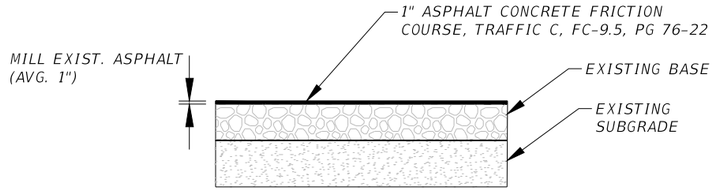
NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL PORTIONS OF DRIVEWAYS DAMAGED DURING CONSTRUCTION TO EQUAL TO OR BETTER CONDITIONS THAN EXISTED BEFORE CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE ASPHALT ROADWAY DURING DRIVEWAY INSTALLATION. DAMAGES SHALL BE RESTORED TO THE DIMENSIONS AS DETAILED ON ROADWAY RESTORATION DETAIL THIS PAGE. COST ASSOCIATED WITH ROADWAY RESTORATION IS INCIDENTAL TO PAY ITEM 522-2 CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK.
3. DRIVEWAYS SHALL BE SAW CUT IN A STRAIGHT LINE PERPENDICULAR TO THE CENTERLINE OF THE DRIVEWAY.
4. DRIVEWAYS SHALL BE REMOVED AND REINSTALLED AS DETAILED IN THE SPECIFICATIONS. PROVIDE EXPANSION JOINT FILLER BETWEEN NEW AND EXISTING DRIVEWAY. AFTER PLACING NEW CONCRETE, SAW CUT TO CONTROL CRACKING WITHIN 24 HOURS.
5. WHEN RECONSTRUCTING DRIVEWAYS, THE CONTRACTOR SHALL EXTEND THE WORK TO THE NEAREST EXISTING CONSTRUCTION JOINT IF WITHIN 3 FEET OF THE LIMIT OF WORK SHOWN ON PLAN AND WITHIN R.O.W. THIS WORK WILL BE PAID FOR UNDER PAY ITEM 0522 2 CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK.
6. DRIVEWAYS WITH A PROPOSED, OR EXISTING DRAINAGE PIPE, WITH LESS THAN 6-INCHES OF SEPARATION FROM THE BOTTOM OF THE CONCRETE DRIVEWAY TO THE TOP OF THE RCP/ERCP PIPE SHALL HAVE AN EXPANSION JOINT ON THE DRIVEWAY LOCATED ALONG THE CROWN OF THE PIPE. DRIVEWAY SHALL MAINTAIN A MINIMUM 1" SEPARATION BETWEEN THE BOTTOM OF THE CONCRETE DRIVEWAY AND TOP OF THE RCP/ERCP PIPE.
7. ALL AREAS DISTURBED THAT ARE NOT TO BE PAVED SHALL BE SODDED.
8. PAVER DRIVEWAYS SHALL BE RECONSTRUCTED WITH CONCRETE. CONTRACTOR TO PLACE EXISTING PAVERS ON A PALLET AND SHALL BE PROVIDED TO PROPERTY OWNER. COST ASSOCIATED WITH REMOVING AND PLACING PAVERS ON PALLET INCLUDED IN ITEM 110-1-1 CLEARING AND GRUBBING.



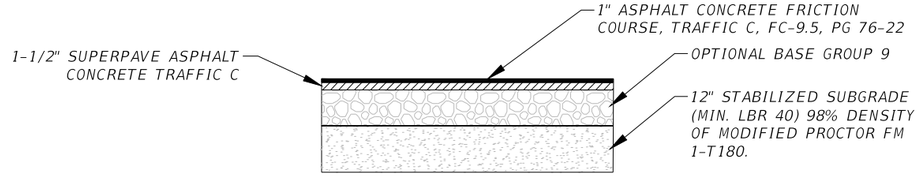
TYPICAL DRIVEWAY PLAN

N.T.S.



TYPICAL TURNOUT MILLING & RESURFACING SECTION

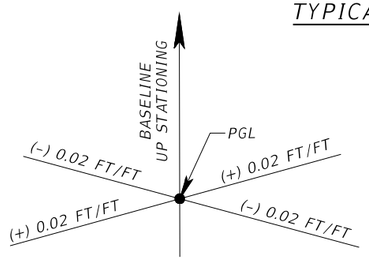
N.T.S.



1. LIMEROCK BASE MUST EXTEND 4" BEYOND EDGE OF PAVEMENT.
2. STABILIZED SUBGRADE MUST EXTEND 12" BEYOND EDGE OF PAVEMENT.

TYPICAL ROADWAY RECONSTRUCTION SECTION

N.T.S.

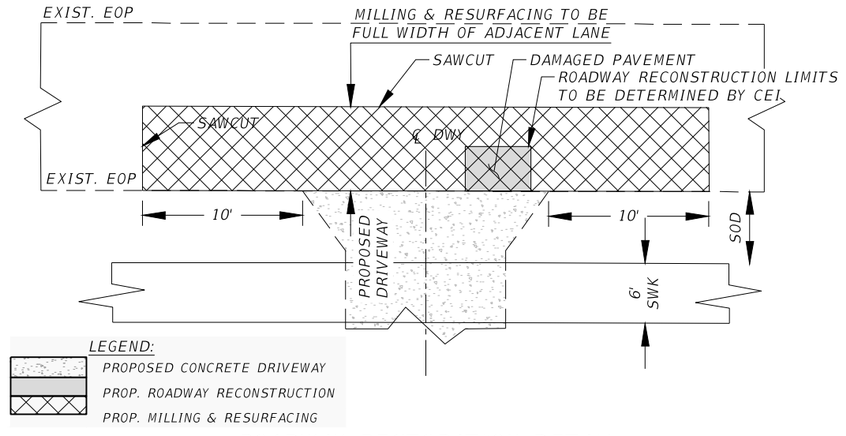


NOTE:

ROADWAY CROSS SLOPE AS DETAILED IN ROADWAY PLANS IS AS FOLLOWS:

ANY CROSS SLOPE WHICH EXTENDS ABOVE AND TO THE LEFT OR BELOW AND TO THE RIGHT OF THE PGL IS CONSIDERED A NEGATIVE (-) CROSS SLOPE.

ANY CROSS SLOPE WHICH EXTENDS BELOW AND TO THE LEFT OR ABOVE AND TO THE RIGHT OF THE PGL IS CONSIDERED A POSITIVE (+) CROSS SLOPE.



ROADWAY RESTORATION DETAIL

N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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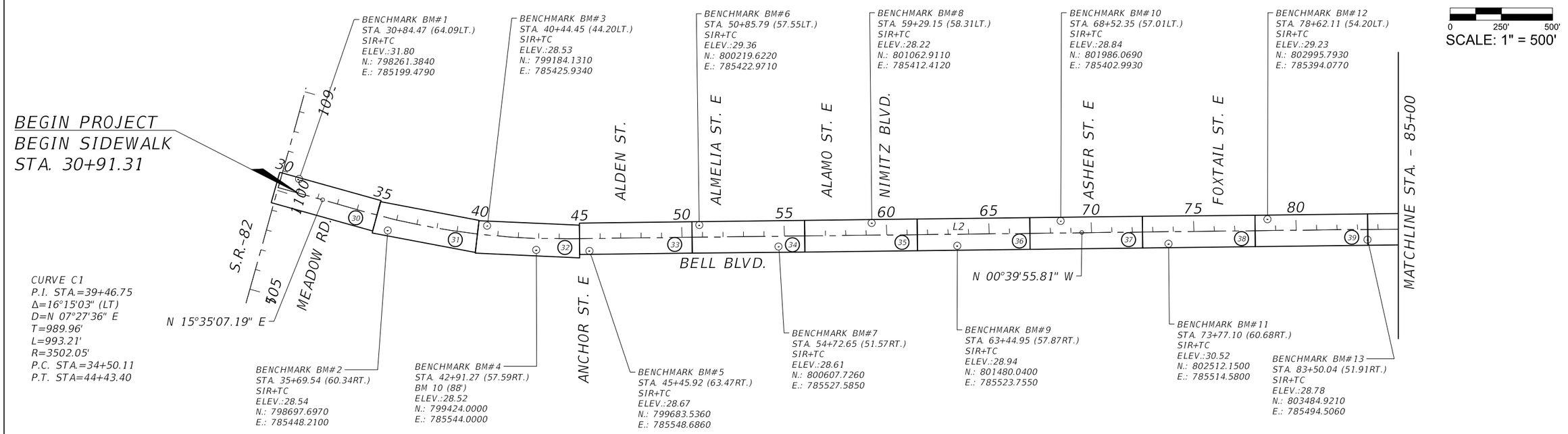
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

TYPICAL SECTION DETAILS

SHEET NO. 1.1



REVISIONS			
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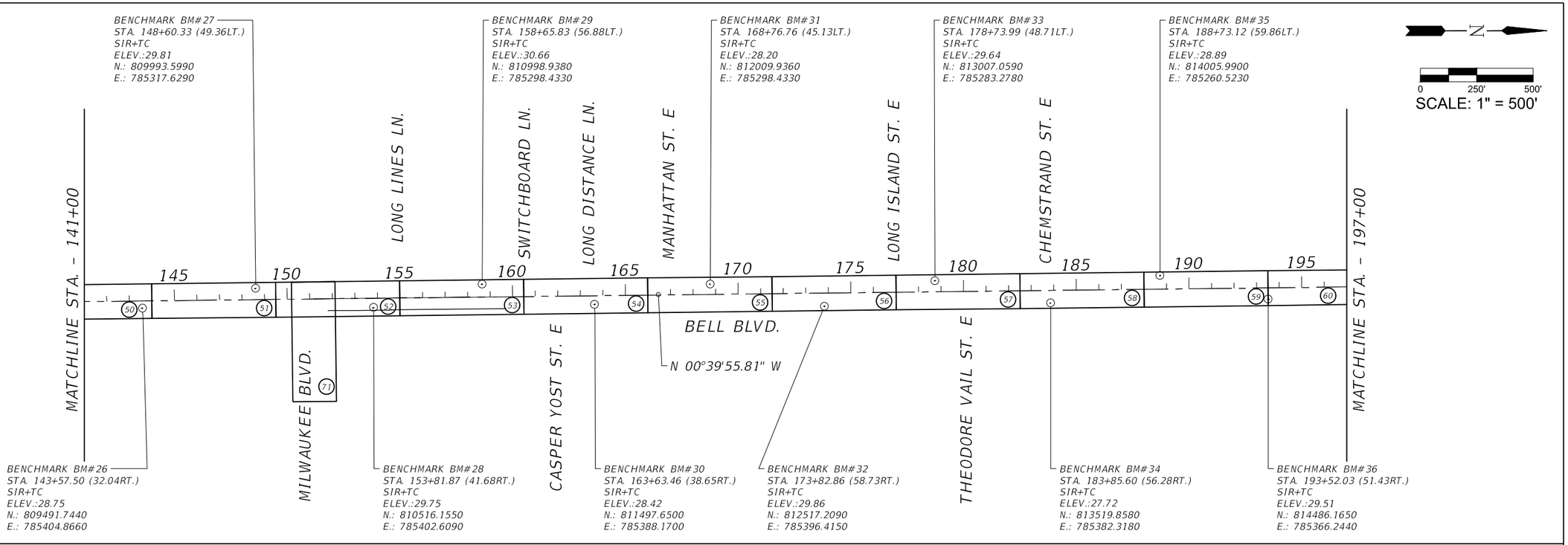
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

PROJECT LAYOUT & CONTROL

SHEET NO. 1.2



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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

PROJECT LAYOUT & CONTROL

SHEET NO. 13

SUMMARY OF SIDEWALK

LOCATION STA TO STA.	SIDE	SIDEWALK CONCRETE 6" THICKNESS 522 2 AREA (SY) P	F	DETECTABLE WARNING SURFACE 527 2 AREA (SF) P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
30+91.31 TO 31+10.10	RT	13					
31+10.10 TO 31+44.74	RT	28				TRANSITION	
31+44.74 TO 32+47.12	RT	68					
32+47.12 TO 32+67.12	RT	15				TRANSITION	
32+67.12 TO 32+80.93	RT	9		18			
33+22.60 TO 33+36.11	RT	9		17			
33+36.11 TO 33+56.11	RT	14				TRANSITION	
33+56.11 TO 44+70.80	RT	743					
44+70.80 TO 44+90.80	RT	14				TRANSITION	
44+90.80 TO 45+05.25	RT	10		19			
45+44.45 TO 45+67.34	RT	15		20			
45+67.34 TO 45+87.34	RT	15				TRANSITION	
45+87.34 TO 51+07.64	RT	347					
51+23.51 TO 56+28.96	RT	337					
56+28.96 TO 56+48.96	RT	14				TRANSITION	
56+48.96 TO 56+61.40	RT	8		15			
56+89.68 TO 57+03.21	RT	9		17			
57+03.21 TO 57+23.21	RT	14				TRANSITION	
57+23.21 TO 59+37.09	RT	143					
59+37.09 TO 59+57.09	RT	13				TRANSITION	
59+57.09 TO 59+70.32	RT	9		15			
60+06.31 TO 60+18.02	RT	8		14			
60+18.02 TO 60+38.02	RT	14				TRANSITION	
60+38.02 TO 71+55.38	RT	745					
71+55.38 TO 71+75.38	RT	15				TRANSITION	
71+75.38 TO 71+87.86	RT	8		16			
72+22.57 TO 72+49.14	RT	18		22			
72+49.14 TO 72+69.14	RT	15				TRANSITION	
72+69.14 TO 75+39.01	RT	180					
75+39.01 TO 75+59.01	RT	15				TRANSITION	
75+59.01 TO 75+81.74	RT	15		24			
76+26.83 TO 77+54.81	RT	85		17			
77+74.27 TO 78+48.04	RT	49					
78+63.70 TO 80+08.69	RT	97					
80+24.52 TO 87+31.60	RT	471					
87+47.53 TO 87+92.42	RT	30					
87+92.42 TO 88+12.42	RT	15				TRANSITION	
88+12.42 TO 88+48.60	RT	24		20			
88+89.62 TO 92+39.36	RT	233		34			
92+75.75 TO 98+16.29	RT	360		33			
98+55.80 TO 105+02.85	RT	431		18			
105+02.85 TO 105+22.85	RT	15				TRANSITION	
SHEET TOTAL		4689		321			

SUMMARY OF SIDEWALK

LOCATION STA TO STA.	SIDE	SIDEWALK CONCRETE 6" THICKNESS 522 2 AREA (SY) P	F	DETECTABLE WARNING SURFACE 527 2 AREA (SF) P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
105+22.85 TO 105+55.62	RT	22					
105+71.44 TO 106+66.54	RT	63					
106+82.38 TO 109+66.11	RT	189		17			
109+93.09 TO 110+06.16	RT	9		17			
110+06.16 TO 110+26.16	RT	15				TRANSITION	
110+26.16 TO 113+34.36	RT	205		17			
113+76.82 TO 114+05.79	RT	19		17			
114+05.79 TO 114+25.79	RT	16				TRANSITION	
114+25.79 TO 115+72.20	RT	98					
115+88.09 TO 118+42.50	RT	170					
118+58.32 TO 124+01.30	RT	362					
124+19.32 TO 124+53.53	RT	23					
124+69.30 TO 125+62.22	RT	62					
125+62.22 TO 126+00.47	RT	28				TRANSITION	
126+00.47 TO 126+15.13	RT	10		14			
126+57.59 TO 126+74.28	RT	11		20			
126+74.28 TO 126+94.28	RT	14				TRANSITION	
126+94.28 TO 128+67.82	RT	116					
128+67.82 TO 128+78.15	RT	7				TRANSITION	
128+78.15 TO 128+91.90	RT	9					
128+91.90 TO 129+01.90	RT	7				TRANSITION	
129+01.90 TO 130+13.45	RT	74		24			
130+69.56 TO 130+74.21	RT	1		15			
130+74.21 TO 131+02.05	RT	20				TRANSITION	
131+02.05 TO 143+41.46	RT	826					
143+41.46 TO 143+76.47	RT	27				TRANSITION	
143+76.47 TO 143+97.78	RT	14					
144+06.59 TO 144+43.06	RT	24					
144+52.09 TO 144+86.02	RT	23					
144+94.93 TO 145+31.20	RT	24					
145+39.99 TO 145+58.37	RT	12					
145+58.37 TO 146+12.26	RT	39				TRANSITION	
146+12.26 TO 147+79.39	RT	111					
147+90.76 TO 148+58.03	RT	45					
148+69.43 TO 148+89.81	RT	14					
148+89.81 TO 148+99.85	RT	7				TRANSITION	
148+99.85 TO 149+19.60	RT	13					
149+35.26 TO 149+50.00	RT	10					
149+50.00 TO 149+57.55	RT	5				TRANSITION	
149+57.55 TO 150+10.72	RT	35					
150+29.50 TO 150+48.92	RT	13					
150+48.90 TO 150+68.92	RT	15				TRANSITION	
SHEET TOTAL		2810		141			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 14

SUMMARY OF SIDEWALK

LOCATION STA	TO	STA.	SIDE	SIDEWALK CONCRETE 6" THICKNESS 522 2 AREA (SY) P	F	DETECTABLE WARNING SURFACE 527 2 AREA (SF) P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
150+68.92	TO	150+90.11	RT	20		29		PERPENDICULAR	
151+49.54	TO	151+61.46	RT	19		36		PERPENDICULAR	
152+16.65	TO	152+21.65	RT	3					
152+66.62	TO	152+71.62	RT	3					
152+91.81	TO	153+12.25	RT	11					
153+64.26	TO	153+69.51	RT	3					
153+95.63	TO	154+10.36	RT	8					
154+10.36	TO	154+56.28	RT	34				TRANSITION	
154+56.28	TO	155+07.68	RT	34					
151+48.94	TO	151+62.83	LT	23		31		PERPENDICULAR	
151+65.73	TO	154+10.40	LT	163		23			
154+54.83	TO	156+02.21	LT	98		23			
156+18.21	TO	157+80.00	LT	108					
157+80.00	TO	158+15.69	LT	28				TRANSITION	
155+24.83	TO	156+16.85	RT	61					
156+32.67	TO	156+68.29	RT	24					
156+84.14	TO	157+78.56	RT	63					
157+94.46	TO	158+30.19	RT	24					
158+46.03	TO	159+37.05	RT	61					
159+52.92	TO	159+96.57	RT	29					
160+12.49	TO	160+71.30	RT	39		15			
161+09.70	TO	161+29.96	RT	14		15			
161+29.96	TO	161+49.96	RT	15				TRANSITION	
161+49.96	TO	161+67.05	RT	11					
161+82.86	TO	162+25.80	RT	29					
162+41.57	TO	163+31.98	RT	60					
163+47.75	TO	163+85.62	RT	25					
164+01.47	TO	164+91.82	RT	60					
165+07.57	TO	165+45.61	RT	25					
165+61.35	TO	166+54.05	RT	62					
166+69.74	TO	167+03.69	RT	23					
167+19.52	TO	167+74.48	RT	37					
167+86.52	TO	168+14.31	RT	19					
168+30.15	TO	168+64.16	RT	23					
168+80.16	TO	170+25.93	RT	97		23			
170+59.75	TO	171+00.80	RT	27		21			
171+16.65	TO	172+01.55	RT	57					
172+17.49	TO	172+56.20	RT	26					
172+72.08	TO	173+62.02	RT	60					
173+77.80	TO	174+16.30	RT	26					
174+32.09	TO	175+23.30	RT	61					
175+39.12	TO	175+74.39	RT	24					
SHEET TOTAL				1633		214			

SUMMARY OF SIDEWALK

LOCATION STA	TO	STA.	SIDE	SIDEWALK CONCRETE 6" THICKNESS 522 2 AREA (SY) P	F	DETECTABLE WARNING SURFACE 527 2 AREA (SF) P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
175+90.31	TO	176+81.60	RT	61					
176+97.40	TO	177+36.35	RT	26					
177+52.25	TO	178+43.38	RT	61					
178+59.09	TO	179+01.98	RT	29					
179+17.79	TO	179+90.19	RT	48		18			
180+23.83	TO	183+91.92	RT	245		37			
184+17.42	TO	184+37.25	RT	13		19			
184+37.25	TO	184+64.74	RT	28				TRANSITION	
184+64.74	TO	196+97.01	RT	822					
196+97.01	TO	197+47.01	RT	37				TRANSITION	
197+47.01	TO	197+60.70	RT	9		16			
197+97.23	TO	198+11.89	RT	10		17			
198+11.89	TO	198+61.89	RT	36				TRANSITION	
198+61.89	TO	206+45.99	RT	523					
206+45.99	TO	206+82.89	RT	32				TRANSITION	
206+82.89	TO	207+25.19	RT	28					
207+34.13	TO	207+72.45	RT	26					
207+81.09	TO	208+38.47	RT	38					
208+54.41	TO	209+88.64	RT	89					
210+10.75	TO	210+59.36	RT	32		20			
210+87.16	TO	213+65.79	RT	186		18			
213+74.63	TO	214+11.25	RT	24					
214+20.18	TO	214+63.41	RT	29					
214+83.74	TO	215+25.22	RT	28					
215+34.00	TO	215+71.97	RT	25					
215+80.94	TO	216+06.79	RT	17					
216+17.65	TO	216+44.51	RT	18					
216+60.51	TO	220+12.61	RT	235					
220+22.57	TO	220+42.05	RT	13					
220+51.85	TO	223+37.48	RT	190		15			
223+72.67	TO	225+89.66	RT	145		19			
226+11.18	TO	226+68.94	RT	39					
226+93.19	TO	227+33.55	RT	27					
227+43.55	TO	227+79.54	RT	24					
227+89.54	TO	228+14.24	RT	16					
228+24.24	TO	228+61.78	RT	25					
228+71.78	TO	228+95.06	RT	16					
229+05.06	TO	229+41.73	RT	24					
229+52.20	TO	231+45.05	RT	129					
231+60.73	TO	233+34.97	RT	116		17			
233+66.99	TO	237+31.85	RT	243		40			
237+65.70	TO	240+41.17	RT	184		18			
240+57.16	TO	243+15.97	RT	173					
SHEET TOTAL				4117		253			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 15

SUMMARY OF SIDEWALK

LOCATION STA	TO	STA.	SIDE	SIDEWALK CONCRETE 6" THICKNESS 522 2 AREA (SY) P	F	DETECTABLE WARNING SURFACE 527 2 AREA (SF) P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
243+31.89	TO	247+13.61	RT	254					
247+29.72	TO	250+32.76	RT	202		26			
98+16.05	TO	98+46.00	RT	20				MILWAUKEE BLVD.	
98+46.00	TO	98+56.05	RT	6				MILWAUKEE BLVD. (TRANS.)	
98+56.05	TO	98+85.20	RT	19				MILWAUKEE BLVD.	
98+95.16	TO	99+23.28	RT	19				MILWAUKEE BLVD.	
99+23.28	TO	99+39.35	RT	11				MILWAUKEE BLVD. (TRANS.)	
99+39.35	TO	99+73.11	RT	26		29		MILWAUKEE BLVD.	
102+14.76	TO	102+19.76	LT	3				MILWAUKEE BLVD.	
102+29.74	TO	102+34.74	LT	3				MILWAUKEE BLVD.	
102+89.80	TO	103+08.98	LT	11				MILWAUKEE BLVD.	
103+53.98	TO	103+68.89	LT	20				MILWAUKEE BLVD.	
103+68.89	TO	103+75.63	RT	7				MILWAUKEE BLVD.	
	TO			0					
SHEET TOTAL				602		55			
PROJECT TOTAL				13852		984		SEE SUMMARY OF DRIVEWAYS FOR ADDITIONAL QUANTITY FOR PAY ITEM 522-2	

SUMMARY OF STABILIZATION, BASE AND MILLING

LOCATION STA	TO	STA.	SIDE	TYPE B STABILIZATION 160 4 AREA (SY) P	F	OPTIONAL BASE GROUP 9 285 709 AREA (SY) P	F	MILLING EXIST. ASPHALT PAVEMENT, 1" 327 70 1 AREA (SY) P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
56+44.65	TO	57+09.83	RT	139		131					
59+44.93	TO	60+35.99	RT					182			
75+51.18	TO	76+58.08	RT					198			
97+84.43	TO	98+93.99	RT					232			
113+04.04	TO	114+08.61	RT	231		222					
125+74.02	TO	126+85.25	RT					332			
128+98.68	TO	131+11.39	RT	499		482					
150+65.00	TO	151+70.00	LT/RT					1100			
160+48.93	TO	161+22.85	RT	174		166					
170+06.66	TO	170+74.72	RT	132		125					
183+74.30	TO	184+36.41	RT	95		89					
197+33.45	TO	198+37.29	RT	214		204					
210+43.87	TO	211+08.46	RT					116			
223+17.81	TO	223+93.67	RT					139			
233+20.02	TO	233+89.66	RT	109		103					
237+15.01	TO	237+83.70	RT					101			
102+80.00	TO	103+75.00	LT/RT					885		MILWAUKEE BLVD.	
	TO										
	TO										
	TO										
SHEET TOTAL				1592		1523		3284			
PROJECT TOTAL				1592		1523		3284			

SUMMARY OF ASPHALT

LOCATION STA	TO	STA.	SIDE	334 1 13 SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C AREA (SY)	THICKNESS (IN)	TONS P	F	337 7 82 ASPHALT CONCRETE FRICTION COURSE,TRAFFIC C, FC-9.5, PG 76-22 AREA (SY)	THICKNESS (IN)	TONS P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
56+44.65	TO	57+09.83	RT	127	1.5	10.5		127	1.0	7.0			
59+44.93	TO	60+35.99	RT					182	1.0	10.0			
75+51.18	TO	76+58.08	RT					198	1.0	10.9			
97+84.43	TO	98+93.99	RT					232	1.0	12.8			
113+04.04	TO	114+08.61	RT	217	1.5	17.9		217	1.0	11.9			
125+74.02	TO	126+85.25	RT					332	1.0	18.3			
128+98.68	TO	131+11.39	RT	472	1.5	38.9		472	1.0	26.0			
150+65.00	TO	151+70.00	LT/RT					1100	1.0	60.5		BELL BLVD @ MILWAUKEE BLVD	
160+48.93	TO	161+22.85	RT	162	1.5	13.4		162	1.0	8.9			
170+06.66	TO	170+74.72	RT	122	1.5	10.1		122	1.0	6.7			
183+74.30	TO	184+36.41	RT	86	1.5	7.1		86	1.0	4.7			
197+33.45	TO	198+37.29	RT	200	1.5	16.5		200	1.0	11.0			
210+43.87	TO	211+08.46	RT					116	1.0	6.4			
223+17.81	TO	223+93.67	RT					139	1.0	7.6			
233+20.02	TO	233+89.66	RT	100	1.5	8.3		100	1.0	5.5			
237+15.01	TO	237+83.70	RT					101	1.0	5.6			
102+81.76	TO	103+75.53	LT/RT					885	1.0	48.7		MILWAUKEE BLVD @ THOMAS SHERWIN AVE. S	
SHEET TOTAL				1486		122.6		4771		262.4			
PROJECT TOTAL				1486		122.6		4771		262.4			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

Q. Grady Minor and Associates, P.A.
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Bonita Springs, Florida 34134
Phone: 239.947.1144
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Cert. of Auth. EB 0005151 Cert. of Auth. LB 0003151 Business LC 26000266

LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 16

SUMMARY OF DRIVEWAYS AND REMOVAL OF EXIST. CONC.

LOCATION	SIDE	CONC. DRIVEWAYS 6" THICK (SY)		COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE, 6" THICK (CY)		REMOVAL OF EXIST. CONC. (SY)		DESIGN REMARKS	CONSTRUCTION REMARKS
STA		522 2		102-3		110-4-10			
		P	F	P	F	P	F		
51+15.58	RT	84		14.0		74			
77+64.56									
78+55.83	RT	85		14.1		78			
80+16.52	RT	85		14.2		83			
87+39.57	RT	85		14.2		83			
105+63.53	RT	84		14.0		79			
106+74.46	RT	84		14.1		75			
115+80.14	RT	84		14.0		79			
118+50.41	RT	84		14.0		78			
124+10.31	RT	93		15.5		86			
124+61.41	RT	83		13.9		76			
144+02.19	RT	41		6.9		35			
144+47.57	RT	41		6.9		35			
144+90.48	RT	50		8.4		43			
145+35.60	RT	41		6.9		35			
147+85.08	RT								
148+63.73	RT								
149+27.43	RT								
150+20.05	RT	55		9.1		52			
151+56.41	RT					19			
152+16.65	RT					3			
152+66.62	RT					3			
152+91.81	RT					11			
153+69.51	RT					3			
154+00.71	RT					8			
155+16.32	RT	74		12.4		63			
156+10.19	LT	69		11.5					
156+24.76	RT	70		11.7		62			
156+76.22	RT	70		11.6		61			
157+86.53	RT	72		11.9		63			
158+38.12	RT	73		12.1		63			
159+44.98	RT	75		12.5		66			
160+04.53	RT	77		12.8		67			
161+74.95	RT	85		14.2		79			
162+33.69	RT	85		14.1		77			
163+39.86	RT	85		14.1		78			
163+93.55	RT	84		14.0		80			
164+99.69	RT	85		14.1		79			
165+53.48	RT	85		14.1		79			
166+61.90	RT	83		13.9		79			
167+11.61	RT	86		14.3		80			
167+80.62	RT	64		10.7		57			
168+22.23	RT	87		14.4		79			
168+72.16	RT	94		15.6		87			
171+08.61	RT	80		13.4		79			
172+09.52	RT	84		14.0		81			
SHEET TOTAL		2747		457.8		2498			

SUMMARY OF DRIVEWAYS AND REMOVAL OF EXIST. CONC.

LOCATION	SIDE	CONC. DRIVEWAYS 6" THICK (SY)		COMMERCIAL MATERIAL FOR TEMPORARY DRIVEWAY MAINTENANCE, 6" THICK (CY)		REMOVAL OF EXIST. CONC. (SY)		DESIGN REMARKS	CONSTRUCTION REMARKS
STA		522 2		102-3		110-4-10			
		P	F	P	F	P	F		
172+64.14	RT	84		14.0		79			
173+69.91	RT	84		14.0		78			
174+24.20	RT	86		14.3		80			
175+31.20	RT	83		13.9		79			
175+82.35	RT	84		14.0		80			
176+89.50	RT	83		13.8		79			
177+44.30	RT	85		14.2		80			
178+51.24	RT	85		14.2		79			
179+09.89	RT	85		14.1		80			
207+29.66	RT	54		9.0		50			
207+76.77	RT	54		8.9		50			
208+46.44	RT	86		14.3		78			
210+00.00	RT	112		18.7		112			
213+70.25	RT	53		8.8		47			
214+15.72	RT	53		8.9		47			
214+73.58	RT	106		17.7		103			
215+29.61	RT	52		8.6		46			
215+76.46	RT	53		8.8		48			
216+12.22	RT	63		10.6		7			
216+52.51	RT	87		14.5		7			
220+17.59	RT	74		12.4		65			
220+46.95	RT	73		12.2		66			
226+00.42	RT	115		19.1		106			
226+86.19	RT	116		19.4		111			
227+38.55	RT	58		9.6		48			
227+84.54	RT	57		9.5		50			
228+19.24	RT	58		9.6		48			
228+66.78	RT	57		9.6		50			
229+00.06	RT	57		9.5		48			
229+46.97	RT	59		9.9		54			
231+52.89	RT	84		14.0		77			
240+49.16	RT	85		14.2		80			
243+23.93	RT	85		14.1		83			
247+21.66	RT	90		15.0		81			
98+80.00	RT	24		4.0		24		MILWAUKEE BLVD.	
102+14.76	LT					3		MILWAUKEE BLVD.	
102+29.70	LT					3		MILWAUKEE BLVD.	
102+89.80	LT					9		MILWAUKEE BLVD.	
102+94.83	LT					3		MILWAUKEE BLVD.	
102+94.83	LT					3		MILWAUKEE BLVD.	
FUTURE		375		62.5		375		COUNTY CONTROLLED ALLOWANCE FOR FUTURE HOME SITES (ASSUMED 5 NEW HOMES)	
SHEET TOTAL		2999		499.9		2697			
PROJECT TOTAL		5746		957.7		5195		SEE SUMMARY OF SIDEWALK FOR ADDITIONAL QUANTITY FOR PAY ITEM 522-2	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 17

SUMMARY OF MAILBOXES

LOCATION STA	SIDE	MAILBOX, F&I SINGLE (EA) 110 7 1 P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
51+34.00	RT	1			
77+44.50	RT	1			
78+34.50	RT	1			
79+95.00	RT	1			
87+61.50	RT	1			
105+85.50	RT	1			
106+96.50	RT	1			
114+16.00	RT	1			
116+02.00	RT	1			
118+73.00	RT	1			
123+77.50	RT	1			
124+82.50	RT	1			
144+20.50	RT	1			
144+29.00	RT	1			
144+72.00	RT	1			
145+54.00	RT	1			
148+02.00	RT	1			
148+47.00	RT	1			
149+50.00	RT	1			
149+97.00	RT	1			
155+38.50	RT	1			
156+46.50	RT	1			
156+98.00	RT	1			
157+65.00	RT	1			
158+16.00	RT	1			
159+23.00	RT	1			
159+82.00	RT	1			
161+53.00	RT	1			
162+55.50	RT	1			
163+19.00	RT	1			
163+72.00	RT	1			
164+78.00	RT	1			
165+75.00	RT	1			
166+40.00	RT	1			
167+33.50	RT	1			
168+00.00	RT	1			
168+44.00	RT	1			
168+94.00	RT	1			
171+28.00	RT	1			
171+88.00	RT	1			
172+86.50	RT	1			
173+92.00	RT	1			
174+46.00	RT	1			
SHEET TOTAL		43			

SUMMARY OF MAILBOXES

LOCATION STA	SIDE	MAILBOX, F&I SINGLE (EA) 110 7 1 P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
175+09.50	RT	1			
175+60.00	RT	1			
176+68.00	RT	1			
177+23.00	RT	1			
178+29.50	RT	1			
178+88.00	RT	1			
207+53.00	RT	2			
208+25.00	RT	1			
209+77.00	RT	1			
213+91.00	RT	1			
213+94.50	RT	1			
214+31.00	RT	1			
214+50.00	RT	1			
216+31.50	RT	2			
220+00.00	RT	1			
220+66.00	RT	1			
225+77.00	RT	1			
226+24.00	RT	1			
226+56.00	RT	1			
227+03.50	RT	1			
227+62.00	RT	2			
228+44.00	RT	2			
229+24.50	RT	2			
231+75.00	RT	1			
240+27.50	RT	1			
243+02.00	RT	1			
247+00.00	RT	1			
SHEET TOTAL		32			
PROJECT TOTAL		75			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 18

SUMMARY OF SIGNAGE AND STRIPING

LOCATION	SIDE	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF		SINGLE POST SIGN, RELOCATE		SINGLE POST SIGN, REMOVE		OBJECT MARKER, TYPE 2		THRMPLSTC., STANDARD, WHITE, SOLID, 6"		THRMPLSTC., STANDARD YELLOW, SOLID, 6"		THRMPLSTC., STANDARD, WHITE, 12"		THRMPLSTC., STANDARD WHITE 24"		THRMPLSTC., PREFORMED WHITE 24"		THRMPLSTC., STANDARD YELLOW SOLID, 18" FOR DIAGONAL		DESIGN REMARKS	CONSTRUCTION REMARKS
		700-1-11		700 1 50		700 1 60		705 10 2		711 16101		711 16201		711 11123		711 11125		711 14125		711 11224			
STA		AS		AS		AS		EA		GM		GM		LF		LF		LF		LF			
		P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F	P	F		
31+00.00	RT			1																			
33+00.00	RT													101		18							
35+30.00	RT					1																	
45+25.00	RT													98		13							
56+80.00	RT													70		11							
59+90.00	RT													86		13							
72+05.00	RT													90		14							
76+05.00	RT													114		14							
88+75.00	RT													98		14							
92+55.00	RT													88		15							
98+35.00	RT													94		13							
109+80.00	RT													70		10							
113+60.00	RT													100		14							
115+25.00	RT			1																			
125+20.00	RT			1																			
126+30.00	RT													100		15							
126+60.00	RT			1																			
128+20.00	RT			1																			
129+80.00	RT			1																			
130+45.00	RT													133		20							
130+75.00	RT			1																			
145+80.00	RT			1																			
147+65.00	RT			1																			
149+75.00	RT			1																			
151+15.00	RT									0.004		0.015		128		26		100		20		BELL BLVD. EAST SIDE OF INT.	
151+15.00	LT													112				90				BELL BLVD. WEST SIDE OF INT.	
154+33.00	LT													95		16							
155+75.00	RT			1																			
156+50.00	RT					1																	
160+90.00	RT													88		15							
170+43.00	RT													86		12							
180+10.00	RT													84		11							
184+05.00	RT													70		10							
197+80.00	RT													88		14							
210+75.00	RT													75		10							
215+93.96	RT							4														STORM DRAIN STRUCTURE (S-79)	
216+33.23	RT							4														STORM DRAIN STRUCTURE (S-81)	
220+32.31	RT							4														STORM DRAIN STRUCTURE (S-84)	
223+50.00	RT													88		14							
228+01.06	RT							4														STORM DRAIN STRUCTURE (S-93)	
228+83.35	RT							4														STORM DRAIN STRUCTURE (S-97)	
233+50.00	RT													82		13							
237+50.00	RT													90		13							
250+25.00	RT	1																					
100+00.00	RT													138				110				MILWAUKEE BLVD. SOUTH SIDE OF INT	
100+00.00	LT													138				110				MILWAUKEE BLVD. NORTH SIDE OF INT	
103+30.00	LT													99		17		70				MILWAUKEE BLVD. NORTH SIDE OF INT	
103+30.00	LT/RT													128				100				THOMAS SHERWIN AVE. EAST SIDE	
PROJECT TOTAL		1		11		2		20		0.004		0.015		2831		355		580		20			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 19

SUMMARY OF PERFORMANCE TURF, SOD

LOCATION STA	TO	STA.	SIDE	AVG WIDTH (FT)	PEFFORMANCE TURF, SOD (SY) 570 1 2 SY P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
30+91.31	TO	32+80.93	RT	16.9	356			
33+22.60	TO	45+05.25	RT	11.5	1514			
45+44.45	TO	51+07.64	RT	6.5	409			
51+23.51	TO	56+61.40	RT	3.3	198			
56+89.68	TO	59+70.32	RT	2.8	88			
60+06.31	TO	71+87.86	RT	5.0	658			
72+22.57	TO	75+81.74	RT	3.8	153			
76+26.83	TO	77+54.81	RT	6.4	91			
77+74.27	TO	78+48.04	RT	15.6	127			
78+63.70	TO	80+08.69	RT	6.5	105			
80+24.52	TO	87+31.60	RT	5.7	448			
87+47.53	TO	88+48.60	RT	5.1	57			
88+89.62	TO	92+39.36	RT	10.8	420			
92+75.75	TO	98+16.29	RT	8.7	525			
98+55.80	TO	105+55.62	RT	8.8	685			
105+71.44	TO	106+66.54	RT	5.6	59			
106+82.38	TO	109+66.11	RT	8.4	264			
109+93.09	TO	113+34.36	RT	10.0	379			
113+76.82	TO	115+72.20	RT	5.9	128			
115+88.09	TO	118+42.50	RT	15.2	430			
118+58.32	TO	124+01.30	RT	6.3	381			
124+19.32	TO	124+53.53	RT	27.3	104			
124+69.30	TO	126+15.13	RT	15.0	242			
126+57.59	TO	130+15.92	RT	13.7	547			
130+68.26	TO	143+97.78	RT	10.0	1479			
144+06.59	TO	144+43.06	RT	22.6	91			
144+52.09	TO	144+86.02	RT	21.8	82			
144+94.93	TO	145+31.20	RT	22.7	91			
145+39.99	TO	147+79.39	RT	12.2	325			
147+90.76	TO	148+58.03	RT	17.1	128			
148+69.43	TO	149+19.60	RT	16.5	92			
149+35.26	TO	150+10.72	RT	16.7	140			
150+29.50	TO	150+90.11	RT		85			
154+00.71	TO	155+07.68	RT	14.9	177			
155+24.83	TO	156+16.85	RT	28.5	292			
156+32.67	TO	156+68.29	RT	25.3	100			
156+84.14	TO	157+78.56	RT	28.6	300			
157+94.46	TO	158+30.19	RT	30.3	120			
158+46.03	TO	159+37.05	RT	30.6	309			
159+52.92	TO	159+96.57	RT	30.9	150			
160+12.49	TO	160+71.30	RT	30.9	202			
161+09.70	TO	161+67.05	RT	28.0	178			
SHEET TOTAL					12711			

SUMMARY OF PERFORMANCE TURF, SOD

LOCATION STA	TO	STA.	SIDE	AVG WIDTH (FT)	PEFFORMANCE TURF, SOD (SY) 570 1 2 SY P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
161+82.86	TO	162+25.80	RT	23.0	110			
162+41.57	TO	163+31.98	RT	23.8	239			
163+47.75	TO	163+85.62	RT	27.8	117			
164+01.47	TO	164+91.82	RT	26.3	264			
165+07.57	TO	165+45.61	RT	22.8	96			
165+61.35	TO	166+54.05	RT	19.5	201			
166+69.74	TO	167+03.69	RT	26.2	99			
167+19.52	TO	167+74.48	RT	21.9	134			
167+86.52	TO	168+14.31	RT	20.0	62			
168+30.15	TO	168+64.16	RT	21.6	82			
168+80.16	TO	170+25.93	RT	18.7	303			
170+59.75	TO	171+00.80	RT	22.8	104			
171+16.65	TO	172+01.55	RT	19.0	179			
172+17.49	TO	172+56.20	RT	22.7	98			
172+72.08	TO	173+62.02	RT	3.8	38			
173+77.80	TO	174+16.30	RT	5.0	21			
174+32.09	TO	175+23.30	RT	5.1	52			
175+39.12	TO	175+74.39	RT	4.8	19			
175+90.31	TO	176+81.60	RT	5.4	55			
176+97.40	TO	177+36.35	RT	6.0	26			
177+52.25	TO	178+43.38	RT	6.7	68			
178+59.09	TO	179+01.98	RT	3.3	15			
179+17.79	TO	179+90.19	RT	4.4	35			
180+23.83	TO	183+91.92	RT	2.7	110			
184+17.42	TO	197+60.70	RT	5.8	859			
197+97.23	TO	207+25.19	RT	7.1	730			
207+34.13	TO	207+72.45	RT	2.3	10			
207+81.09	TO	208+38.47	RT	2.4	15			
208+54.41	TO	209+88.64	RT	1.9	28			
210+10.75	TO	210+59.36	RT	3.1	17			
210+87.60	TO	213+65.79	RT	13.0	402			
213+74.63	TO	214+11.25	RT	23.3	95			
214+20.18	TO	214+63.41	RT	25.6	123			
214+83.74	TO	215+25.22	RT	23.3	108			
215+34.00	TO	215+71.97	RT	18.6	79			
215+80.94	TO	216+06.79	RT	30.6	88			
216+17.65	TO	216+44.51	RT	29.2	87			
216+60.51	TO	220+12.61	RT	18.7	733			
220+22.57	TO	220+42.05	RT	32.6	71			
220+51.85	TO	223+37.48	RT	16.7	530			
223+72.67	TO	225+89.66	RT	1.9	45			
226+11.18	TO	226+68.94	RT	5.3	34			
226+93.19	TO	227+33.55	RT	21.1	94			
SHEET TOTAL					6561			

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

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BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 20

SUMMARY OF PERFORMANCE TURF, SOD

LOCATION STA		STA.	SIDE	AVG WIDTH (FT)	PEFFORMANCE TURF, SOD (SY) 570 1 2		DESIGN REMARKS	CONSTRUCTION REMARKS
					SY			
					P	F		
227+43.55	TO	227+79.54	RT	20.0	80			
227+89.54	TO	228+14.24	RT	15.1	41			
228+24.24	TO	228+61.78	RT	3.5	15			
228+71.78	TO	228+95.06	RT	15.1	39			
229+05.06	TO	229+41.73	RT	19.5	79			
229+52.20	TO	231+45.05	RT	2.3	48			
231+60.73	TO	233+34.97	RT	1.9	37			
233+66.99	TO	237+31.85	RT	4.2	171			
237+65.70	TO	240+41.17	RT	2.5	78			
240+57.16	TO	243+15.97	RT	3.8	108			
243+31.89	TO	247+13.61	RT	5.9	251			
247+29.72	TO	250+32.76	RT	2.2	73			
151+48.94	TO	154+10.30	LT	11.6	337			
154+54.77	TO	156+02.18	LT	9.8	161			
156+18.24	TO	158+15.81	LT	13.2	290			
98+16.05	TO	98+85.20	RT	7.3	56		MILWAUKEE BLVD.	
98+95.16	TO	99+73.11	RT		137		MILWAUKEE BLVD.	
102+89.79	TO	103+08.98	LT	4.0	9		MILWAUKEE BLVD.	
103+53.98	TO	103+68.89	LT		27			
103+63.89	TO	103+68.89	RT		6			
TO					0			
TO					0			
TO					0			
SHEET TOTAL					2042			
PROJECT TOTAL					21314			

SUMMARY OF ROOT BARRIER

LOCATION STA	SIDE	ROOT BARRIER- 24" (LF) 580 12 35		DESIGN REMARKS	CONSTRUCTION REMARKS
		P	F		
131+13.00	RT	63			
132+10.00	RT	52			
133+07.00	RT	29			
135+40.00	RT	20			
135+95.00	RT	39			
137+94.00	RT	61			
138+88.00	RT	63			
140+07.50	RT	80			
141+27.00	RT	80			
173+17.00	RT	48			
178+03.00	RT	48			
179+40.00	RT	24			
183+19.00	RT	58			
187+24.00	RT	31			
188+50.00	RT	31			
190+80.00	RT	48			
192+00.00	RT	46			
193+20.00	RT	19			
194+50.00	RT	35			
195+60.00	RT	26			
202+80.00	RT	49			
203+80.00	RT	49			
205+00.00	RT	51			
206+20.00	RT	20			
211+40.00	RT	49			
212+80.00	RT	41			
225+40.00	RT	48			
229+20.00	RT	35			
236+50.00	RT	37			
238+50.00	RT	48			
239+80.00	RT	43			
242+40.00	RT	42			
243+40.00	RT	49			
245+00.00	RT	46			
246+00.00	RT	43			
247+00.00	RT	60			
PROJECT TOTAL		1611			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA	TO	STA.	SIDE	SEDIMENT BARRIER 104 10 3 LF P	SEDIMENT BARRIER 104 10 3 LF F	INLET PROTECTION SYSTEM 104 18 EA P	INLET PROTECTION SYSTEM 104 18 EA F	DESIGN REMARKS	CONSTRUCTION REMARKS
30+91.31	TO	32+90.00	RT	199					
33+10.00	TO	45+10.00	RT	1200					
45+45.00	TO	51+07.64	RT	563					
51+20.00	TO	51+20.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
51+23.51	TO	56+65.00	RT	541					
51+30.00	TO	51+30.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
56+90.00	TO	59+70.00	RT	280					
60+05.00	TO	71+90.00	RT	1185					
72+10.00	TO	75+90.00	RT	380					
76+15.00	TO	77+54.81	RT	140					
77+74.27	TO	78+48.04	RT	74					
78+40.00	TO	78+40.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
78+63.70	TO	80+08.69	RT	145					
78+80.00	TO	78+80.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
80+00.00	TO	80+00.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
80+24.52	TO	87+31.60	RT	707					
80+30.00	TO	80+30.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
87+20.00	TO	87+20.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
87+47.53	TO	88+40.00	RT	92					
87+60.00	TO	87+60.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
88+80.00	TO	92+40.00	RT	360					
92+70.00	TO	98+20.00	RT	550					
98+70.00	TO	105+55.62	RT	686					
105+50.00	TO	105+50.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
105+71.44	TO	106+66.54	RT	95					
105+80.00	TO	105+80.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
106+60.00	TO	106+60.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
106+82.38	TO	109+65.00	RT	283					
106+90.00	TO	106+90.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
109+65.00	TO	109+65.00	RT			1		INLET PROTECTION FOR CROSS DRAIN AT COLYER ST.	
109+95.00	TO	109+95.00	RT			1		INLET PROTECTION FOR CROSS DRAIN AT COLYER ST.	
109+95.00	TO	113+40.00	RT	345					
113+75.00	TO	115+72.20	RT	197					
115+60.00	TO	115+60.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
115+88.09	TO	118+42.50	RT	254					
115+95.00	TO	115+95.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
118+30.00	TO	118+30.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
118+58.32	TO	124+01.30	RT	543					
118+65.00	TO	118+65.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
123+90.00	TO	123+90.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
124+19.32	TO	124+53.53	RT	34					
124+25.00	TO	124+25.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
124+40.00	TO	124+40.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
124+69.30	TO	126+20.00	RT	151					
SHEET TOTAL				9004		21			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA	TO	STA.	SIDE	SEDIMENT BARRIER 104 10 3 LF P	SEDIMENT BARRIER 104 10 3 LF F	INLET PROTECTION SYSTEM 104 18 EA P	INLET PROTECTION SYSTEM 104 18 EA F	DESIGN REMARKS	CONSTRUCTION REMARKS
124+80.00	TO	124+80.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
126+70.00	TO	130+20.00	RT	350					
128+50.00	TO	128+50.00	RT			1		CROSS DRAIN BELL BLVD.	
130+55.00	TO	143+97.78	RT	1343					
143+76.47	TO	143+97.78	RT	21					
144+06.59	TO	144+43.06	RT	36					
144+52.09	TO	144+86.02	RT	34					
144+94.93	TO	145+31.20	RT	36					
145+39.99	TO	147+79.39	RT	239					
147+90.76	TO	148+58.03	RT	67					
148+69.43	TO	149+19.60	RT	50					
149+35.26	TO	150+10.72	RT	75					
150+29.50	TO	150+90.00	RT	61					
151+50.00	TO	154+15.00	LT	265					
152+75.00	TO	152+75.00	LT			1		INLET PROTECTION FOR DBI AT EXIST. SIDEWALK	
153+00.00	TO	153+00.00	LT			1		INLET PROTECTION FOR SIDE DRAIN AT EXIST. SIDEWALK	
153+85.00	TO	155+07.68	RT	123					
154+50.00	TO	155+95.00	LT	145					
155+24.83	TO	156+16.85	RT	92					
156+19.00	TO	158+18.00	LT	199					
156+32.67	TO	156+68.29	RT	36					
156+84.14	TO	157+78.56	RT	94					
157+94.46	TO	158+30.19	RT	36					
158+46.03	TO	159+37.05	RT	91					
159+52.92	TO	159+96.57	RT	44					
160+12.49	TO	160+80.00	RT	68					
161+10.00	TO	161+67.05	RT	57					
161+82.86	TO	162+25.80	RT	43					
162+41.57	TO	163+31.98	RT	90					
163+47.75	TO	163+85.62	RT	38					
164+01.47	TO	164+91.82	RT	90					
165+07.57	TO	165+45.61	RT	38					
165+21.00	TO	165+21.00	RT			1		INLET PROTECTION FOR CATCH BASIN	
165+61.35	TO	166+54.05	RT	93					
166+69.74	TO	167+03.69	RT	34					
167+19.52	TO	167+74.48	RT	55					
167+86.52	TO	168+14.31	RT	28					
168+30.15	TO	168+64.16	RT	34					
164+80.16	TO	170+30.00	RT	550					
170+55.00	TO	171+00.80	RT	46					
170+95.00	TO	170+95.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
171+16.65	TO	172+01.55	RT	85					
171+25.00	TO	171+25.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
171+95.00	TO	171+95.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
172+17.49	TO	172+56.20	RT	39					
172+25.00	TO	172+25.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
SHEET TOTAL				4825		9			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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Phone: 239.947.1144
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Cert. of Auth. CO 5005151 Cert. of Auth. LO 0005151 Business LC 26000266

LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 22

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA	TO	STA.	SIDE	SEDIMENT BARRIER 104 10 3 LF P	SEDIMENT BARRIER 104 10 3 LF F	INLET PROTECTION SYSTEM 104 18 EA P	INLET PROTECTION SYSTEM 104 18 EA F	DESIGN REMARKS	CONSTRUCTION REMARKS
172+53.00	TO	172+53.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
172+72.08	TO	173+62.02	RT	90					
172+80.00	TO	172+80.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
173+55.00	TO	173+55.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
173+77.80	TO	174+16.30	RT	39					
173+85.00	TO	173+85.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
174+10.00	TO	174+10.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
174+32.09	TO	175+23.30	RT	91					
174+40.00	TO	174+40.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
175+15.00	TO	175+15.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
175+39.12	TO	175+74.39	RT	35					
175+45.00	TO	175+45.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
175+65.00	TO	175+65.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
175+90.31	TO	176+81.60	RT	91					
176+00.00	TO	176+00.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
176+70.00	TO	176+70.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
176+97.40	TO	177+36.35	RT	39					
177+10.00	TO	177+10.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
177+25.00	TO	177+25.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
177+52.25	TO	178+43.38	RT	91					
177+60.00	TO	177+60.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
178+30.00	TO	178+30.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
178+59.09	TO	179+01.98	RT	43					
178+70.00	TO	178+70.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
178+95.00	TO	178+95.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
179+17.79	TO	179+95.00	RT	77					
179+30.00	TO	179+30.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
179+85.00	TO	179+85.00	RT			1		THEODORE VAIL ST. SIDE DRAIN	
180+15.00	TO	183+95.00	RT	380		1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
180+25.00	TO	180+25.00	RT			1		THEODORE VAIL ST. SIDE DRAIN	
181+80.00	TO	181+80.00	RT			1			
184+15.00	TO	197+65.00	RT	1350					
197+90.00	TO	207+25.19	RT	935					
207+25.00	TO	207+25.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
207+34.13	TO	207+72.45	RT	38					
207+40.00	TO	207+40.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
207+70.00	TO	207+70.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
207+81.09	TO	208+38.47	RT	57					
207+85.00	TO	207+85.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
208+30.00	TO	208+30.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
208+54.41	TO	209+88.64	RT	134					
208+65.00	TO	208+65.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
SHEET TOTAL				3492		28			

SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

LOCATION STA	TO	STA.	SIDE	SEDIMENT BARRIER 104 10 3 LF P	SEDIMENT BARRIER 104 10 3 LF F	INLET PROTECTION SYSTEM 104 18 EA P	INLET PROTECTION SYSTEM 104 18 EA F	DESIGN REMARKS	CONSTRUCTION REMARKS
209+80.00	TO	209+80.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
210+10.75	TO	210+59.36	RT	49					
210+15.00	TO	210+15.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
210+85.00	TO	213+65.79	RT	281					
213+74.63	TO	214+11.25	RT	37					
214+20.18	TO	214+63.41	RT	43					
214+83.74	TO	215+25.22	RT	41					
215+34.00	TO	215+71.97	RT	38					
215+80.94	TO	216+06.79	RT	26					
216+17.65	TO	216+44.51	RT	27					
216+60.51	TO	220+00.00	RT	339					
220+22.57	TO	220+42.05	RT	19					
220+60.00	TO	223+45.00	RT	285					
223+60.00	TO	225+89.66	RT	230					
226+11.18	TO	226+68.94	RT	58					
226+93.19	TO	227+33.55	RT	40					
227+43.55	TO	227+79.54	RT	36					
227+89.54	TO	228+14.24	RT	25					
228+24.24	TO	228+61.78	RT	38					
228+71.78	TO	228+95.06	RT	23					
229+05.06	TO	229+41.73	RT	37					
229+52.20	TO	231+45.05	RT	193					
231+60.73	TO	233+38.00	RT	177					
233+65.00	TO	237+35.00	RT	370					
237+62.00	TO	240+41.17	RT	279					
240+30.00	TO	240+30.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
240+57.16	TO	243+15.97	RT	259					
240+60.00	TO	240+60.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
243+10.00	TO	243+10.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
243+31.89	TO	247+13.61	RT	382				MILWAUKEE BLVD.	
243+60.00	TO	243+60.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
247+00.00	TO	247+00.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
247+29.72	TO	250+40.00	RT	310				MILWAUKEE BLVD.	
247+40.00	TO	247+40.00	RT			1		INLET PROTECTION FOR SIDE DRAIN AT DRIVEWAY	
98+16.05	TO	99+40.00	RT	124				MILWAUKEE BLVD.	
102+89.80	TO	103+15.00	RT	25					
103+50.00	TO	103+70.00	RT	20					
	TO		RT						
	TO		RT						
	TO		RT						
SHEET TOTAL				3811		8			
PROJECT QUANTITY				21130		66			

REVISIONS DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 23

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION			SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL 107 1				MOWING 107 2				DESIGN NOTES	CONSTRUCTION NOTES
							CYCLES	AREA	TOTAL (AC)		CYCLES	AREA	TOTAL (AC)			
	STATION	TO	STATION					AC/CYCLE	P	F		AC/CYCLE	P	F		
1	30+91.31	TO	126+15.13	RT	300	30	10	8.96	89.64			8.96	89.64			
1	126+15.13	TO	130+13.45	RT	300	30	10	0.28	2.83			0.28	2.83			
1	130+13.45	TO	145+41.46	RT	300	30	10	1.23	12.28			1.23	12.28			
1	145+41.46	TO	150+94.38	RT	300	30	10	0.39	3.93			0.39	3.93			
1	151+69.76	TO	158+18.50	LT	300	30	10	0.52	5.21			0.52	5.21			
1	154+10.00	TO	160+71.30	RT	300	30	10	0.47	4.71			0.47	4.71			
1	160+71.30	TO	184+37.25	RT	300	30	10	2.23	22.27			2.23	22.27			
1	184+37.25	TO	206+82.89	RT	300	30	10	2.11	21.14			2.11	21.14			
1	206+82.89	TO	250+32.76	RT	300	30	10	4.09	40.94			4.09	40.94			
1	98+16.05	TO	103+69.00	LT/RT	300	30	10	1.27	12.69			1.27	12.69		MILWAUKEE BLVD.	
		TO														
								TOTAL	215.65			TOTAL	215.65			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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Certificate of Auth. CA 0005151 Certificate of Auth. LB 0005151 Business LC 26000266

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 24

SUMMARY OF DESILTING PIPE

LOCATION STA	SIDE	DESILTING PIPE, 0-24" (LF) 430 94 1 P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
43+50.00	LT	32			
51+15.00	RT	32			
67+90.00	LT	32			
78+55.00	RT	26			
80+20.00	RT	32			
82+50.00	LT	71			
83+40.00	LT	26			
84+20.00	LT	32			
86+60.00	LT	40			
87+20.00	LT	40			
87+50.00	RT	32			
92+50.00	RT	90		2-24" PIPES	
105+60.00	RT	32			
106+75.00	RT	40			
109+80.00	RT	32			
115+80.00	RT	32			
117+75.00	LT	40			
118+50.00	RT	32			
119+80.00	LT	32			
124+10.00	RT	32			
124+60.00	RT	40			
128+50.64	LT/RT	130		CROSS DRAIN	
130+50.00	LT	75			
137+90.00	LT	40			
141+90.00	LT	40			
142+80.00	LT	32			
144+40.00	LT	32			
148+40.00	LT	31			
149+00.00	LT	30			
150+05.00	LT	32			
152+90.00	LT	34			
164+60.00	LT	24			
165+20.00	LT	94		CROSS DRAIN	
171+10.00	RT	32			
171+45.00	LT	30			
171+90.00	LT	31			
172+10.00	RT	32			
172+65.00	RT	32			
173+10.00	LT	32			
173+70.00	LT	31			
173+75.00	RT	32			
174+25.00	RT	31			
174+70.00	LT	31			
175+25.00	LT	30			
175+30.00	RT	32			
SHEET TOTAL		1767			

SUMMARY OF DESILTING PIPE

LOCATION STA	SIDE	DESILTING PIPE, 0-24" 430 94 1 P	F	DESIGN REMARKS	CONSTRUCTION REMARKS
175+80.00	RT	32			
176+90.00	RT	32			
177+45.00	RT	32			
178+50.00	RT	32			
179+10.00	RT	32			
180+00.00	RT	36			
192+70.00	LT	24			
193+10.00	LT	24			
199+40.00	LT	26			
199+70.00	LT	18			
201+10.00	LT	72			
203+60.00	LT	40			
205+90.00	LT	40			
207+30.00	RT	14			
207+75.00	RT	16			
208+50.00	RT	32			
209+90.00	LT	40			
210+00.00	RT	40			
222+00.00	LT	40			
222+50.00	LT	24			
223+00.00	LT	24			
228+50.00	RT	68			
240+50.00	RT	32			
243+25.00	RT	32			
247+20.00	RT	32			
99+00.00	RT	32		MILWAUKEE BOULEVARD	
SHEET TOTAL		866			
PROJECT TOTAL		2633			

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

GradyMinor
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R. DANIEL FLYNN, P.E. NO. 76205

LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF QUANTITIES

SHEET NO. 25

SUMMARY OF DRAINAGE STRUCTURES:

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP		STORM DRAIN ERCP	SIDE DRAIN MES		MANHOLES	DITCH BOTTOM INLETS	REMARKS
											P-8	C	
						18"	24"	12"X18"	18"	12"X18"	< 10'	<10'	
P	S-1	77+49.81	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-2	77+78.35	RT	Mitered End Section						1			
F													
P	S-5	126+65.93	RT	DBI, Pipe	1	185						1	
F													
P	S-6	128+50.64	RT	DBI, Pipe	1		5					1	CROSS DRAIN TO CONC. JACKET
F													
P	S-7	129+35.51	RT	Manhole, Pipe	1	88					1		
F													
P	S-8	129+99.94	RT	DBI, Pipe	1	68						1	
F													
P	S-9	130+73.55	RT	DBI, Pipe	1	74						1	
F													
P	S-10	130+97.16	RT	Mitered End Section		31			1				
F													
P	S-11	143+47.46	RT	DBI, Pipe	1	43						1	
F													
P	S-12	143+87.78	RT	DBI, Pipe	1	37						1	
F													
P	S-13	144+25.22	RT	DBI, Pipe	1	38						1	
F													
P	S-14	144+62.81	RT	DBI, Pipe	1	52						1	
F													
P	S-15	145+14.32	RT	DBI, Pipe	1	48						1	
F													
P	S-16	145+62.26	RT	DBI, Pipe	1	113						1	
F													
P	S-17	146+74.74	RT	DBI, Pipe	1	95						1	
F													
P	S-18	147+69.39	RT	DBI, Pipe	1	57						1	
F													
P	S-19	148+26.76	RT	DBI, Pipe	1	56						1	
F													
P	S-20	148+83.19	RT	DBI, Pipe	1	91						1	
F													
P	S-21	149+74.14	RT	DBI, Pipe	1	73						1	
F													
P	S-22	150+47.51	RT	DBI								1	
F													
P	S-23	154+12.16	RT	DBI, Pipe	1	37						1	
F													
P	S-24	154+49.23	RT	DBI								1	
F													
P	S-25	154+97.44	RT	Mitered End Section, Pipe	1			32		1			
F													
P	S-26	155+35.04	RT	Mitered End Section						1			
F													
P	S-27	156+06.70	RT	Mitered End Section, Pipe	1			32		1			
F													
P	S-28	156+42.75	RT	Mitered End Section						1			
F													
				SHEET TOTAL		1186	5	88	1	6	1	18	

REVISIONS

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 26

SUMMARY OF DRAINAGE STRUCTURES:

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP		STORM DRAIN ERCP	SIDE DRAIN MES		MANHOLES	DITCH BOTTOM	REMARKS
						18"	24"	12"X18"	18"	12"X18"	P-8 < 10'	C <10'	
P	S-29	156+58.23	RT	Mitered End Section, Pipe	1			32		1			
F													
P	S-30	156+94.28	RT	Mitered End Section						1			
F													
P	S-31	157+68.99	RT	Mitered End Section, Pipe	1			32		1			
F													
P	S-32	158+03.75	RT	Mitered End Section						1			
F													
P	S-33	158+23.69	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-34	158+52.23	RT	Mitered End Section						1			
F													
P	S-35	159+30.71	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-36	159+59.25	RT	Mitered End Section						1			
F													
P	S-37	159+90.27	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-38	160+18.81	RT	Mitered End Section						1			
F													
P	S-39	161+60.87	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-40	161+89.41	RT	Mitered End Section						1			
F													
P	S-41	162+19.46	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-42	162+48.00	RT	Mitered End Section						1			
F													
P	S-43	163+25.59	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-44	163+54.13	RT	Mitered End Section						1			
F													
P	S-45	163+79.27	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-46	164+07.81	RT	Mitered End Section						1			
F													
P	S-47	164+85.09	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-48	165+13.63	RT	Mitered End Section						1			
F													
P	S-49	165+39.15	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-50	165+67.69	RT	Mitered End Section						1			
F													
P	S-51	166+47.68	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-52	166+76.22	RT	Mitered End Section						1			
F													
P	S-53	166+97.35	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-54	167+25.89	RT	Mitered End Section						1			
F													
				SHEET TOTAL		0	0	328	0	26	0	0	

REVISIONS

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GradyMinor
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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF DRAINAGE STRUCTURES

SUMMARY OF DRAINAGE STRUCTURES:

QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP		STORM DRAIN ERCP	SIDE DRAIN MES		MANHOLES	DITCH BOTTOM	REMARKS
						18"	24"	12"X18"	18"	12"X18"	P-8 < 10'	C <10'	
P	S-55	167+66.16	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-56	167+94.70	RT	Mitered End Section						1			
F													
P	S-57	168+08.37	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-58	168+36.91	RT	Mitered End Section						1			
F		Q											
P	S-59	168+57.89	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-60	168+86.43	RT	Mitered End Section						1			
F													
P	S-61	184+39.80	RT	DBI, Pipe	1	31						1	
F													
P	S-62	184+63.97	RT	DBI								1	
F													
P	S-63	197+17.63	RT	DBI, Pipe	1	33						1	
F													
P	S-64	197+48.12	RT	DBI								1	
F													
P	S-65	198+14.45	RT	DBI, Pipe	1	35						1	
F													
P	S-66	198+47.83	RT	DBI								1	
F													
P	S-67	206+47.84	RT	DBI, Pipe	1	37						1	
F													
P	S-68	206+83.68	RT	DBI								1	
F													
P	S-69	213+59.91	RT	Mitered End Section, Pipe	1			16		1			
F													
P	S-70	213+80.45	RT	Mitered End Section						1			
F													
P	S-71	214+05.48	RT	Mitered End Section, Pipe	1			16		1			
F													
P	S-72	214+26.02	RT	Mitered End Section						1			
F													
P	S-73	214+54.95	RT	Mitered End Section, Pipe	1			32		1			
F													
P	S-74	214+91.49	RT	Mitered End Section						1			
F													
P	S-75	215+19.36	RT	Mitered End Section, Pipe	1			16		1			
F													
P	S-76	215+39.90	RT	Mitered End Section						1			
F													
P	S-77	215+59.69	RT	Mitered End Section, Pipe	1			32		1			
F													
P	S-79	215+93.96	RT	DBI, Pipe	1			39				1	SEE DETAIL ON SHEET 28
F													
P	S-81	216+33.23	RT	DBI, Pipe	1			32				1	SEE DETAIL ON SHEET 28
F													
P	S-82	216+67.50	RT	Mitered End Section						1			
F													
				SHEET TOTAL		136	0	255	0	16	0	10	

REVISIONS

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LEE COUNTY

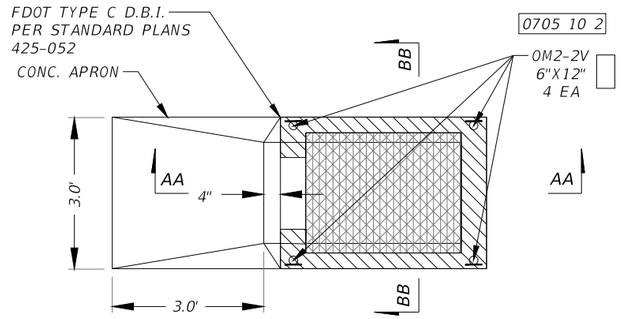
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF DRAINAGE STRUCTURES

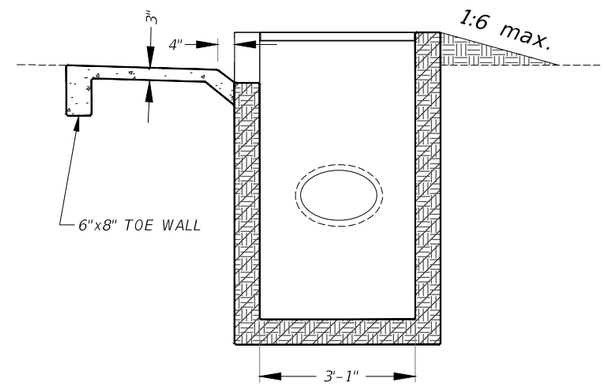
SHEET NO. 28

SUMMARY OF DRAINAGE STRUCTURES:

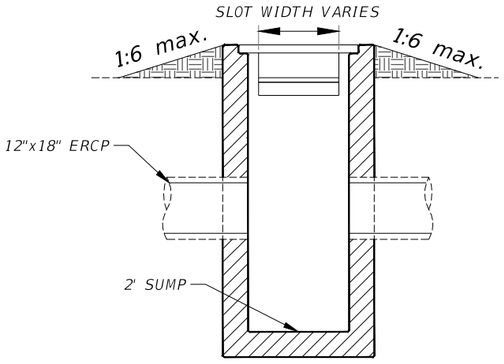
QUANTITY	STR. NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN RCP		STORM DRAIN ERCP	SIDE DRAIN MES		MANHOLES P-8	DITCH BOTTOM C	REMARKS
						18"	24"	12"X18"	18"	12"X18"	< 10'	<10'	
P	S-83	220+06.04	RT	Mitered End Section, Pipe				24		1			
F													
P	S-84	220+32.31	RT	DBI, Pipe				24				1	SEE DETAIL ON THIS SHEET
F													
P	S-85	220+58.62	RT	Mitered End Section						1			
F													
P	S-86	225+66.89	RT	Mitered End Section, Pipe	1			48		1			
F													
P	S-87	226+19.47	RT	Mitered End Section						1			
F													
P	S-88	226+62.79	RT	Mitered End Section, Pipe	1			32		1			
F													
P	S-89	2269+93.33	RT	Mitered End Section						1			
F													
P	S-92	227+24.10	RT	Mitered End Section, Pipe	1			77		1			
F													
P	S-93	228+01.06	RT	DBI, Pipe	1			9				1	SEE DETAIL ON THIS SHEET
F													
P	S-97	228+83.35	RT	DBI, Pipe	1			6				1	SEE DETAIL ON THIS SHEET
F													
P	S-101	229+61.24	RT	Mitered End Section, Pipe	1			78		1			
F													
P	S-102	231+38.62	RT	Mitered End Section, Pipe	1			24		1			
F													
P	S-103	231+67.16	RT	Mitered End Section	1					1			
F													
P	S-104	99+40.01	RT	DBI								1	MILWAUKEE BLVD
F													
P	S-105	99+21.80	RT	DBI, Pipe	1	20						1	MILWAUKEE BLVD
F													
P	FUTURE				1			120		10			COUNTY CONTROLLED ALLOWANCE FOR FUTURE HOME SITES (ASSUMED 5 NEW HOMES)
				SHEET TOTAL		20	0	442	0	20	0	5	
				PROJECT TOTAL		1342	5	1113	1	68	1	33	



PLAN



SECTION AA-AA



SECTION BB-BB

DITCH BOTTOM INLET TYPE 'C'
CONCRETE APRON DETAIL
(S-79, S-81, S-84, S-93 & S-97)

N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GradyMinor
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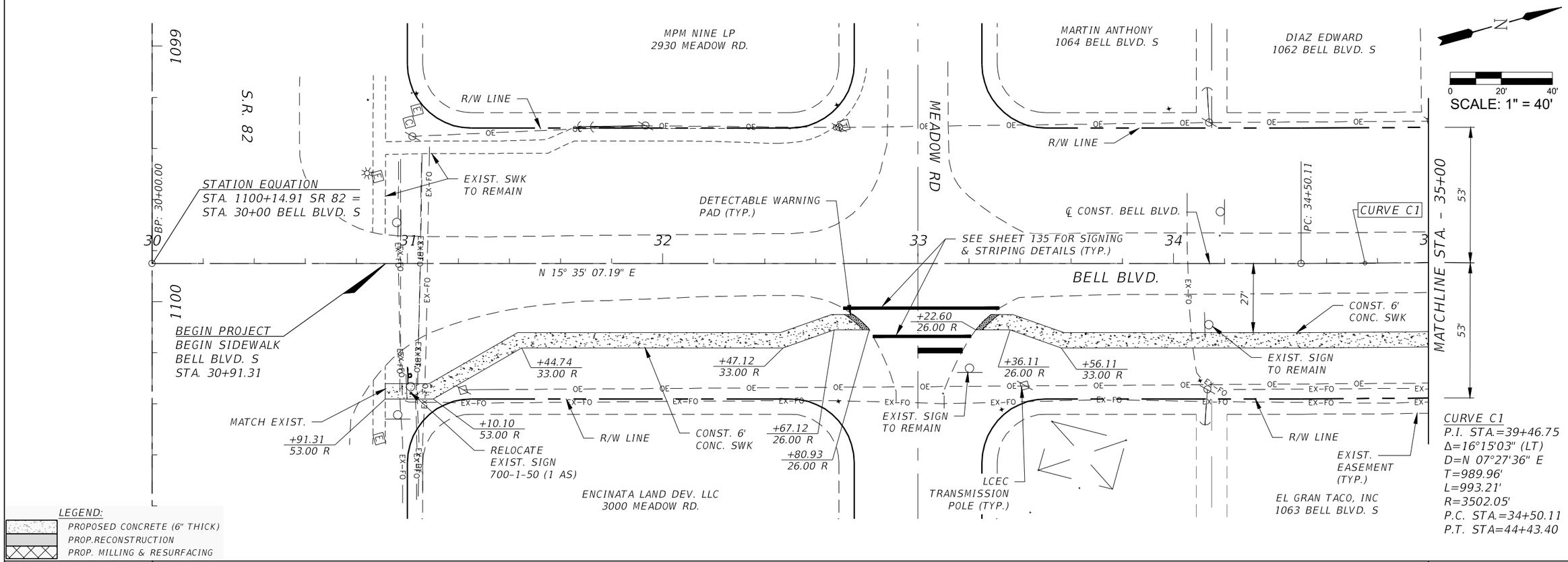
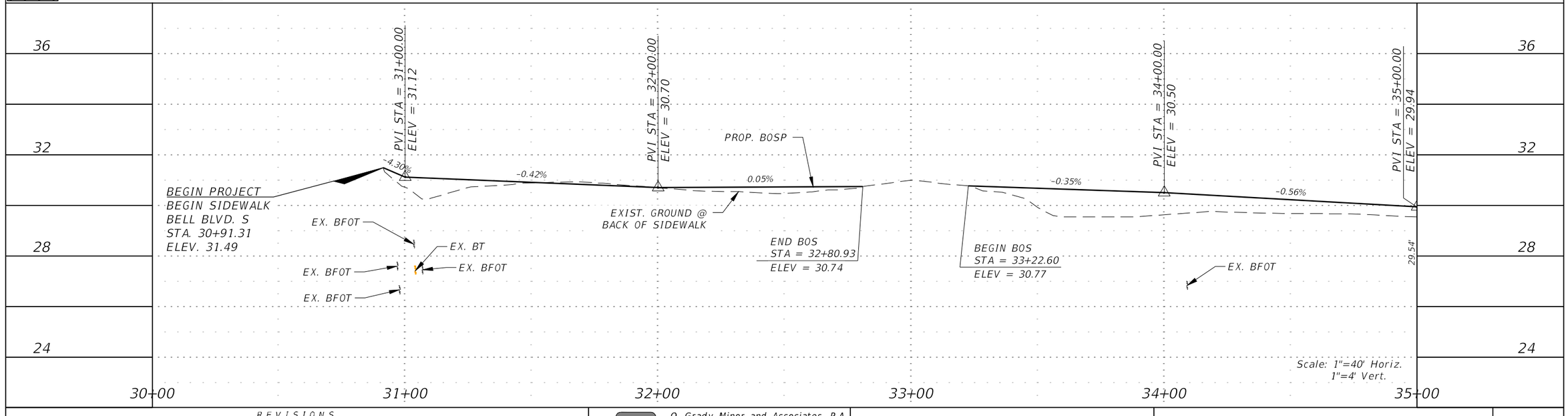
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

SUMMARY OF DRAINAGE STRUCTURES

SHEET NO. 29





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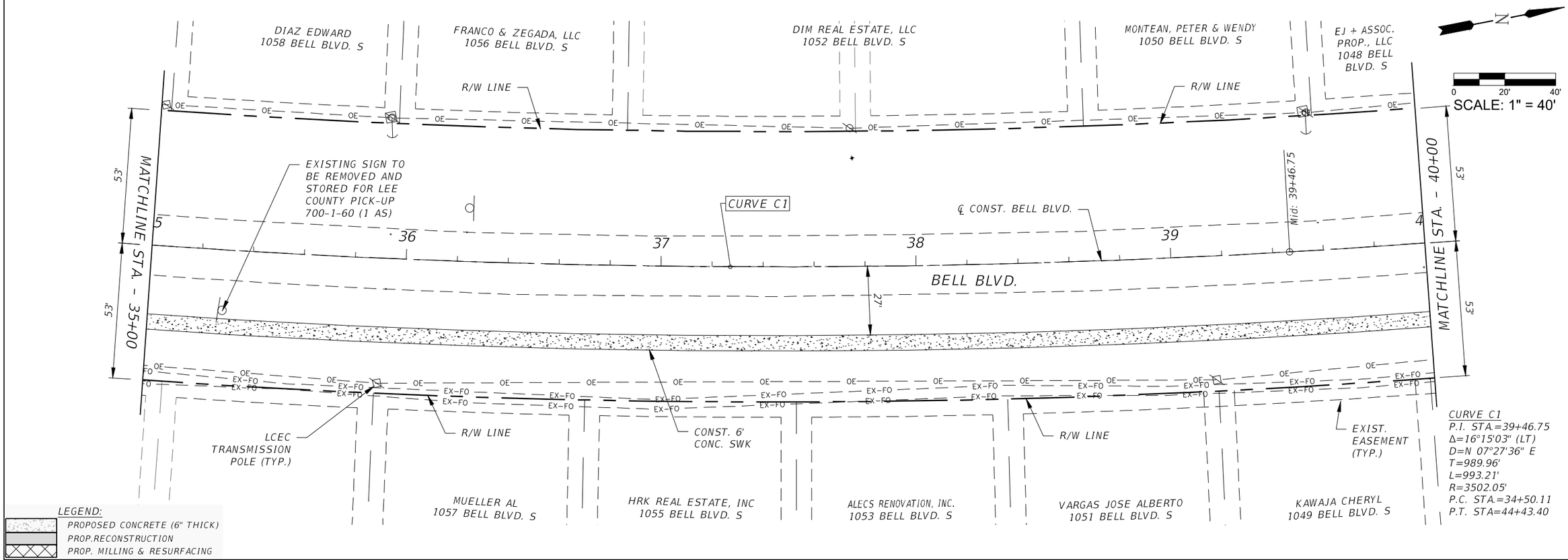
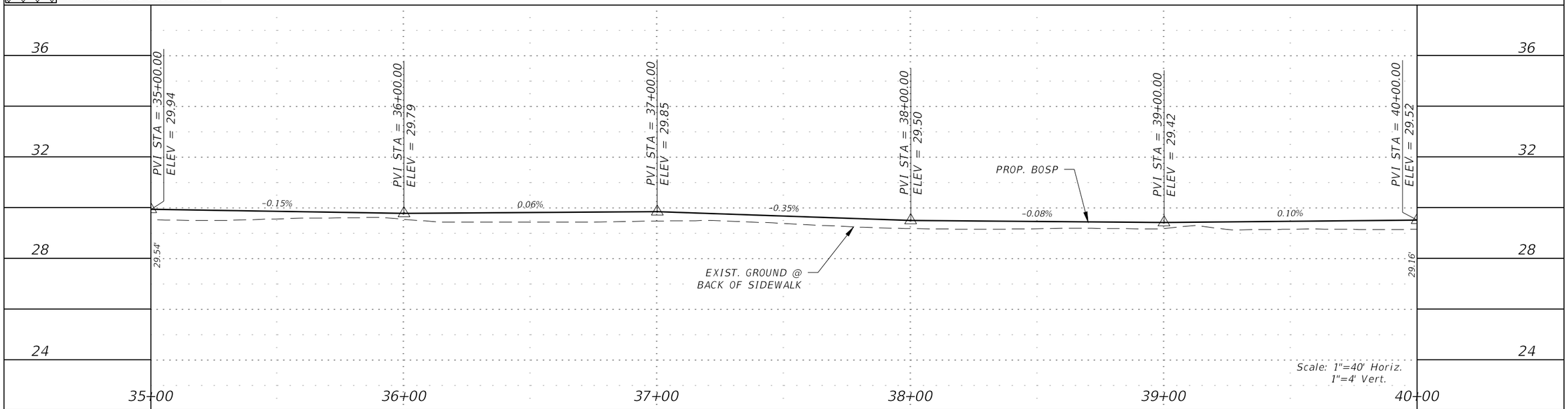
LEE COUNTY	
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 30+00 TO STA. 35+00

SHEET NO. 30





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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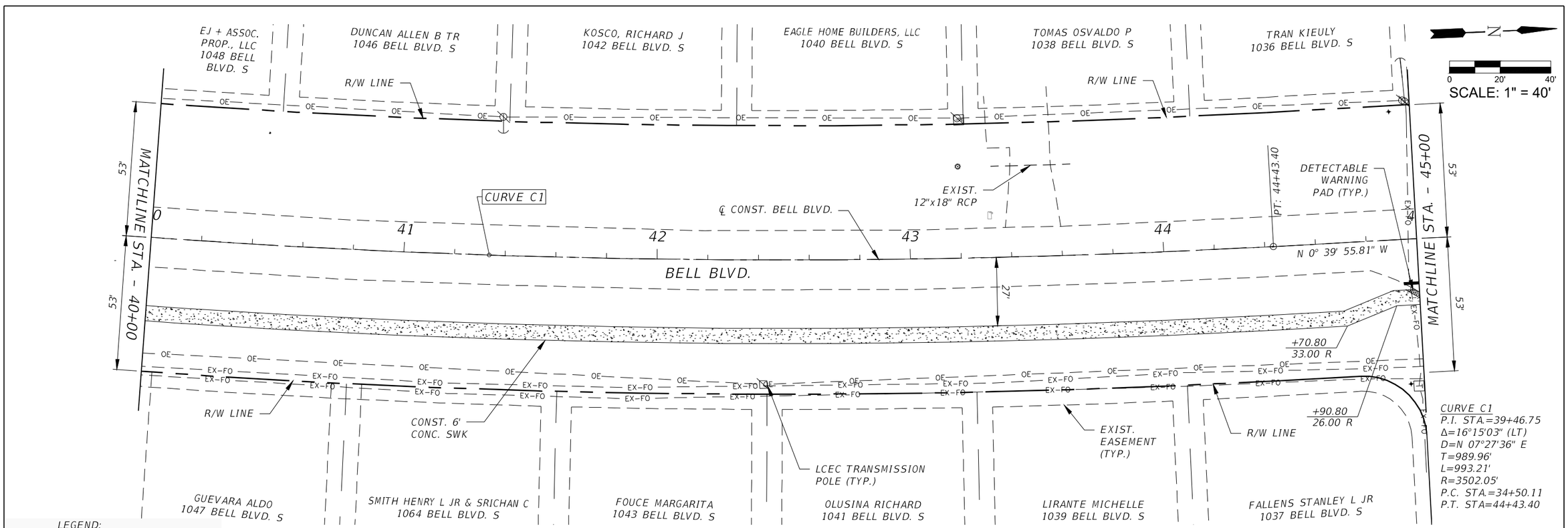
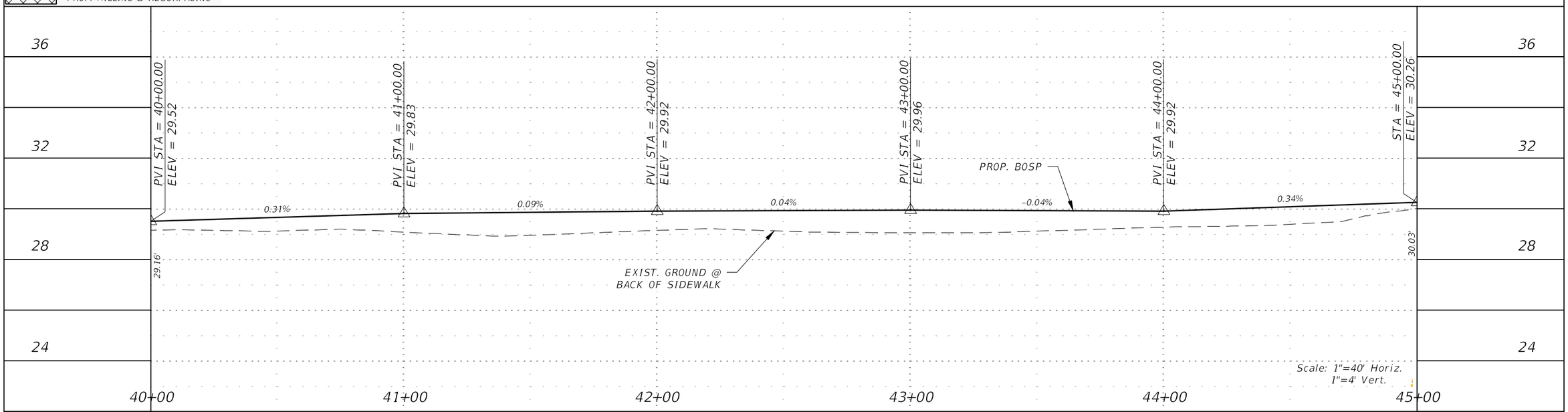
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 35+00 TO STA. 40+00

SHEET NO. 31





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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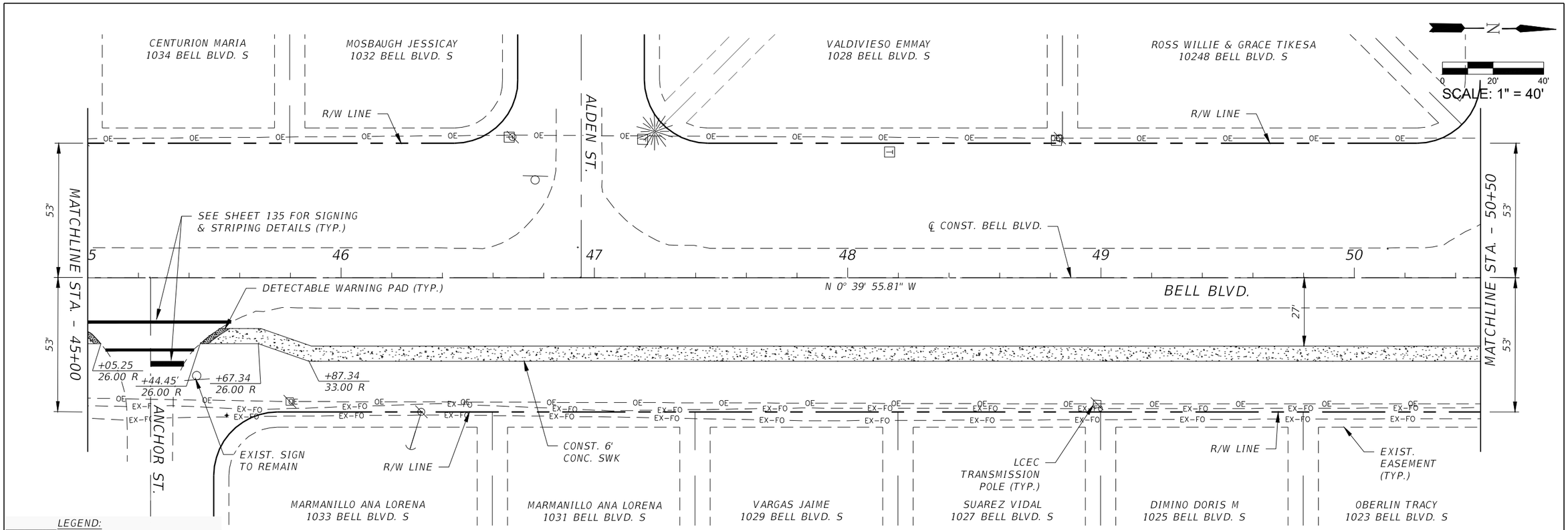
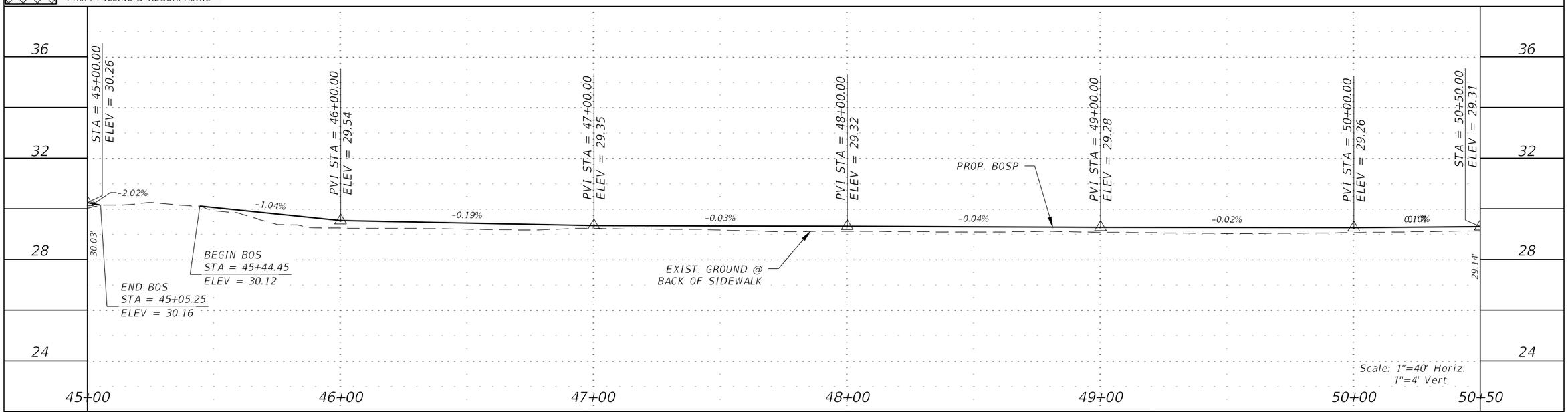
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 40+00 TO STA. 45+00

SHEET NO. 32





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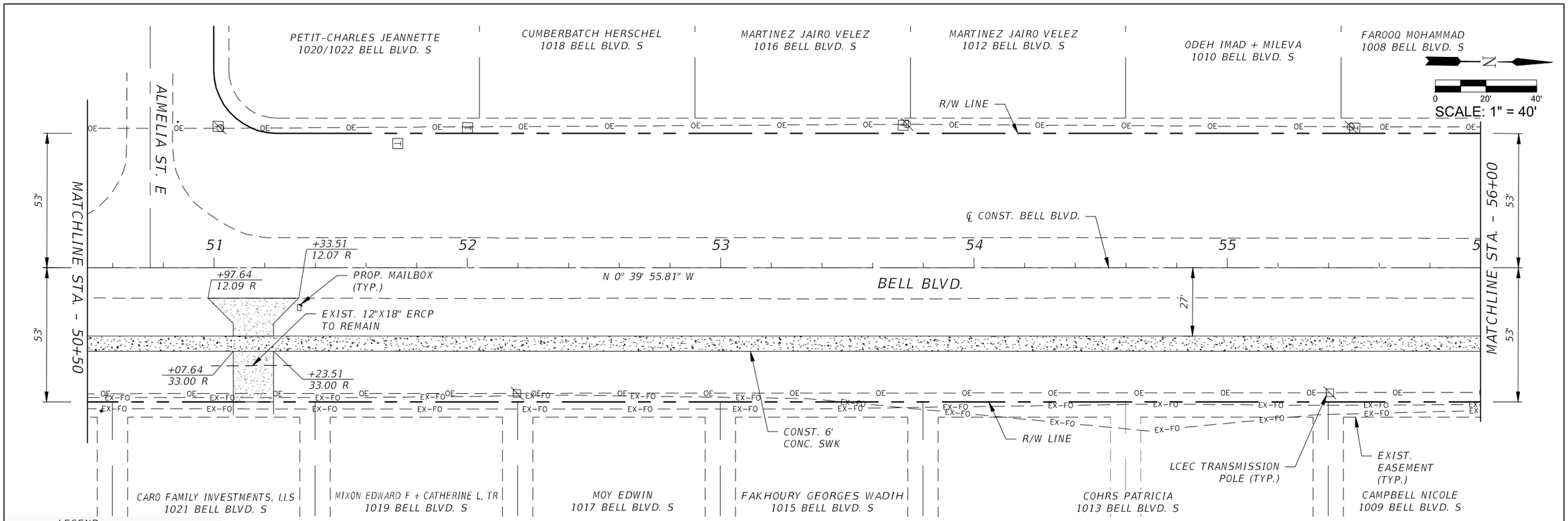
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

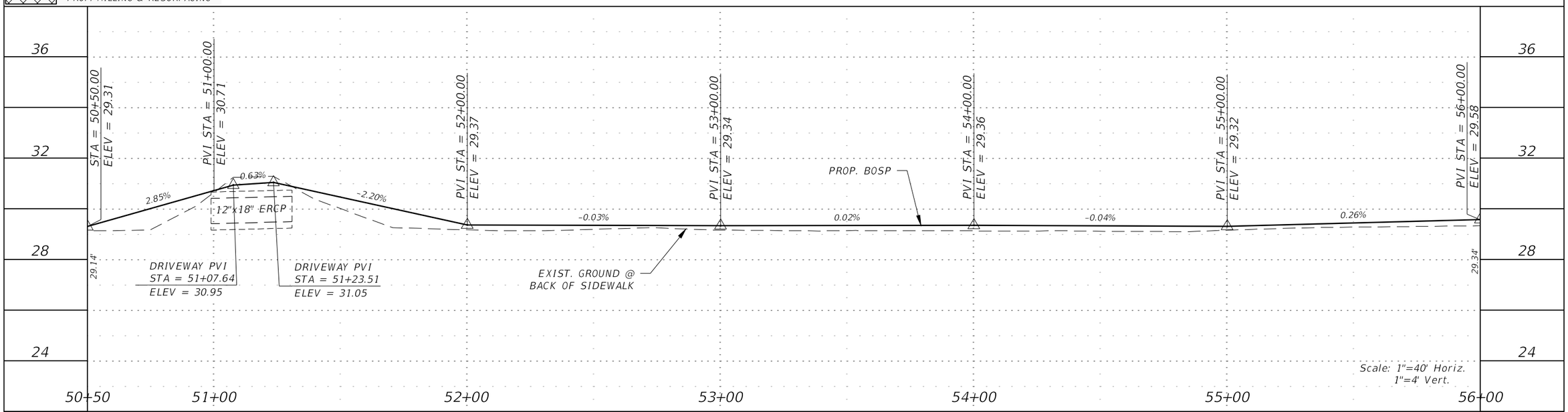
ROADWAY PLAN & PROFILE STA. 45+00 TO STA. 50+50

SHEET NO. 33



LEGEND:

- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING



REVISIONS			
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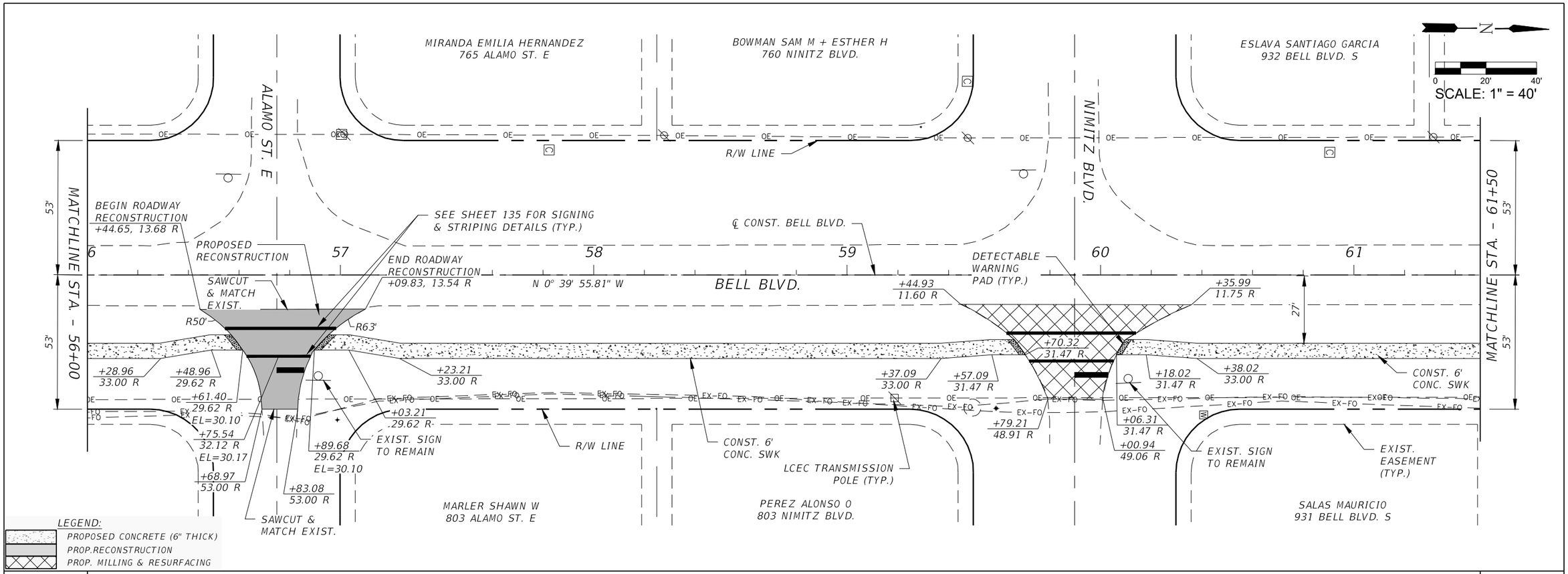
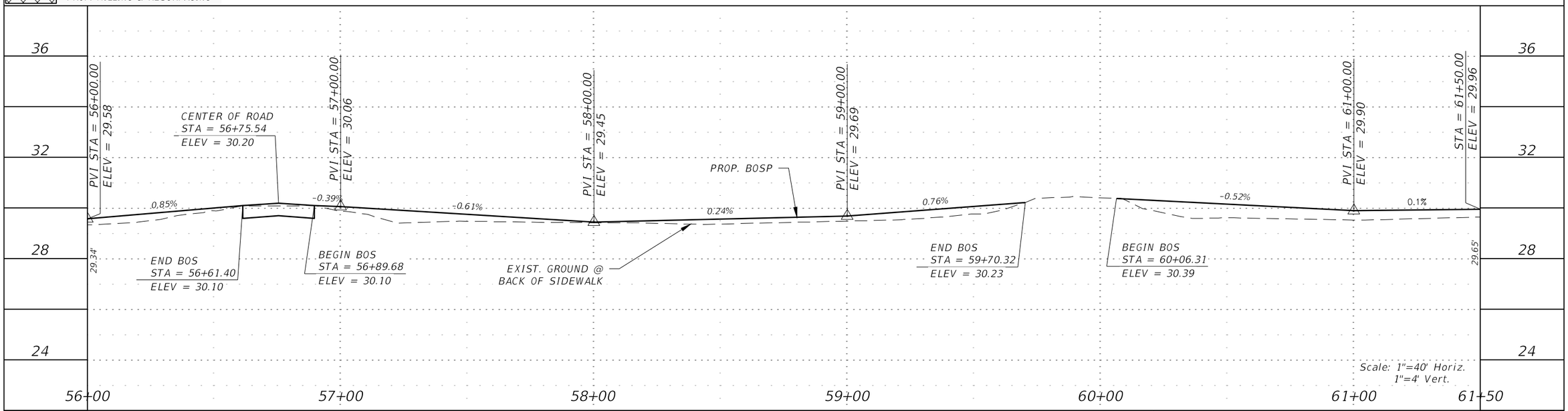
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 50+50 TO STA. 56+00

SHEET NO. 34





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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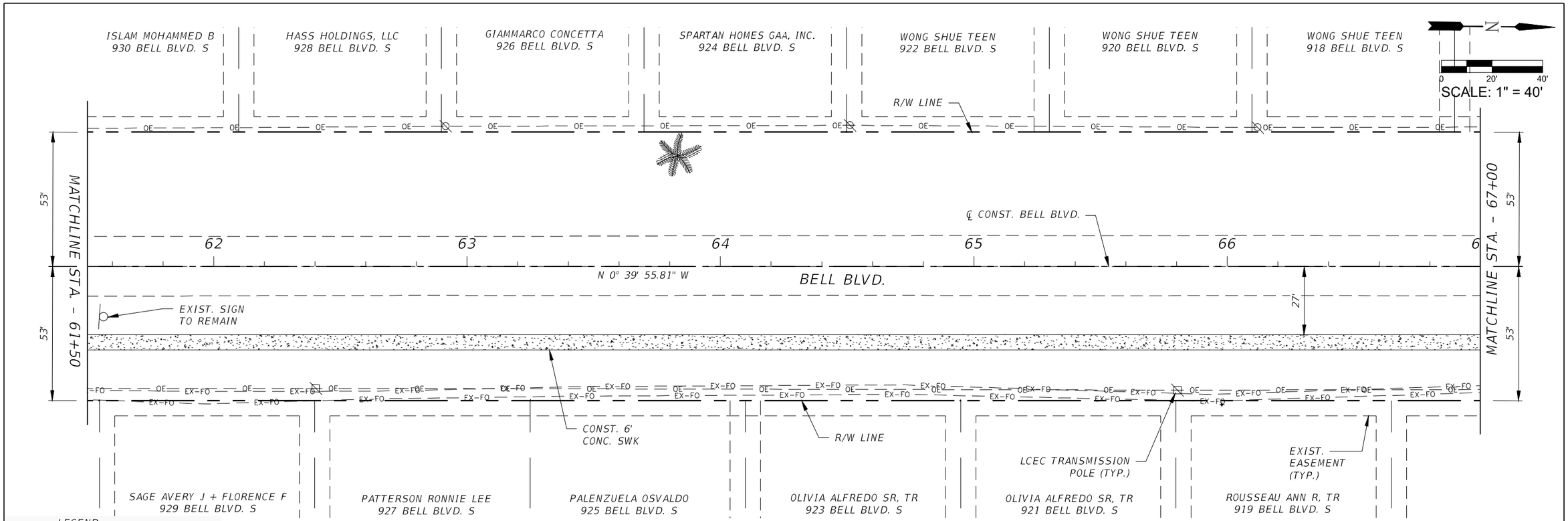
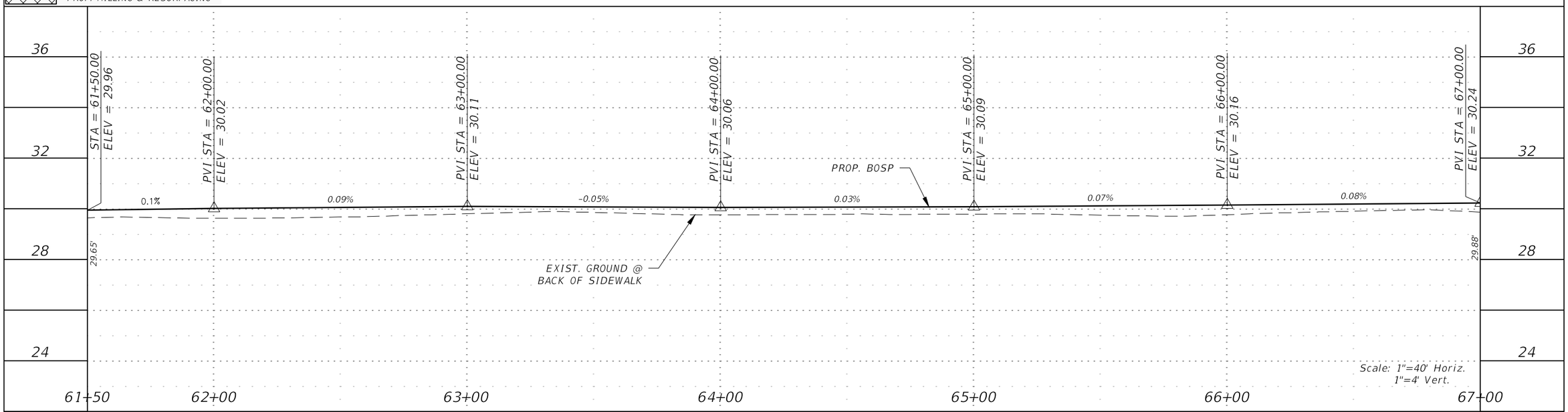
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 56+00 TO STA. 61+50

SHEET NO. 35





REVISIONS			
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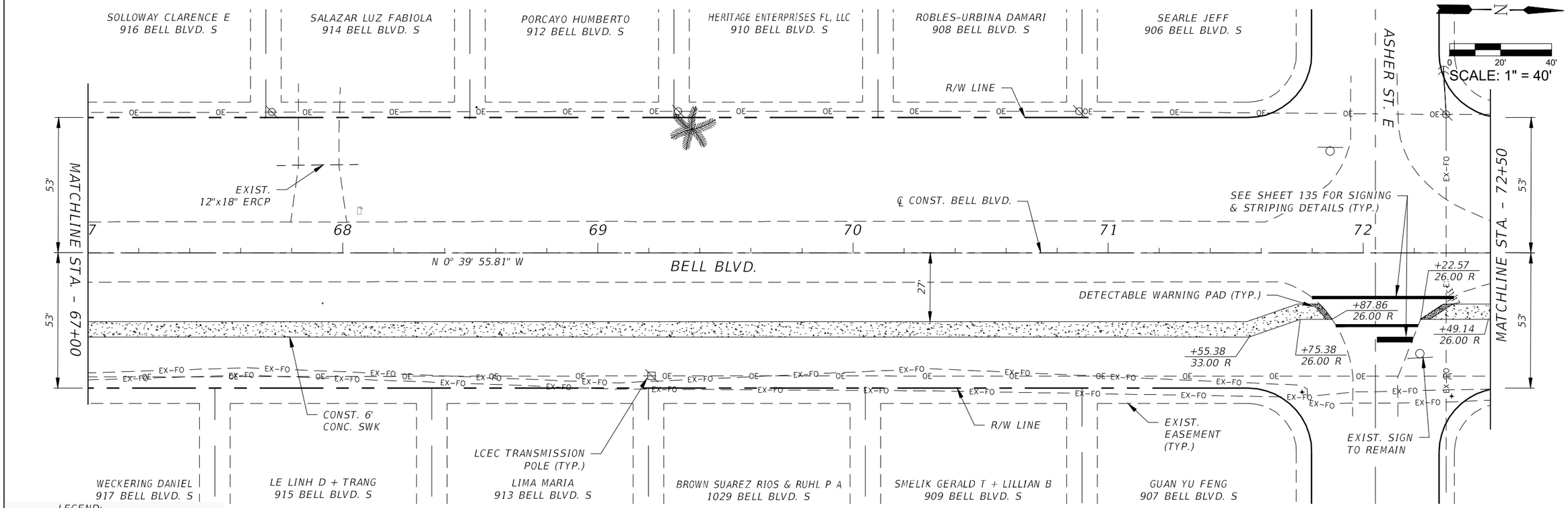
R. DANIEL FLYNN, P.E. NO. 76205

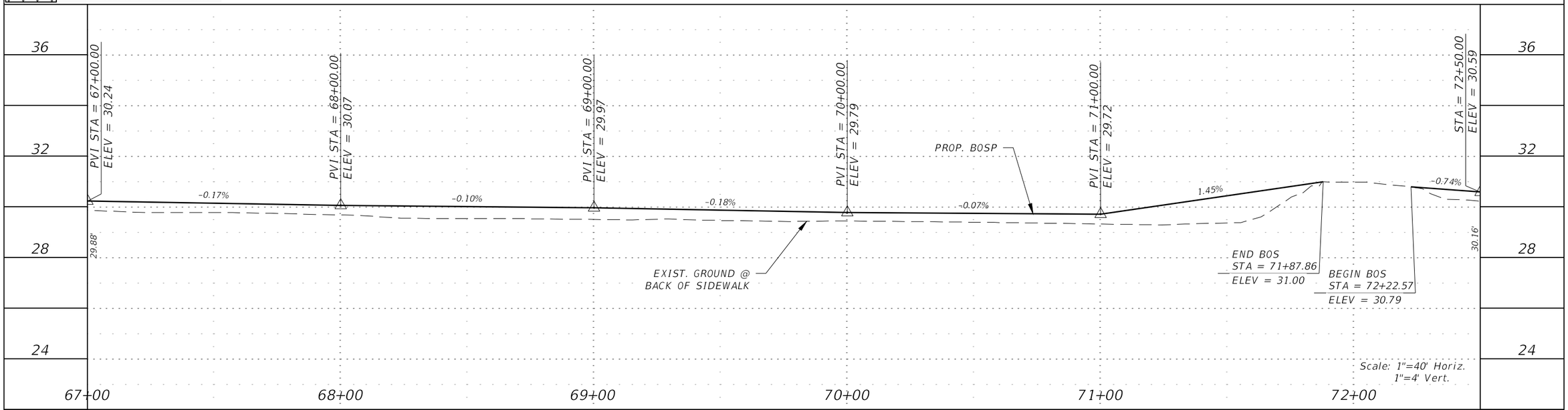
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 61+50 TO STA. 67+00

SHEET NO. 36





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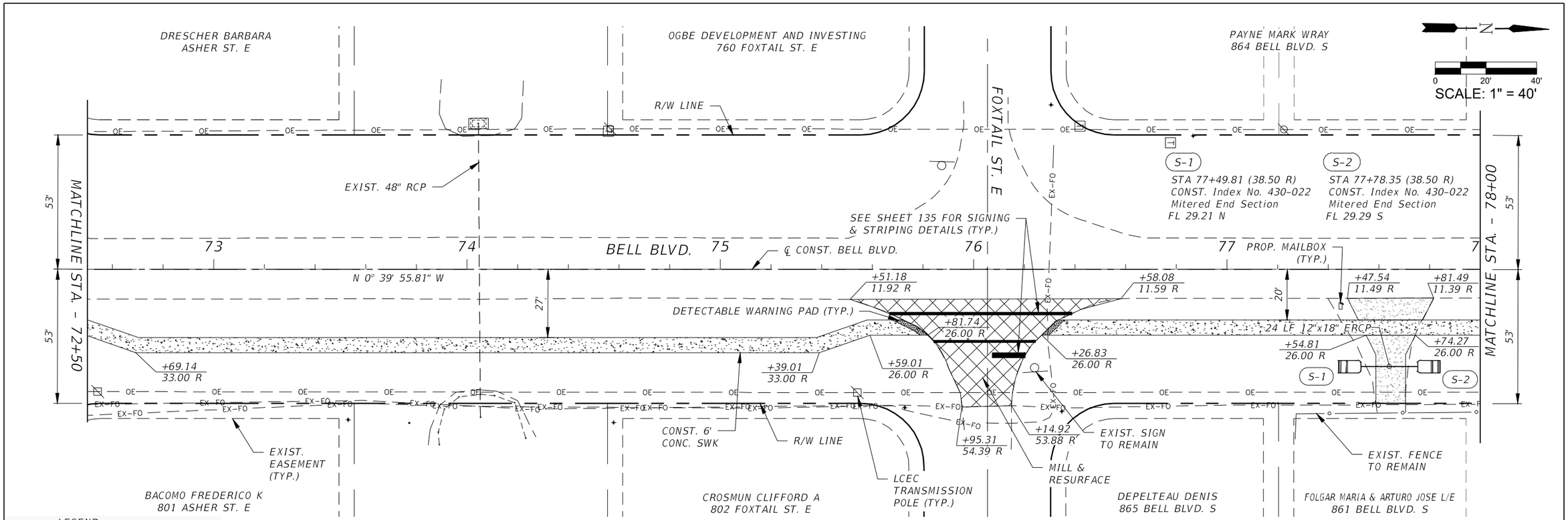
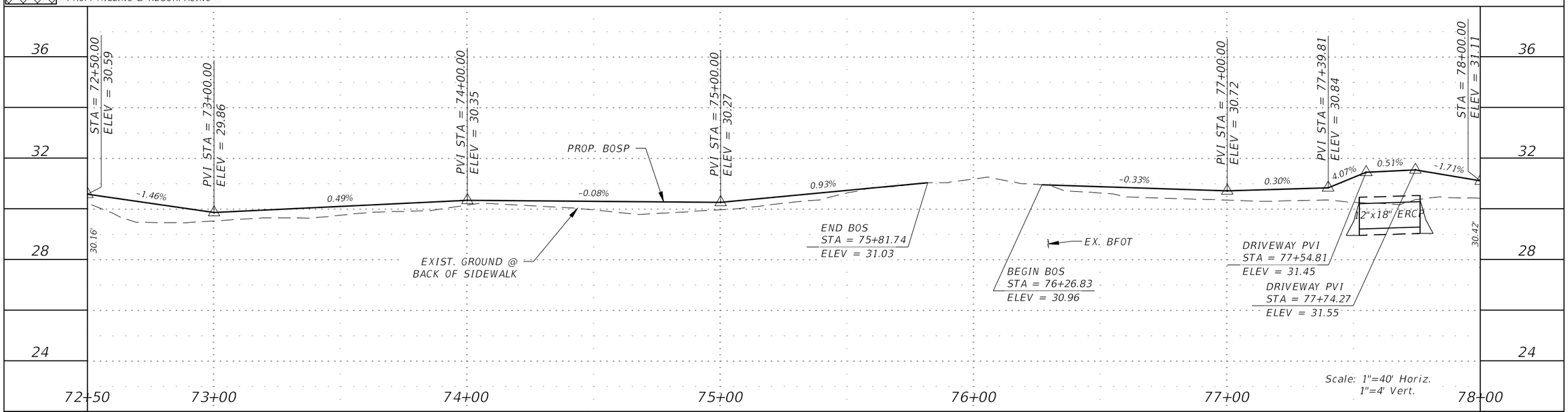
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE
STA. 67+00 TO STA. 72+50

SHEET NO. 37





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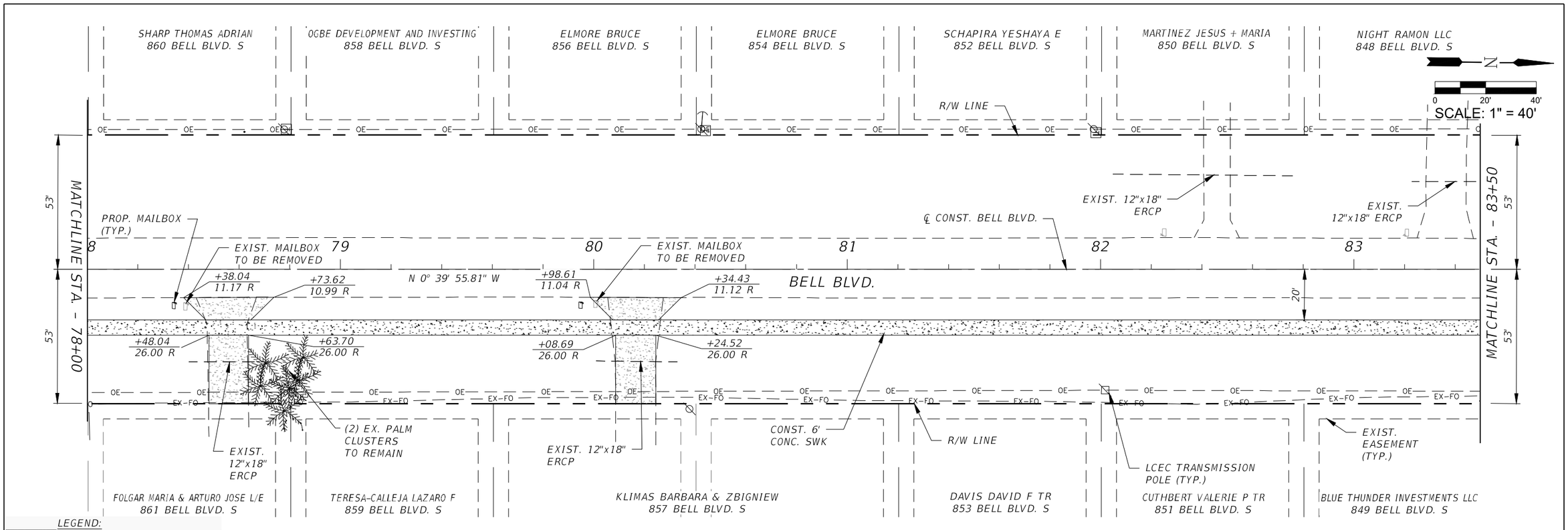
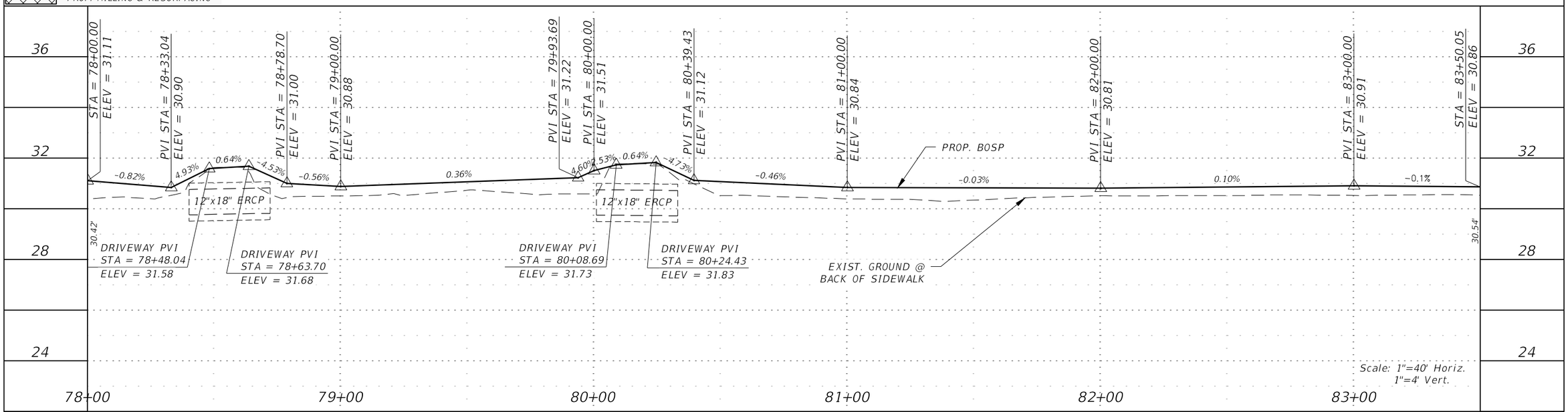
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 72+50 TO STA. 78+00

SHEET NO. 38





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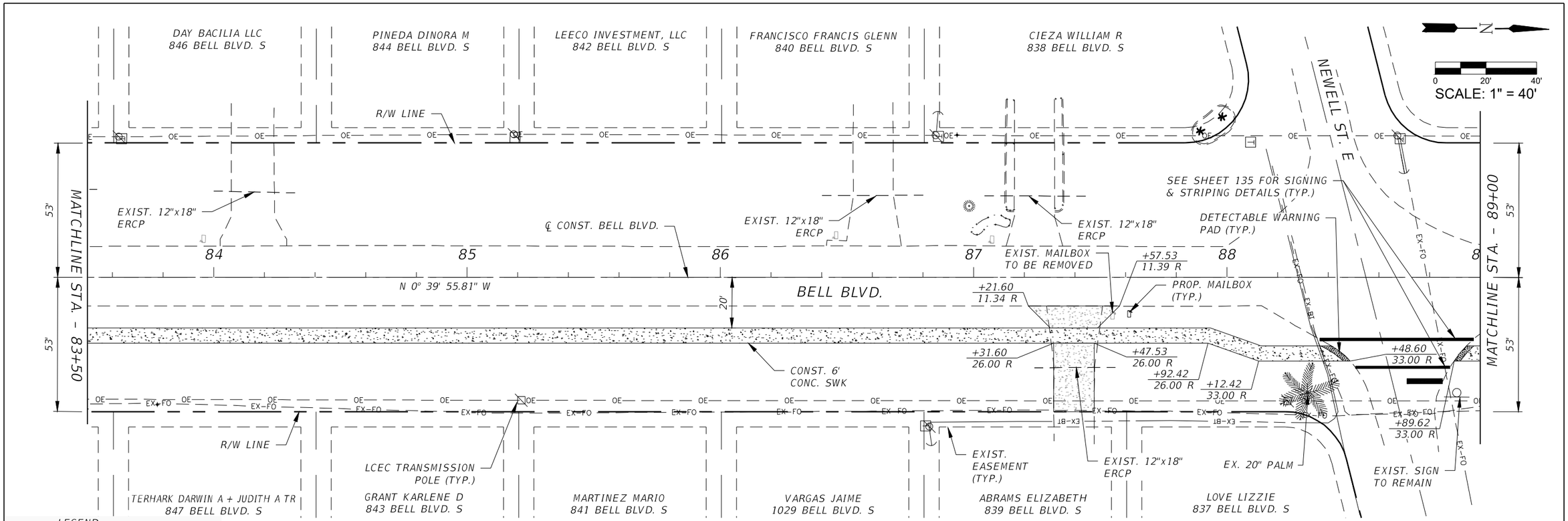
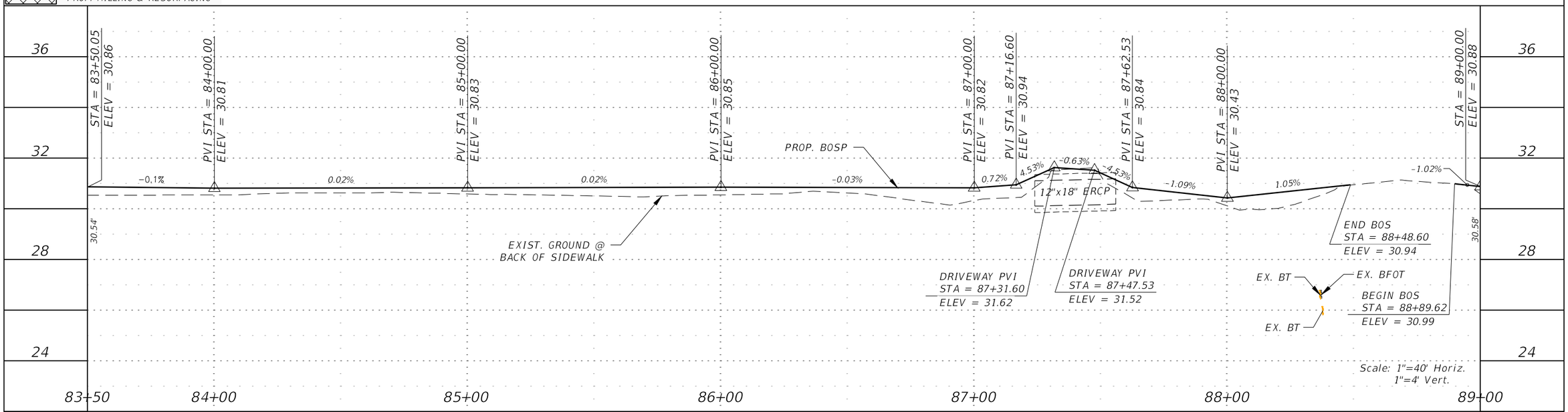
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 78+00 TO STA. 83+50

SHEET NO. 39





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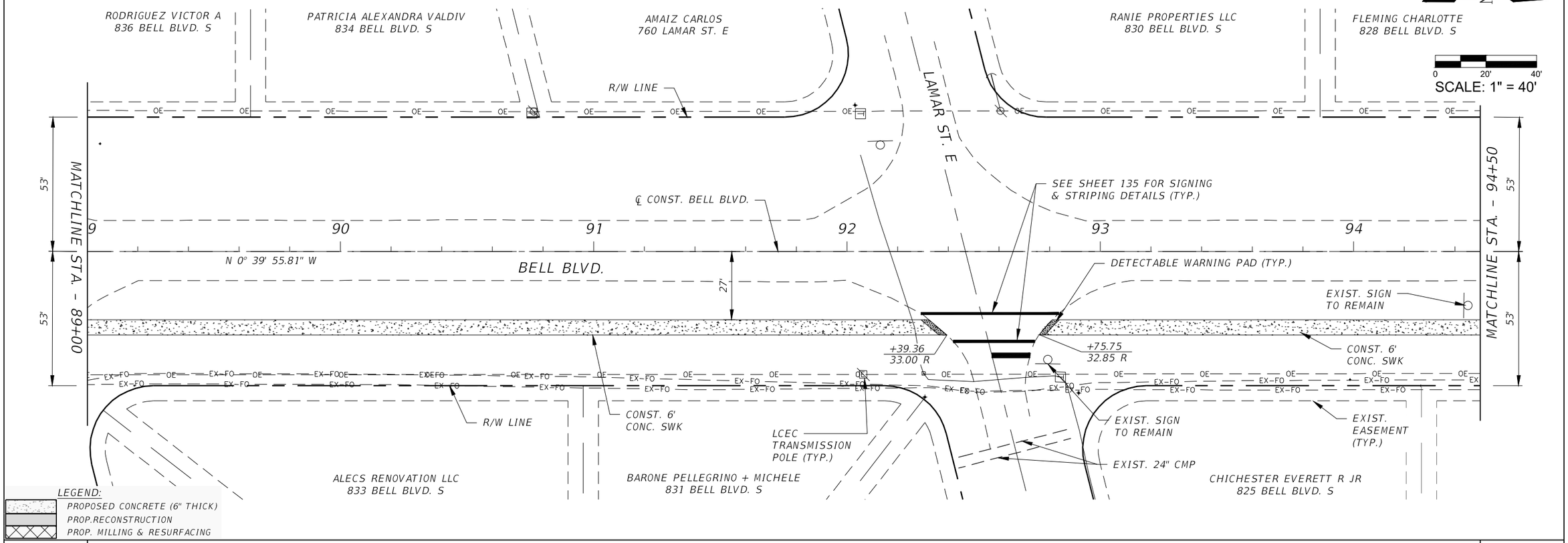
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 83+50 TO STA. 89+00

SHEET NO. 40



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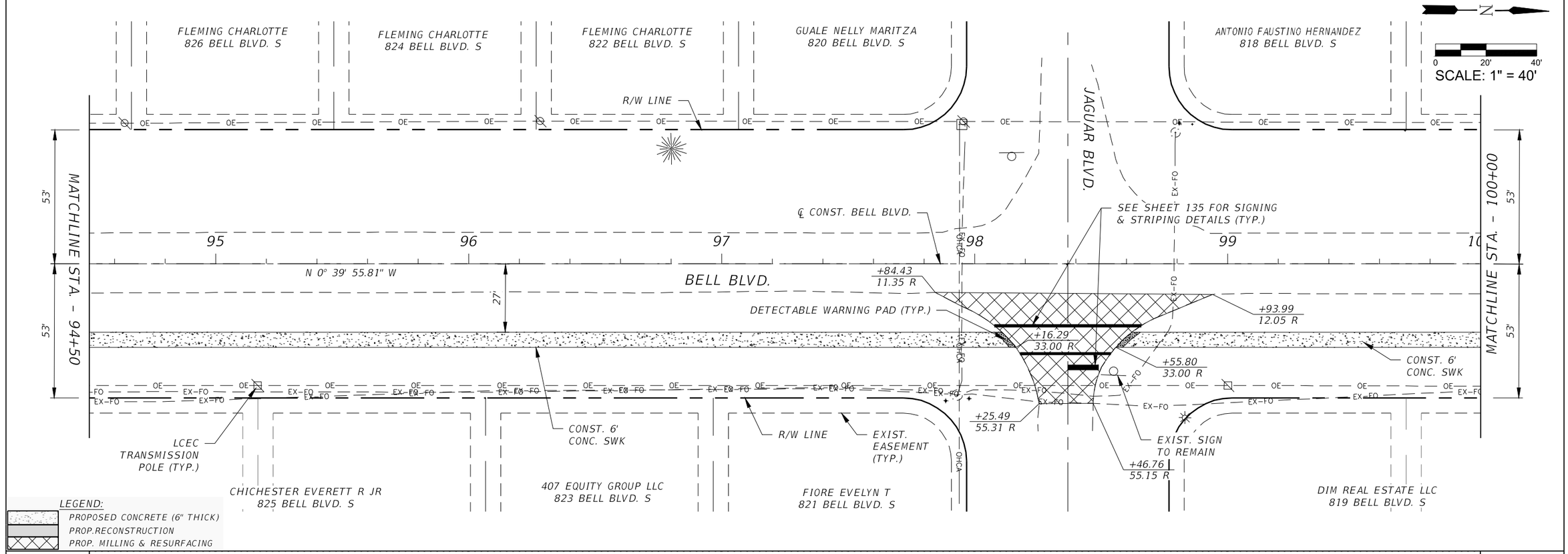
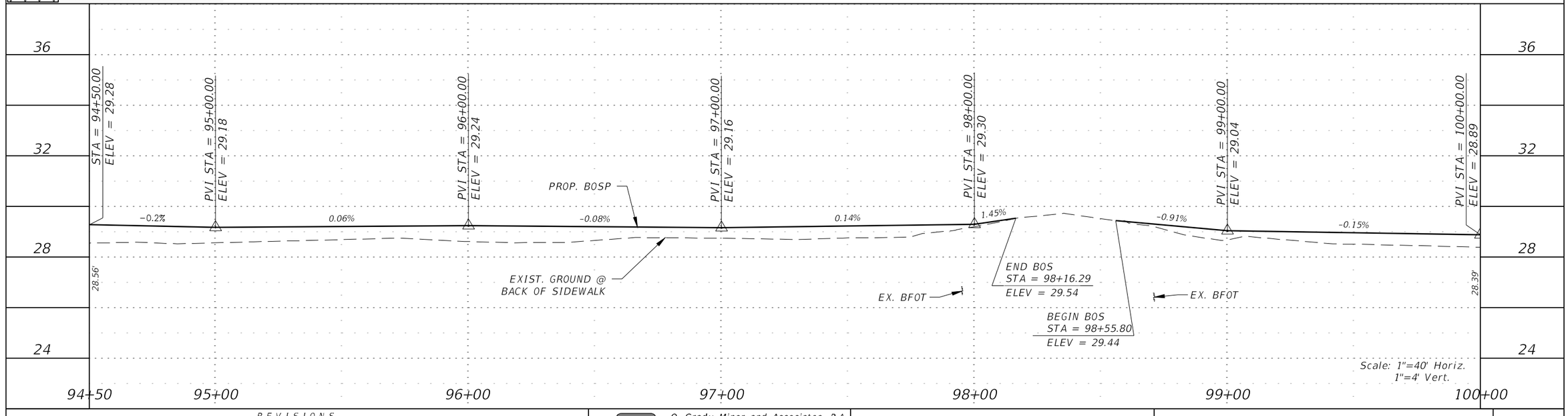
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 89+00 TO STA. 94+50

SHEET NO. 41





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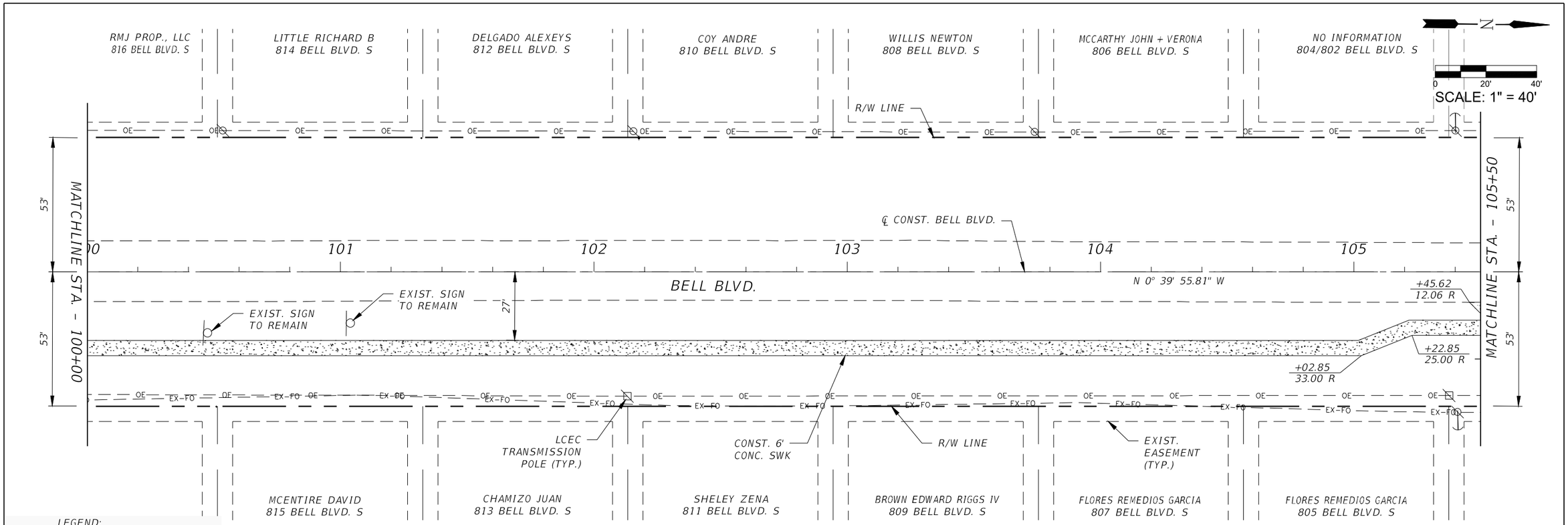
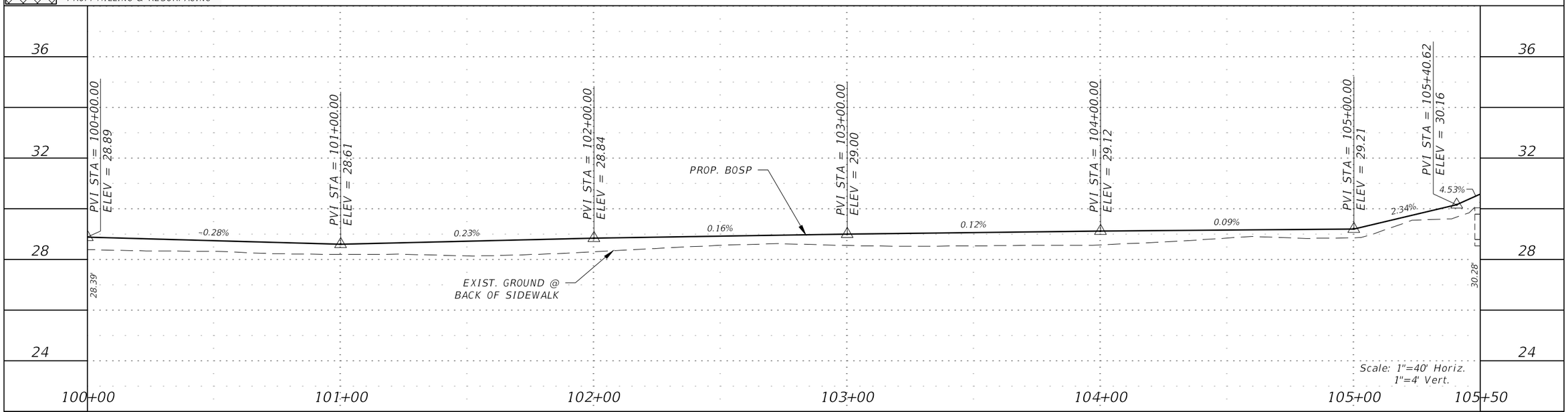
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 94+50 TO STA. 100+00

SHEET NO. 42





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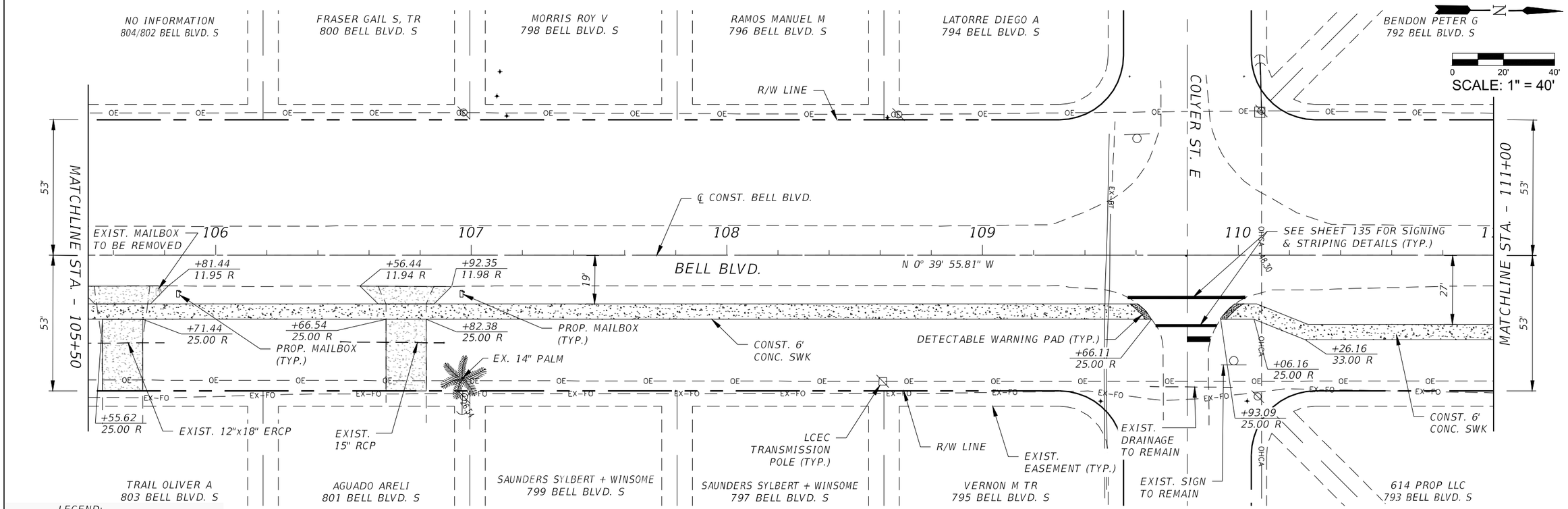
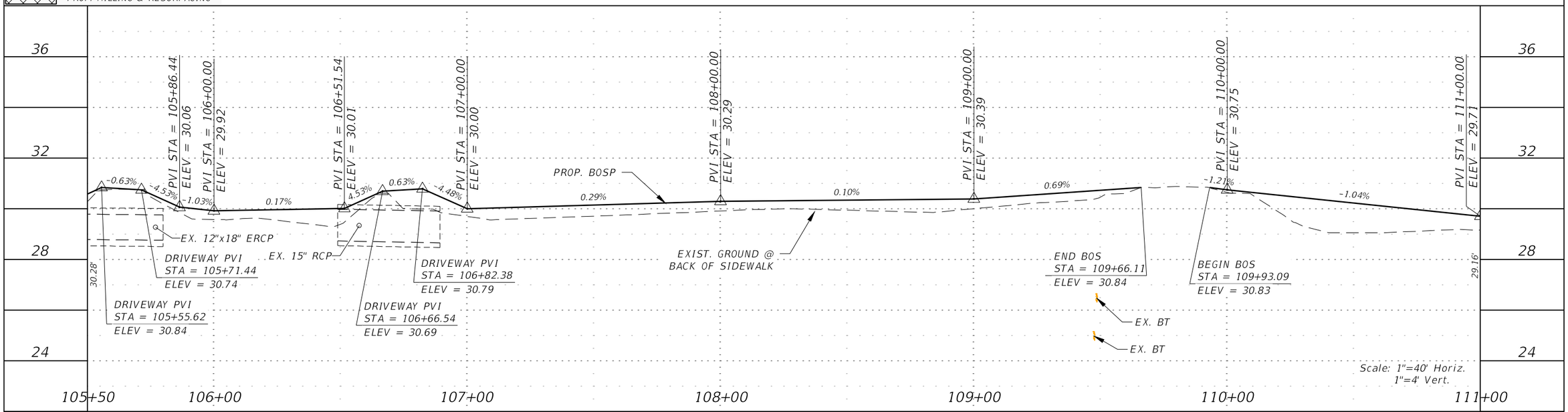
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 100+00 TO STA. 105+50

SHEET NO. 43





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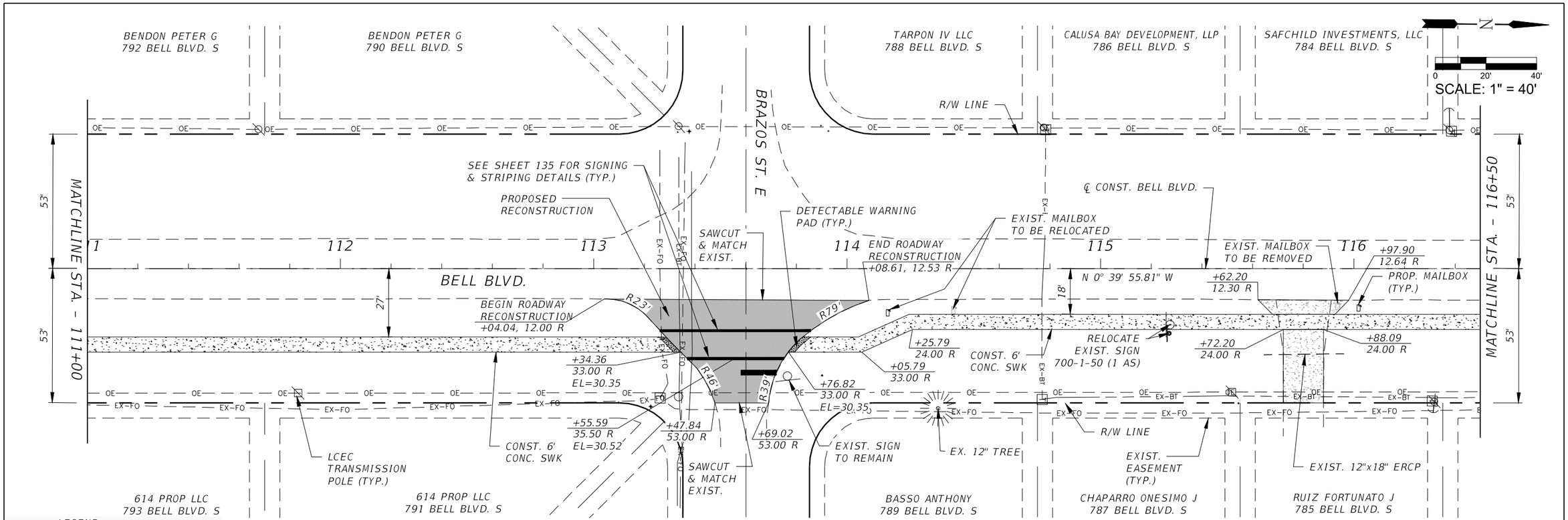
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

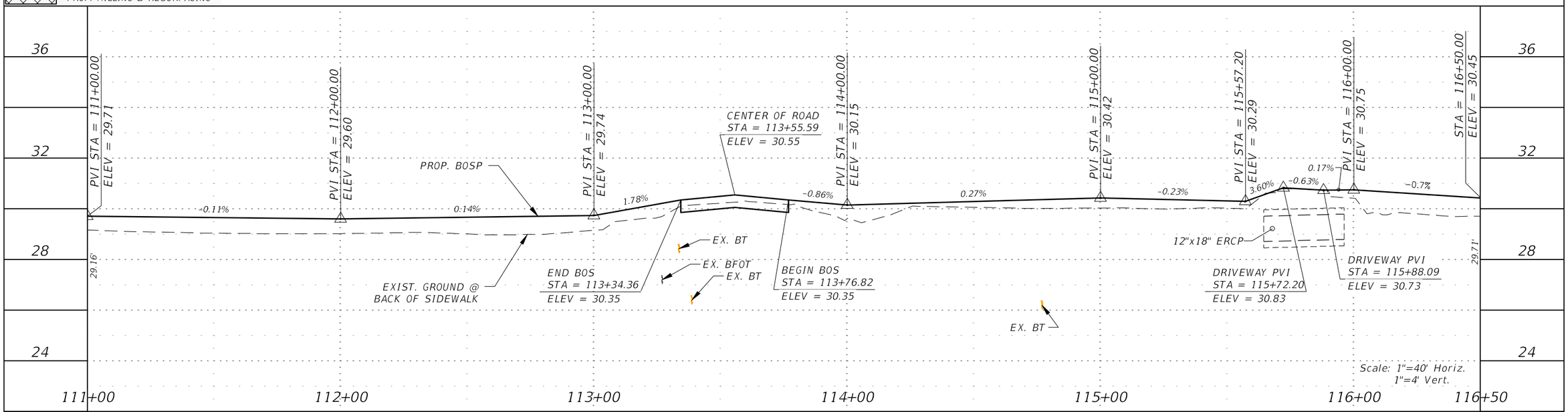
ROADWAY PLAN & PROFILE STA. 105+50 TO STA. 111+00

SHEET NO. 44



LEGEND:

- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING



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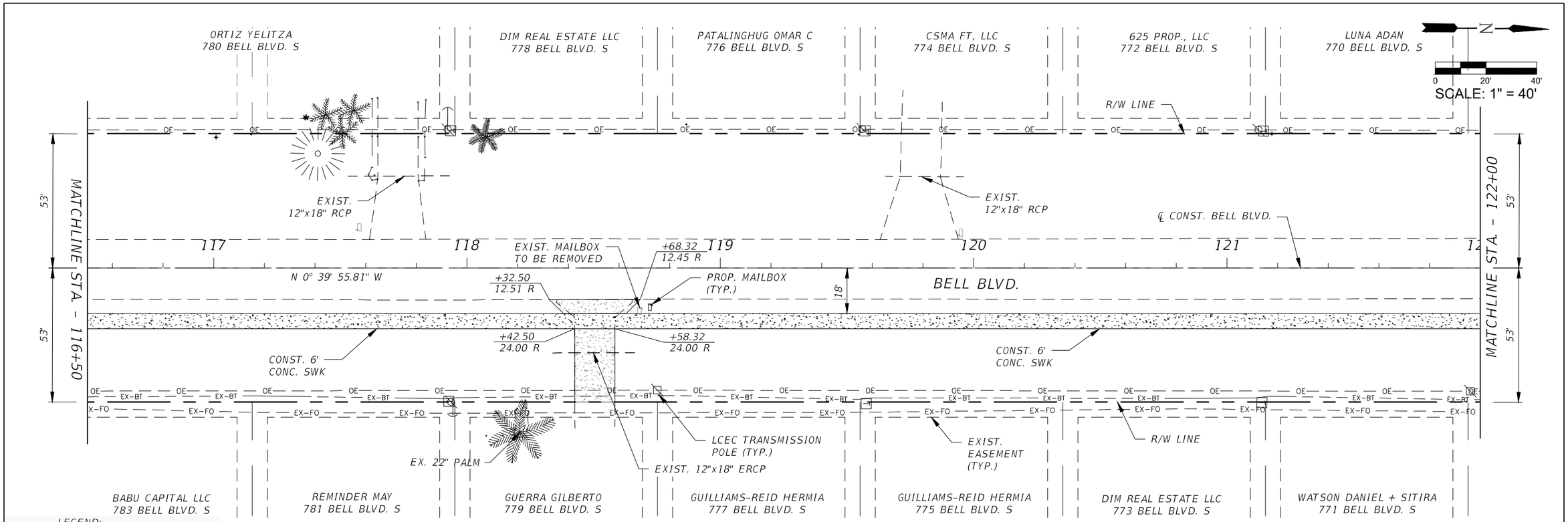
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

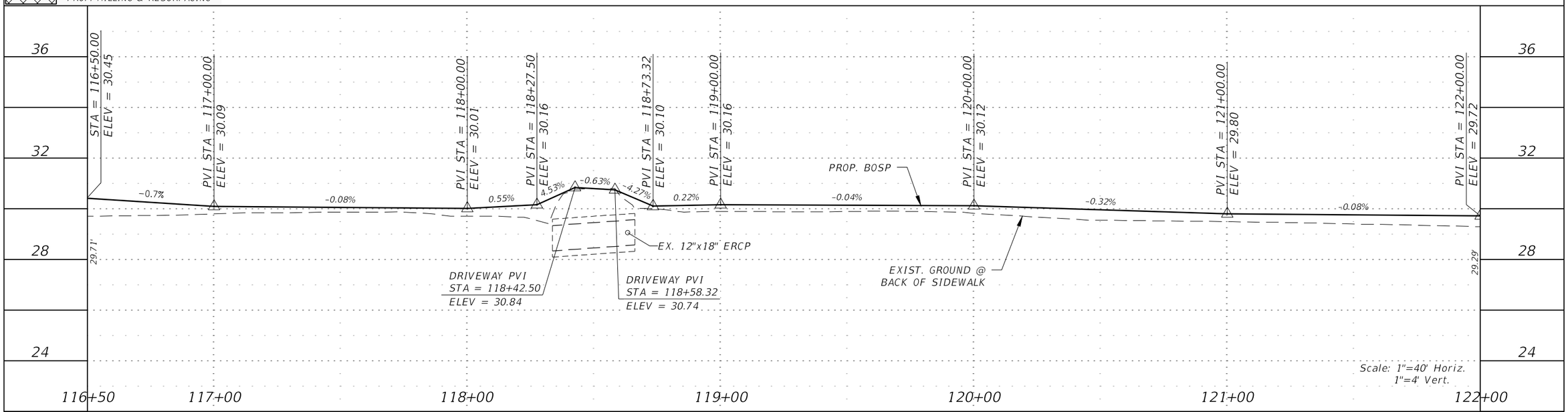
ROADWAY PLAN & PROFILE STA. 111+00 TO STA. 116+50

SHEET NO. 45



LEGEND:

- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING



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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 116+50 TO STA. 122+00

SHEET NO. 46

LUNA ADAN
768 BELL BLVD. S

BERHANE TSEGAI B
& MEHRET B TR
766 BELL BLVD. S

WILLIAMS DENSIE A
764 BELL BLVD. S

CALUSA BAY DEVELOPMENT, LLP
762 BELL BLVD. S

OCHOA INC
760 BELL BLVD. S

OCHOA MADRIGAL JOSE L
759 BELL BLVD. S

N

0 20' 40'
SCALE: 1" = 40'

R/W LINE

BENTLY ST. E

VERIFIED VERTICAL & HORIZONTAL				
NAME	DESCRIPTION	TOP EL.	STATION	OFFSET
VVH-1	CENTURYLINK: 1/2" BLACK CABLE	25.31	126+86.16	54.71 R
VVH-2	LCEC: 4" GREY PVC	25.49	126+87.60	57.86 R
VVH-3	LCEC: 4" GREY PVC	25.47	126+87.60	58.13 R
VVH-4	LCEC: 4" GREY PVC	25.51	126+87.53	58.57 R
VVH-5	LCEC: 4" GREY PVC	25.59	126+87.52	58.78 R
VVH-6	LCEC: 4" GREY PVC	25.61	126+87.61	59.10 R
VVH-7	LCEC: 4" GREY PVC	25.64	126+87.78	59.61 R

S-5
STA 126+65.93 (49.00 R)
CONST. Index No. 425-052
Ditch Bottom Inlet Type C
W/ 2' Sump
RIM EL. = 28.08
FL 25.45 N

℄ CONST. BELL BLVD.

MATCHLINE STA. - 122+00

MATCHLINE STA. - 127+50

53'

122 123 124 125 126 127

BELL BLVD.

N 0° 39' 55.81" W

18'

37'

EXIST. MAILBOX
TO BE REMOVED

PROP. MAILBOX
(TYP.)

DETECTABLE WARNING PAD (TYP.)

SEE SHEET 135 FOR SIGNING
& STRIPING DETAILS (TYP.)

CONST. 6'
CONC. SWK

+01.30
24.00 R

+91.30
12.46 R

+29.32
12.35 R

+43.53
12.40 R

+79.30
12.43 R

+74.02
12.20 R

+85.25
12.20 R

+85.25
26.54 R

+69.30
24.00 R

+62.22
24.00 R

+57.59
38.45 R

+00.47
38.45 R

+15.13
38.45 R

+94.28
43.00 R

185 LF 18" RCP

EX. 28" PALM

RELOCATE
EXIST. SIGN
700-1-50 (1 AS)

+19.32
24.00 R

+53.53
24.00 R

EXIST. 12"x18" ERCP

R/W LINE

LCEC TRANSMISSION
POLE (TYP.)

+20.72
73.93 R

+41.46
74.25 R

+74.28
38.45 R

VVH-1
VVH-2
VVH-3
VVH-4
VVH-5
VVH-6
VVH-7

EXIST.
EASEMENT
(TYP.)

SEE SHEET 135
700-1-50 (1 EA)

SOLLOWAY CLARENCE E
769 BELL BLVD. S

ROSADO JOHANA GARCIA
767 BELL BLVD. S

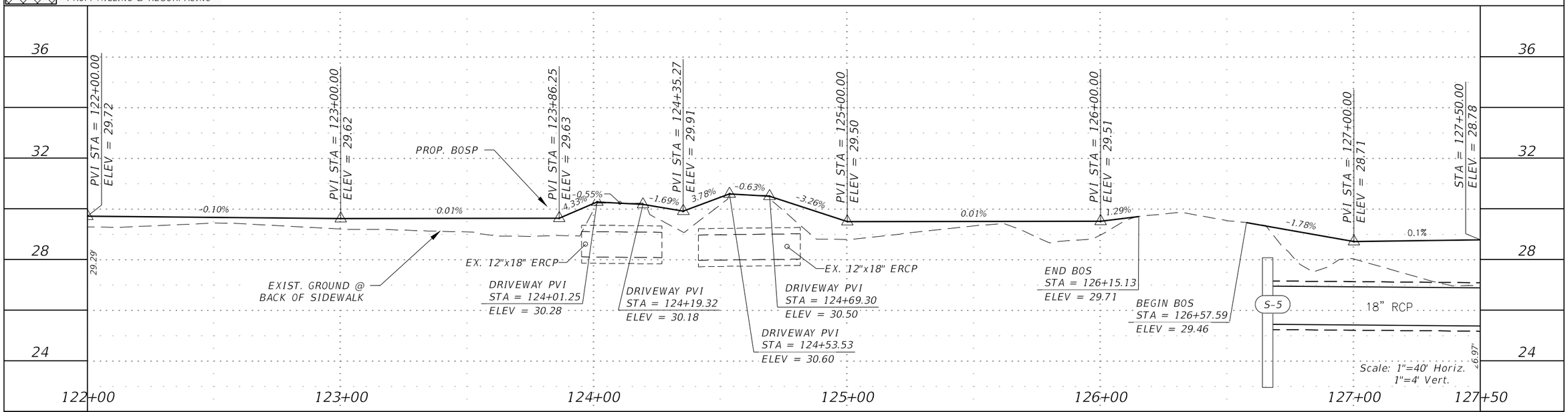
HUTTON SHANEQUA JULECIA
765 BELL BLVD. S

MCH SFR PROPERTY OWNER 1 LLC
763 BELL BLVD. S

MADRIGAL JOSE LUIS OCHOA
761 BELL BLVD. S

BROWN PATRICE I
801 BENTLY ST E

LEGEND:
- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING



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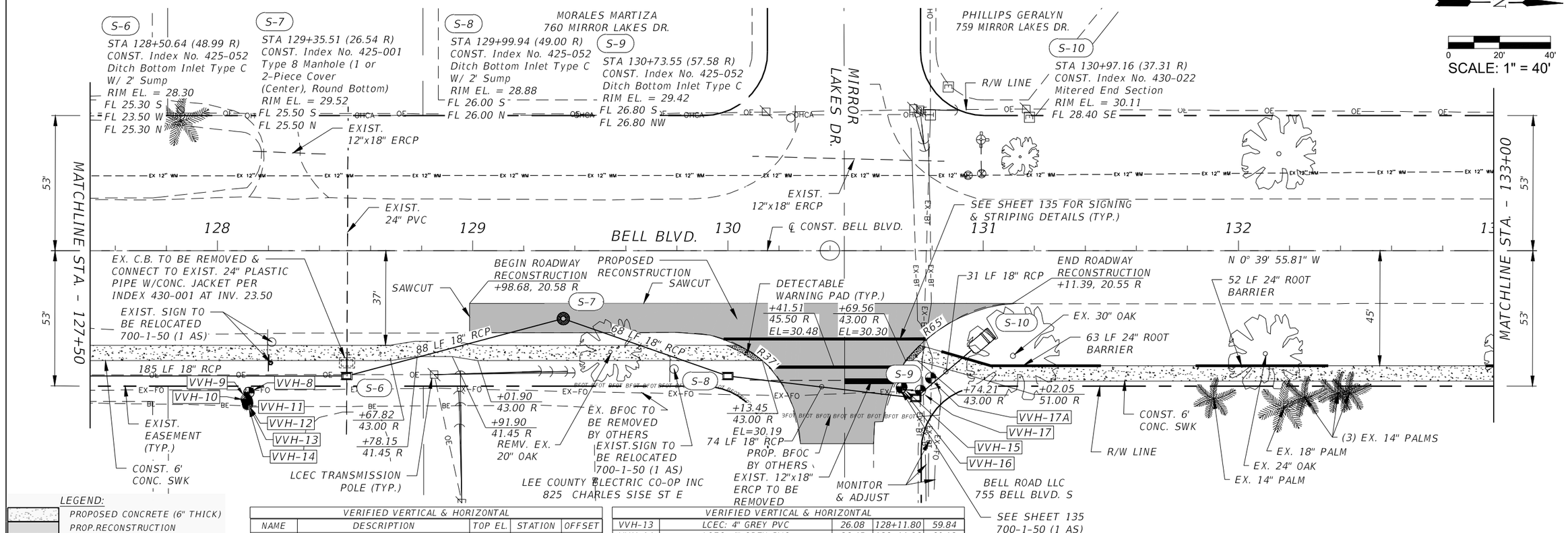
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE
STA. 122+00 TO STA. 127+50

SHEET NO. 47



LEGEND:

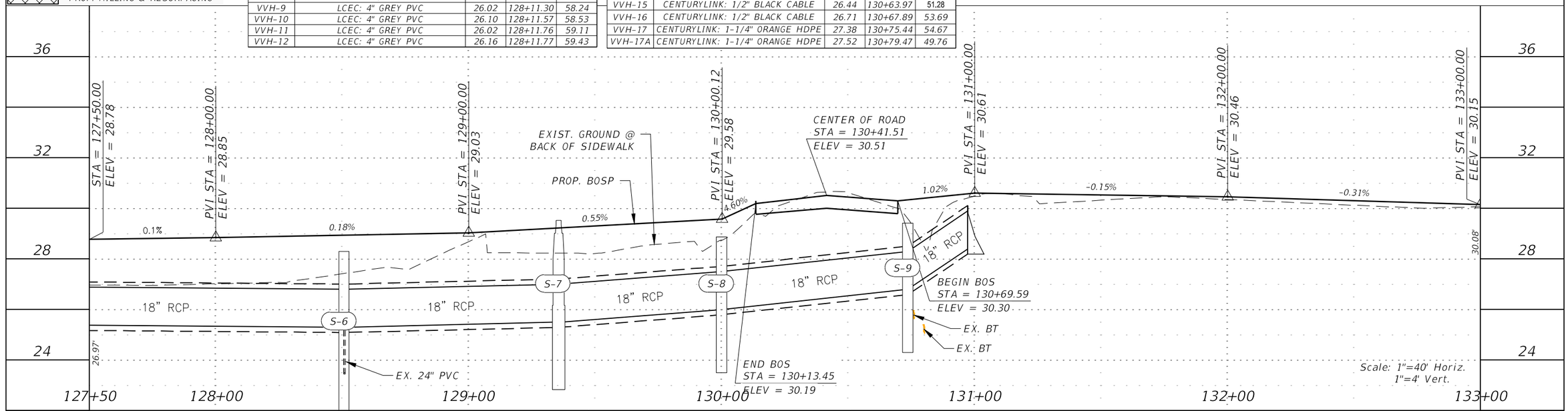
- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING

VERIFIED VERTICAL & HORIZONTAL

NAME	DESCRIPTION	TOP EL.	STATION	OFFSET
VVH-8	CENTURYLINK: 1/2" BLACK CABLE	25.68	128+12.32	55.46
VVH-9	LCEC: 4" GREY PVC	26.02	128+11.30	58.24
VVH-10	LCEC: 4" GREY PVC	26.10	128+11.57	58.53
VVH-11	LCEC: 4" GREY PVC	26.02	128+11.76	59.11
VVH-12	LCEC: 4" GREY PVC	26.16	128+11.77	59.43

VERIFIED VERTICAL & HORIZONTAL

VVH-13	LCEC: 4" GREY PVC	26.08	128+11.80	59.84
VVH-14	LCEC: 4" GREY PVC	26.45	128+11.86	60.12
VVH-15	CENTURYLINK: 1/2" BLACK CABLE	26.44	130+63.97	51.28
VVH-16	CENTURYLINK: 1/2" BLACK CABLE	26.71	130+67.89	53.69
VVH-17	CENTURYLINK: 1-1/4" ORANGE HDPE	27.38	130+75.44	54.67
VVH-17A	CENTURYLINK: 1-1/4" ORANGE HDPE	27.52	130+79.47	49.76



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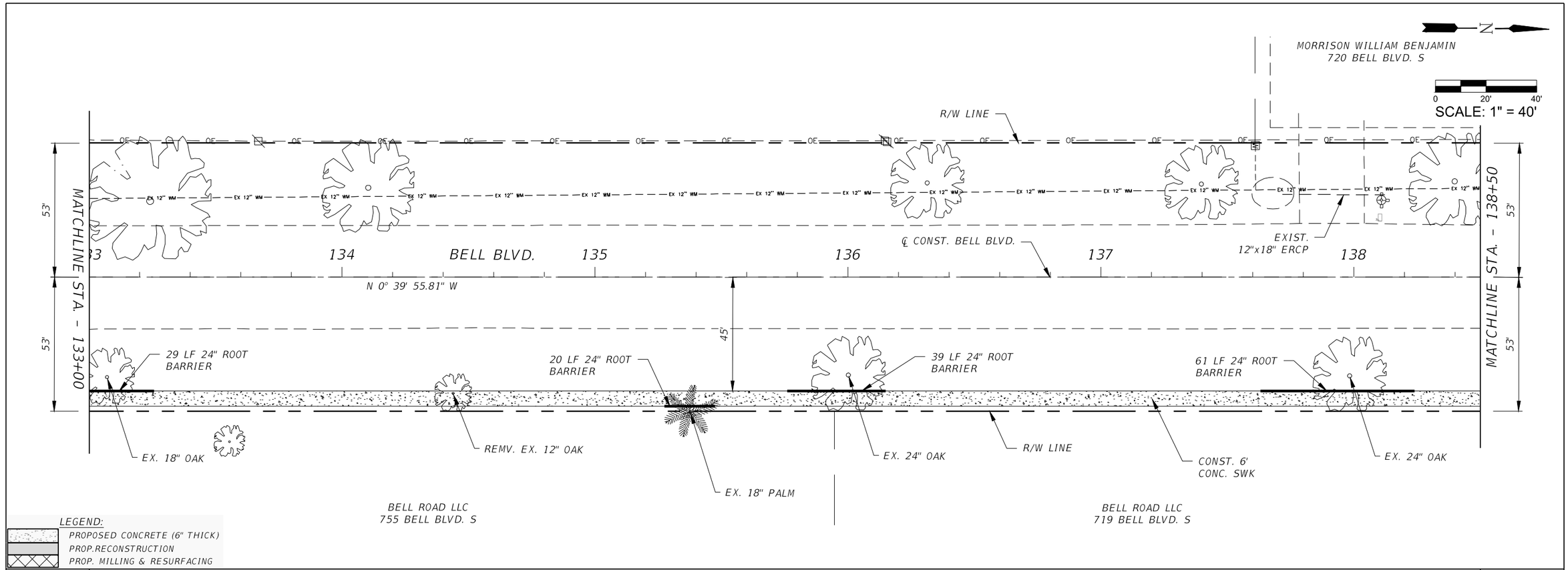
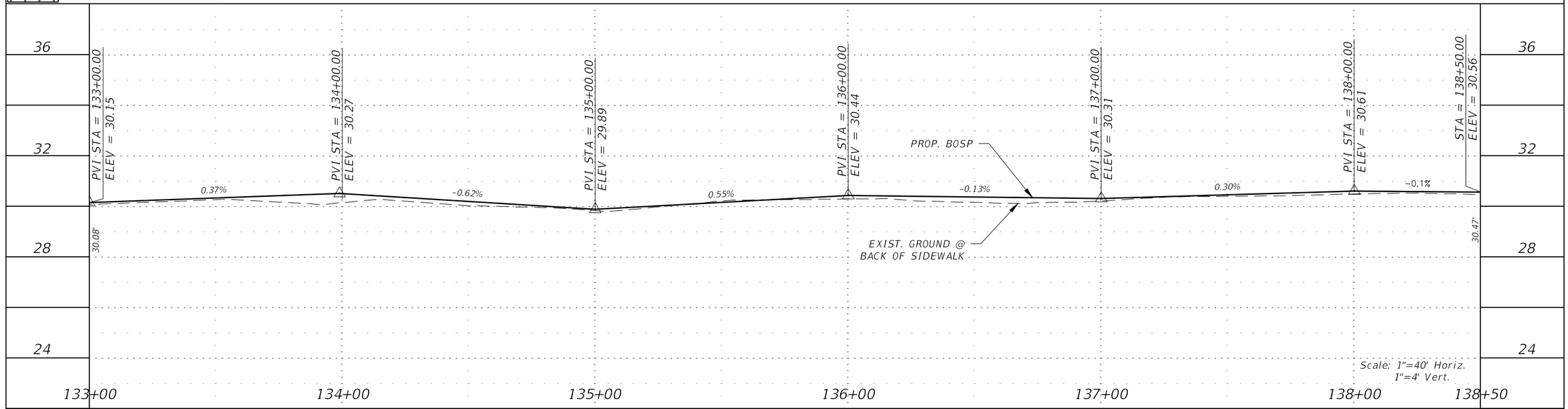
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 127+50 TO STA. 133+00

SHEET NO. 48





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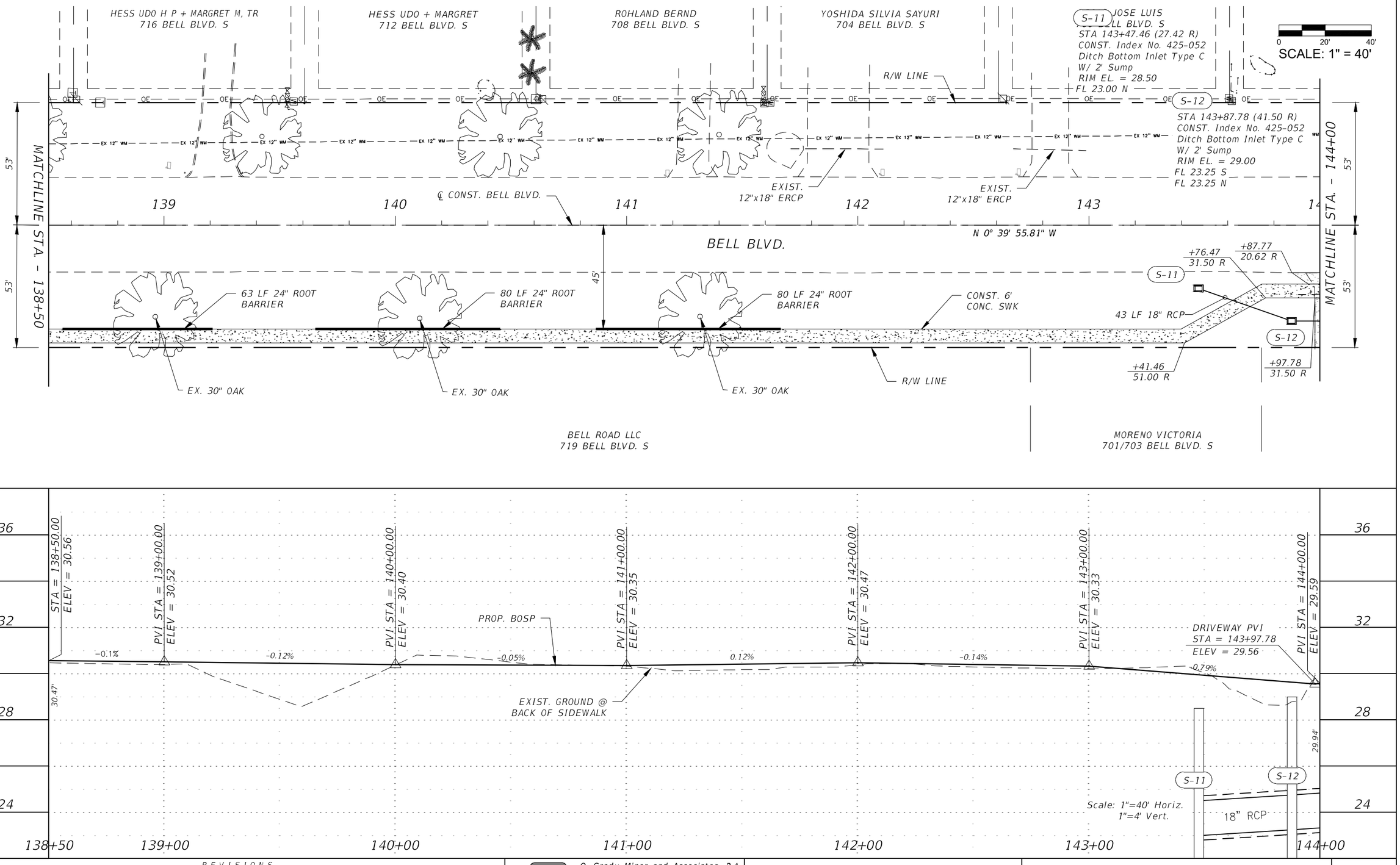
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 133+00 TO STA. 138+50

SHEET NO. 49



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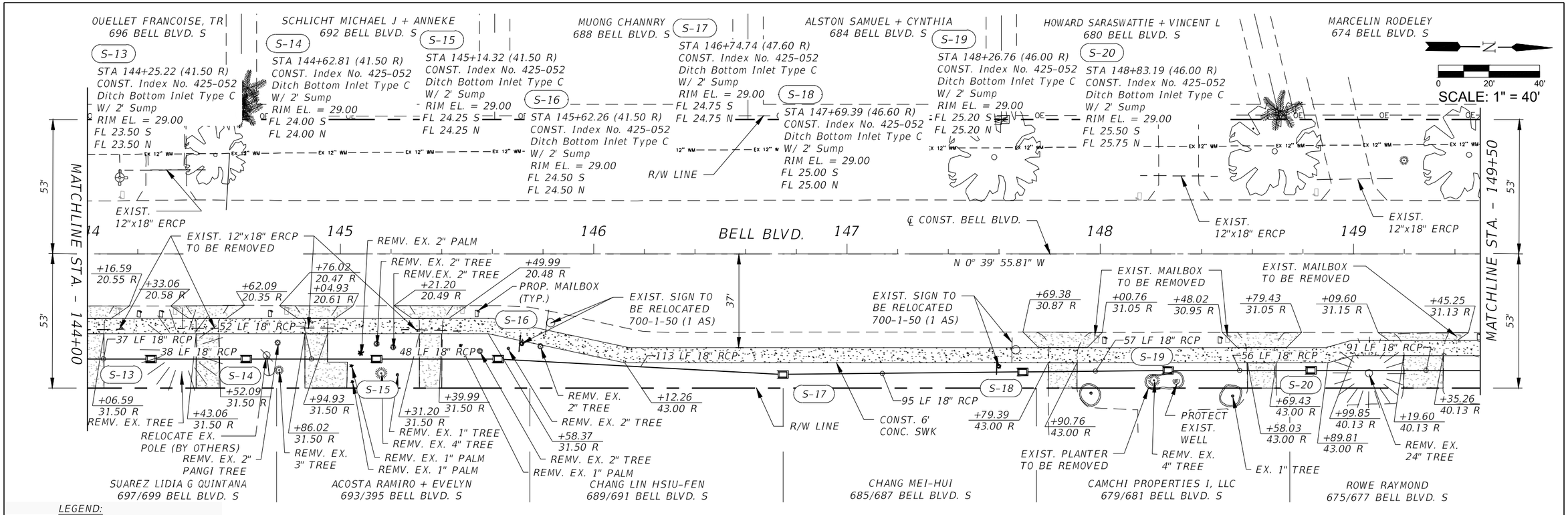
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 138+50 TO STA. 144+00

SHEET NO. 50



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

Q. Grady Minor and Associates, P.A.
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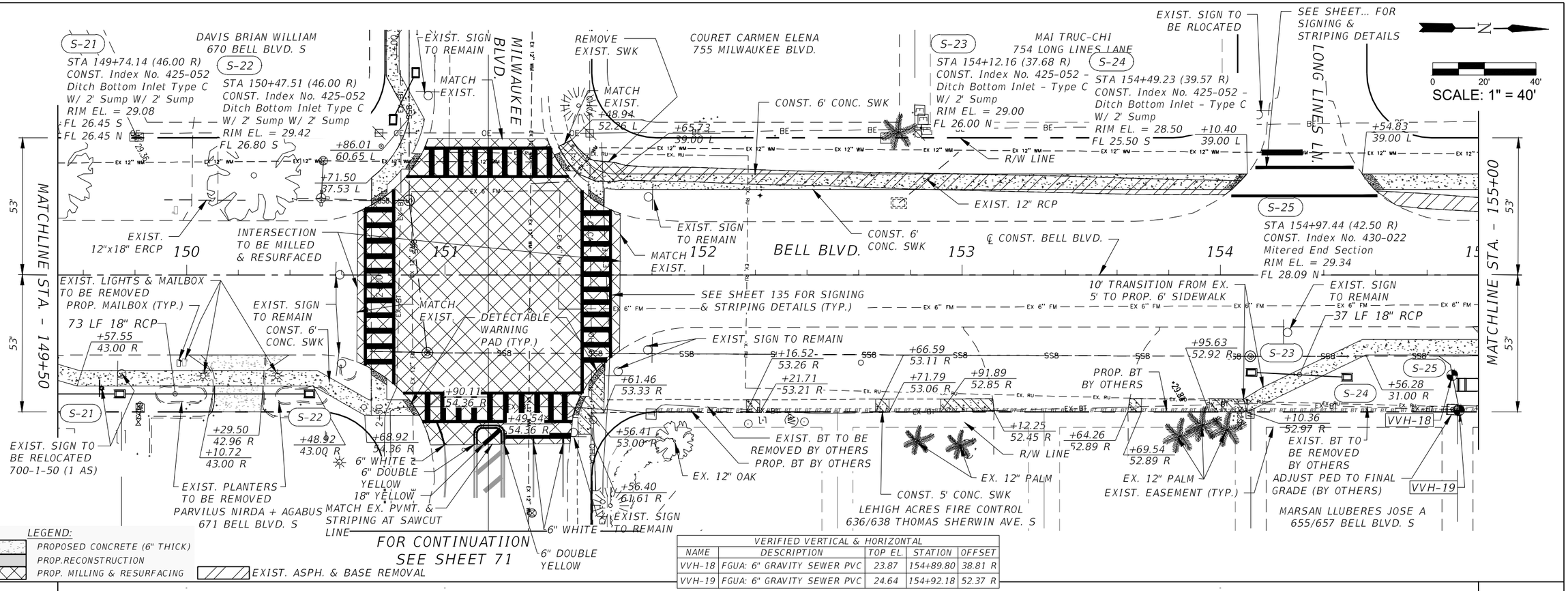
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205

LEE COUNTY

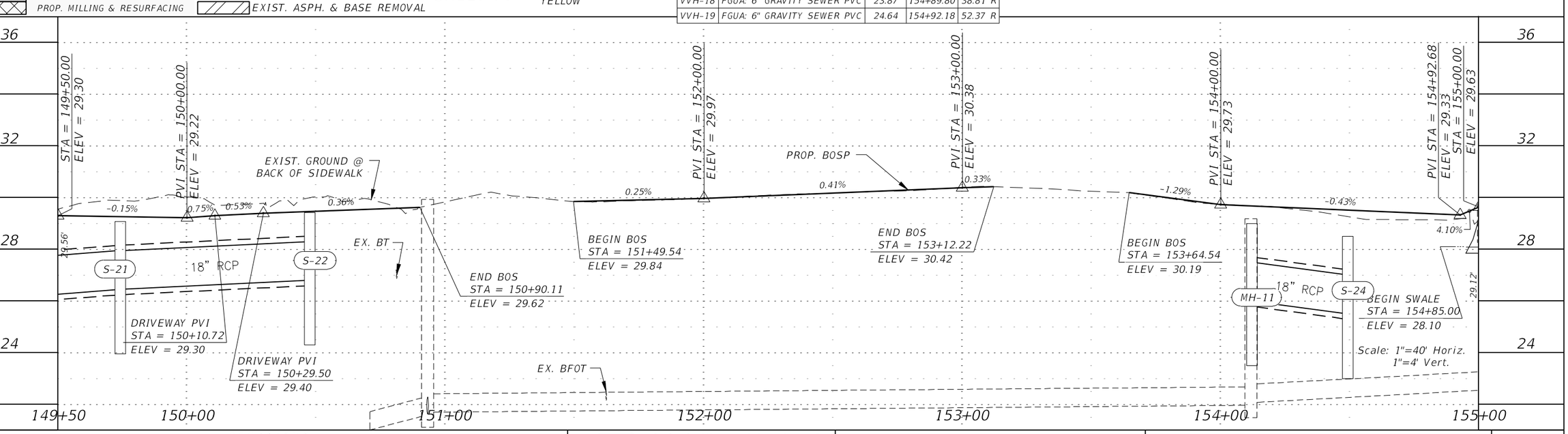
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 144+00 TO STA. 149+50

SHEET NO. 51



VERIFIED VERTICAL & HORIZONTAL				
NAME	DESCRIPTION	TOP EL.	STATION	OFFSET
VVH-18	FGUA: 6" GRAVITY SEWER PVC	23.87	154+89.80	38.81 R
VVH-19	FGUA: 6" GRAVITY SEWER PVC	24.64	154+92.18	52.37 R



REVISIONS			
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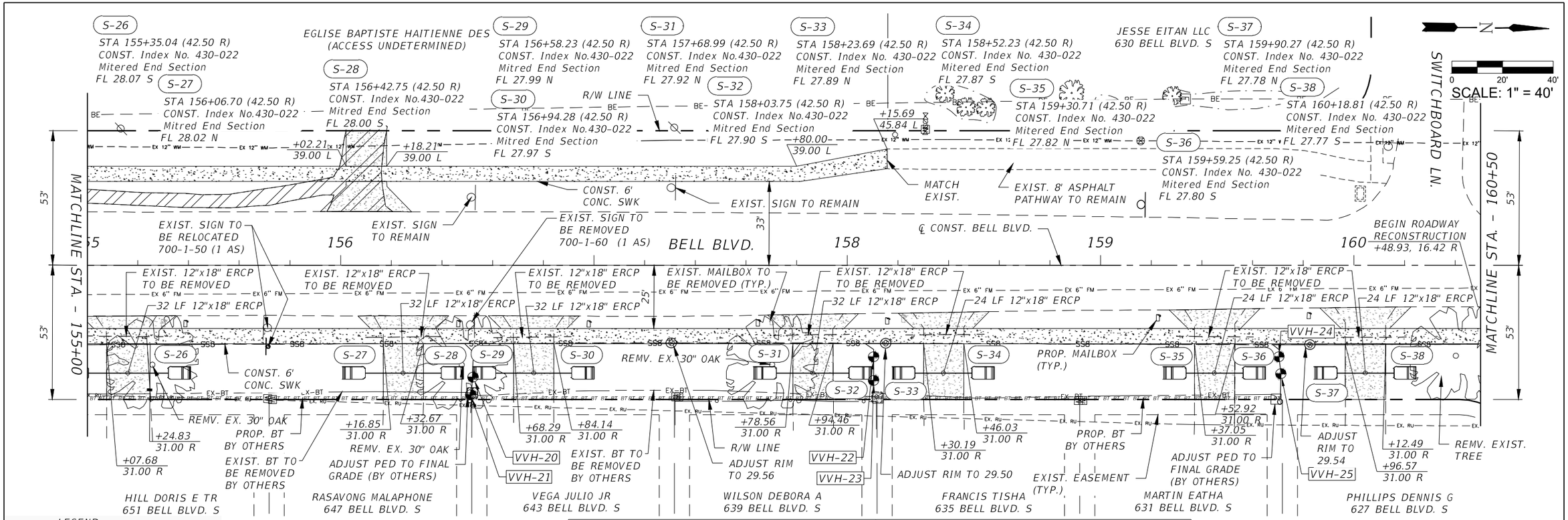
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 149+50 TO STA. 155+00

SHEET NO. 52



LEGEND:

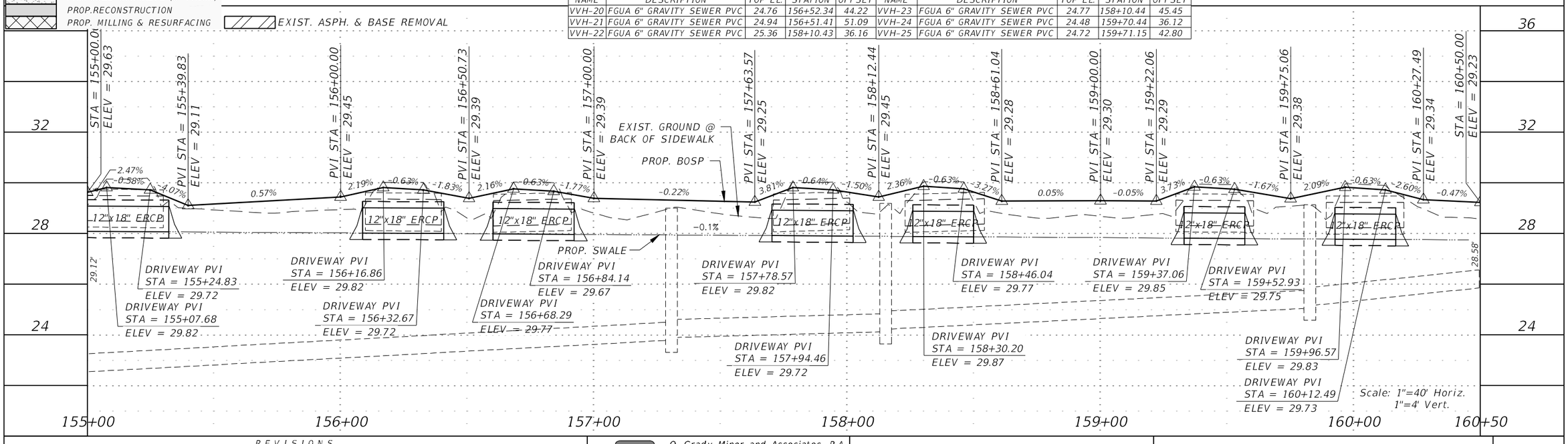
PROPOSED CONCRETE (6" THICK)

PROP.RECONSTRUCTION

PROP. MILLING & RESURFACING

EXIST. ASPH. & BASE REMOVAL

VERIFIED VERTICAL & HORIZONTAL					VERIFIED VERTICAL & HORIZONTAL				
NAME	DESCRIPTION	TOP EL.	STATION	OFFSET	NAME	DESCRIPTION	TOP EL.	STATION	OFFSET
VVH-20	FGUA 6" GRAVITY SEWER PVC	24.76	156+52.34	44.22	VVH-23	FGUA 6" GRAVITY SEWER PVC	24.77	158+10.44	45.45
VVH-21	FGUA 6" GRAVITY SEWER PVC	24.94	156+51.41	51.09	VVH-24	FGUA 6" GRAVITY SEWER PVC	24.48	159+70.44	36.12
VVH-22	FGUA 6" GRAVITY SEWER PVC	25.36	158+10.43	36.16	VVH-25	FGUA 6" GRAVITY SEWER PVC	24.72	159+71.15	42.80



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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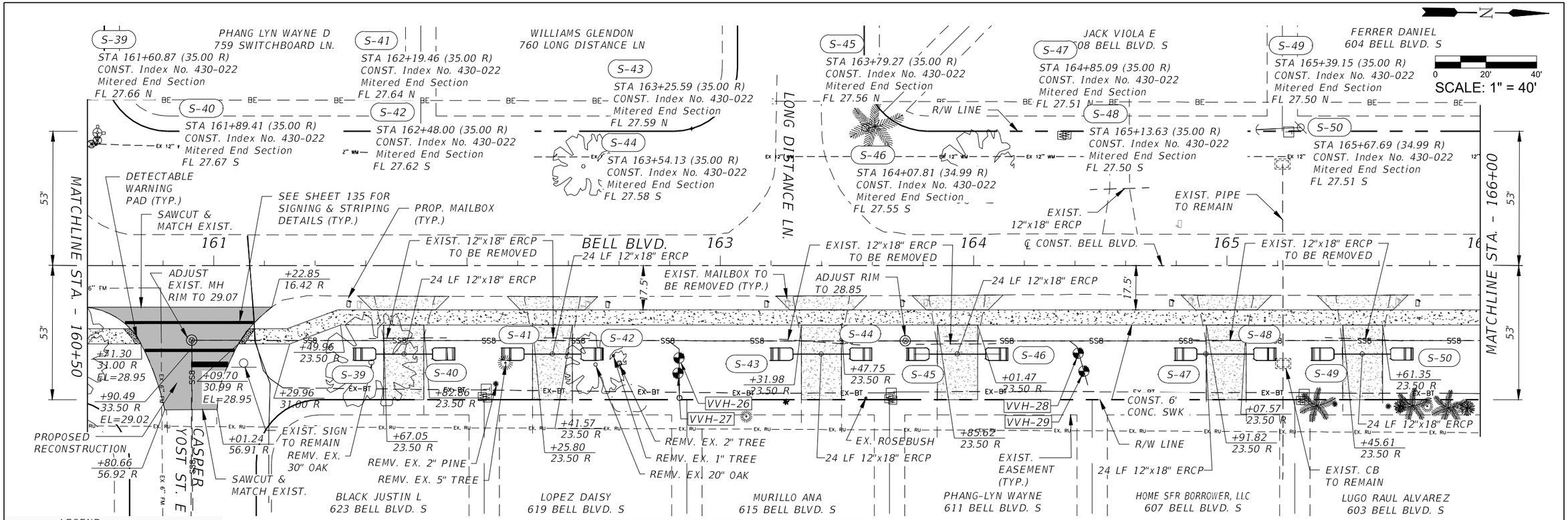
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE
STA. 155+00 TO STA. 160+50

SHEET NO. 53

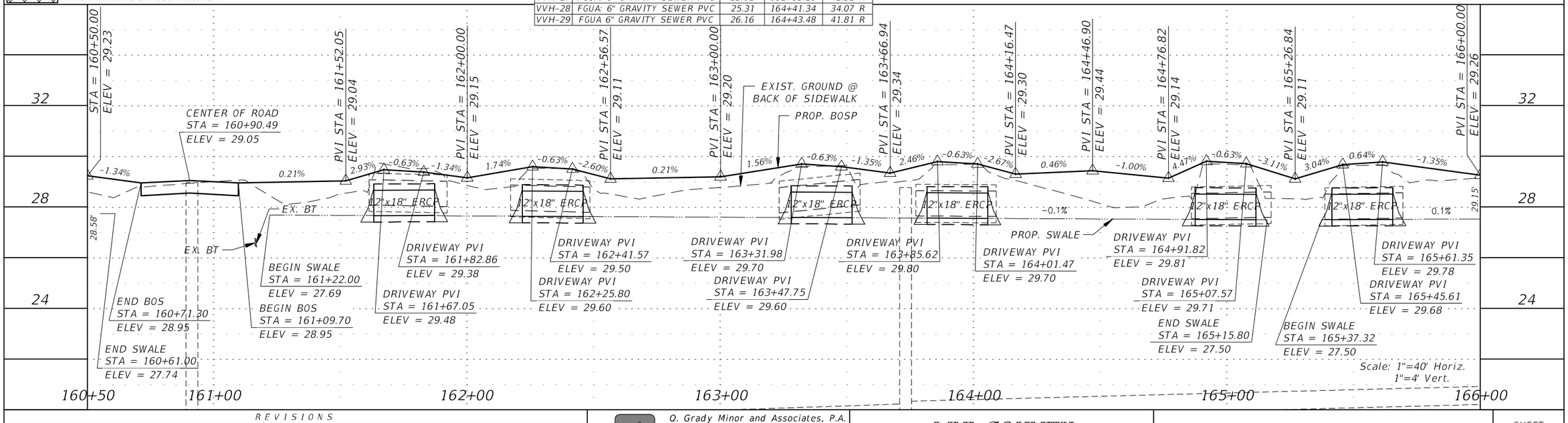


LEGEND:

- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING

VERIFIED VERTICAL & HORIZONTAL

NAME	DESCRIPTION	TOP EL.	STATION	OFFSET
VVH-26	FGUA: 6" GRAVITY SEWER PVC	24.45	162+83.68	36.54 R
VVH-27	FGUA: 6" GRAVITY SEWER PVC	25.12	162+83.26	42.52 R
VVH-28	FGUA: 6" GRAVITY SEWER PVC	25.31	164+41.34	34.07 R
VVH-29	FGUA 6" GRAVITY SEWER PVC	26.16	164+43.48	41.81 R



REVISIONS			
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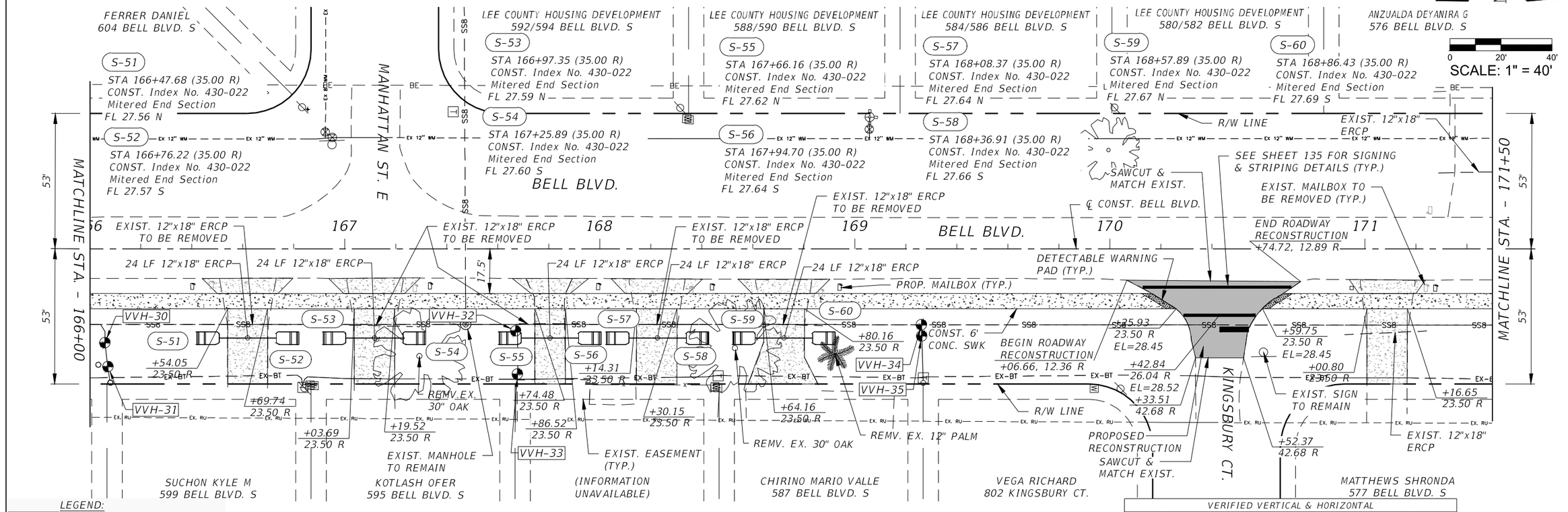
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 160+50 TO STA. 166+00

SHEET NO. 54

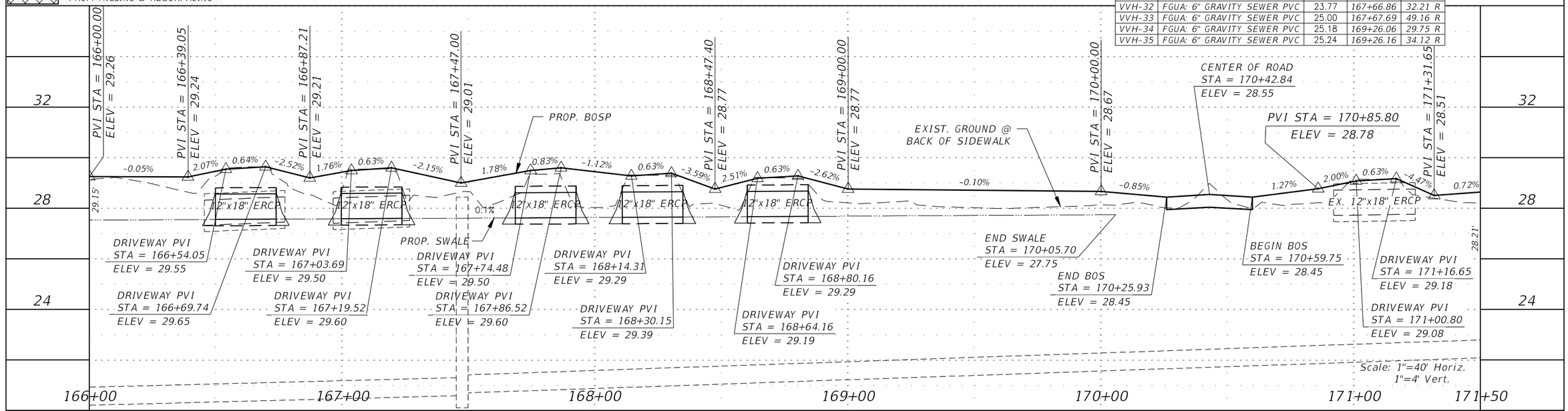


LEGEND:

- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING

VERIFIED VERTICAL & HORIZONTAL

NAME	DESCRIPTION	TOP EL.	STATION	OFFSET
VVH-30	FGUA: 6" GRAVITY SEWER PVC	24.55	166+05.94	36.84 R
VVH-31	FGUA: 6" GRAVITY SEWER PVC	25.19	166+07.10	46.12 R
VVH-32	FGUA: 6" GRAVITY SEWER PVC	23.77	167+66.86	32.21 R
VVH-33	FGUA: 6" GRAVITY SEWER PVC	25.00	167+67.69	49.16 R
VVH-34	FGUA: 6" GRAVITY SEWER PVC	25.18	169+26.06	29.75 R
VVH-35	FGUA: 6" GRAVITY SEWER PVC	25.24	169+26.16	34.12 R



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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 166+00 TO STA. 171+50

SHEET NO. 55

RAMIREZ JUAN
572 BELL BLVD. S

LOUIS ROSELIE
568 BELL BLVD. S

ROCHE YONNIE
564 BELL BLVD. S

RODRIGUEZ LUIS
560 BELL BLVD. S

DIAZ ARMINDA
556 BELL BLVD. S

MELIDOR ROBERTE
758 LONG ISLAND ST E

N

0 20' 40'
SCALE: 1" = 40'

MATCHLINE STA. - 171+50

MATCHLINE STA. - 177+00

53'

53'

R/W LINE

29.38

EXIST. 12"x18" ERCP

EXIST. 12"x18" ERCP

EXIST. 12"x18" ERCP

EXIST. 12"x18" ERCP

EXIST. 12"x18" ERCP

CONST. 6' CONC. SWK

172

EXIST. 12"x18" ERCP

173

48 LF 24" ROOT BARRIER

174

BELL BLVD.

175

EXIST. 12"x18" ERCP

176

℄ CONST. BELL BLVD.

17

17.5'

EXIST. 12"x18" ERCP

PROP. MAILBOX (TYP.)

EXIST. MANHOLE TO REMAIN

17.5'

EXIST. 12"x18" ERCP

+01.55
23.50 R

+72.08
23.50 R

+62.02
23.50 R

+32.09
23.50 R

EXIST. MAILBOX TO BE REMOVED (TYP.)

CONST. 6' CONC. SWK

EX. 20" OAK

+17.49
23.50 R

EX. 24" OAK

+56.20
23.50 R

R/W LINE

EX. 18" OAK

+77.80
23.50 R

+16.30
23.80 R

EXIST. EASEMENT (TYP.)

+39.12
23.50 R

+74.39
23.50 R

+81.60
23.50 R

+23.30
23.50 R

+90.31
23.50 R

+97.40
23.50 R

BOSTON LASHIKA N
573 BELL BLVD. S

WILLIAMS BESSIE
569 BELL BLVD. S

ALMEIDA JUAN
565 BELL BLVD. S

HILL IRIS
561 BELL BLVD. S

DURAN MIGUEL A + MARIA D
557 BELL BLVD. S

SANTIAGO MILTON + EVA
553 BELL BLVD. S

EDWARDS VERNON & NATALIE
549 BELL BLVD. S

LEGEND:

PROPOSED CONCRETE (6" THICK)

PROP.RECONSTRUCTION

PROP. MILLING & RESURFACING

STA = 171+57.87
ELEV = 28.70

PVI STA = 171+86.55
ELEV = 28.54

PVI STA = 172+37.17
ELEV = 28.82

PVI STA = 173+17.30
ELEV = 28.64

PVI STA = 174+00.00
ELEV = 28.61

PVI STA = 174+77.94
ELEV = 28.77

PVI STA = 175+57.01
ELEV = 28.78

PVI STA = 176+00.00
ELEV = 29.25

PVI STA = 176+36.20
ELEV = 28.68

STA = 177+00.00
ELEV = 29.18

-0.56%

3.73%

0.63%

-1.93%

1.68%

0.63%

PROP. BOSP

-1.33%

1.19%

0.63%

-2.97%

3.64%

0.63%

EXIST. GROUND @ BACK OF SIDEWALK

-1.16%

1.17%

-0.63%

-2.35%

3.05%

-0.63%

0.43%

-1.58%

1.45%

-0.63%

EX. 12"x18" ERCP

EX. 12"x18" ERCP

EX. 12"x18" ERCP

EX. 12"x18" ERCP

EX. 12"x18" ERCP

EX. 12"x18" ERCP

EX. 12"x18" ERCP

28.21'

29.00'

DRIVEWAY PVI
STA = 172+01.55
ELEV = 29.10

DRIVEWAY PVI
STA = 172+17.49
ELEV = 29.20

DRIVEWAY PVI
STA = 172+56.20
ELEV = 29.14

DRIVEWAY PVI
STA = 172+72.08
ELEV = 29.24

DRIVEWAY PVI
STA = 173+62.02
ELEV = 29.17

DRIVEWAY PVI
STA = 173+77.80
ELEV = 29.27

DRIVEWAY PVI
STA = 174+16.30
ELEV = 29.20

DRIVEWAY PVI
STA = 174+32.09
ELEV = 29.30

DRIVEWAY PVI
STA = 175+23.20
ELEV = 29.30

DRIVEWAY PVI
STA = 175+39.12
ELEV = 29.20

DRIVEWAY PVI
STA = 175+74.39
ELEV = 29.31

DRIVEWAY PVI
STA = 175+90.31
ELEV = 29.21

DRIVEWAY PVI
STA = 176+81.60
ELEV = 29.34

DRIVEWAY PVI
STA = 176+97.40
ELEV = 29.24

Scale: 1"=40' Horiz.
1"=4' Vert.

32

28

24

171+50

172+00

173+00

174+00

175+00

176+00

177+00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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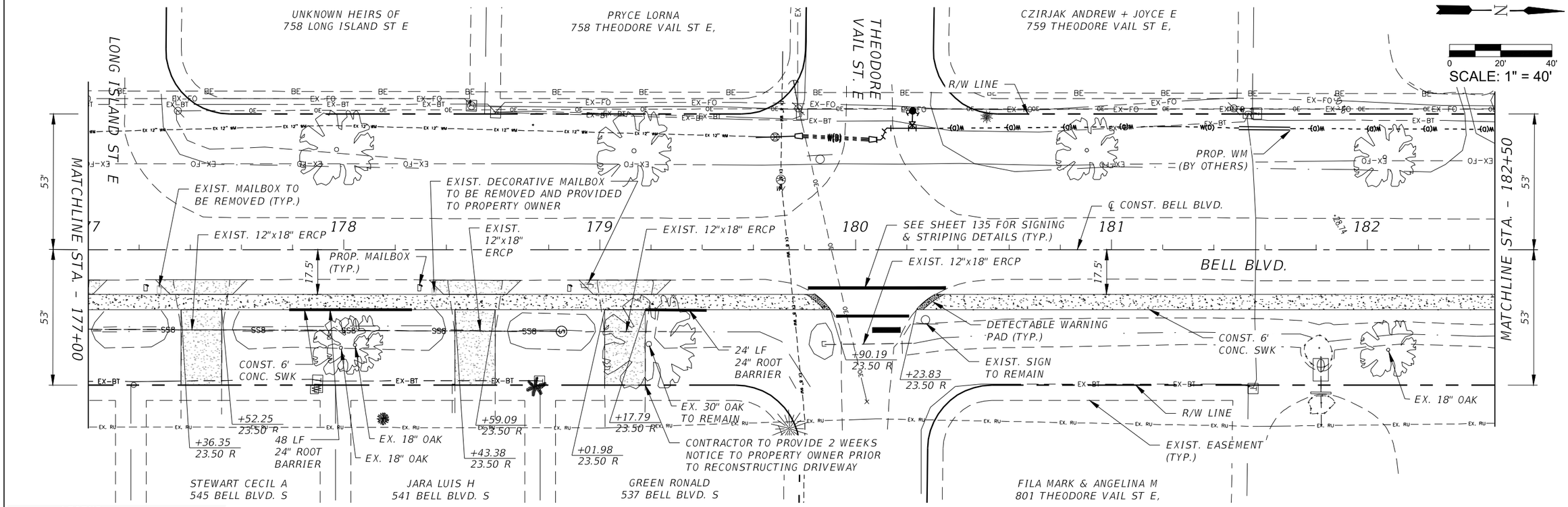
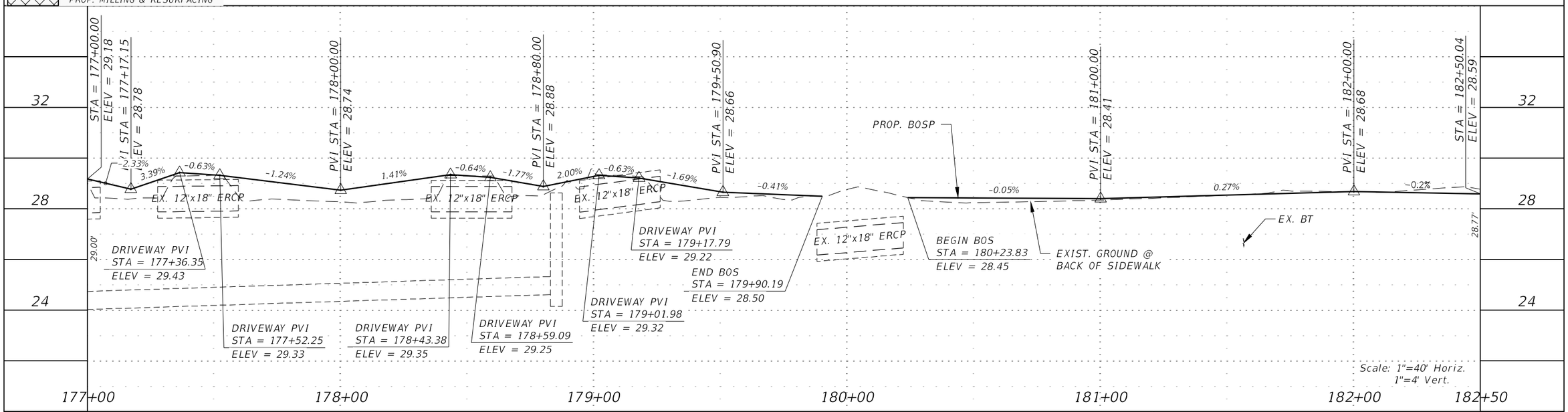
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 171+50 TO STA. 177+00

SHEET NO. 56





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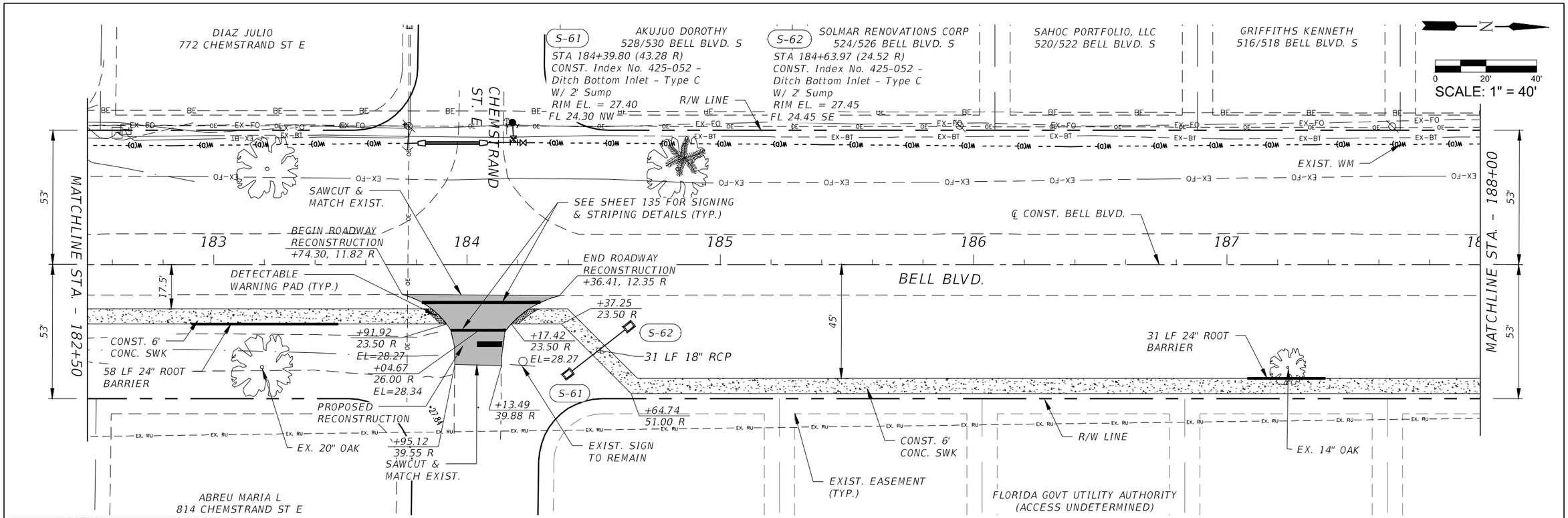
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

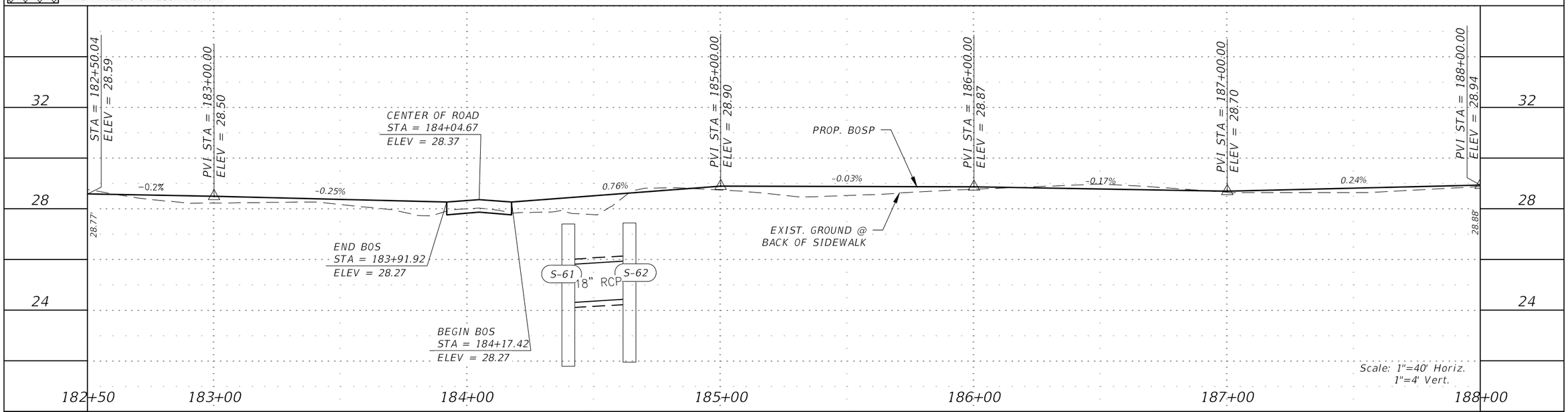
ROADWAY PLAN & PROFILE STA. 177+00 TO STA. 182+50

SHEET NO. 57



LEGEND:

- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING



REVISIONS			
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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 182+50 TO STA. 188+00

SHEET NO. 58

READ NORMA
512/514 BELL BLVD. S

FERNANDEZ BEN
508 BELL BLVD. S

DIAZ JENNIFER
504/506 BELL BLVD. S

COLLAZO LOURDES P & ANDRES
500/502 BELL BLVD. S

GUIDO GENEVIEVE TR
496/498 BELL BLVD. S

PASQUINI CHRISTOPHER
492/494 BELL BLVD. S

MANN BRAD
488/490 BELL BLVD. S

N

0 20' 40'
SCALE: 1" = 40'

R/W LINE

EX. WM

℄ CONST. BELL BLVD.

EXIST. 12"x18" ERCP

EXIST. 12"x18" ERCP

188 189 190 191 192 193

MATCHLINE STA. - 188+00

MATCHLINE STA. - 193+50

53'

53'

53'

53'

BELL BLVD.

45'

31 LF 24" ROOT BARRIER

48 LF 24" ROOT BARRIER

46 LF 24" ROOT BARRIER

EX. OAK

EXIST. SIGN (TO REMAIN)

19 LF 24" ROOT BARRIER

EX. OAK

EX. 10" OAK

CONST. 6' CONC. SWK

EX. 18" OAK

R/W LINE

EXIST. EASEMENT (TYP.)

FLORIDA GOVT UTILITY AUTHORITY
(ACCESS UNDETERMINED)

LEGEND:

PROPOSED CONCRETE (6" THICK)

PROP.RECONSTRUCTION

PROP. MILLING & RESURFACING

PVI STA = 188+00.00
ELEV = 28.94

PVI STA = 189+00.00
ELEV = 28.93

PVI STA = 190+00.00
ELEV = 28.98

PVI STA = 191+00.00
ELEV = 28.91

PVI STA = 192+00.00
ELEV = 29.21

PVI STA = 193+00.00
ELEV = 29.52

STA = 193+50.00
ELEV = 29.67

PROP. BOSP

-0.01%

0.05%

-0.07%

0.30%

0.31%

0.3%

28.88'

29.54'

EXIST. GROUND @
BACK OF SIDEWALK

32

28

24

Scale: 1"=40' Horiz.
1"=4' Vert.

188+00 189+00 190+00 191+00 192+00 193+00 193+50

REVISIONS

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LEE COUNTY

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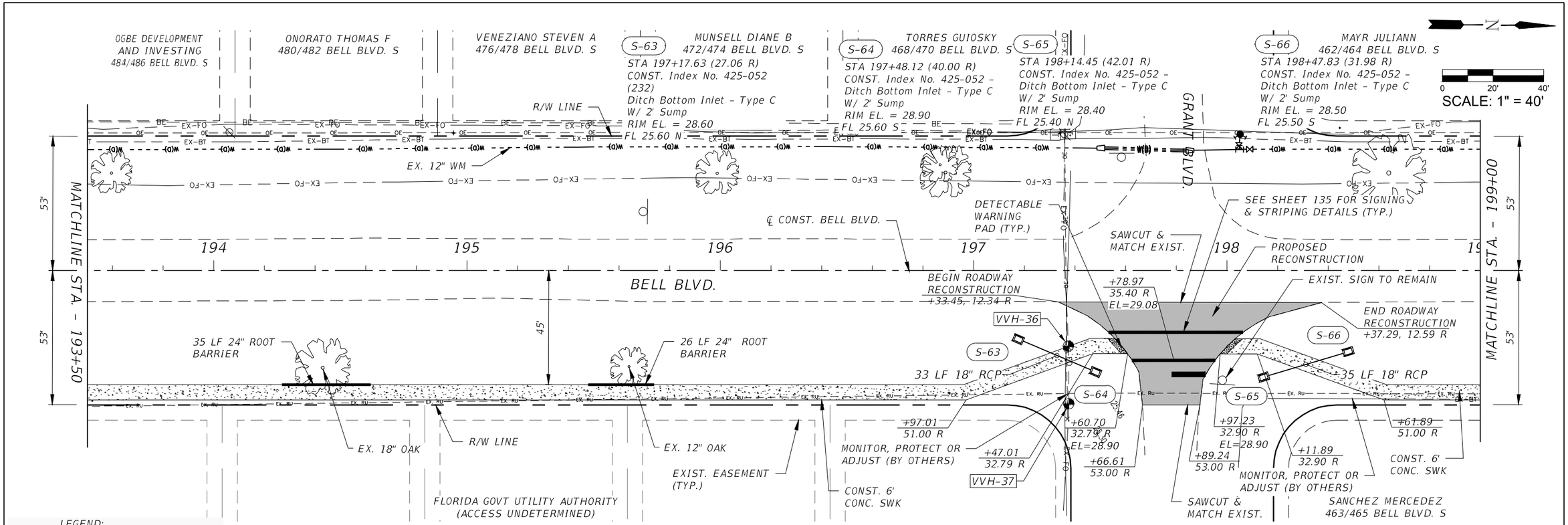
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

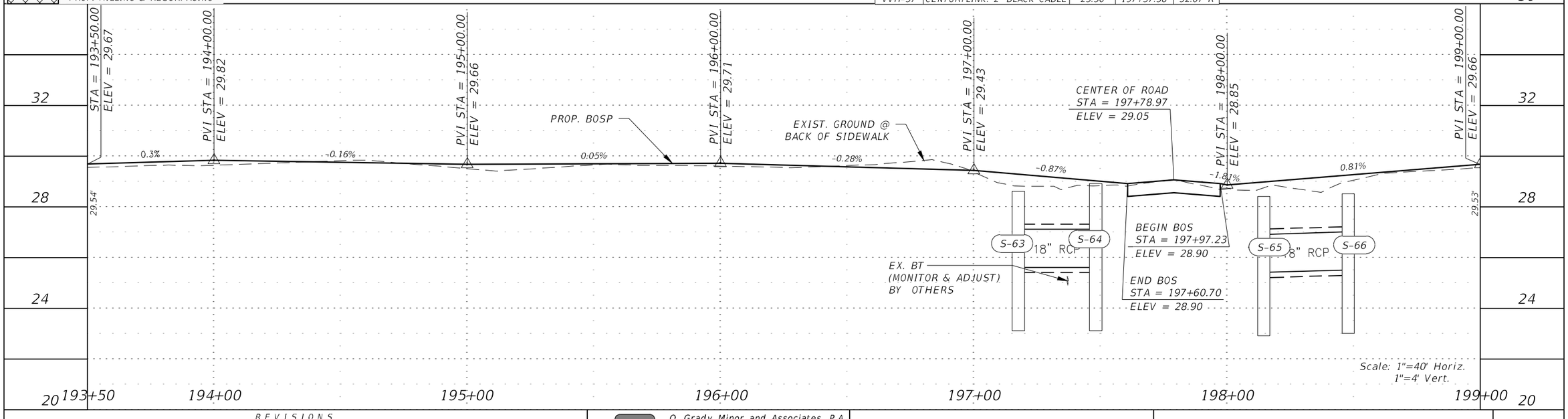
ROADWAY PLAN & PROFILE
STA. 188+00 TO STA. 193+50

SHEET NO.
59



LEGEND:
- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING

VERIFIED VERTICAL & HORIZONTAL				
NAME	DESCRIPTION	TOP EL.	STATION	OFFSET
VVH-36	CENTURYLINK: 2" BLACK CABLE	25.46	197+37.40	29.90 R
VVH-37	CENTURYLINK: 2" BLACK CABLE	25.30	197+37.58	52.67 R



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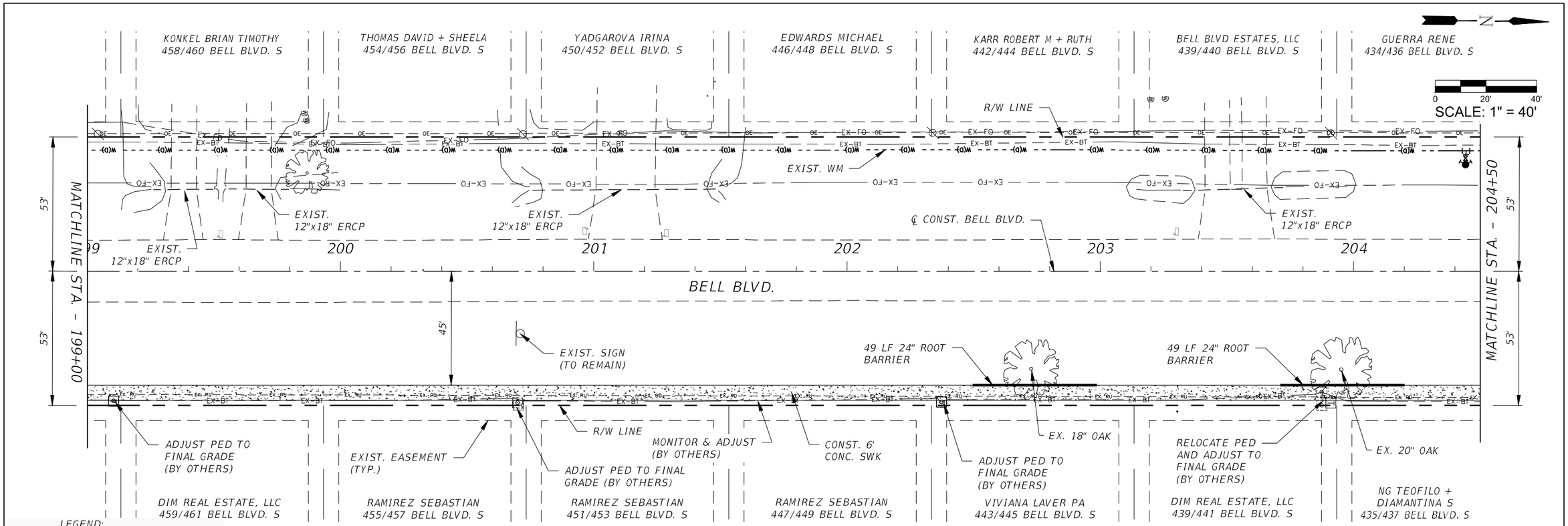
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 193+50 TO STA. 199+00

SHEET NO. 60



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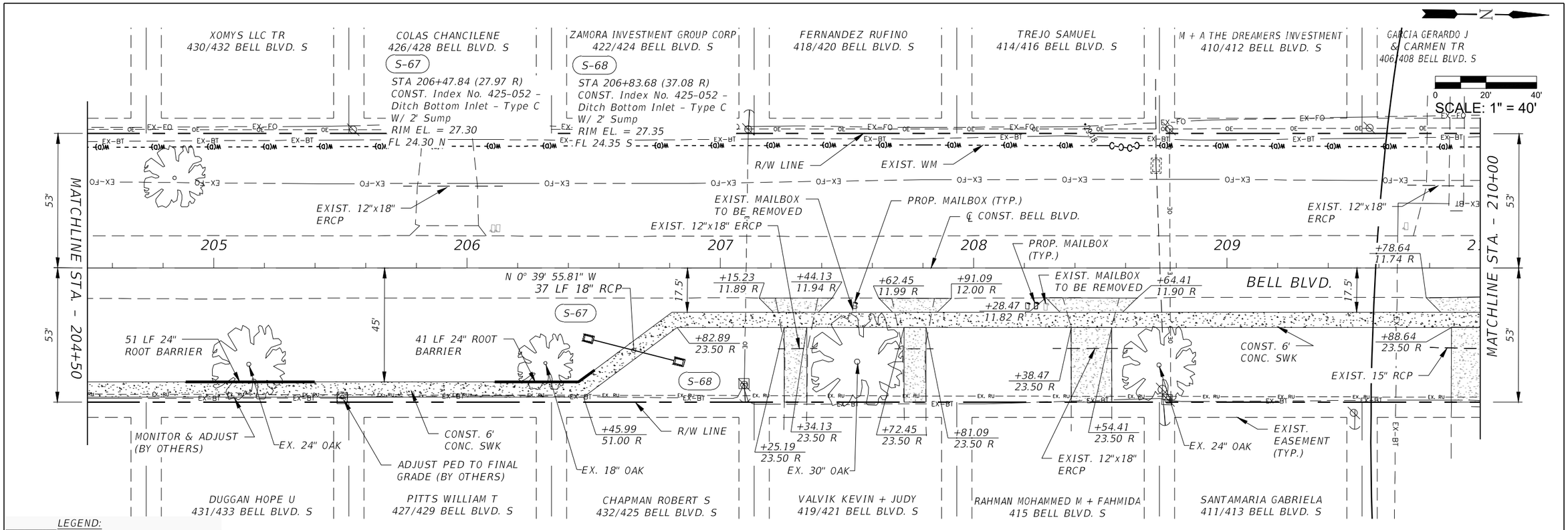
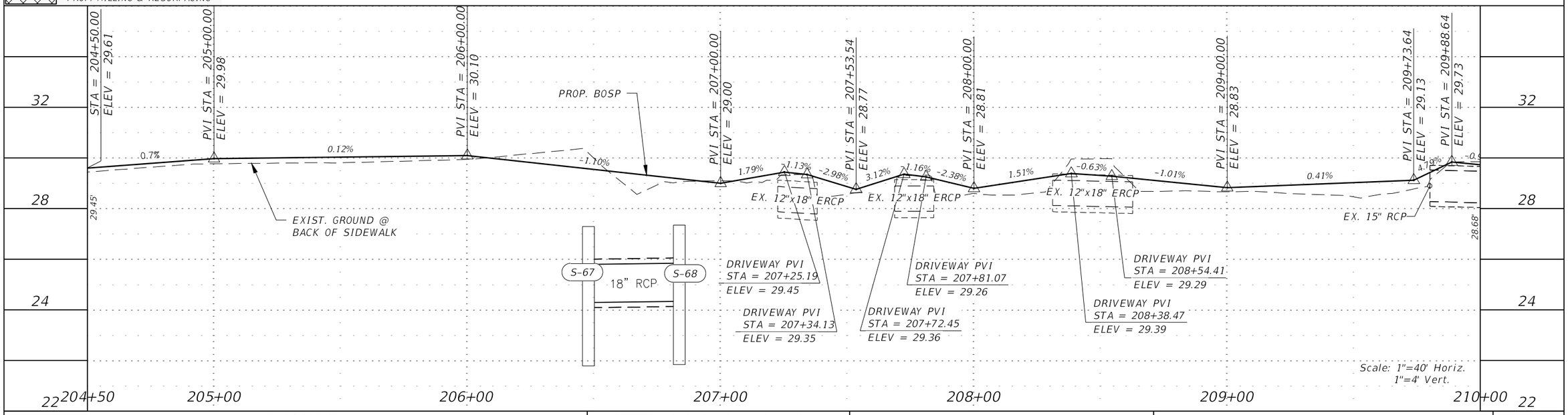
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 199+00 TO STA. 204+50

SHEET NO. 61





REVISIONS			
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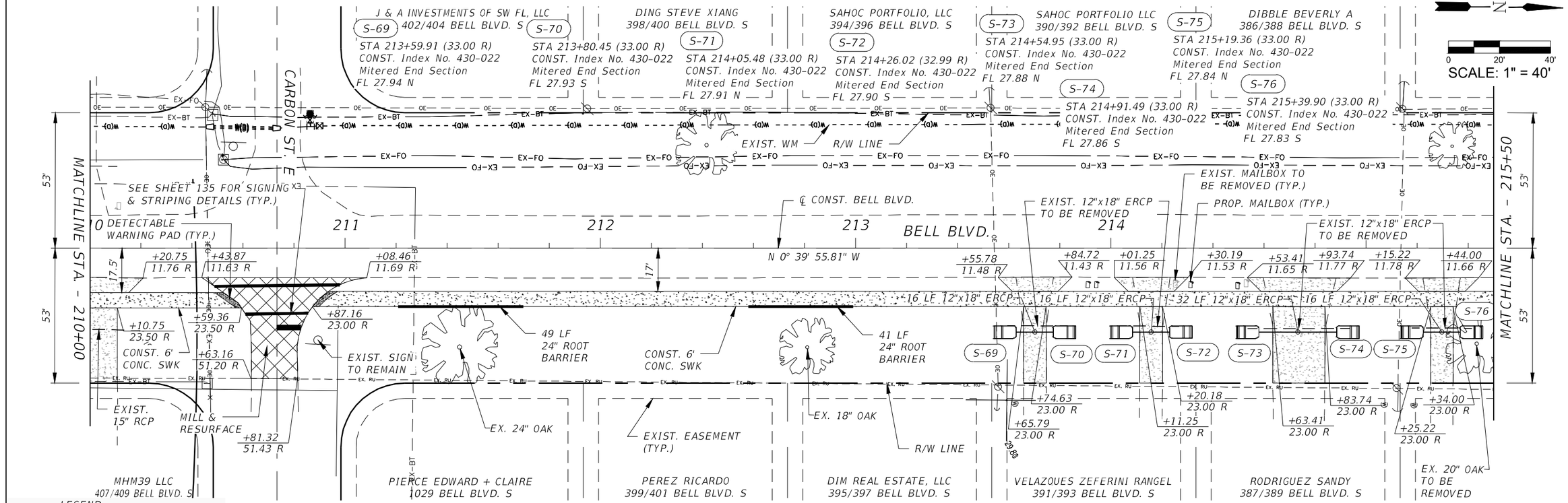
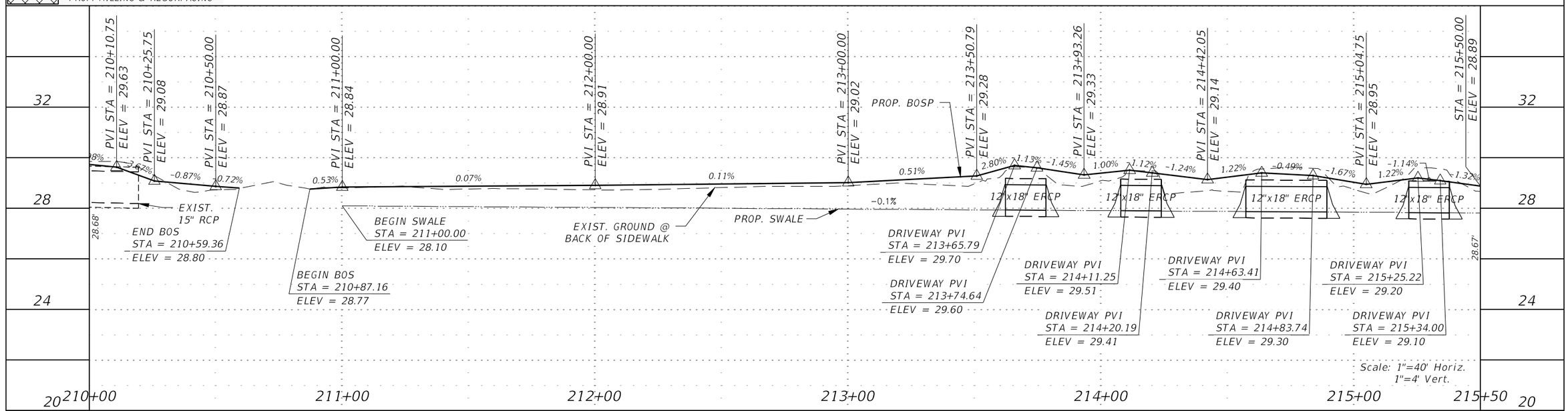
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

PLAN & PROFILE
STA. 204+50 TO STA. 210+00

SHEET NO. 62





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

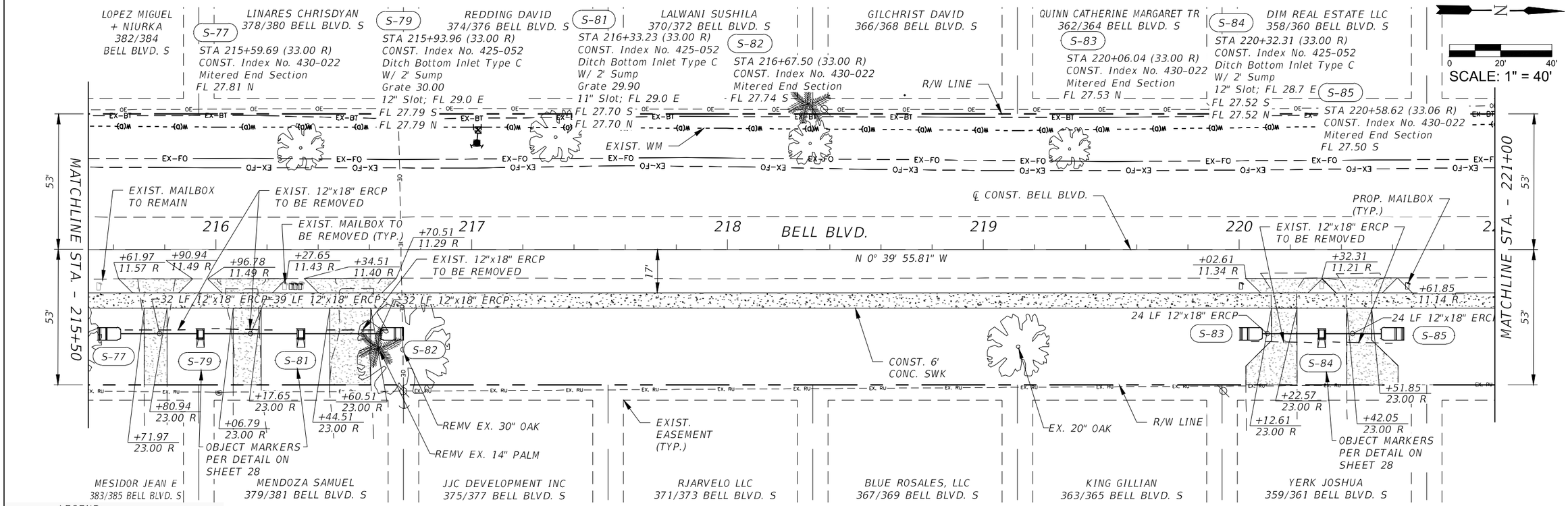
Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205
GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LC 26000266

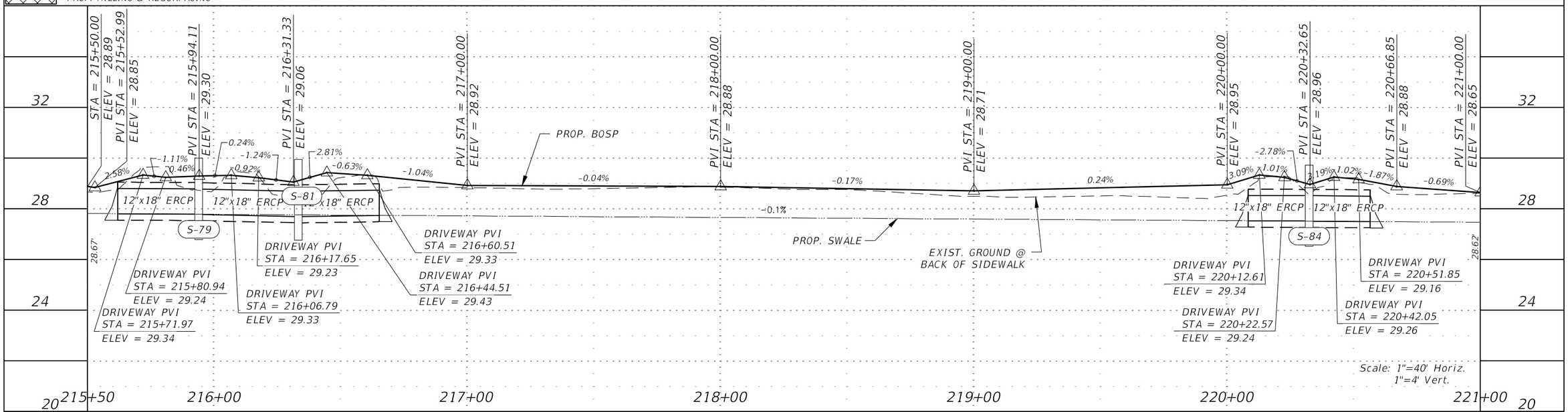
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 210+00 TO STA. 215+50

SHEET NO. 63





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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 215+50 TO STA. 221+00

SHEET NO. 64

DIM REAL ESTATE, LLC
354/356 BELL BLVD. S

BC SUNSHINE TRUST
350/352 BELL BLVD. S

GHADIMIAN VACHIK
346/348 BELL BLVD. S

WILLIAMS KEISHA M
342/344 BELL BLVD. S

S-86
DAVID THOMAS
338/340 BELL BLVD. S
STA 225+66.89 (35.64 R)
CONST. Index No. 430-022
Mitered End Section
FL 27.27 N

S-87
PALLADINO RALPH T
334/336 BELL BLVD. S
STA 226+19.47 (35.66 R)
CONST. Index No. 430-022
Mitered End Section
FL 27.17 S

N
0 20' 40'
SCALE: 1" = 40'

CALUMET ST E

MATCHLINE STA. - 221+00

MATCHLINE STA. - 226+50

BELL BLVD.

N 0° 39' 55.81" W

EXIST. WM

R/W LINE

EXIST. 12"x18" ERCP

EXIST. 12"x18" ERCP

EXIST. 12"x18" ERCP

SEE SHEET 135 FOR SIGNING & STRIPING DETAILS (TYP.)

℄ CONST. BELL BLVD.

EXIST. MAILBOX TO BE REMOVED (TYP.)

+17.81
11.47 R

+93.67
11.24 R

+79.66
11.11 R

+21.18
11.01 R

PROP. MAILBOX (TYP.)

EXIST. 12"x18" ERCP TO BE REMOVED

48 LF 12"x18" ERCP

DETECTABLE WARNING PAD (TYP.)

+37.48
23.00 R

+72.67
23.00 R

CONST. 6' CONC. SWK

CONST. 6' CONC. SWK

48 LF
24" ROOT
BARRIER

S-86

S-87

+43.21
53.05 R

+62.08
53.11 R

+11.18
23.00 R

+89.66
23.00 R

EX. 30" OAK

MILL & RESURFACE

EXIST. SIGN TO REMAIN

EXIST. EASEMENT (TYP.)

R/W LINE

EX. 20" OAK

REMV. EX. 1" TREE

REMV. EX. 1" TREE

LC HOLDINGS LLC
355 BELL BLVD. S

PITTS WILLIAM T
351/353 BELL BLVD. S

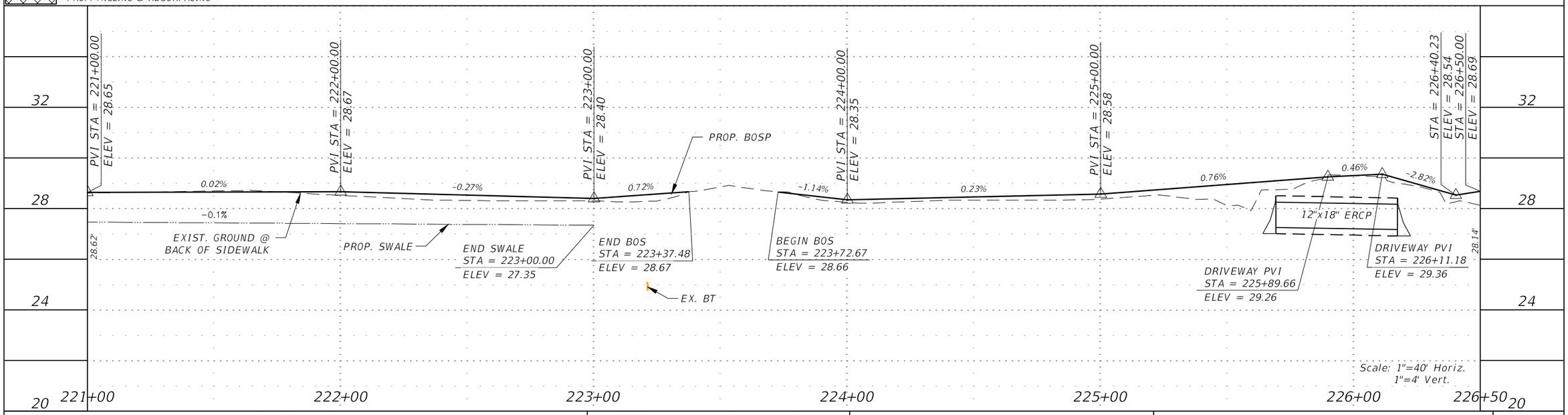
CORREA DIANA
347/349 BELL BLVD. S

RODRIGUEZ NIKOLAS A TR
343/345 BELL BLVD. S

RODRIGUEZ NIKOLAS A, TR
339/341 BELL BLVD. S

MOLINA DARRYL
335/337 BELL BLVD. S

LEGEND:
- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

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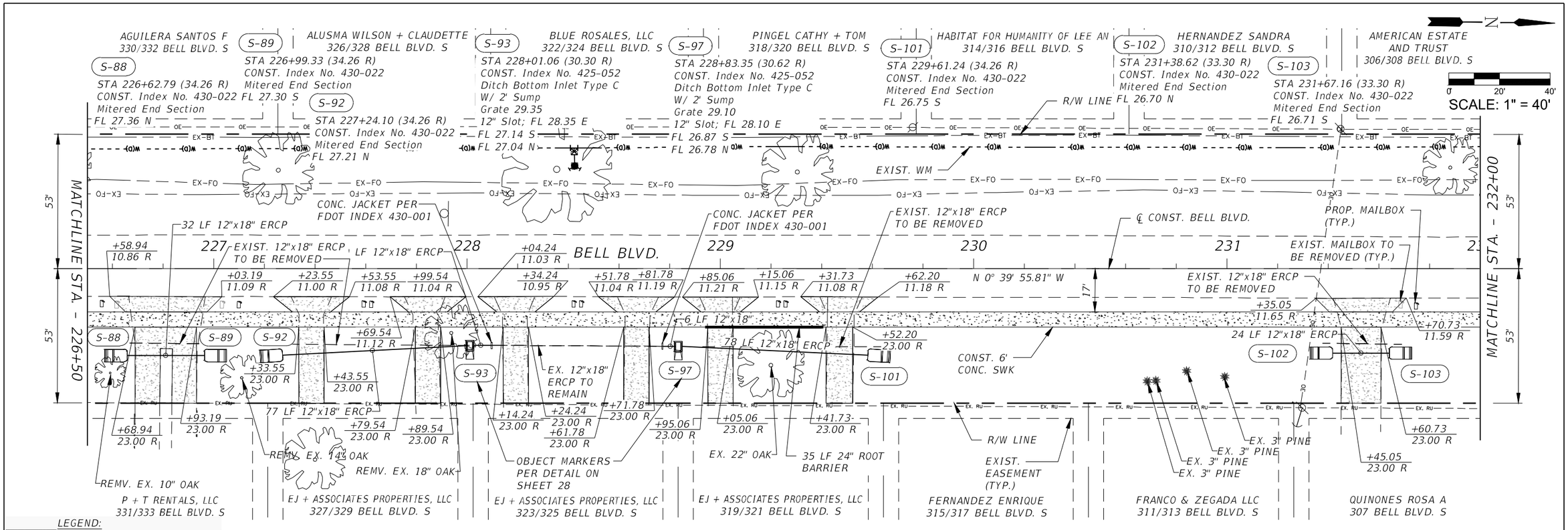
3800 Via Del Rey
Bonita Springs, Florida 34134
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205

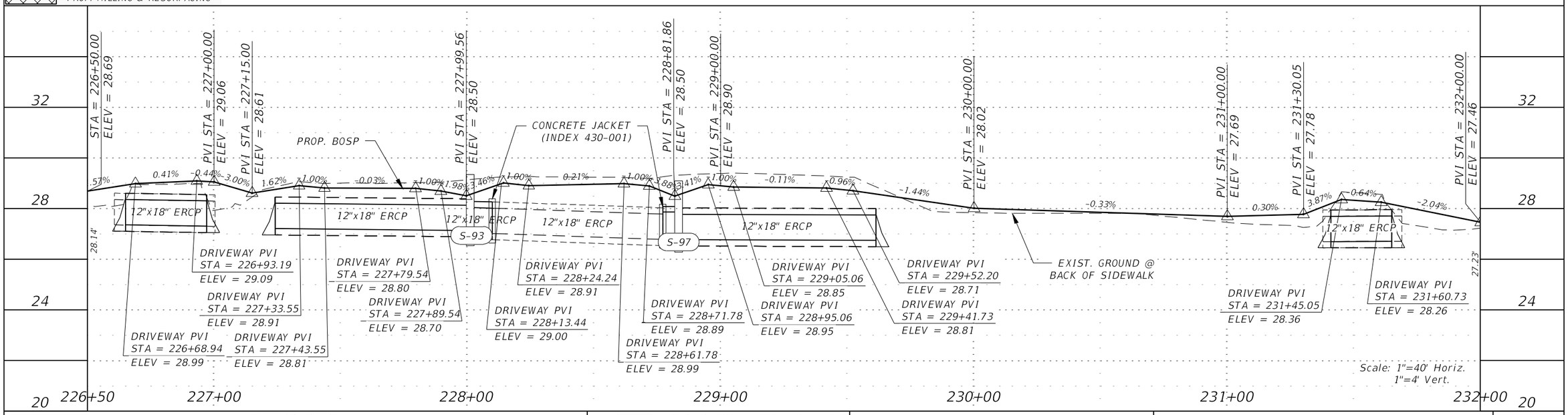
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE
STA. 204+50 TO STA. 226+50

SHEET NO. 65





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

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3800 Via Del Rey
Bonita Springs, Florida 34134
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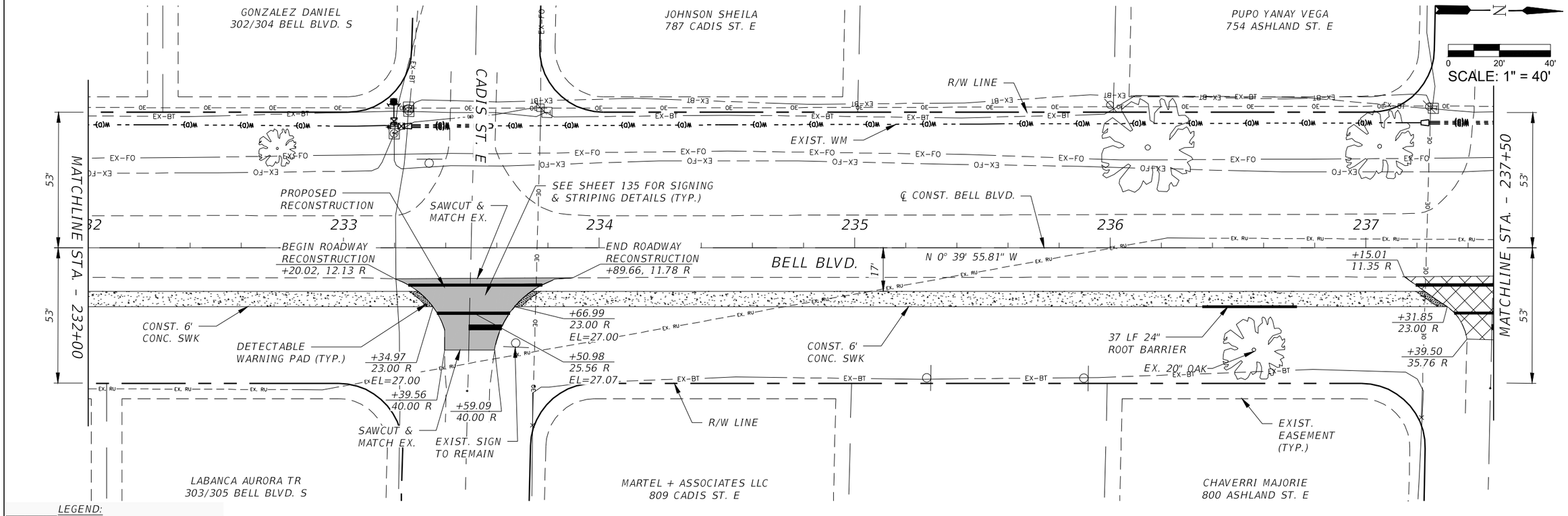
R. DANIEL FLYNN, P.E. NO. 76205

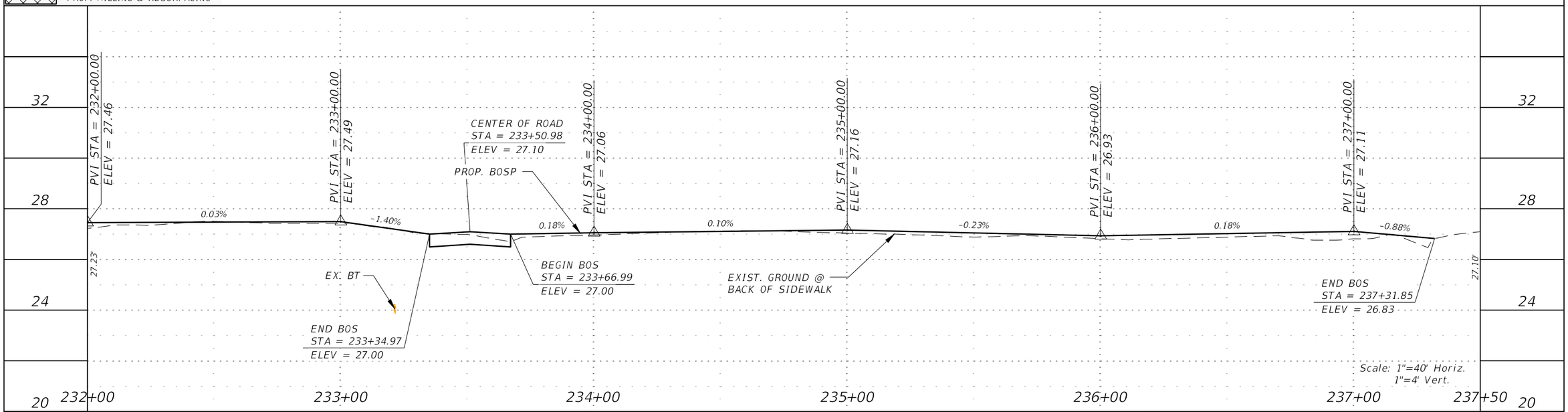
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 226+50 TO STA. 232+00

SHEET NO. 66





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

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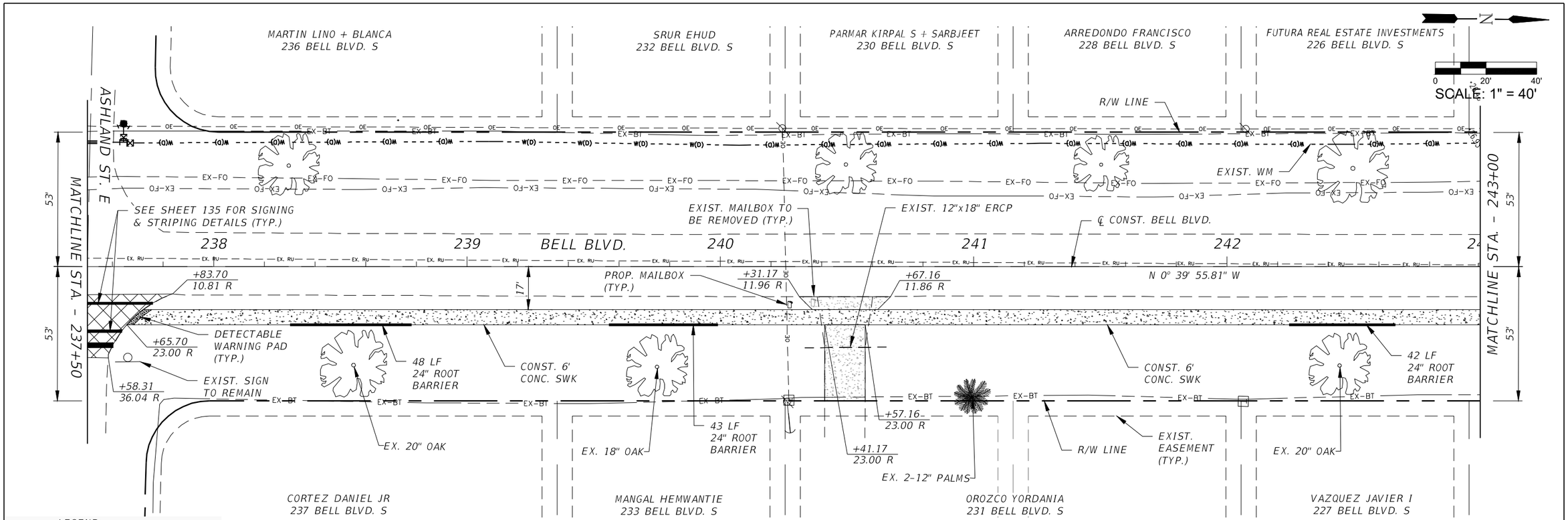
3800 Via Del Rey
Bonita Springs, Florida 34134
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205

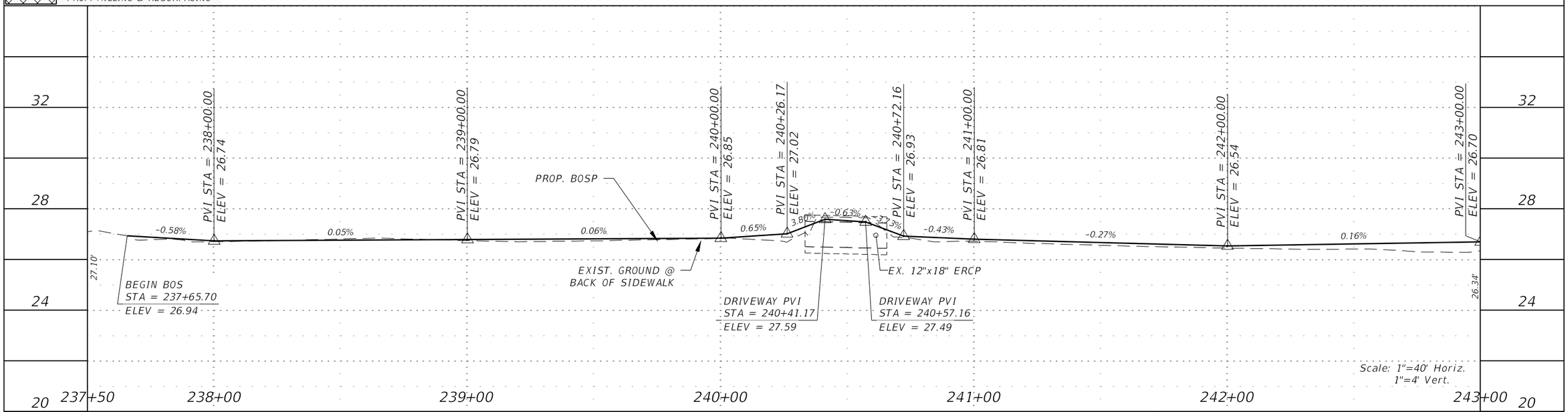
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 232+00 TO STA. 237+50

SHEET NO. 67





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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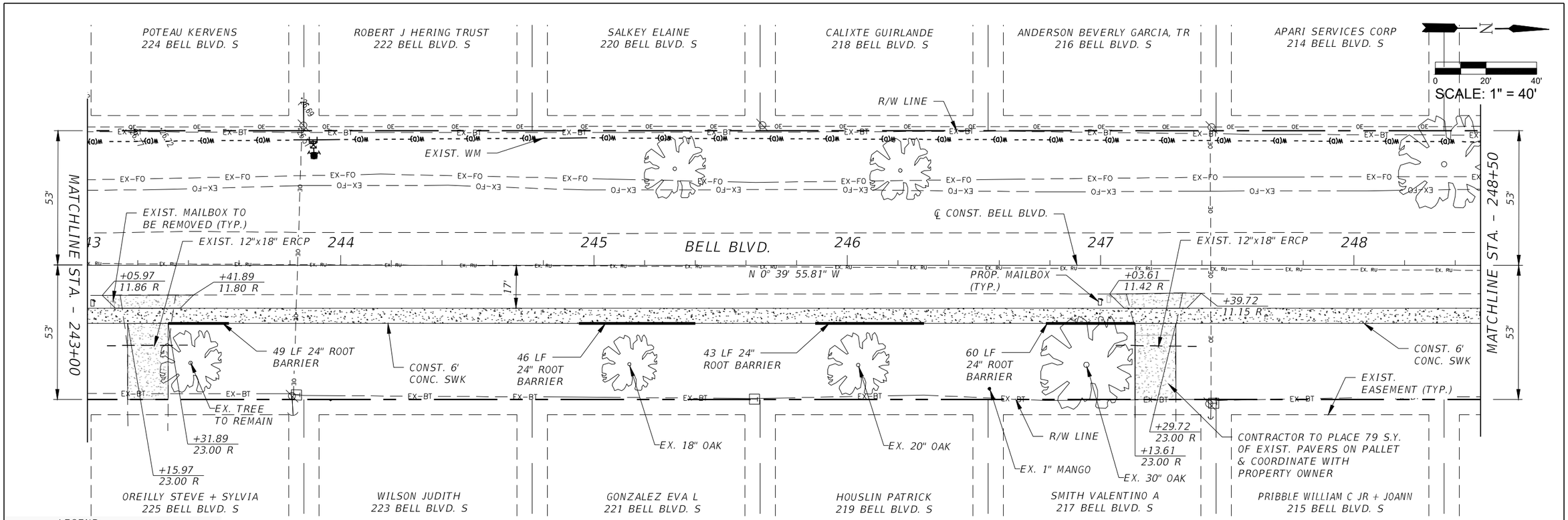
Bonita Springs, Florida 34134
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205
GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005151 Cert. of Auth. LB 0005151 Business LC 26000266

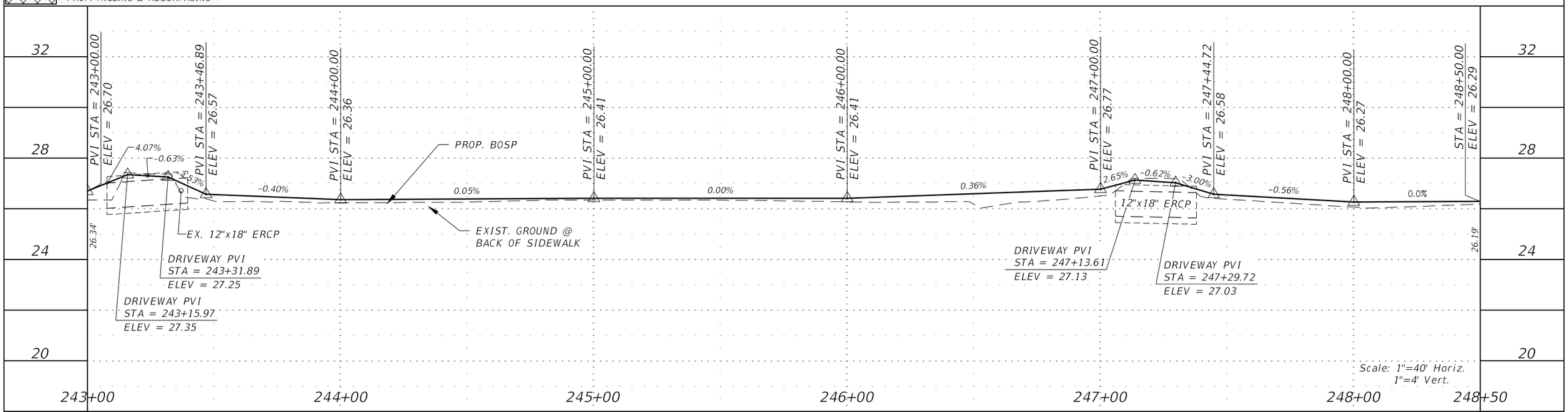
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 237+50 TO STA. 243+00

SHEET NO. 68





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

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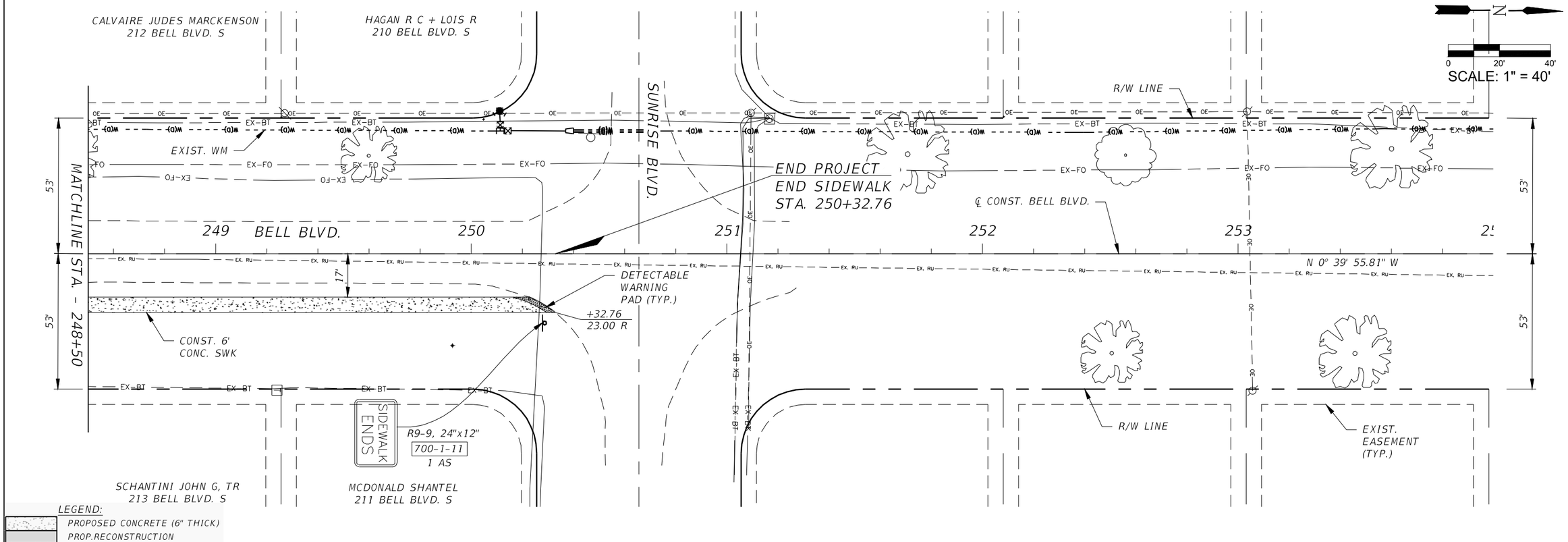
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205

LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

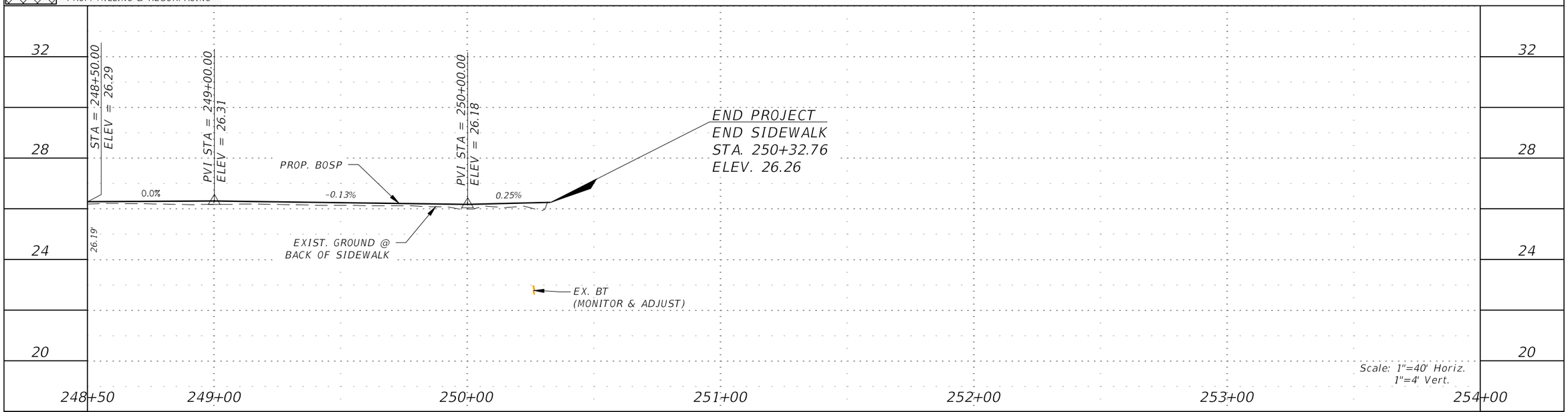
ROADWAY PLAN & PROFILE
STA. 243+00 TO STA. 248+50

SHEET NO. 69



LEGEND:

- PROPOSED CONCRETE (6" THICK)
- PROP.RECONSTRUCTION
- PROP. MILLING & RESURFACING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

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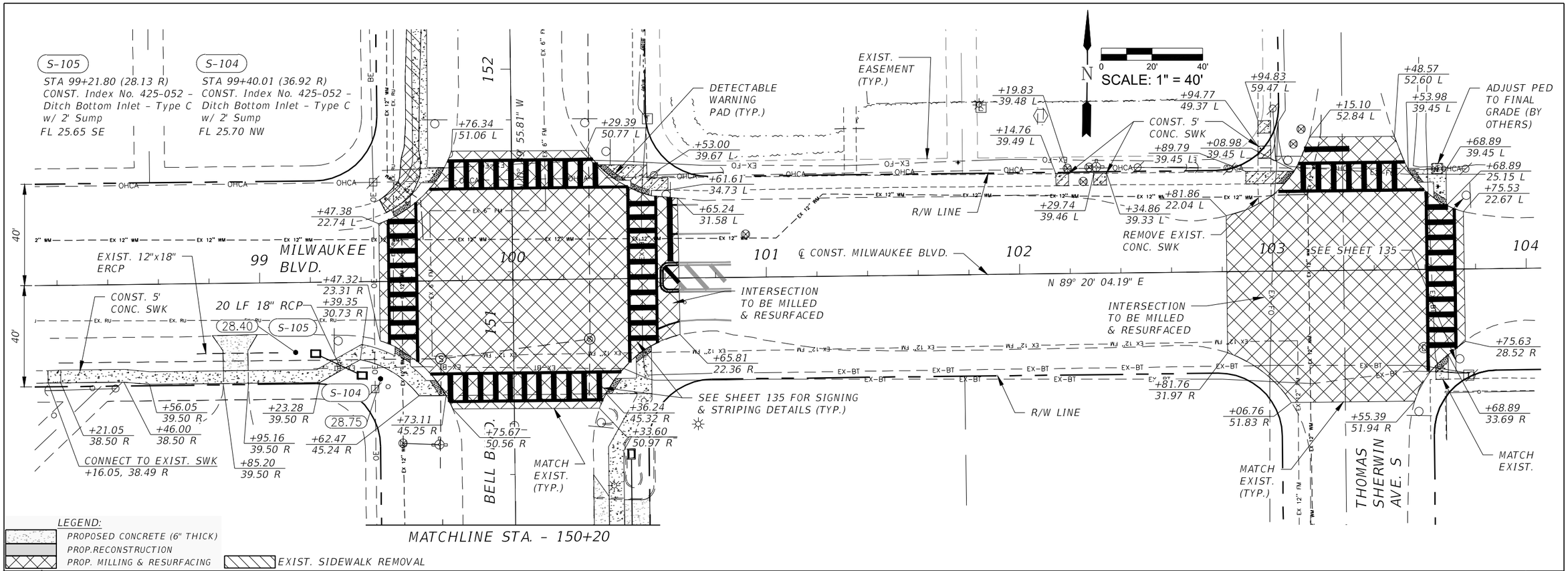
R. DANIEL FLYNN, P.E. NO. 76205

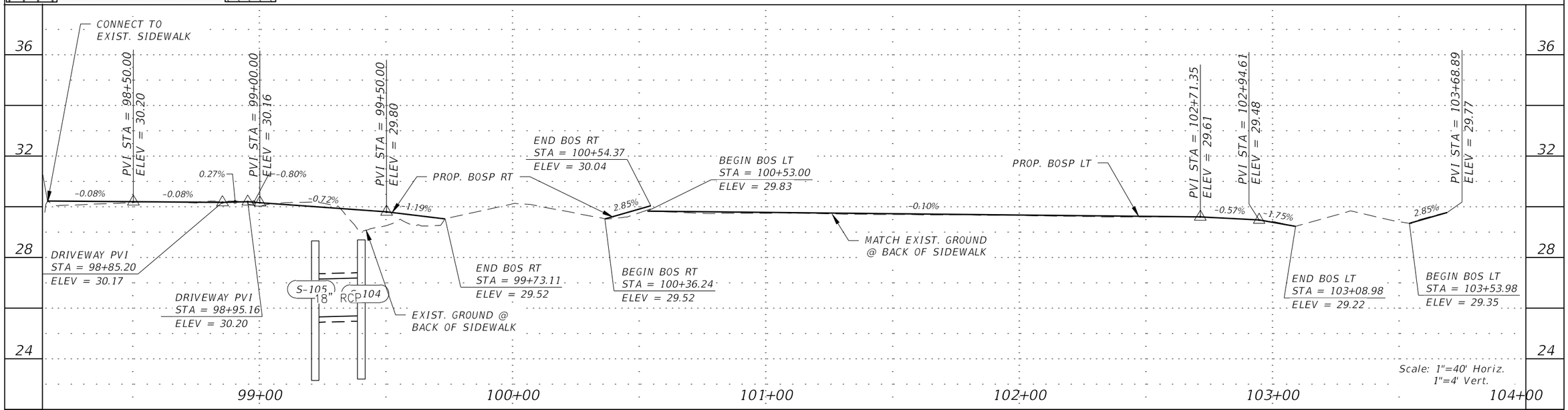
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE STA. 248+50 TO STA. 254+00

SHEET NO. 70





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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

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3800 Via Del Rey
Bonita Springs, Florida 34134
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205

LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

ROADWAY PLAN & PROFILE MILWAUKEE BLVD. STA. 98+20 TO STA. 104+00

SHEET NO. 7.1

LEE COUNTY
DEPARTMENT OF TRANSPORTATION
BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

DATE OF SURVEY : APRIL 6-8, 2022
SURVEY MADE BY : UNIVERSAL ENGINEERING SCIENCES
SUBMITTED BY : ADAM DORNACKER, P.E.

ROAD : BELL BOULEVARD

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS: State Road 82 SURVEY ENDS: SUNRISE BOULEVARD

	ORGANIC CONTENT			SIEVE ANALYSIS RESULTS % PASS						ATTERBERG LIMITS (%)					CORROSION SERIES TEST RESULTS				
STRATUM NO.	NO. OF TESTS	% ORGANIC.	% MOISTURE CONTENT	NO. OF TESTS	4 MESH	10 MESH	40 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	DESCRIPTION DESCRIPTION	NO. OF TESTS	RESISTIVITY ohms-cm	CHLORIDE mg/L	SULFATES mg/L	pH
1	-	-	-	-	-	-	-	-	-	-	-	-	A-3	Gray to Light Gray, Dark Brown to Light Brown, to Tan SAND (SP),slight silty (SP-SM), slightly clayey (SC) with Traces of Organics, shell, and limestone	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	A-2-6	Gray to Light Gray, Tan Clayey SAND (SC)	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	A-6	Gray, Tan CLAY (CL)	-	-	-	-	-

NOTES:

EMBANKMENT AND SUBGRADE MATERIAL
STRATA BOUNDARIES ARE APPROXIMATE

Ground water was encountered at depths of about 2 to 4 feet at boring locations at the time of our drilling.

The material from Stratum Number 1 appears satisfactory for use in the embankment when utilized in accordance with Index 505, except where organics were encountered.

It has been the experience of the Department, with projects constructed within this general geographic area, that rock may be encountered. Therefor the contractor should consider the increased cost of all underground work activities while preparing the bid.

All costs of rock excavation shall be included in the appropiate items of work contained within the contract. No extra compensation of time extension will be allowed for additional work directly associed with the splitting, excavation, excavation, crushing, disposal, replacement, of displaced volume of extracted rock with fill material or special handling of rock

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

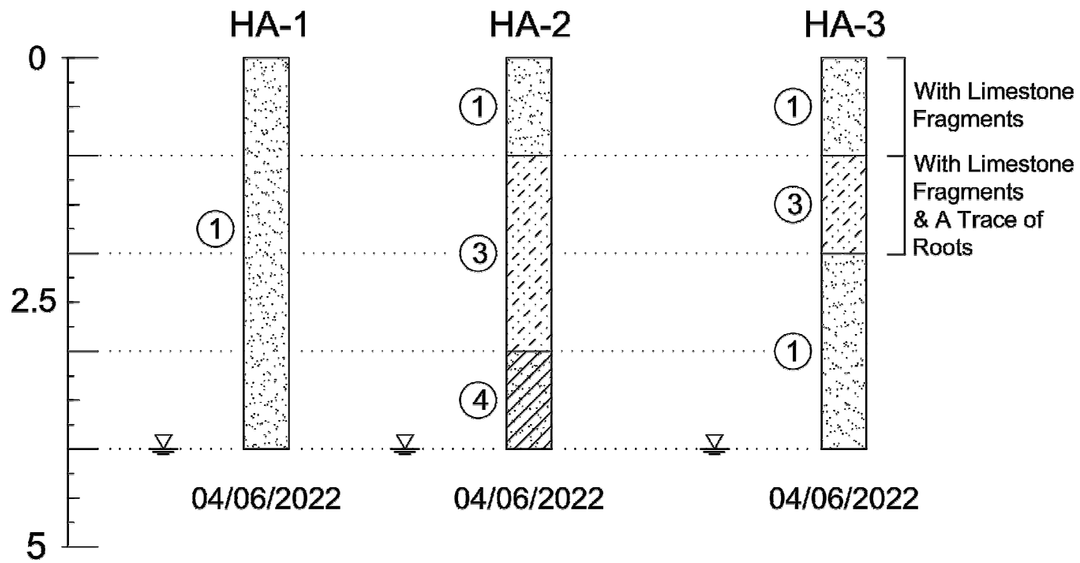
Adam J. Dornacker, P.E. #85319

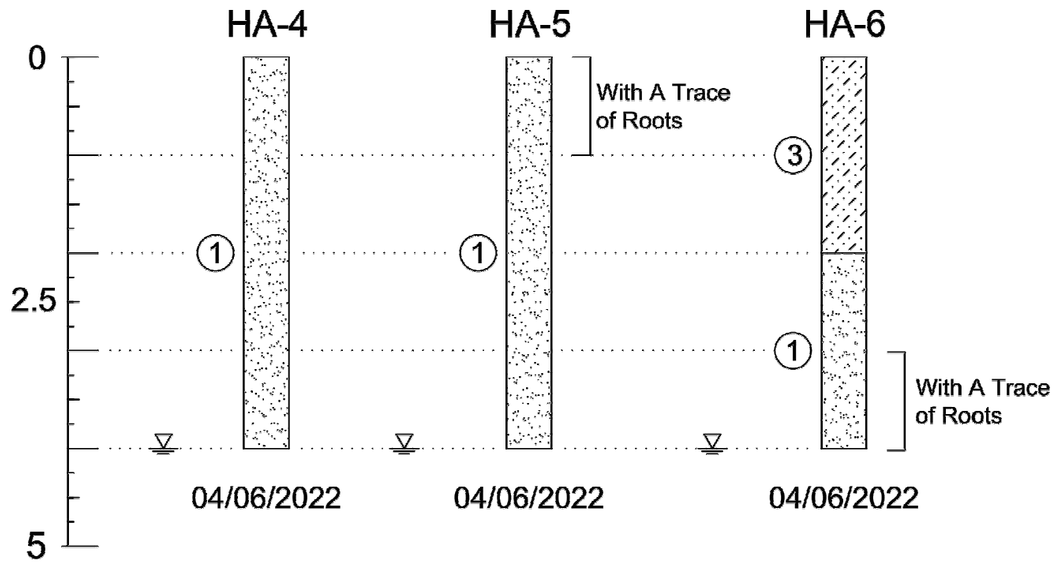
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

ROADWAY SOIL SURVEY
BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

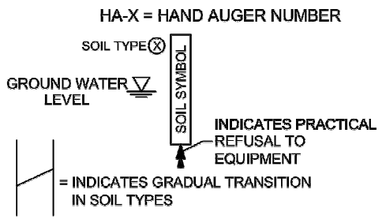
SHEET NO. 72

SOIL PROFILES





SOIL PROFILE LEGEND



SOIL LEGEND

1. Brown to Dark Brown, Black, Dark Gray to Light Gray, Orange, Tan, Yellow SAND (SP)
2. Gray Slightly Silty SAND (SP-SM)
3. Brown to Light Brown, Dark Gray to Light Gray, Tan Slightly Clayey SAND (SP-SC)
4. Gray to Light Gray, Tan Clayey SAND (SC)
5. Gray, Tan CLAY (CL)

SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY
16% TO 25%	SILTY OR CLAYEY
26% TO 49%	VERY SILTY OR VERY CLAYEY

APPROXIMATE SHELL CONTENT	MODIFIERS
6% TO 12%	SLIGHTLY SHELLY
13% TO 30%	SHELLY
31% TO 50%	VERY SHELLY

APPROXIMATE ORGANIC CONTENT	MODIFIERS
2.5% TO 5%	WITH A TRACE
5% TO 20%	WITH ORGANICS
20% TO 75%	HIGHLY ORGANIC
75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

Universal Engineering Sciences
201 Waldo Ave. N.
Lehigh Acres, Florida 33971
239-489-2443
www.universalengineering.com

Client: Grady Minor
Project No: 0530.2100395.0000
Project:
Bell Blvd Sidewalk
Alexander Graham Bell Blvd
from SR 82 to Sunrise Blvd,
Lehigh Acres, Lee County, FL

Date: 04/19/2022
Field Rep.: GW, DB
Drawn By: GB
Approved by: AJD

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

Adam J. Dornacker, P.E. #85319

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

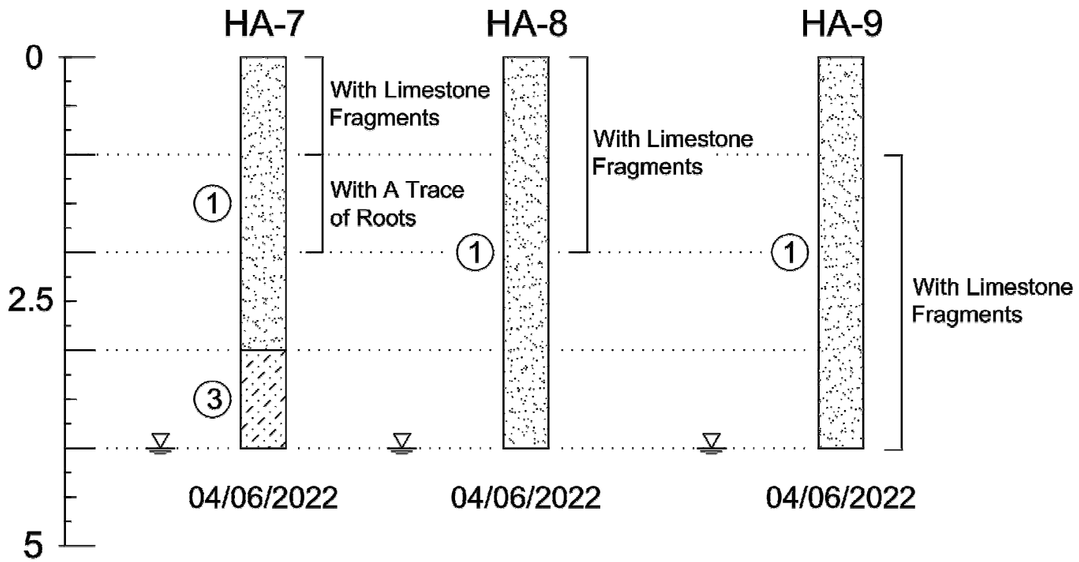
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

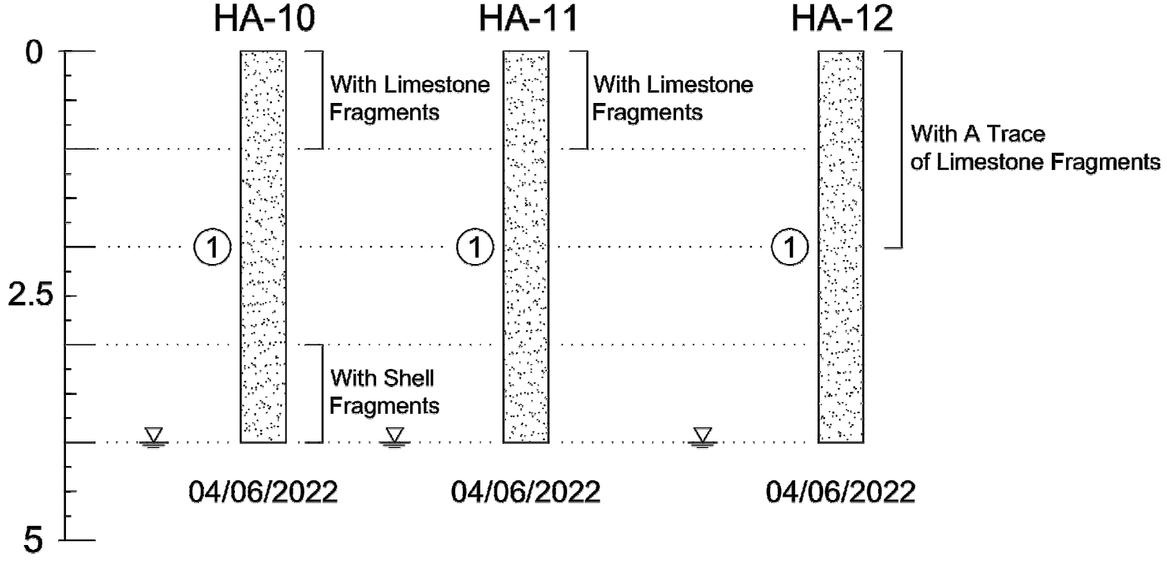
ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

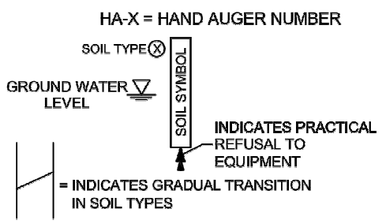
SHEET NO.
73

SOIL PROFILES





SOIL PROFILE LEGEND



SOIL LEGEND

1. Brown to Dark Brown, Black, Dark Gray to Light Gray, Orange, Tan, Yellow SAND (SP)
2. Gray Slightly Silty SAND (SP-SM)
3. Brown to Light Brown, Dark Gray to Light Gray, Tan Slightly Clayey SAND (SP-SC)
4. Gray to Light Gray, Tan Clayey SAND (SC)
5. Gray, Tan CLAY (CL)

SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS	APPROXIMATE SHELL CONTENT	MODIFIERS	APPROXIMATE ORGANIC CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY	6% TO 12%	SLIGHTLY SHELLY	2.5% TO 5%	WITH A TRACE
16% TO 25%	SILTY OR CLAYEY	13% TO 30%	SHELLY	5% TO 20%	WITH ORGANICS
26% TO 49%	VERY SILTY OR VERY CLAYEY	31% TO 50%	VERY SHELLY	20% TO 75%	HIGHLY ORGANIC
				75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

Universal Engineering Sciences
201 Waldo Ave. N.
Lehigh Acres, Florida 33971
239-489-2443
www.universalengineering.com

Client: Grady Minor
Project No: 0530.2100395.0000
Project:
Bell Blvd Sidewalk
Alexander Graham Bell Blvd
from SR 82 to Sunrise Blvd,
Lehigh Acres, Lee County, FL

Date: 04/19/2022
Field Rep.: GW, DB
Drawn By: GB
Approved by: AJD

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

Adam J. Dornacker, P.E. #85319

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

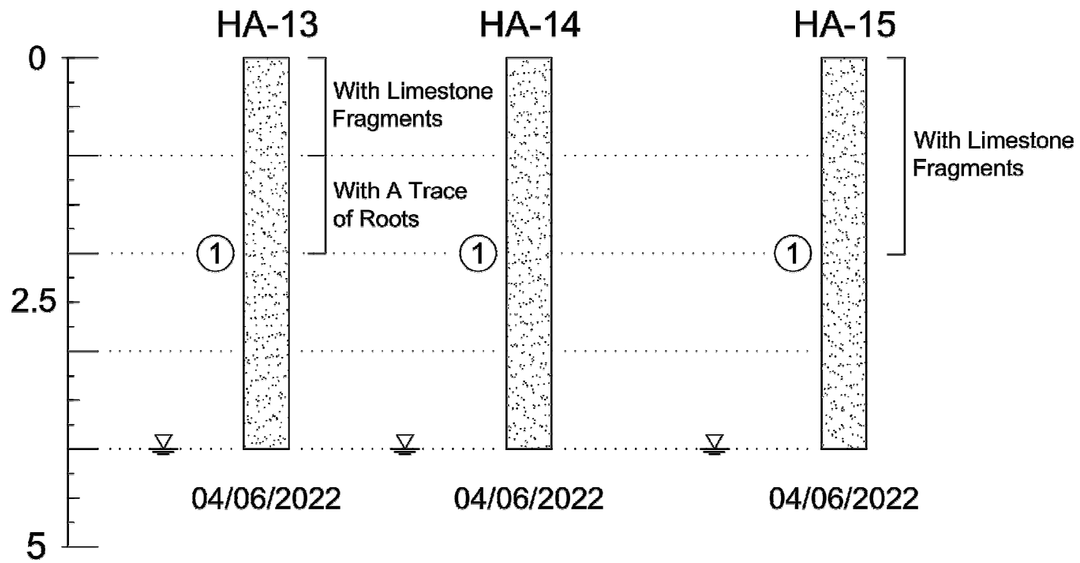
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

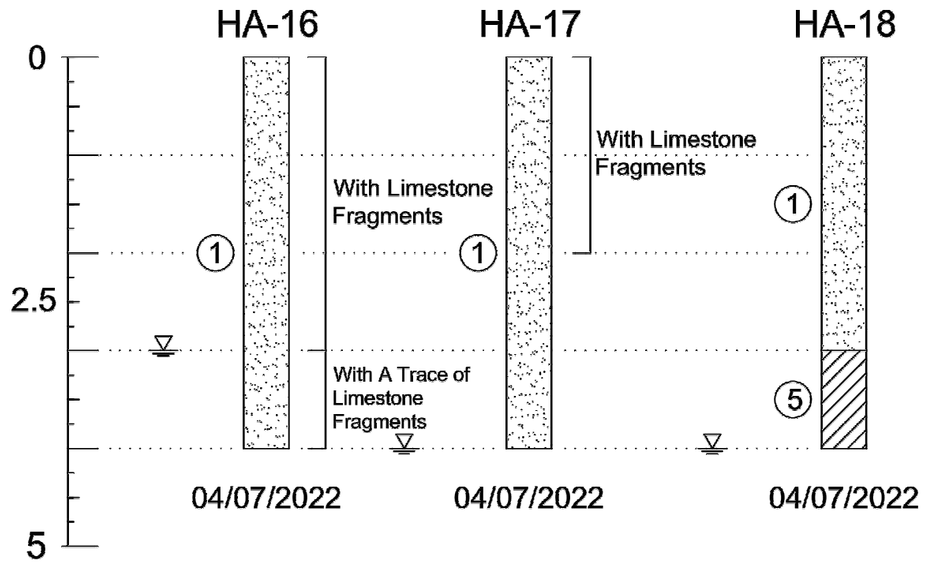
ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

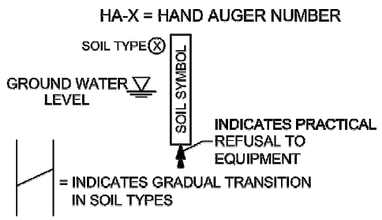
SHEET NO.
74

SOIL PROFILES

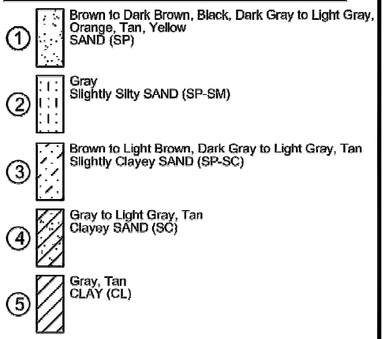




SOIL PROFILE LEGEND



SOIL LEGEND



SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS	APPROXIMATE SHELL CONTENT	MODIFIERS	APPROXIMATE ORGANIC CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY	6% TO 12%	SLIGHTLY SHELLY	2.5% TO 5%	WITH A TRACE
16% TO 25%	SILTY OR CLAYEY	13% TO 30%	SHELLY	5% TO 20%	WITH ORGANICS
26% TO 49%	VERY SILTY OR VERY CLAYEY	31% TO 50%	VERY SHELLY	20% TO 75%	HIGHLY ORGANIC
				75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

Universal Engineering Sciences
201 Waldo Ave. N.
Lehigh Acres, Florida 33971
239-489-2443
www.universalengineering.com

Client: Grady Minor
Project No: 0530.2100395.0000
Project:
Bell Blvd Sidewalk
Alexander Graham Bell Blvd
from SR 82 to Sunrise Blvd,
Lehigh Acres, Lee County, FL

Date: 04/19/2022
Field Rep.: GW, DB
Drawn By: GB
Approved by: AJD

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

Adam J. Dornacker, P.E. #85319

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

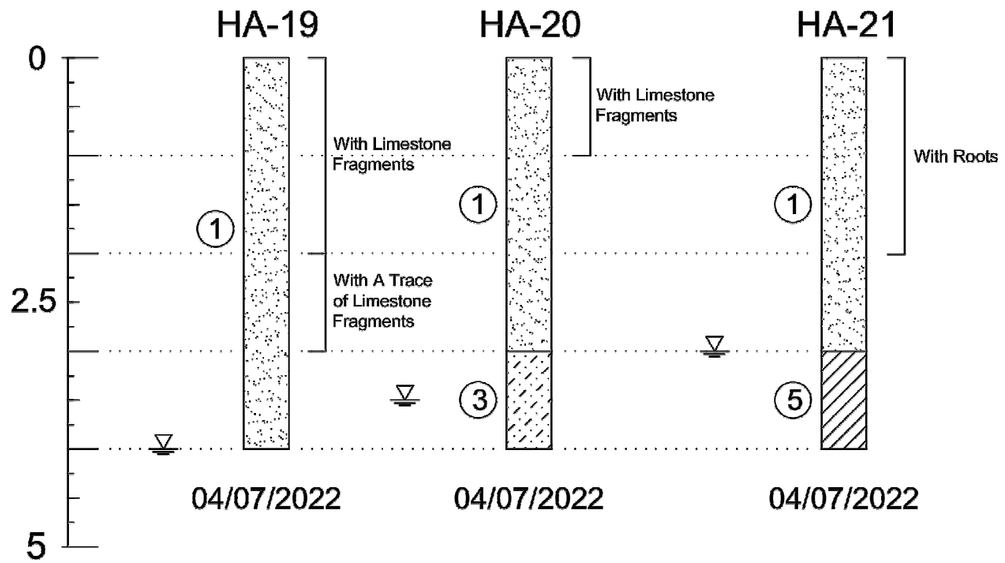
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

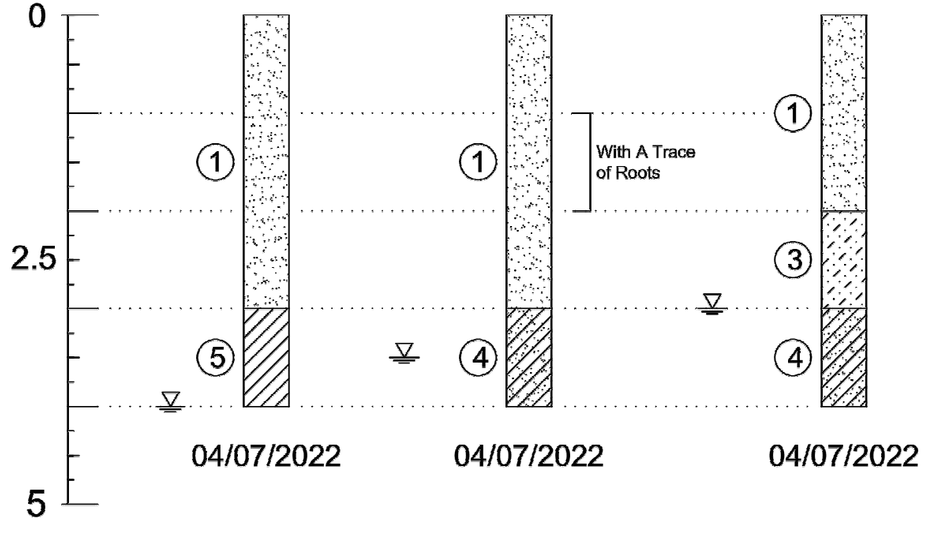
ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

SHEET NO.
75

SOIL PROFILES





SOIL PROFILE LEGEND

HA-X = HAND AUGER NUMBER

SOIL TYPE Ⓧ

SOIL SYMBOL

GROUND WATER LEVEL ▽

INDICATES PRACTICAL REFUSAL TO EQUIPMENT

= INDICATES GRADUAL TRANSITION IN SOIL TYPES

SOIL LEGEND

1. Brown to Dark Brown, Black, Dark Gray to Light Gray, Orange, Tan, Yellow SAND (SP)
2. Gray Slightly Silty SAND (SP-SM)
3. Brown to Light Brown, Dark Gray to Light Gray, Tan Slightly Clayey SAND (SP-SC)
4. Gray to Light Gray, Tan Clayey SAND (SC)
5. Gray, Tan CLAY (CL)

SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS	APPROXIMATE SHELL CONTENT	MODIFIERS	APPROXIMATE ORGANIC CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY	6% TO 12%	SLIGHTLY SHELLY	2.5% TO 5%	WITH A TRACE
16% TO 25%	SILTY OR CLAYEY	13% TO 30%	SHELLY	5% TO 20%	WITH ORGANICS
26% TO 49%	VERY SILTY OR VERY CLAYEY	31% TO 50%	VERY SHELLY	20% TO 75%	HIGHLY ORGANIC
				75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

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from SR 82 to Sunrise Blvd,
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

Adam J. Dornacker, P.E. #85319

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

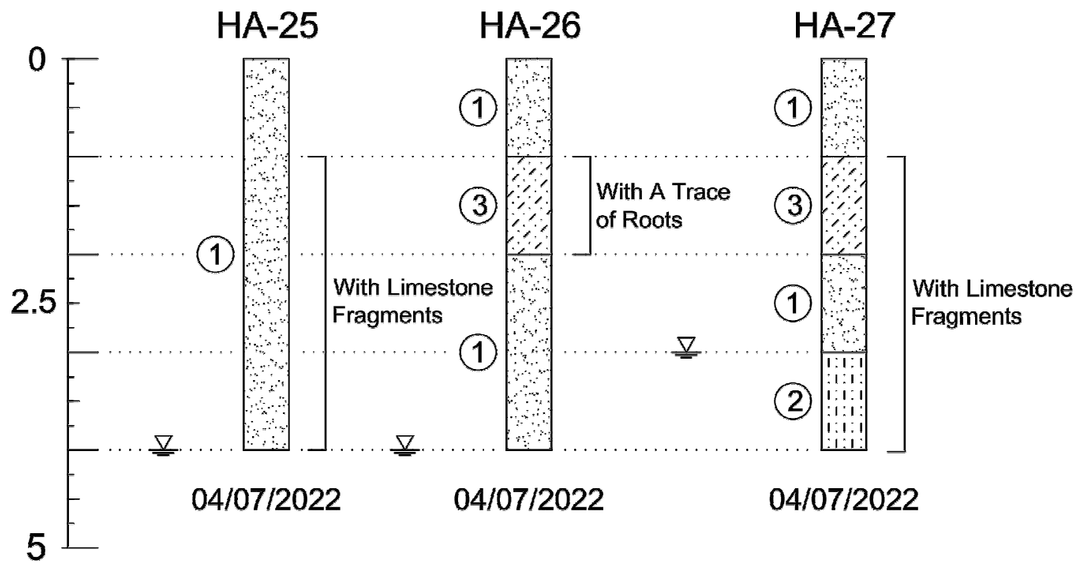
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

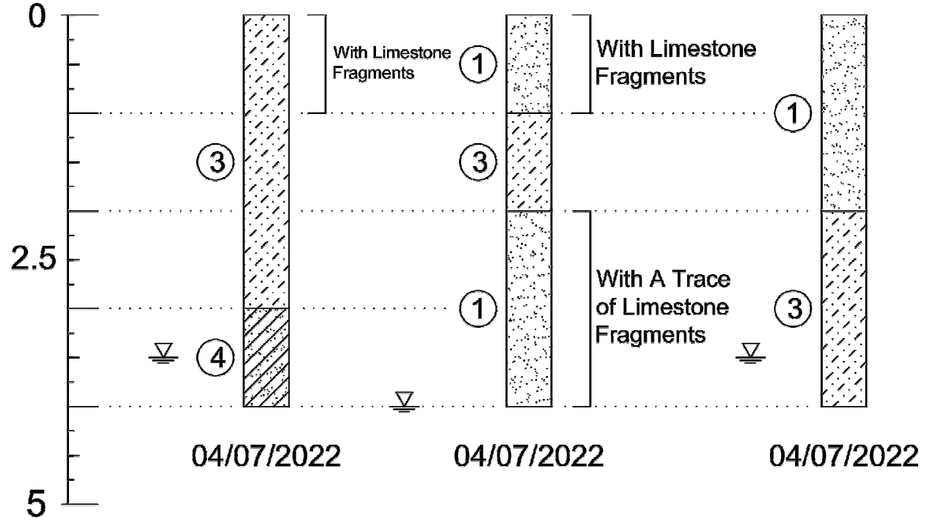
ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

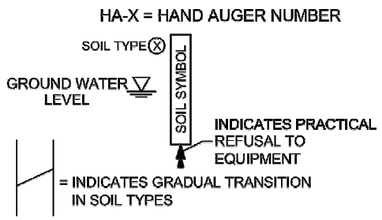
SHEET NO. 76

SOIL PROFILES

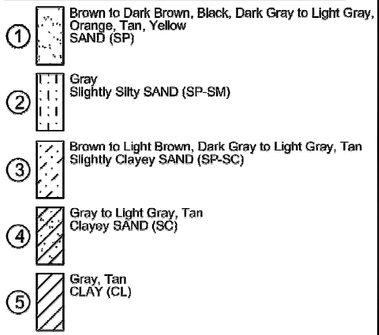




SOIL PROFILE LEGEND



SOIL LEGEND



SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS	APPROXIMATE SHELL CONTENT	MODIFIERS	APPROXIMATE ORGANIC CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY	6% TO 12%	SLIGHTLY SHELLY	2.5% TO 5%	WITH A TRACE
16% TO 25%	SILTY OR CLAYEY	13% TO 30%	SHELLY	5% TO 20%	WITH ORGANICS
26% TO 49%	VERY SILTY OR VERY CLAYEY	31% TO 50%	VERY SHELLY	20% TO 75%	HIGHLY ORGANIC
				75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

Universal Engineering Sciences
201 Waldo Ave. N.
Lehigh Acres, Florida 33971
239-489-2443
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Client: Grady Minor
Project No: 0530.2100395.0000
Project:
Bell Blvd Sidewalk
Alexander Graham Bell Blvd
from SR 82 to Sunrise Blvd,
Lehigh Acres, Lee County, FL

Date: 04/21/2022
Field Rep.: GW, DB
Drawn By: GB
Approved by: AJD

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

Adam J. Dornacker, P.E. #85319

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

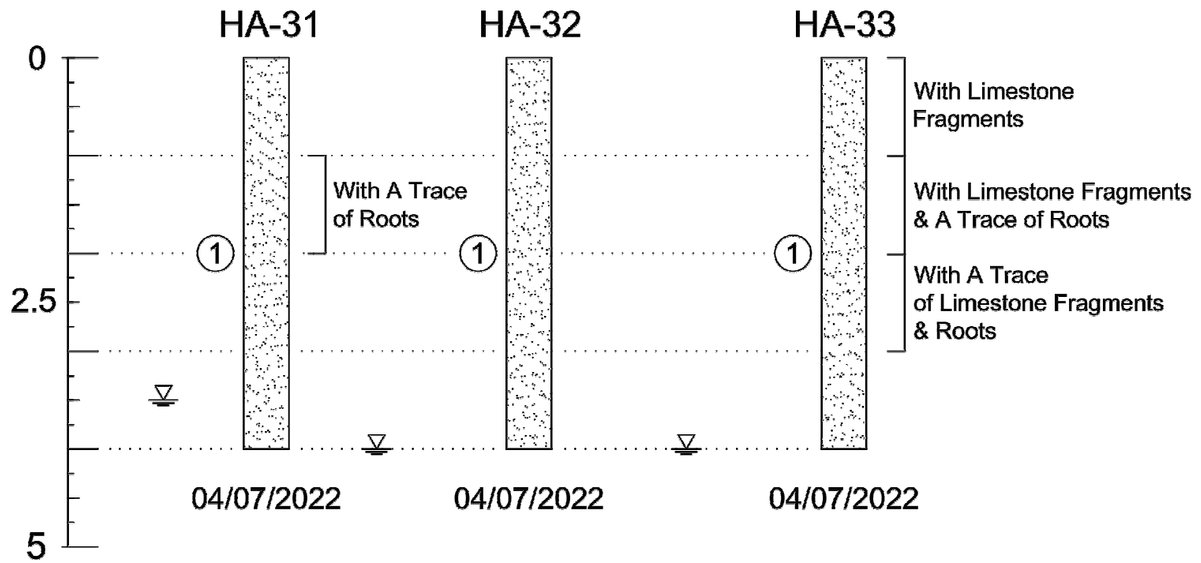
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

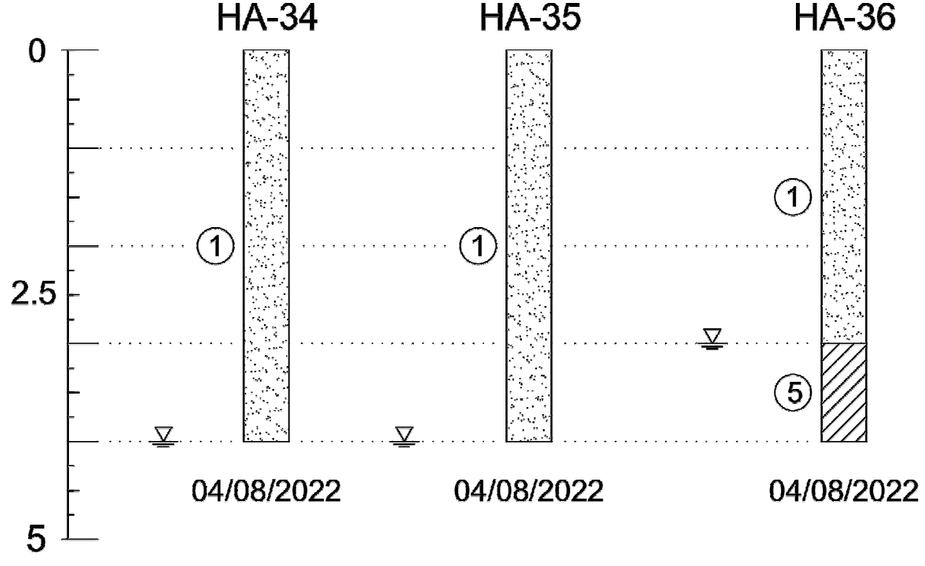
ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

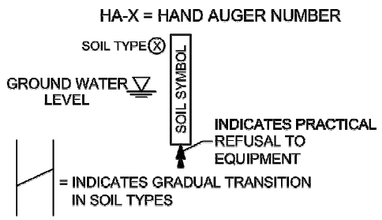
SHEET NO.
77

SOIL PROFILES

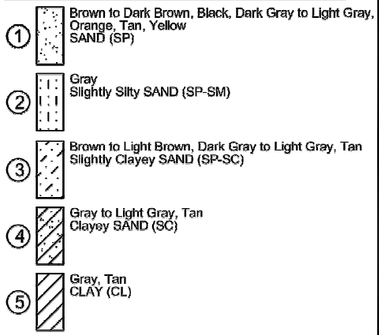




SOIL PROFILE LEGEND



SOIL LEGEND



SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS	APPROXIMATE SHELL CONTENT	MODIFIERS	APPROXIMATE ORGANIC CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY	6% TO 12%	SLIGHTLY SHELLY	2.5% TO 5%	WITH A TRACE
16% TO 25%	SILTY OR CLAYEY	13% TO 30%	SHELLY	5% TO 20%	WITH ORGANICS
26% TO 49%	VERY SILTY OR VERY CLAYEY	31% TO 50%	VERY SHELLY	20% TO 75%	HIGHLY ORGANIC
				75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

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RECORD OF TEST BORINGS

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UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971
Adam J. Dornacker, P.E. #85319

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

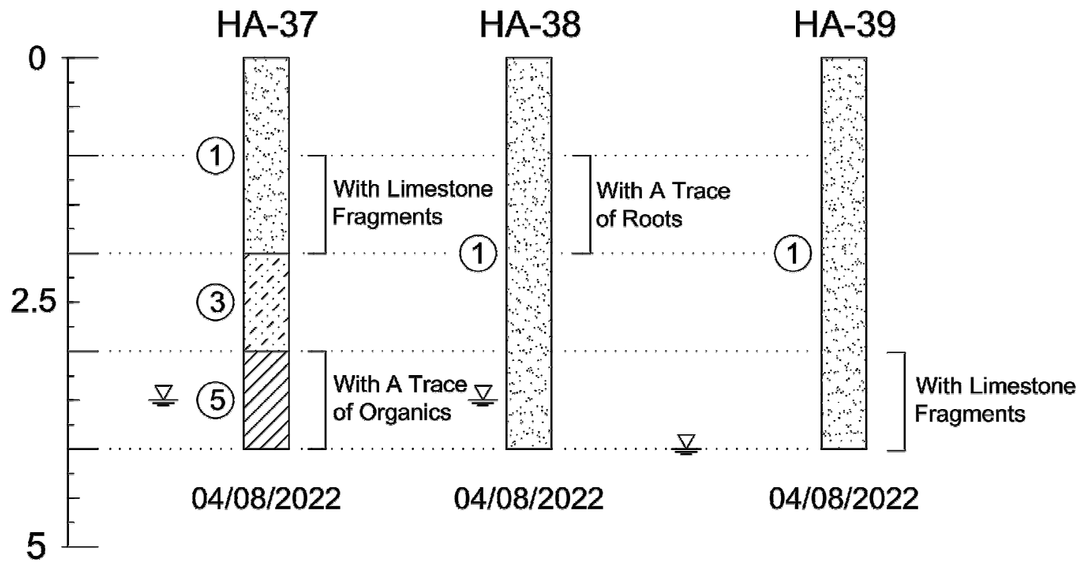
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

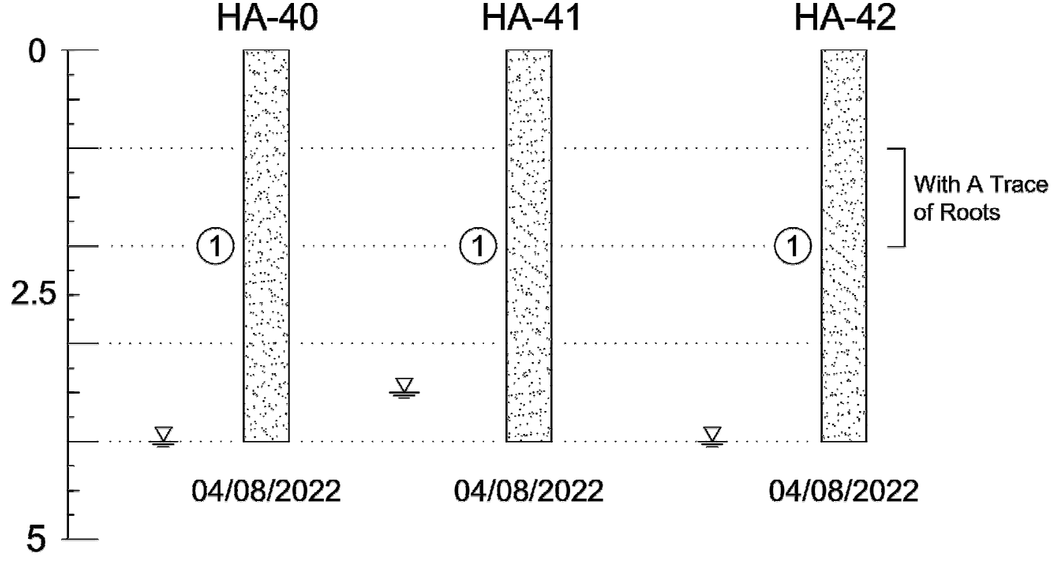
ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

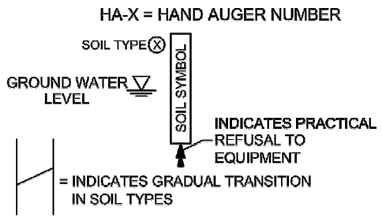
SHEET NO.
78

SOIL PROFILES

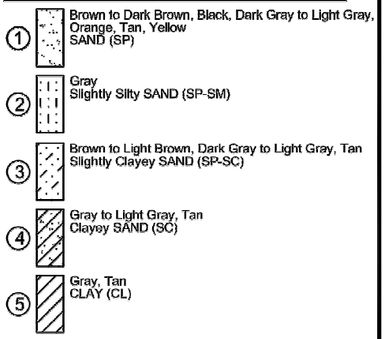




SOIL PROFILE LEGEND



SOIL LEGEND



SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS	APPROXIMATE SHELL CONTENT	MODIFIERS	APPROXIMATE ORGANIC CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY	6% TO 12%	SLIGHTLY SHELLY	2.5% TO 5%	WITH A TRACE
16% TO 25%	SILTY OR CLAYEY	13% TO 30%	SHELLY	5% TO 20%	WITH ORGANICS
26% TO 49%	VERY SILTY OR VERY CLAYEY	31% TO 50%	VERY SHELLY	20% TO 75%	HIGHLY ORGANIC
				75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

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12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

Universal Engineering Sciences
201 Waldo Ave. N.
Lehigh Acres, Florida 33971
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Client: Grady Minor
Project No: 0530.2100395.0000
Project:
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Alexander Graham Bell Blvd
from SR 82 to Sunrise Blvd,
Lehigh Acres, Lee County, FL

Date: 04/21/2022
Field Rep.: GW, DB
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

Adam J. Dornacker, P.E. #85319

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

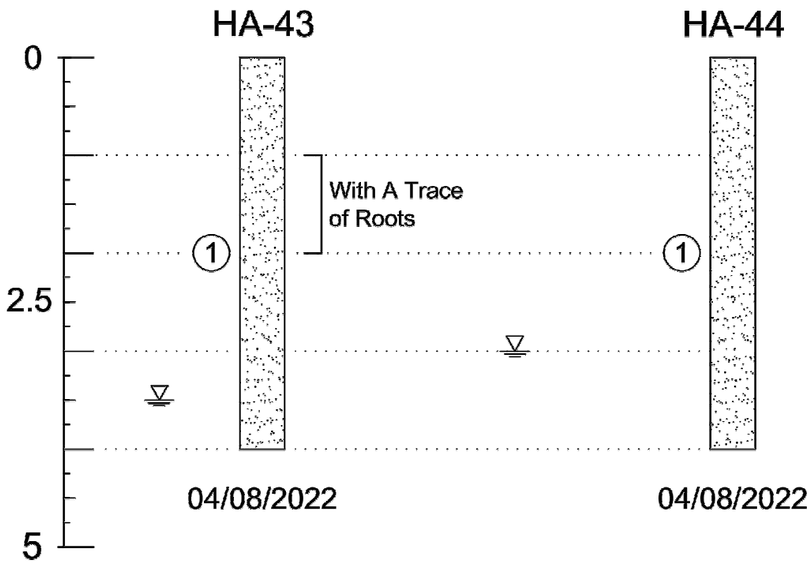
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

SHEET NO.
79

SOIL PROFILES



SOIL PROFILE LEGEND

HA-X = HAND AUGER NUMBER

SOIL TYPE Ⓧ

GROUND WATER LEVEL ▽

SOIL SYMBOL

INDICATES PRACTICAL REFUSAL TO EQUIPMENT

= INDICATES GRADUAL TRANSITION IN SOIL TYPES

SOIL LEGEND

1. Brown to Dark Brown, Black, Dark Gray to Light Gray, Orange, Tan, Yellow SAND (SP)
2. Gray Slightly Silty SAND (SP-SM)
3. Brown to Light Brown, Dark Gray to Light Gray, Tan Slightly Clayey SAND (SP-SC)
4. Gray to Light Gray, Tan Clayey SAND (SC)
5. Gray, Tan CLAY (CL)

SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT	MODIFIERS
5% TO 15%	SLIGHTLY SILTY OR SLIGHTLY CLAYEY
16% TO 25%	SILTY OR CLAYEY
26% TO 49%	VERY SILTY OR VERY CLAYEY

APPROXIMATE SHELL CONTENT	MODIFIERS
6% TO 12%	SLIGHTLY SHELLY
13% TO 30%	SHELLY
31% TO 50%	VERY SHELLY

APPROXIMATE ORGANIC CONTENT	MODIFIERS
2.5% TO 5%	WITH A TRACE
5% TO 20%	WITH ORGANICS
20% TO 75%	HIGHLY ORGANIC
75% TO 100%	PEAT

DEFINITION OF DESCRIPTIVE TERMS OF MODIFIERS FOR SILTS/CLAYS/SHELLS/GRAVELS ARE DESCRIBED AS FOLLOWS:

PERCENTAGE OF MODIFIER MATERIAL	FIRST QUALIFIER	SECOND QUALIFIER
5 - 12	SLIGHTLY + MODIFIER + Y	WITH A LITTLE
12 - 30	MODIFIER + Y	WITH SOME
30 - 50	VERY + MODIFIER + Y	AND

RECORD OF TEST BORINGS

Universal Engineering Sciences
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Alexander Graham Bell Blvd
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Date: 04/21/2022
Field Rep.: GW, DB
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Approved by: AJD

REVISIONS					
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UNIVERSAL ENGINEERING
201 WALDO AVE NORTH
LEHIGH ACRES, FLORIDA 33971

Adam J. Dornacker, P.E. #85319

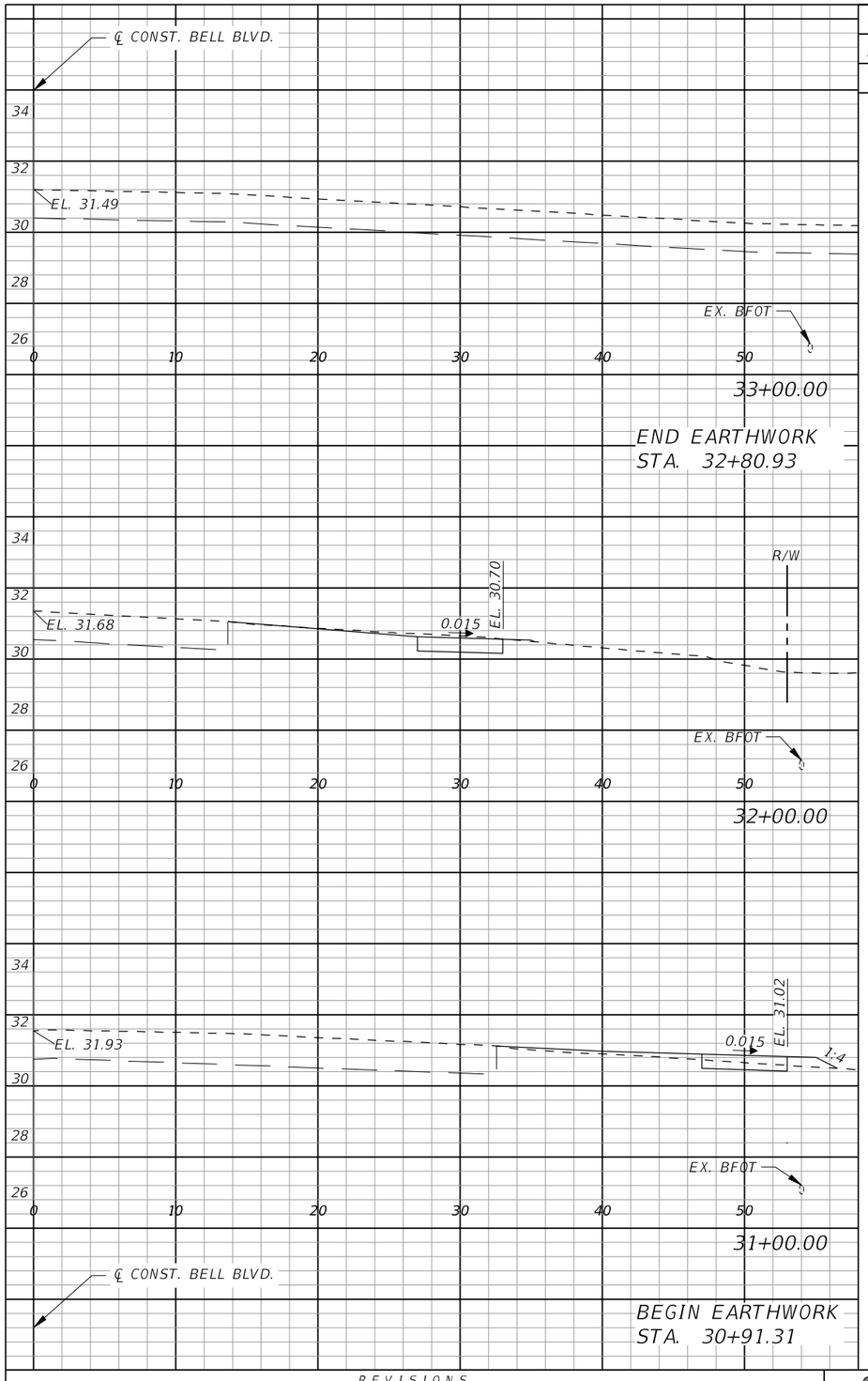
LEE COUNTY
DEPARTMENT OF TRANSPORTATION

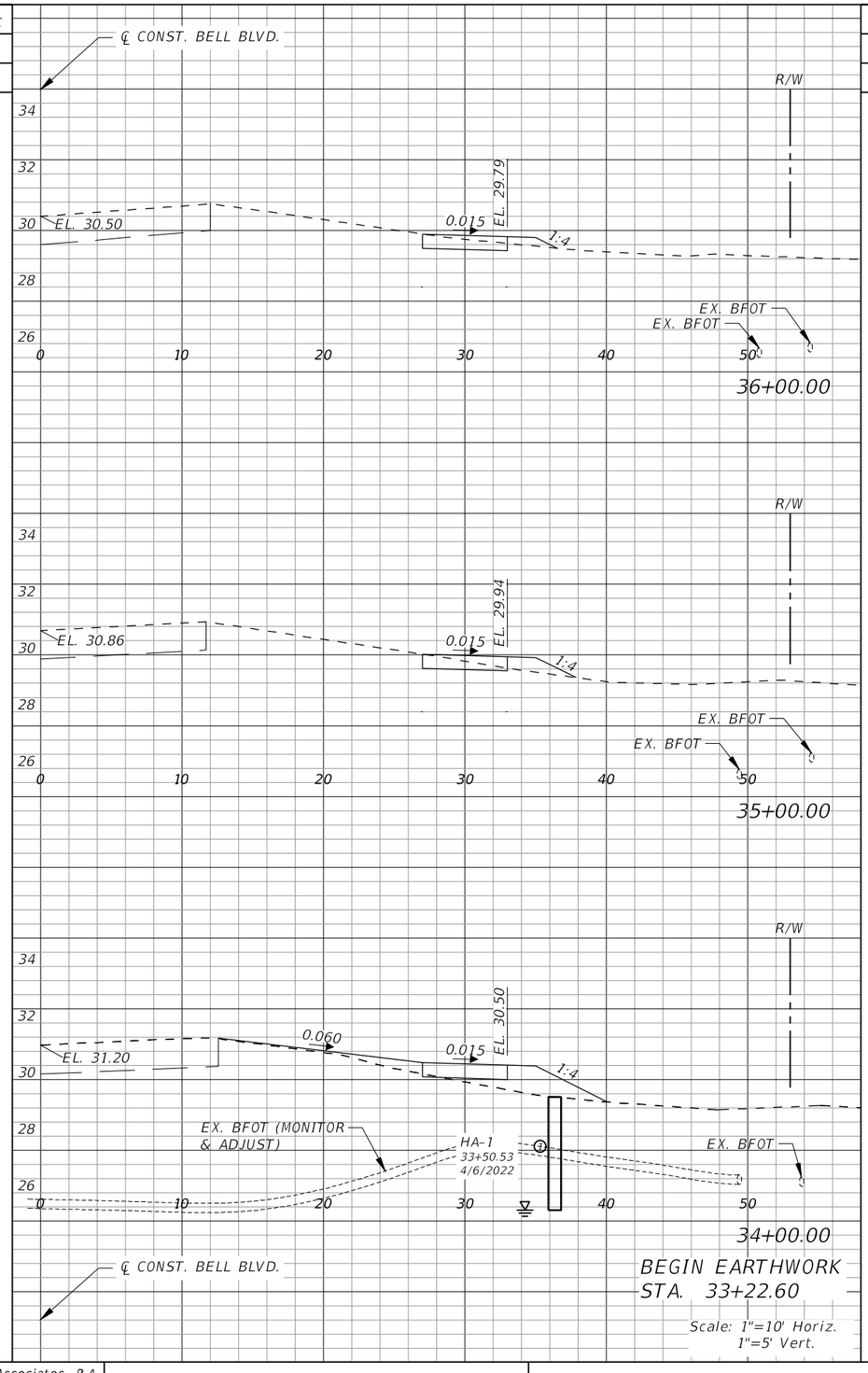
ROAD NAME	COUNTY NAME	PROJECT ID
BELL BOULEVARD	LEE	0530.2100395.0000

ROADWAY SOIL SURVEY

BELL BOULEVARD SIDEWALK ADDITION
LEHIGH ACRES, LEE COUNTY, FLORIDA

SHEET NO. 80





	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
33+00.00 END EARTHWORK STA. 32+80.93	0		0	
		6		2
32+00.00	4		1	
		10		6
31+00.00	1		3	
		0		0
BEGIN EARTHWORK STA. 30+91.31	0		0	

	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
		8		4
36+00.00	2		1	
		7		5
35+00.00	2		2	
		5		17
34+00.00 BEGIN EARTHWORK STA. 33+22.60	1		7	
	0	1	0	10

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005131 Cert. of Auth. LB 0005131 Business LC 26000266

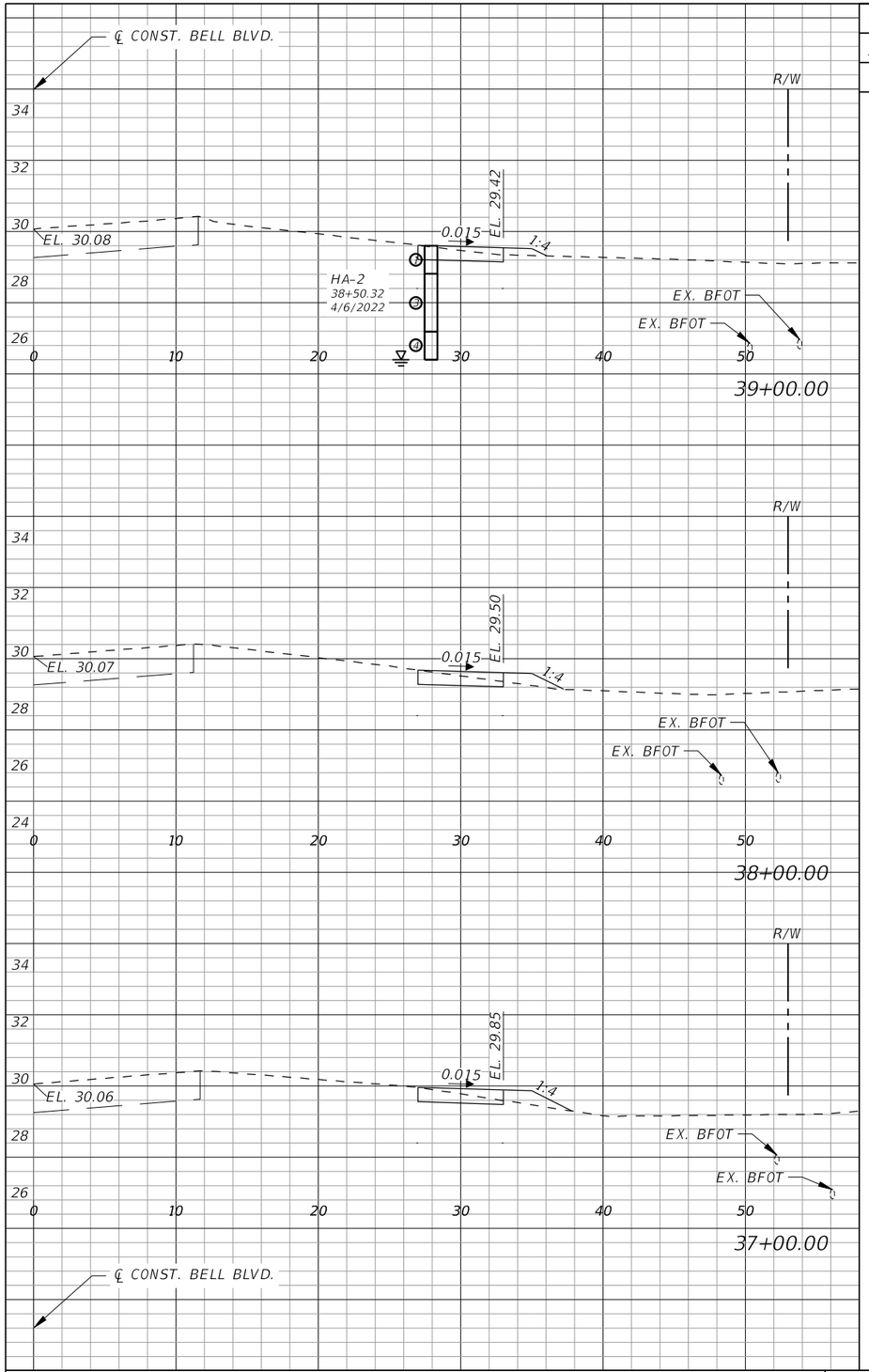
Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205

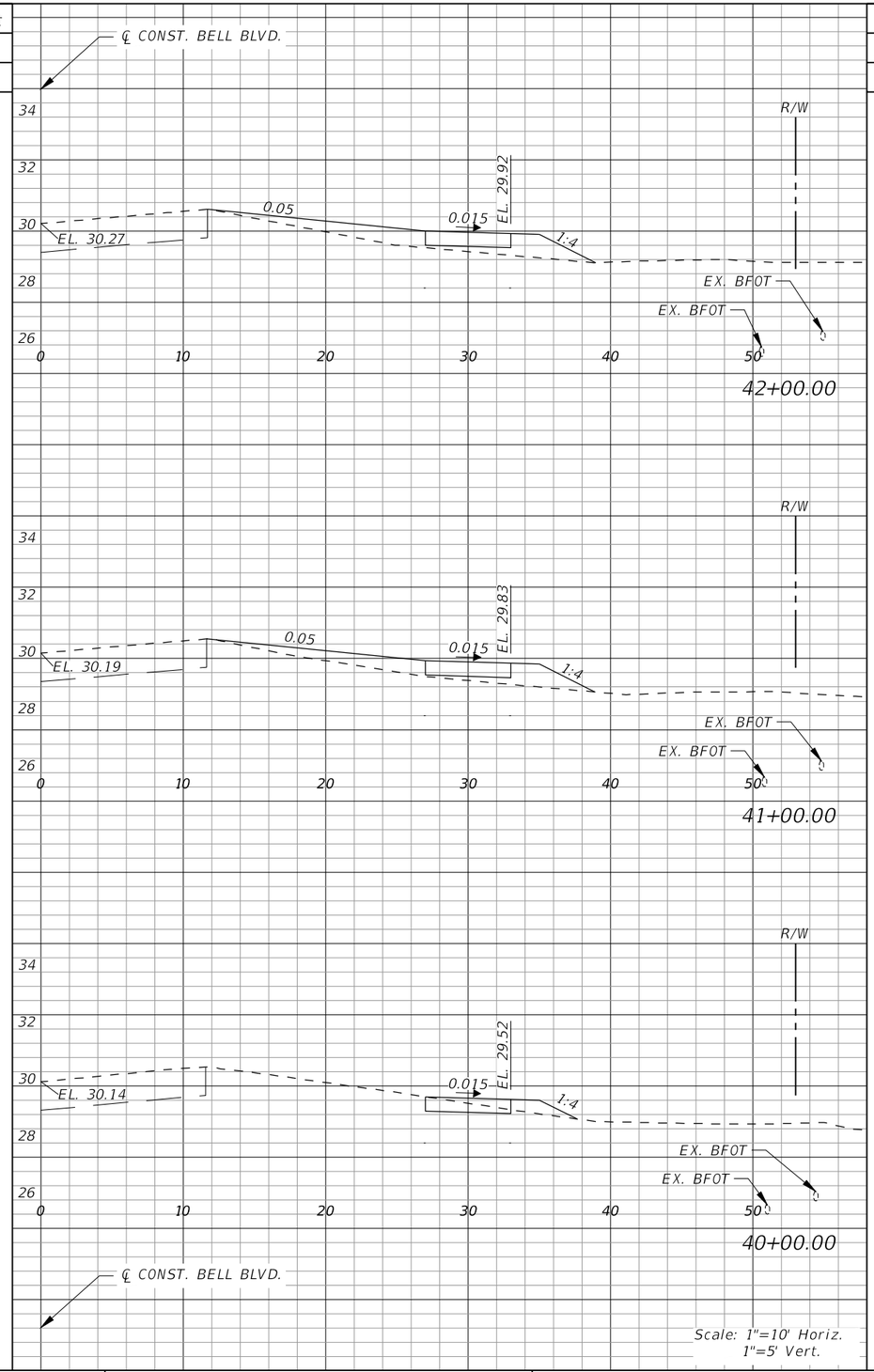
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 81





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		4
	8		3
2		1	
	7		5
2		1	
	2		2

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	0		36
	0		34
0		9	
	0		9
	4		19
2		1	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

GradyMinor
Civil Engineers • Land Surveyors • Planners • Landscape Architects
Cert. of Auth. EB 0005131 Cert. of Auth. LB 0005131 Business LC 26002266

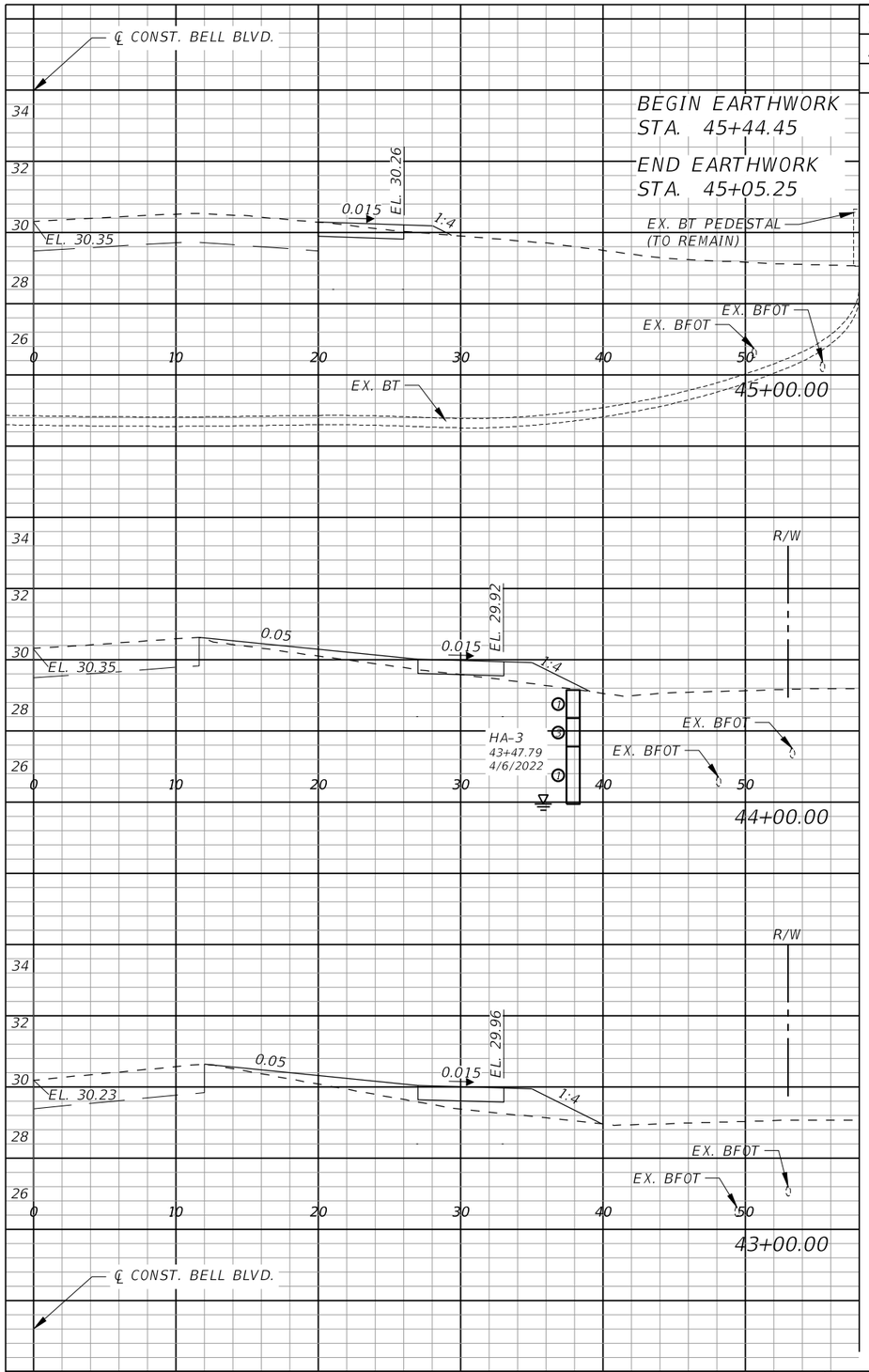
Q. Grady Minor and Associates, P.A.
3800 Via Del Rey
Bonita Springs, Florida 34134
Phone: 239.947.1144
R. DANIEL FLYNN, P.E. NO. 76205

LEE COUNTY

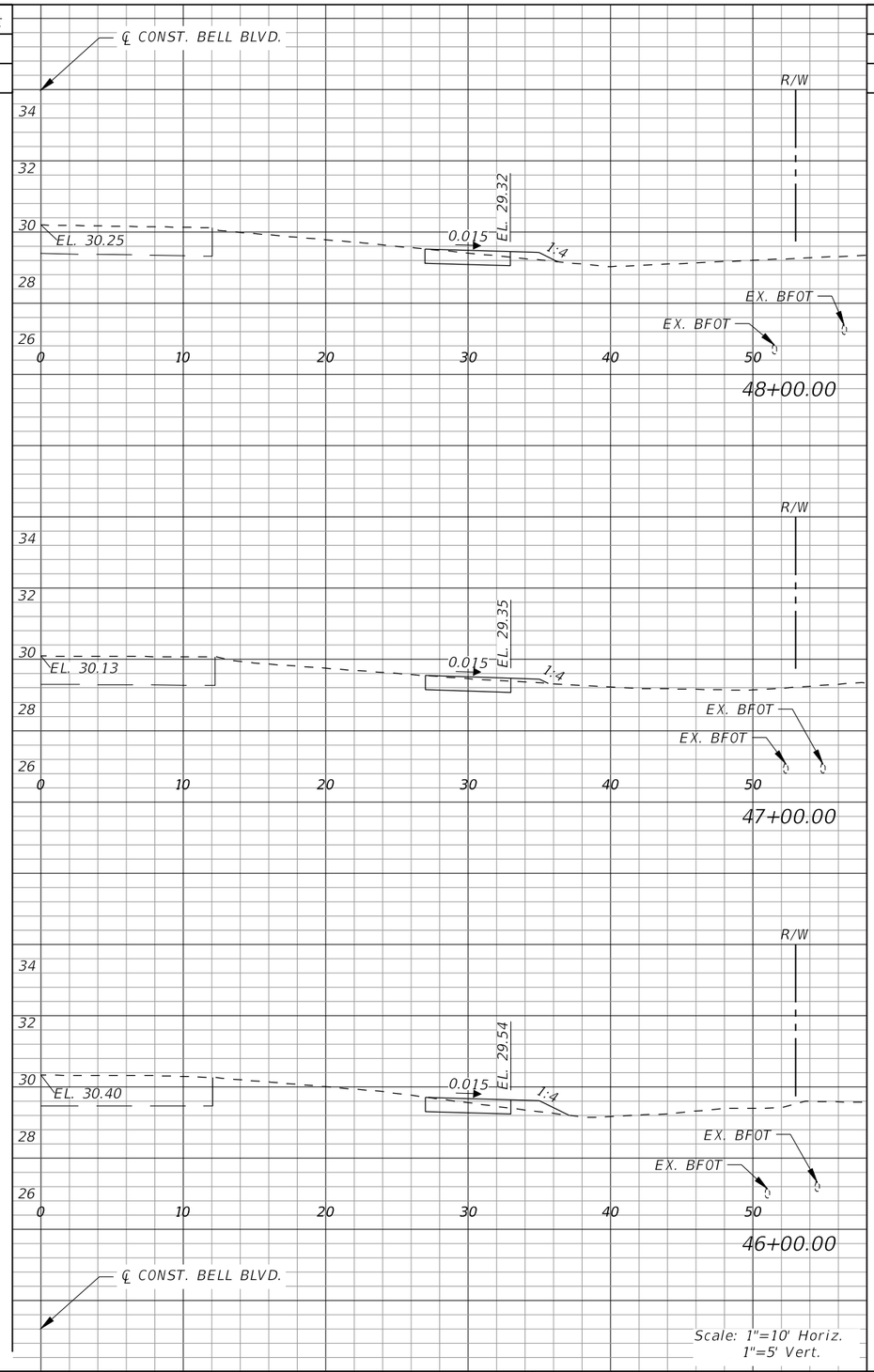
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 82



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
0		0	
	0		0
2		1	
	6		14
1		7	
	2		31
0		10	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	9		2
2		1	
	9		3
3		1	
	9		4
2		1	
	2		1

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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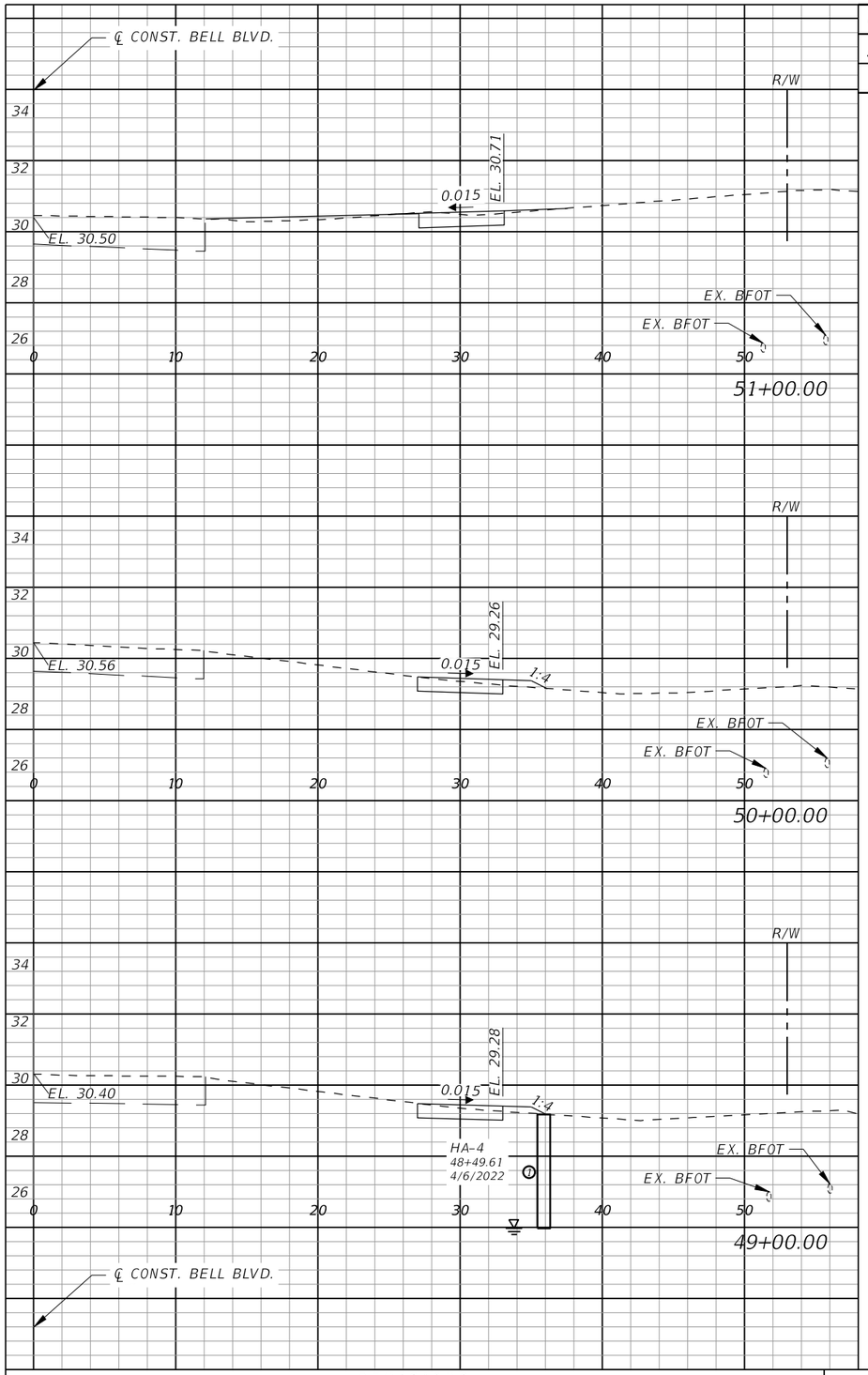
LEE COUNTY

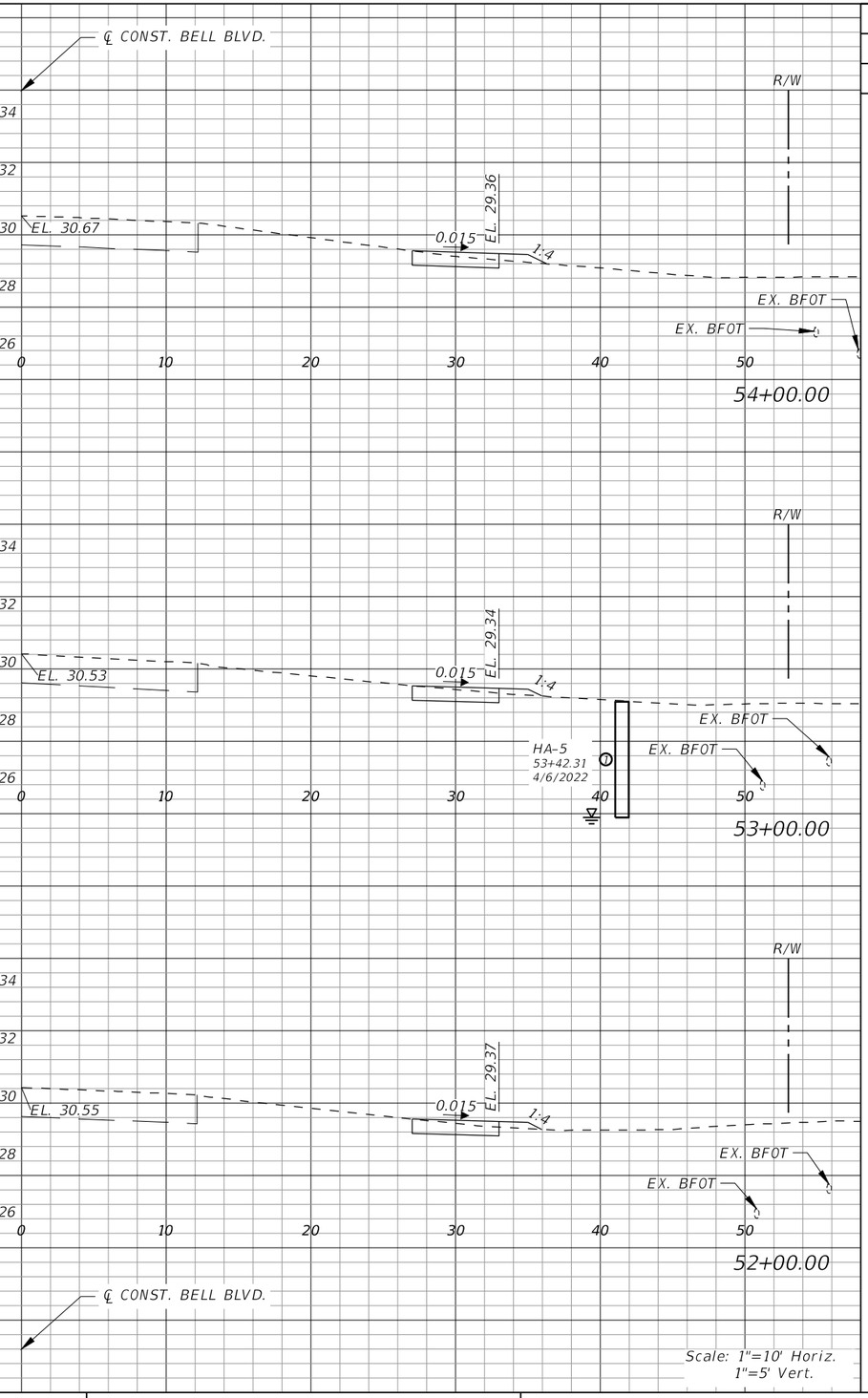
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS
BELL BOULEVARD (RT.)

SHEET NO. 83



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	6		3
1		1	
	9		3
2		1	
	9		2
2		1	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
2	9	1	3
	9		3
	9		3

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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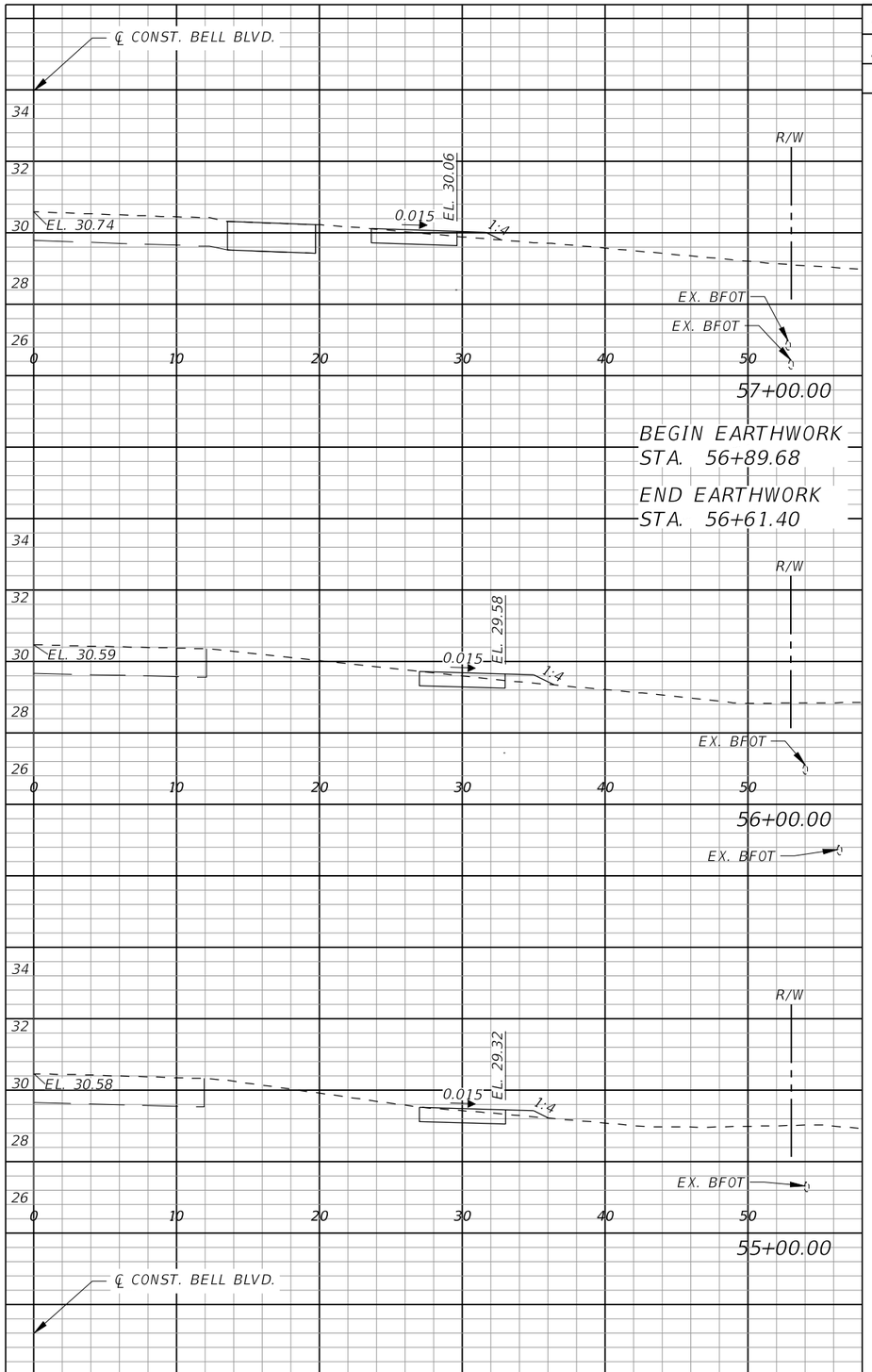
LEE COUNTY

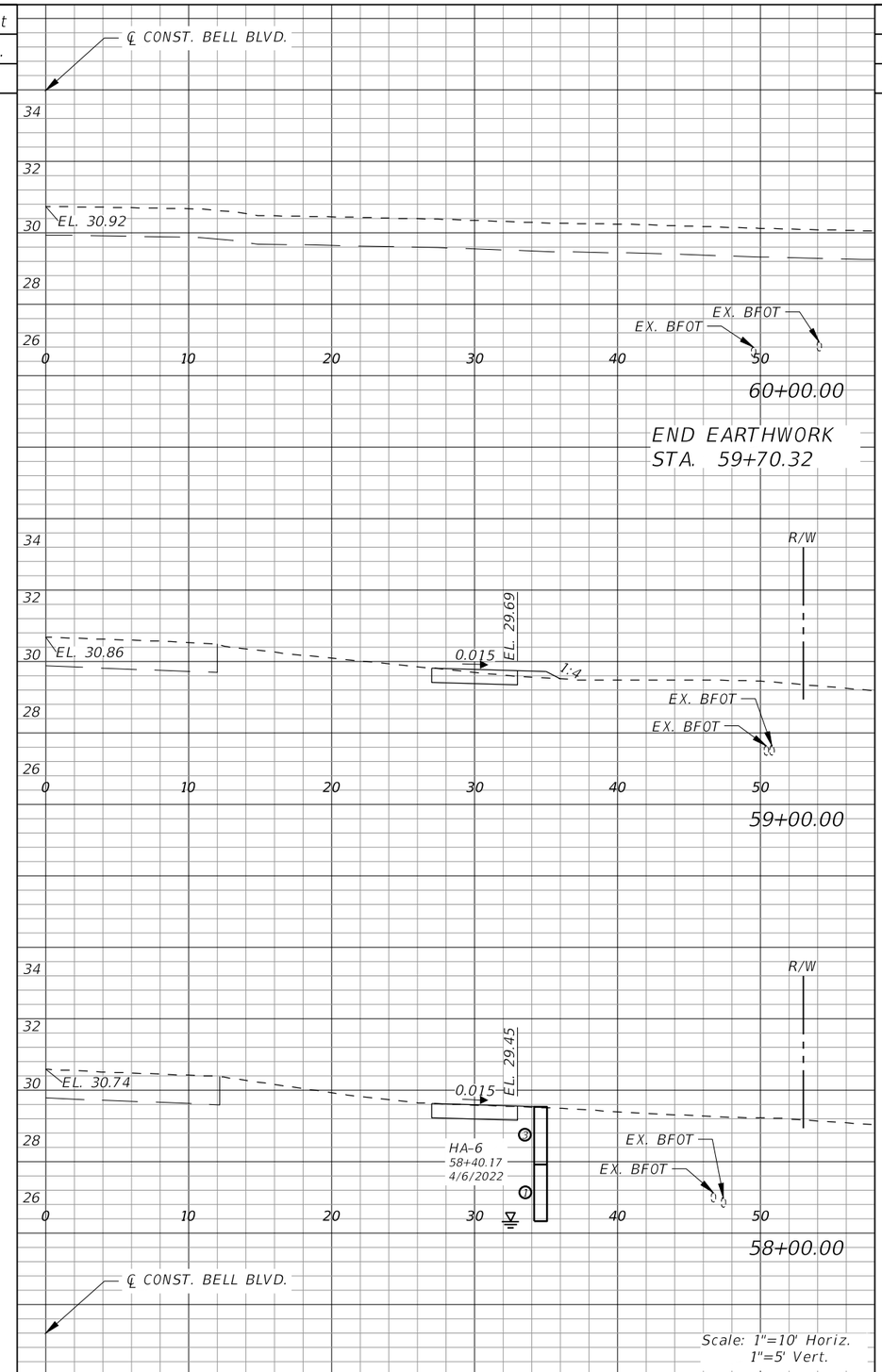
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 84



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	10		3
2		1	
	0		0
0		0	
0		0	
	3		1
2		1	
	9		3
3		1	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	3		1
2		1	
	10		3

REVISIONS			
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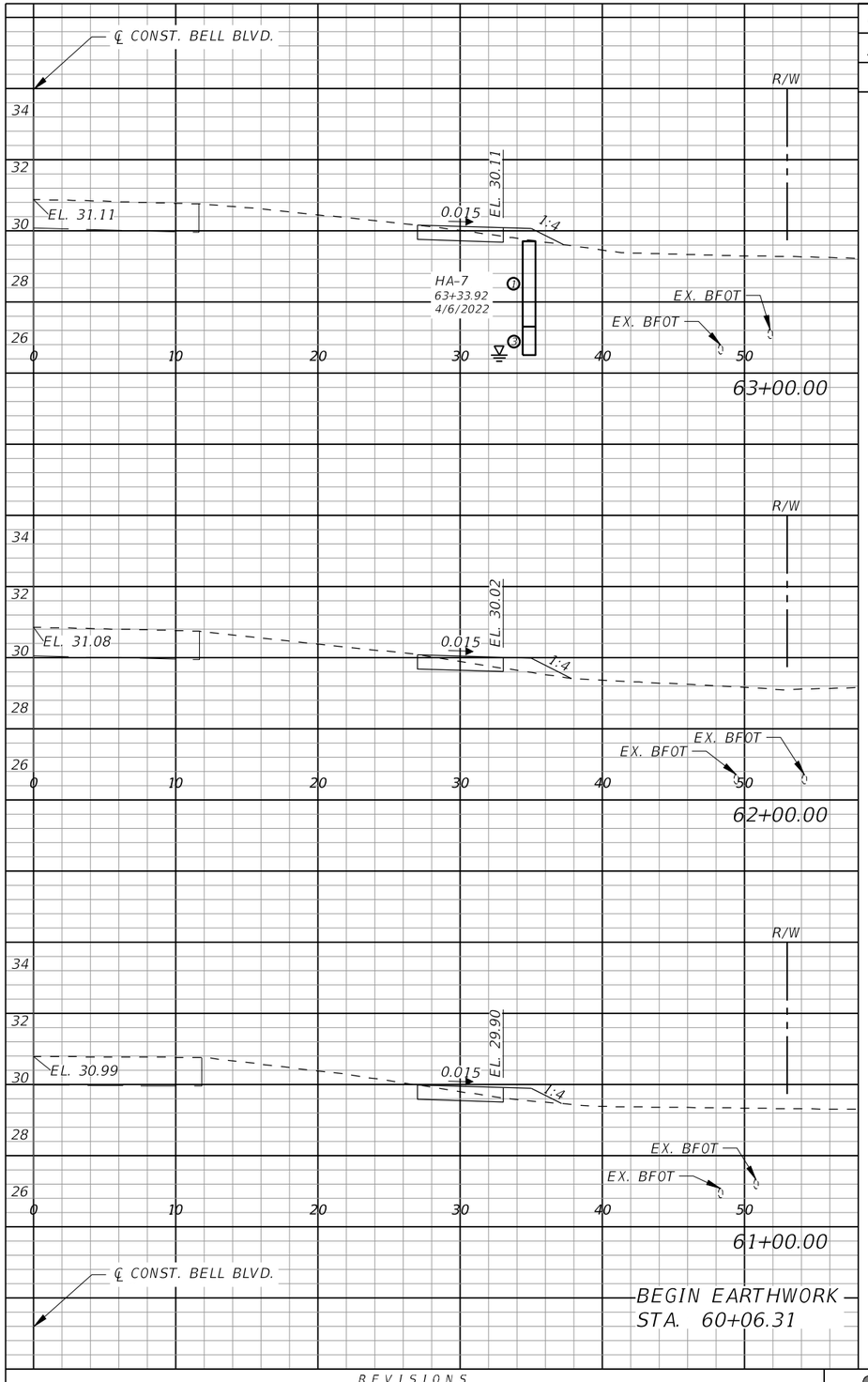
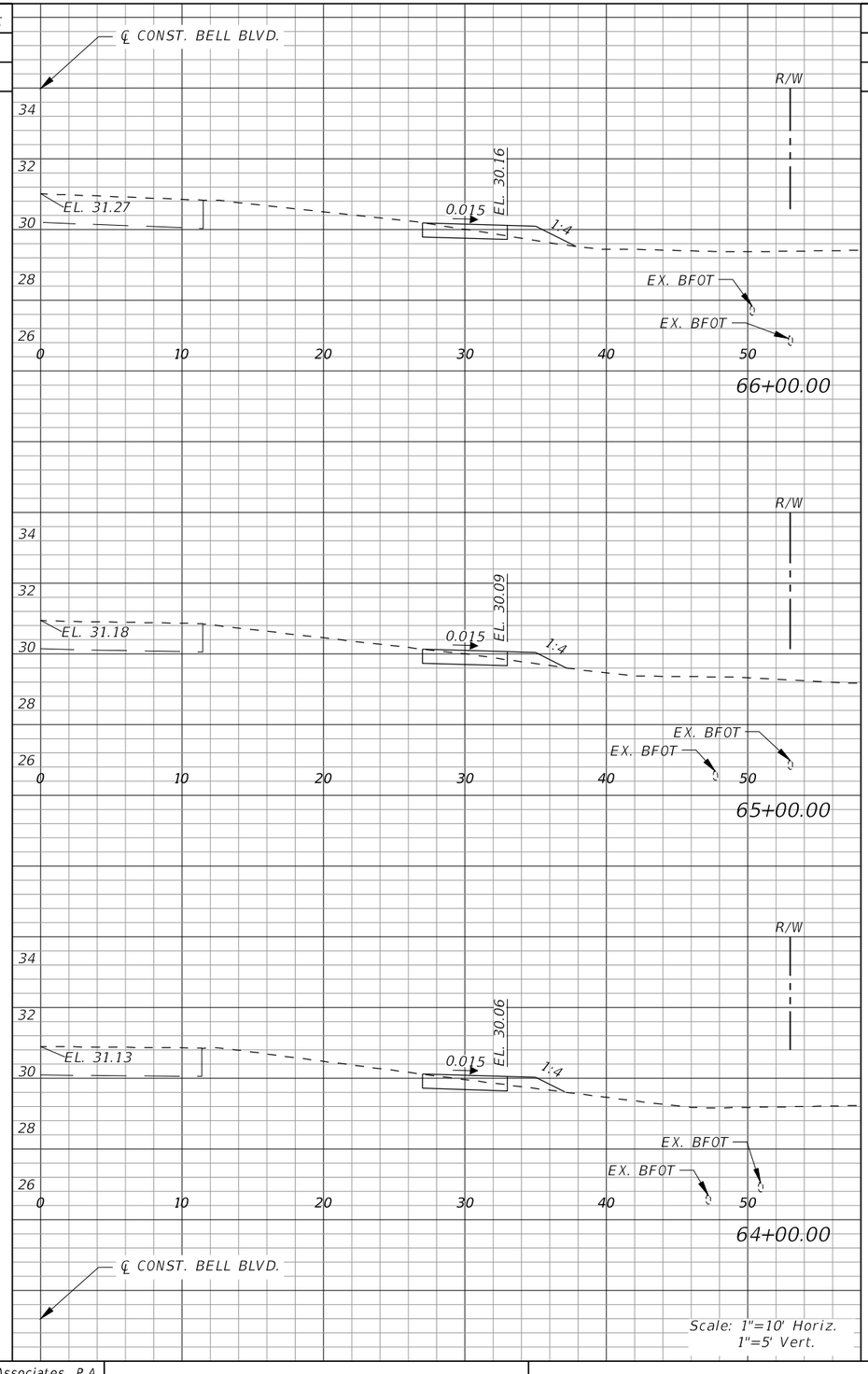
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BLVD.

SHEET NO. 85





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		4
2		1	
	7		5
	2		2
	7		5
2		1	
	3		2
0		0	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		6
2		2	
	7		5
	2		1
	8		4
2		1	
	2		1

REVISIONS			
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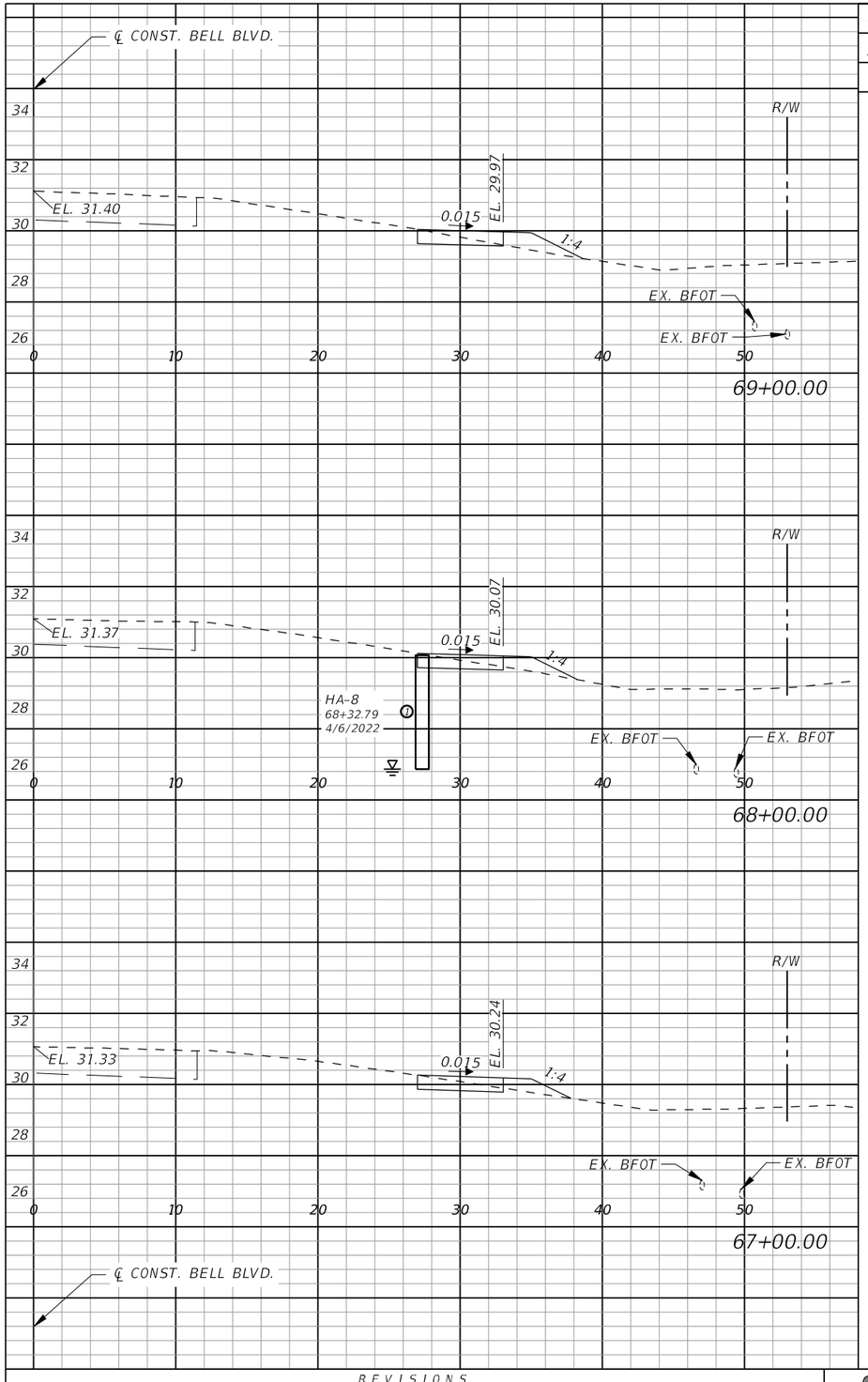
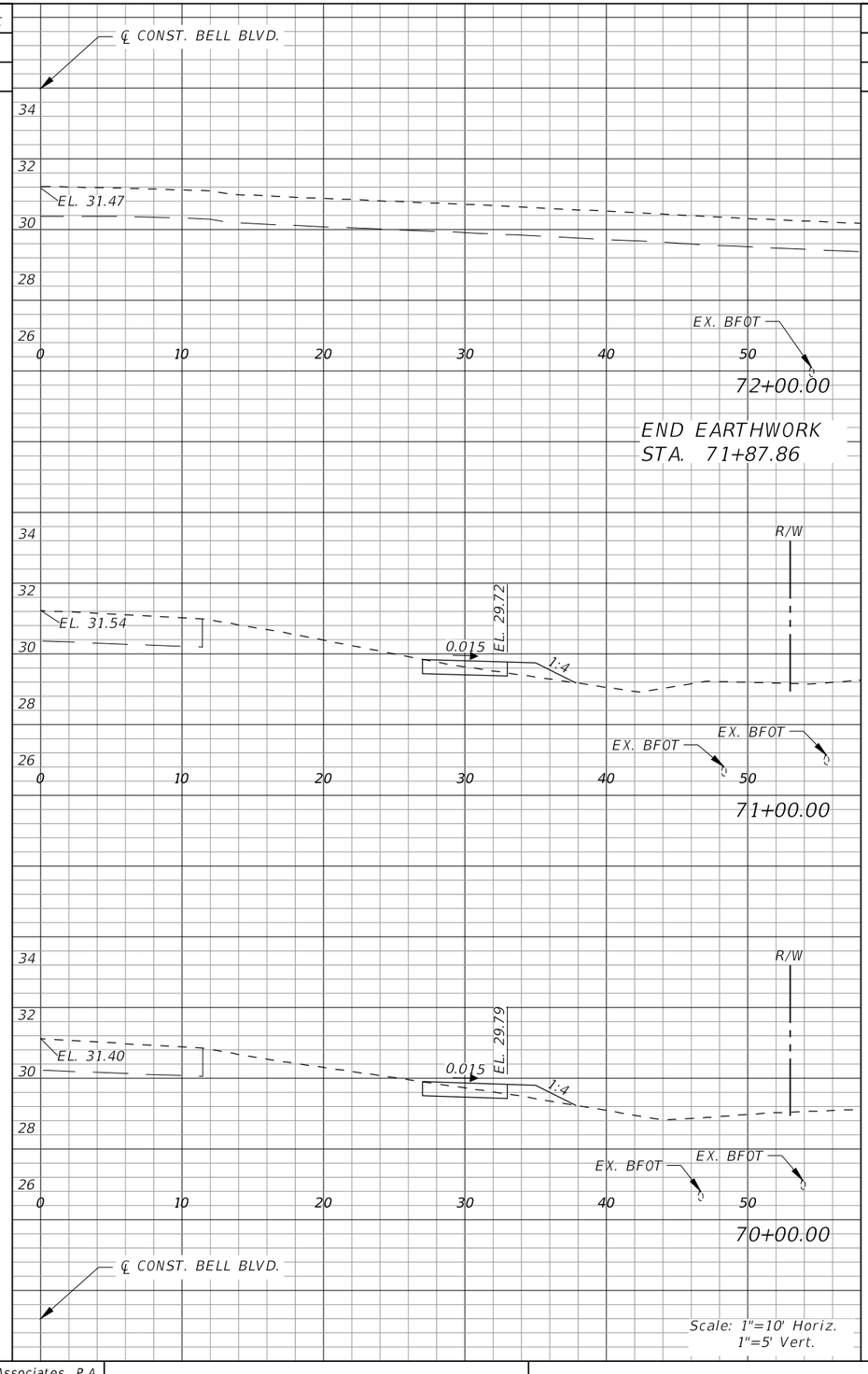
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 86





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		7
2		2	
	6		7
	2		2
	7		6
	2		2

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	3		3
	2		2
	7		6
	2		2

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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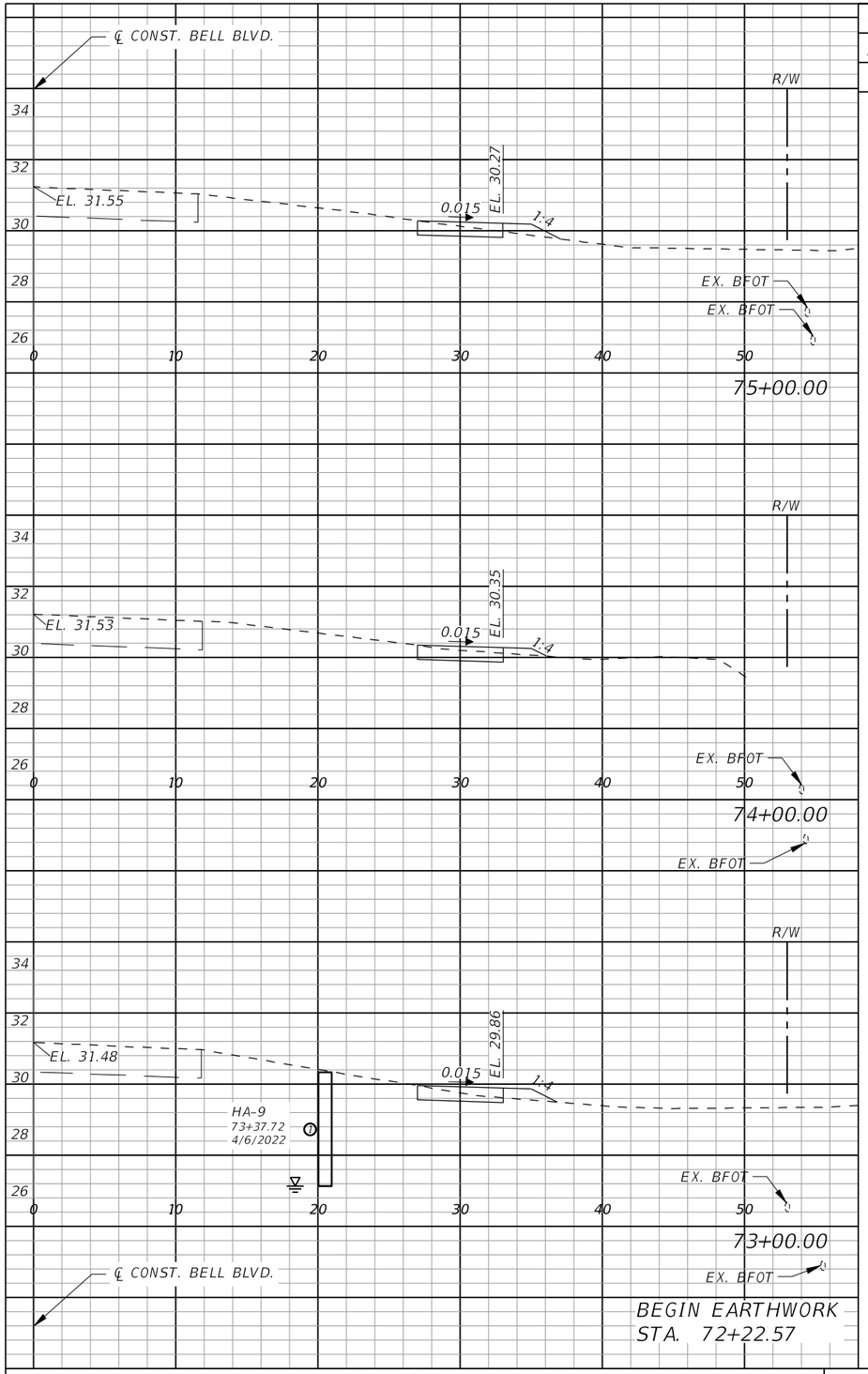
LEE COUNTY

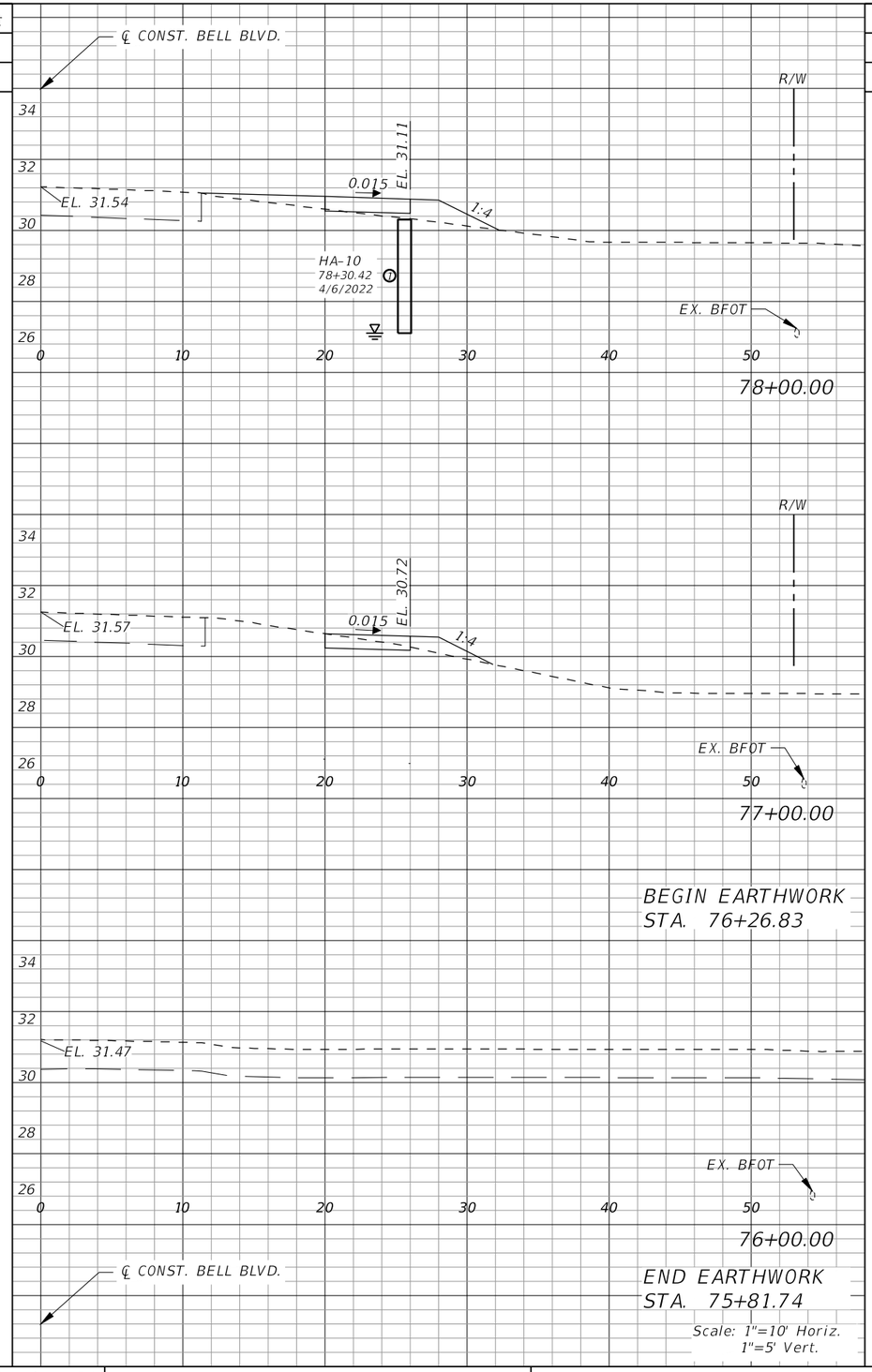
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 87



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	3		2
2		1	
	8		3
2		1	
	8		3
2		1	
	3		2
0		0	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	6		14
1		6	
	5		14
2		2	
	3		3
0		0	

Scale: 1"=10' Horiz.
1"=5' Vert.

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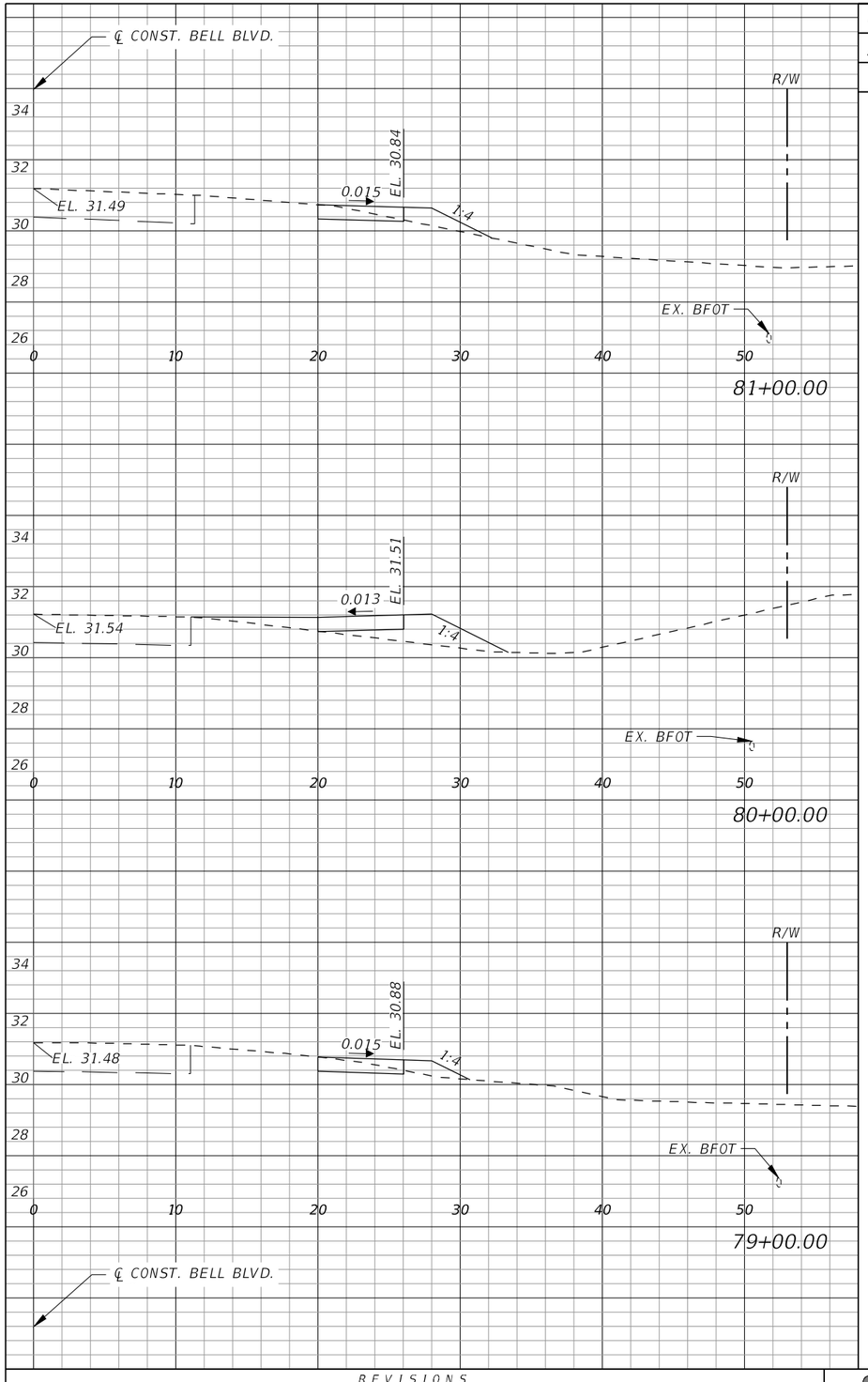
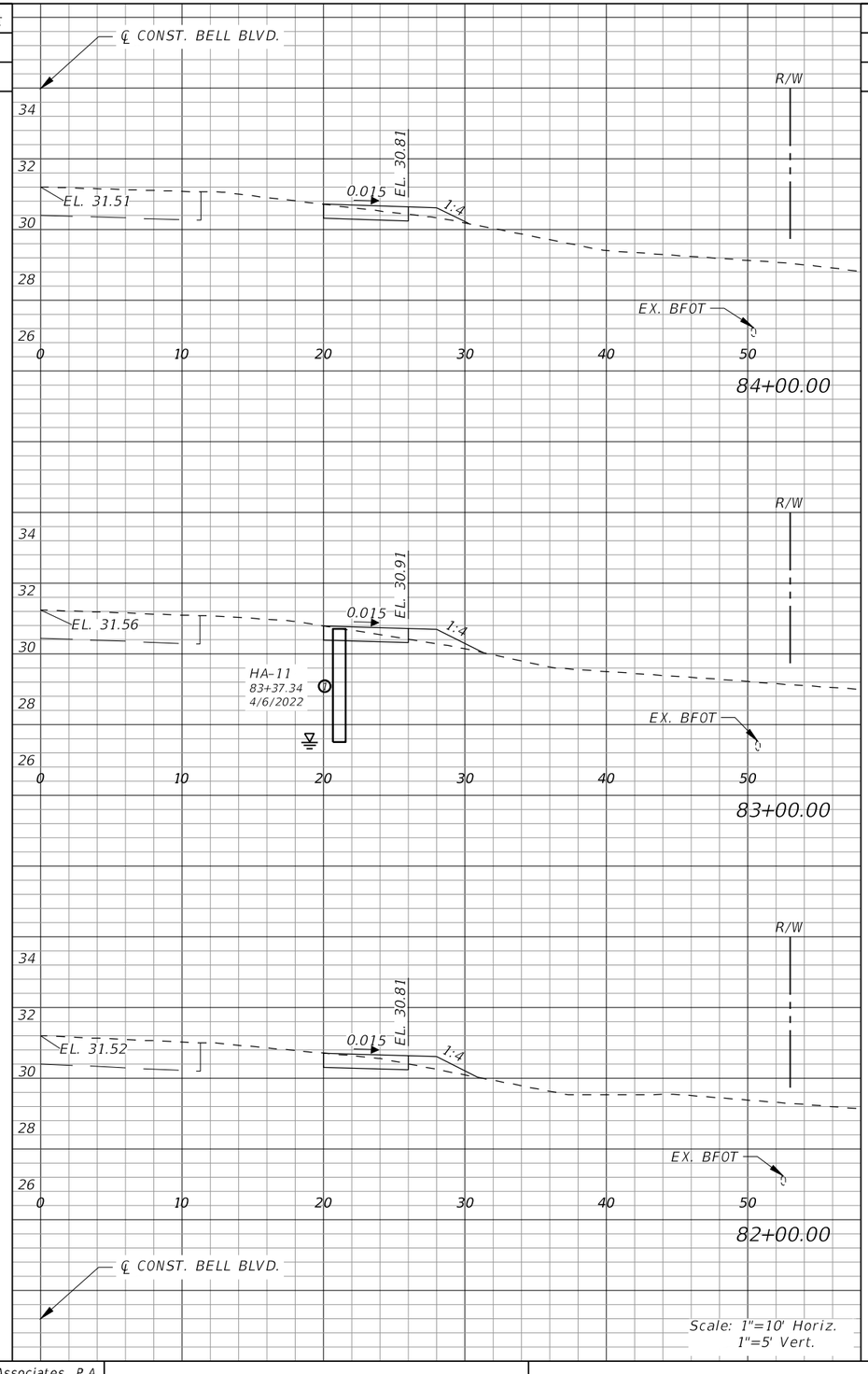
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 88





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		7
	5		20
	1		8
	6		18
	2		2
2		2	
	9		4
	8		5
	2		2
	8		6
	2		2
2		1	

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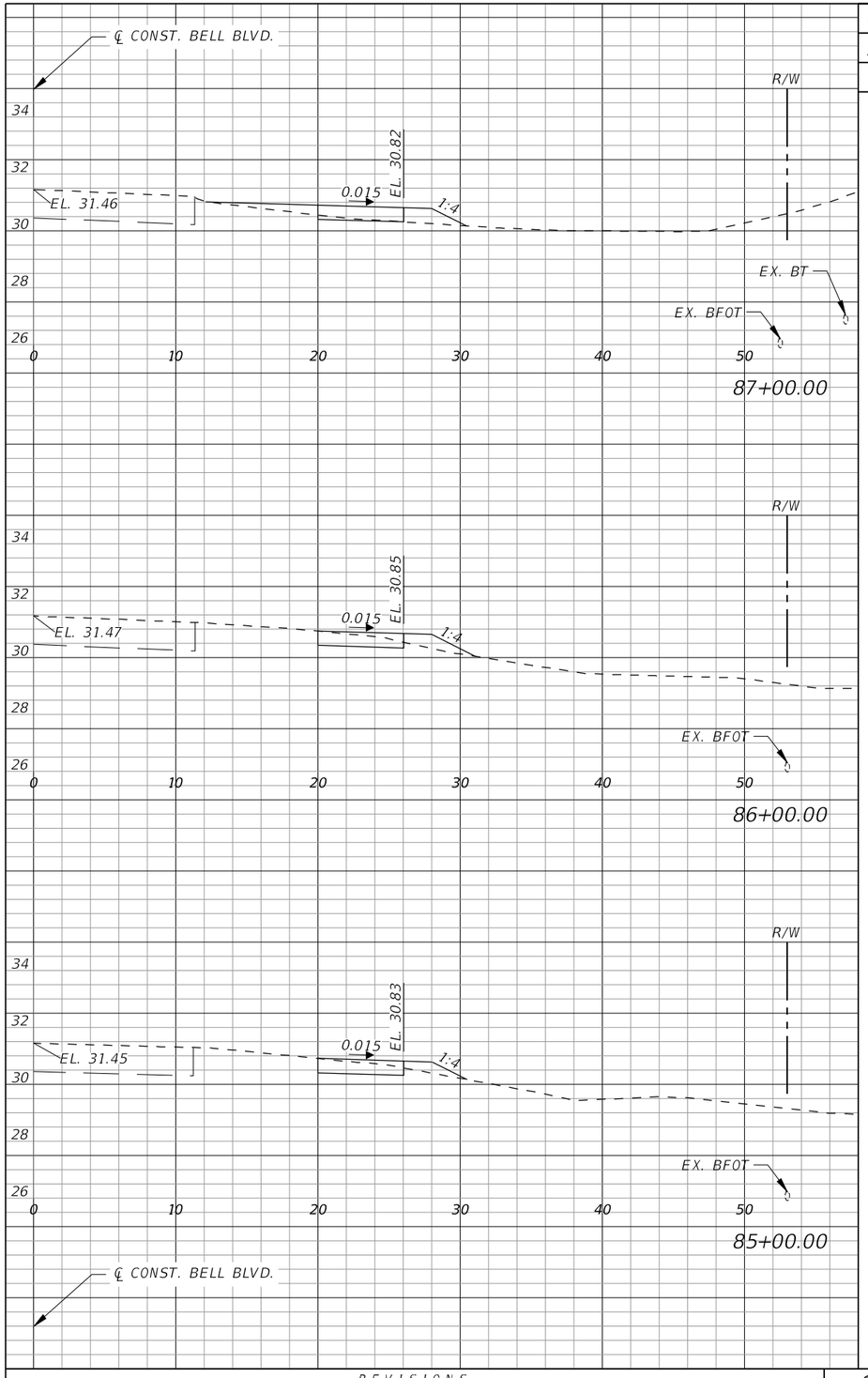
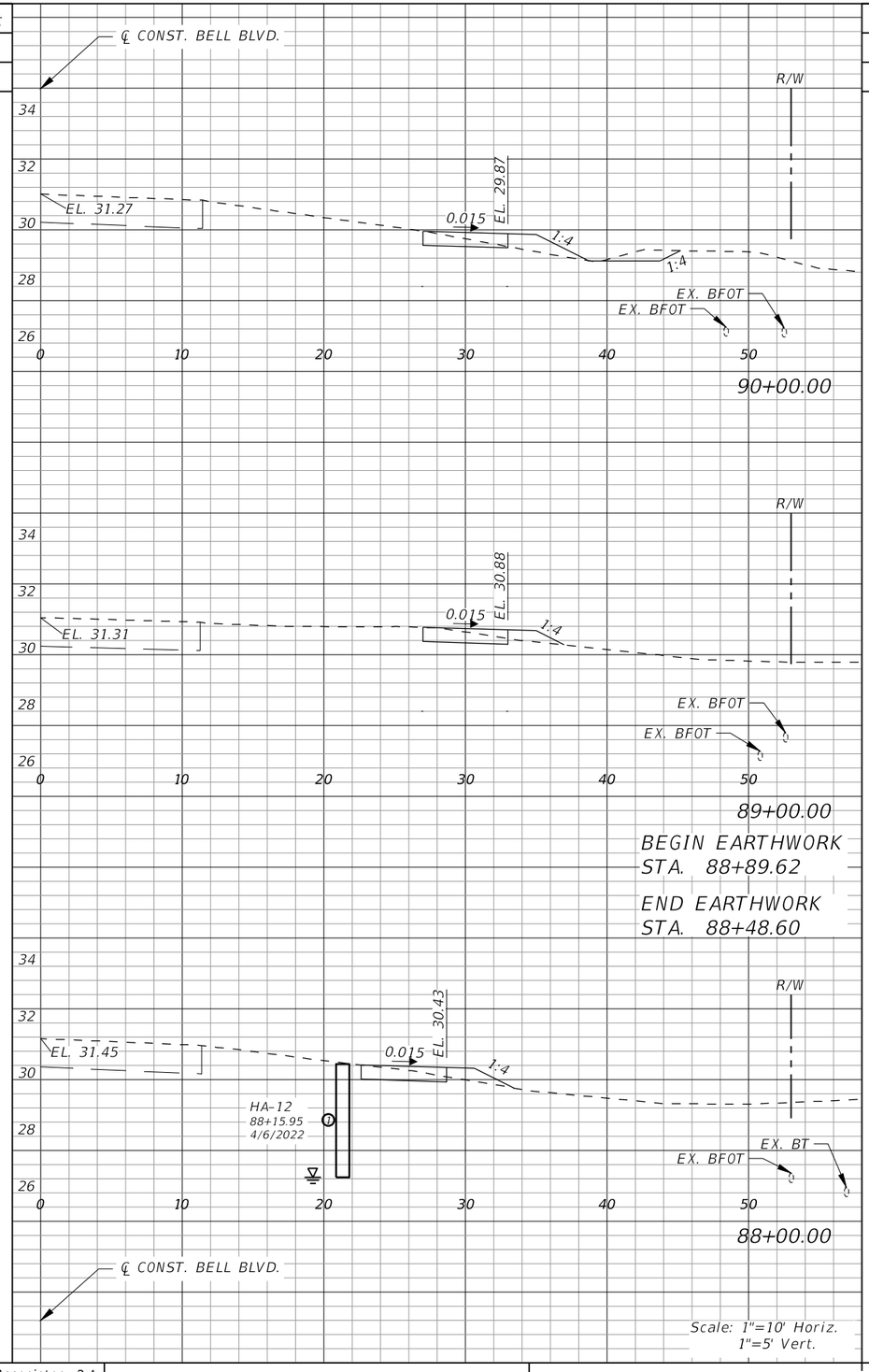
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 89





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	6		8
1		3	
	6		9
2		2	
	9		5
2		1	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	9		9
3		2	
	10		6
2		1	
0		0	
0		0	
2		1	
2		1	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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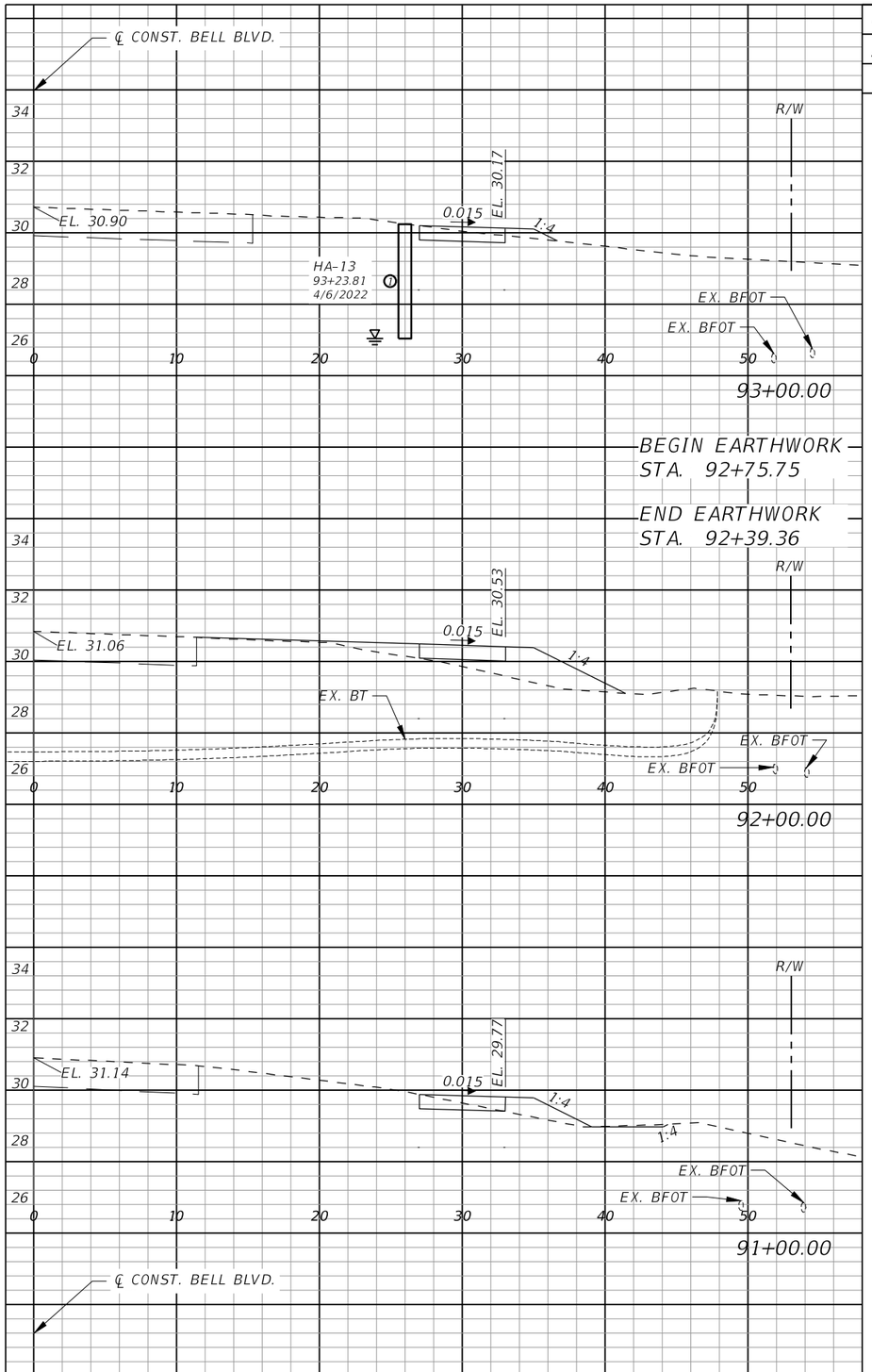
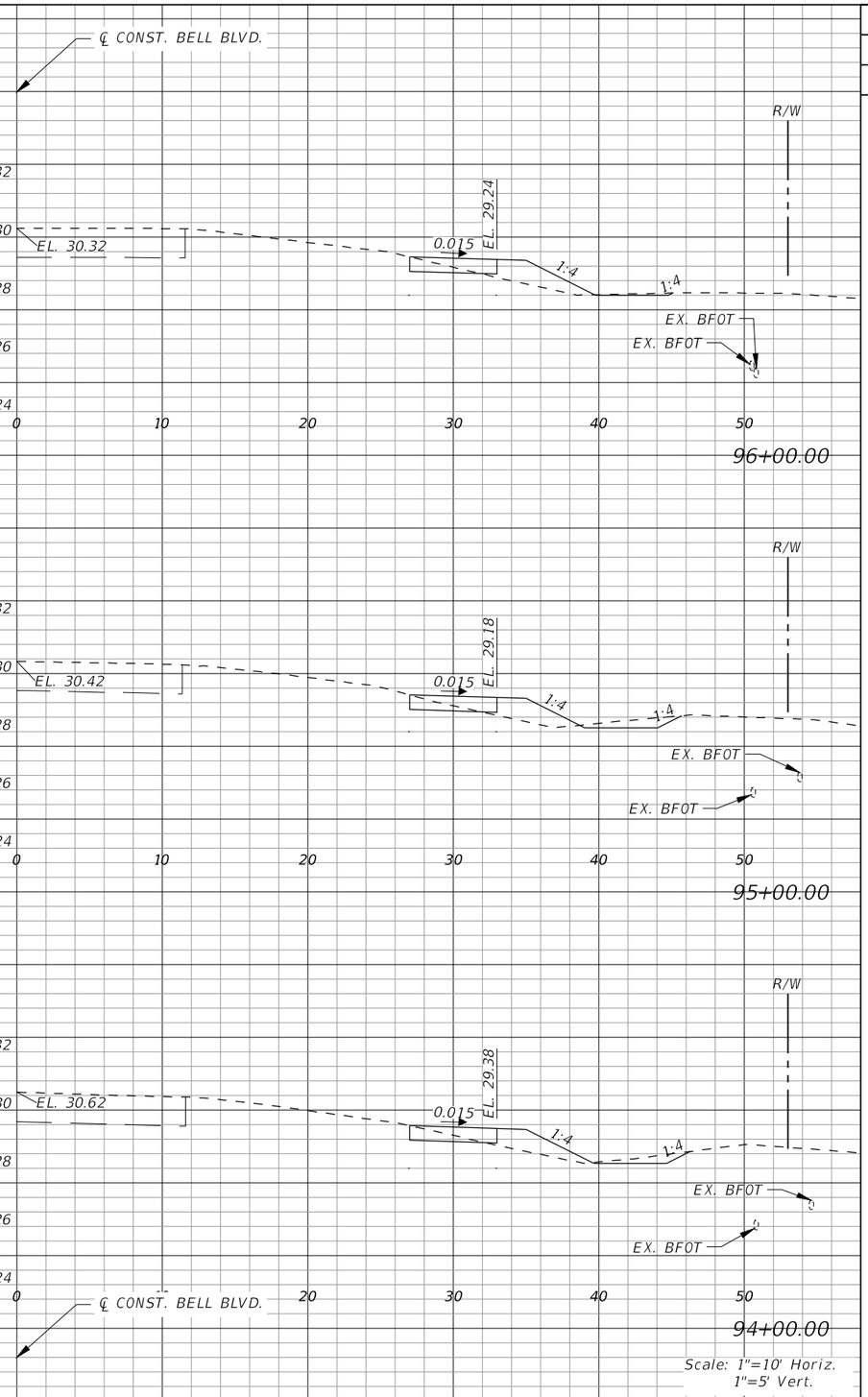
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 90





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		8
2		1	
	1		0
0		0	
0		0	
	0		7
0		10	
	3		24
2		3	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	6		10
1		4	
	7		13
3		3	
	9		12
2		3	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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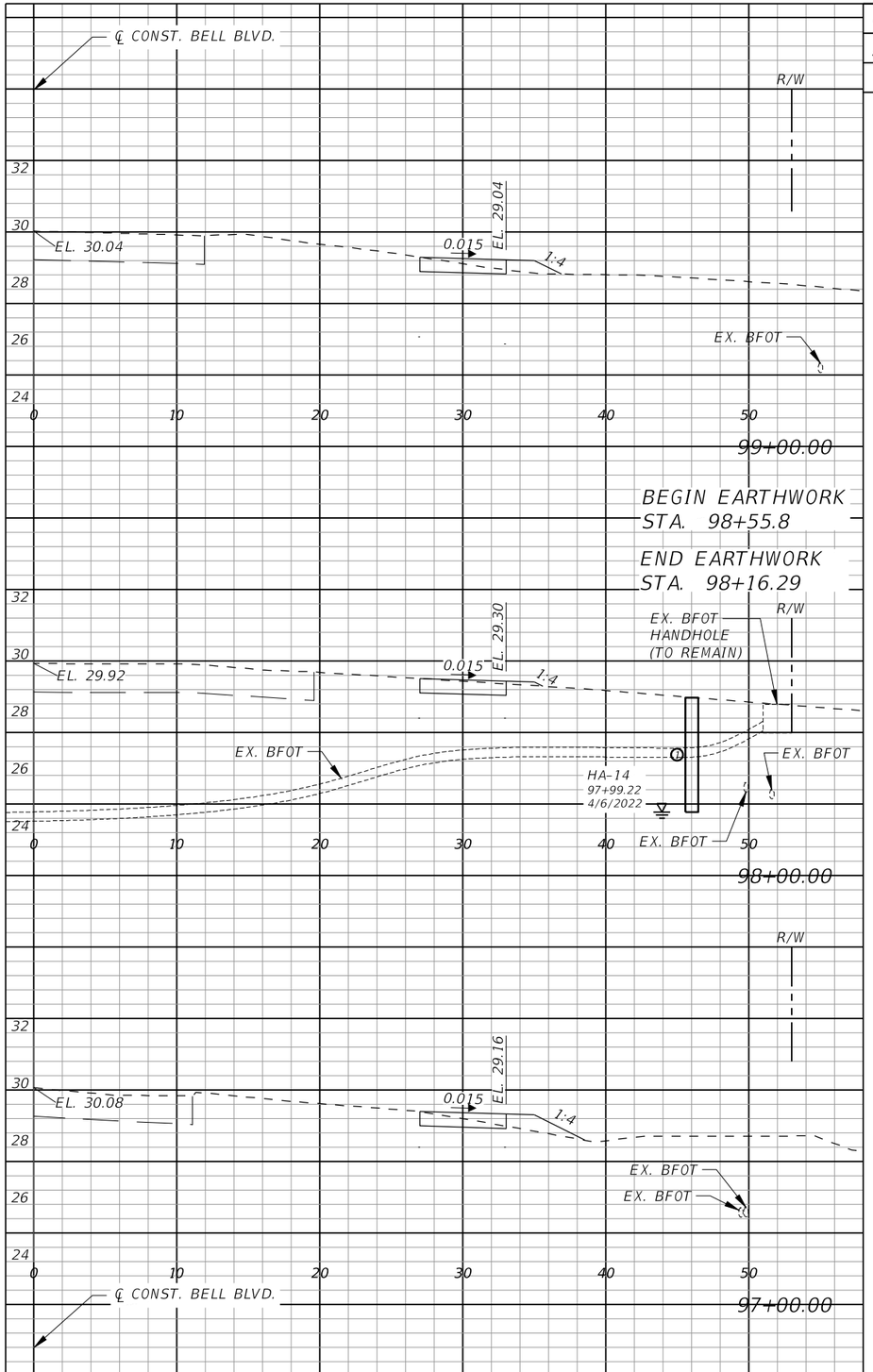
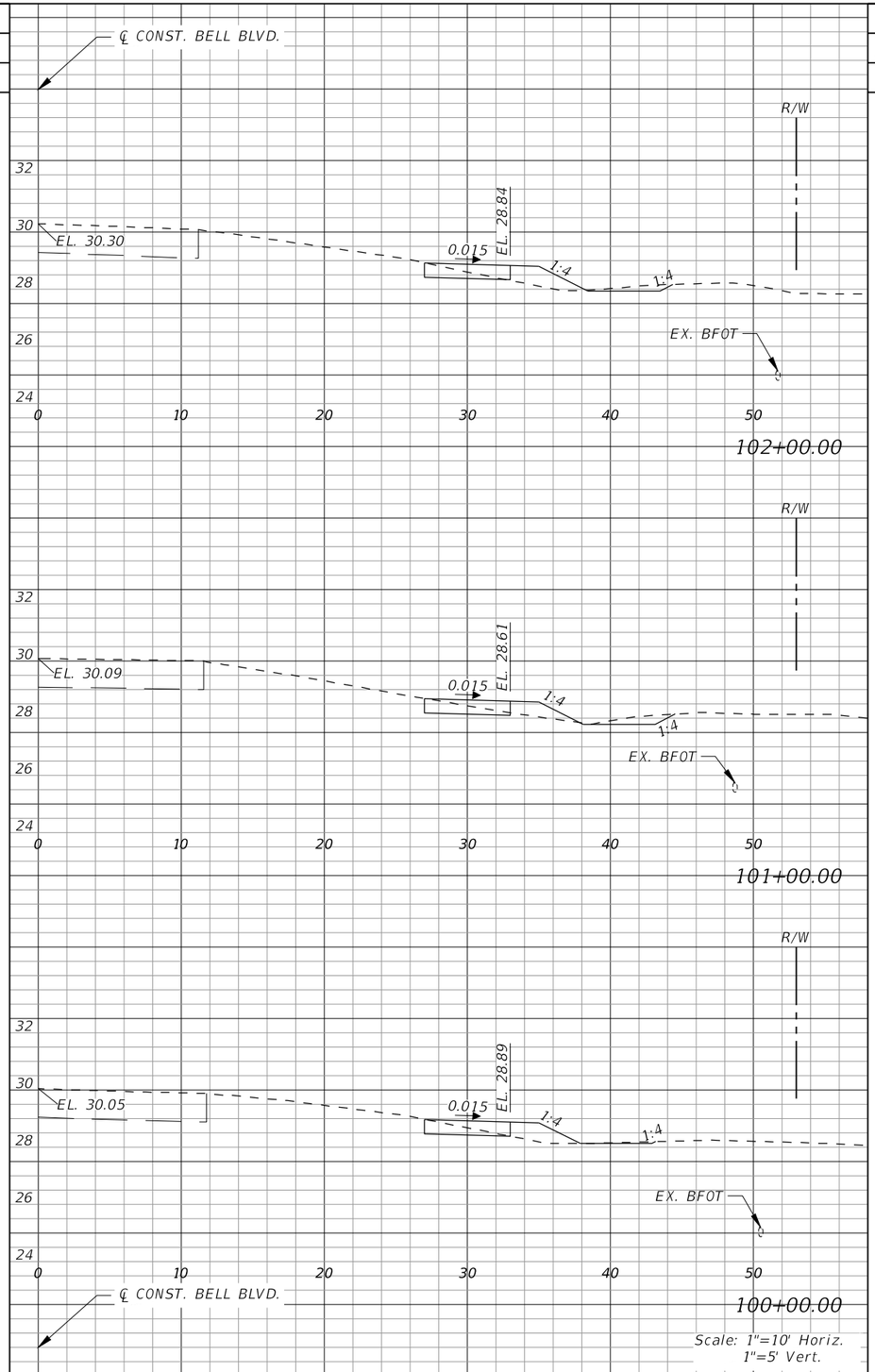
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 91





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		6
2		1	
0	2	0	1
0		0	
	1		0
3		1	
	8		6
2		2	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		9
2		3	
	9		8
3		2	
	8		7
2		2	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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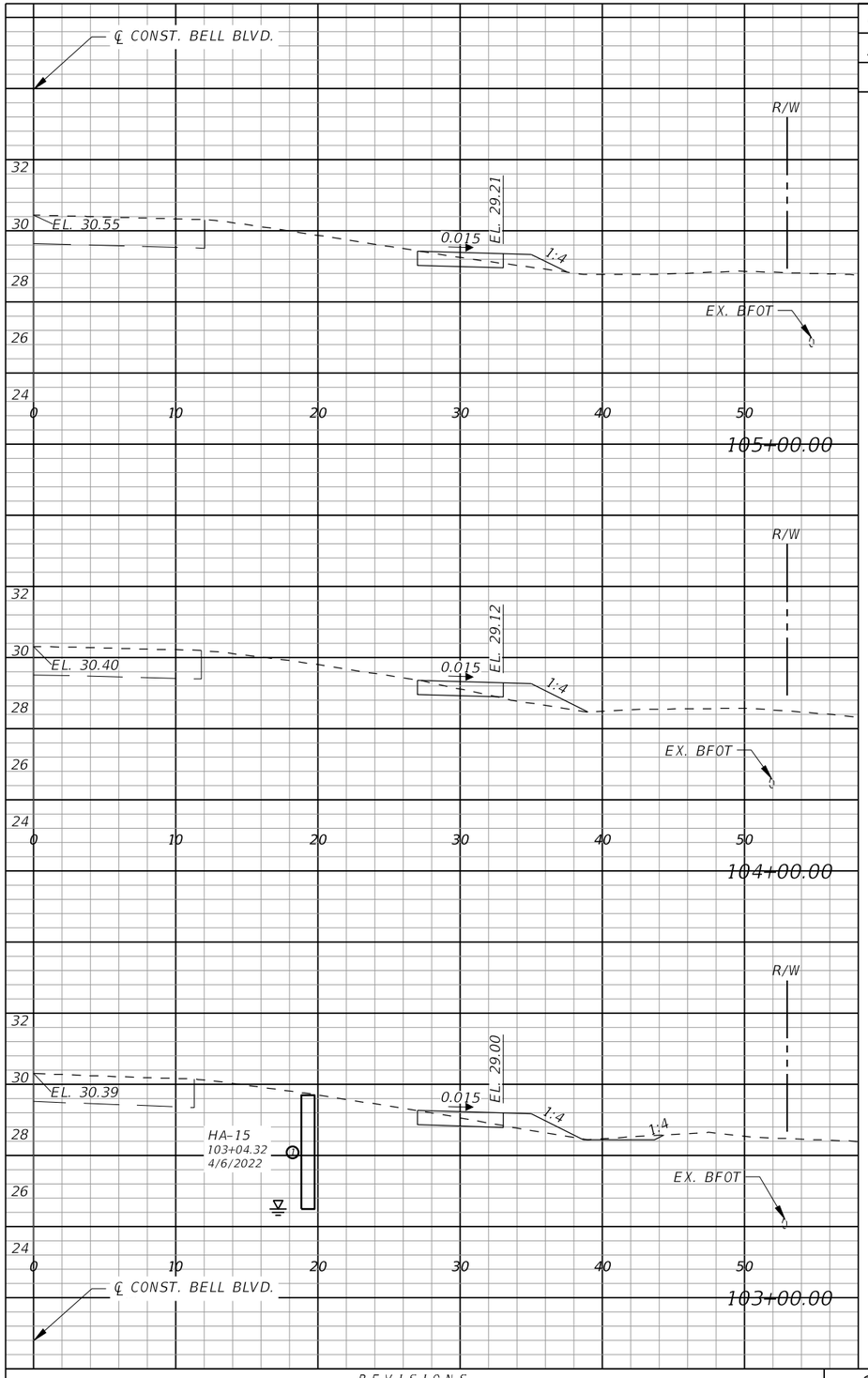
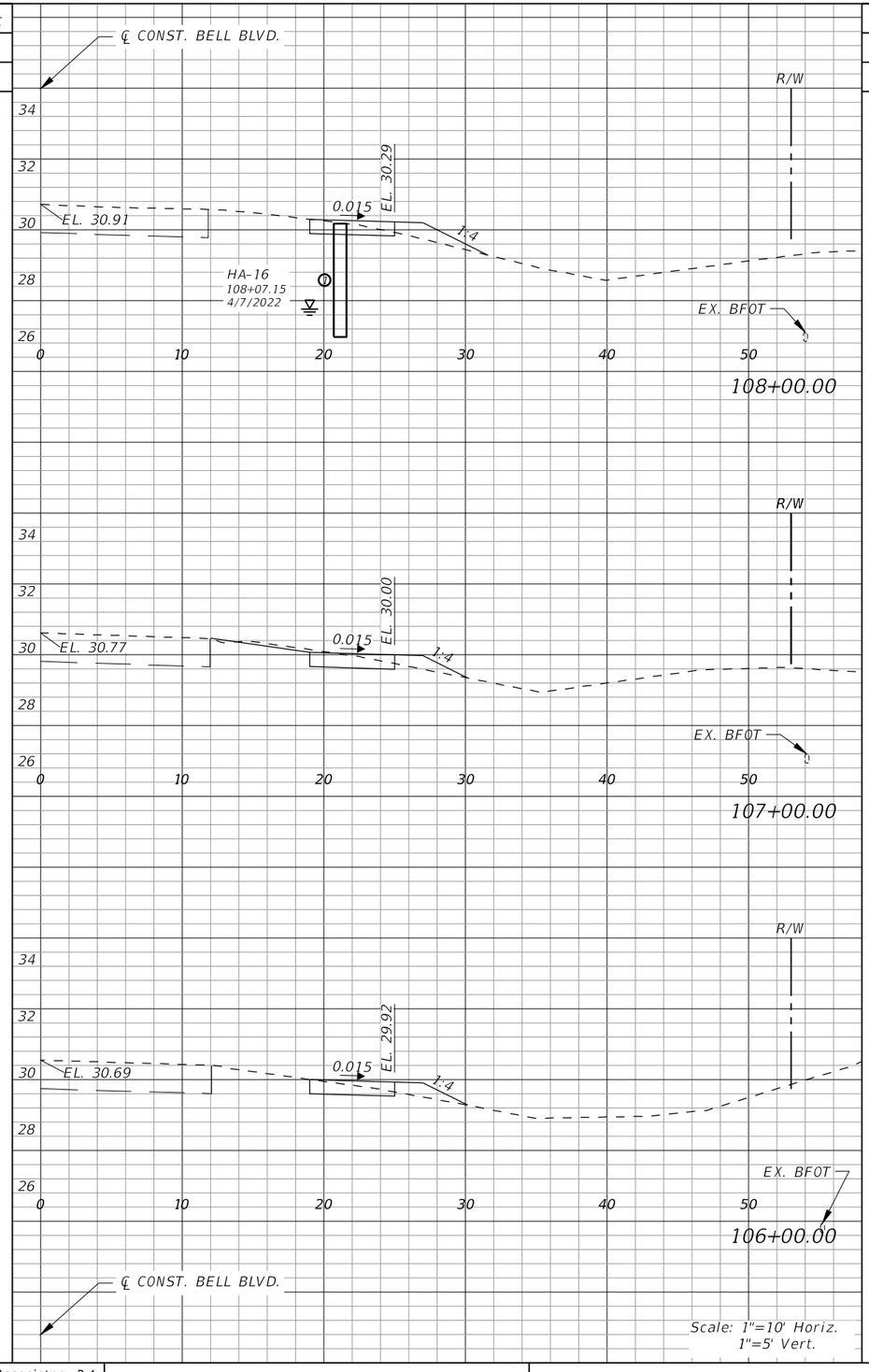
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BLVD.

SHEET NO. 92





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		6
	6		7
	1		3
	6		9
2		1	
	2		2

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		7
	9		7
	9		6
2		2	
3		2	
2		2	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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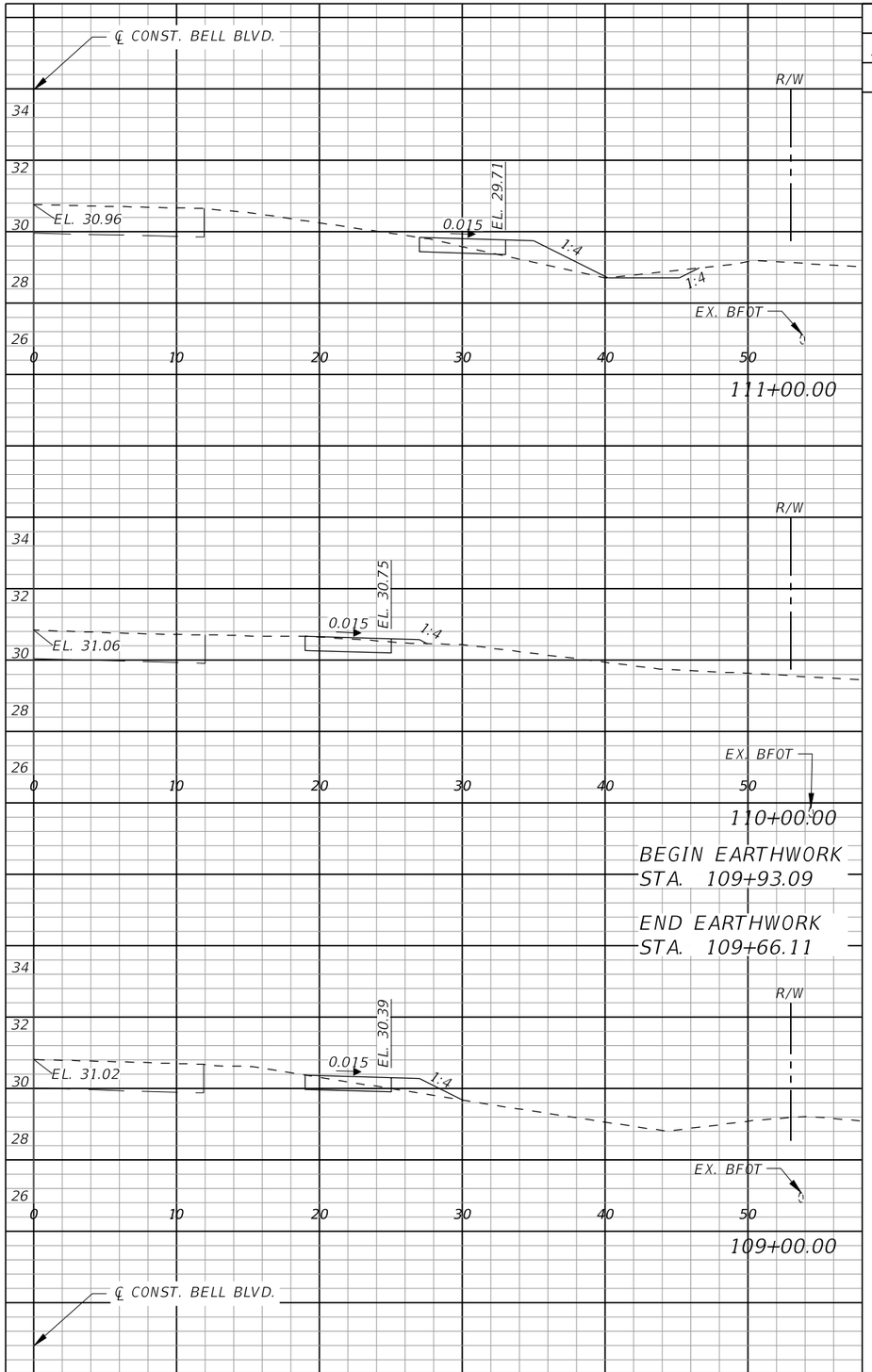
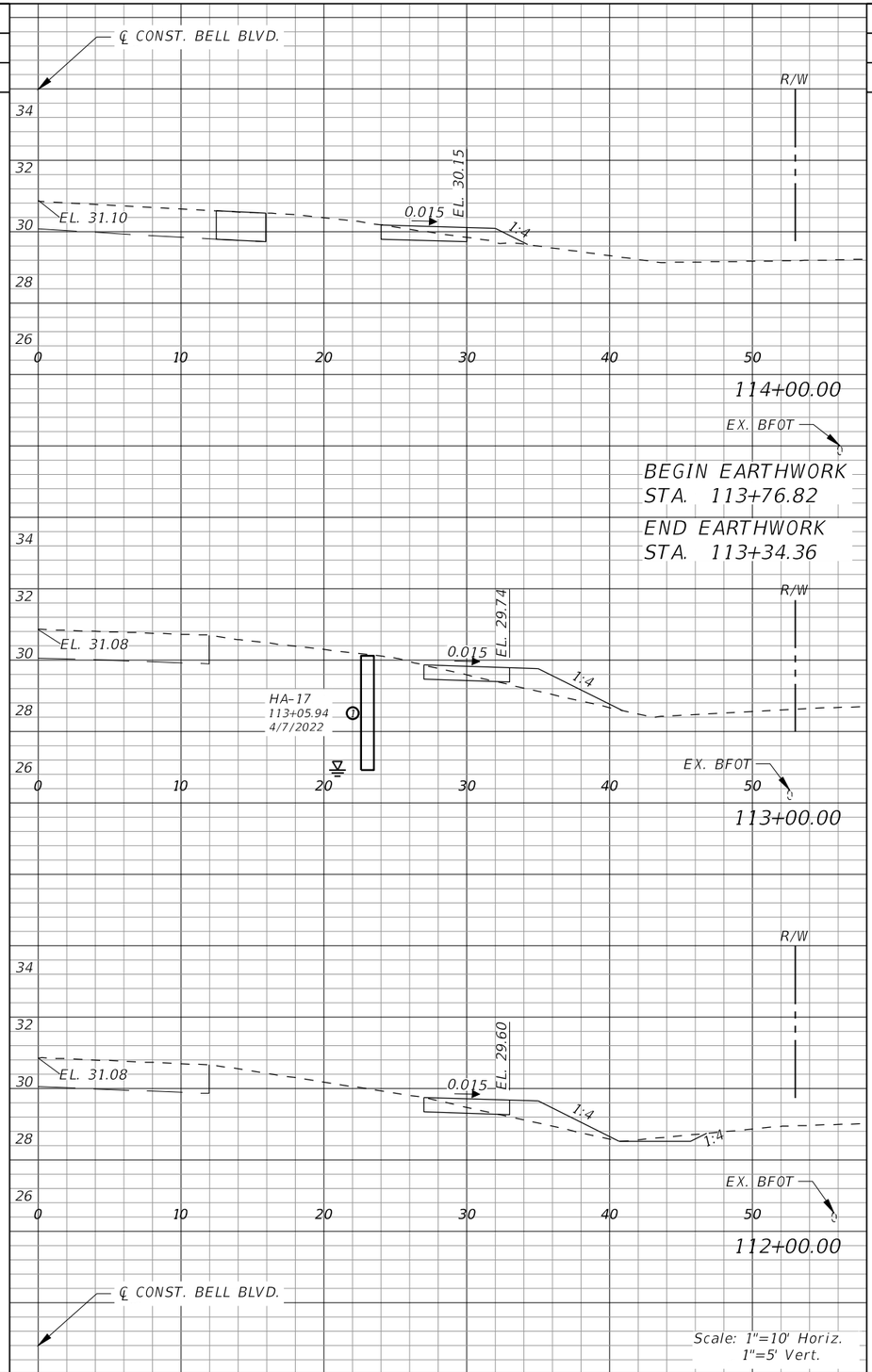
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BLVD.

SHEET NO. 93





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		13
	9		8
2		3	
3	1	1	0
0	0	0	0
0	0	0	0
	7		5
2	2	2	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		7
2		1	
	1		1
0	0	0	0
0	0	0	0
	1		2
1		4	
	6		14
2		4	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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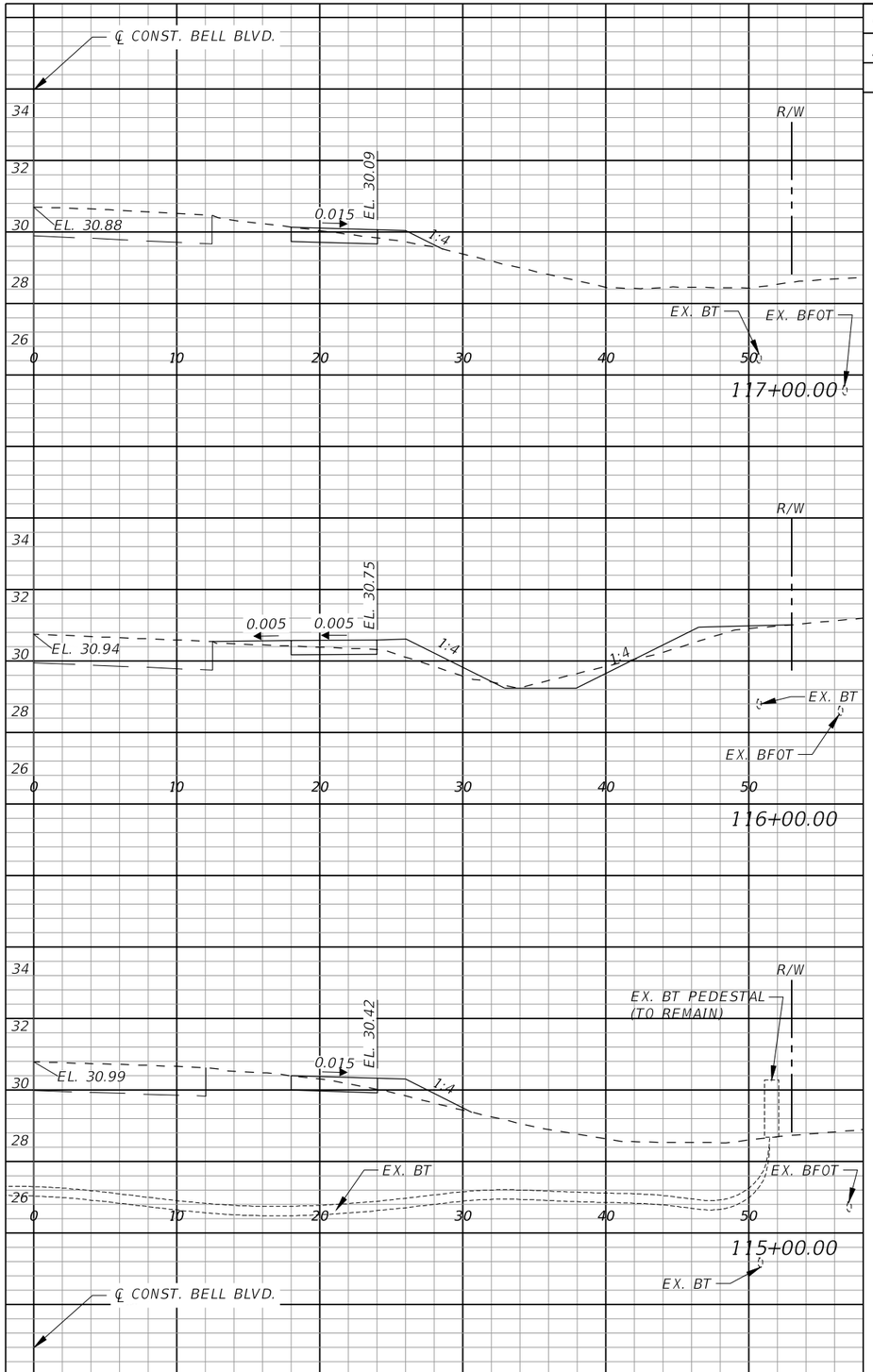
LEE COUNTY

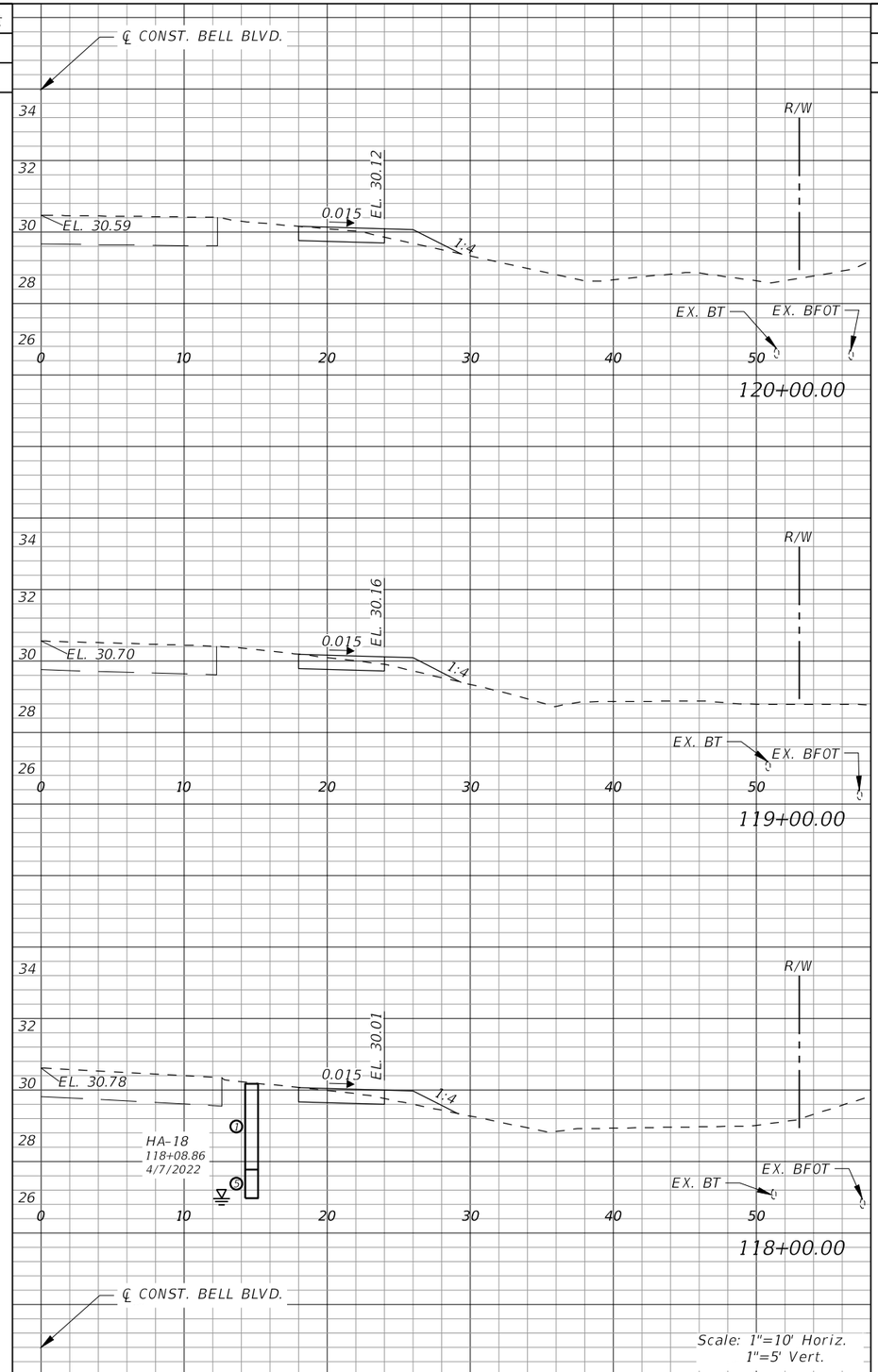
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 94



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		5
2		1	
	11		13
4		6	
	10		16
2		2	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
2	9		7
	9		6
2		2	
	8		6
2		2	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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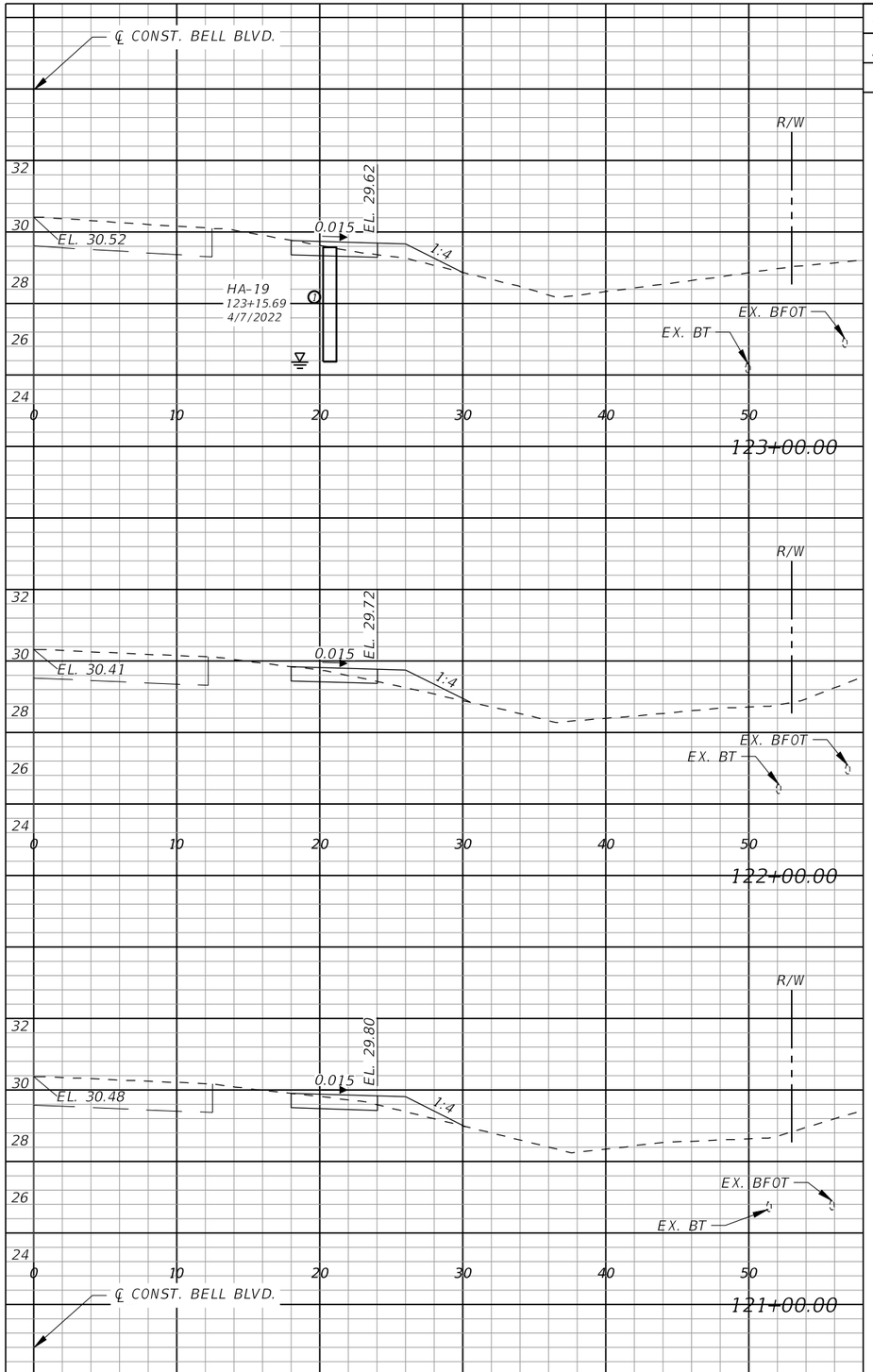
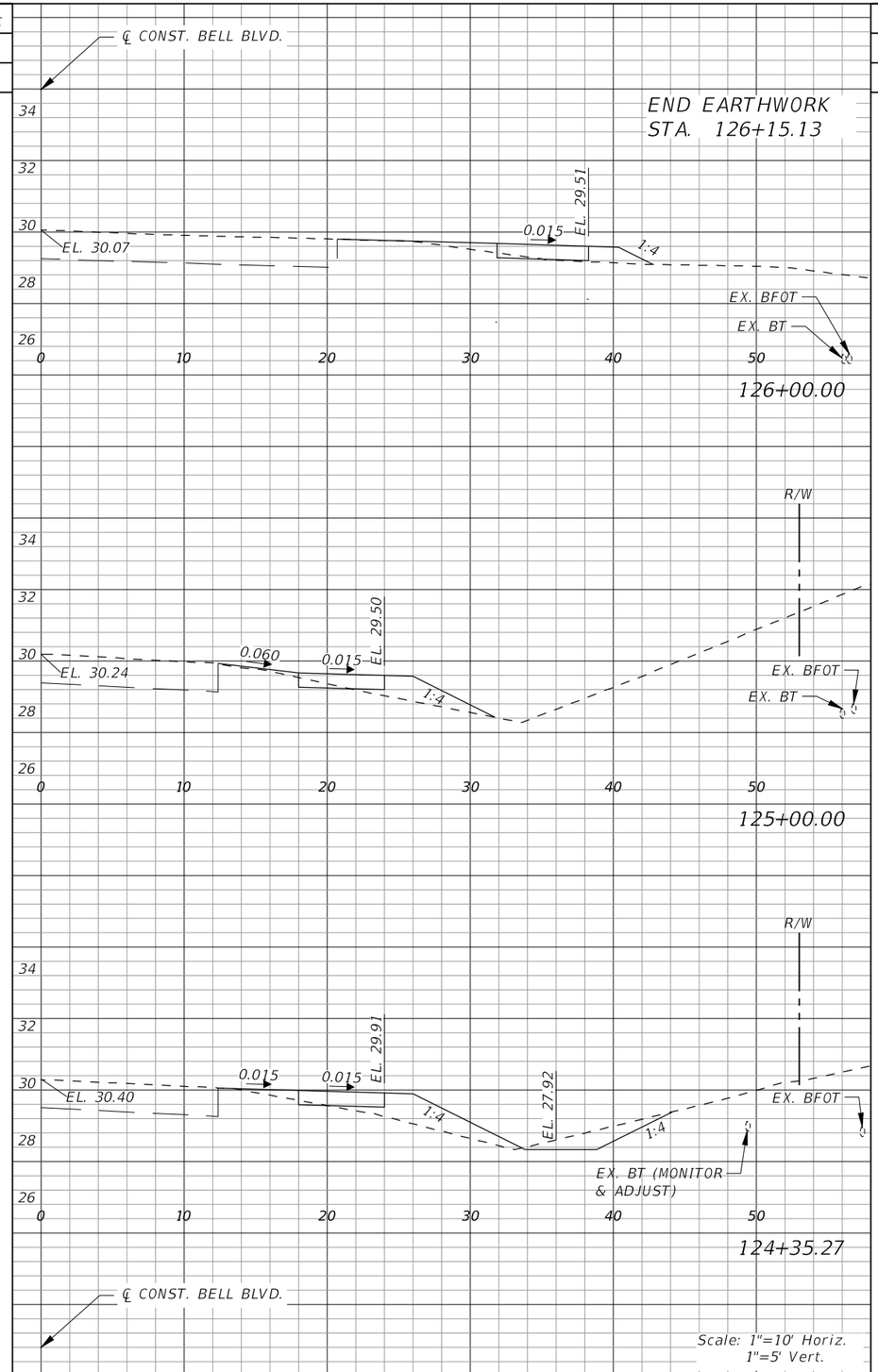
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 95





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	14		24
2		2	
	7		8
2		2	
	8		8
2		2	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	0		1
1		3	
	3		14
1		5	
	5		15
4		8	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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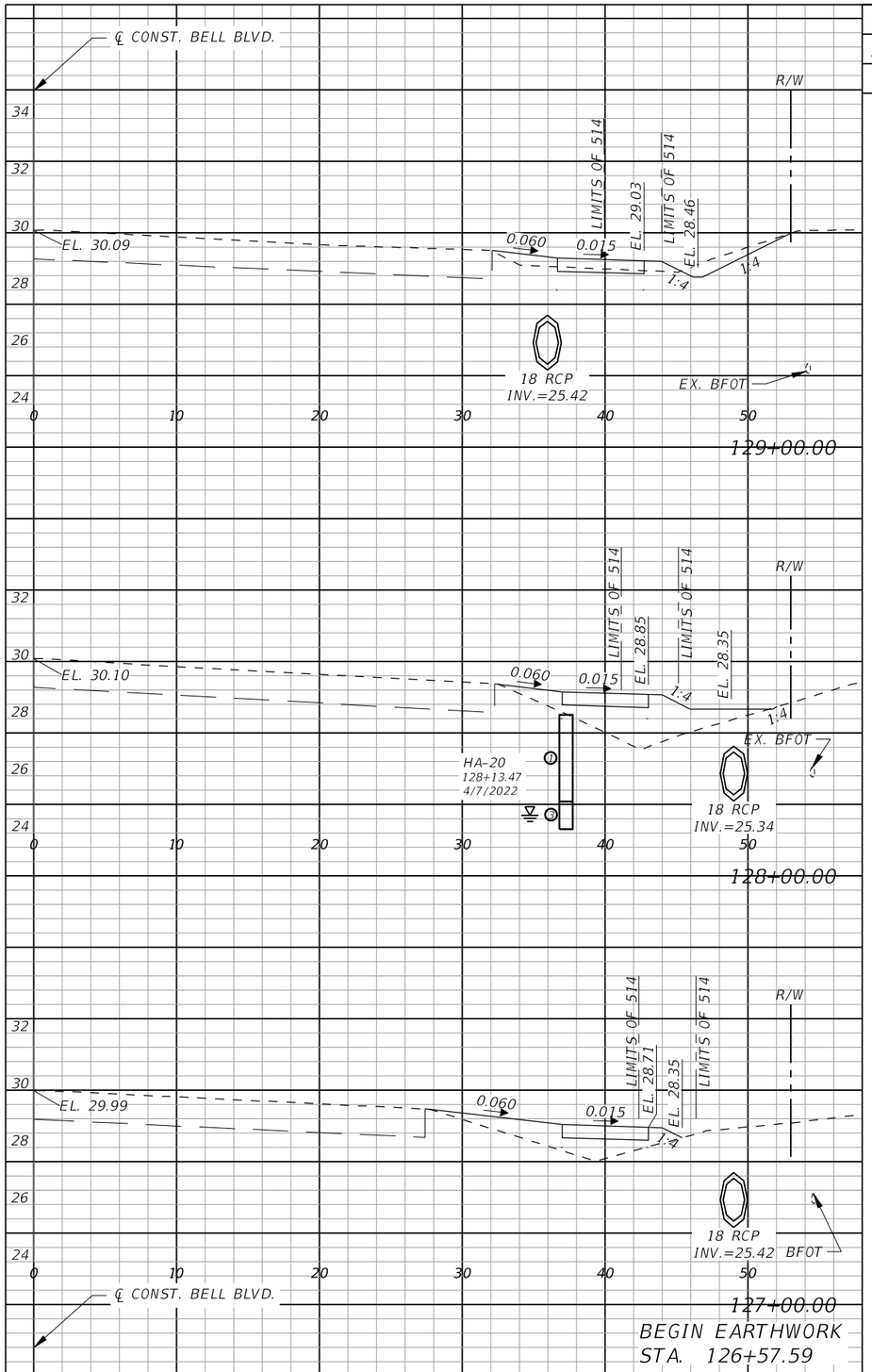
R. DANIEL FLYNN, P.E. NO. 76205

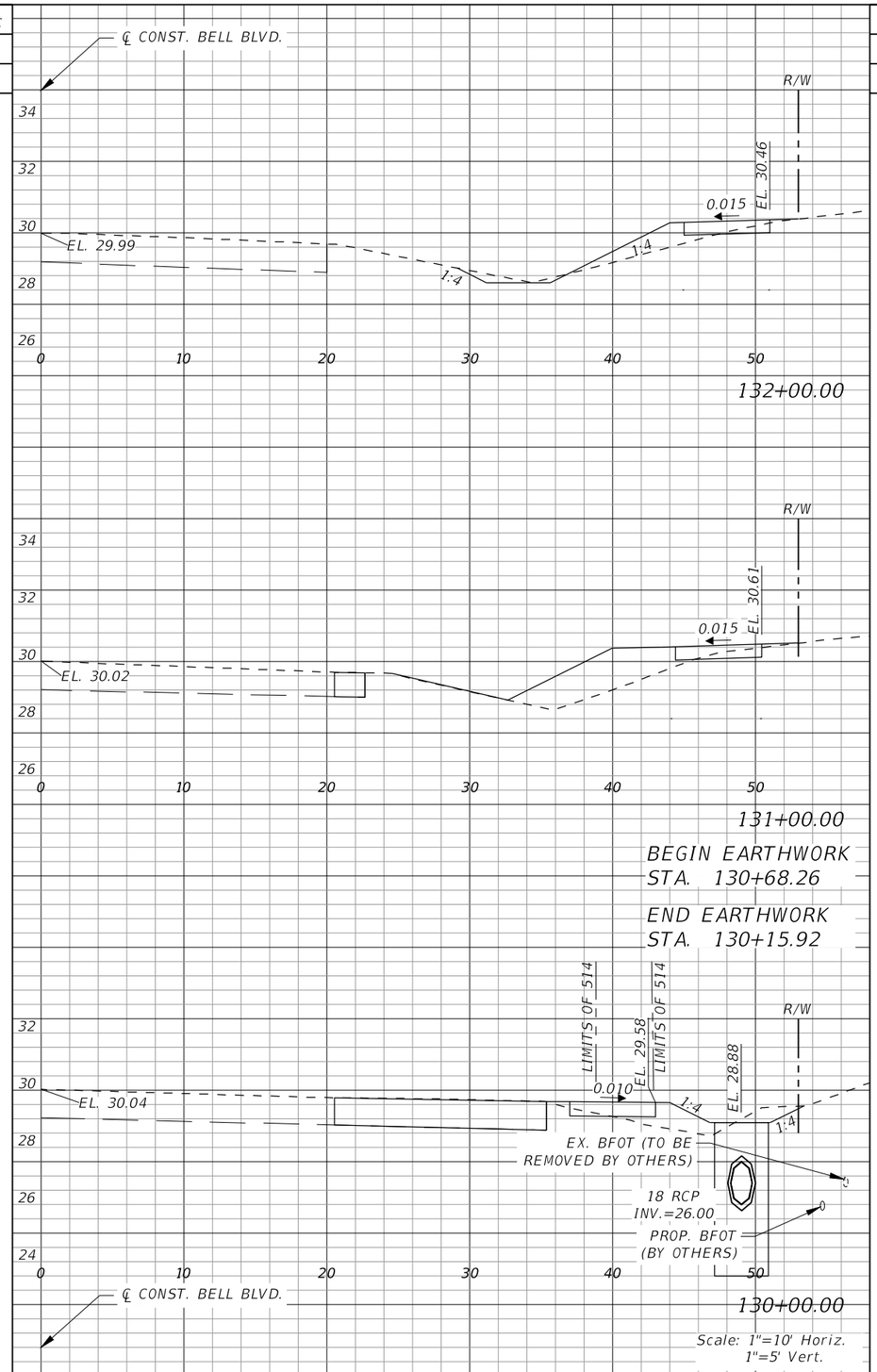
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 96





	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
129+00.00	2	6	3	12
		6		30
128+00.00	1	13		
		2		40
127+00.00	0	9		7
BEGIN EARTHWORK STA. 126+57.59	0	0	0	0
	2	6		13
132+00.00		5	4	31
	1	1	12	7
131+00.00 BEGIN EARTHWORK STA. 130+68.26	0	0	0	0
END EARTHWORK STA. 130+15.92	0	0	0	0
		0		1
130+00.00	1	4		

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

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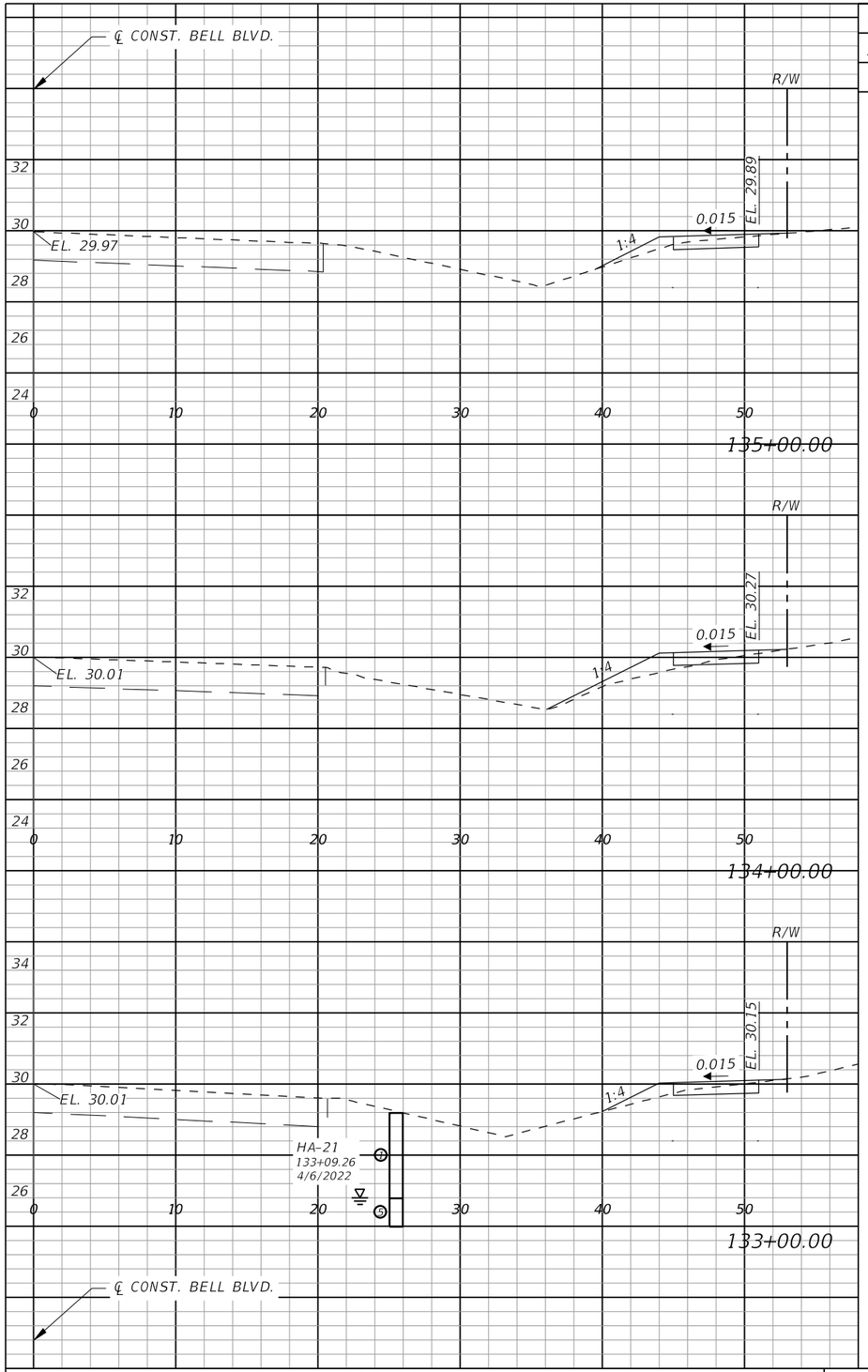
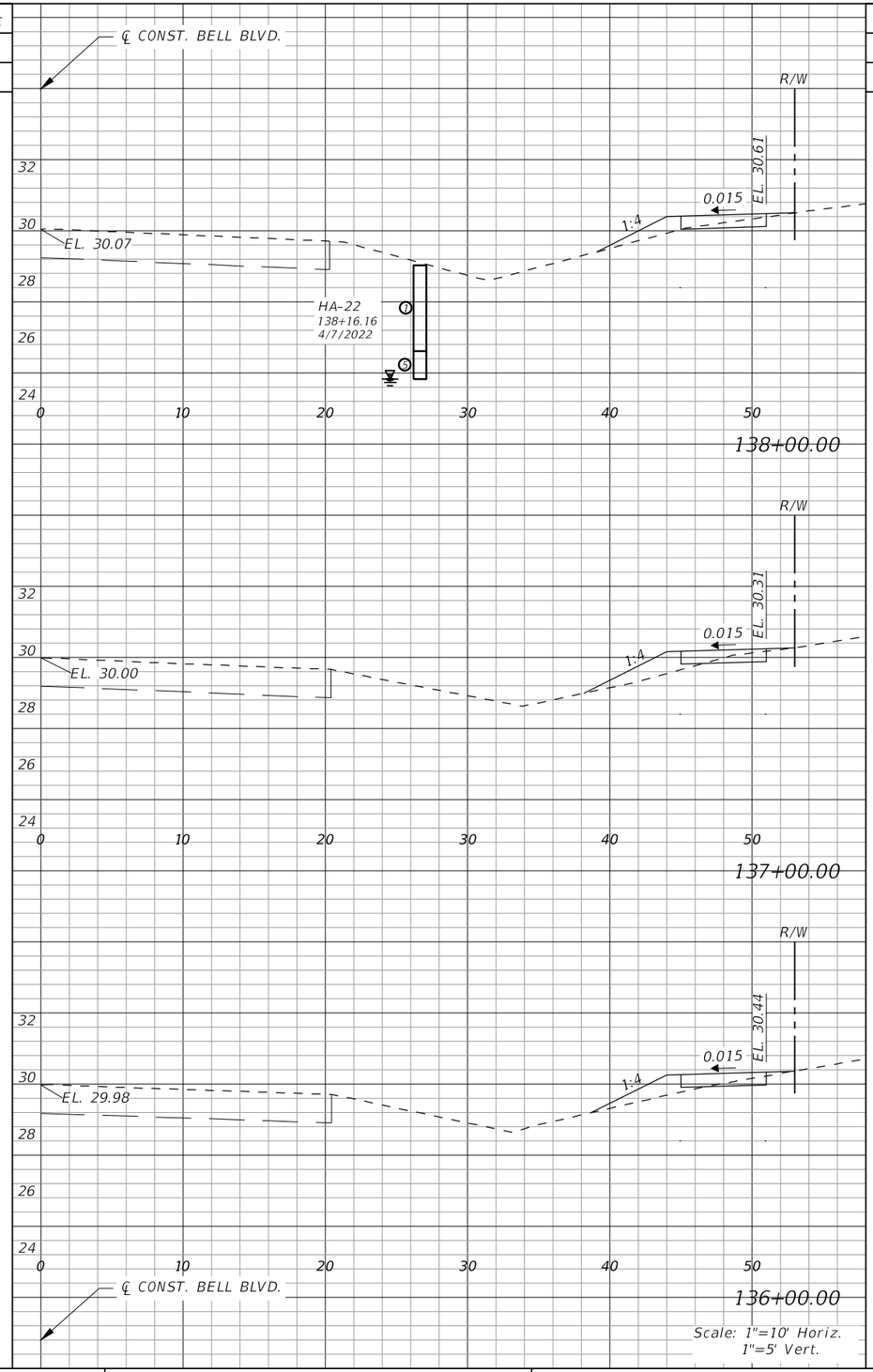
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 97



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	5		8
2		1	
	5		8
1			3
	4		11
2		3	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
1	4	2	8
	4		10
1	3	3	11
1	3		

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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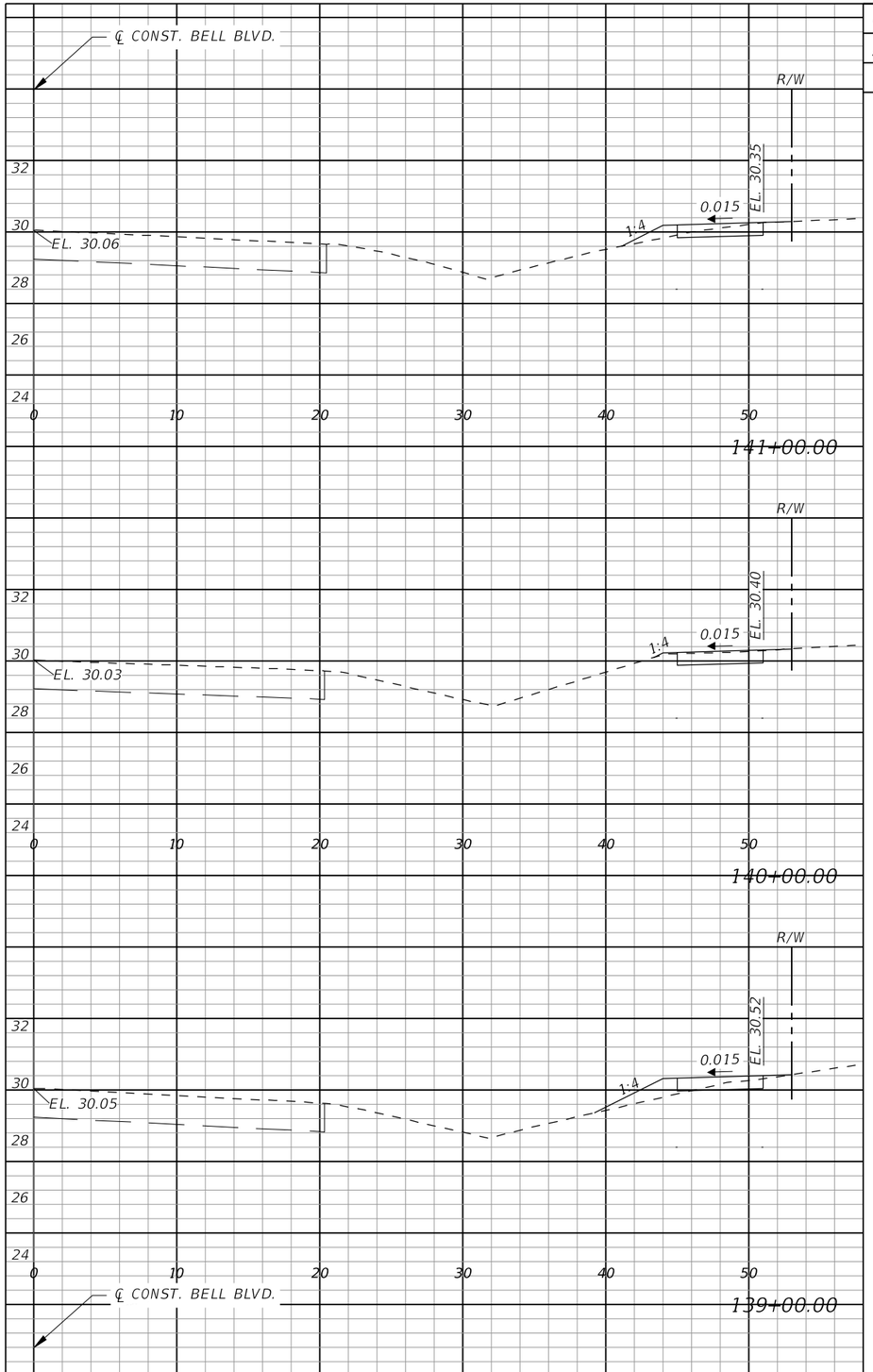
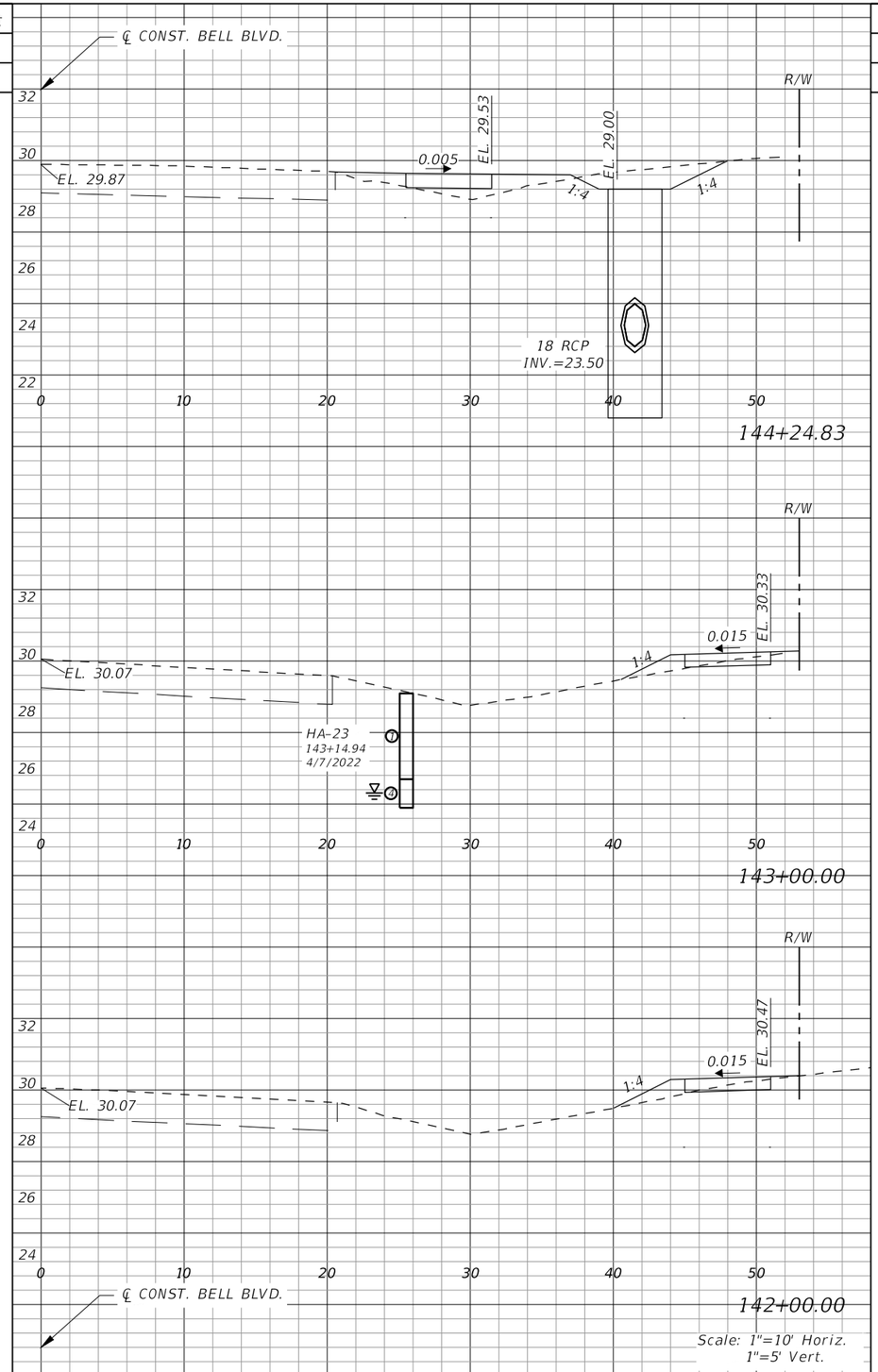
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 98





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	5		5
2		1	
	8		4
2		1	
	6		6
1		2	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		7
5		5	
	15		15
1		2	
	4		6
1		2	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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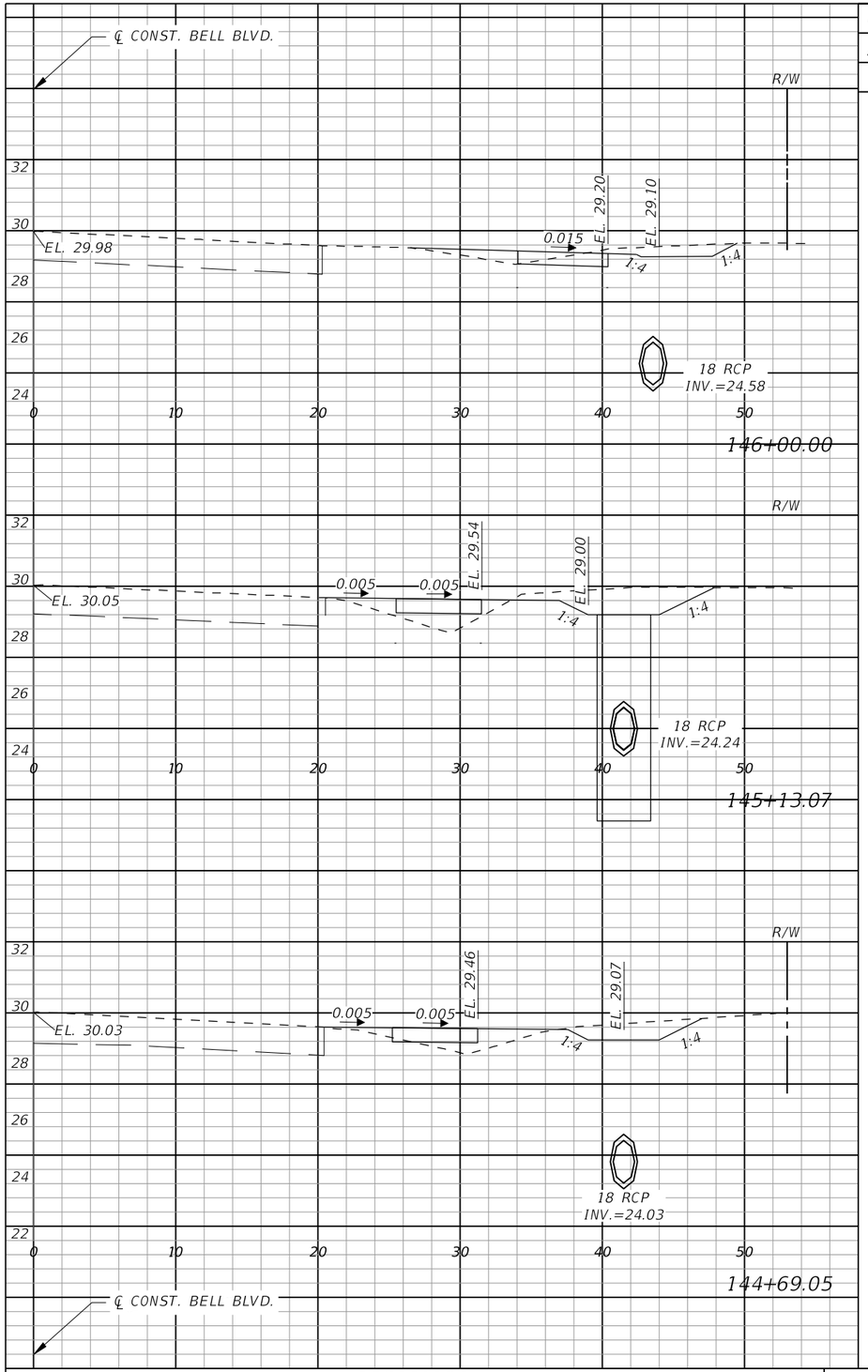
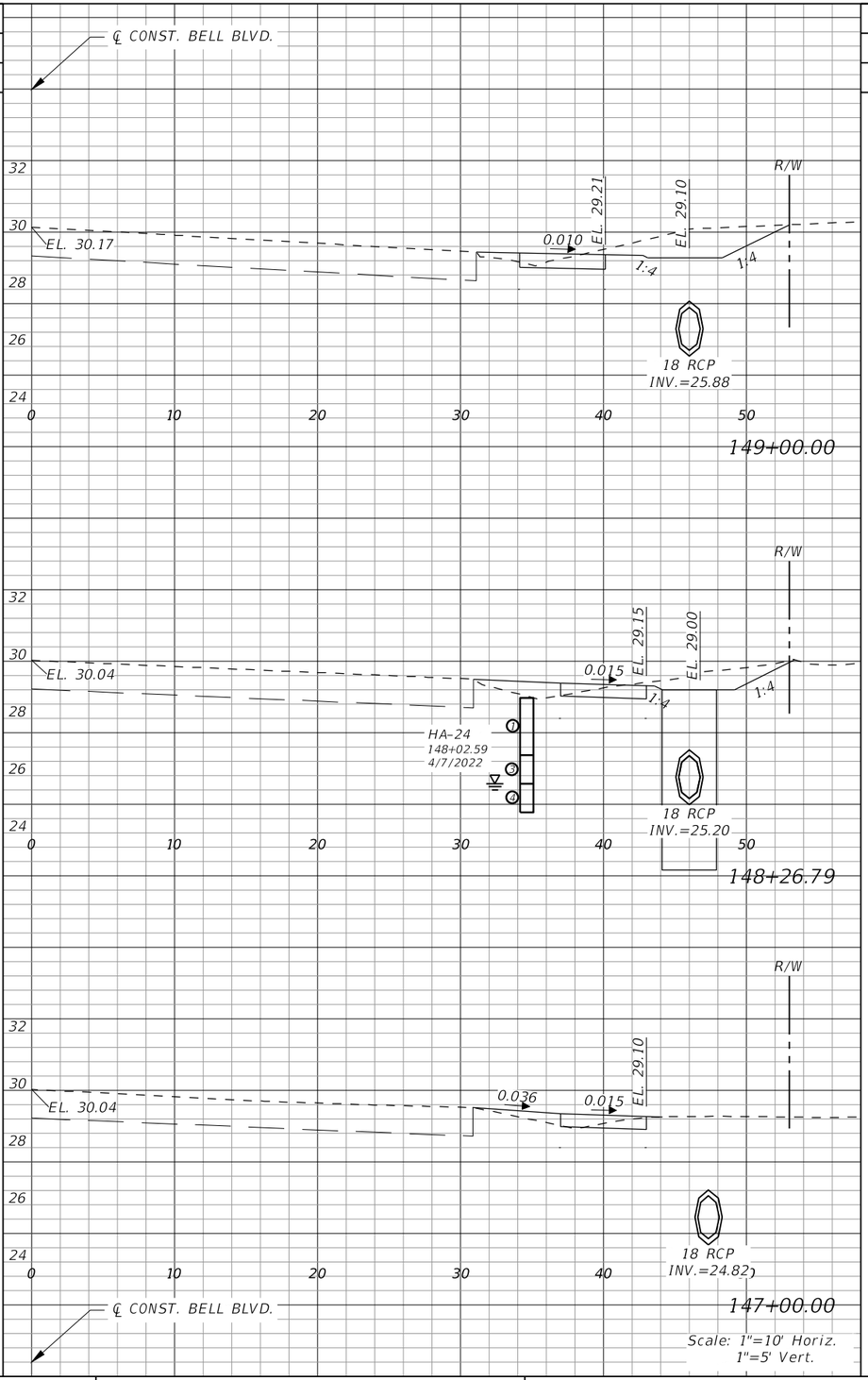
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 99



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	11		6
5		2	
	21		10
9		4	
	10		7
4		4	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	44		1
11		1	
	23		4
6		2	
	17		9
1		1	

Scale: 1"=10' Horiz.
1"=5' Vert.

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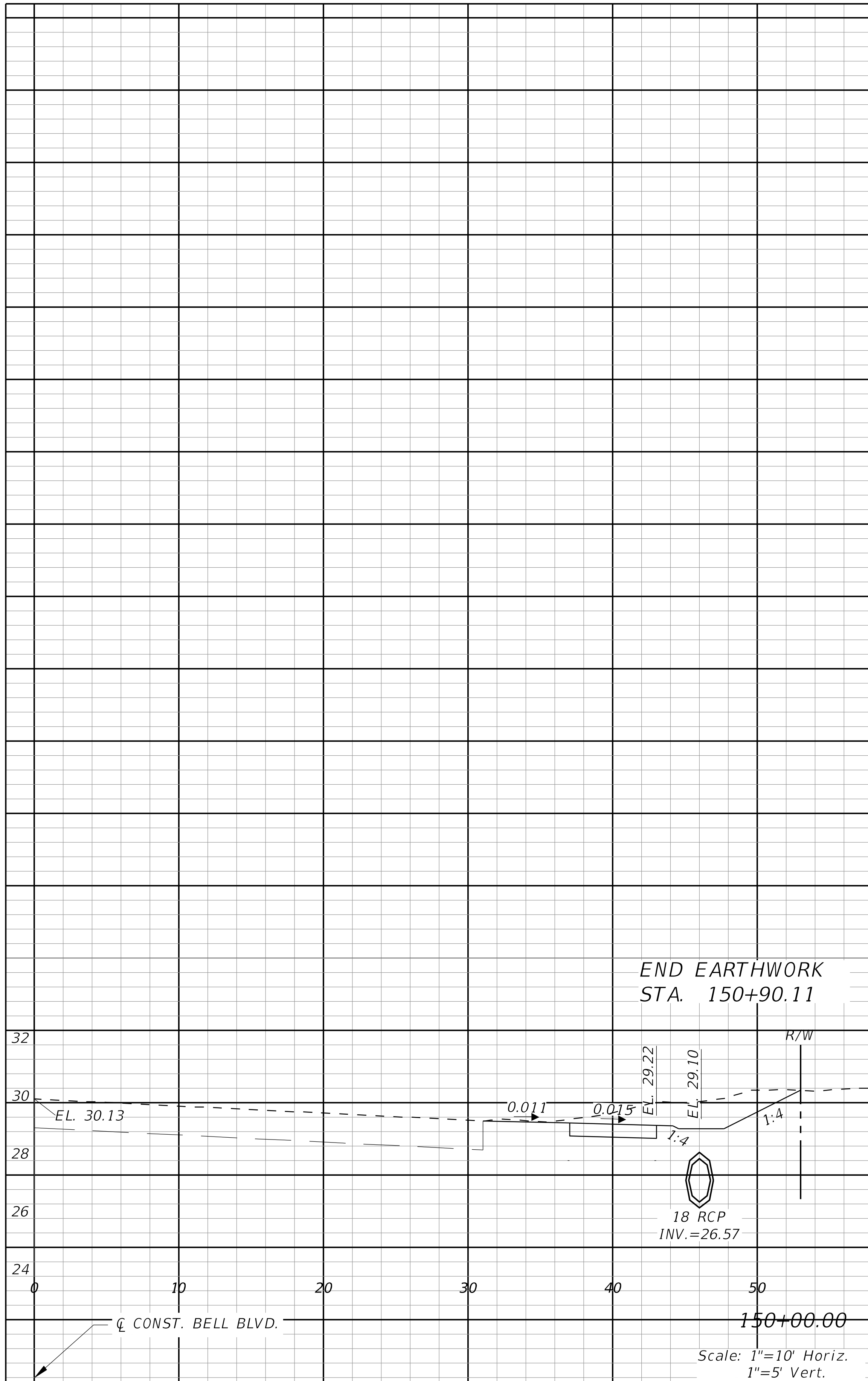
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 100



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	22		0
13		0	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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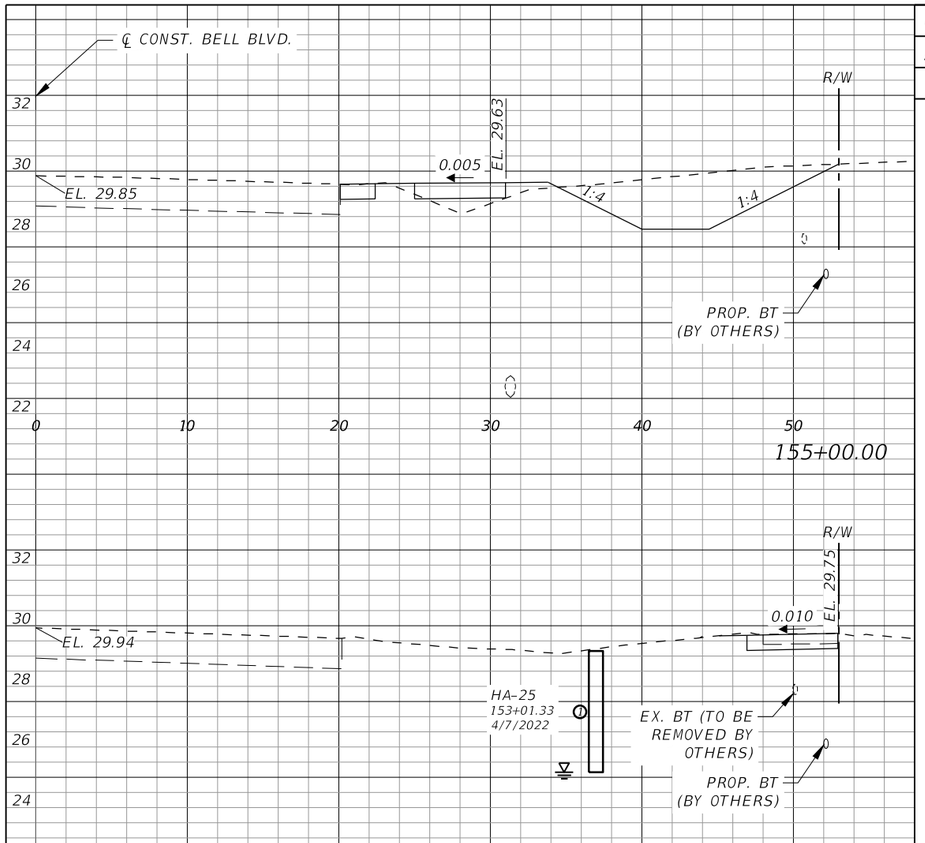
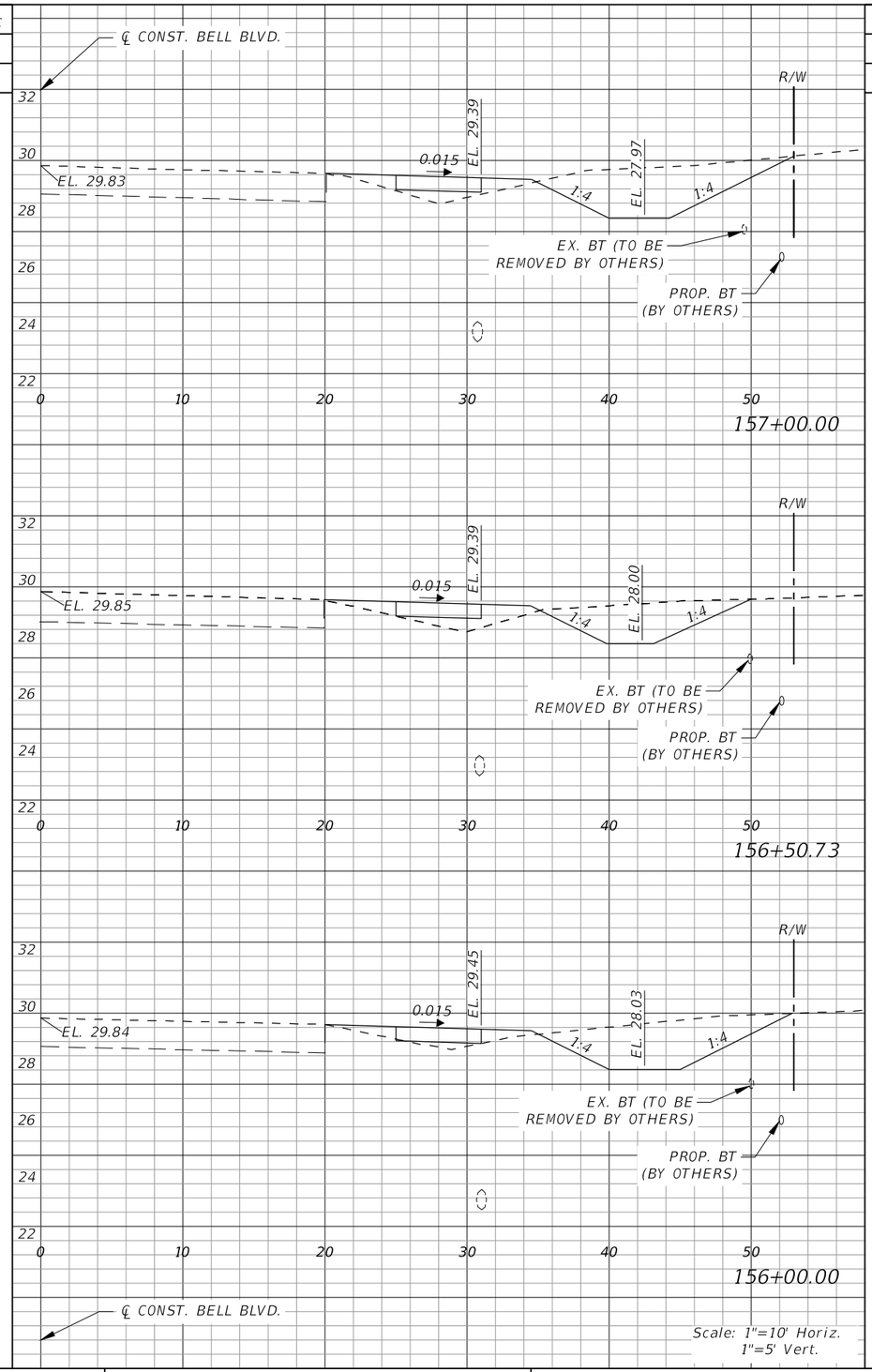
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS
BELL BOULEVARD (RT.)





	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
155+00.00		73		11
	20		3	
		40		7
	1		1	
154+00.00		1		1
BEGIN EARTHWORK STA. 153+95.74	0		0	
157+00.00		78		20
	20		4	
		5		8
156+50.73	13		5	
		30		7
156+00.00	19		3	

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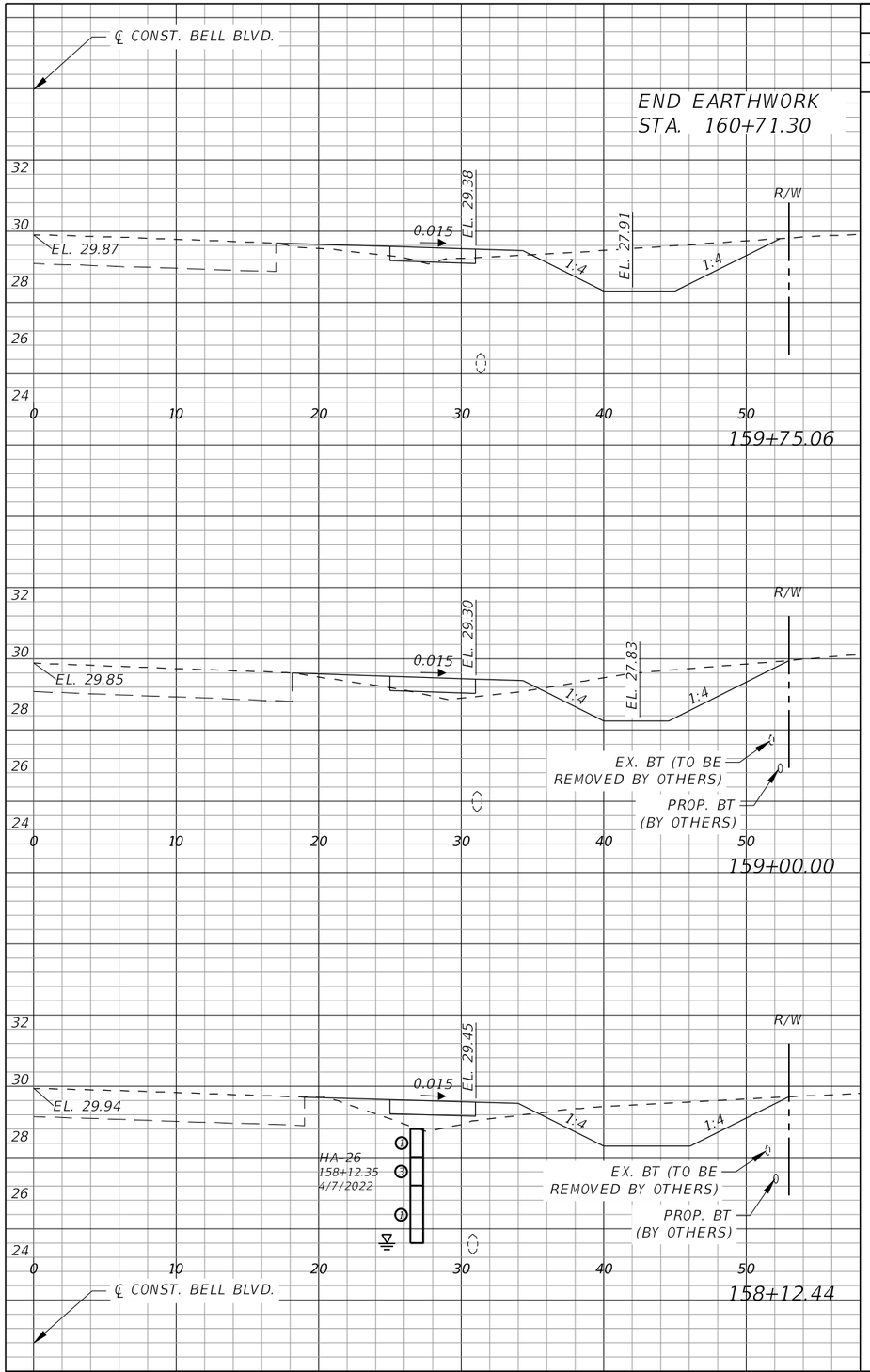
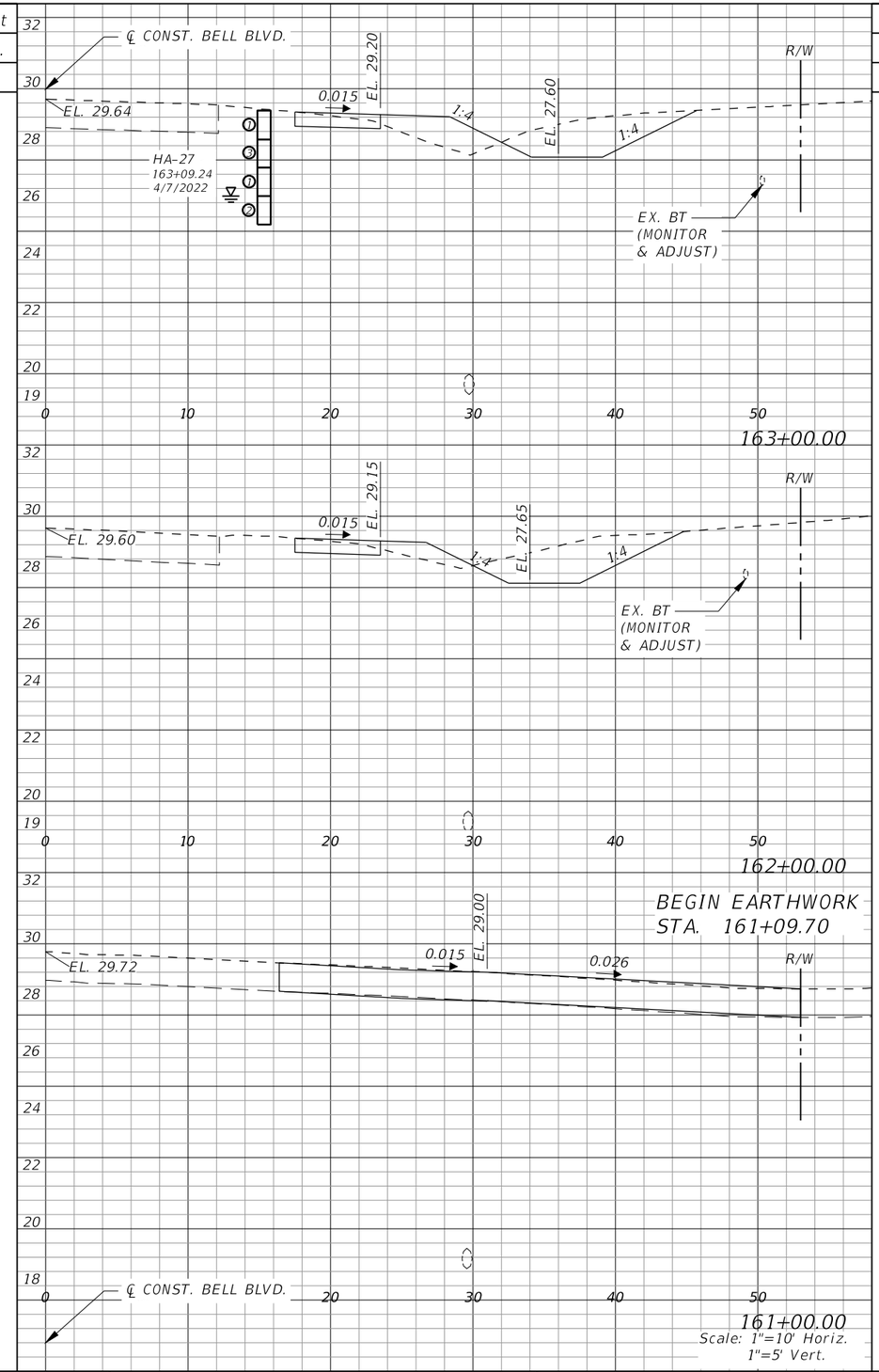
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 102





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	30		4
17		2	
	49		9
18		4	
	58		16
18		6	
13		6	
	25		14
14		3	
	23		5
0		0	
	48		17

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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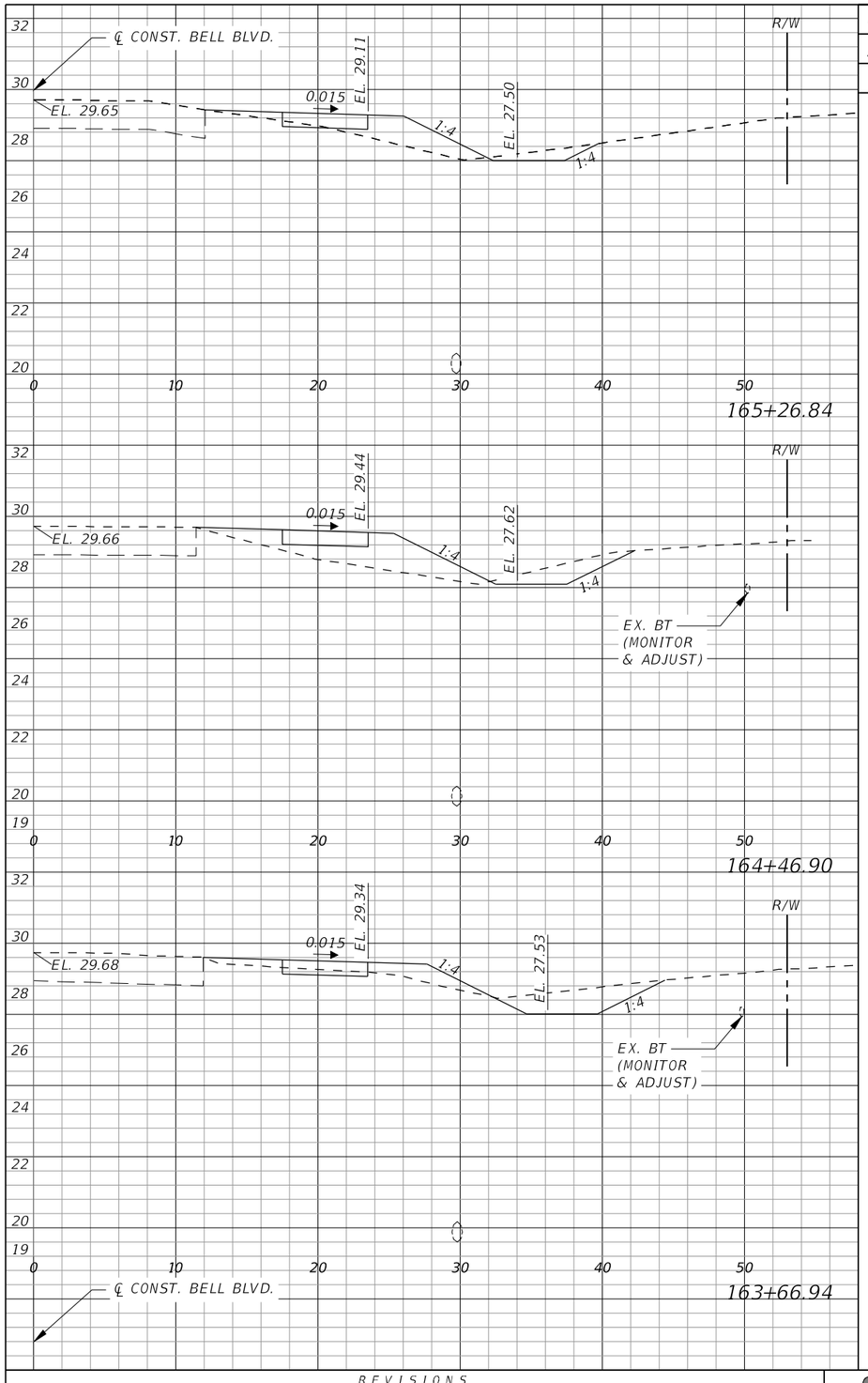
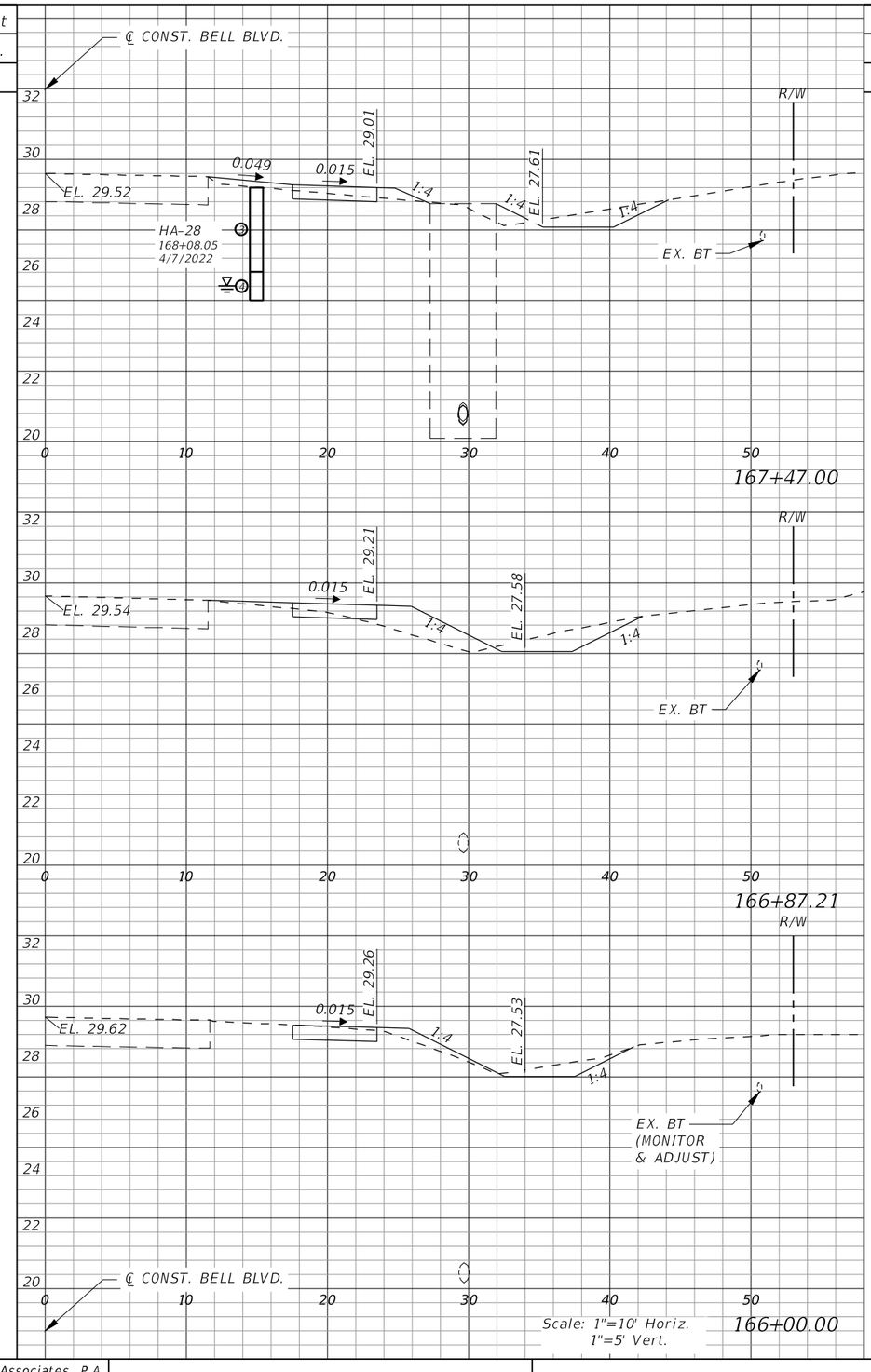
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 103



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		12
2		7	
	10		29
4		13	
	18		26
8		5	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	4		13
4		3	
	11		10
7		7	
	15		14
3		2	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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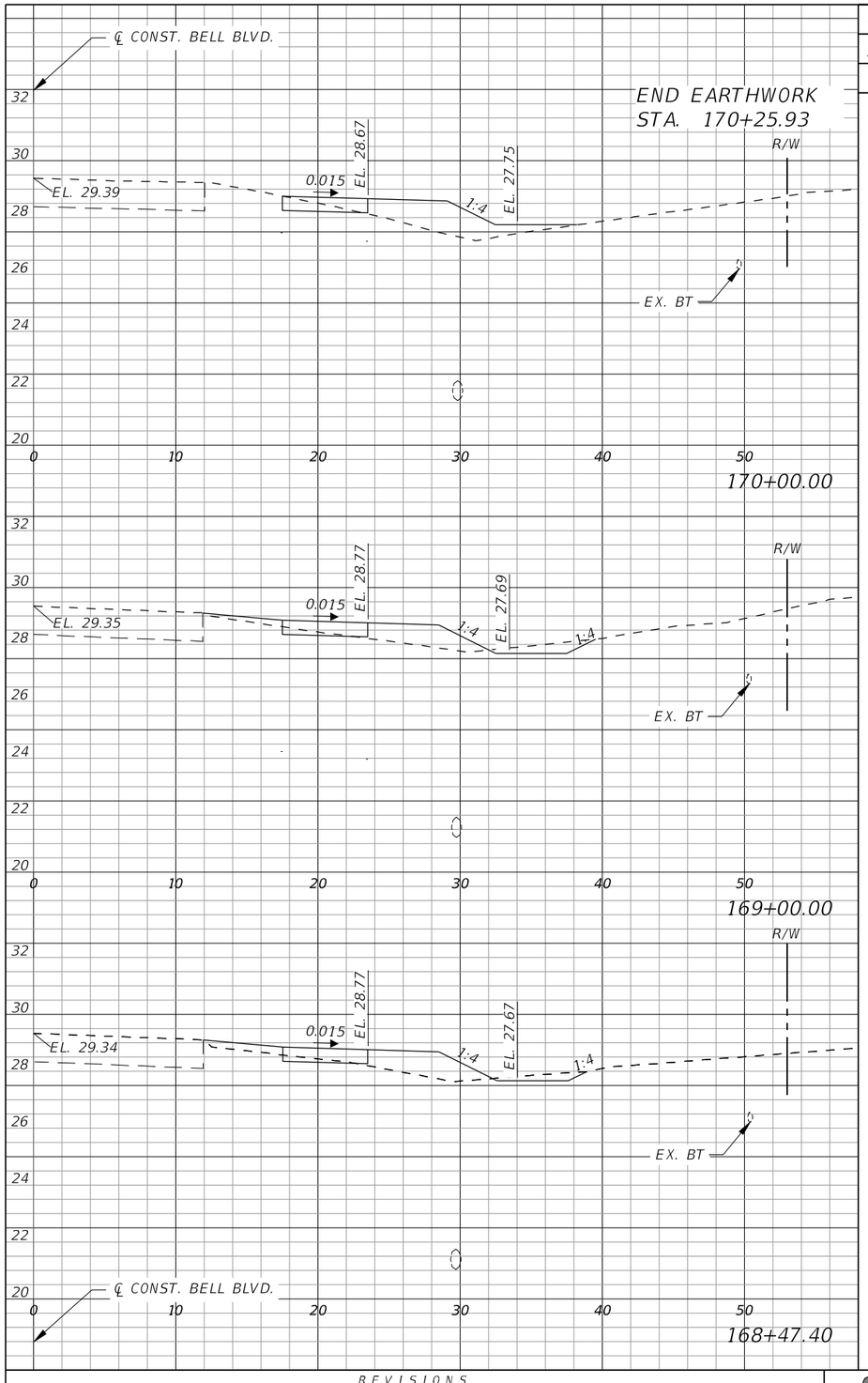
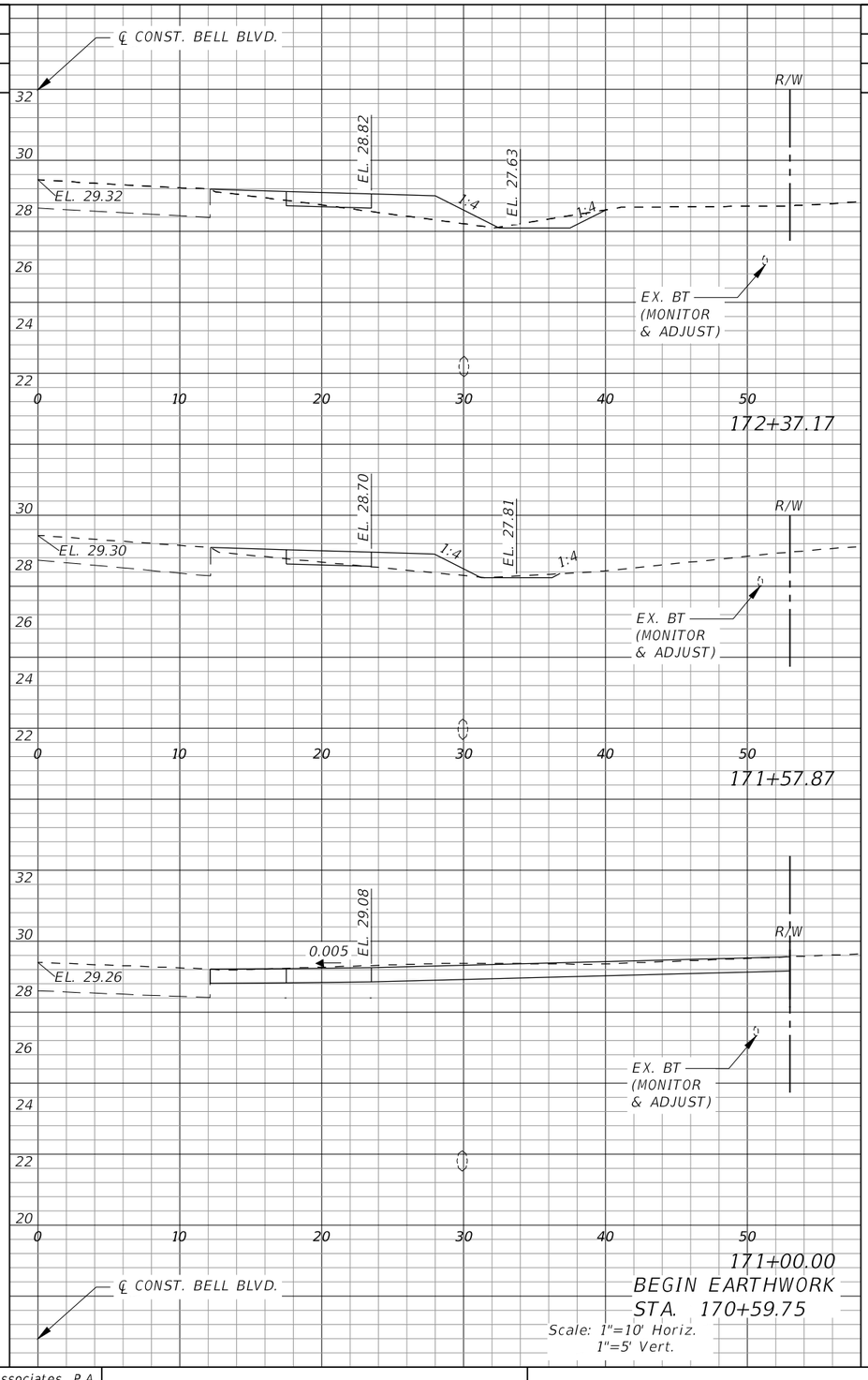
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 104





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	1		4
1		9	
	7		27
2		6	
	4		13
2		7	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
2	7	6	11
	5		18
1		6	
	1		6
0		0	
	0		0
0		0	

Scale: 1"=10' Horiz.
1"=5' Vert.

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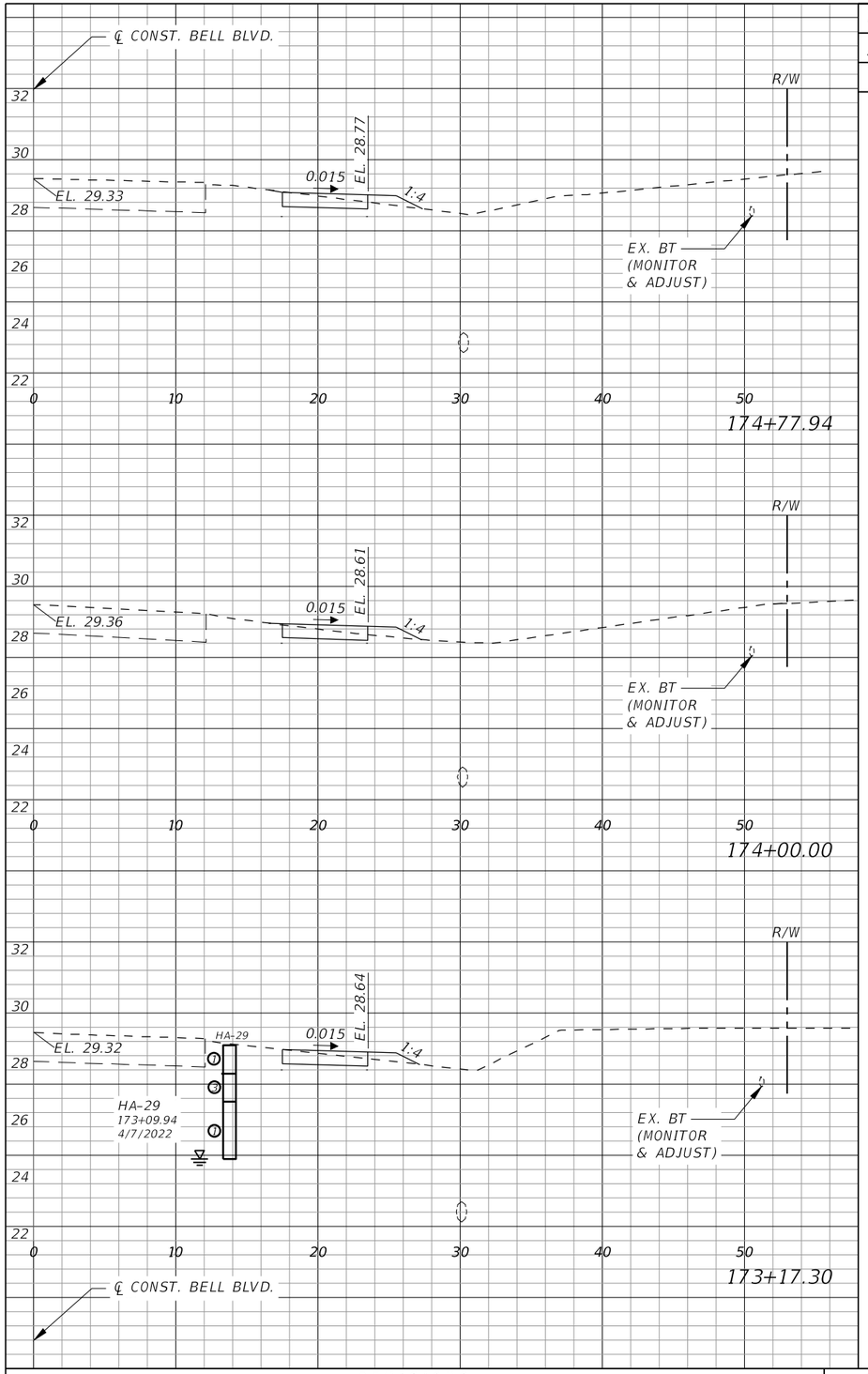
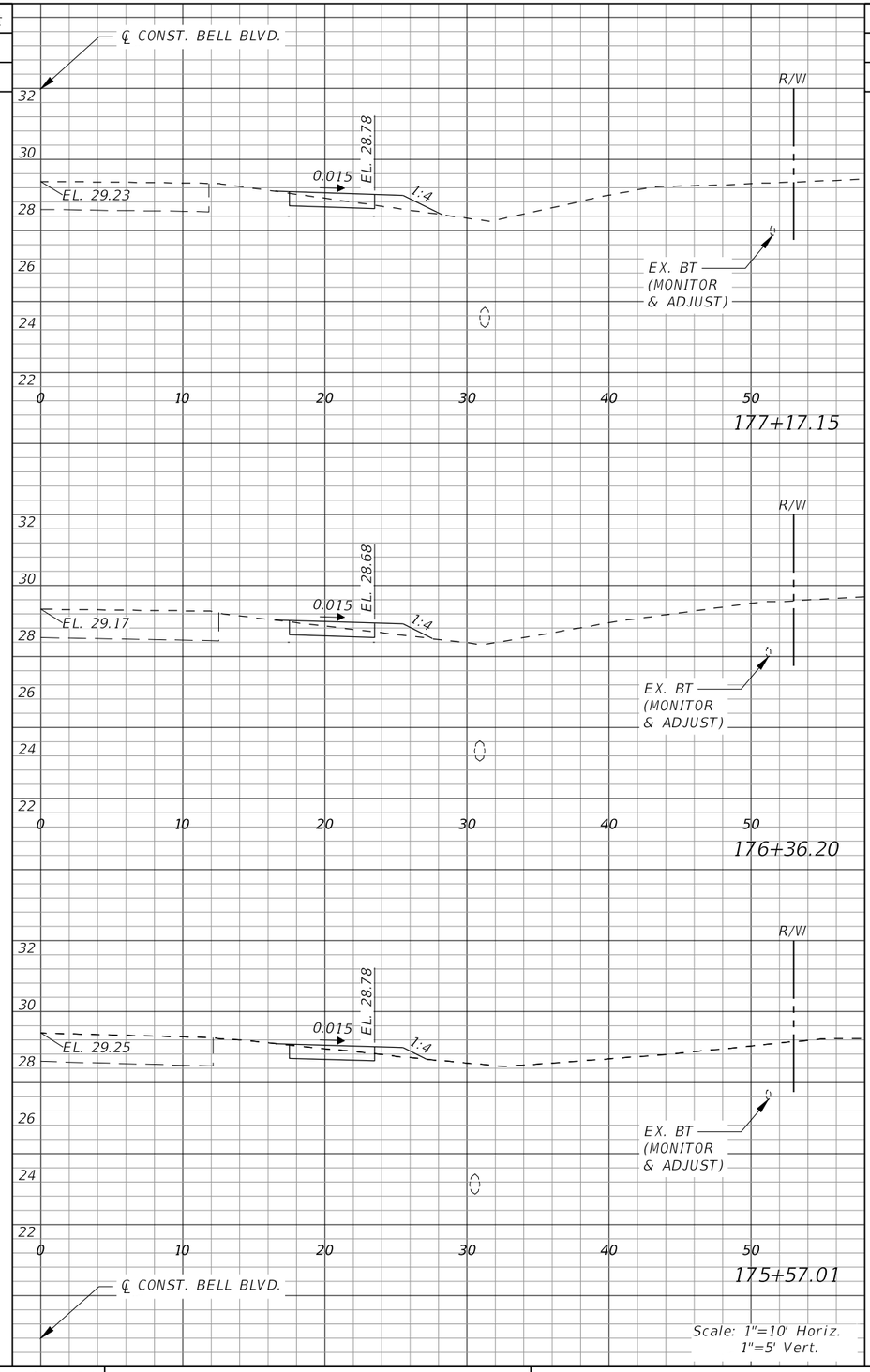
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 105





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		3
2		1	
	6		3
	6		3
2		1	
	6		3
2		1	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	5		6
2		2	
	5		4
	6		3
2		1	
2		1	

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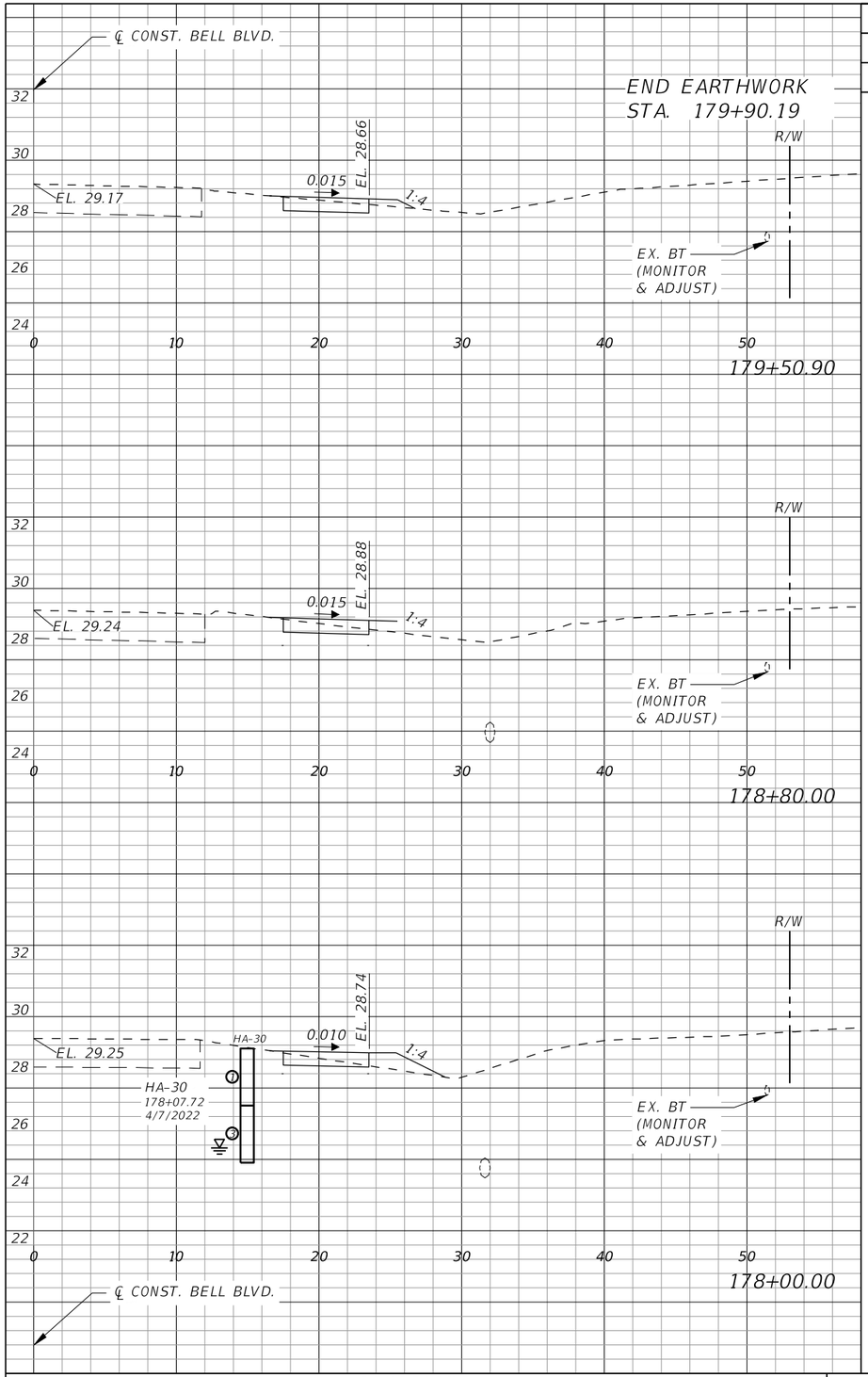
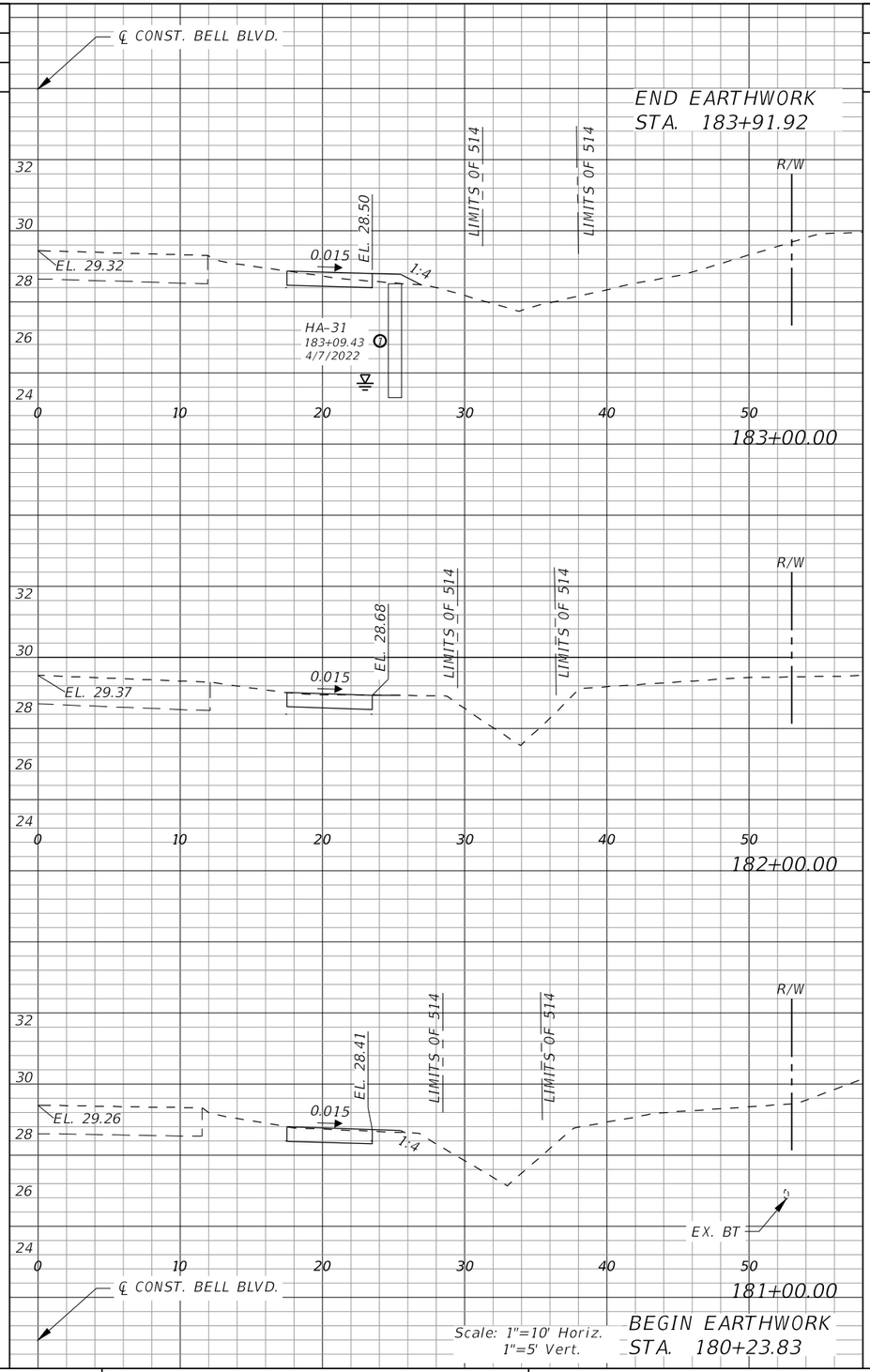
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 106





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	2		0
2		1	
	6		3
2		1	
	6		3
1		2	
0		0	
	4		1
2		1	
	9		2
3		0	
	10		2
3		1	
0	4	0	1

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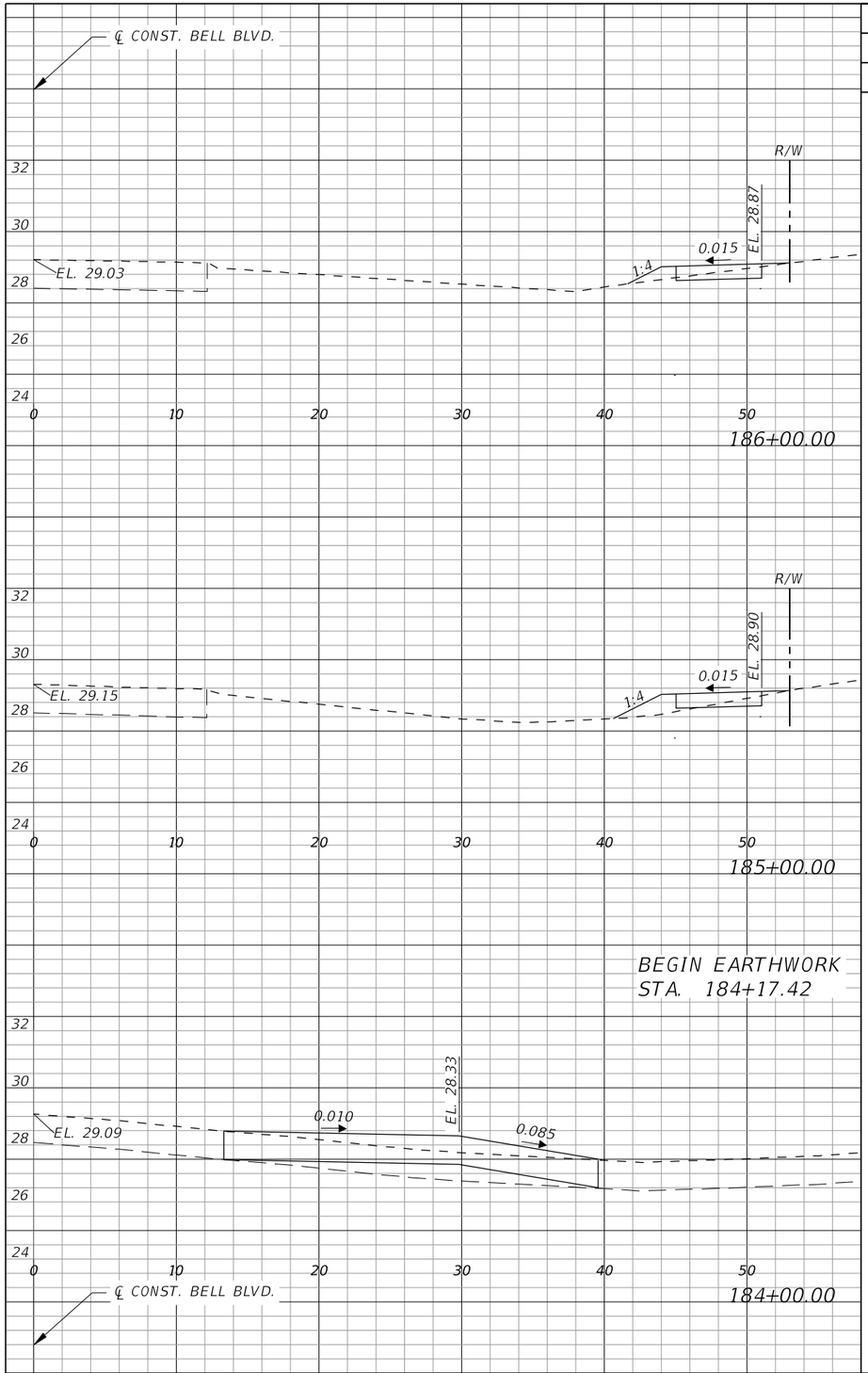
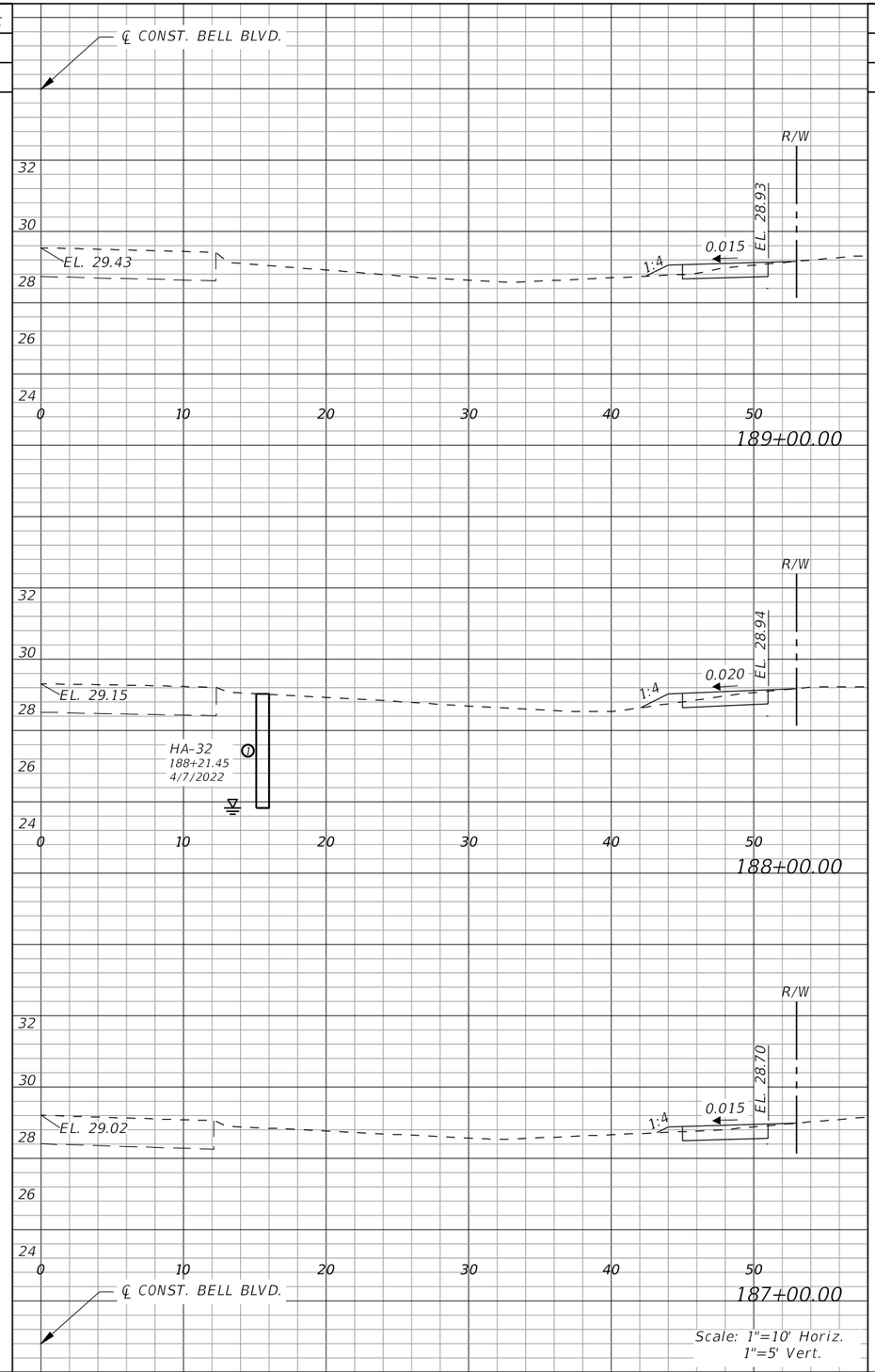
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS
BELL BOULEVARD (RT.)

SHEET NO. 107



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		4
2		1	
	4		6
1		2	
	1		3
0		0	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	8		3
2		1	
	7		3
2		1	
	8		3
2		1	

REVISIONS			
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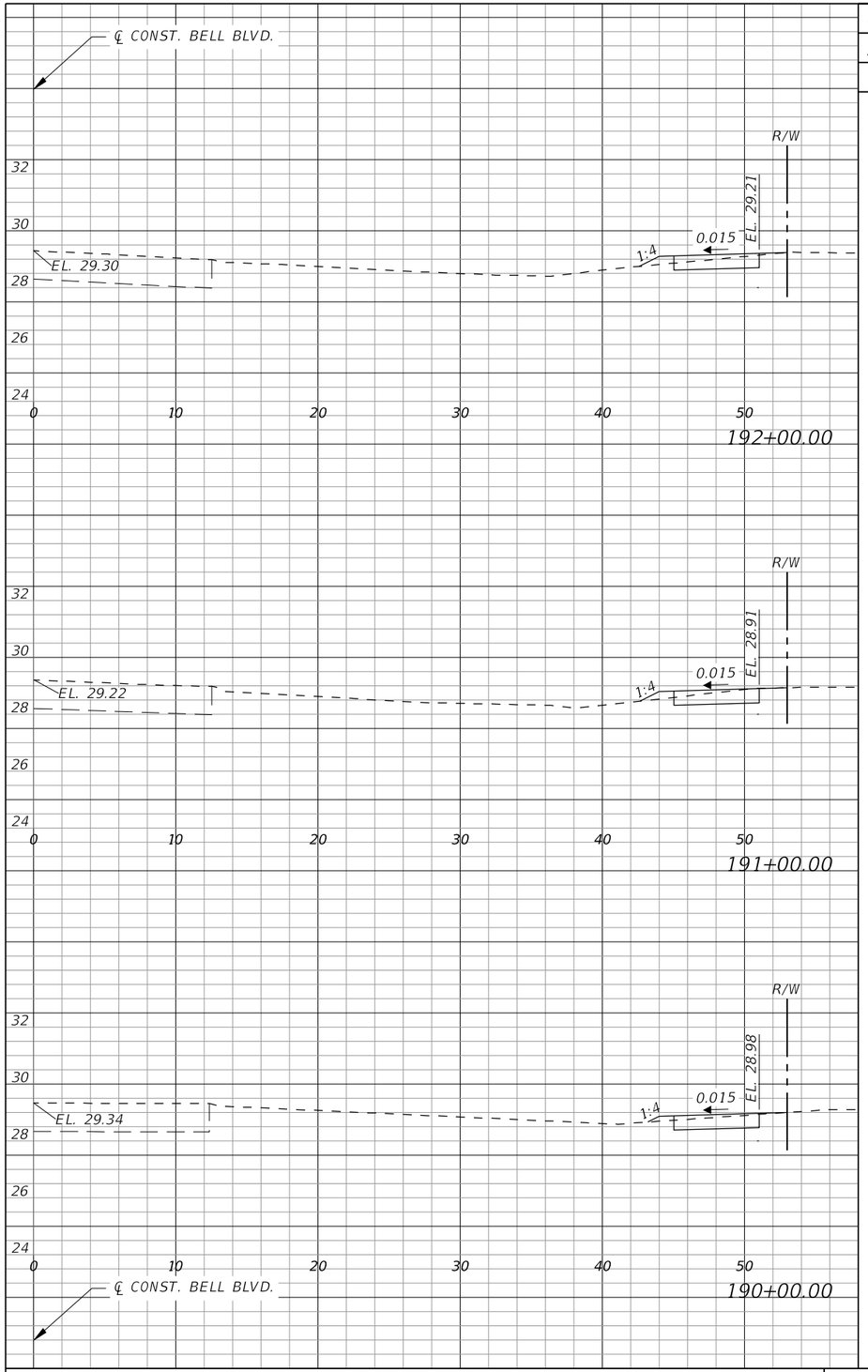
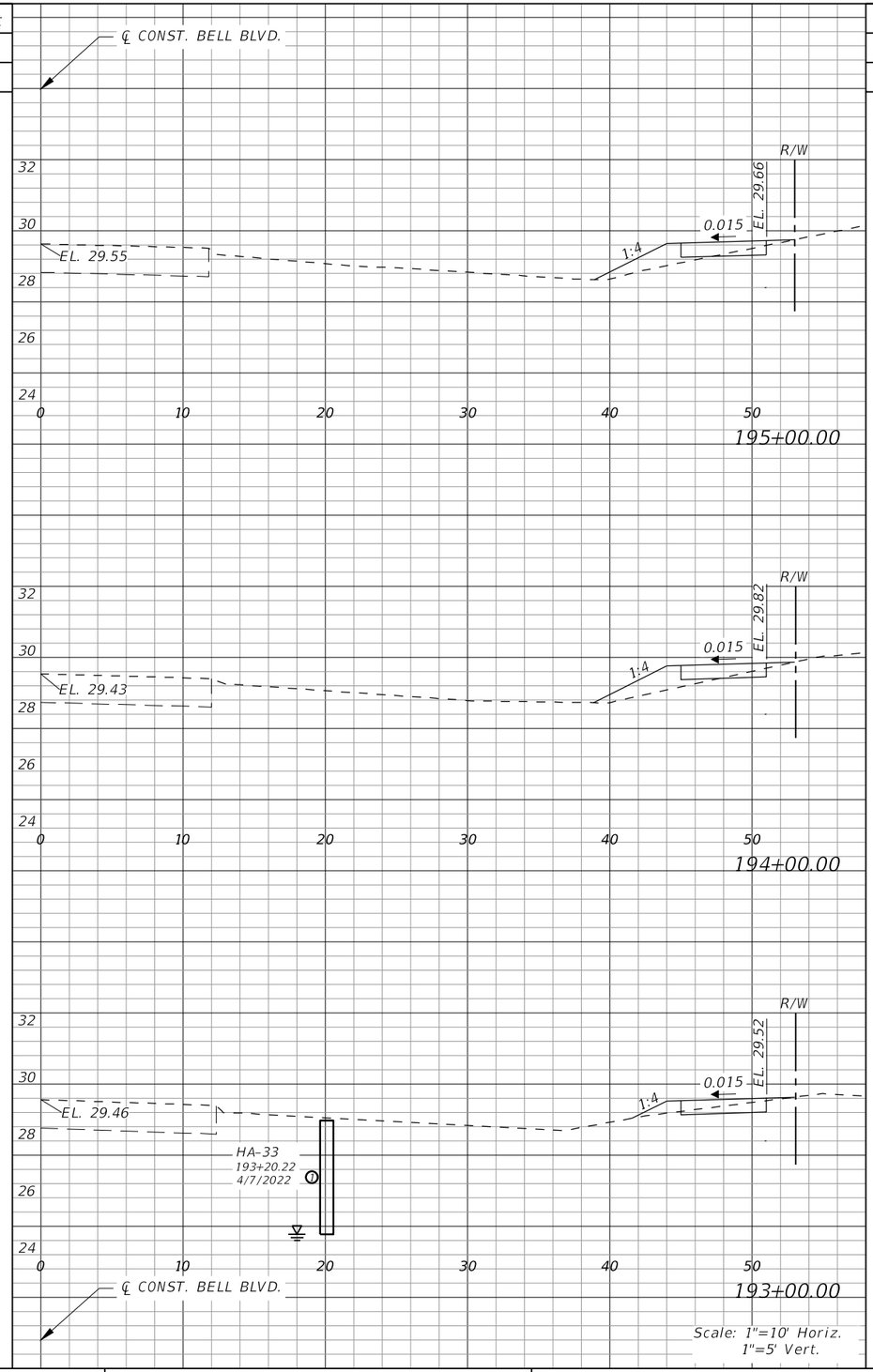
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 108





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	7		3
2		1	
	5		8
	9		4
2		1	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	3		10
1		3	
	2		13
	4		9
2		1	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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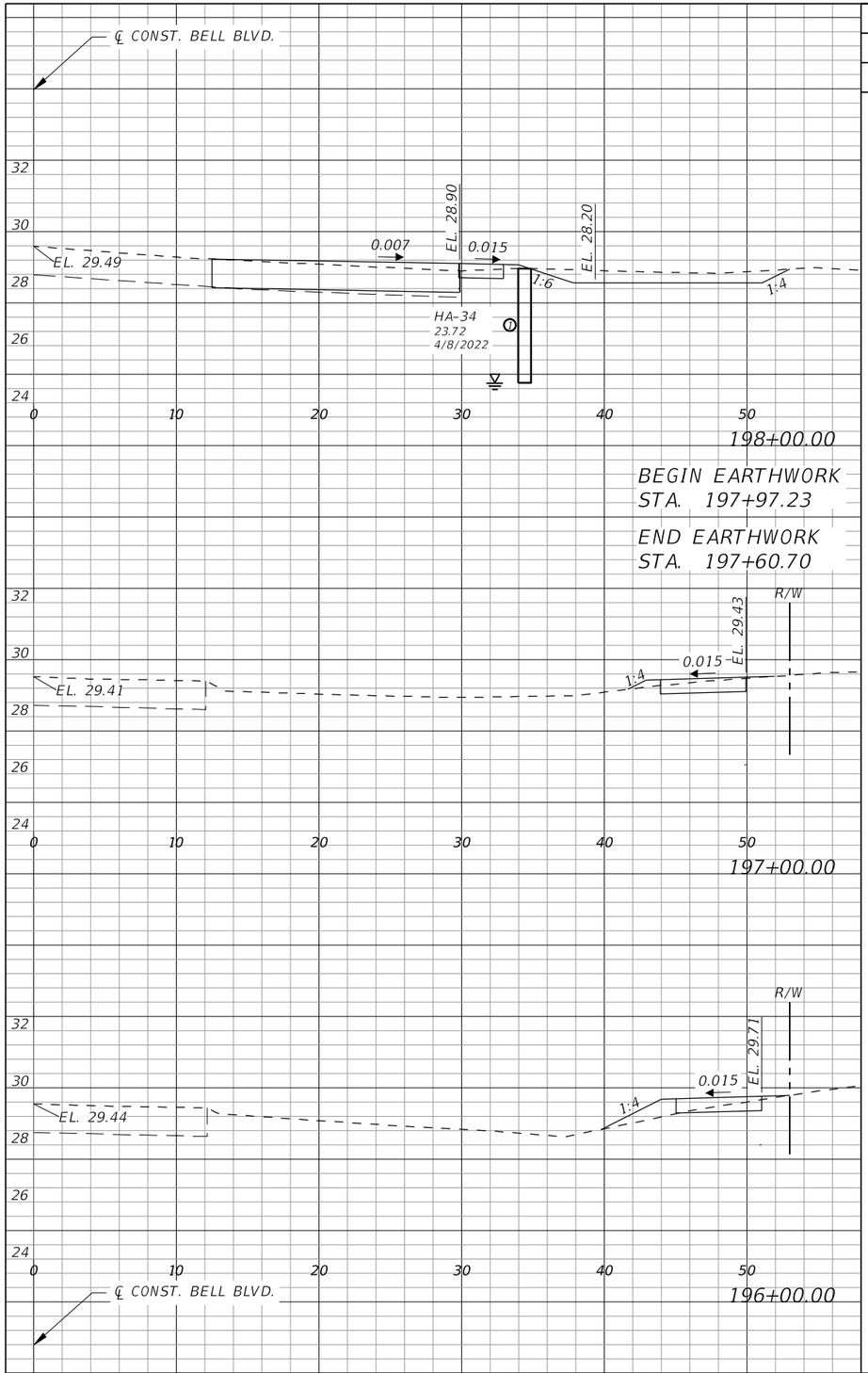
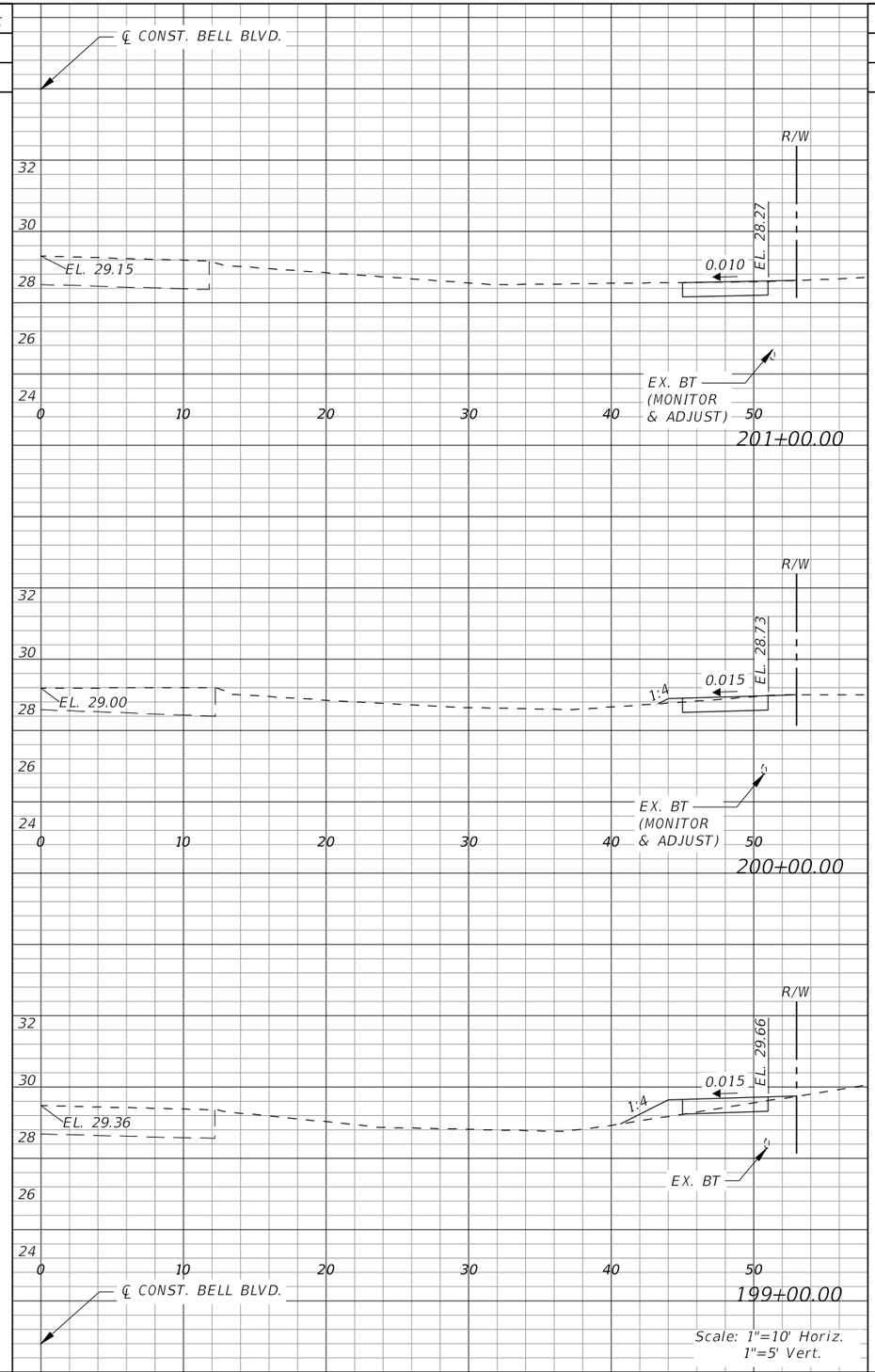
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 109





	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
198+00.00		16		5
	7		1	
		0		0
BEGIN EARTHWORK STA. 197+97.23	0		0	
END EARTHWORK STA. 197+60.70	0		0	
		3		1
197+00.00	2		1	
		7		6
196+00.00	1		2	

	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
201+00.00	3	9	1	3
		10		4
200+00.00	3		1	
		7		5
199+00.00	1		2	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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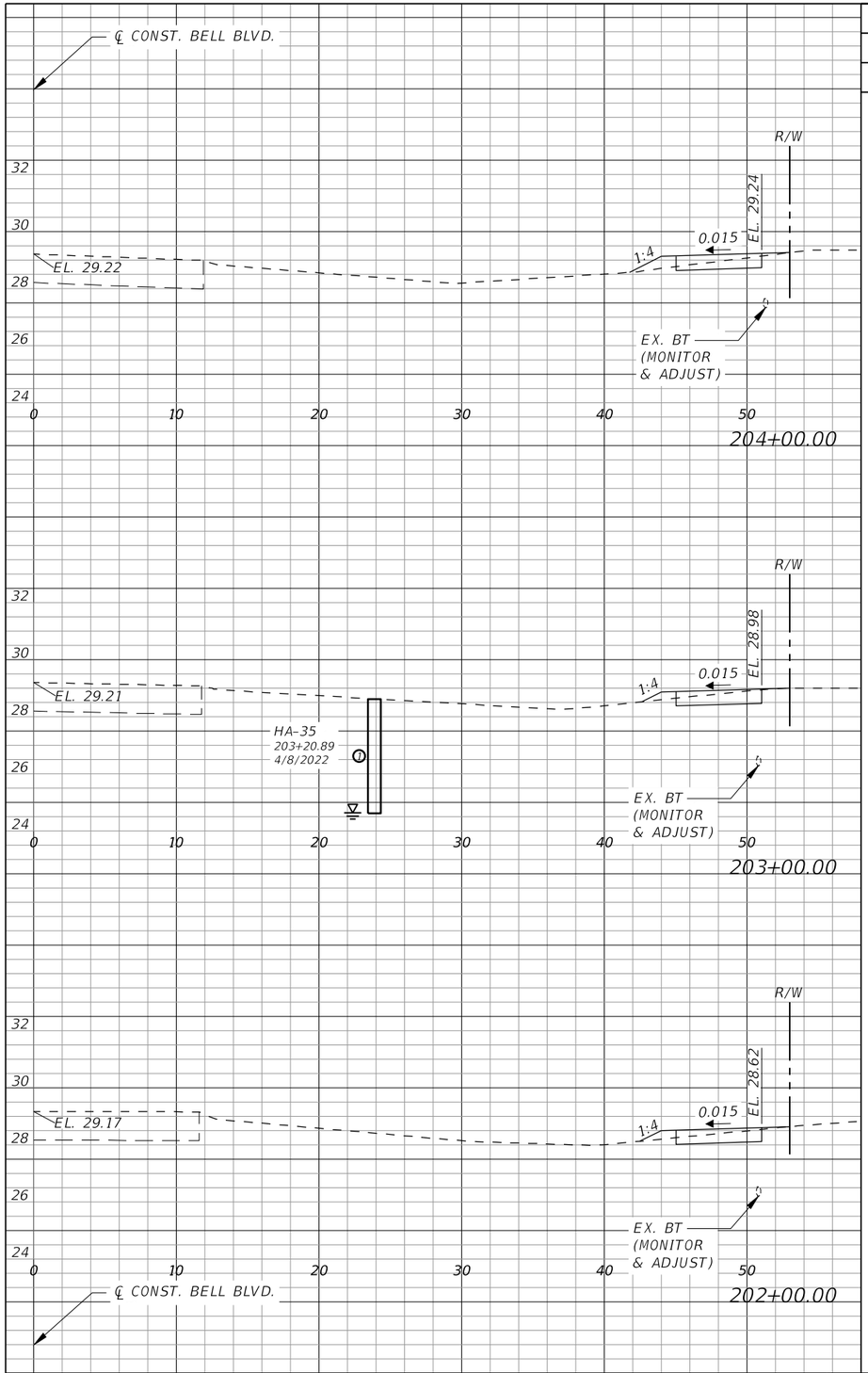
R. DANIEL FLYNN, P.E. NO. 76205

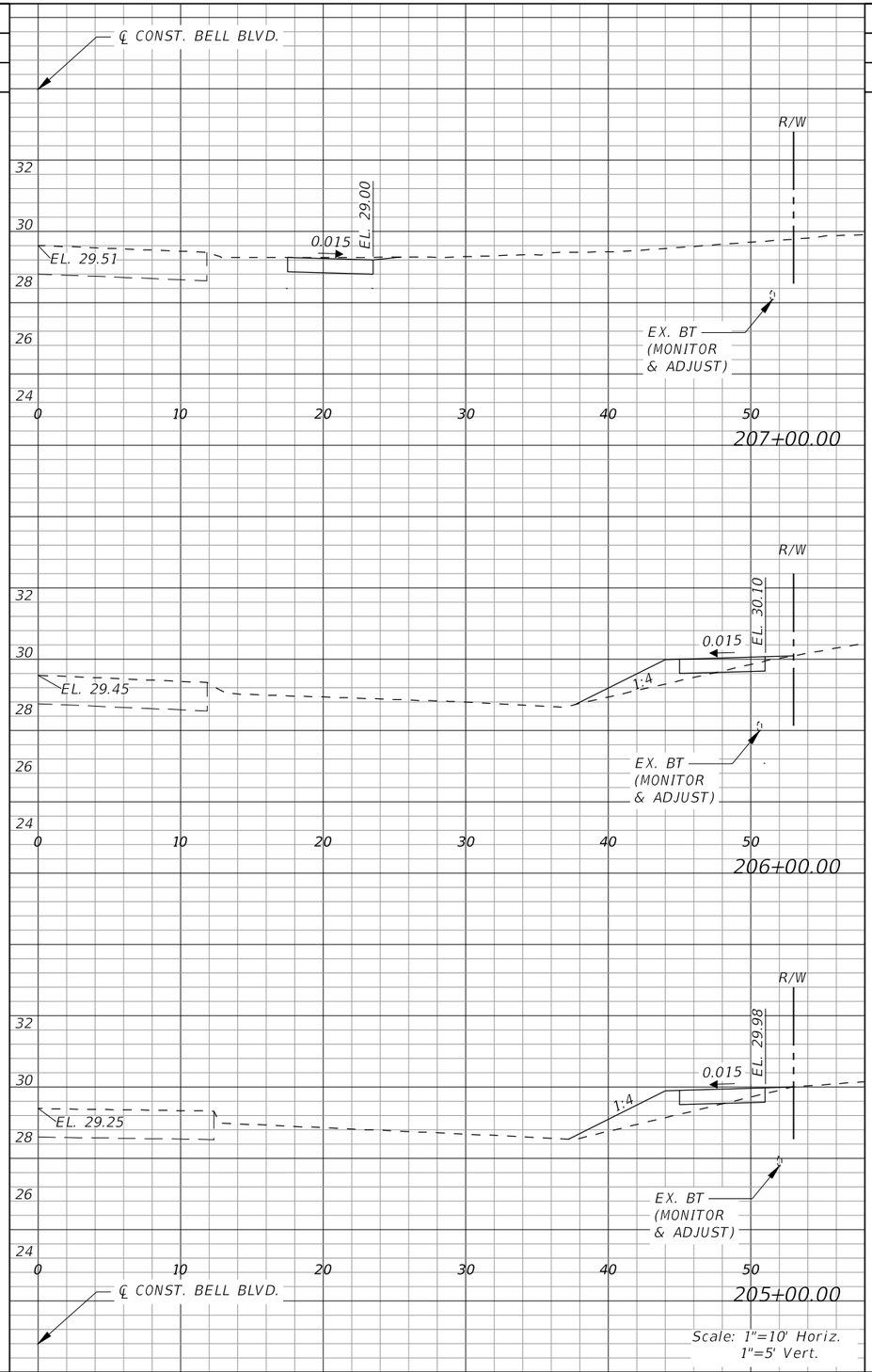
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 110





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	5		11
	7		4
	8		3
	2		1
2		1	
	6		1
	7		7
	3		17
	1		4
3		0	
	1		5

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
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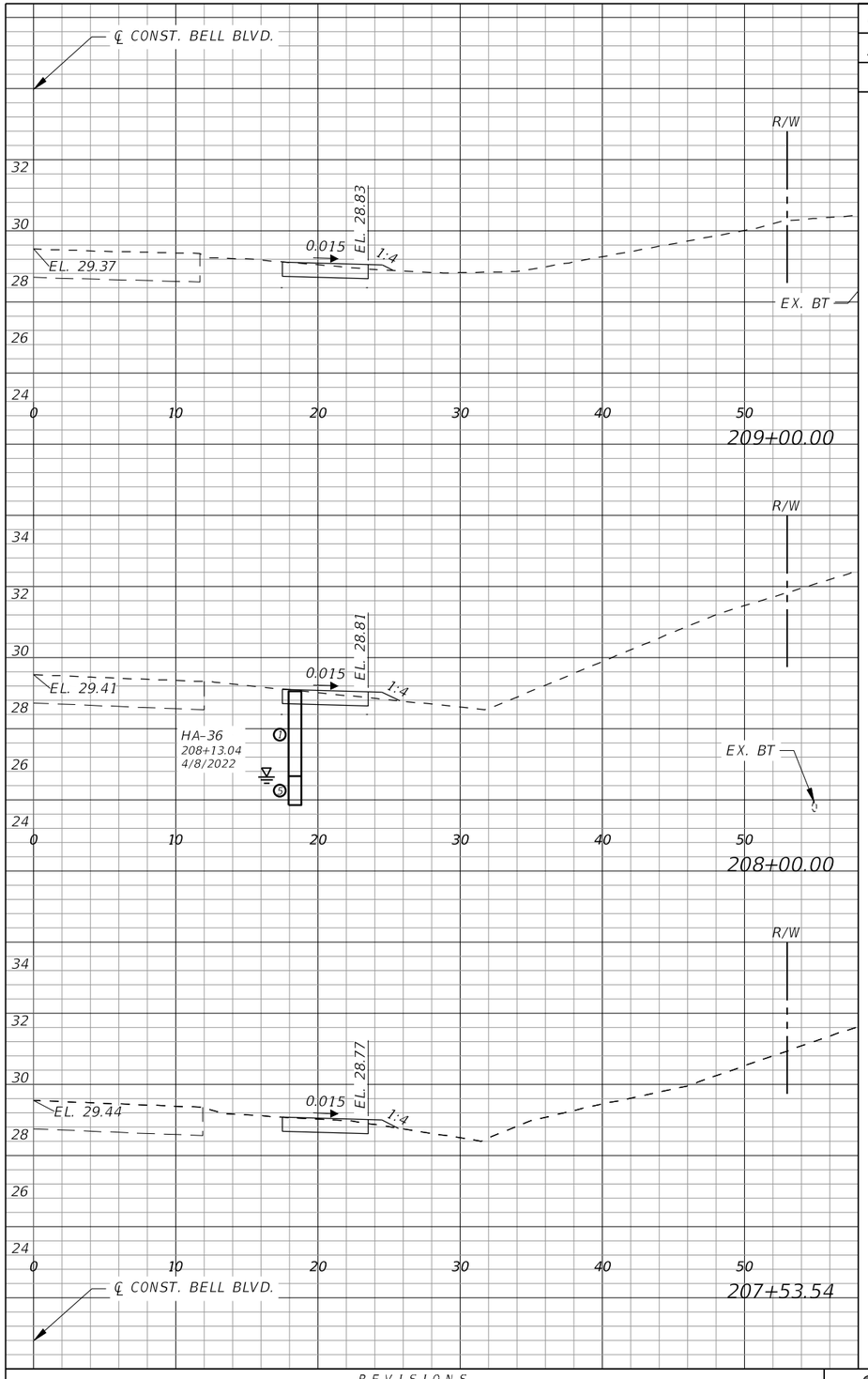
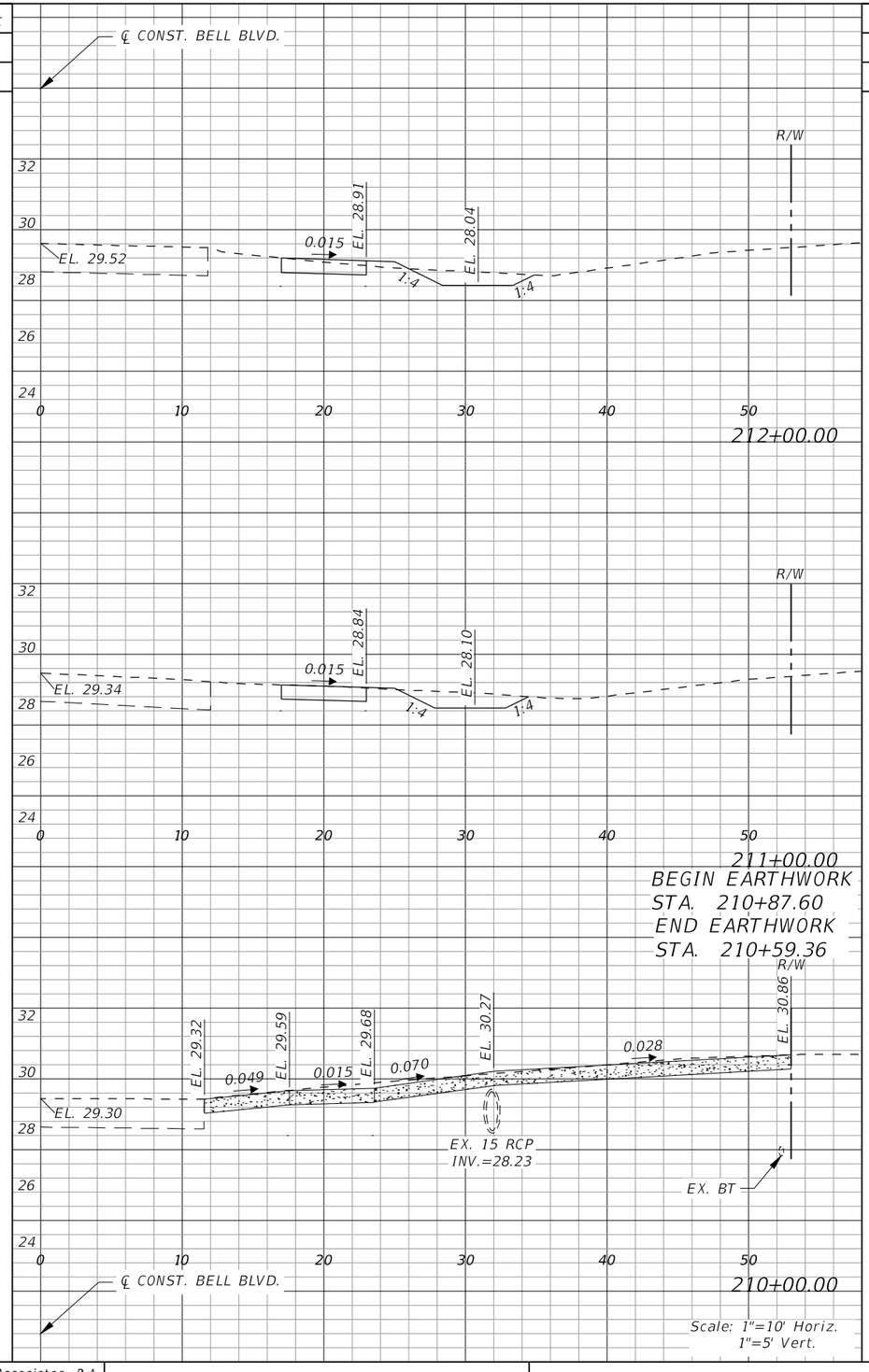
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS
BELL BOULEVARD (RT.)

SHEET NO. 111





	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
209+00.00	3	7	1	2
		10		4
208+00.00	3	6	1	1
207+53.54	3		1	

	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
212+00.00	6	25	1	1
		23		3
211+00.00	7	2	1	0
BEGIN EARTHWORK STA. 210+87.60	0		0	
END EARTHWORK STA. 210+59.36	0		0	
		1		0
210+00.00	1	0		

Scale: 1"=10' Horiz.
1"=5' Vert.

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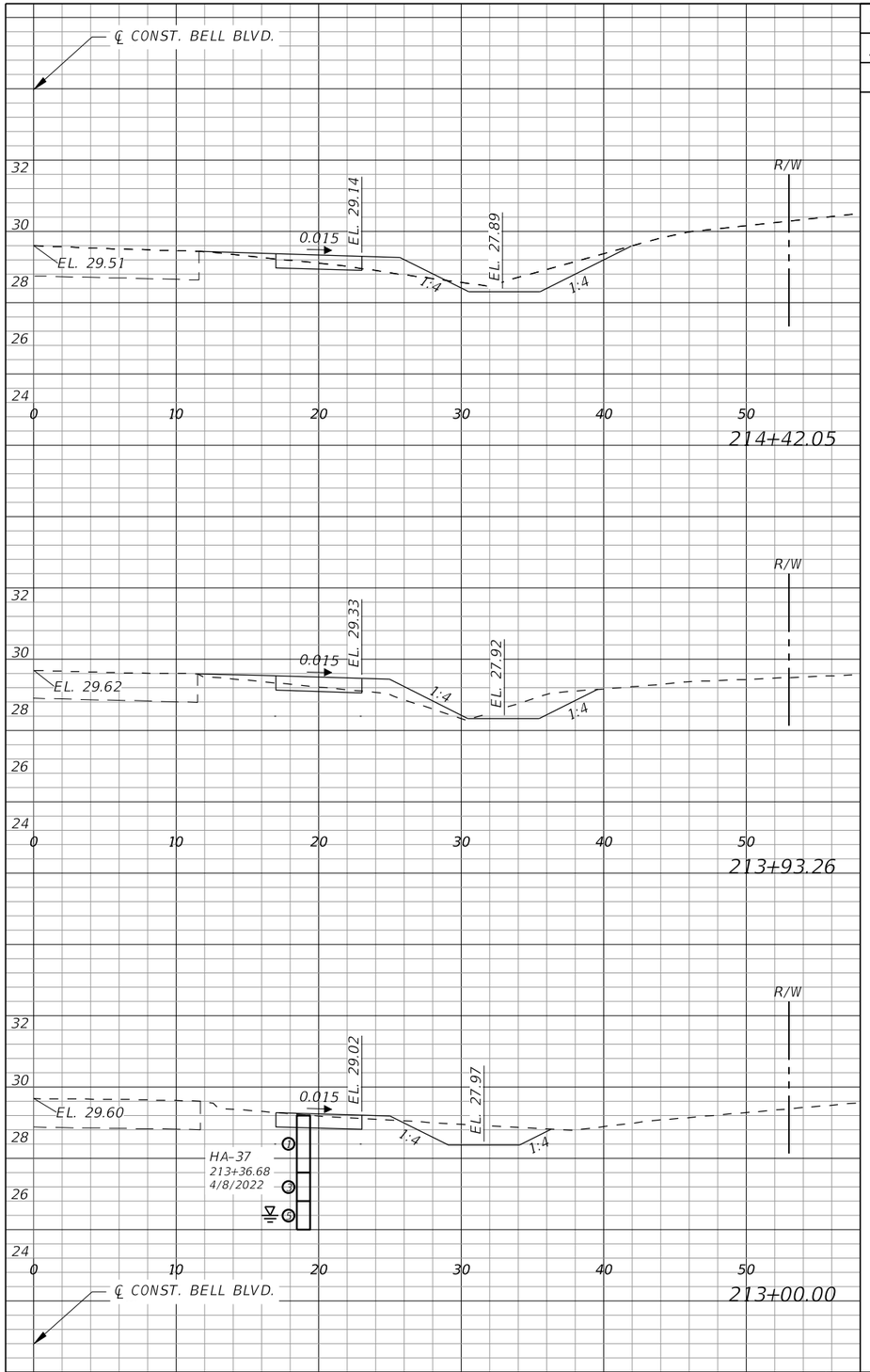
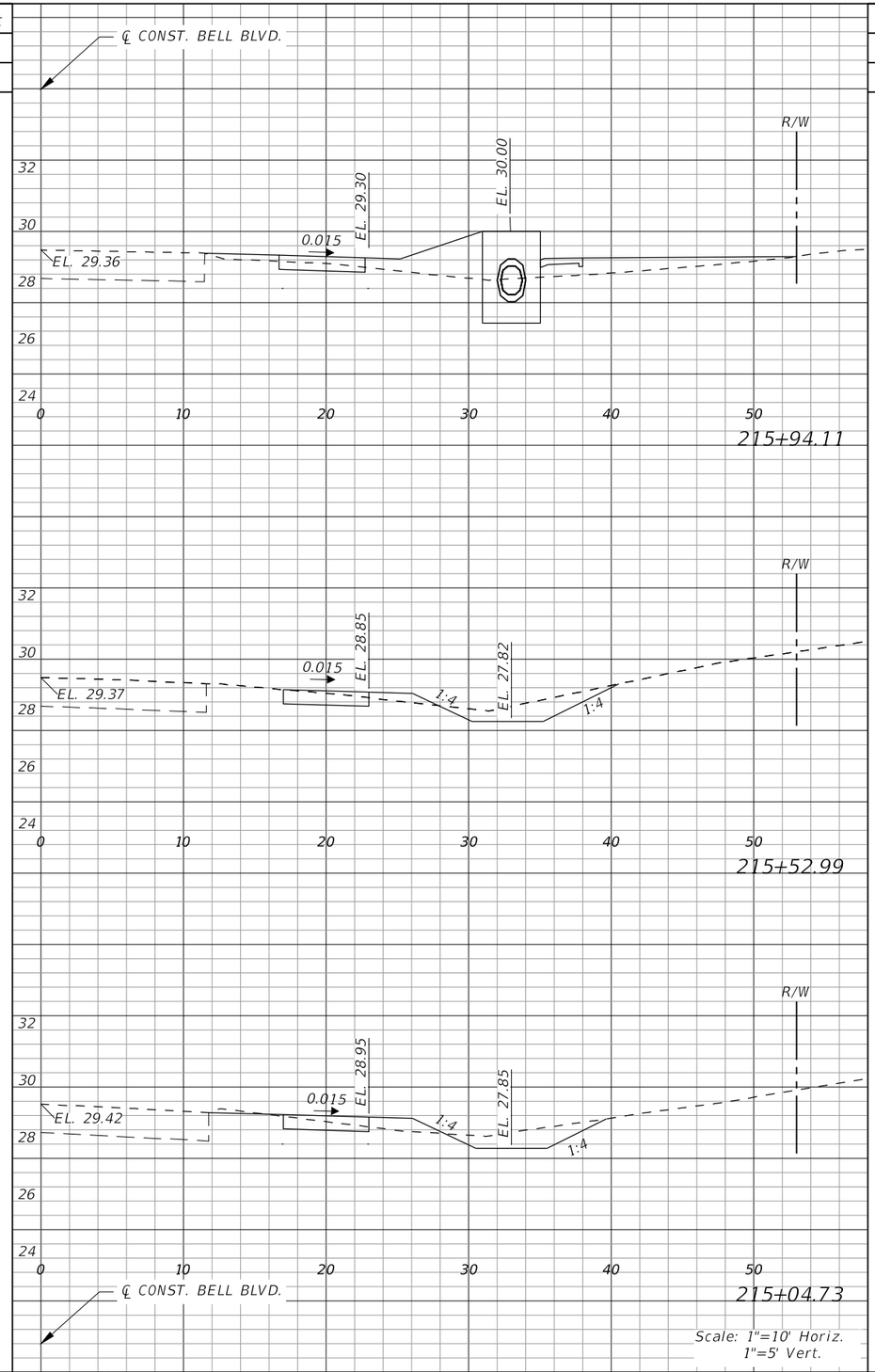
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 112





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	14		6
6		3	
	9		6
5		3	
	22		8
8		1	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	2		21
1		15	
	10		3
8		1	
	13		3
7		2	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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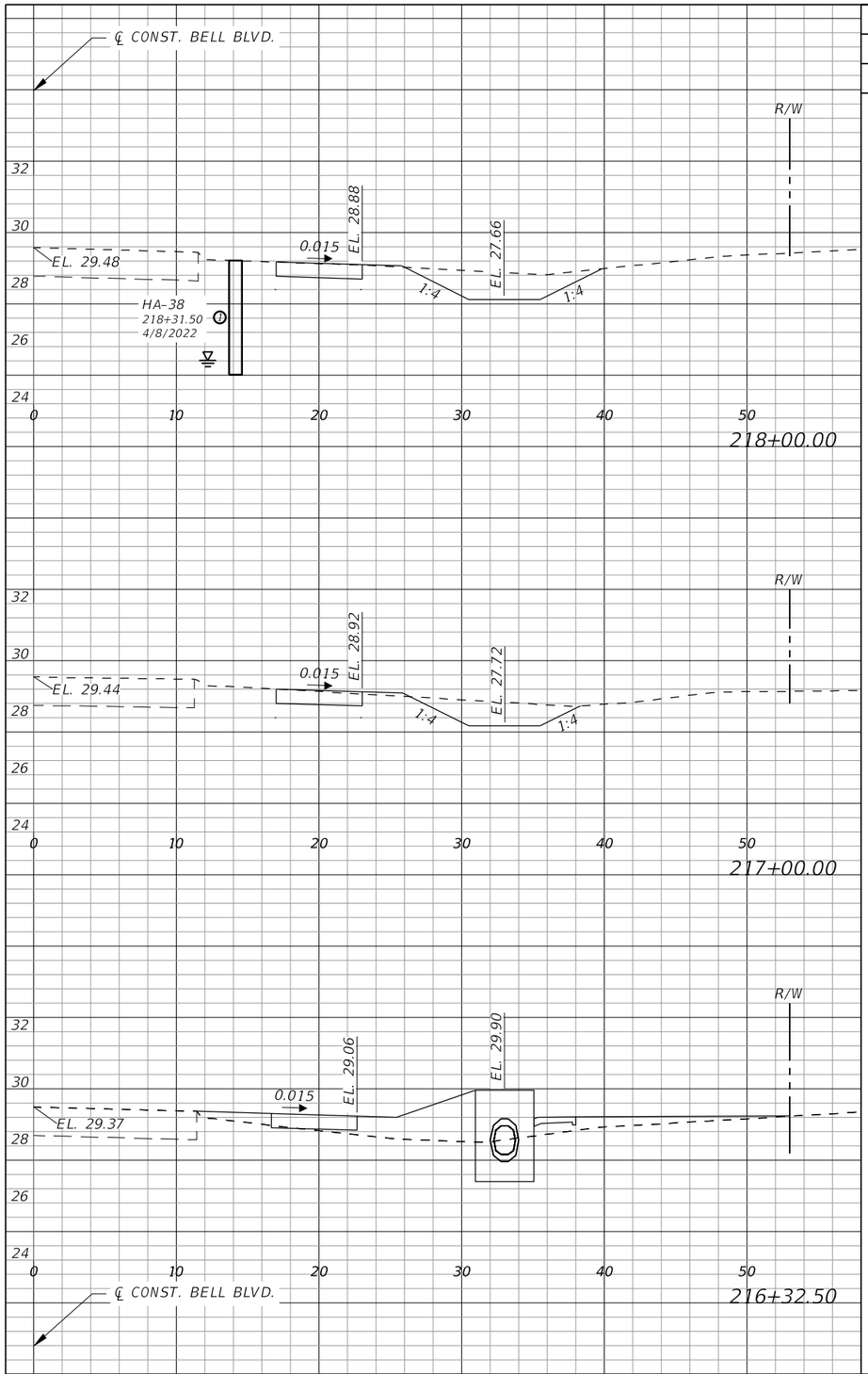
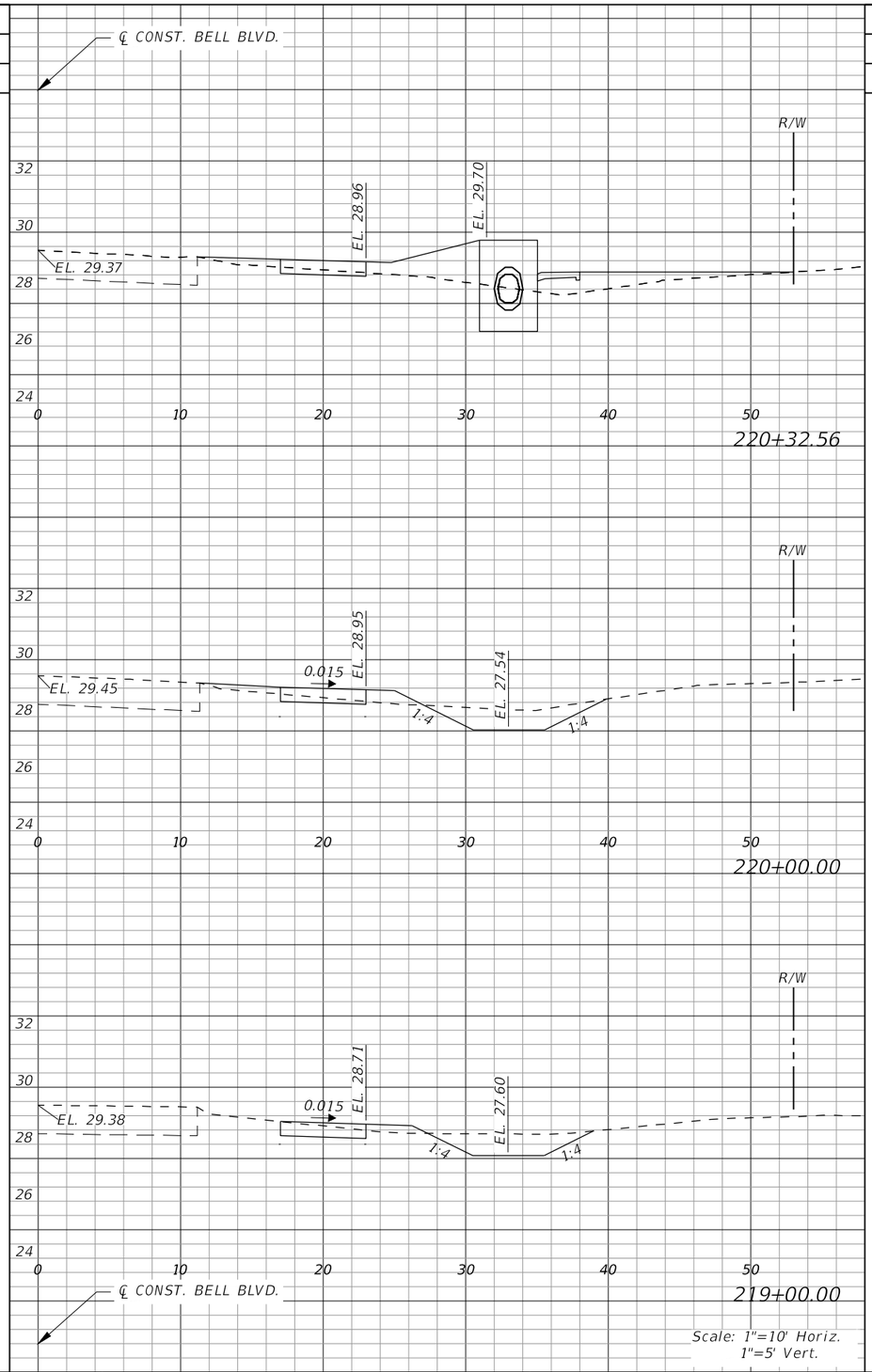
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 113





	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
218+00.00		38		4
	12		1	
		40		4
217+00.00		10		1
		15		21
216+32.50		1		15

	Regular Exc.		Embankment	
	AREA	VOL.	AREA	VOL.
	SF	CY	SF	CY
220+32.56		16		20
	1		15	
		12		22
220+00.00		8		2
		30		6
219+00.00		9		1

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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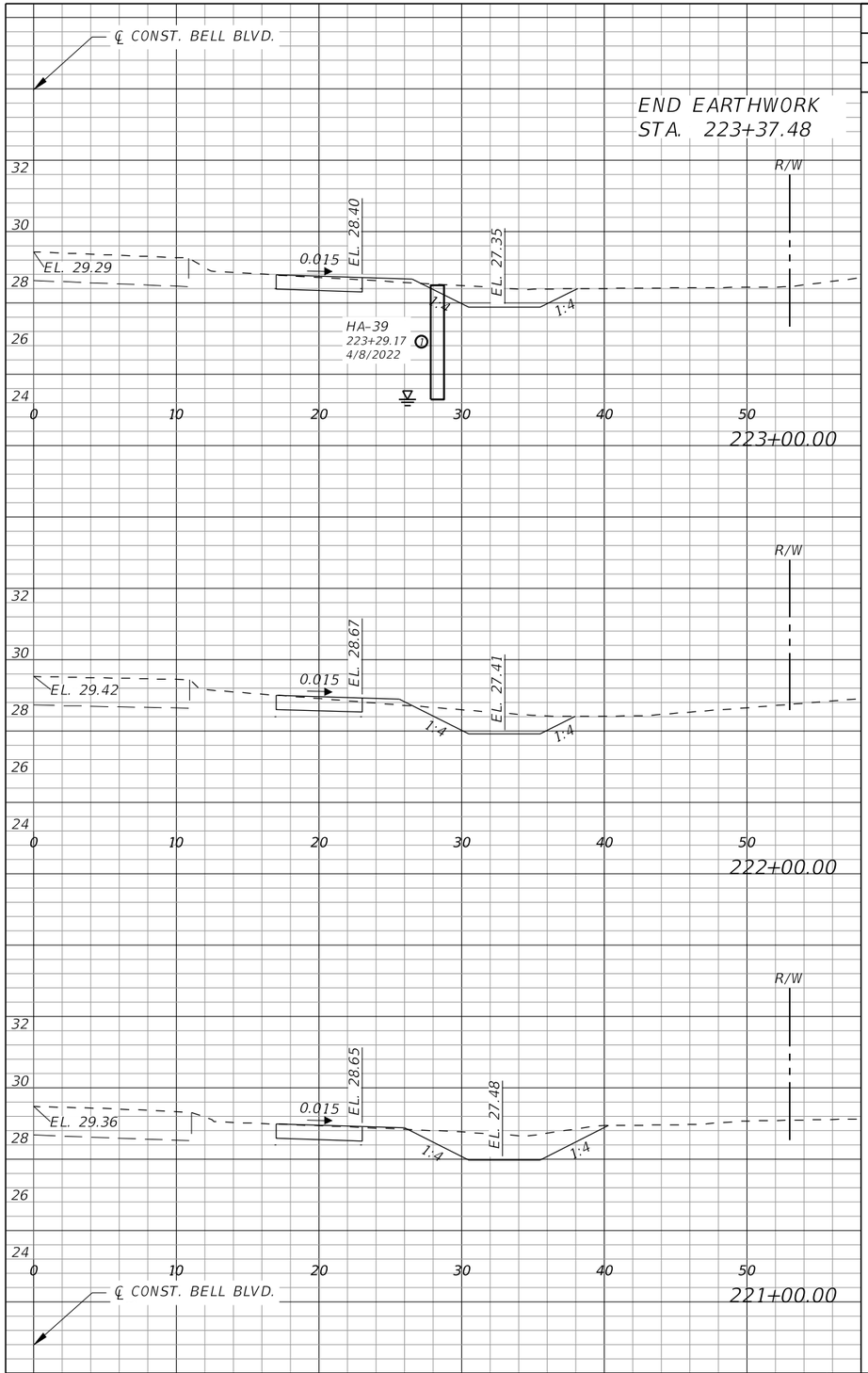
LEE COUNTY

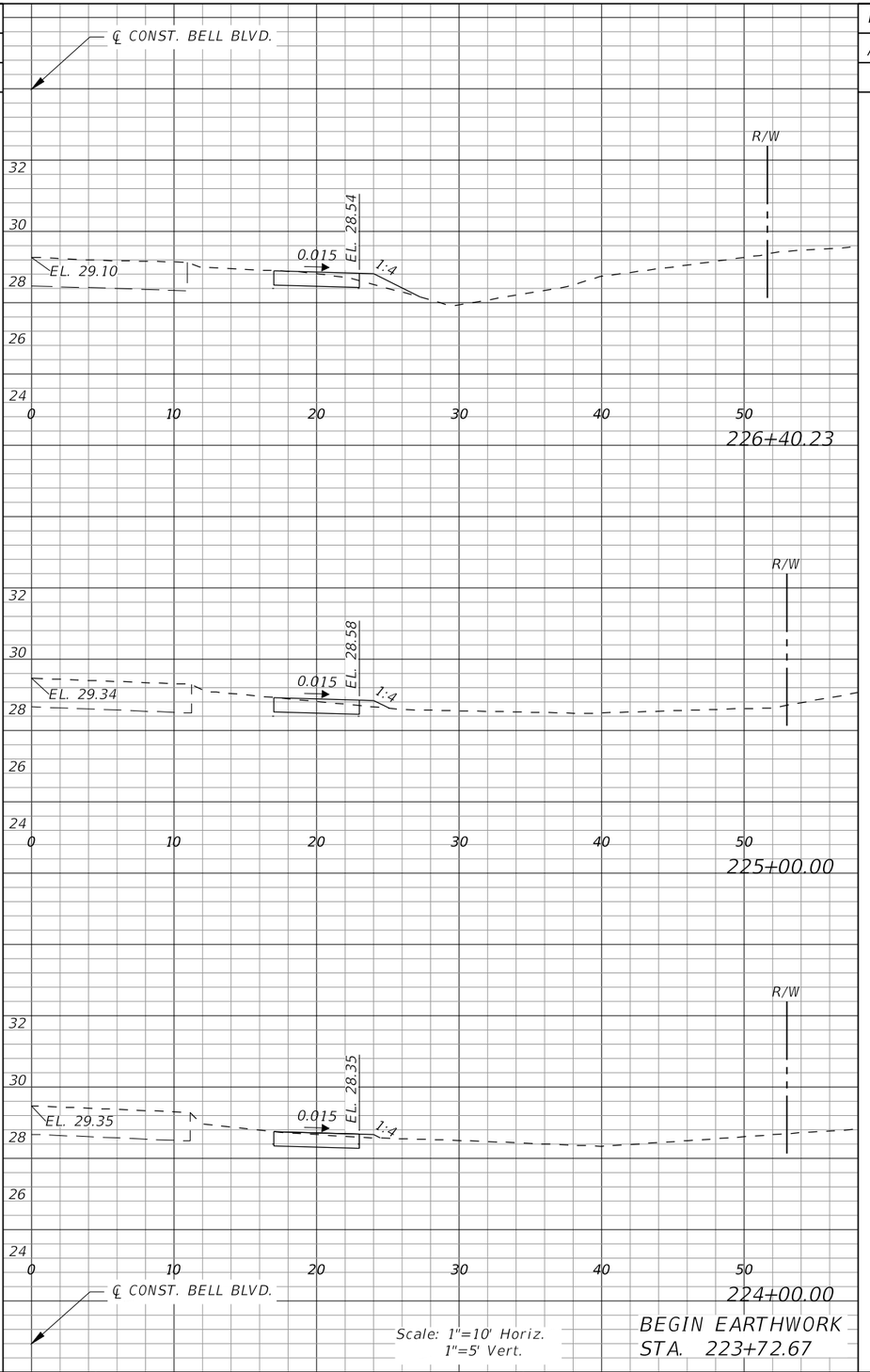
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 114



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	6		1
8		1	
	31		3
9		1	
	38		3
12		1	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	14		11
3		1	
	13		5
2		1	
	9		4
3		1	
0		0	

Scale: 1"=10' Horiz.
1"=5' Vert.

BEGIN EARTHWORK
STA. 223+72.67

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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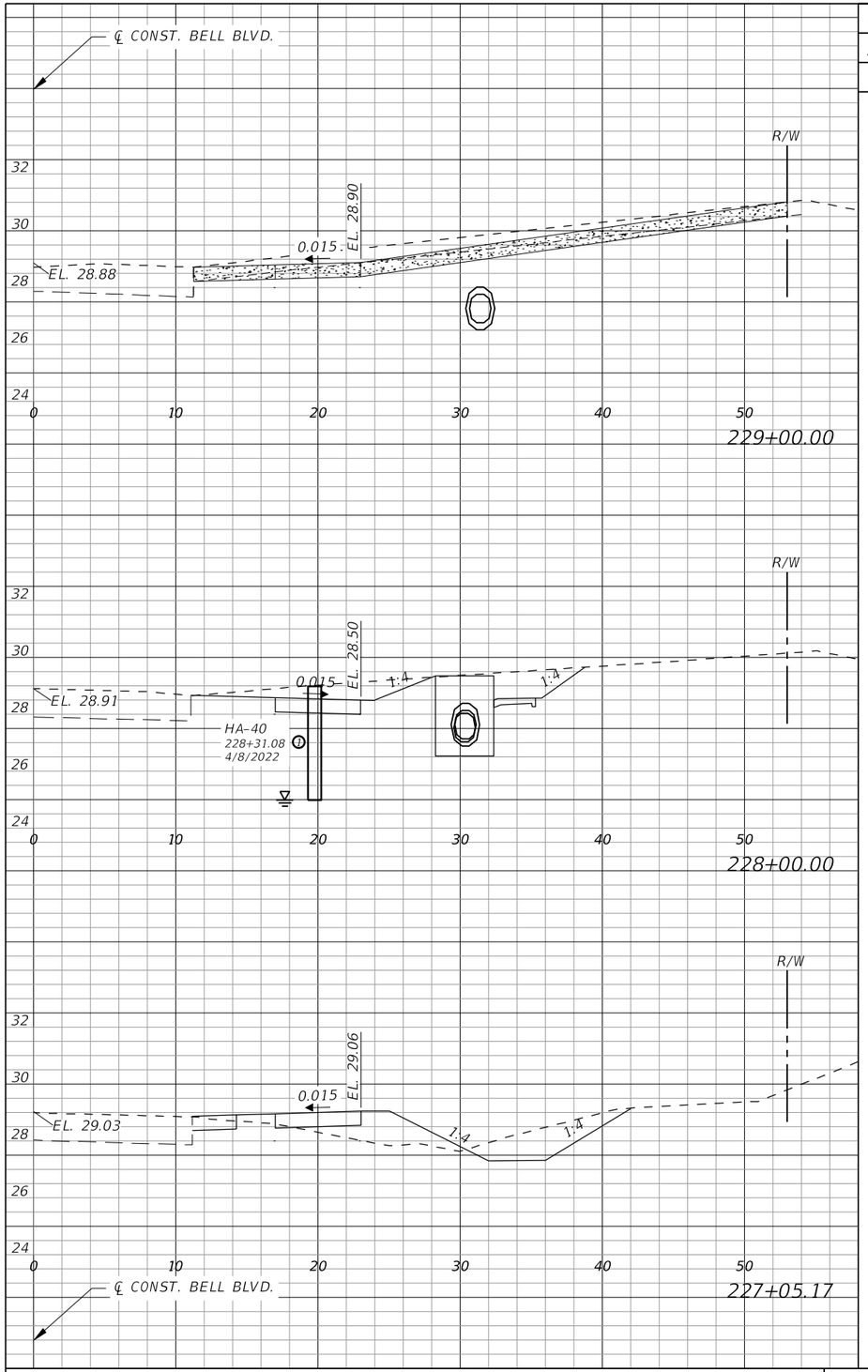
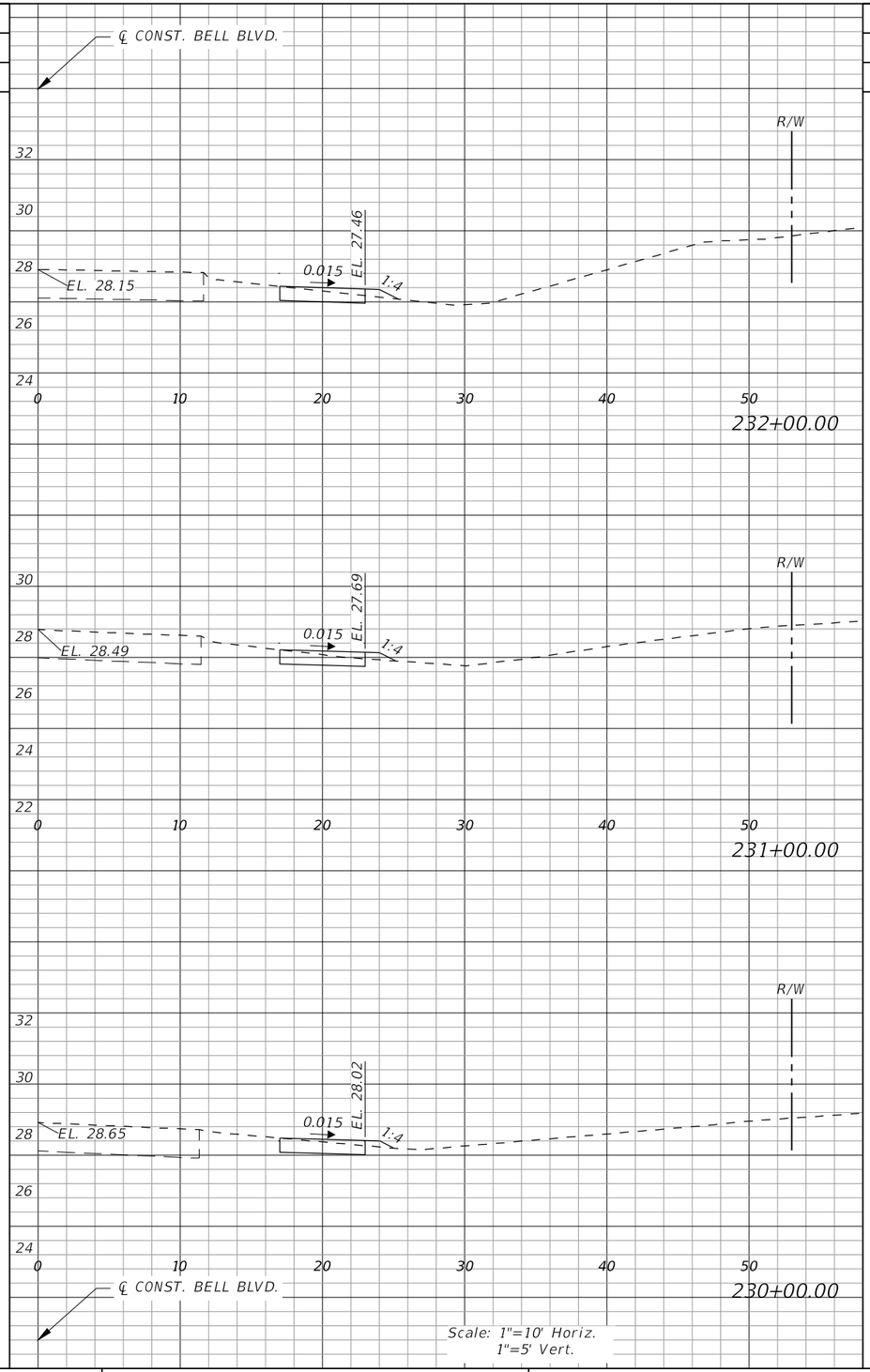
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS
BELL BOULEVARD (RT.)

SHEET NO. 115





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	4		2
0		0	
	24		0
	13		0
	43		17
	10		9

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	2		1
2		1	
	8		4
	2		1
	9		4
	2		1

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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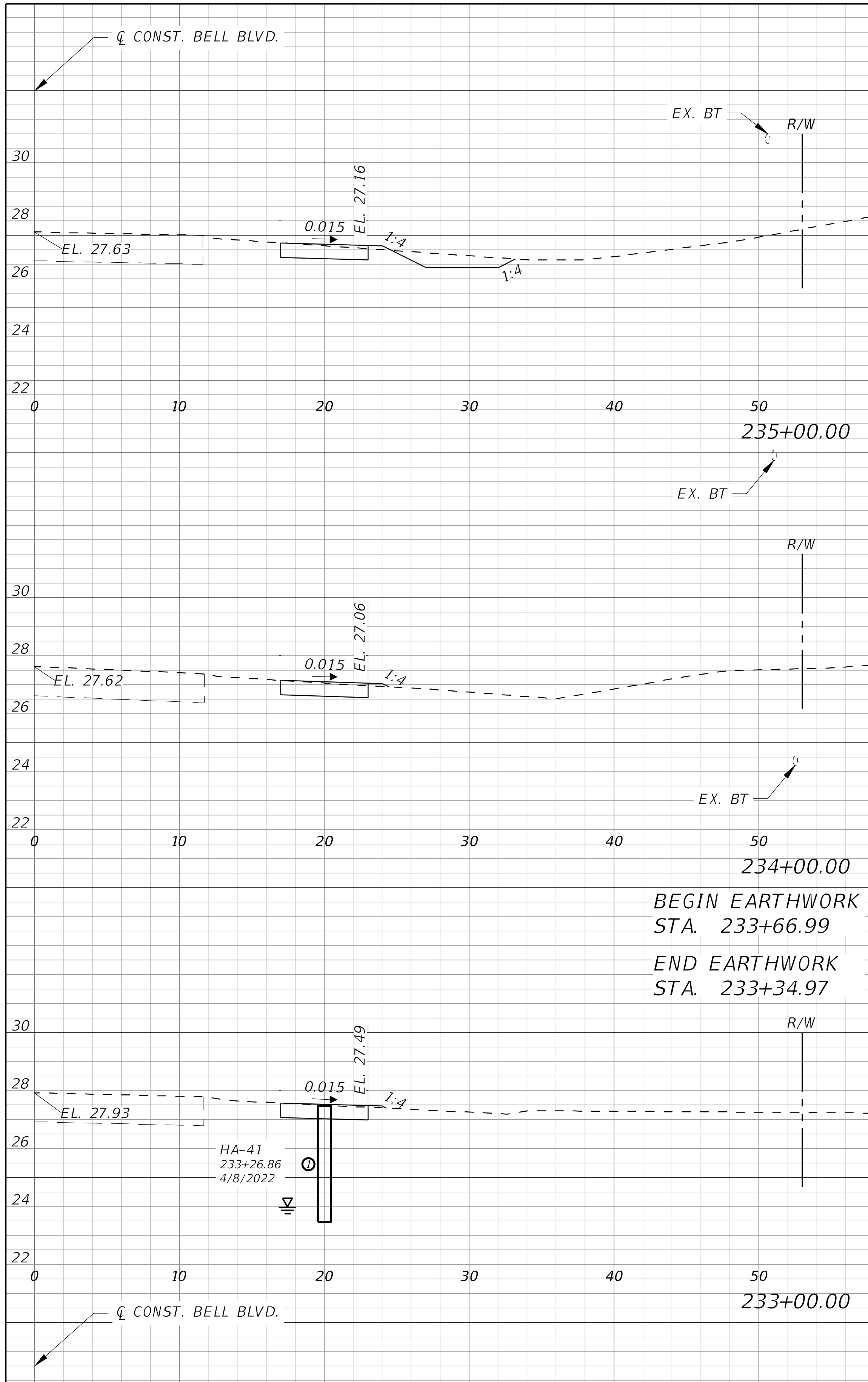
LEE COUNTY

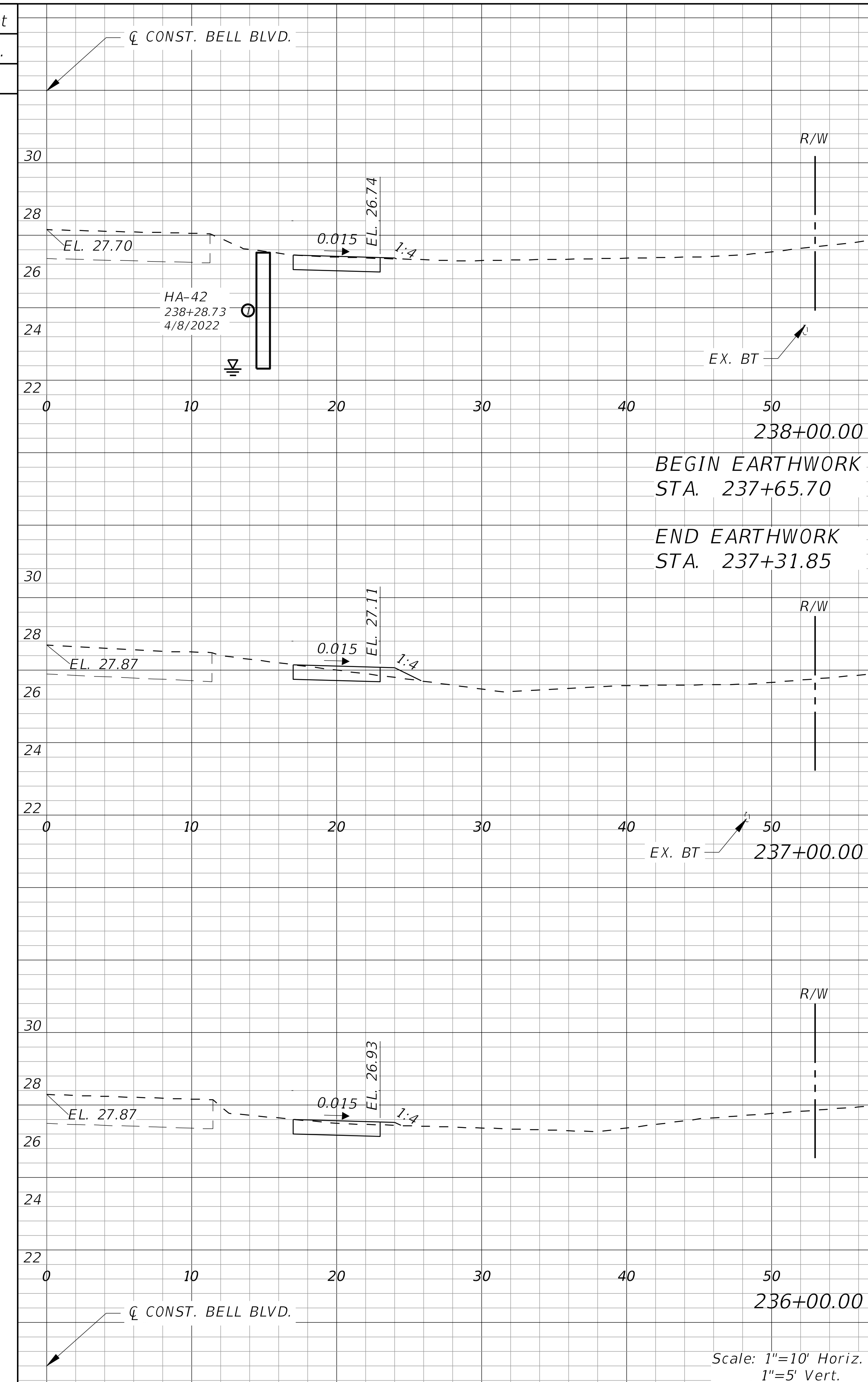
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 116



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	15		4
6		1	
	15		4
3		1	
	2		1
0		0	
0		0	
	2		1
3		1	



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	11		4
3		1	
	2		1
0		0	
0		0	
	1		0
2		1	
	9		3
3		1	

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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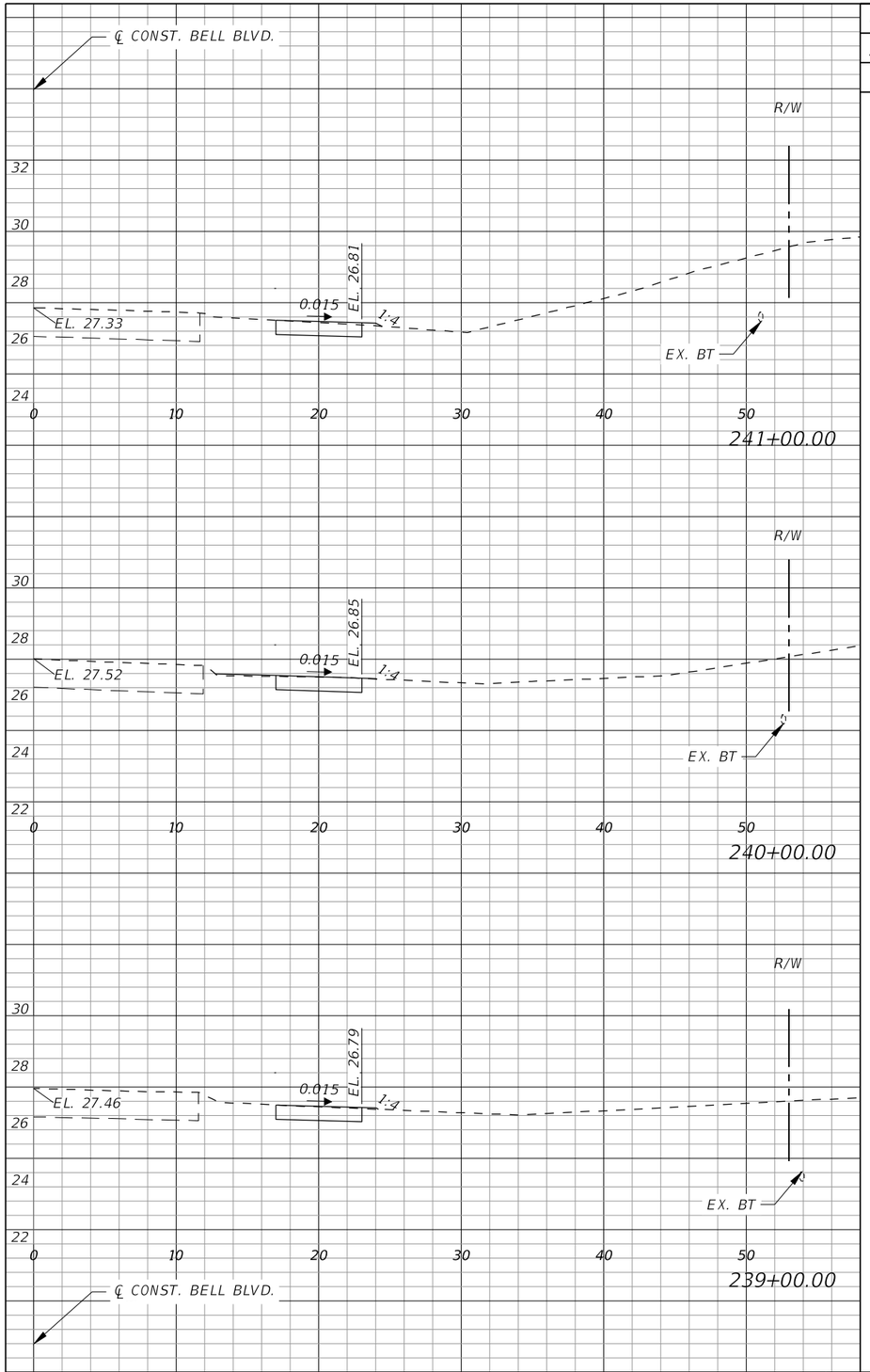
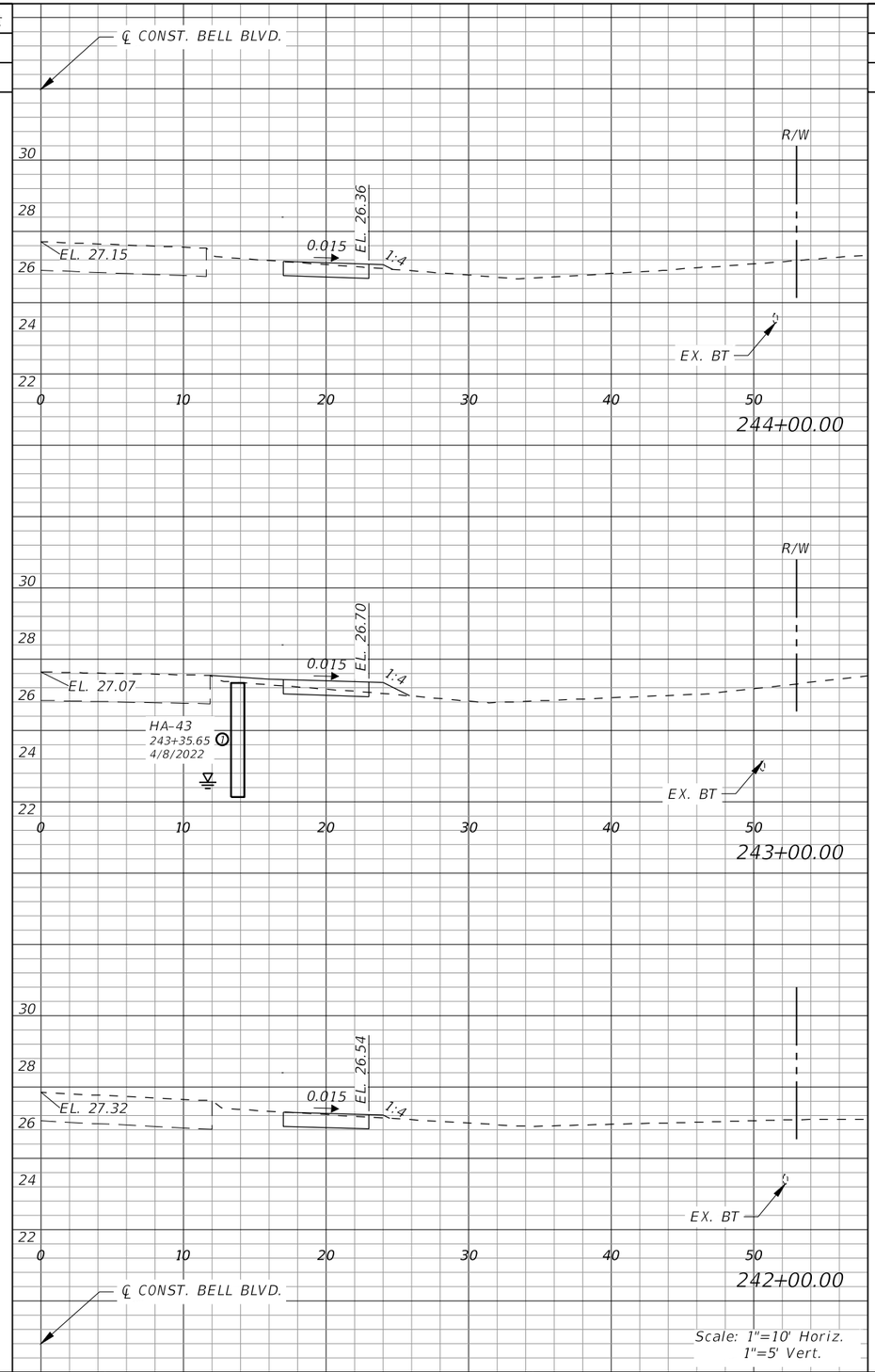
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS
BELL BOULEVARD (RT.)

SHEET NO.
117





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	10		4
3		1	
	11		4
3		1	
	11		4
3		1	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
	10		4
3		1	
	7		5
1		2	
	7		5
3		1	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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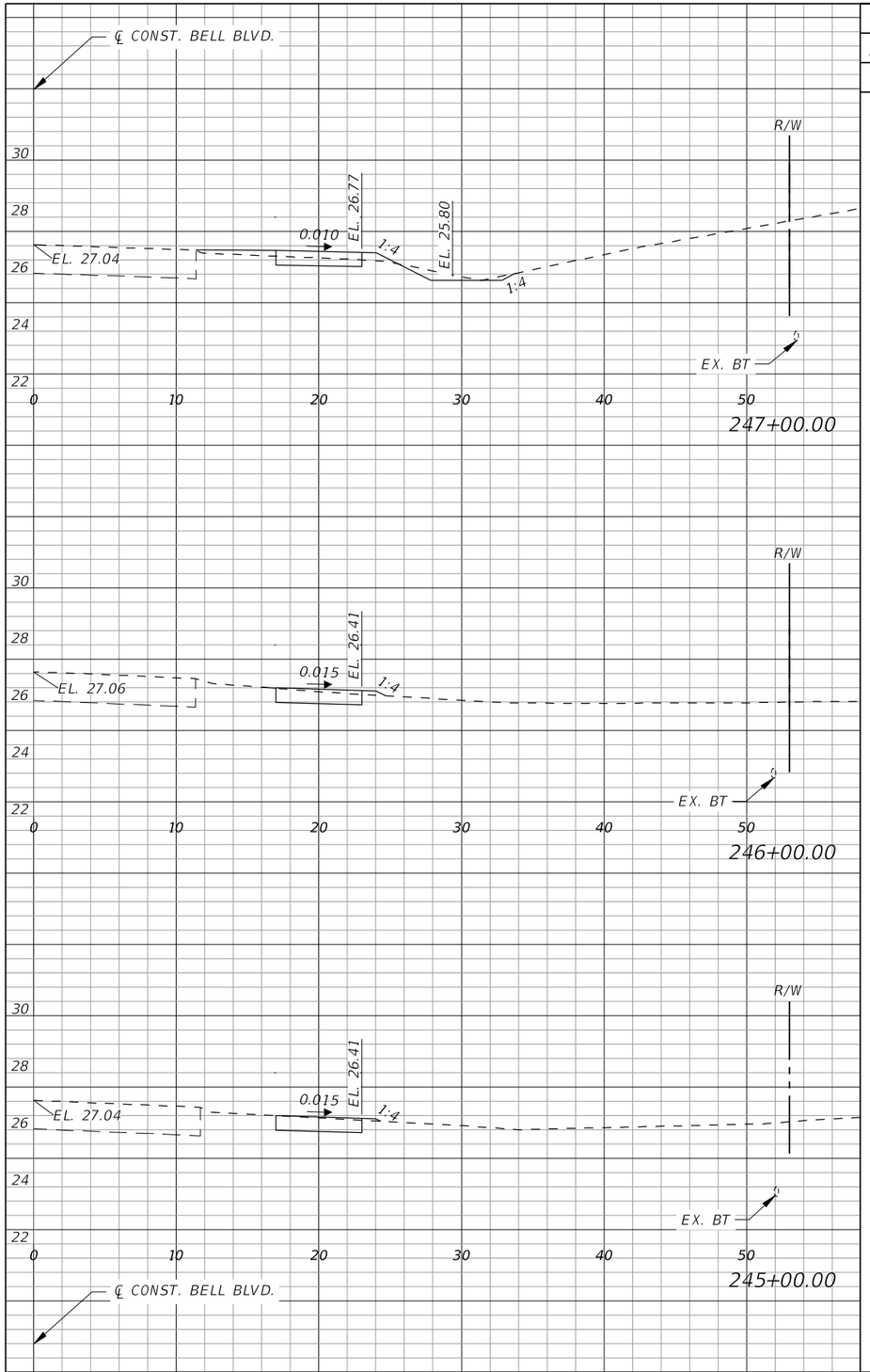
LEE COUNTY

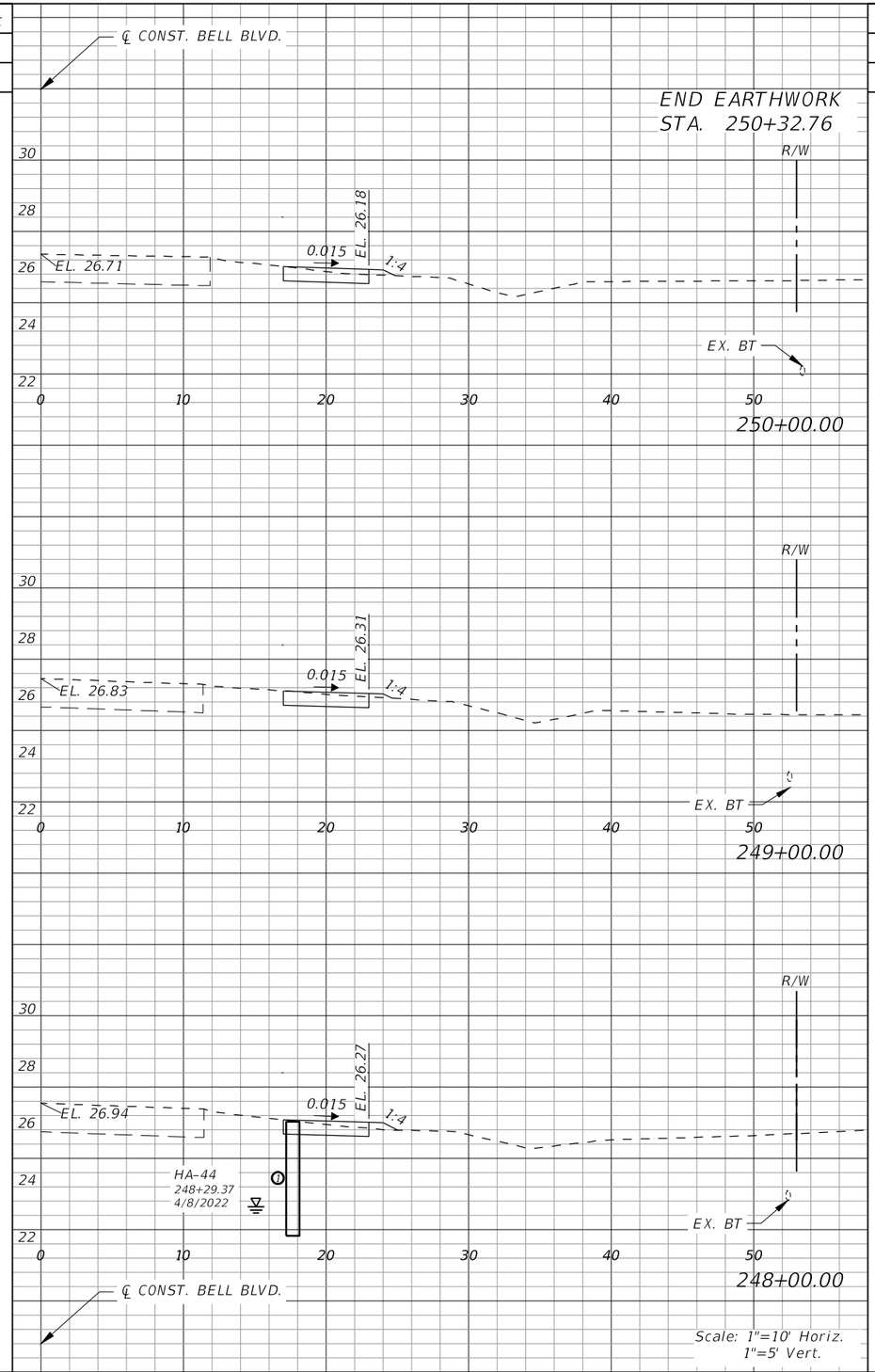
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 118



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
3	9	1	4
3	10	1	4
3	10	1	4
3	9	1	4



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0	1	0	1
2	9	1	4
3	9	1	4
2	9	1	4

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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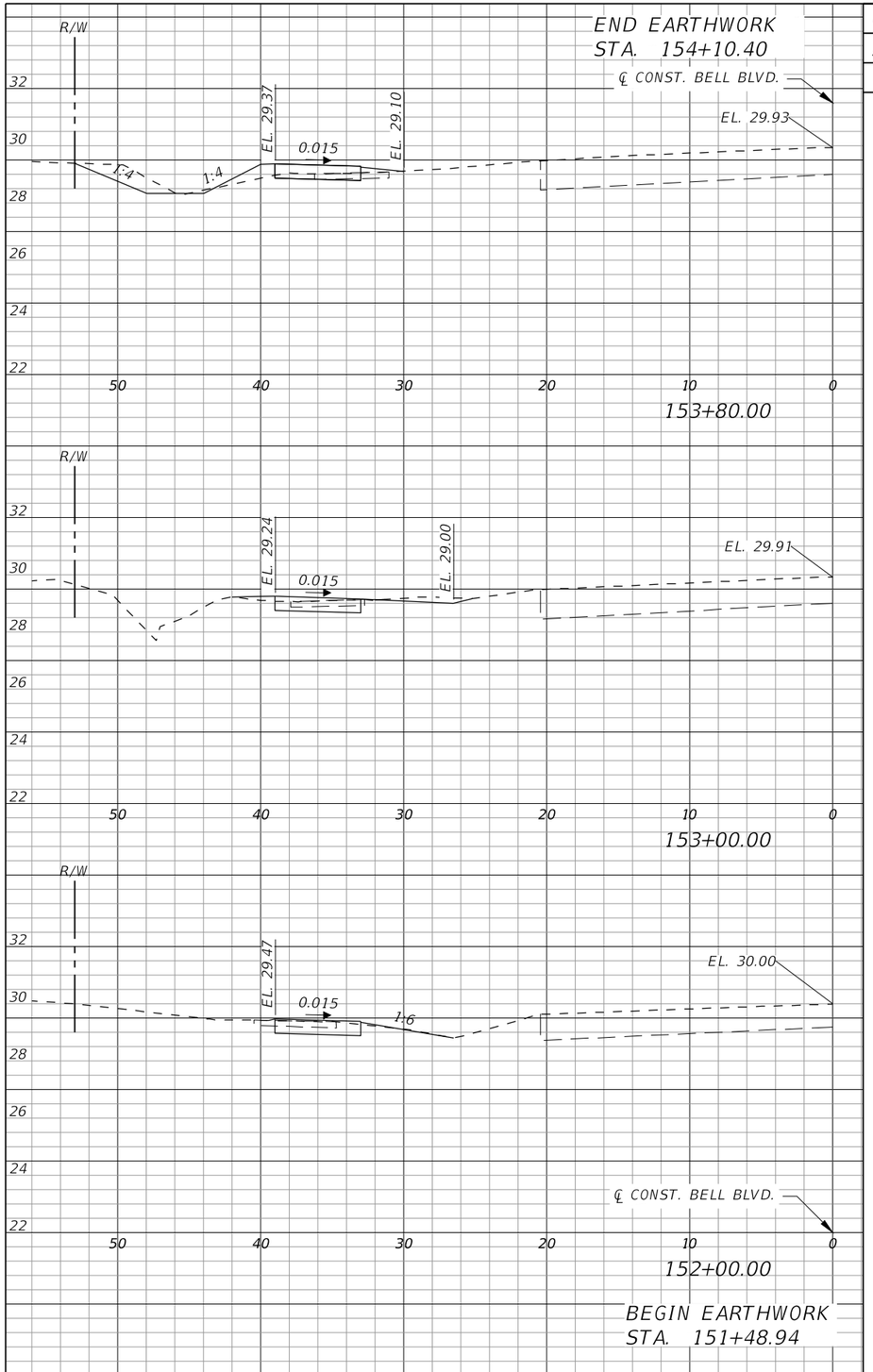
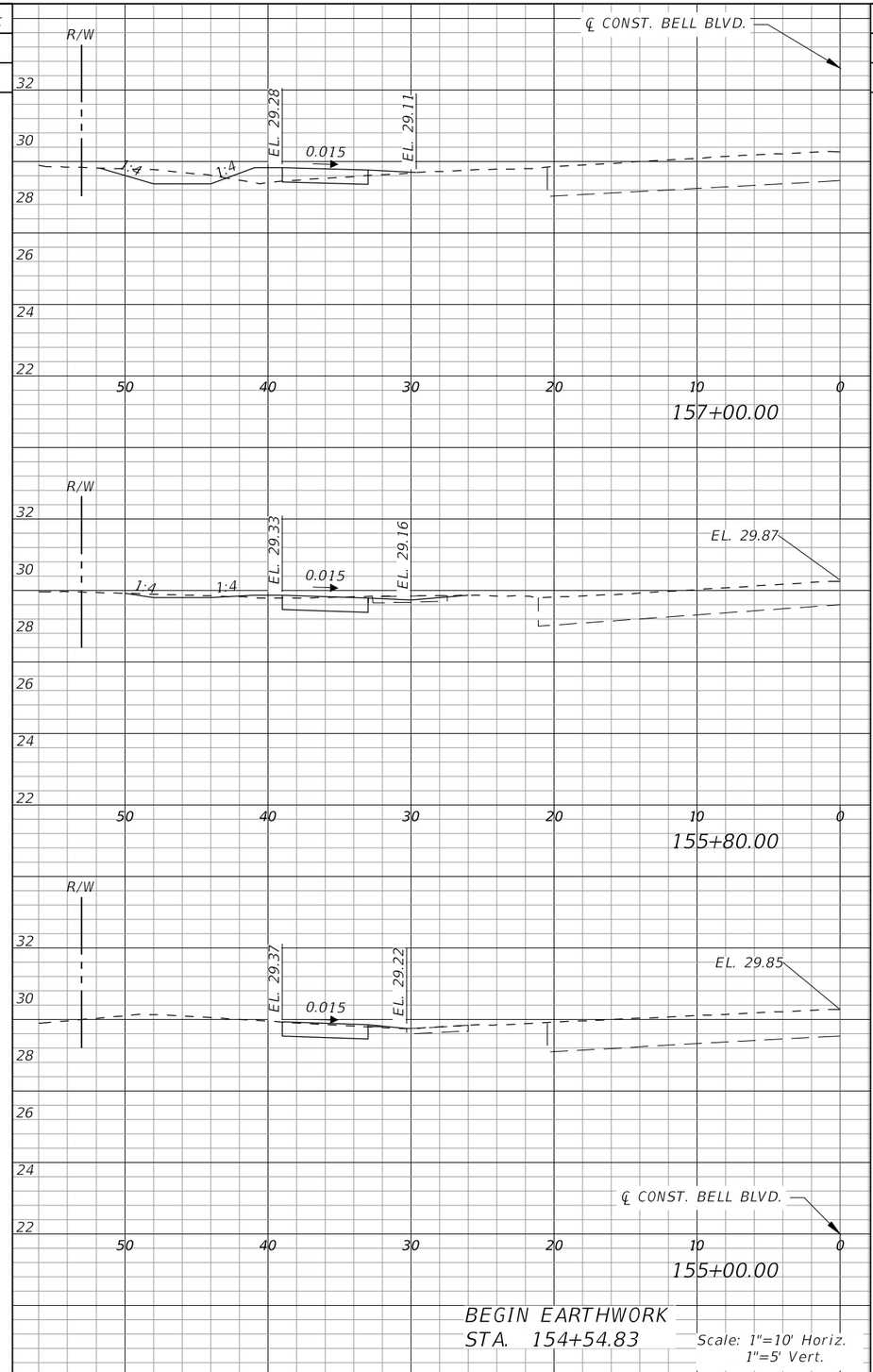
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (RT.)

SHEET NO. 119





Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	3		2
4		2	
	10		10
1		3	
	8		8
3		1	
	3		1
0		0	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
4		2	
	10		10
	12		8
2		2	
	8		8
2		1	
2		1	
0		0	

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

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LEE COUNTY

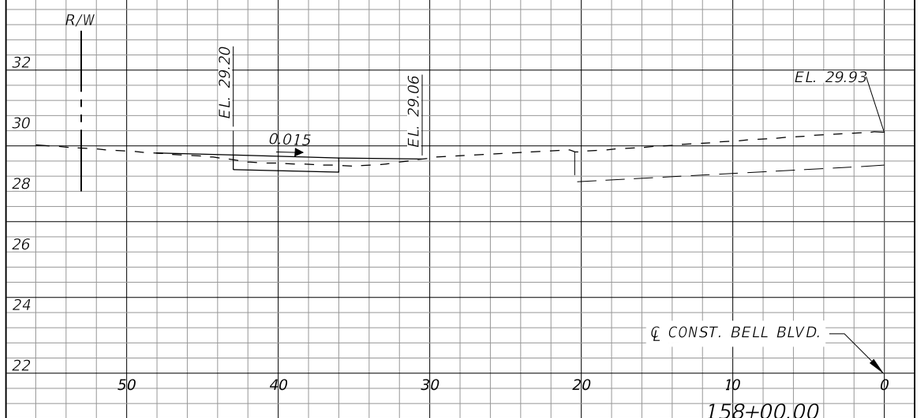
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS
BELL BOULEVARD (LT.)

SHEET NO. 120

SUMMARY OF EARTHWORK				
DESCRIPTION	REGULAR EXCAVATION		EMBANKMENT	
	120-1		120-6	
	CY		CY	
	P	F	P	F
BELL BLVD.	2413.0		1795.0	

END EARTHWORK
STA. 158+15.69



Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY
0		0	
	1		1
3		3	

Regular Exc.		Embankment	
AREA	VOL.	AREA	VOL.
SF	CY	SF	CY

Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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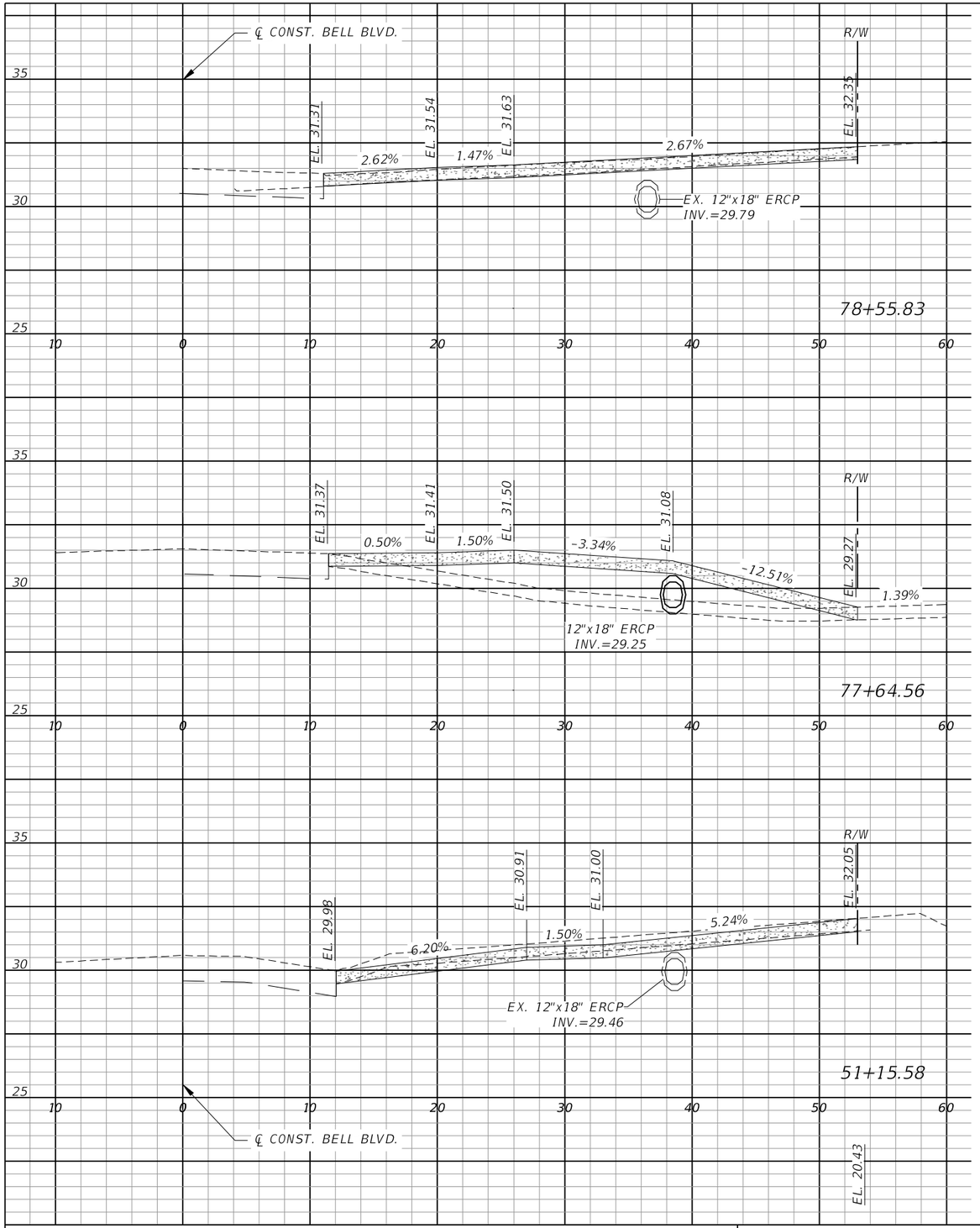
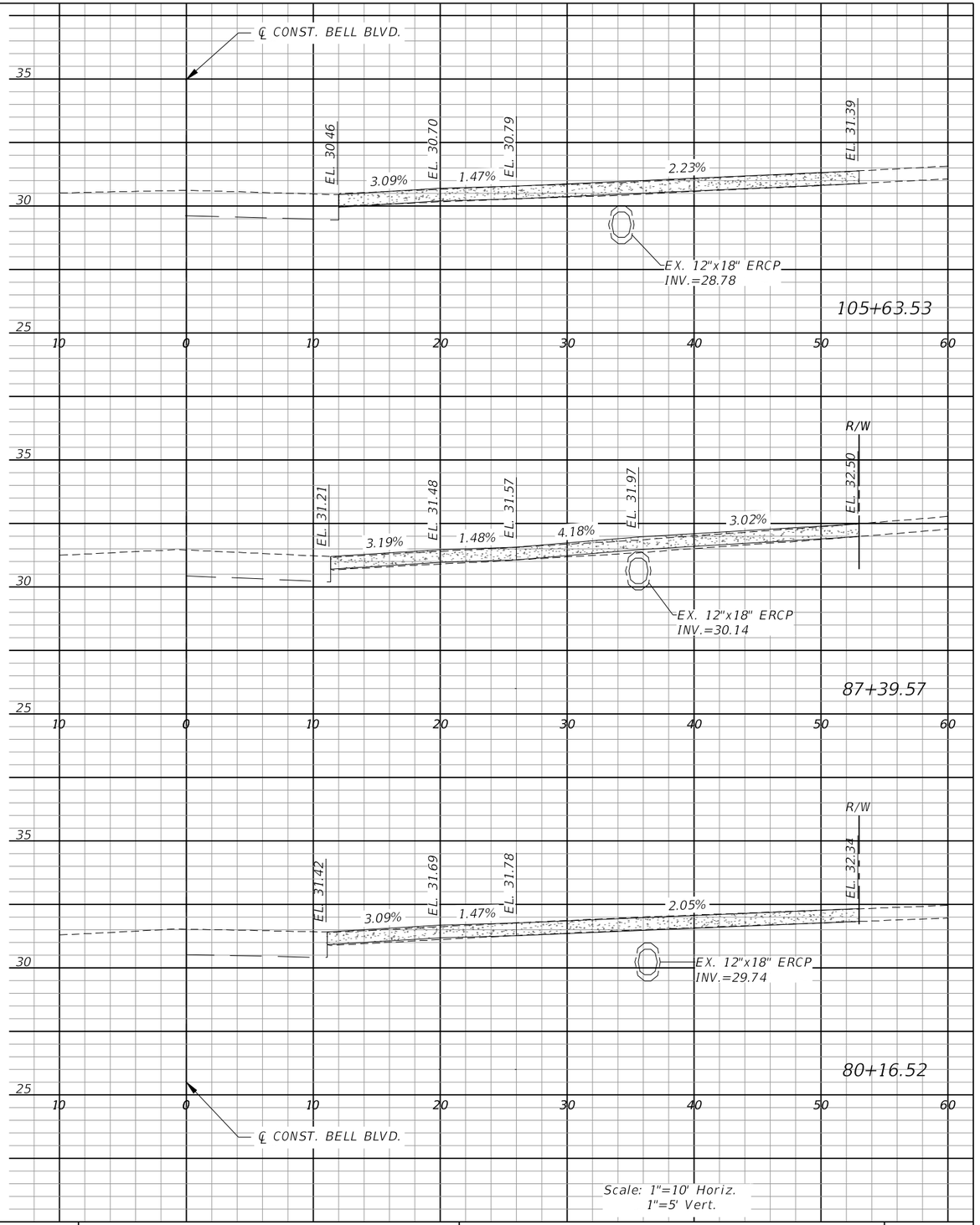
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

CROSS SECTIONS BELL BOULEVARD (LT.)

SHEET NO. 121





Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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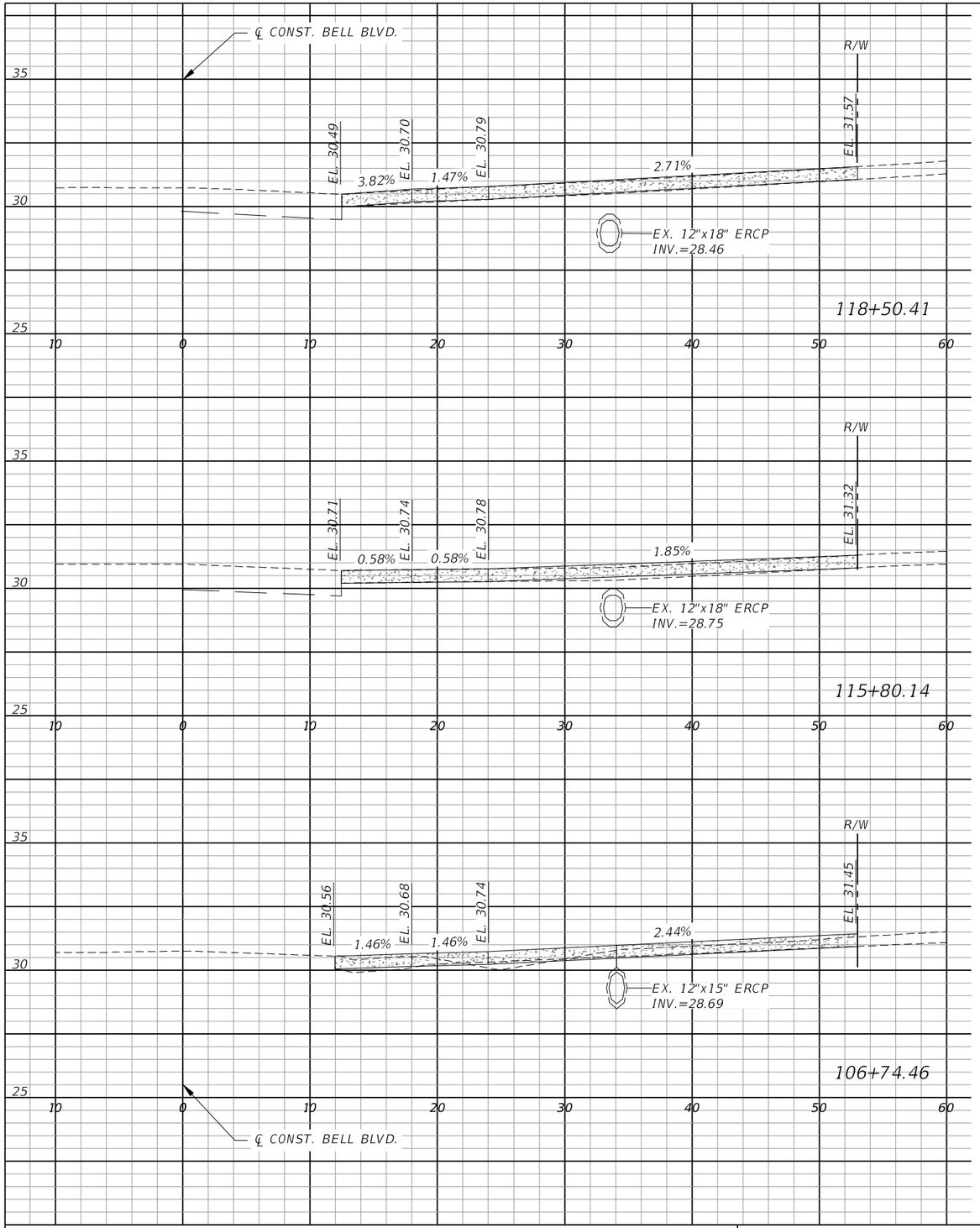
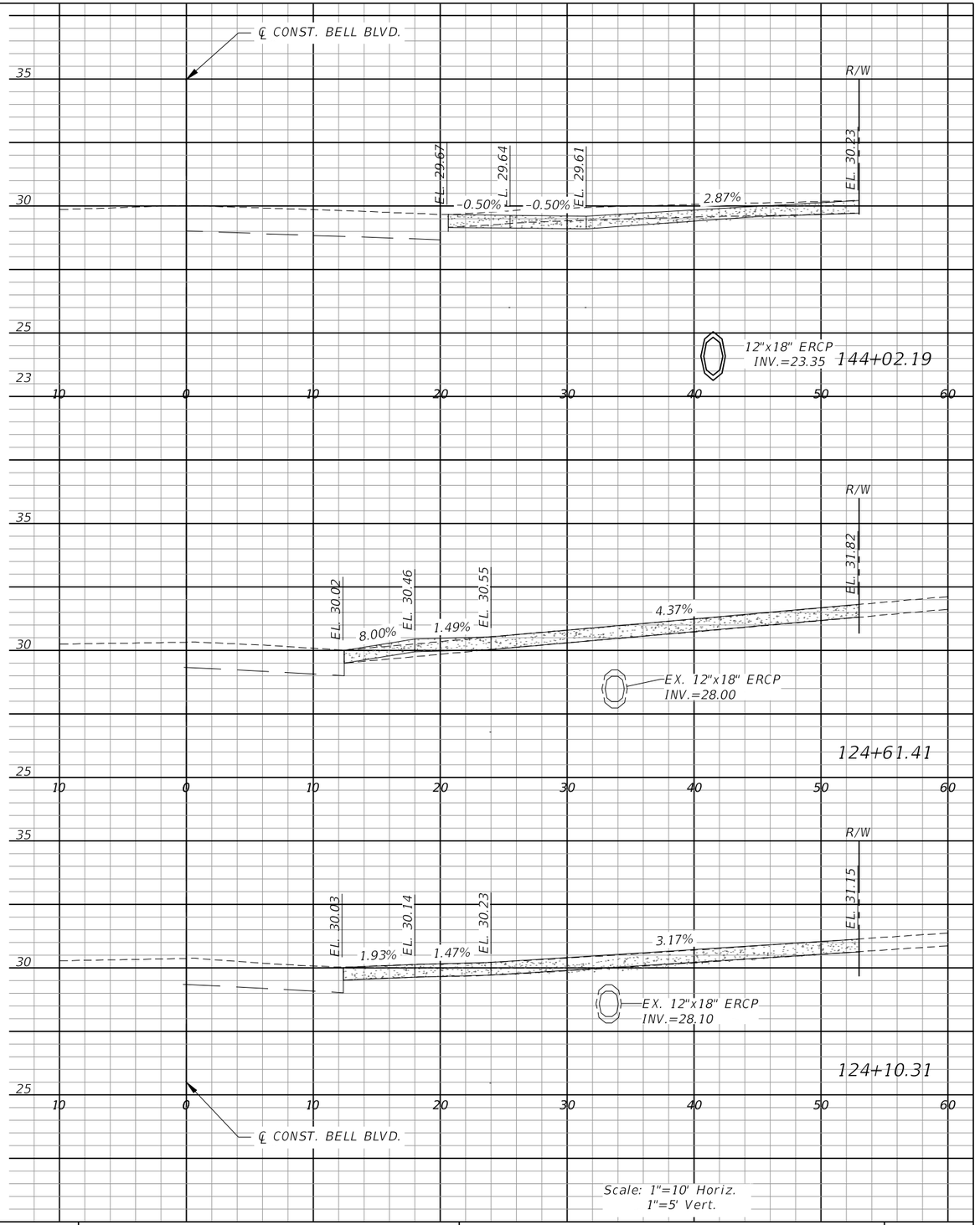
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (1)

SHEET NO. 122





REVISIONS			
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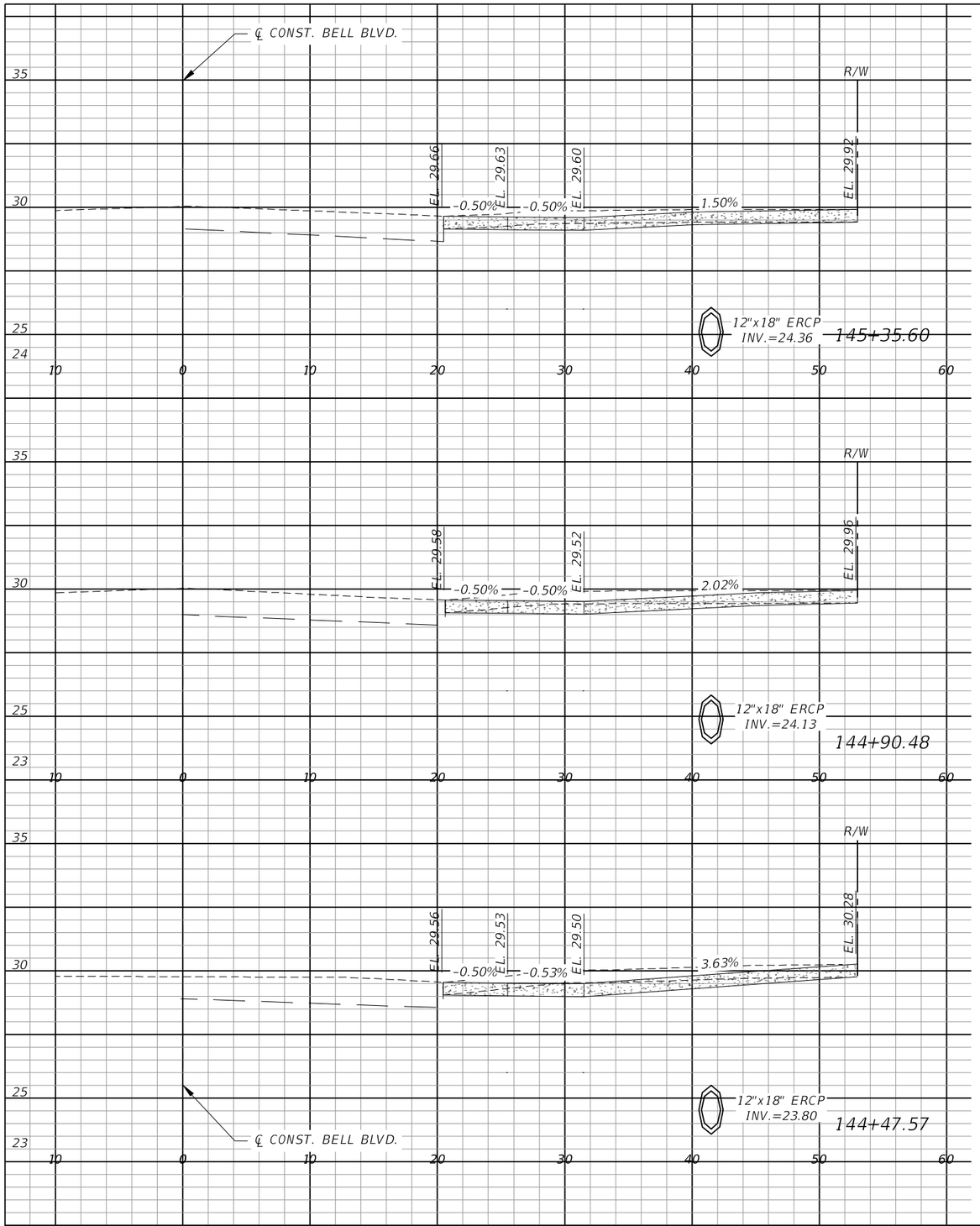
R. DANIEL FLYNN, P.E. NO. 76205

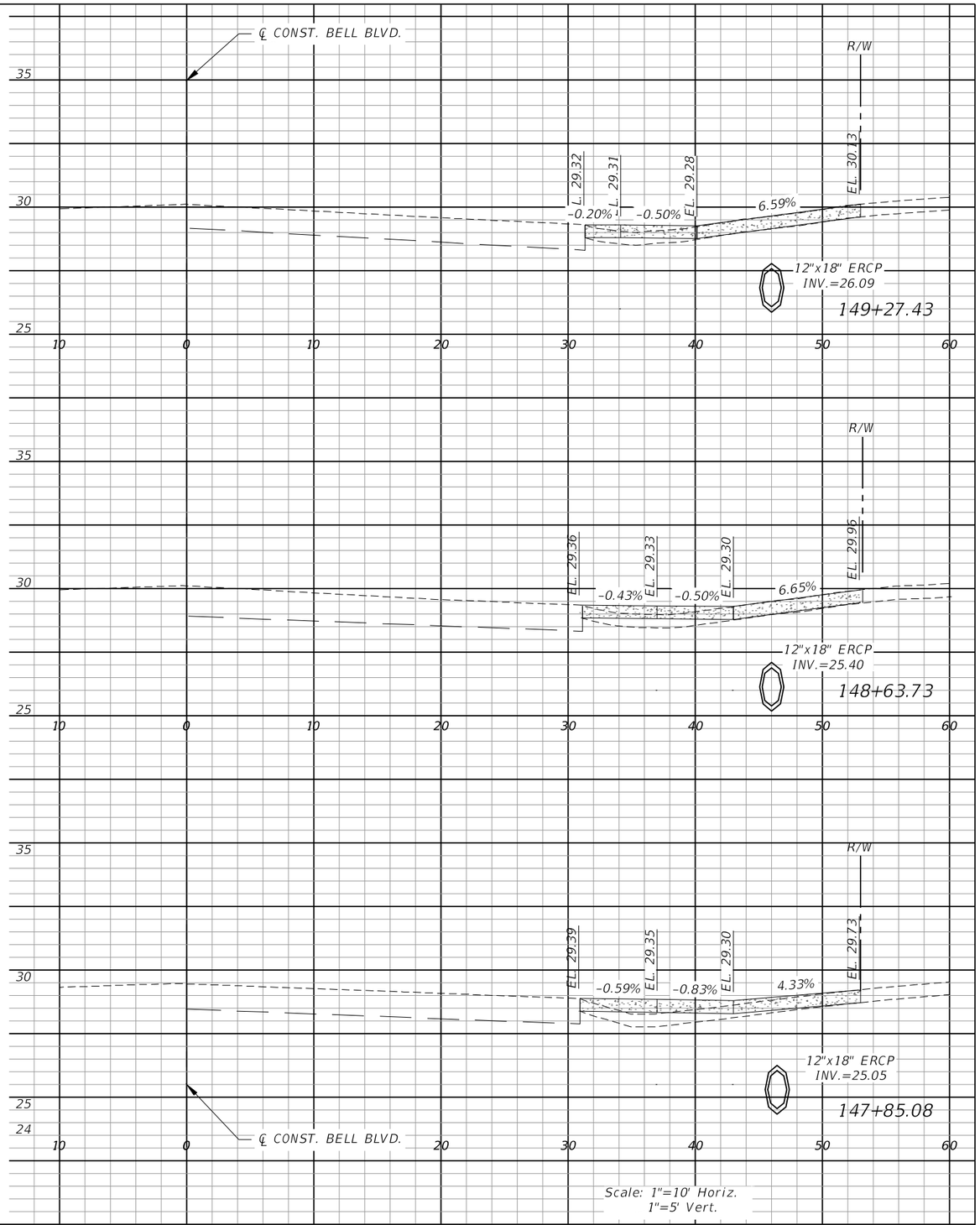
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (2)

SHEET NO. 123





Scale: 1"=10' Horiz.
1"=5' Vert.

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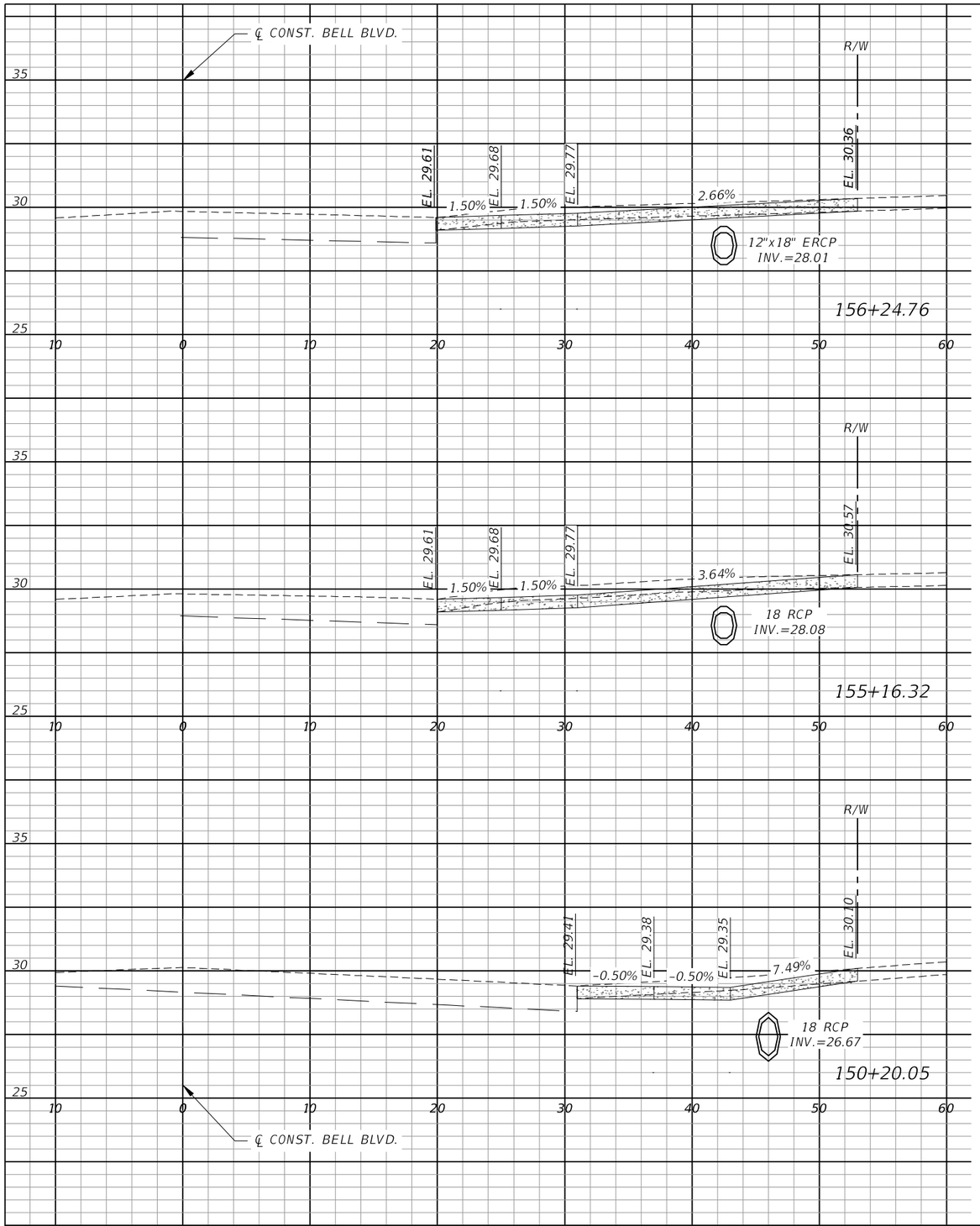
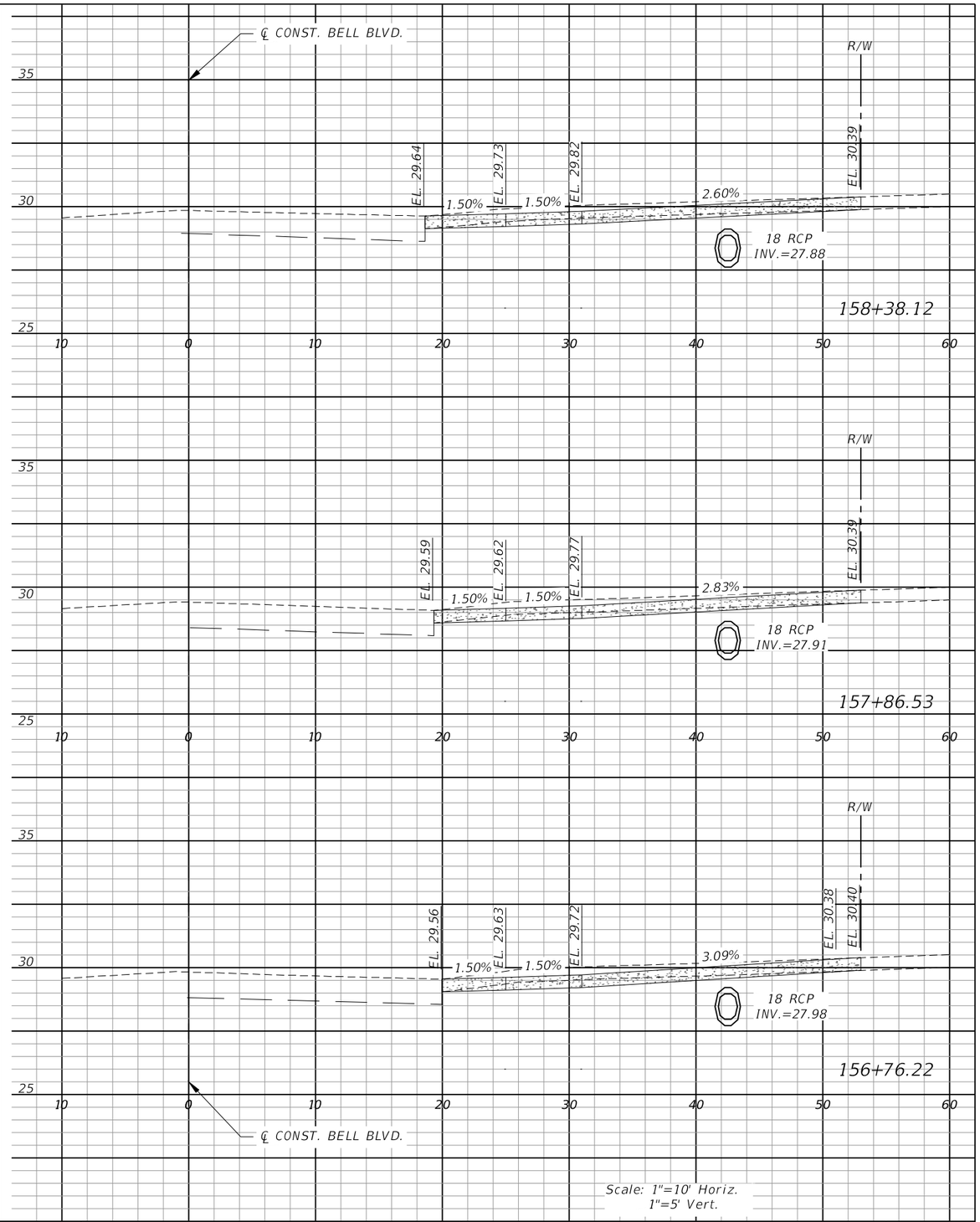
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (3)

SHEET NO. 124





Scale: 1"=10' Horiz.
1"=5' Vert.

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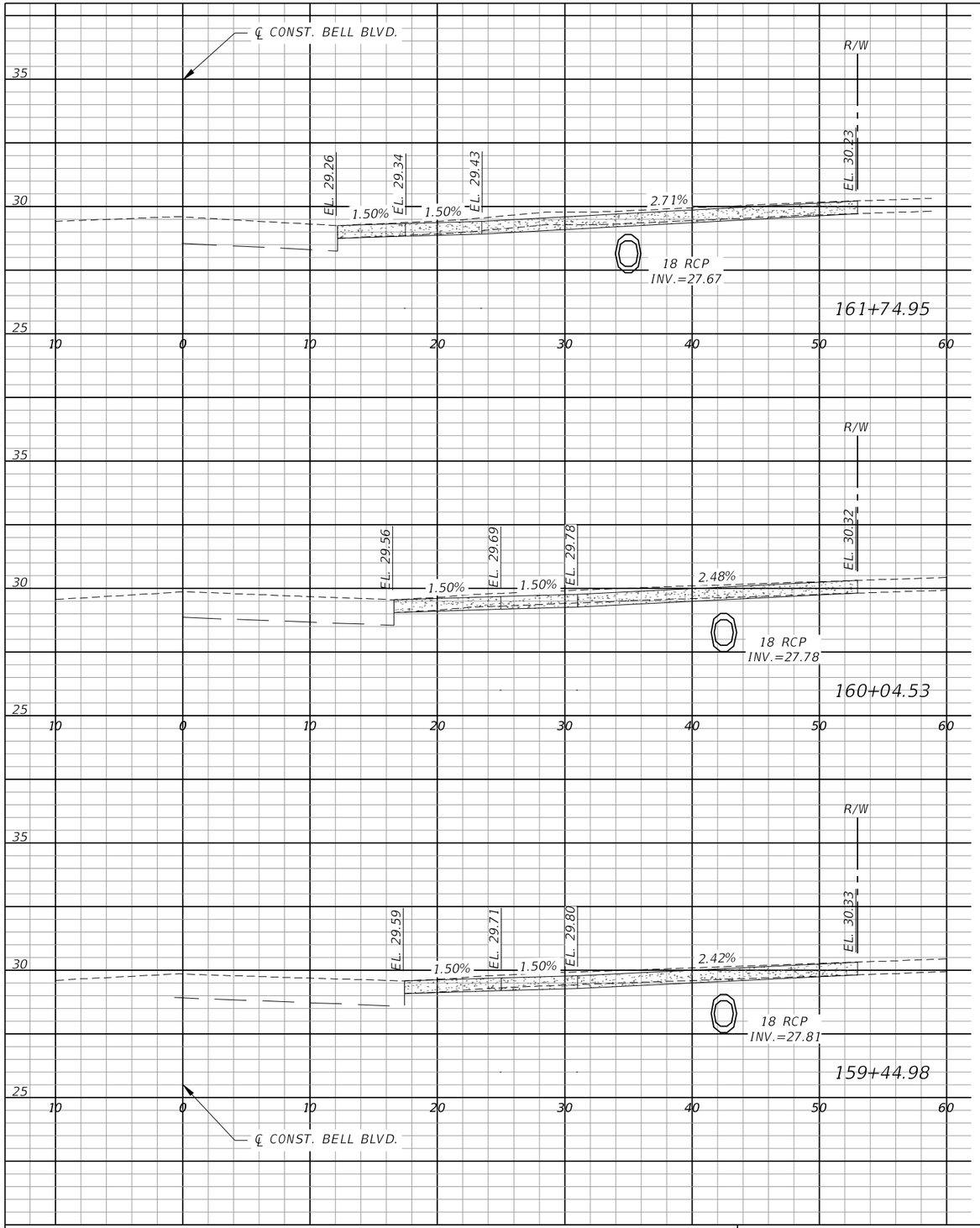
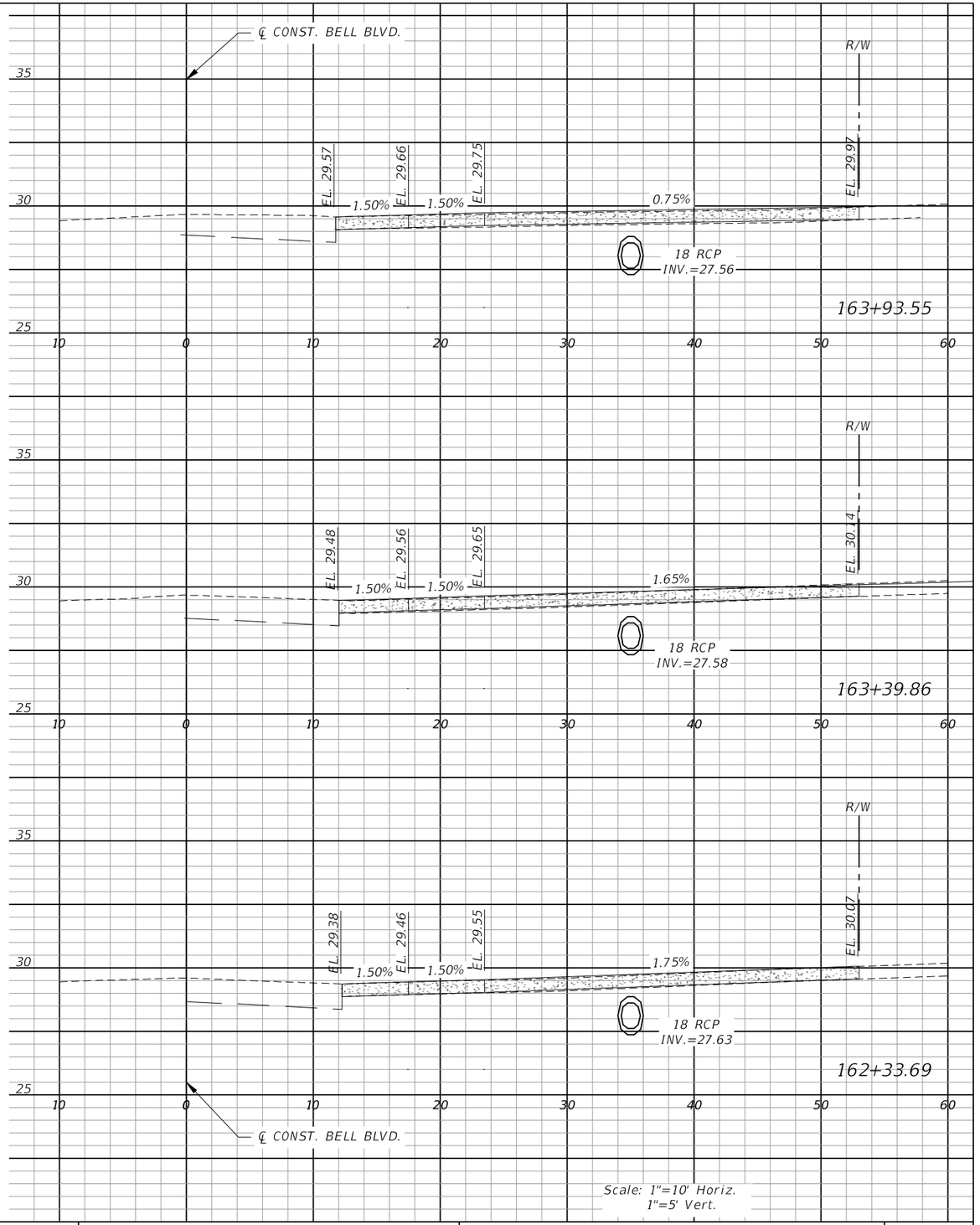
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (4)

SHEET NO. 125





Scale: 1"=10' Horiz.
1"=5' Vert.

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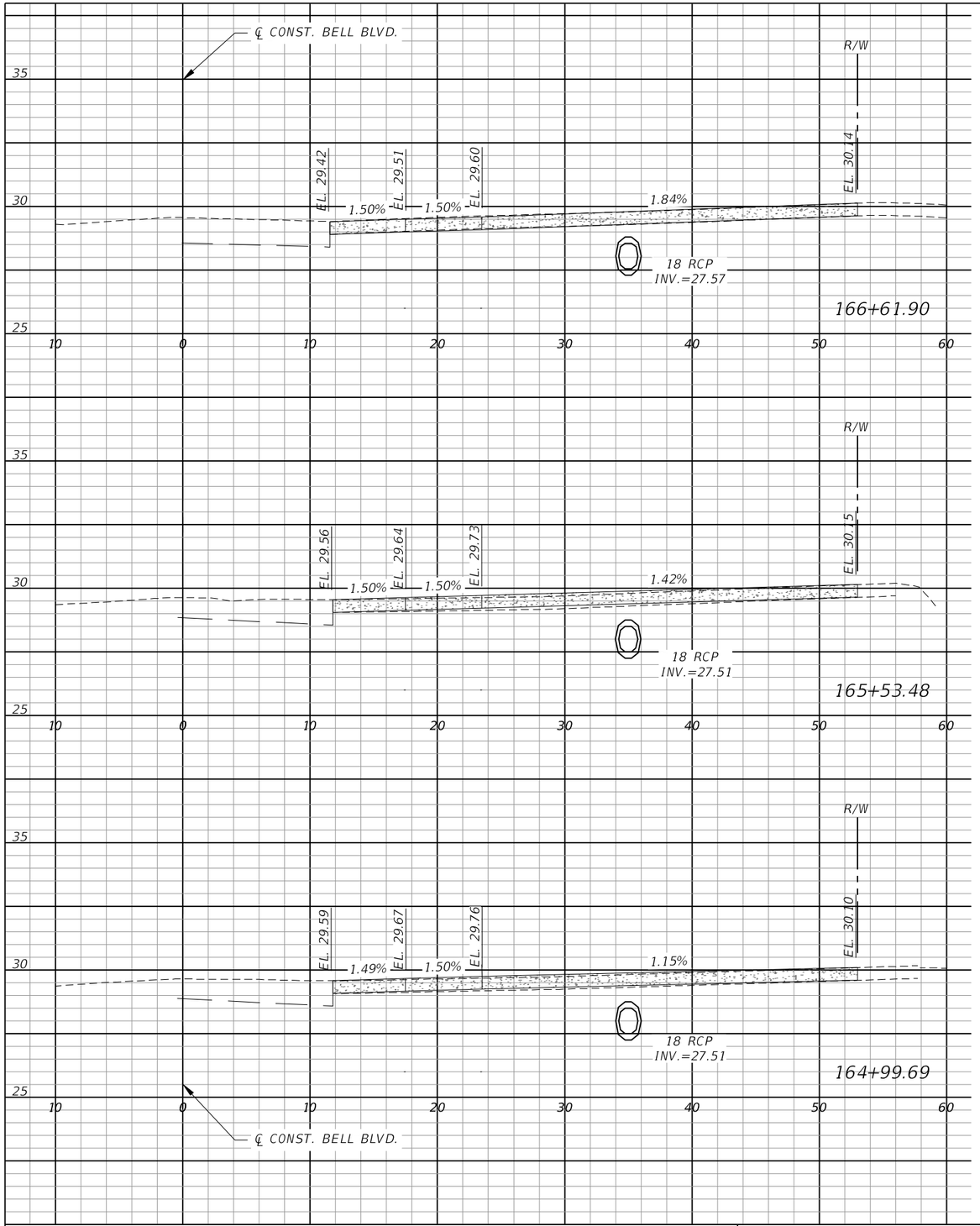
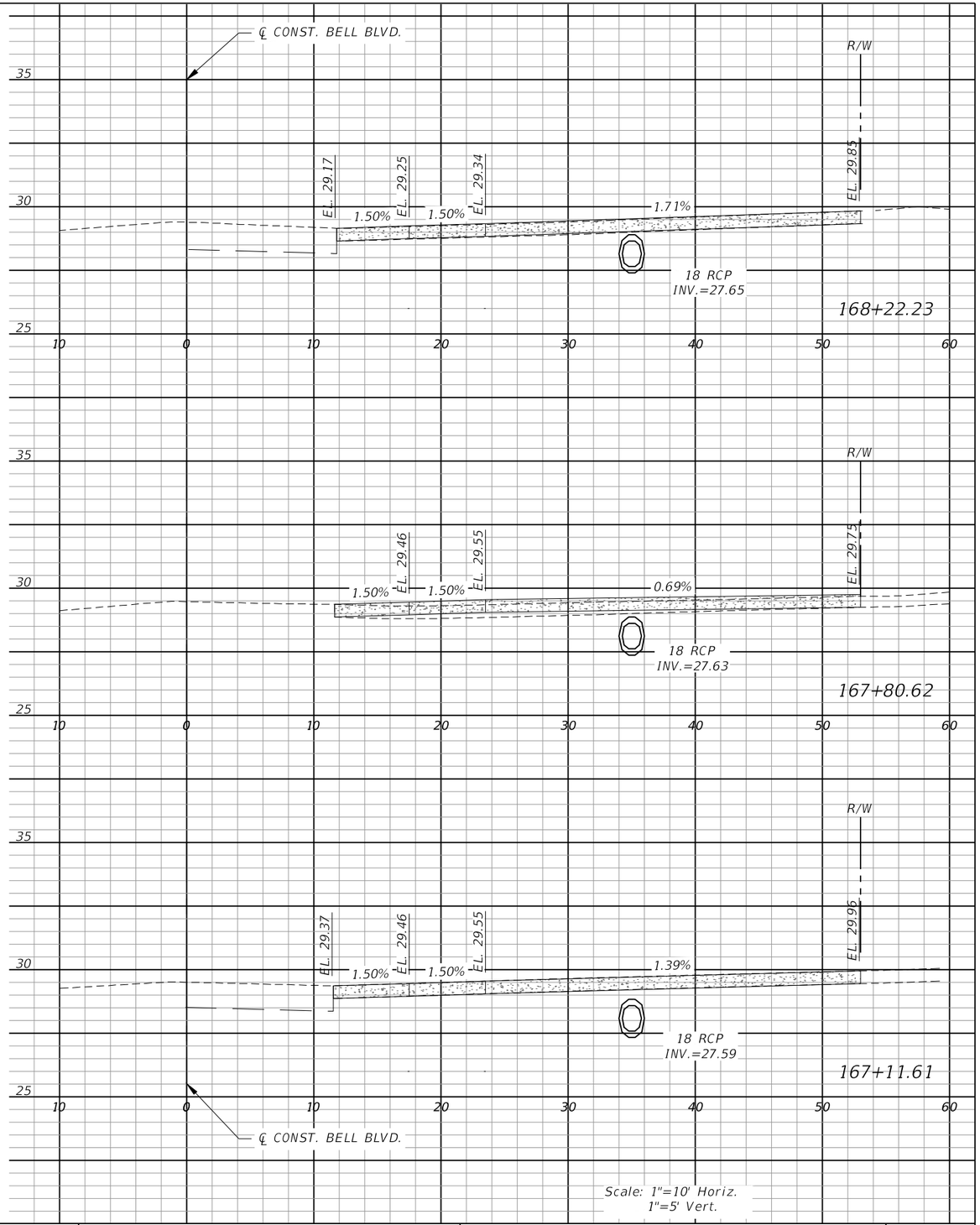
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (5)

SHEET NO. 126





Scale: 1"=10' Horiz.
1"=5' Vert.

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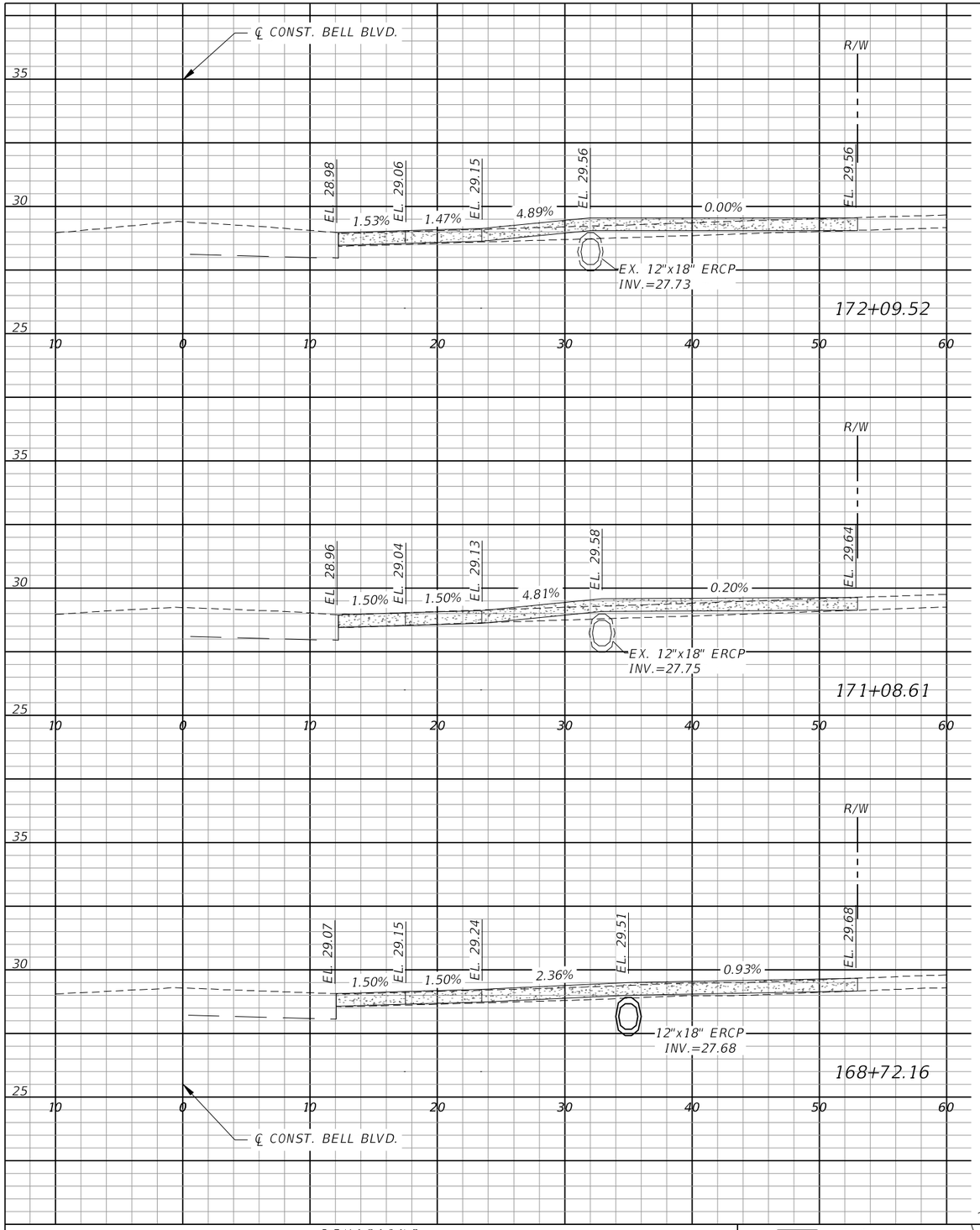
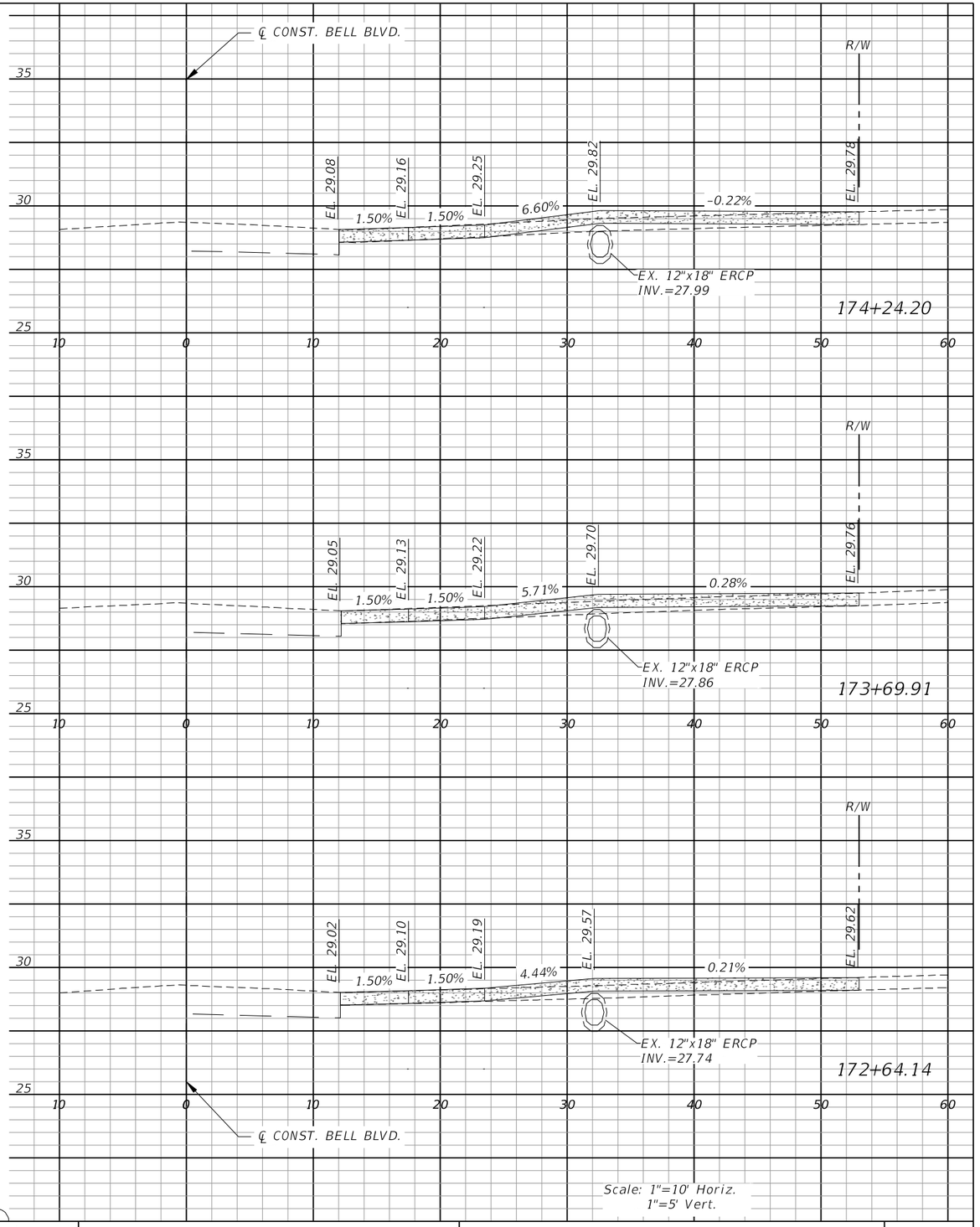
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (6)

SHEET NO. 127





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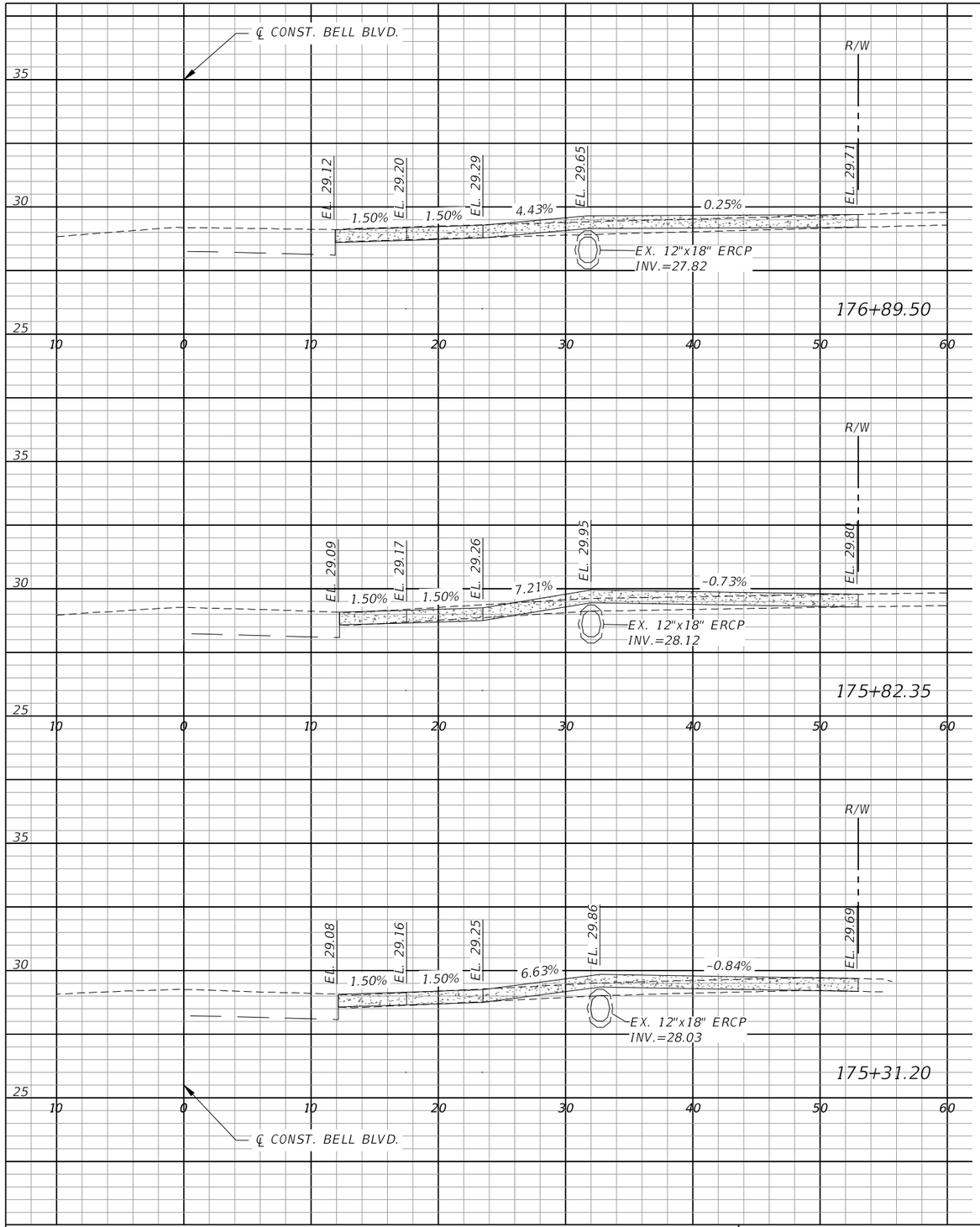
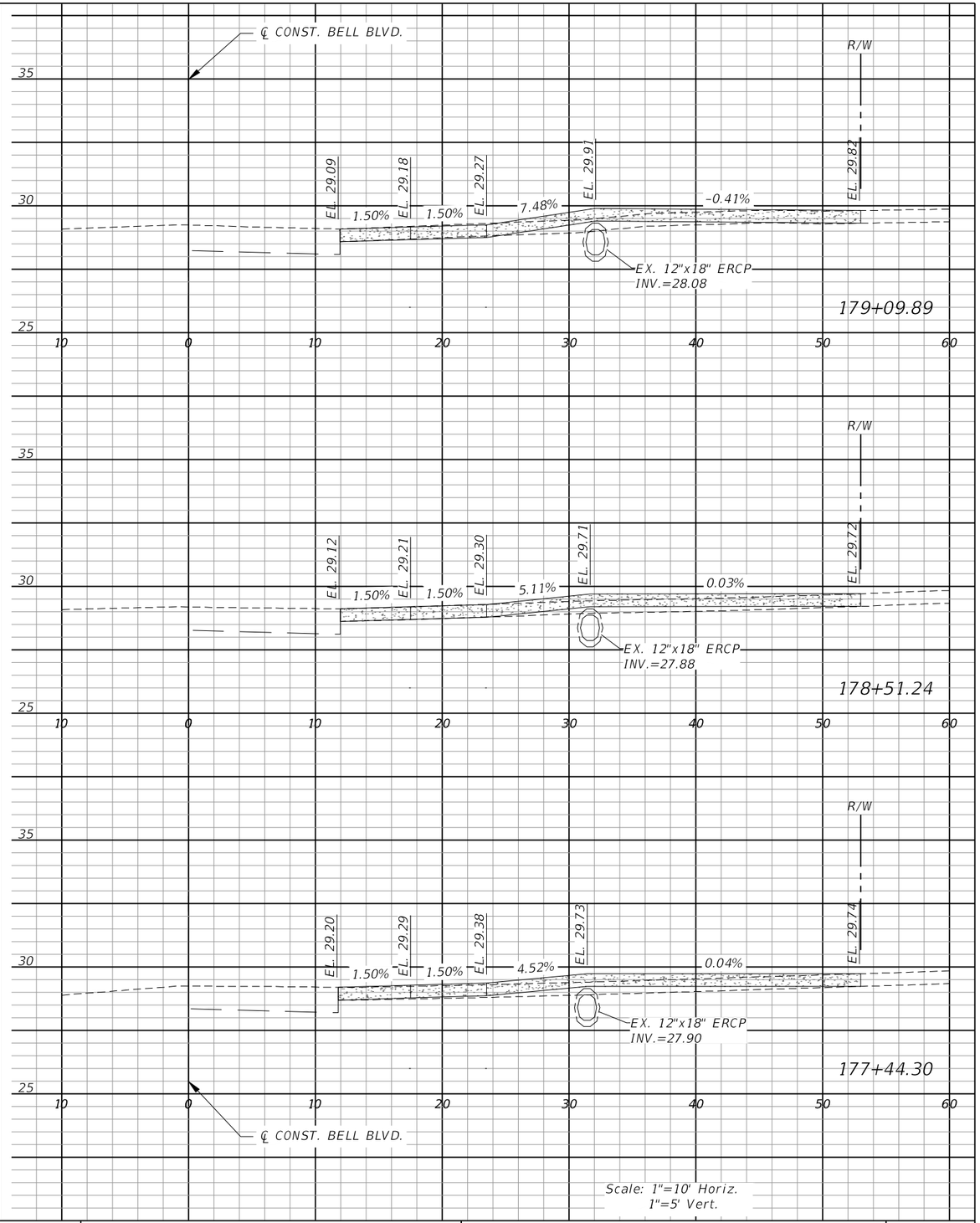
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (7)

SHEET NO. 128





Scale: 1"=10' Horiz.
1"=5' Vert.

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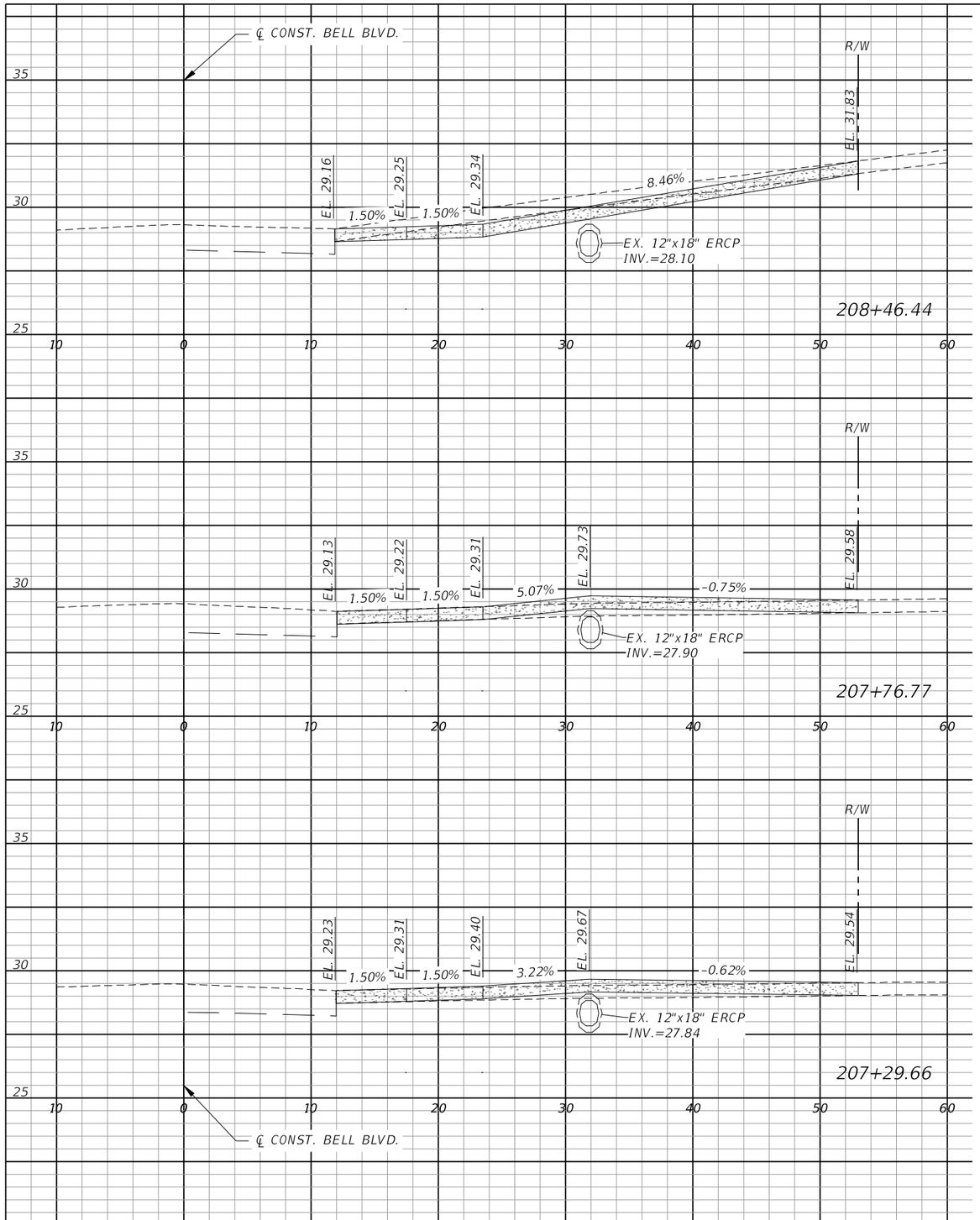
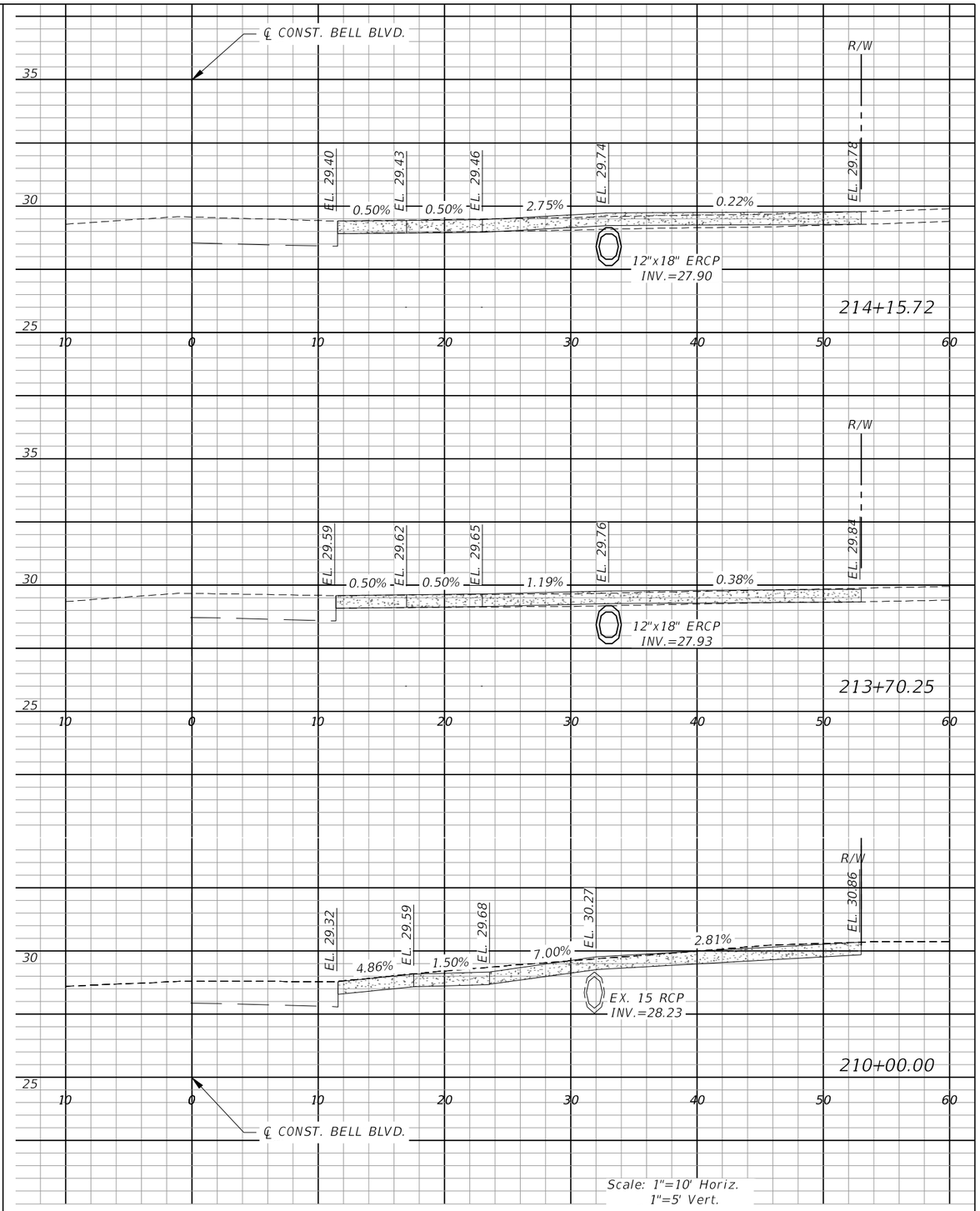
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (8)

SHEET NO. 129





Scale: 1"=10' Horiz.
1"=5' Vert.

REVISIONS			
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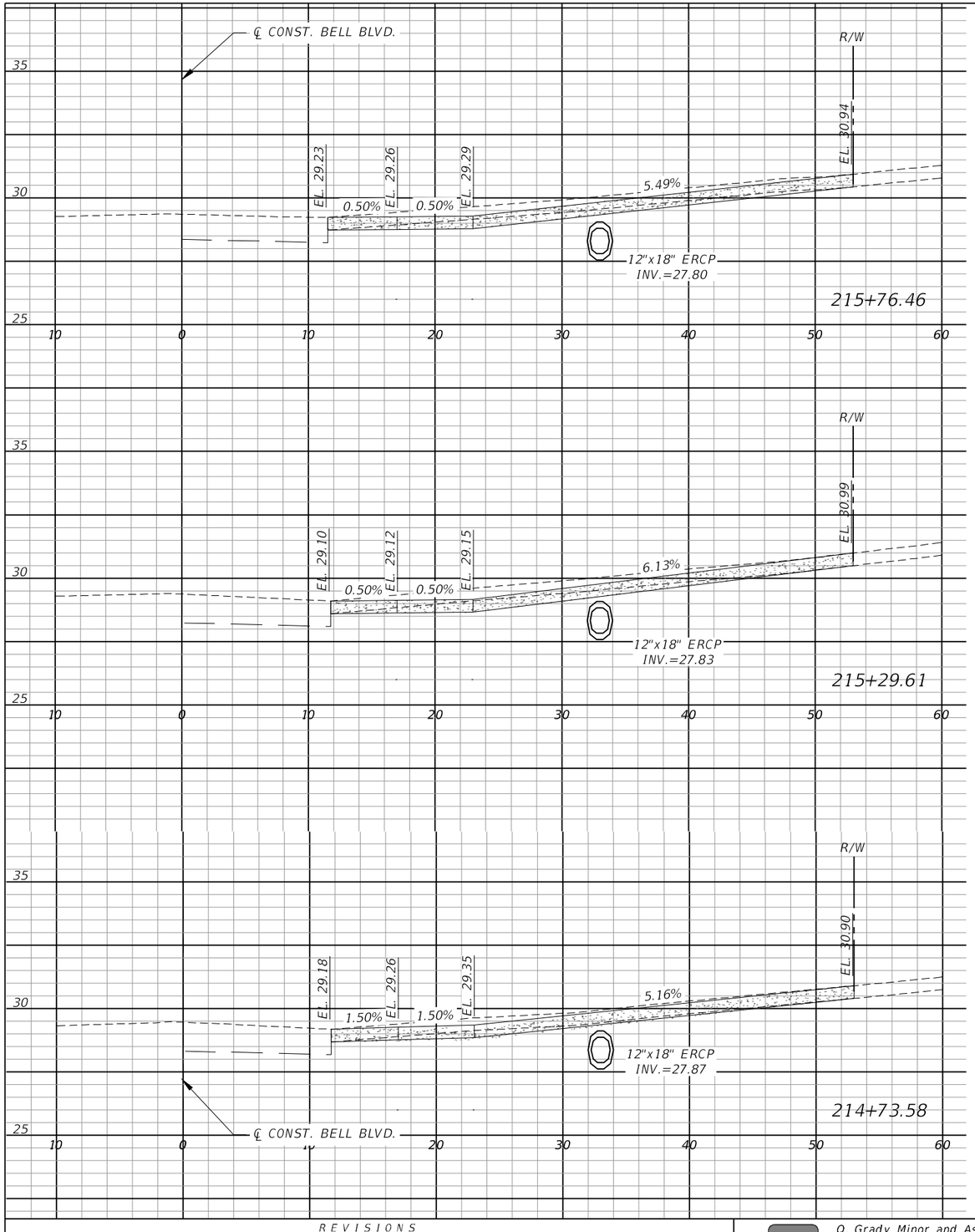
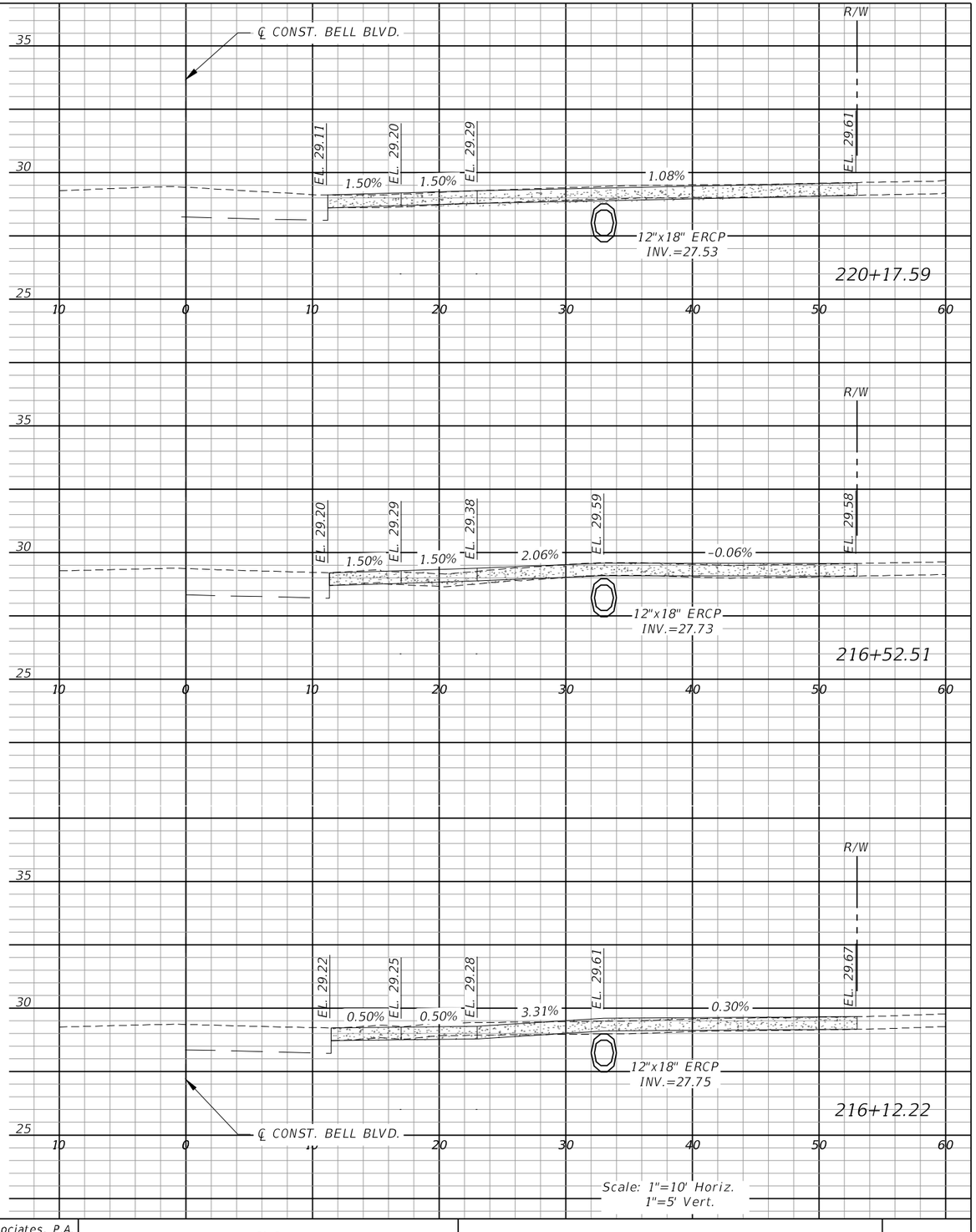
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (9)

SHEET NO. 130





Scale: 1"=10' Horiz.
1"=5' Vert.

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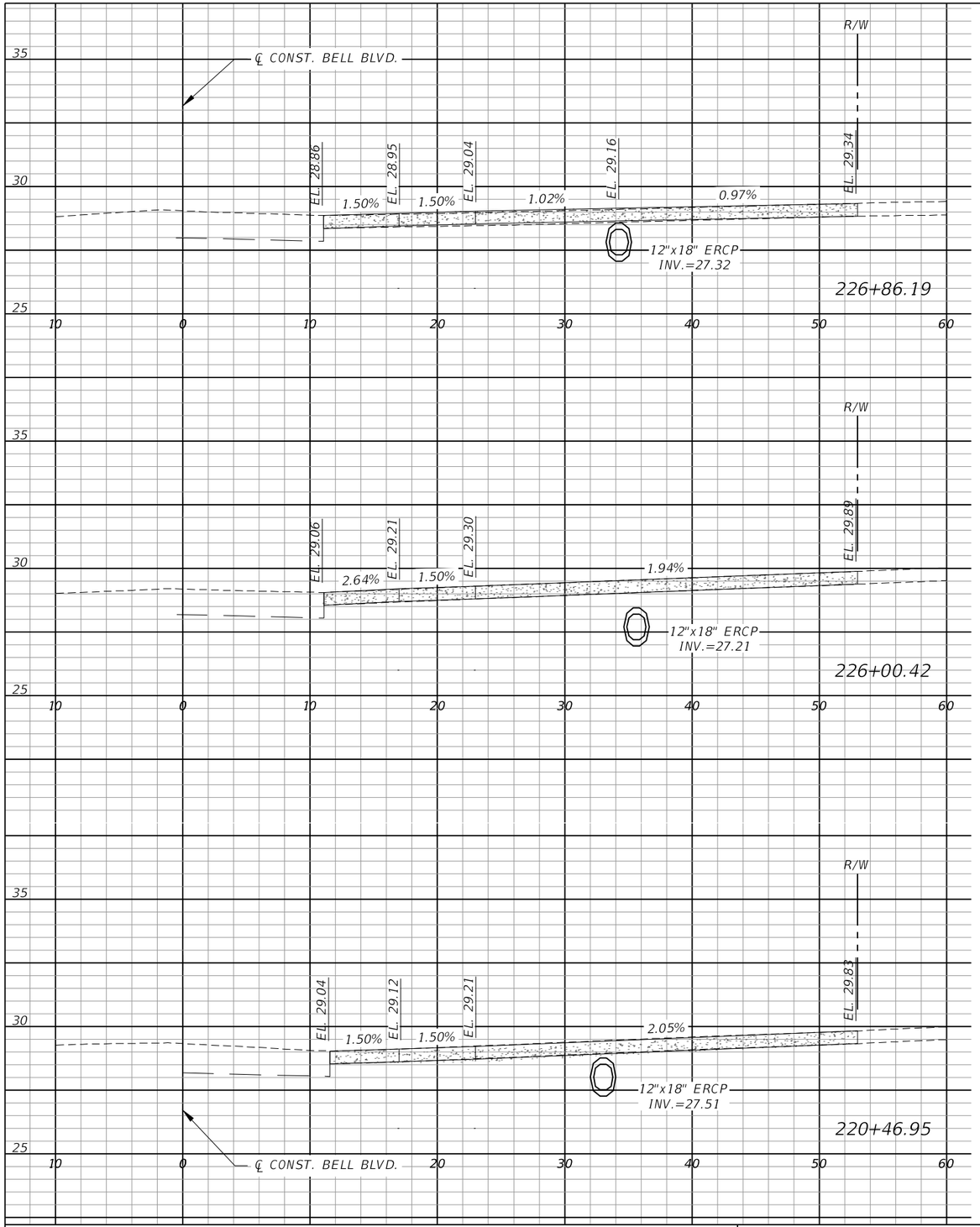
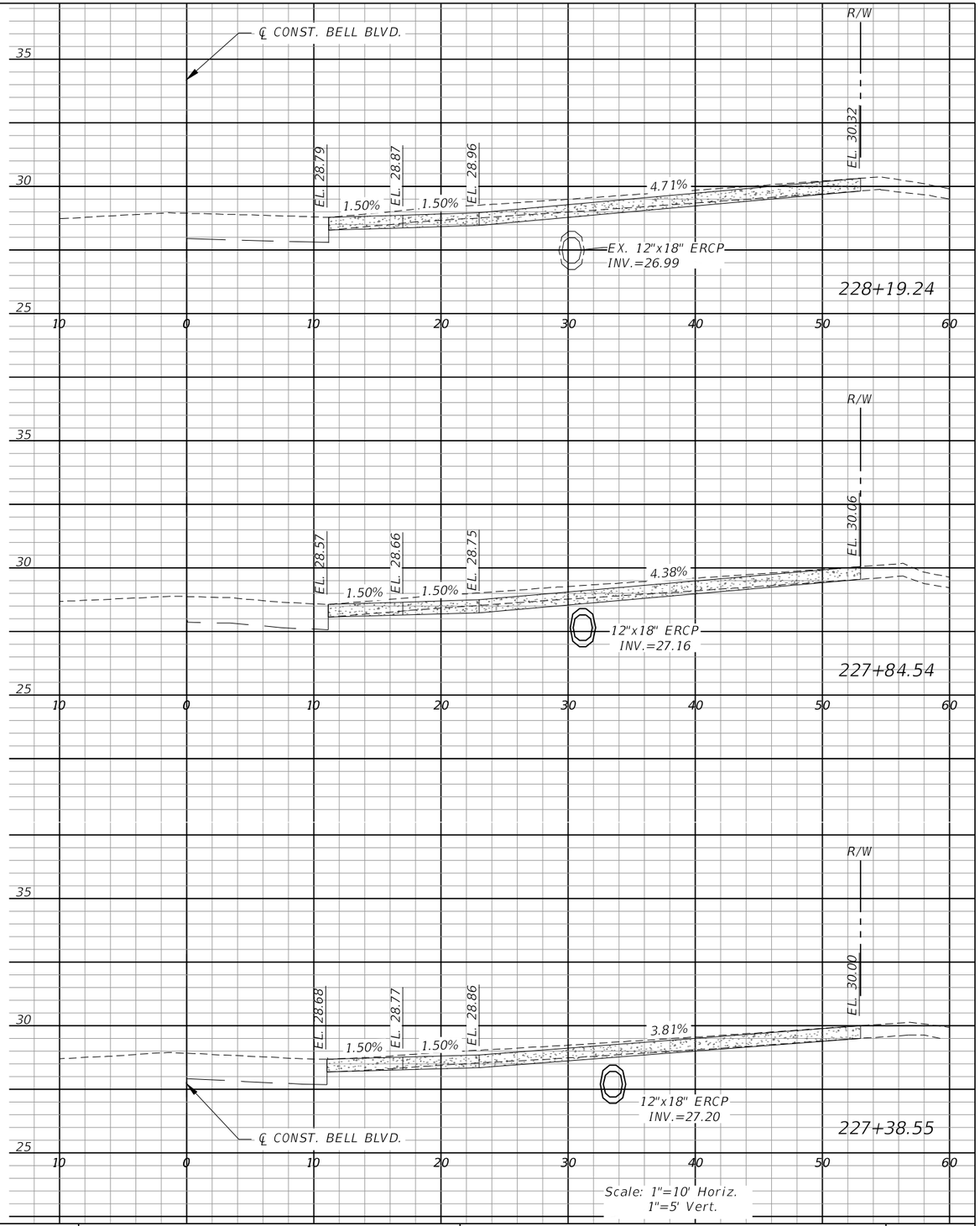
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (10)

SHEET NO. 131





Scale: 1"=10' Horiz.
1"=5' Vert.

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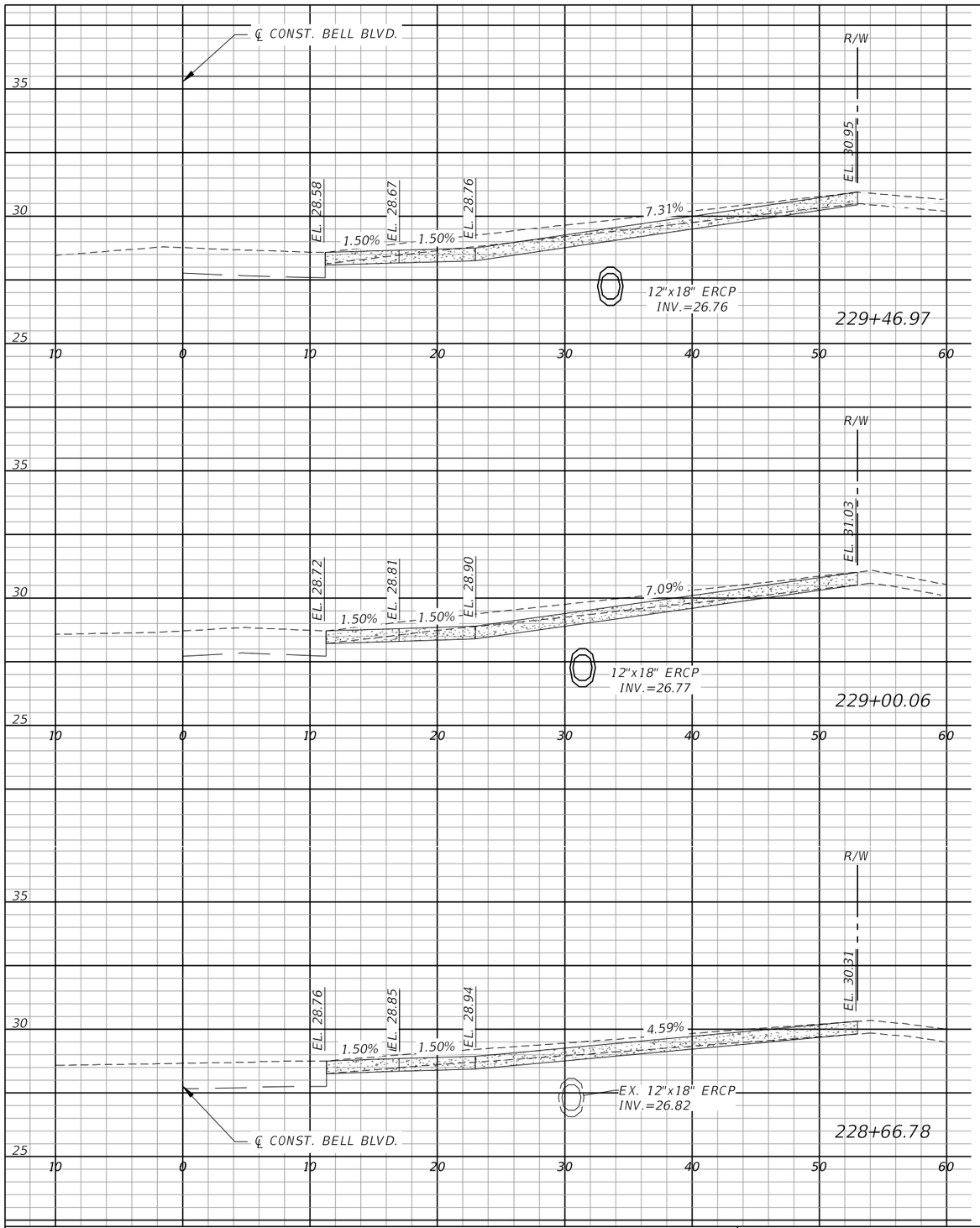
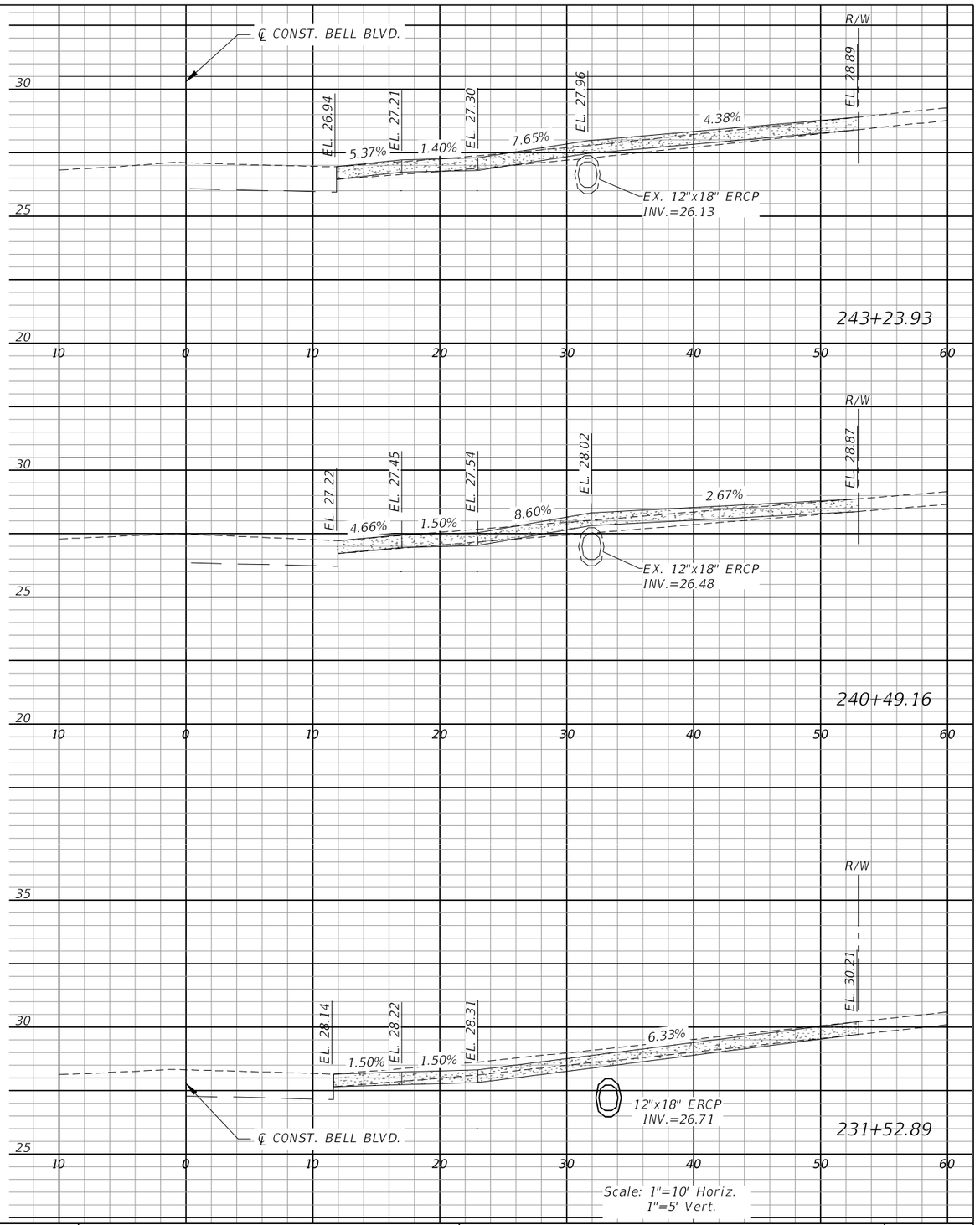
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS
BELL BLVD. (11)

SHEET NO. 132





Scale: 1"=10' Horiz.
1"=5' Vert.

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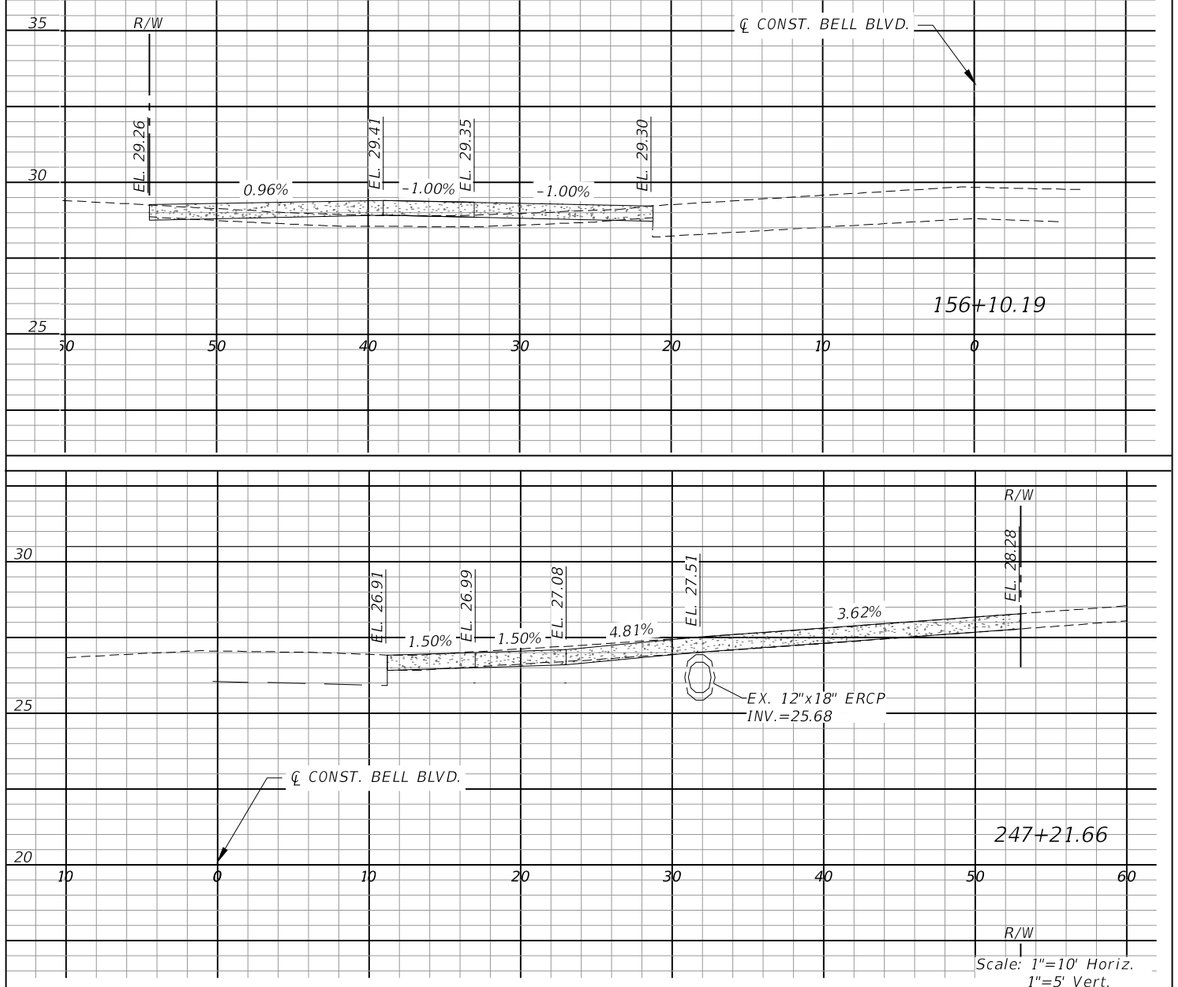
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD. (12)

SHEET NO. 133



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LEE COUNTY

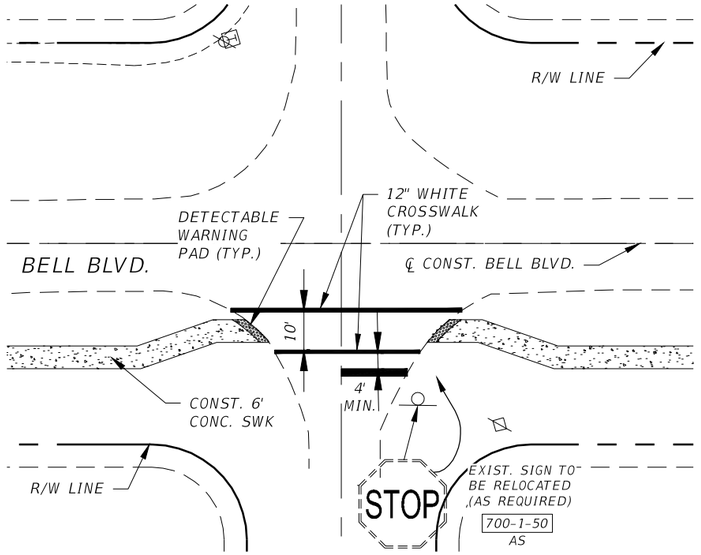
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

DRIVEWAY CROSS SECTIONS BELL BLVD.(13)

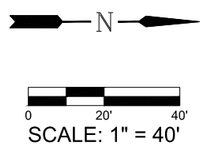
SHEET NO. 134

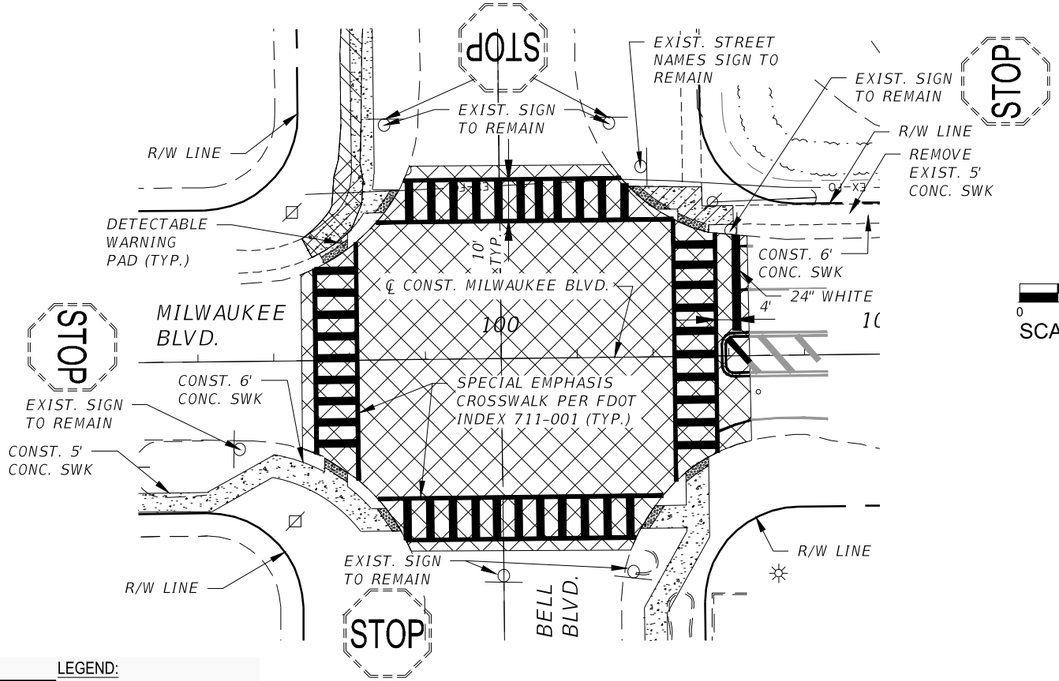
SIDE STREETS

MEADOW RD.
ANCHOR ST.
ALAMO ST. E
NIMITZ BLVD.
ASHER ST. E
FOXTAIL ST. E
NEWELL ST. E
LAMAR ST. E
JAGUAR BLVD.
COLYER ST. E
BRAZOS ST. E
BENTLEY ST. E
CHARLES SISE ST. E
CASPER YOST ST. E
KINGSBURY CT.
THEODORE VAIL ST. E
CHEMSTRAND ST. E
GRANT BLVD.
CARBON ST. E
CALUMET ST. E
CADIS ST. E
ASHLAND ST. E

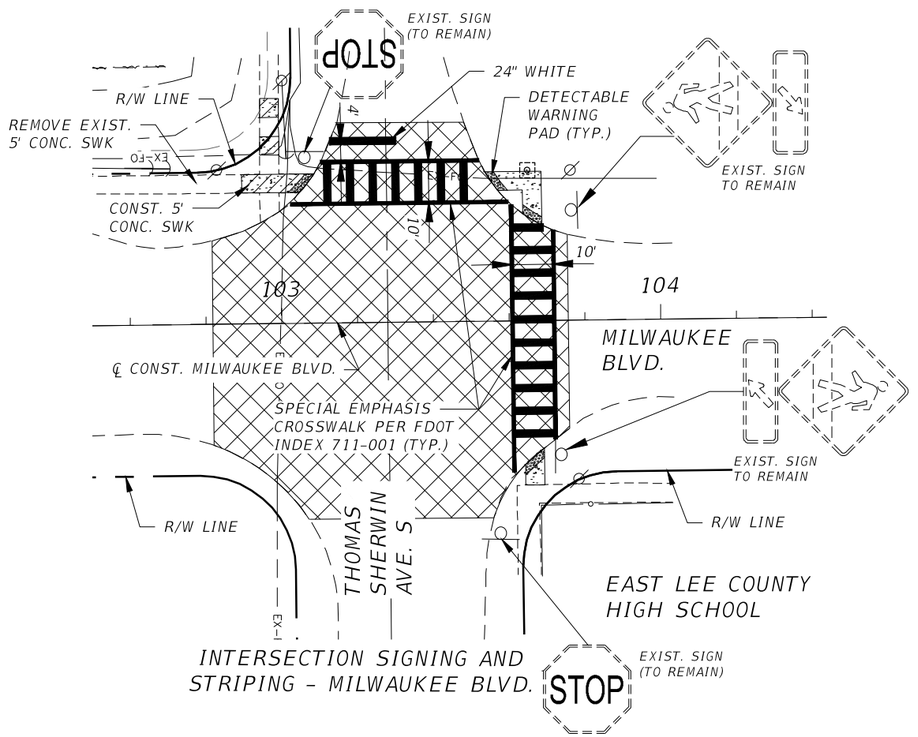


TYPICAL INTERSECTION SIGNING AND STRIPING ALONG BELL BLVD.





INTERSECTION SIGNING AND STRIPING AT MILWAUKEE BLVD.



INTERSECTION SIGNING AND STRIPING – MILWAUKEE BLVD.

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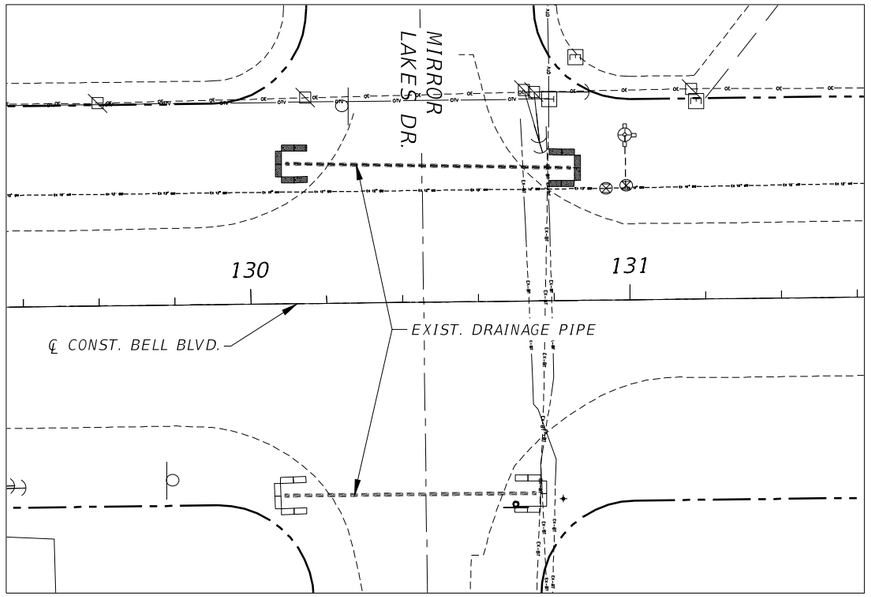
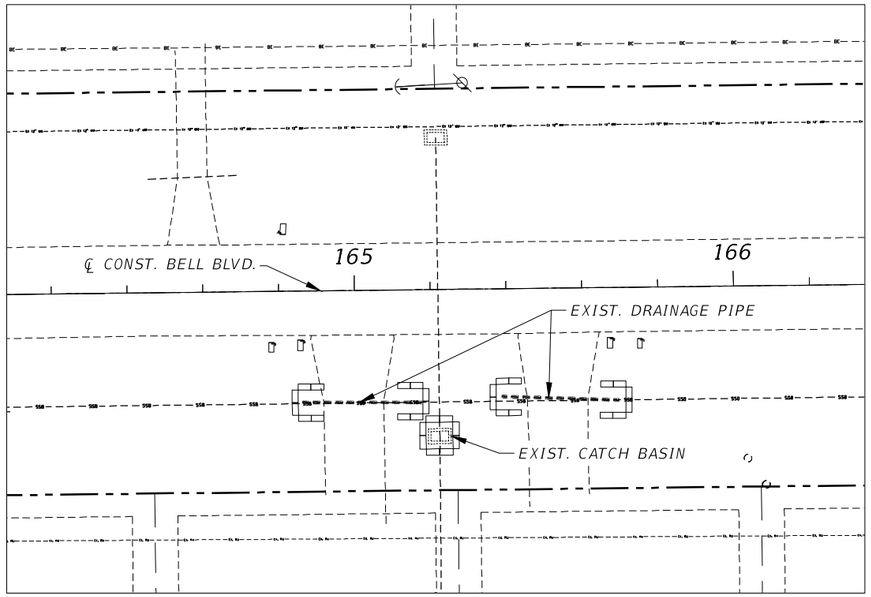
LEE COUNTY

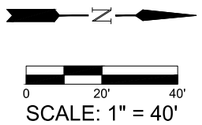
ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

INTERSECTION SIGNING AND PAVEMENT MARKING TYPICAL DETAILS

SHEET NO. 135

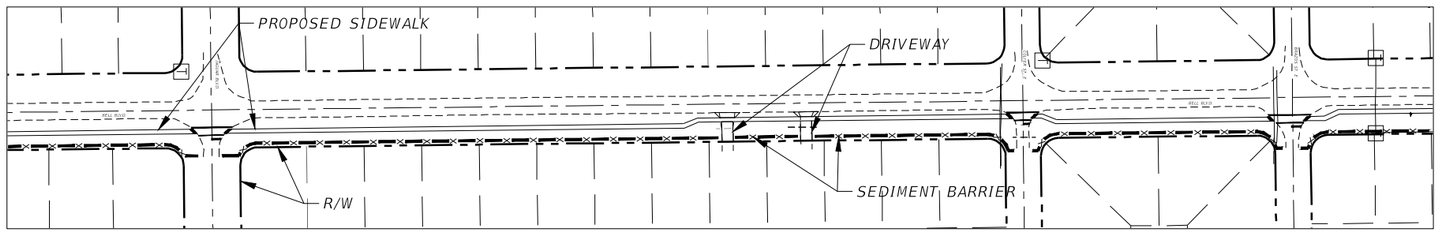






TYPICAL EROSION CONTROL WITH ROADSIDE DITCH SYSTEM

1" = 40'



TYPICAL SEDIMENT BARRIER INSTALLATION

NTS

STRUCTURE TYPE	INLET PROTECTION SYSTEM PAY ITEM 104-18 (EA)	SEDIMENT BARRIER PAY ITEM 104-10-3 (LF)
DITCH BOTTOM INLETS AND MITERED END SECTIONS	66	21,158

NOTE:
TYPICAL EROSION CONTROL FOR DBI AND UNPAVED DITCHES
REFER TO THE "STATE OF FLORIDA EROSION AND SEDIMENT
CONTROL DESIGNER AND REVIEWER MANUAL

LEGEND

INLET PROTECTION SYSTEM

SEDIMENT BARRIER

REVISIONS			
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ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

EROSION CONTROL PLAN

SHEET NO. 136

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS (CALLED THE KEY SHEET) CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSIST OF THE CONSTRUCTION OF NEW 6 FOOT SIDEWALK ALONG THE EASTERN SIDE OF ALEXANDER GRAHAM BELL BLVD. FOR APPROXIMATELY 4 MILES. THE PROJECT BEGINS ON THE NORTH SIDE OF SR-82 AT THE INTERSECTION OF ALEXANDER GRAHAM BELL BLVD. AND EXTENDS NORTH TO SUNRISE BOULEVARD.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSED A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION.

2. STORM DRAIN. CONSTRUCT THE STORM DRAIN PIPE IN THE UPSTREAM DIRECTION.

3. EARTHWORK ASSOCIATED WITH THE CONSTRUCTION OF SIDEWALK AND DRIVEWAYS.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 89.64 ACRES.

TOTAL AREA TO BE DISTURBED: 19.68 ACRES.

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.35

DURING: VARIES FROM 0.35 TO 0.38

AFTER: 0.38

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE PROPOSED MULTI-USE TRAIL ARE SHOWN IN THE FINAL GEOTECHNICAL ENGINEERING SERVICES REPORT. IN GENERAL, THE SUBSURFACE SOILS ENCOUNTERED AT THE HAND AUGER BORING LOCATIONS CONSISTED OF POORLY-GRADED FINE SAND TO FINE SAND WITH SILT (A-3). LAYERS AND POCKETS OF CLAYEY AND SILTY SANDS (A-2+4, A-2-6) WERE ALSO ENCOUNTERED ALONG THE ALIGNMENT OF THE 6 FT SIDEWALK.

OUTFALL INFORMATION:

THERE ARE 10 OUTFALLS.

#1 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO PALMETTO CANAL
STATION - 49+00
LOCATION: LATITUDE 26° 32' 2.36" N, LONGITUDE, 81° 36' 18.36" W.
EST. DRAINAGE AREA SIZE: 10.10 ACRES.
RECEIVING WATER NAME: PALMETTO CANAL

#2 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO BLUE HERON CANAL
STATION - 74+00
LOCATION: LATITUDE 26° 32' 27.52" N, LONGITUDE, 81° 36' 13.72" W.
EST. DRAINAGE AREA SIZE: 13.33 ACRES.
RECEIVING WATER NAME: BLUE HERON CANAL

#3 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO GALLINULE CANAL
STATION - 91+00
LOCATION: LATITUDE 26° 32' 44.58" N, LONGITUDE, 81° 36' 12.79" W.
EST. DRAINAGE AREA SIZE: 6.45 ACRES.
RECEIVING WATER NAME: GALLINULE CANAL

#4 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO KINGFISCHER CANAL
STATION - 111+00
LOCATION: LATITUDE 26° 33' 4.55" N, LONGITUDE, 81° 36' 14.80" W.
EST. DRAINAGE AREA SIZE: 6.23 ACRES.
RECEIVING WATER NAME: KINGFISCHER CANAL

#5 DESCRIPTION: EXISTING DRAINAGE STRUCTURE OUT FALLING TO IBIS CANAL
STATION - 128+50
LOCATION: LATITUDE 26° 33' 24.48" N, LONGITUDE, 81° 36' 15.34" W.
EST. DRAINAGE AREA SIZE: 16.59 ACRES.
RECEIVING WATER NAME: IBIS CANAL

#6 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO COCPLUM CANAL
STATION - 165+25
LOCATION: LATITUDE 26° 33' 57.37" N, LONGITUDE, 81° 36' 19.84" W.
EST. DRAINAGE AREA SIZE: 8.99 ACRES.
RECEIVING WATER NAME: COCPLUM CANAL

#7 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO ANHINGA CANAL
STATION - 182+00
LOCATION: LATITUDE 26° 34' 14.48" N, LONGITUDE, 81° 36' 16.04" W.
EST. DRAINAGE AREA SIZE: 5.98 ACRES.
RECEIVING WATER NAME: ANHINGA CANAL

#8 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO HACKBERRY CANAL
STATION - 208+00
LOCATION: LATITUDE 26° 34' 40.94" N, LONGITUDE, 81° 36' 12.26" W.
EST. DRAINAGE AREA SIZE: 5.87 ACRES.
RECEIVING WATER NAME: HACKBERRY CANAL

#9 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO OYSTER CATCHER CANAL
STATION - 221+50
LOCATION: LATITUDE 26° 34' 53.58" N, LONGITUDE, 81° 36' 11.87" W.
EST. DRAINAGE AREA SIZE: 5.23 ACRES.
RECEIVING WATER NAME: OYSTER CATCHER CANAL

#10 DESCRIPTION: EXISTING DRAINAGE SWALE OUT FALLING TO OSPREY CANAL
STATION - 236+00
LOCATION: LATITUDE 26° 35' 7.42" N, LONGITUDE, 81° 36' 12.44" W.
EST. DRAINAGE AREA SIZE: 10.87 ACRES.
RECEIVING WATER NAME: OSPREY CANAL

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS. THE ARROWS WITHIN THE RIGHT-OF-WAY AND FOR THE PROPERTIES ABUTTING THE RIGHT-OF-WAY REPRESENT THE FLOW DIRECTION. ARROWS ALONG THE EXISTING OUTFALL PIPES REPRESENT THE FLOW TO EACH CANAL FROM EACH BASIN.

* APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN-PROFILE SHEETS AND THE CROSS SECTION SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

* AREAS NOT TO BE DISTURBED: AREAS THAT ARE OUTSIDE THE PROPOSED IMPROVEMENTS ARE SHOWN ON THE PLANS TO REMAIN AS EXISTING.

* LOCATIONS OF TEMPORARY CONTROLS: THESE ARE SHOWN ON THE EROSION CONTROL SHEETS. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED ON THE SAME

1.F. RECEIVING WATERS:

SEE ITEM 1.D FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE NO WETLAND AREAS ON THE PROJECT SITE.

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 137

2.0. CONTROLS:

2.A. EROSION AND SEDIMENT

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

2.A.I STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

* ASPHALT OR CONCRETE SURFACE.
* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.II STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

*INLET PROTECTION IN ACCORDANCE WITH FDEP EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, AND SPECIAL DETAILS SHOWN IN THE TTC PLAN.

PERMANENT:

* SOD

2.B. STORMWATER MANAGEMENT:

2.C. OTHER CONTROLS:

2.C.I WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.
* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.

2.C.II OFF-SITE VEHICLE TRACKING & DUST CONTROL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.
* REMOVING EXCESS DIRT FROM ROADS DAILY.
* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO THE FDEP EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.
* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.III STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS.

IN THE SPECIFICATION SECTION 104, EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.IV FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 982 OF THE SPECIFICATIONS.

2.C.V TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D. APPROVED STATE AND LOCAL PLANS AND PERMITS:

SFWMD - EXEMPTION NO. 36-108620

FDEP - AUTHORIZATION NO. 428834-001 SFG, LEE COUNTY

FDOT GENERAL USE PERMIT - 2024-K-192-00015

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT MINIMUM, COMPLY WITH THE FOLLOWING:

* SILT FENCE: MAINTAIN PER SPECIFICATION SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.
* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

* POINTS OF DISCHARGE TO THE CAPE CORAL CANAL SYSTEM
* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SPECIFICATION SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT DAVE LETTERMAN, DISTRICT HAZARDOUS MATERIALS COORDINATOR AT (305) 63B-R549.

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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 138

TRAFFIC CONTROL PLAN GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT STANDARD PLANS, INDEX 102-600 SERIES.

   A. INDEX 102-603 SHALL BE USED DURING CONSTRUCTION ACTIVITIES CLOSER THAN 2' FROM THE TRAVELED WAY.

   B. INDEX 102-602 SHALL BE USED DURING SHOULDER GRADING & CONSTRUCTION ACTIVITIES BETWEEN 2' AND 15' FROM THE TRAVELED WAY.

   C. INDEX 102-601 SHALL BE USED FOR CONSTRUCTION ACTIVITIES 15' OR MORE FROM THE TRAVELED WAY.

2. CONSTRUCTION OPERATIONS SHALL COMPLY WITH ALL LOCAL CITY, COUNTY AND STATE NOISE ORDINANCES.

3. THREE (3) PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) WILL BE REQUIRED FOR THIS PROJECT.

   A. TWO (2) PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) FOR BOTH EASTBOUND AND WESTBOUND SR 82 SHALL BE PLACED 500 FT IN ADVANCE OF THE FIRST WORK ZONE SIGN AND DISPLAY THE FOLLOWING SEQUENCE:

   TO BE USED 14 DAYS PRIOR TO BEGINNING OF CONSTRUCTION:
   1. BELL
   2. CONST.
   3. "DATE"

   B. ONE (1) PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) FOR SOUTHBOUND BELL BLVD SHALL BE PLACED 500 FT IN ADVANCE OF THE FIRST WORK ZONE SIGN AND DISPLAY THE FOLLOWING SEQUENCE:

   TO BE USED 14 DAYS PRIOR TO BEGINNING OF CONSTRUCTION:
   1. BELL
   2. CONST.
   3. "DATE"

4. ALL LANES MUST BE OPEN FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PROJECT ENGINEER..

5. THE ROADWAY MUST BE OPEN TO TWO-WAY TRAFFIC AT THE END OF EACH CONSTRUCTION DAY. TEMPORARY STRIPING SHALL BE USED AT THE END OF EACH CONSTRUCTION DAY AND SHALL BE INCLUDED IN THE PAY ITEM 102-1 MAINTENANCE OF TRAFFIC (LS).

6. FDOT STANDARD PLANS INDEX 102-600 WORK ZONE SIGNS SHALL BE ADJUSTED TO THE PROPOSED WORK ZONE PRIOR TO THE START OF WORK FOR EACH DAY DURING THE DURATION OF THE PROJECT.

7. ACCESS SHALL BE CONTINUOUSLY MAINTAINED AT ALL SIDE STREETS AND DRIVEWAYS FOR THE DURATION OF THE PROJECT, UNLESS PREVIOUSLY APPROVED BY THE COUNTY.

8. REGULATORY SPEED ALONG BELL BLVD. IS 45 MPH.

9. THE COST OF MAINTENANCE OF TRAFFIC OPERATIONS, INCLUDING ALL PCMS BOARDS, SHALL BE INCLUDED UNDER THE LUMP SUM PAY ITEM FOR MAINTENANCE OF TRAFFIC.

10. THE CONTRACTOR SHALL NOTIFY LEE COUNTY PUBLIC WORKS A MINIMUM OF 7 DAYS PRIOR TO A LANE CLOSURE THAT WILL EXCEED TWO HOURS.

11. THE SEQUENCE OF CONSTRUCTION AND METHODS DESCRIBED IN THIS PLAN SET IS A SUGGESTED MAINTENANCE OF TRAFFIC SCHEME. A MOT PLAN IS NOT INCLUDED IN THE PLANS AND SHALL NOT BE PROVIDED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT A MOT PLAN FOR REVIEW/APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SEE EXHIBIT I - SUPPLEMENTAL SPECIFICATIONS FOR TCP SUBMITTAL REQUIREMENTS.

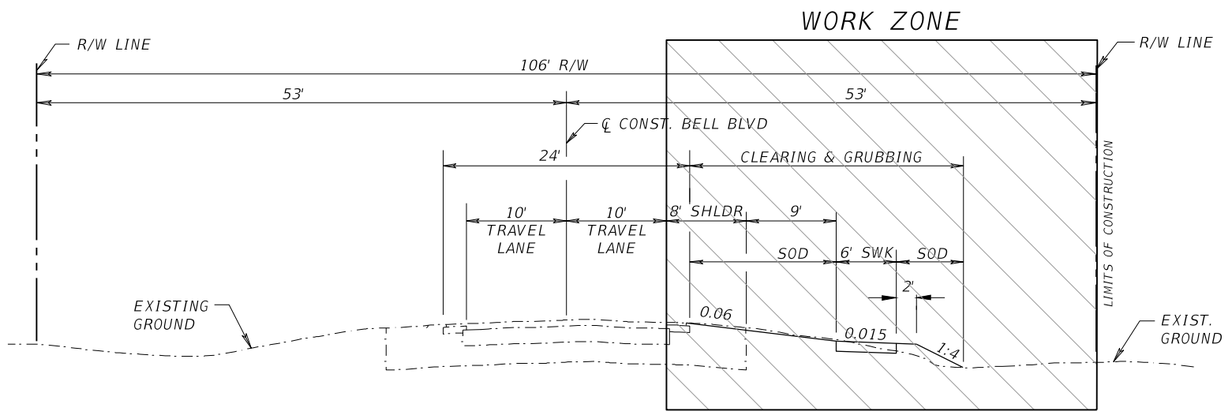
12. NO LANE CLOSURES ALLOWED BETWEEN 6:00 A.M. TO 9:00 A.M. AND FROM 4:00 P.M. TO 7:00 P.M., UNLESS OTHERWISE DIRECTED BY THE COUNTY ENGINEER. DURING PEAK SEASON (THANKSGIVING – EASTER), DAYTIME LANE CLOSURES WILL NOT BE PERMITTED ON ARTERIAL AND COLLECTOR ROADWAYS. DURING THIS TIME PERIOD, ALL LANE CLOSURES WILL BE ALLOWED TO COMMENCE AFTER 7:00 P.M. AND ALL LANES RE-OPENED AT 6:00 A.M. LANE CLOSURES MAY BE DONE ON WEEKENDS OR DURING DAYTIME HOURS WITH PRIOR APPROVAL OF THE LEE COUNTY DIRECTOR OF TRANSPORTATION OR DESIGNEE.

13. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT OR REMOVE LANE CLOSURE OR CHANNELIZATION. UNDER THESE CONDITIONS, THE CONTRACTOR SHALL RESPOND AND PROVIDE ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL ALSO RESPOND WITHIN THE CONSTRAINTS OUTLINED IN THE STANDARD SPECIFICATIONS UPON NOTIFICATION BY THE ENGINEER OF ANY REQUESTS FOR CORRECTION, IMPROVEMENT, OR MODIFICATION TO THE TRAFFIC CONTROL PLAN AND/OR DEVICES. THE COST OF THIS SERVICE AND THE MAINTENANCE OF THE TEMPORARY PAVEMENT SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR MAINTENANCE OF TRAFFIC.

14. FDOT RIGHT OF WAY: LANE CLOSURE RESTRICTIONS APPLY, NO LANE CLOSURES BETWEEN 6:00 A.M. TO 7:00 P.M.

PHASING NOTES

- CONSTRUCT DRAINAGE CULVERTS & DRAINAGE STRUCTURES
- EARTHWORK
- PLACE CONCRETE (DRIVEWAYS & SIDEWALK)
- MILLING & RESURFACING
- FINAL STRIPING AND SIGNAGE



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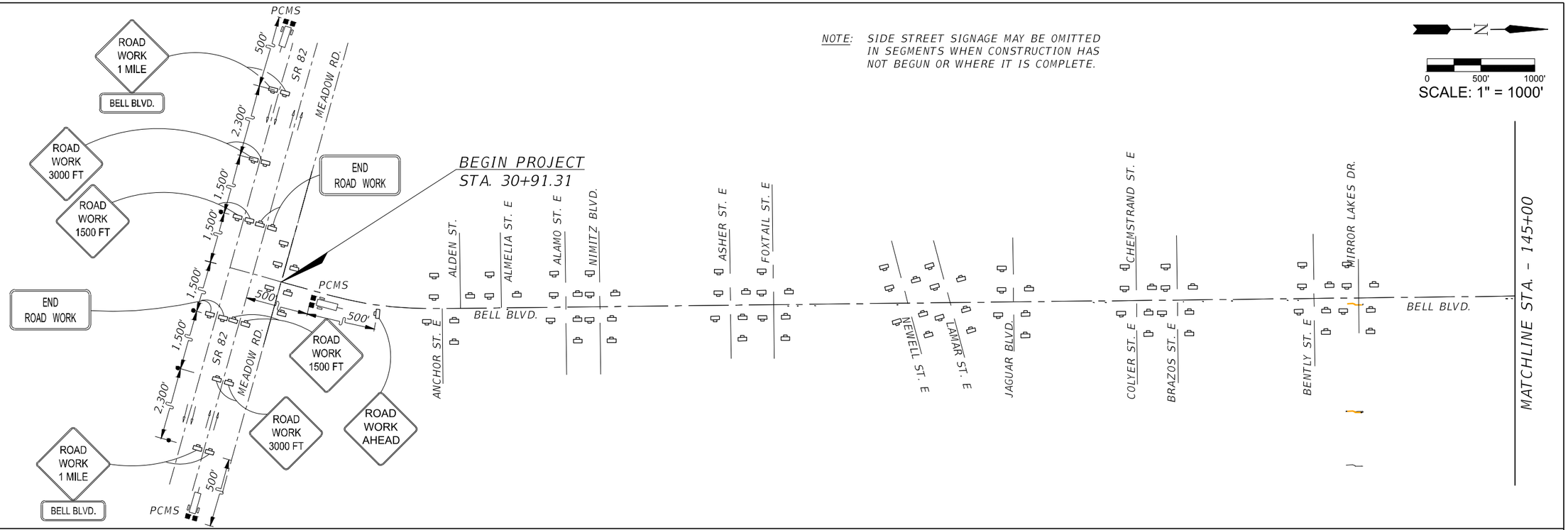
LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

TEMPORARY TRAFFIC CONTROL

SHEET NO. 139



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LEE COUNTY

ROAD NO.	COUNTY PROJECT NO.
BELL BLVD. SR 82 TO SUNRISE BLVD. SIDEWALK	6002

TEMPORARY TRAFFIC CONTROL ADVANCED WARNING SIGNING

SHEET NO. 140