

LEE COUNTY
DEPARTMENT OF TRANSPORTATION
CONTRACT PLANS

STRINGFELLOW ROAD SHARED USE PATH
EIGHTH AVE TO YORK ROAD
LEE COUNTY PROJECT NO. 206002

INDEX OF ROADWAY PLANS

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DEVELOPMENTAL STANDARD PLANS:



GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY 2018-19 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

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

APPLICABLE IRs:

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July 2018 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

BEGIN PROJECT
STA. 0+00.00

END PROJECT
STA. 35+31.66

PROJECT
LOCATION

90% PLANS

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

MICHAEL T. JOHNSON, P.E.
1514 BROADWAY - SUITE 202
FT. MYERS, FLORIDA 33901-3015
(239) 334-7275

PLANS PREPARED BY:
ATKINS

1514 BROADWAY
SUITE 202
FT. MYERS, FLORIDA 33901-3015
(239) 334-7275
VENDOR NO. F590896138001
FBPR CERTIFICATE OF AUTHORIZATION NO. 24

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

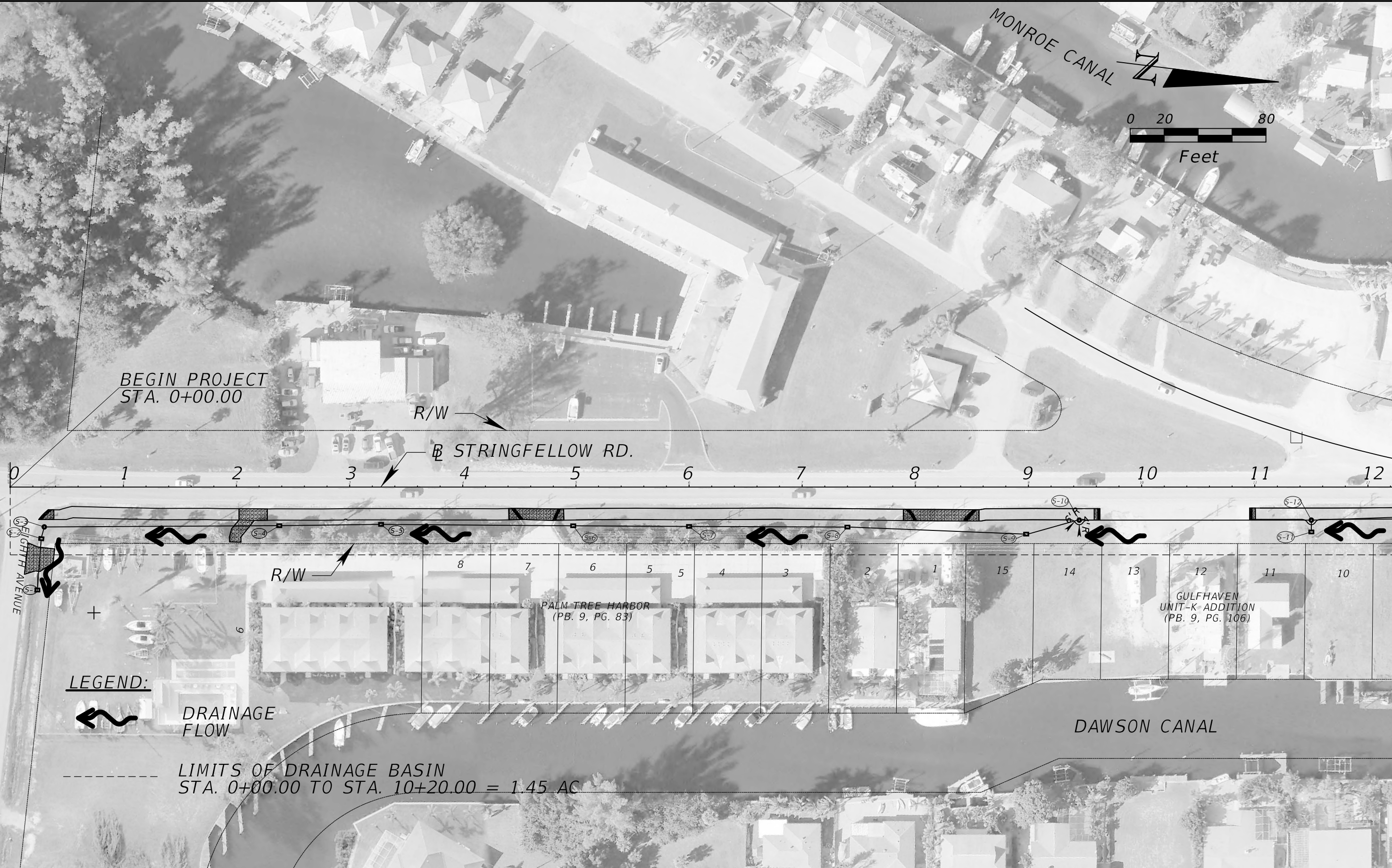
ROADWAY PLANS
ENGINEER OF RECORD: Michael T. Johnson, P.E.


P.E. NO.: 84341

SFWMD SUBMITTAL

FISCAL YEAR	SHEET NO.
18	1

SUMMARY OF SIDE DRAIN & INLETS									
LOCATION STA. TO STA.		SIDE	PIPE LENGTH - LF ROUND 12"24"		INLETS	INLETS	MANHOLE	DESIGN NOTES	CONSTRUCTION REMARKS
					DBI TYPE C, <10'	BOS TYPE C (MOD.), <10'			
0+24.04	0+27.47	RT		45.0	1			S-1	
0+27.47	0+30.07	RT		8.0	1			S-2	
0+30.07	2+37.77	RT		205.0			1	S-3	
2+37.77	3+27.78	RT		87.0	1			S-4	
3+27.78	4+97.63	RT		167.0	1			S-5	
4+97.63	6+00.00	RT		99.0	1			S-6	
6+00.00	7+40.00	RT		137.0	1			S-7	
7+40.00	8+97.97	RT		155.0	1			S-8	
8+97.97	9+44.87	RT		45.0	1			S-9	
9+44.87	11+50.00	RT		202.0			1	S-10	
11+50.00	12+43.04	RT	8	90.0	1		1	S-11, S-12	
12+43.04	13+36.12	RT		91.0		1		S-13	
13+36.12	15+20.00	RT		182.0		1		S-14	
15+20.00	15+97.67	RT		77.0		1		S-15	
15+97.67	16+43.08	RT	3	44.0	1			S-15A	
16+43.08	17+42.60	RT		99.0		1		S-16	
17+42.60	18+31.17	RT	12	88.0	1			S-17	
18+31.17	19+44.25	RT		111.0		1		S-18	
19+44.25	20+20.47	RT		74.0		1		S-19	
20+20.47	20+83.54	RT		61.0		1		S-20	
20+83.54	22+01.76	RT		116.0		1		S-21	
22+01.76	23+50.00	RT		146.0		1		S-22	
23+50.00	24+60.00	RT		108.0		1		S-23	
24+60.00	25+87.62	RT		125.0	1	1		S-24	
25+87.62	26+45.97	RT		55.0	1			S-25	
26+45.97	27+24.54	RT		75.0	1			S-26	
27+24.54	27+63.92	RT		36.0	1			S-27	
27+63.92	28+11.18	RT		44.0	1			S-28	
28+11.18	28+83.16	RT		69.0	1			S-29	
28+83.16	29+65.75	RT		79.0	1			S-30	
29+65.75	30+46.41	RT		78.0	1			S-31	
30+46.41	31+26.50	RT		77.0	2			S-32, S-33	
SUB-TOTAL:			23.0	3075.0	21	11	3		
TOTAL:			23	3075	21	11	3		




REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION		DRAINAGE MAP (1) STRINGFELLOW ROAD	SHEET NO. 7
DATE	DESCRIPTION			ROAD	COUNTY		
				STRINGFELLOW ROAD	LEE	206002	

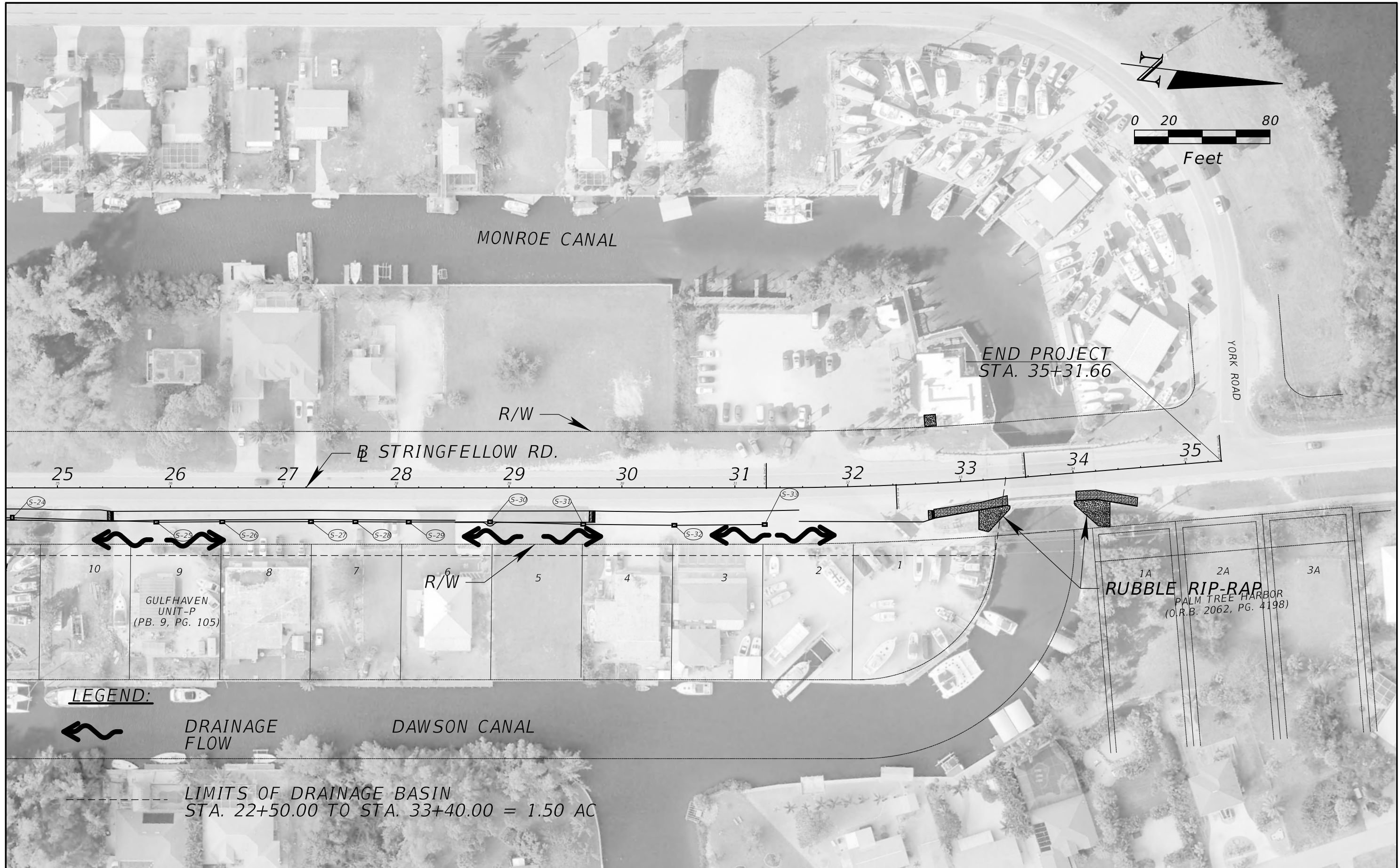
MATCHLINE STA. 12+22.34

MATCHLINE STA. 24+54.34

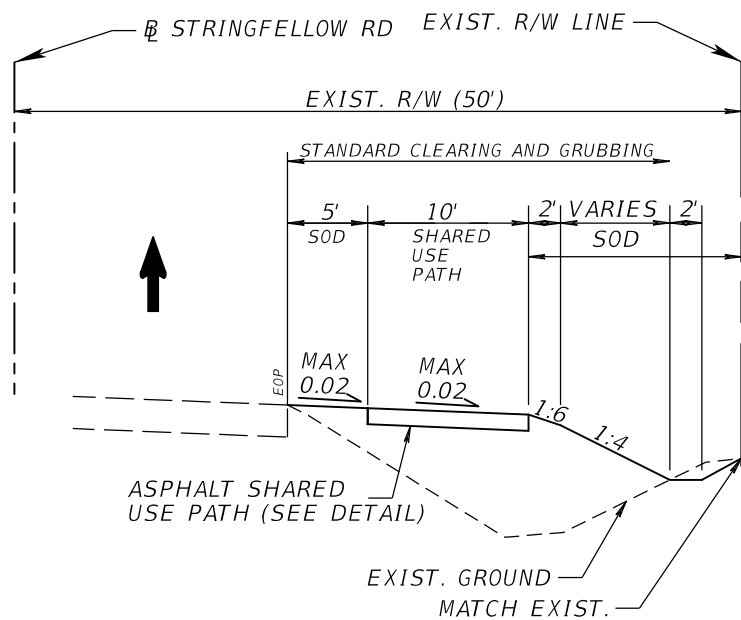


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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		
					8			

MATCHLINE STA. 24+54.34



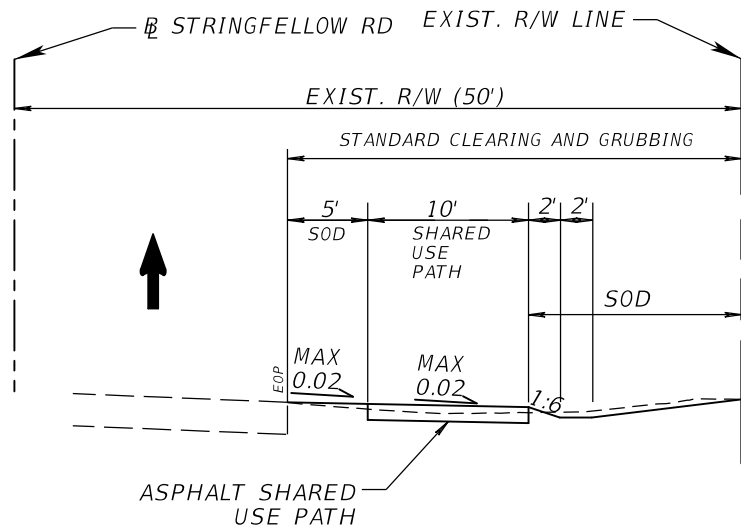
REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			DRAINAGE MAP (3) STRINGFELLOW ROAD	SHEET NO. 9
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		



TYPICAL SECTION

N.T.S.

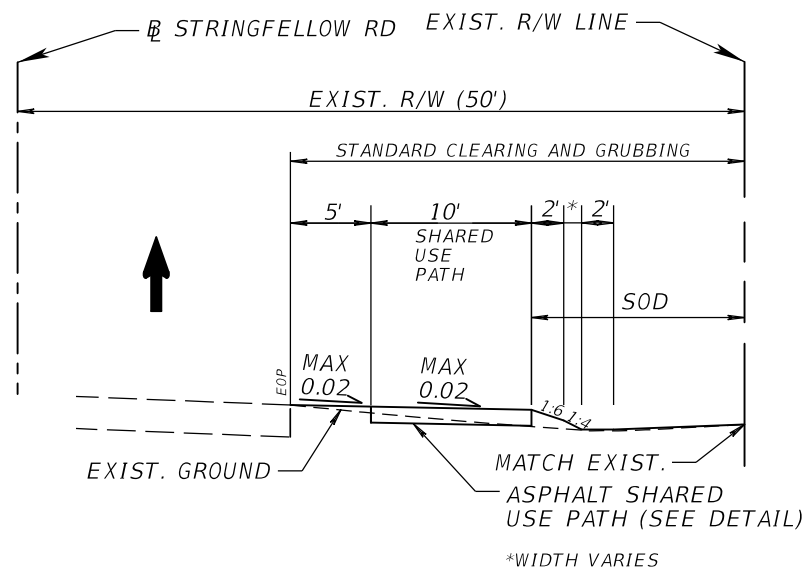
STA. 0+50.00 TO STA. 2+00.00
 STA. 8+00.70 TO STA. 9+63.15
 STA. 10+83.15 TO STA. 13+40.00
 STA. 19+10.00 TO STA. 19.69.71
 STA. 21+47.67 TO STA. 23+86.87
 STA. 24+24.15 TO STA. 25+49.43
 STA. 28+84.56 TO STA. 29+75.89
 STA. 32+50.00 TO STA. 32+75.17



TYPICAL SECTION

N.T.S.

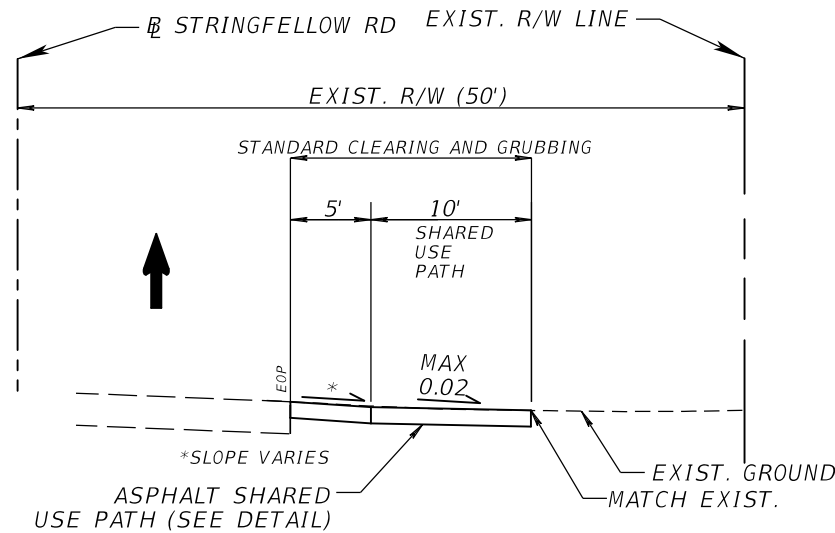
STA. 14+23.94 TO STA. 14+70.53
 STA. 15+75.50 TO STA. 16+22.34
 STA. 17+75.59 TO STA. 18+50.00
 STA. 19+69.71 TO STA. 21+47.67



TYPICAL SECTION

N.T.S.

STA. 2+00.00 TO STA. 8+00.70
 STA. 9+63.15 TO STA. 10+83.15



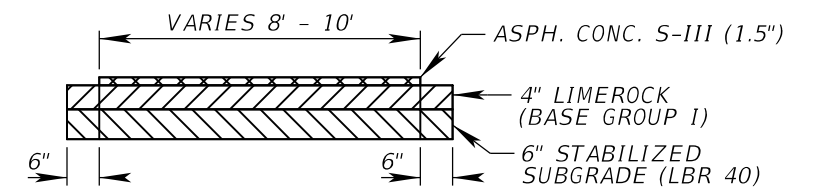
TYPICAL SECTION

N.T.S.

STA. 16+97.37 TO STA. 17+14.08
 STA. 18+50.00 TO STA. 19+10.00
 STA. 23+86.87 TO STA. 24+24.15
 STA. 25+49.43 TO STA. 28+84.56
 STA. 29+75.89 TO STA. 32+50.00

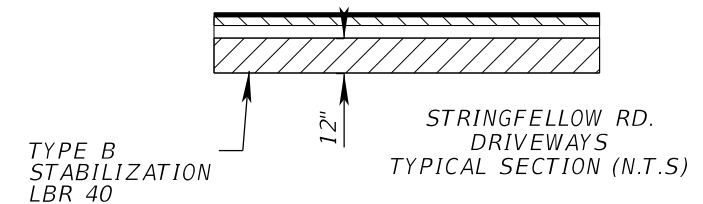
TYPICAL SIDEWALK SECTION

N.T.S.



TYPICAL ASPHALT PAVEMENT SECTION

N.T.S.

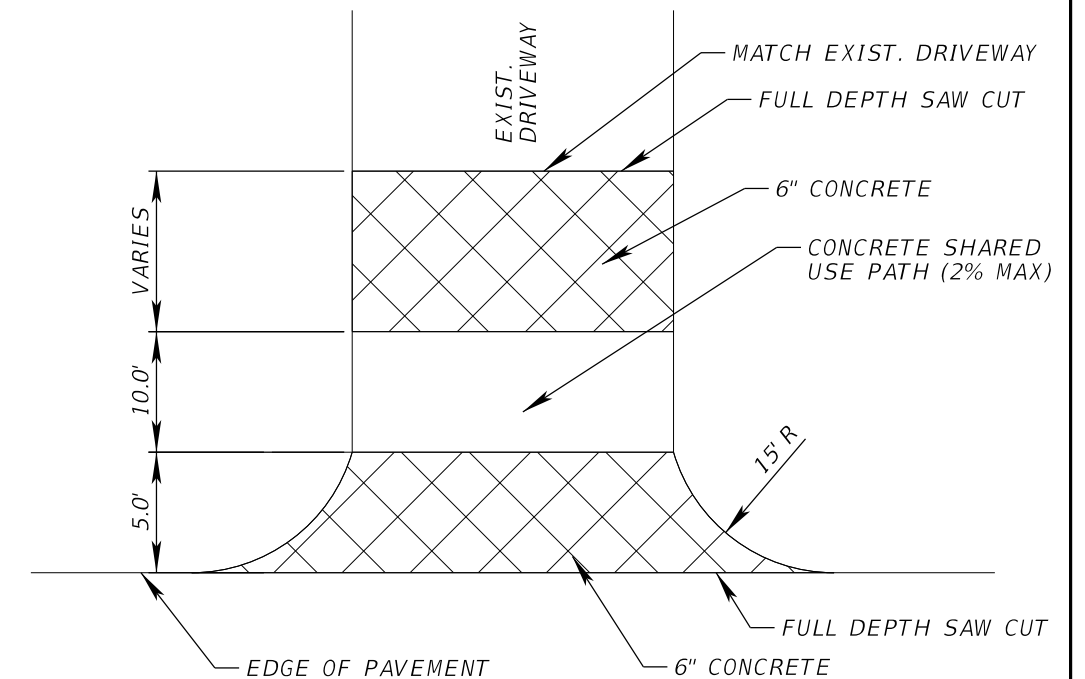


ASPHALTIC CONCRETE TYPE S-III (1")
 ASPHALTIC CONCRETE TYPE S-I (2.5")
 OPTIONAL BASE GROUP 09
 TYPE B STABILIZATION LBR 40 (12")


DRIVEWAY DETAIL

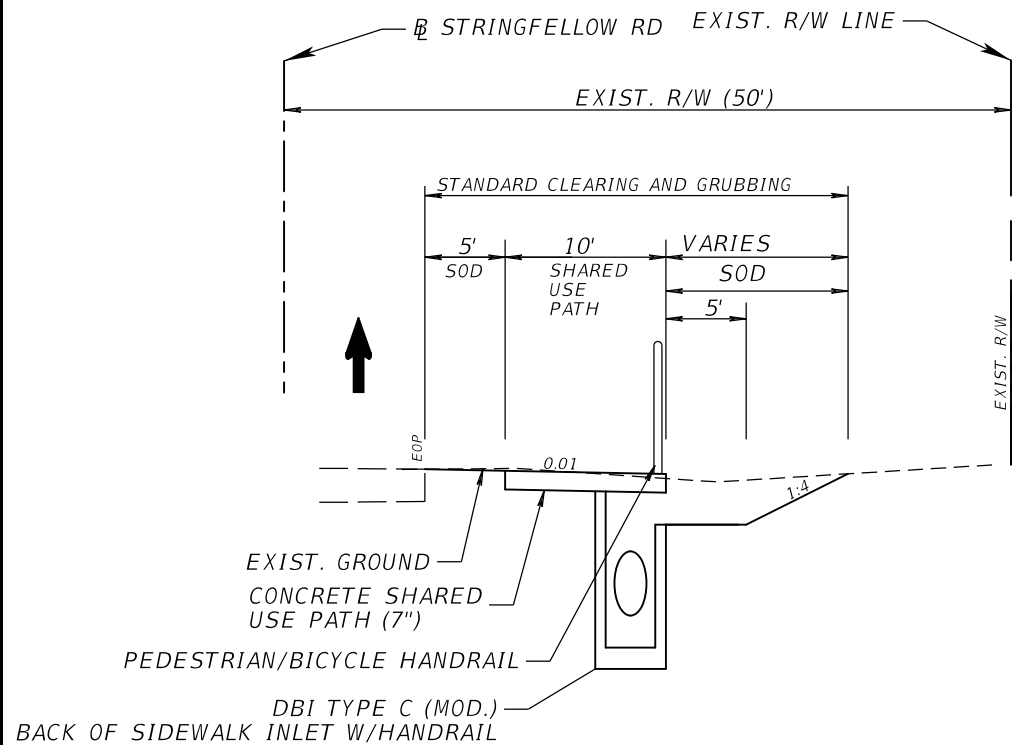
N.T.S.

(RESIDENTIAL DRIVEWAYS ONLY)



*WHERE RADIUS RETURNS ARE USED, RADII SHALL BE 15' MIN. PER FDOT STANDARD

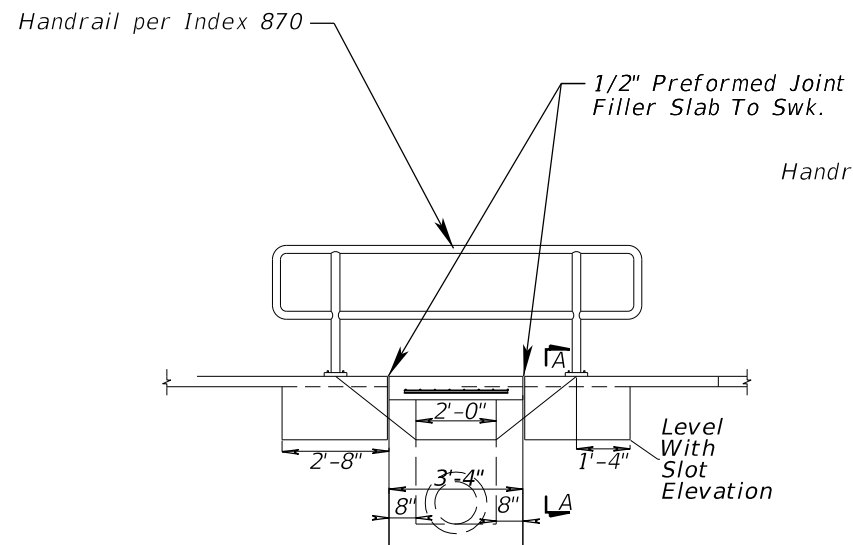
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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		



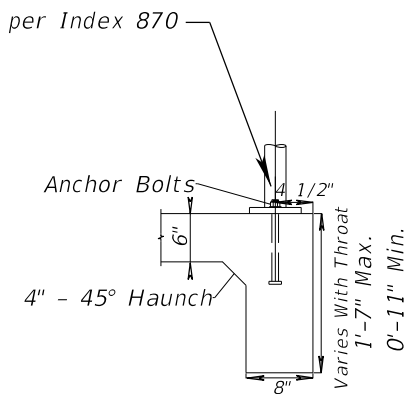
TYPICAL SECTION

N.T.S.

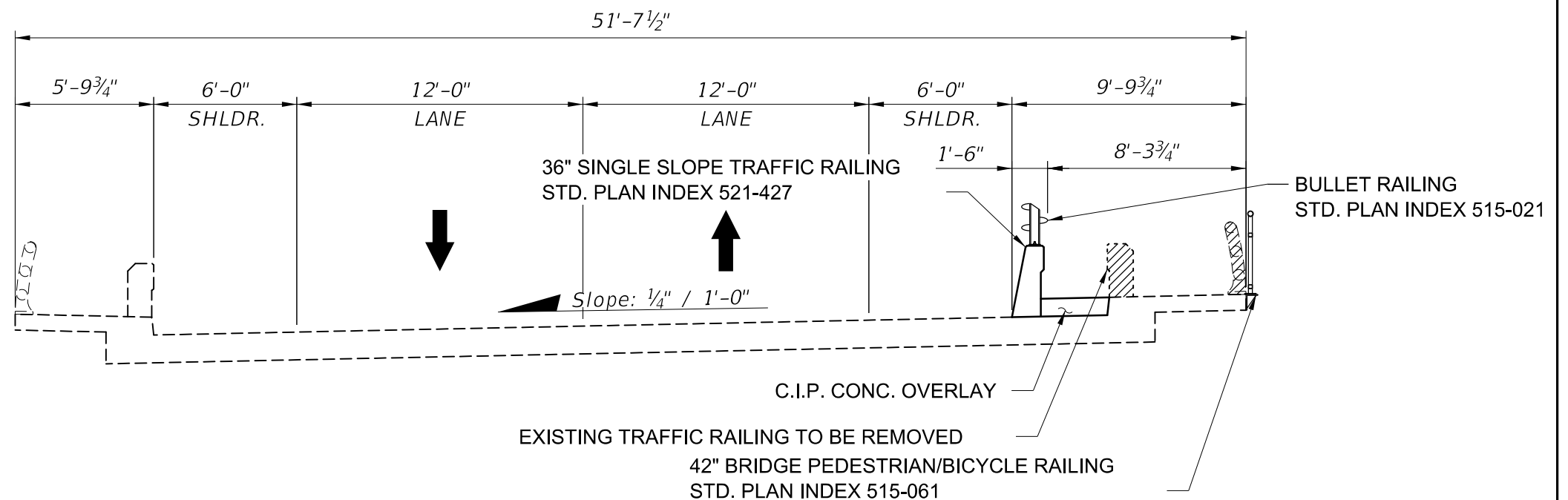
STA. 12+43.04
STA. 13+36.12
STA. 15+20.00
STA. 16+43.08
STA. 18+31.17
STA. 19+44.25
STA. 20+20.47
STA. 20+83.54
STA. 22+01.76
STA. 23+50.00
STA. 24+60.00



TYPICAL HANDRAIL PLACEMENT AT
DITCH BOTTOM INLET TYPE C (MOD.)
(SEE PLAN SHEETS AND DRAINAGE SECTIONS FOR LOCATIONS)




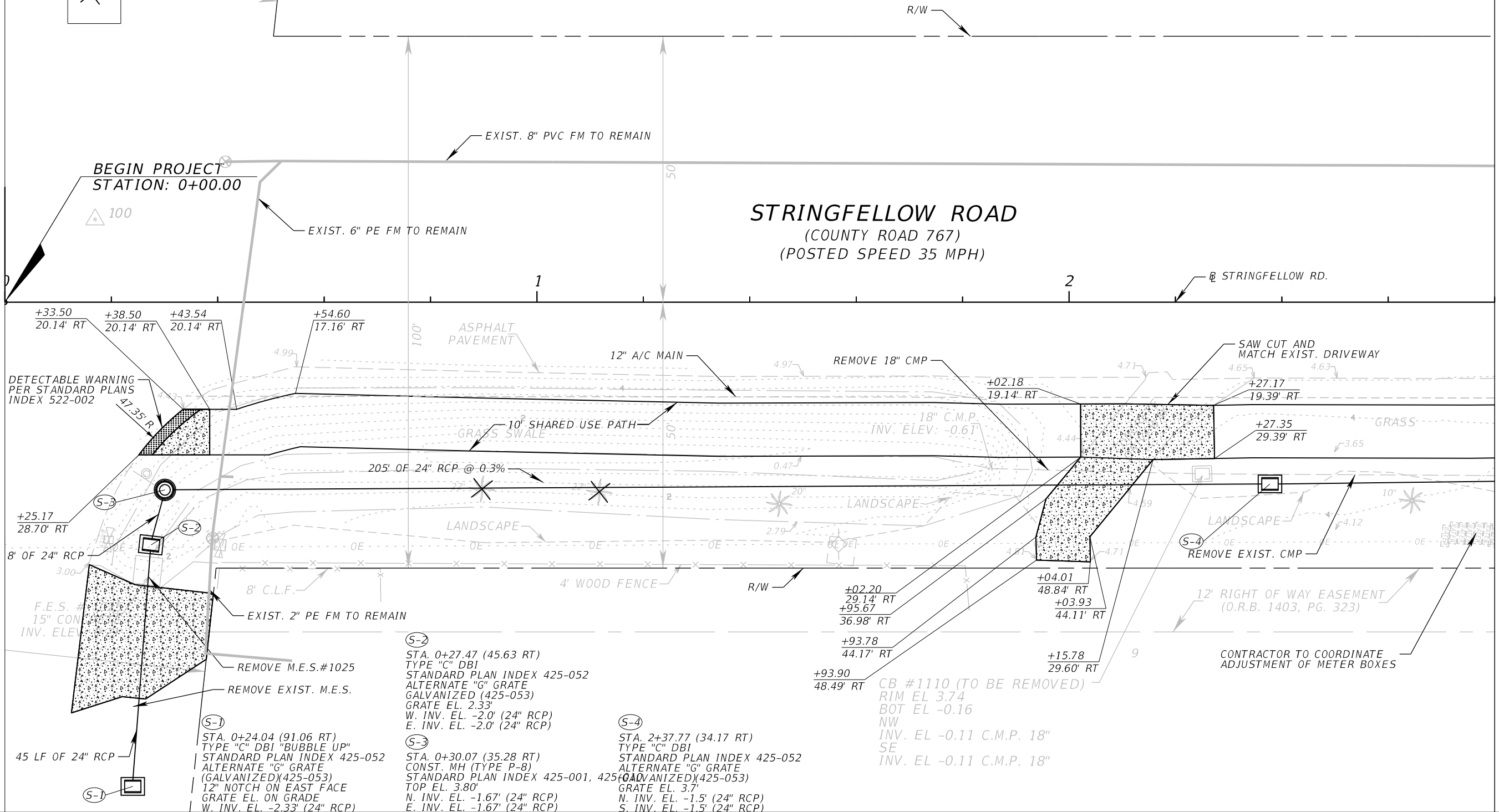
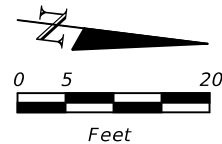
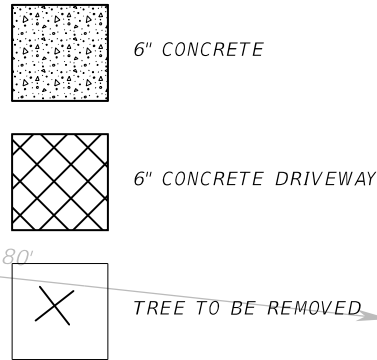
SECTION AA



TYPICAL SECTION - MONROE CANAL CROSSING

N.T.S.
STA. 33+40.21 TO STA. 34+01.00

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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		



REVISIONS	
DATE	DESCRIPTION



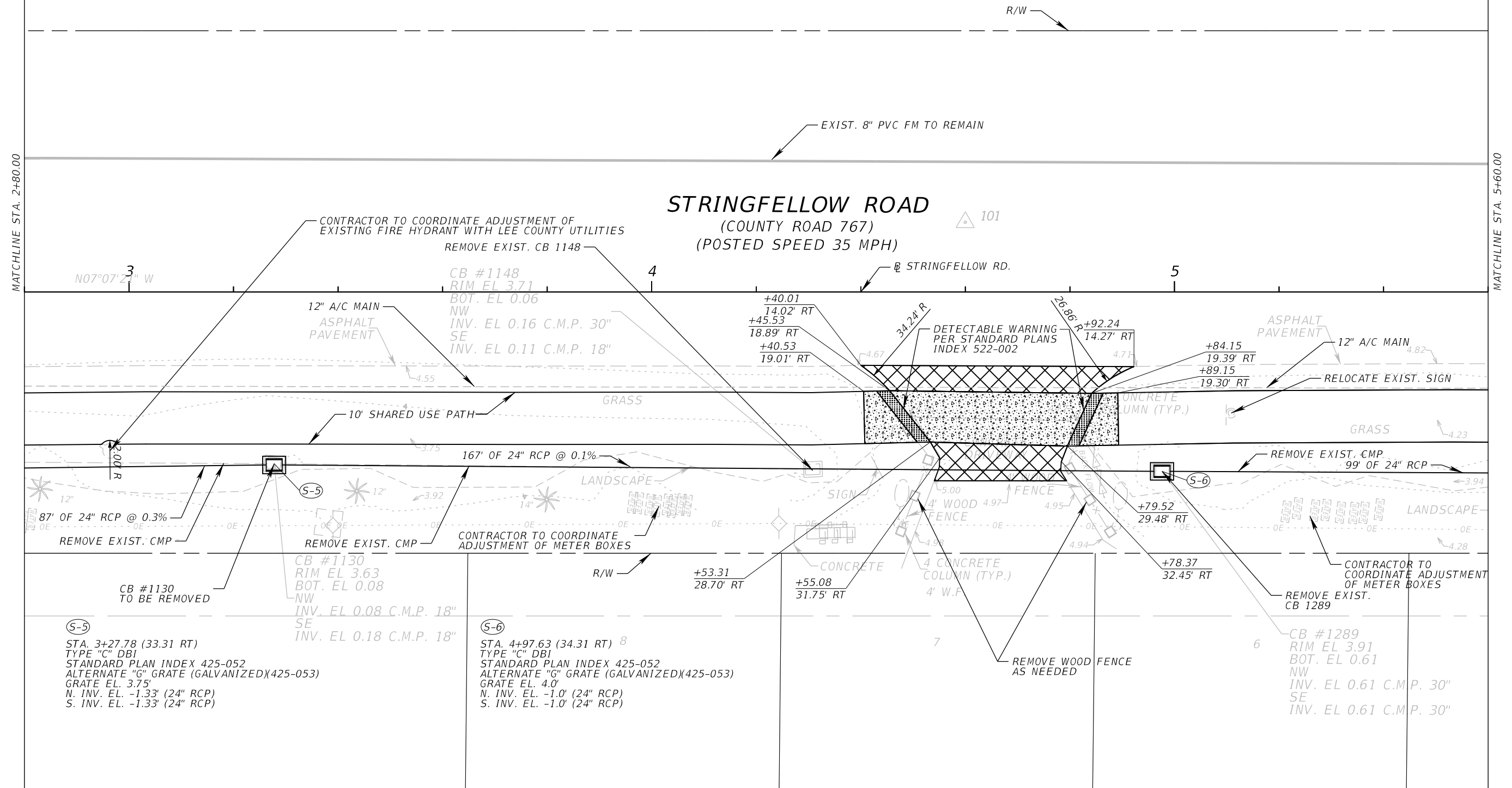
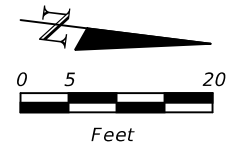
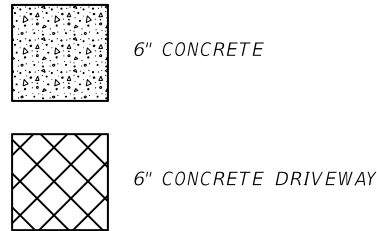
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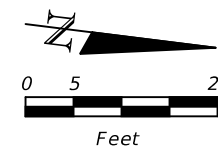
LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	COUNTY PROJECT NO.
STRINGFELLOW ROAD	LEE	206002

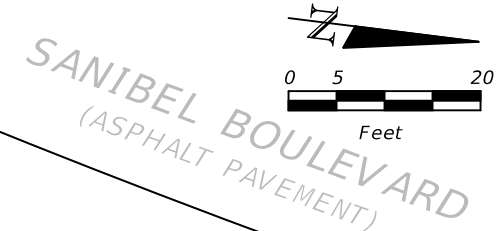
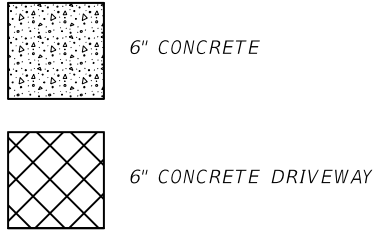
PLAN SHEET (1)
STRINGFELLOW ROAD

SHEET NO.
14



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DATE	DESCRIPTION			ROAD	COUNTY		
				STRINGFELLOW ROAD	LEE	COUNTY PROJECT NO. 206002	

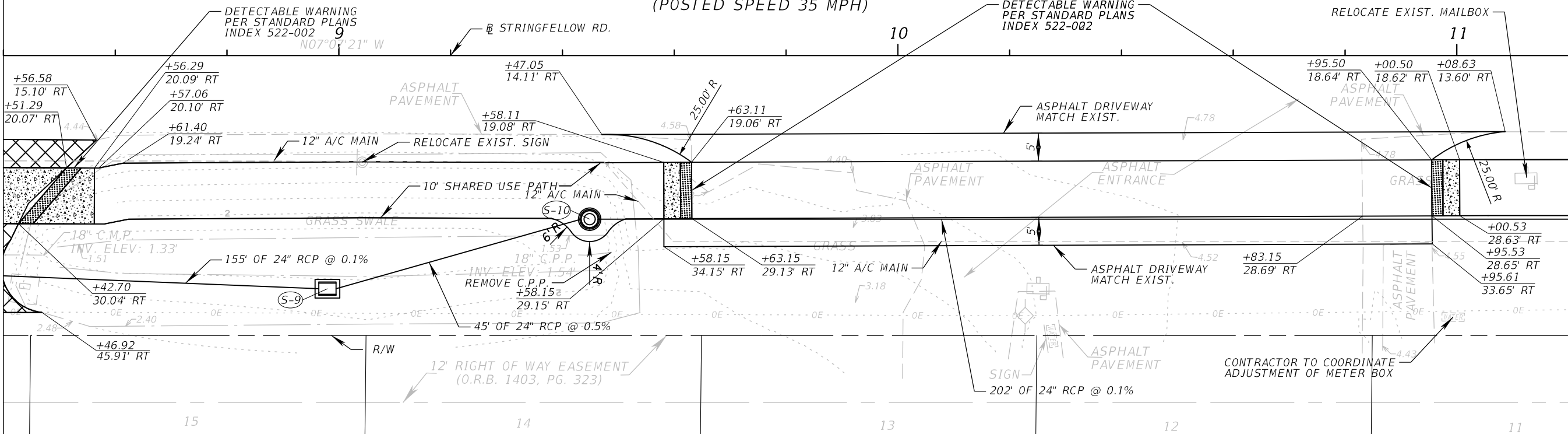




MATCHLINE STA. 8+40.00

MATCHLINE STA. 11+20.00

STRINGFELLOW ROAD
(COUNTY ROAD 767)
(POSTED SPEED 35 MPH)



(S-9)
STA. 8+97.97 (41.65' RT)
TYPE "C" DBI
STANDARD PLAN INDEX 425-052
ALTERNATE GRATE "G" (GALVANIZED)(425-053)
GRATE EL. 2.0'
NW INV. EL. -0.33' (24" RCP)
S INV. EL. -0.33' (24" RCP)

(S-10)
STA. 9+44.87 (29.24' RT)
CONST. MH (TYPE P-8)
STANDARD PLAN INDEX 425-001
TOP EL. 4.39'
N INV. EL. -0.25' (24" RCP)
SE INV. EL. -0.25' (24" RCP)

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FBPE Certificate of Authorization No. 24
Michael T. Johnson, P.E. 84341

LEE COUNTY
DEPARTMENT OF TRANSPORTATION

ROAD	COUNTY	COUNTY PROJECT NO.
STRINGFELLOW ROAD	LEE	206002

PLAN SHEET (4)
STRINGFELLOW ROAD

SHEET NO.

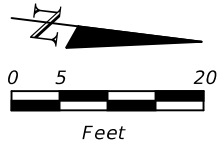
17

6" CONCRETE

6" CONCRETE DRIVEWAY

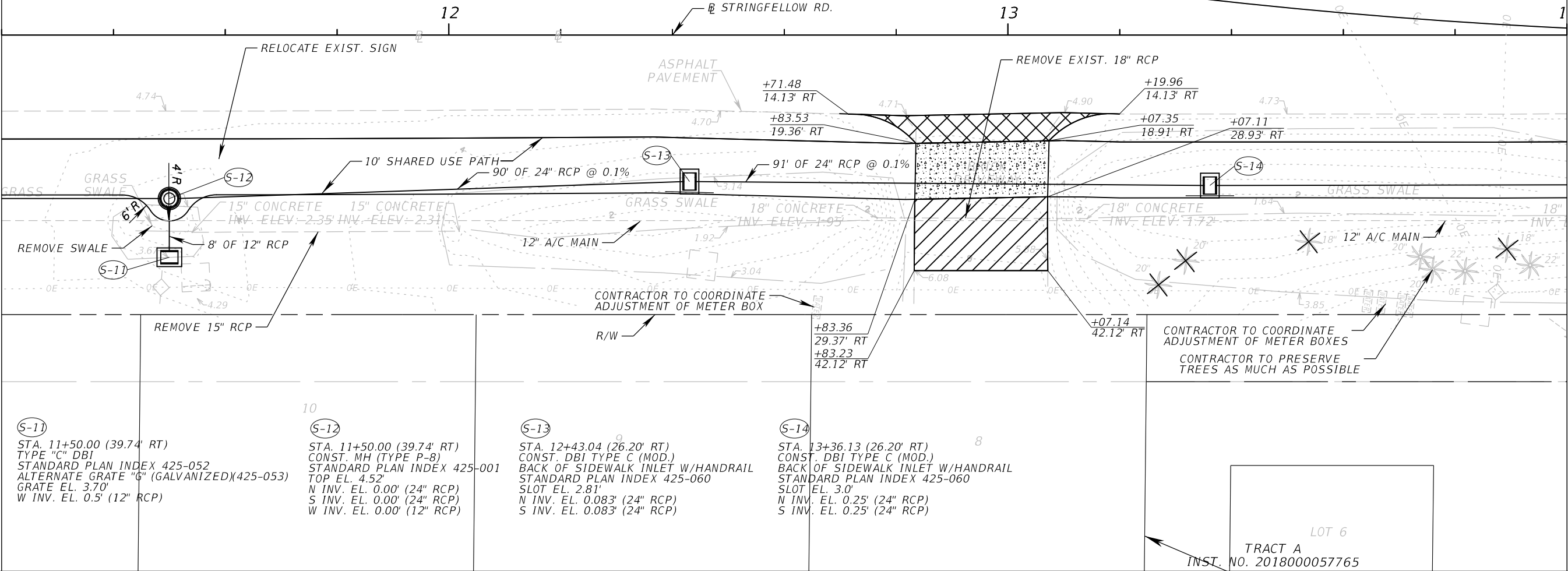
TREE TO BE REMOVED

EXIST. PAVERS TO BE ADJUSTED



SANIBEL BOULEVARD
(ASPHALT PAVEMENT)

STRINGFELLOW ROAD
(COUNTY ROAD 767)
(POSTED SPEED 35 MPH)



(S-11)
STA. 11+50.00 (39.74' RT)
TYPE "C" DBI
STANDARD PLAN INDEX 425-052
ALTERNATE GRATE "6" (GALVANIZED)(425-053)
GRATE EL. 3.70'
W INV. EL. 0.5' (12" RCP)

(S-12)
STA. 11+50.00 (39.74' RT)
CONST. MH (TYPE P-8)
STANDARD PLAN INDEX 425-001
TOP EL. 4.52'
N INV. EL. 0.00' (24" RCP)
S INV. EL. 0.00' (24" RCP)
W INV. EL. 0.00' (12" RCP)

(S-13)
STA. 12+43.04 (26.20' RT)
CONST. DBI TYPE C (MOD.)
BACK OF SIDEWALK INLET W/HANDRAIL
STANDARD PLAN INDEX 425-060
SLOT EL. 2.81'
N INV. EL. 0.083' (24" RCP)
S INV. EL. 0.083' (24" RCP)

(S-14)
STA. 13+36.13 (26.20' RT)
CONST. DBI TYPE C (MOD.)
BACK OF SIDEWALK INLET W/HANDRAIL
STANDARD PLAN INDEX 425-060
SLOT EL. 3.0'
N INV. EL. 0.25' (24" RCP)
S INV. EL. 0.25' (24" RCP)

LOT 6
TRACT A
INST. NO. 2018000057765

REVISIONS	
DATE	DESCRIPTION



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LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	COUNTY PROJECT NO.
STRINGFELLOW ROAD	LEE	206002

PLAN SHEET (5)
STRINGFELLOW ROAD

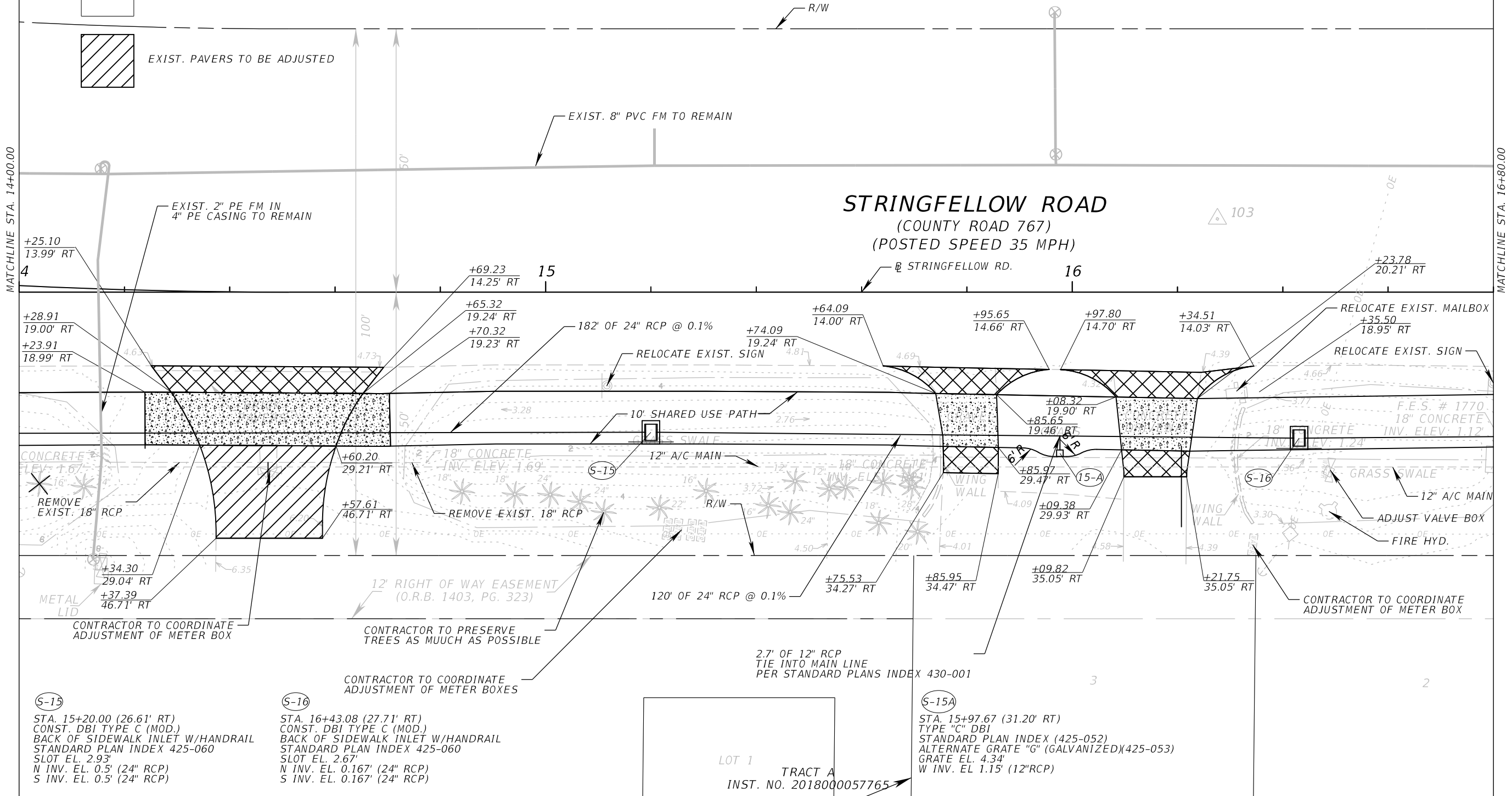
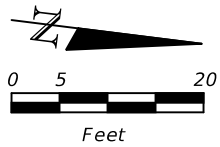
SHEET NO.
18

6" CONCRETE

6" CONCRETE DRIVEWAY

TREE TO BE REMOVED

EXIST. PAVERS TO BE ADJUSTED



(S-15)
STA. 15+20.00 (26.61' RT)
CONST. DBI TYPE C (MOD.)
BACK OF SIDEWALK INLET W/HANDRAIL
STANDARD PLAN INDEX 425-060
SLOT EL. 2.93'
N INV. EL. 0.5' (24" RCP)
S INV. EL. 0.5' (24" RCP)

(S-16)
STA. 16+43.08 (27.71' RT)
CONST. DBI TYPE C (MOD.)
BACK OF SIDEWALK INLET W/HANDRAIL
STANDARD PLAN INDEX 425-060
SLOT EL. 2.67'
N INV. EL. 0.167' (24" RCP)
S INV. EL. 0.167' (24" RCP)

(S-15A)
STA. 15+97.67 (31.20' RT)
TYPE "C" DBI
STANDARD PLAN INDEX (425-052)
ALTERNATE GRATE "G" (GALVANIZED)(425-053)
GRATE EL. 4.34'
W INV. EL. 1.15' (12" RCP)

REVISIONS	
DATE	DESCRIPTION

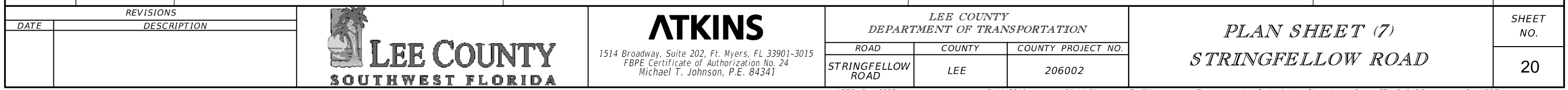
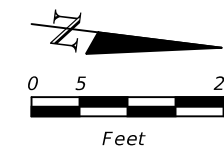


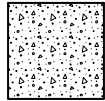
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LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	COUNTY PROJECT NO.
STRINGFELLOW ROAD	LEE	206002

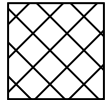
PLAN SHEET (6)
STRINGFELLOW ROAD

SHEET NO.
19

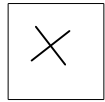




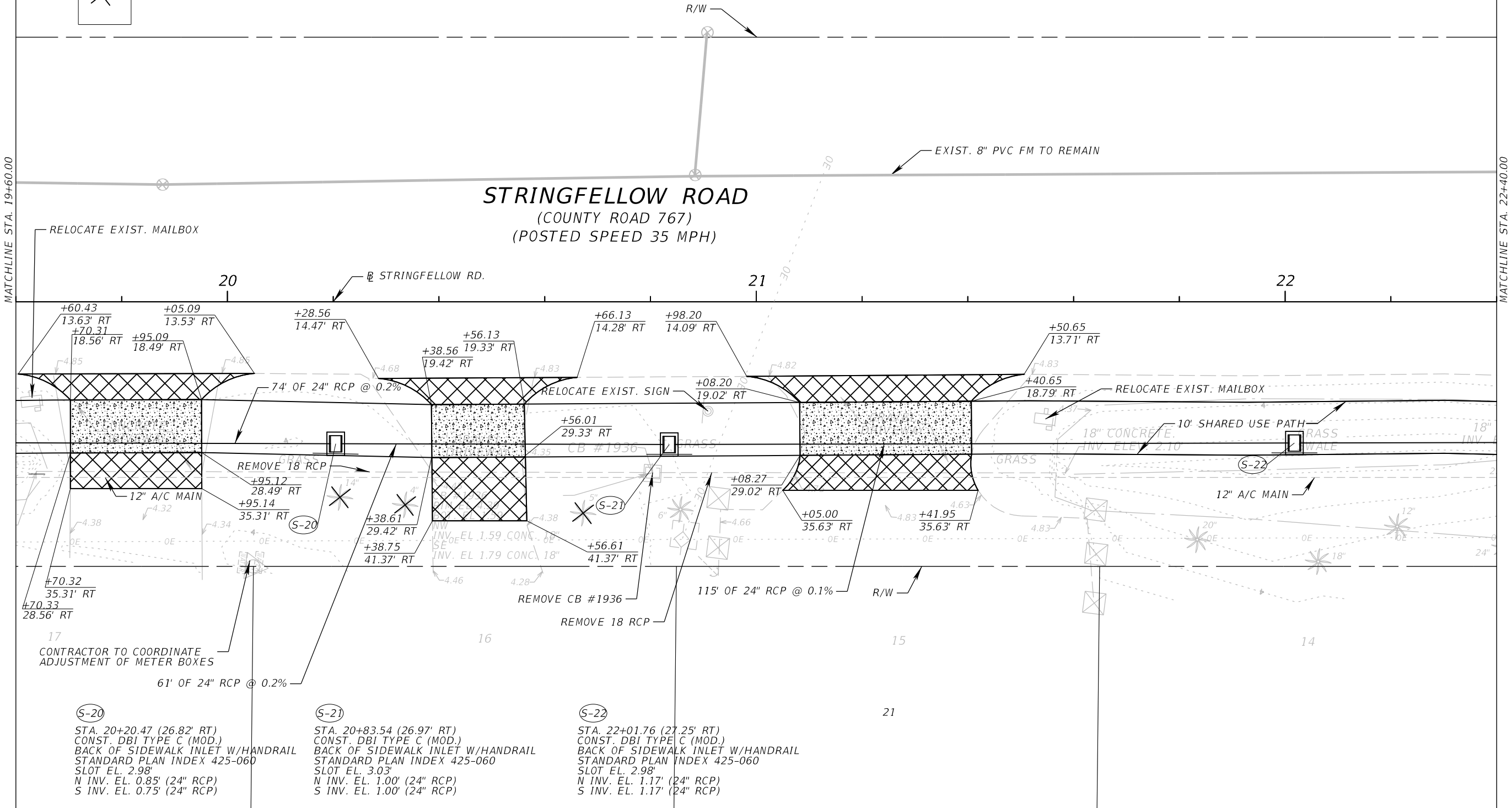
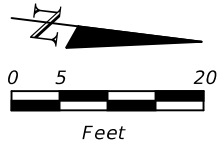
6" CONCRETE



6" CONCRETE DRIVEWAY



TREE TO BE REMOVED



(S-20)
STA. 20+20.47 (26.82' RT)
CONST. DBI TYPE C (MOD.)
BACK OF SIDEWALK INLET W/HANDRAIL
STANDARD PLAN INDEX 425-060
SLOT EL. 2.98'
N INV. EL. 0.85' (24" RCP)
S INV. EL. 0.75' (24" RCP)

(S-21)
STA. 20+83.54 (26.97' RT)
CONST. DBI TYPE C (MOD.)
BACK OF SIDEWALK INLET W/HANDRAIL
STANDARD PLAN INDEX 425-060
SLOT EL. 3.03'
N INV. EL. 1.00' (24" RCP)
S INV. EL. 1.00' (24" RCP)

(S-22)
STA. 22+01.76 (27.25' RT)
CONST. DBI TYPE C (MOD.)
BACK OF SIDEWALK INLET W/HANDRAIL
STANDARD PLAN INDEX 425-060
SLOT EL. 2.98'
N INV. EL. 1.17' (24" RCP)
S INV. EL. 1.17' (24" RCP)

REVISIONS	
DATE	DESCRIPTION

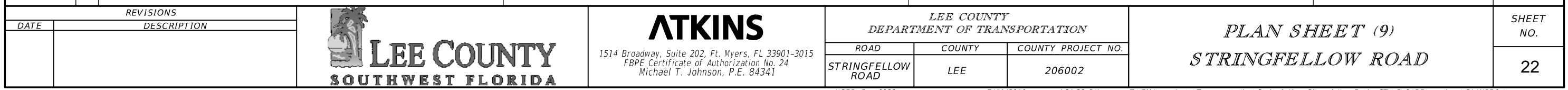
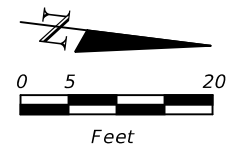


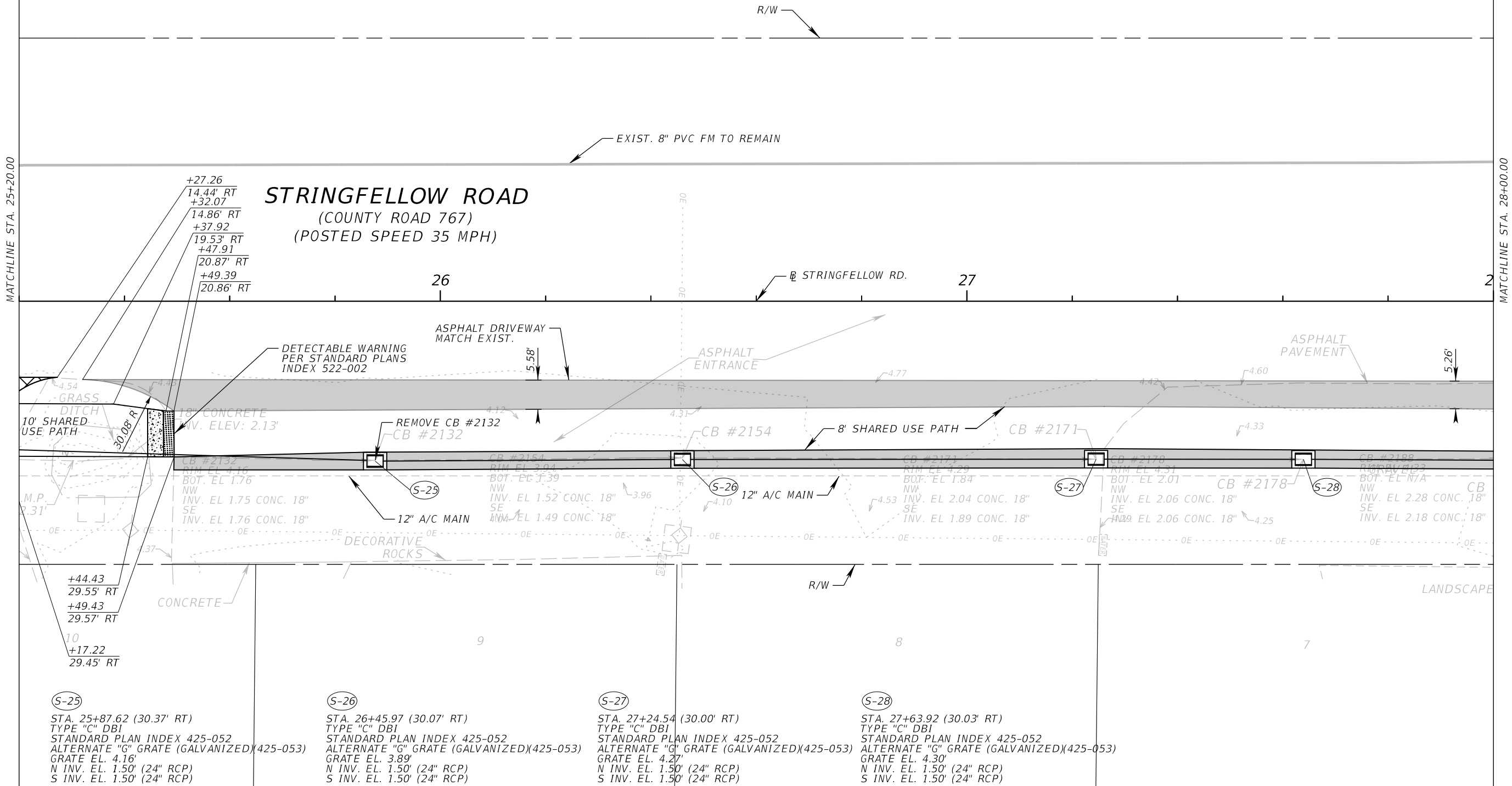
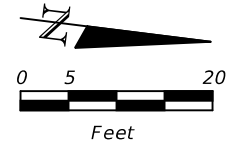
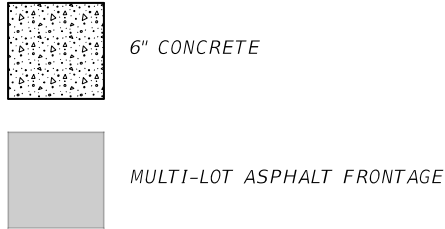
ATKINS
1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015
FBPE Certificate of Authorization No. 24
Michael T. Johnson, P.E. 84341

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	COUNTY PROJECT NO.
STRINGFELLOW ROAD	LEE	206002

PLAN SHEET (8)
STRINGFELLOW ROAD

SHEET NO.
21





REVISIONS	
DATE	DESCRIPTION

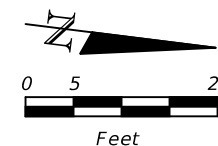


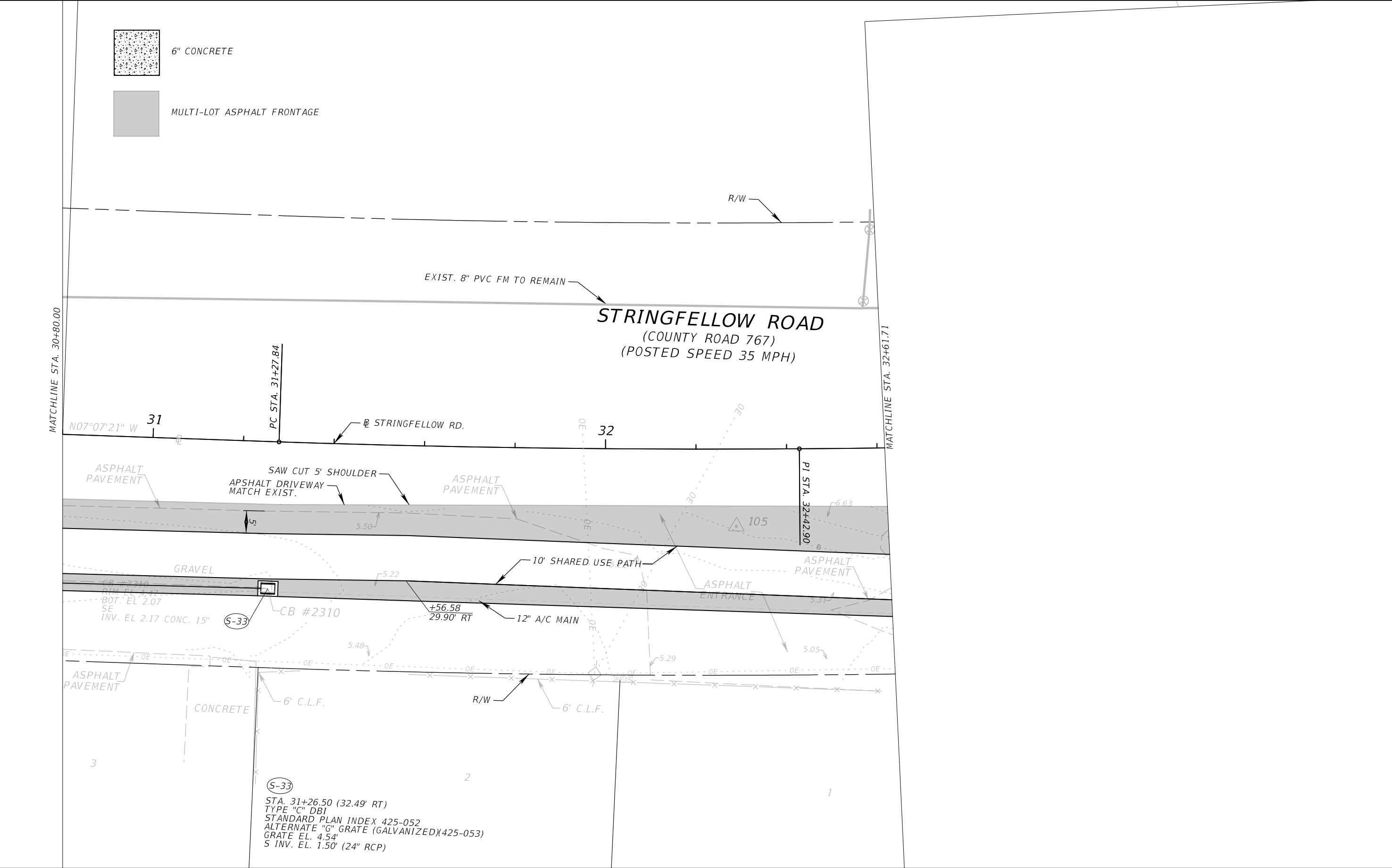
ATKINS
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FBPE Certificate of Authorization No. 24
Michael T. Johnson, P.E. 84341

LEE COUNTY DEPARTMENT OF TRANSPORTATION		
ROAD	COUNTY	COUNTY PROJECT NO.
STRINGFELLOW ROAD	LEE	206002

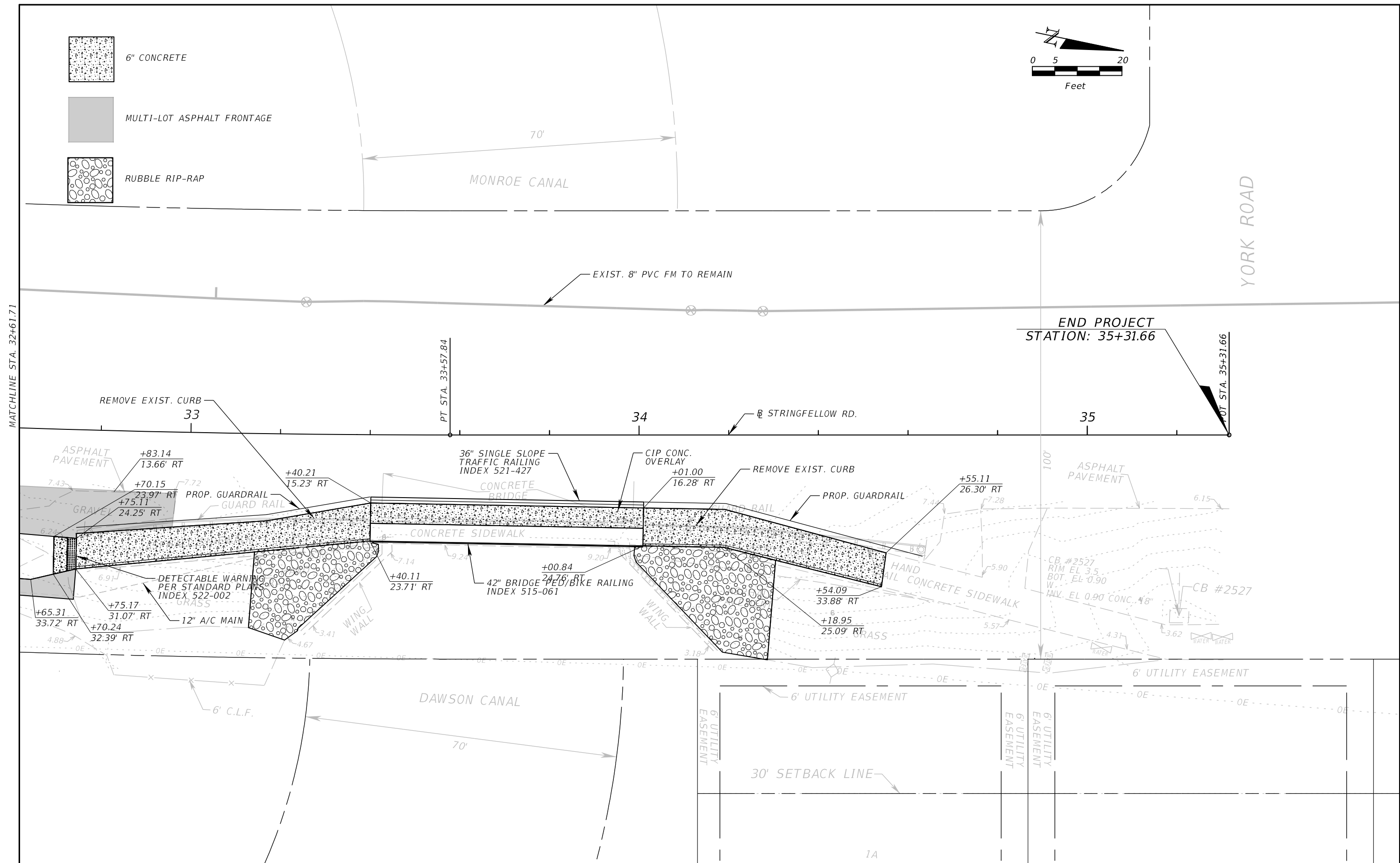
PLAN SHEET (10)
STRINGFELLOW ROAD


SHEET NO.
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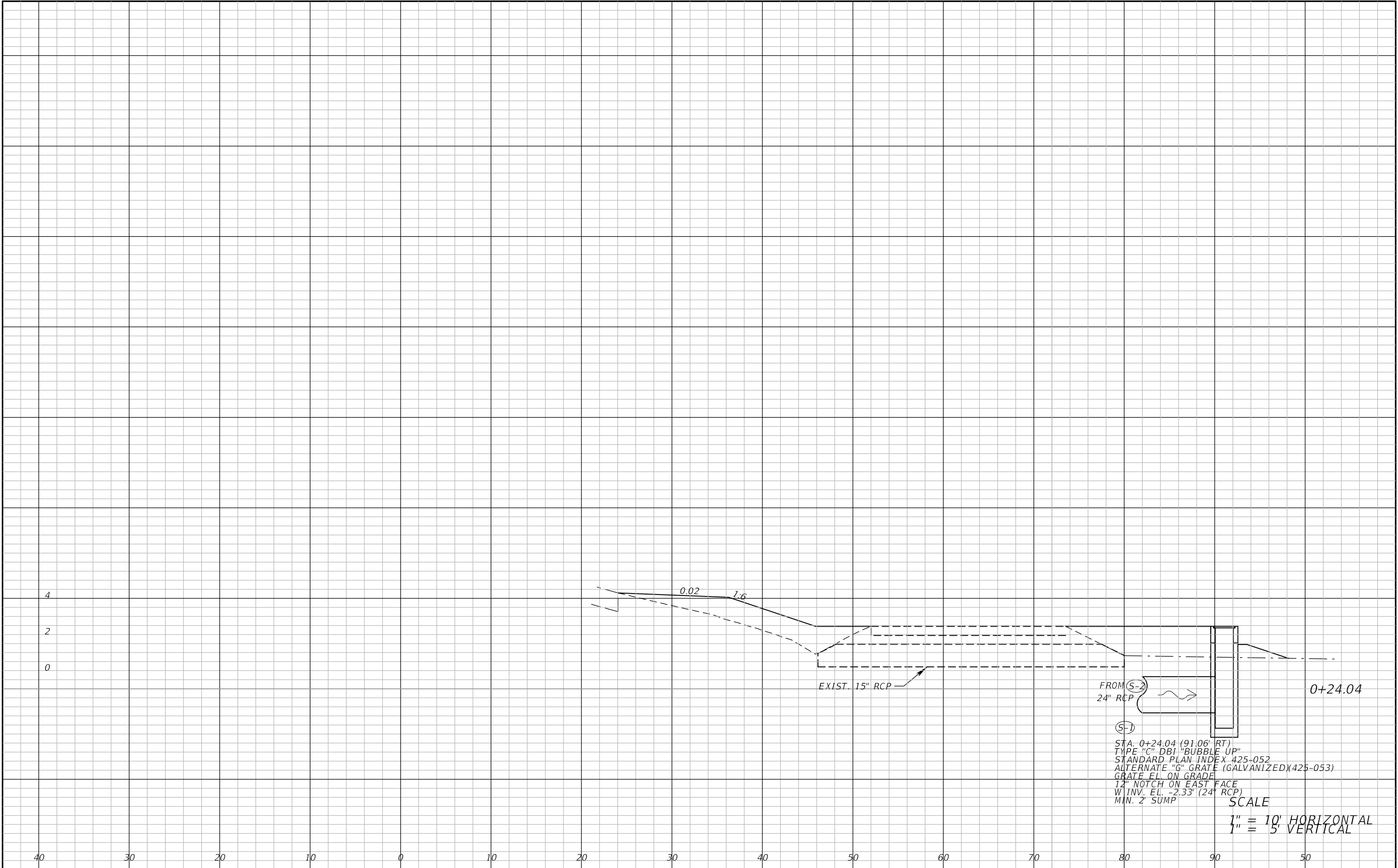





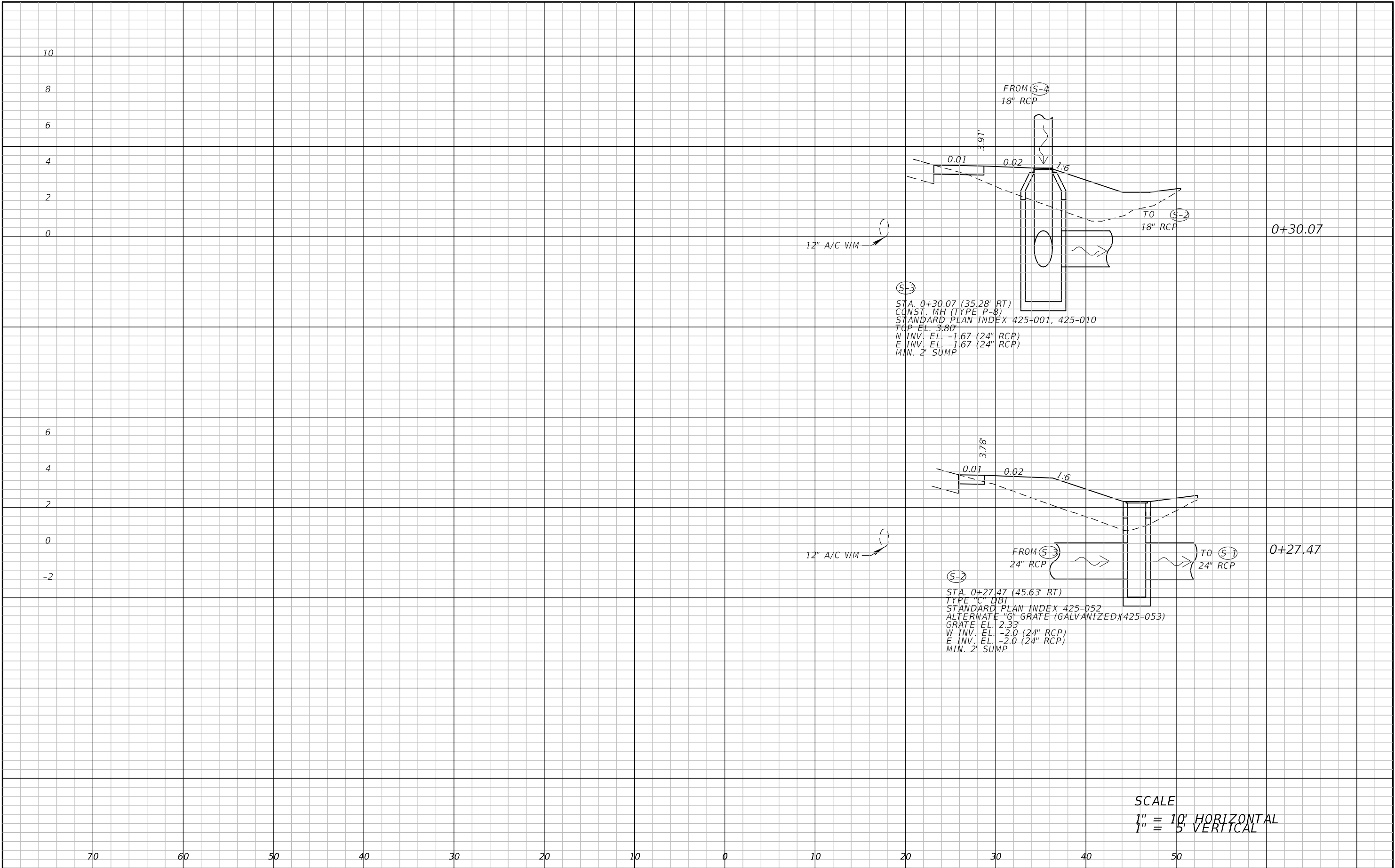
REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			PLAN SHEET (12) STRINGFELLOW ROAD	SHEET NO.
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		25
				STRINGFELLOW ROAD	LEE	206002		




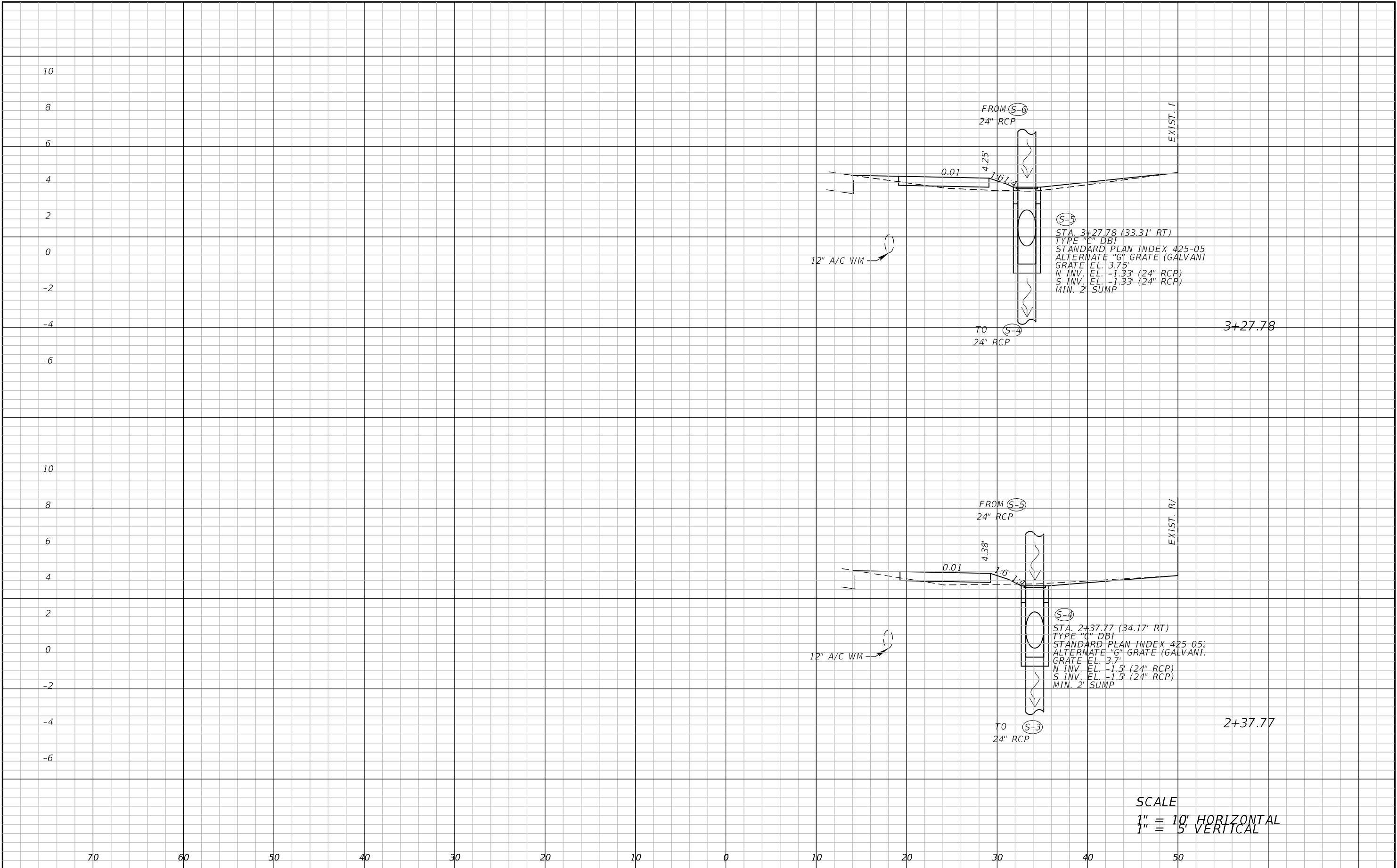
<div> <div> <div>REVISIONS</div> <div>DATE</div> </div> <div>DESCRIPTION</div> </div>		 <div> <div>LEE COUNTY</div> <div>SOUTHWEST FLORIDA</div> </div>	<div> <div>ATKINS</div> <div>1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015</div> <div>FBPE Certificate of Authorization No. 24</div> <div>Michael T. Johnson, P.E. 84341</div> </div>	<div> <div>LEE COUNTY</div> <div>DEPARTMENT OF TRANSPORTATION</div> </div>			<div> <div>PLAN SHEET (13)</div> <div>STRINGFELLOW ROAD</div> </div>	<div> <div>SHEET NO.</div> <div>26</div> </div>
				<div>ROAD</div> <div>STRINGFELLOW ROAD</div>	<div>COUNTY</div> <div>LEE</div>	<div>COUNTY PROJECT NO.</div> <div>206002</div>		




REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			<i>DRAINAGE CROSS SECTION (1)</i> <i>STRINGFELLOW ROAD</i>		SHEET NO. 57
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.			
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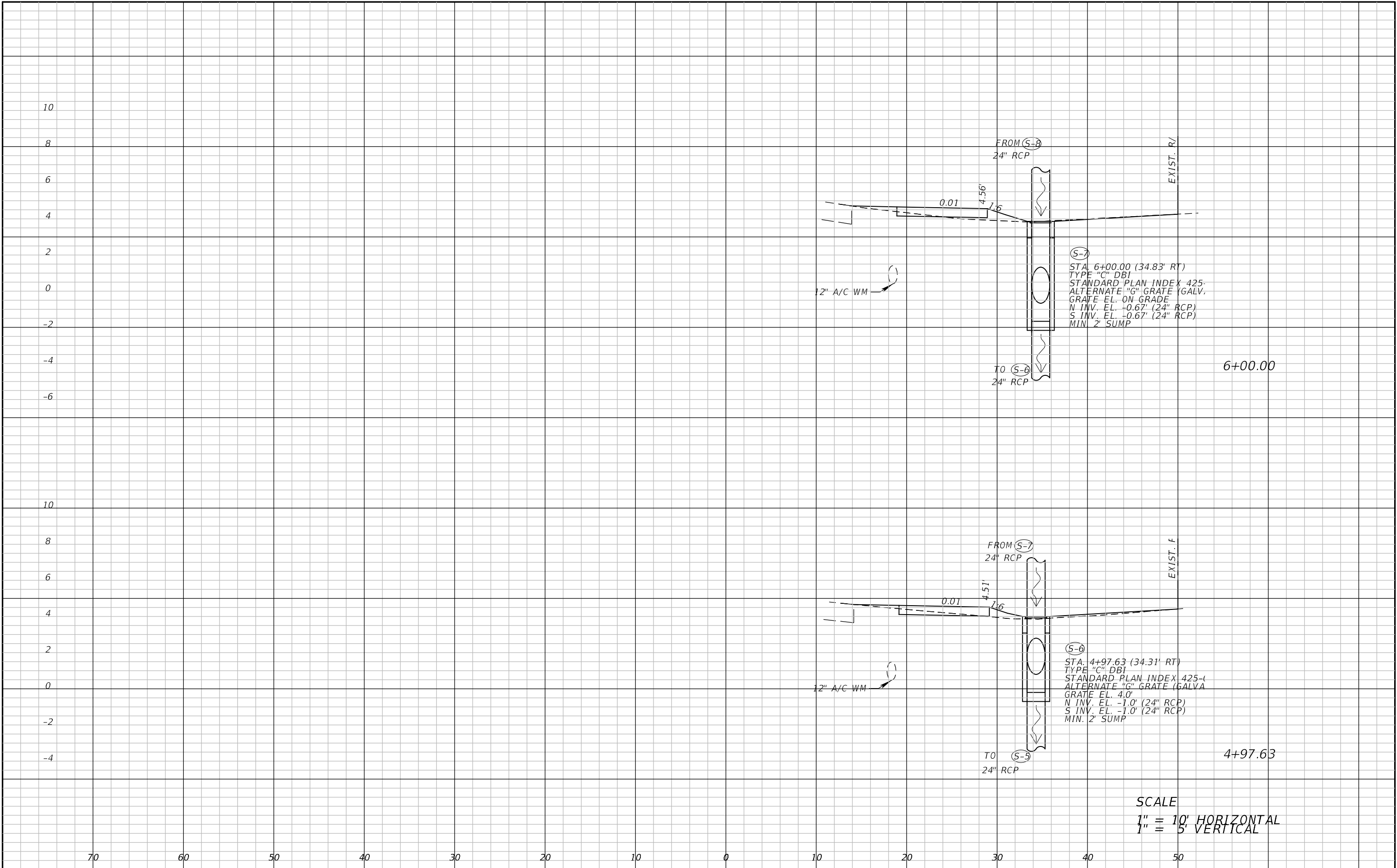


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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		




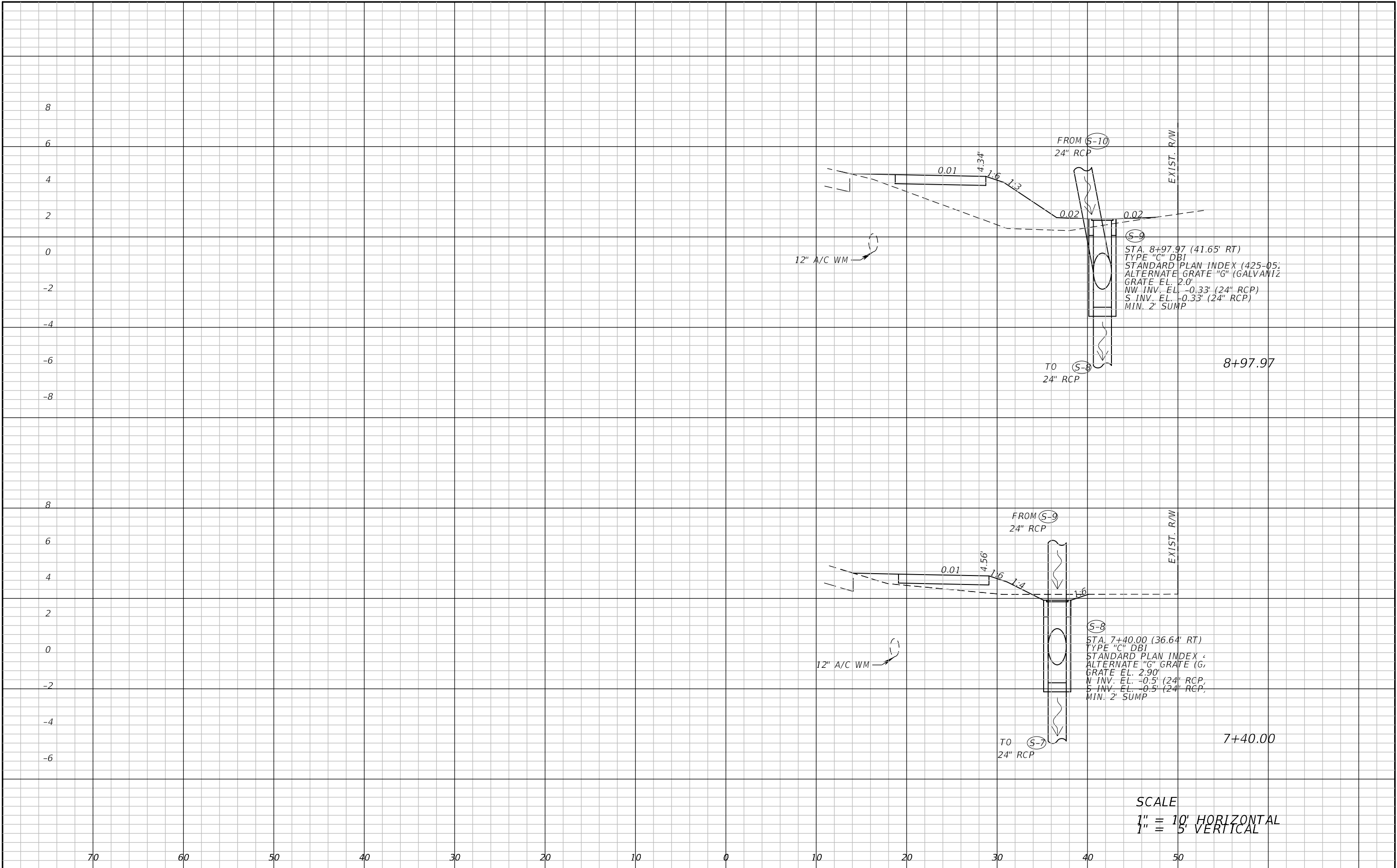
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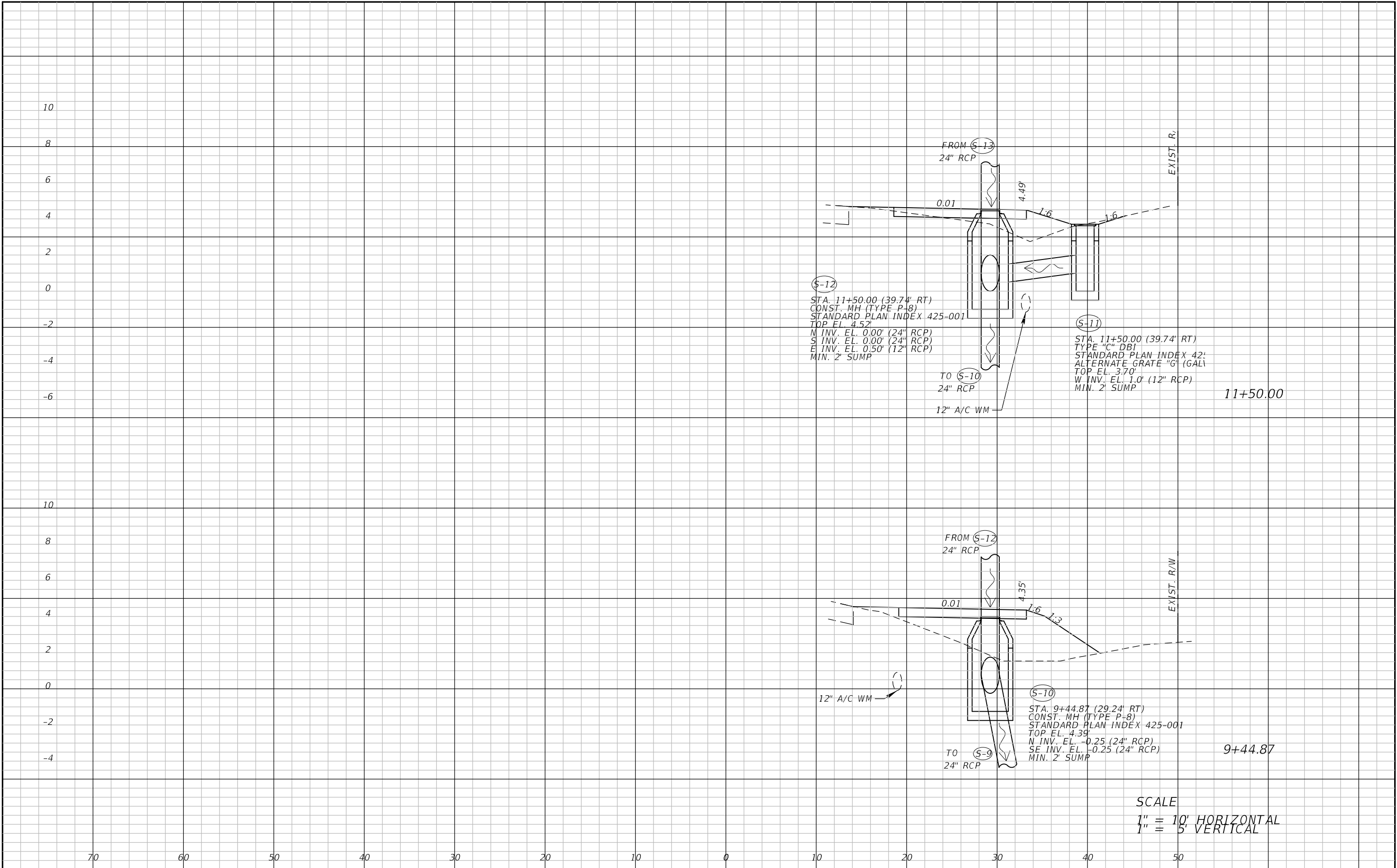
REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			<i>DRAINAGE CROSS SECTION (3)</i> <i>STRINGFELLOW ROAD</i>	SHEET NO. 59
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
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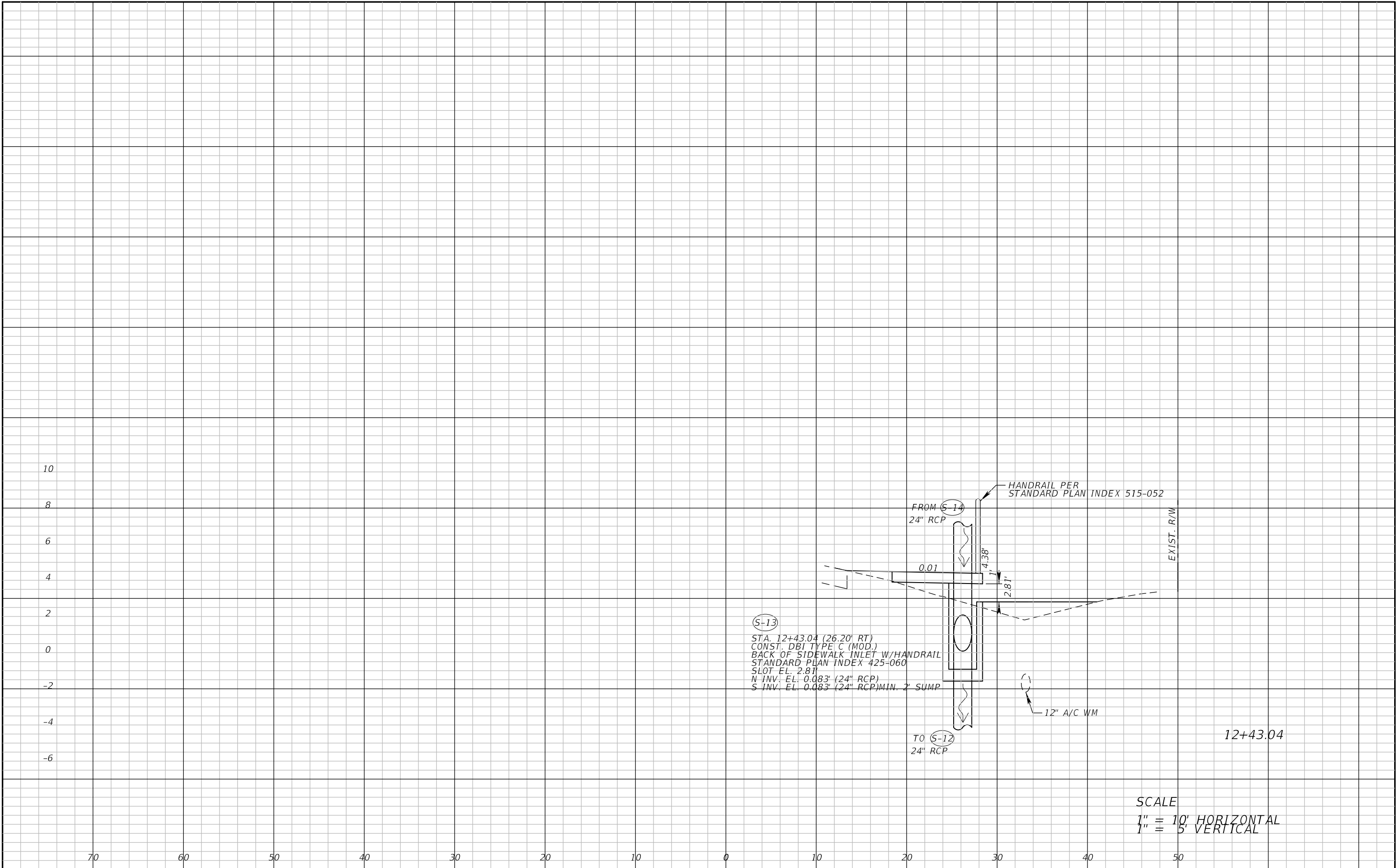
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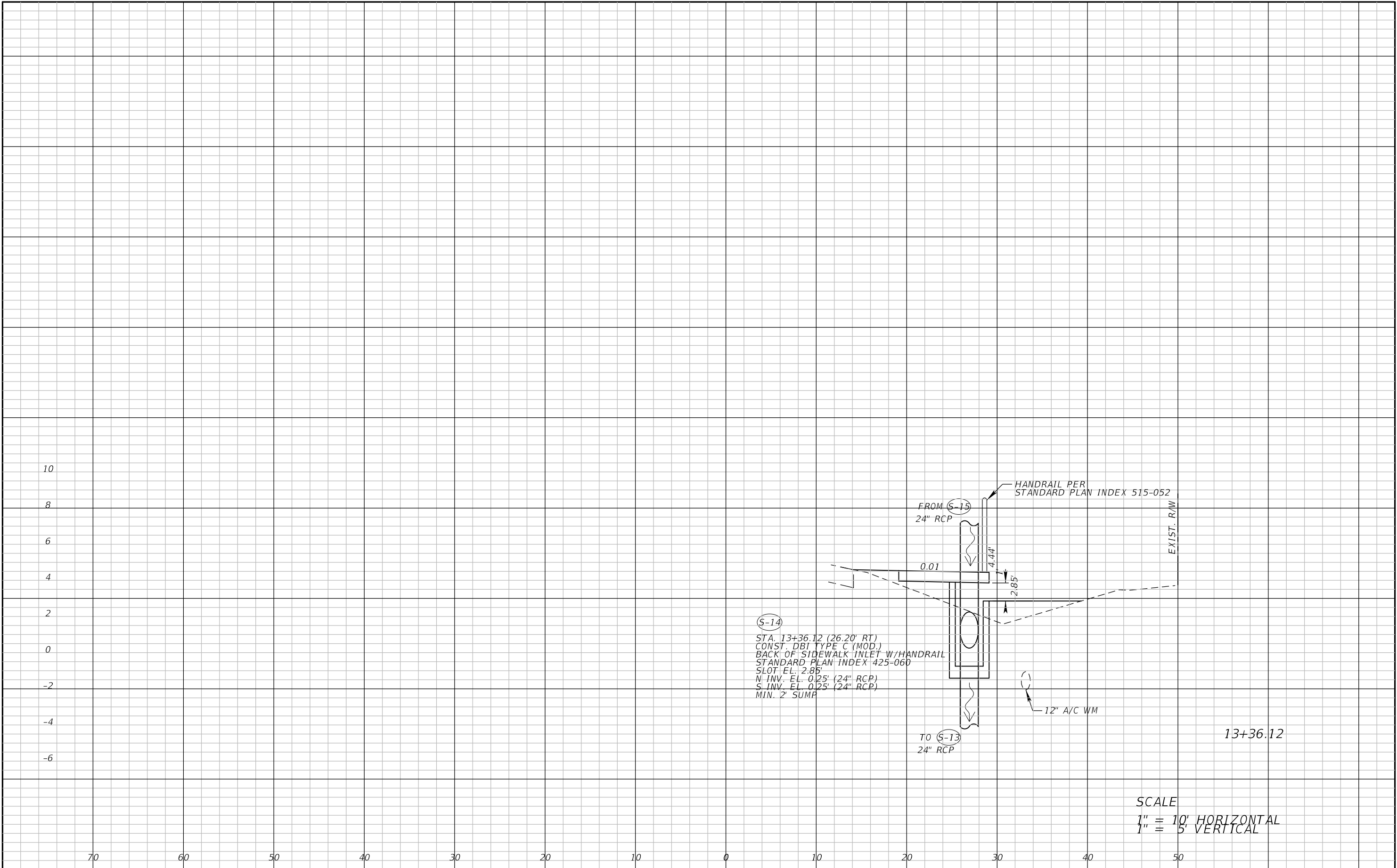
REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTION (4) STRINGFELLOW ROAD	SHEET NO. 60
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
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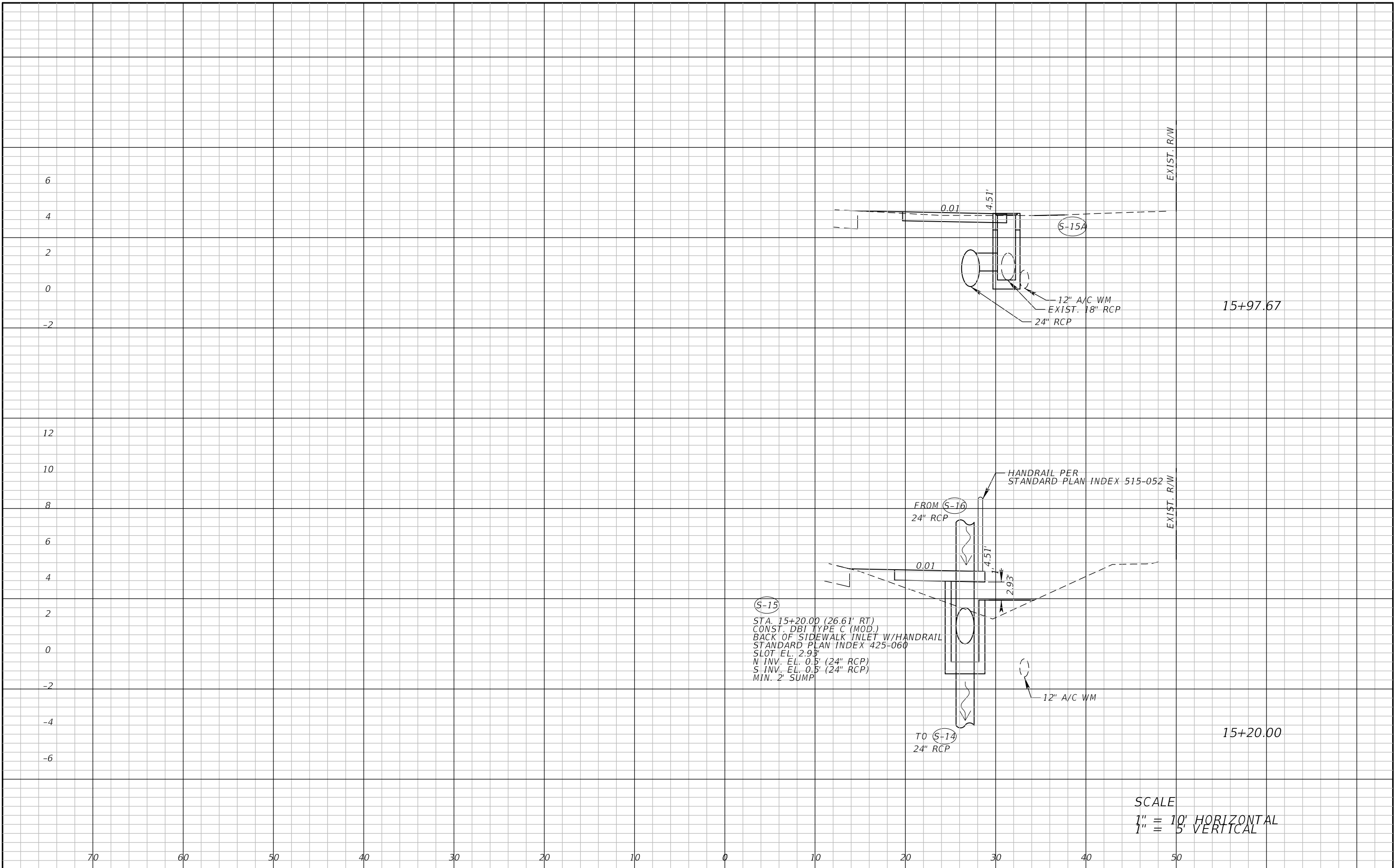





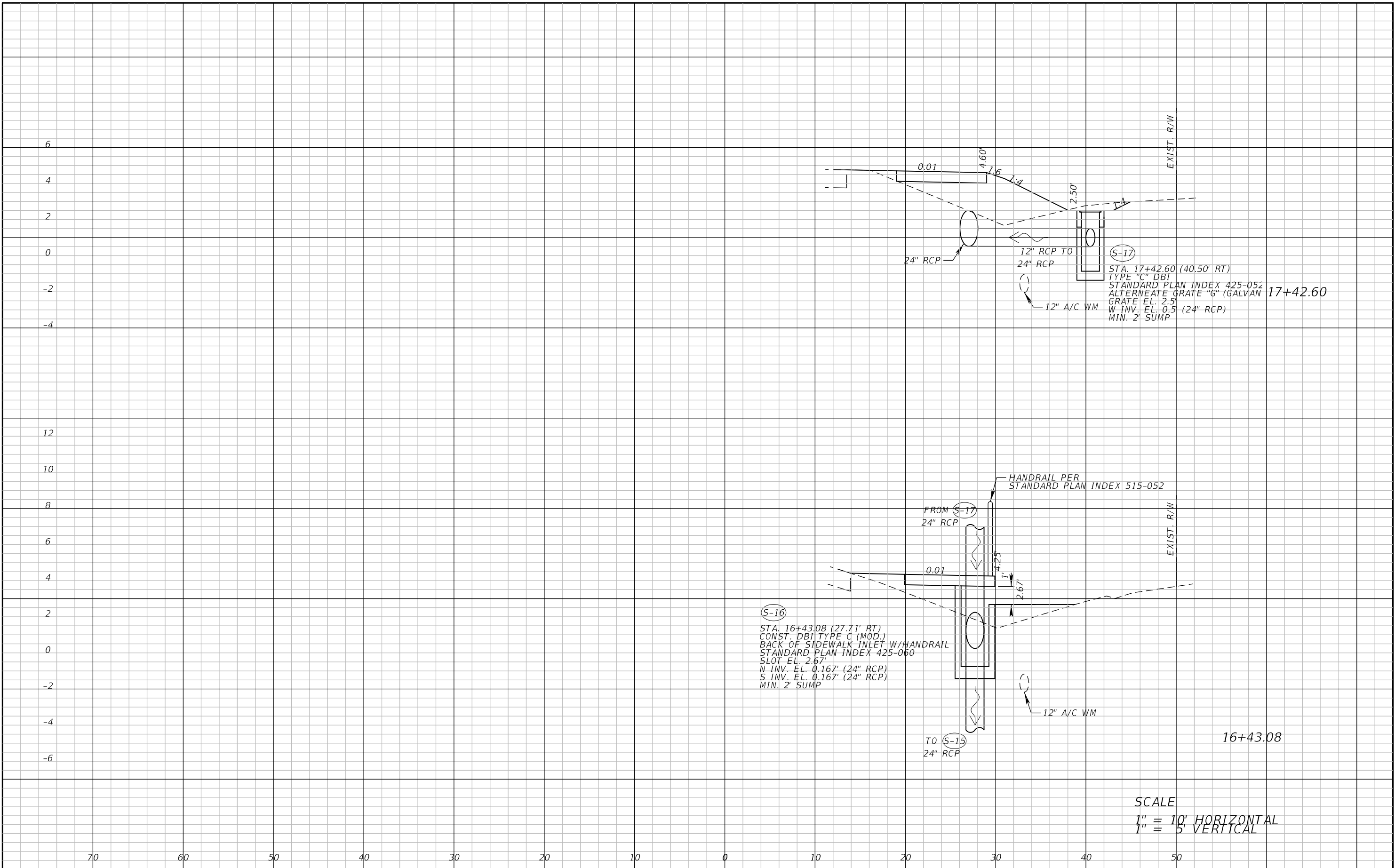
REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTION (6) STRINGFELLOW ROAD	SHEET NO. 62
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
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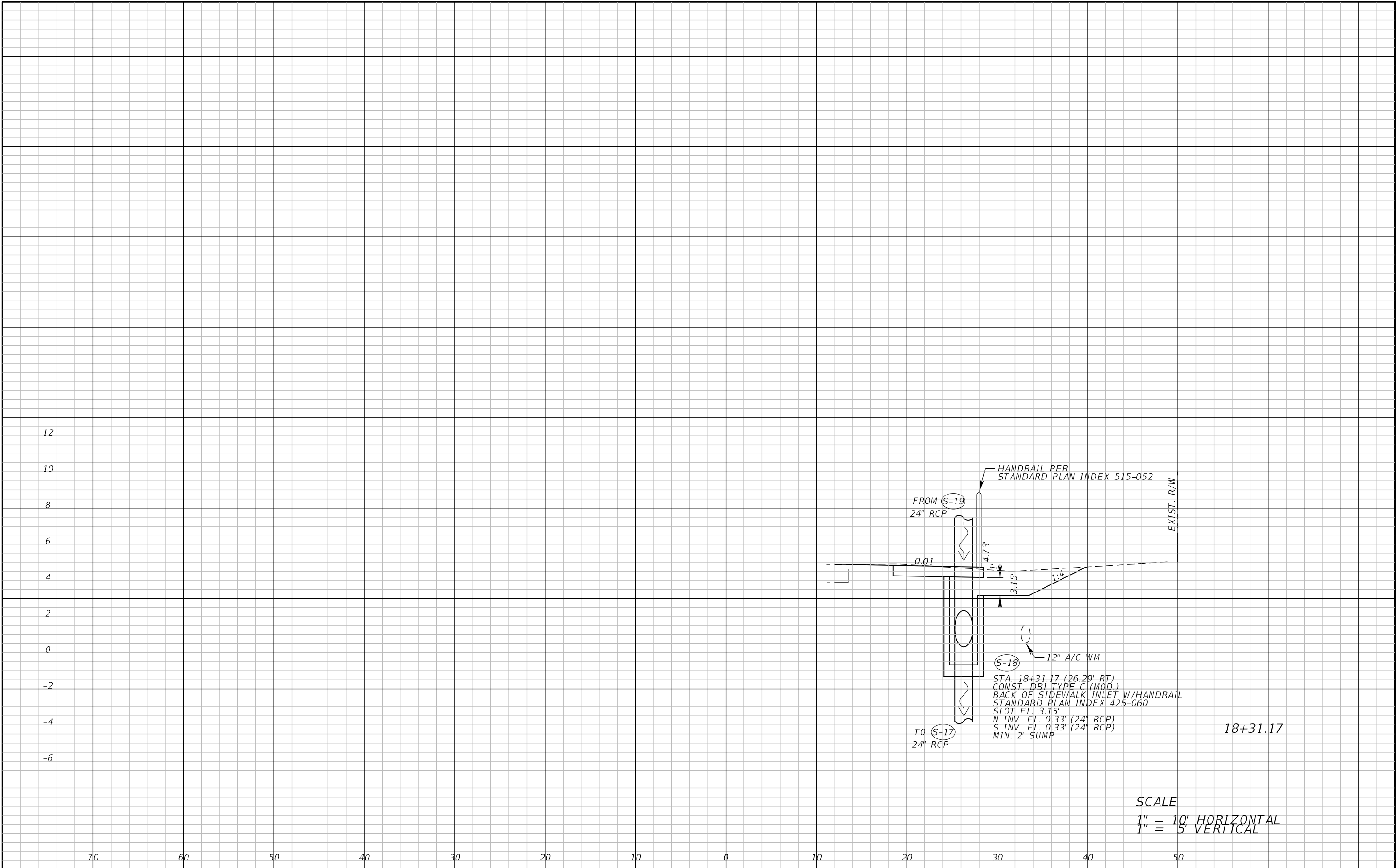





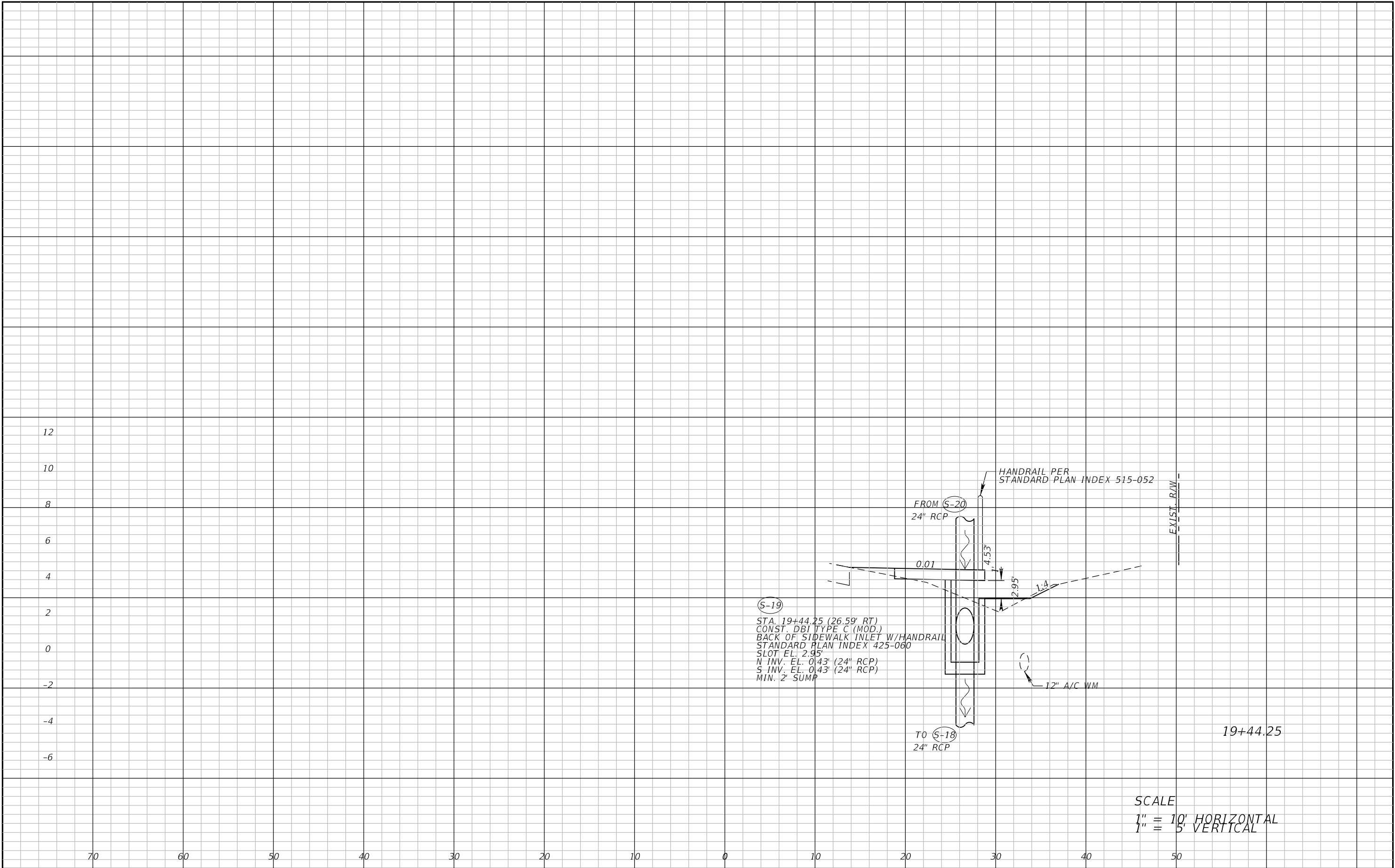
REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTION (9) STRINGFELLOW ROAD	SHEET NO. 65
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
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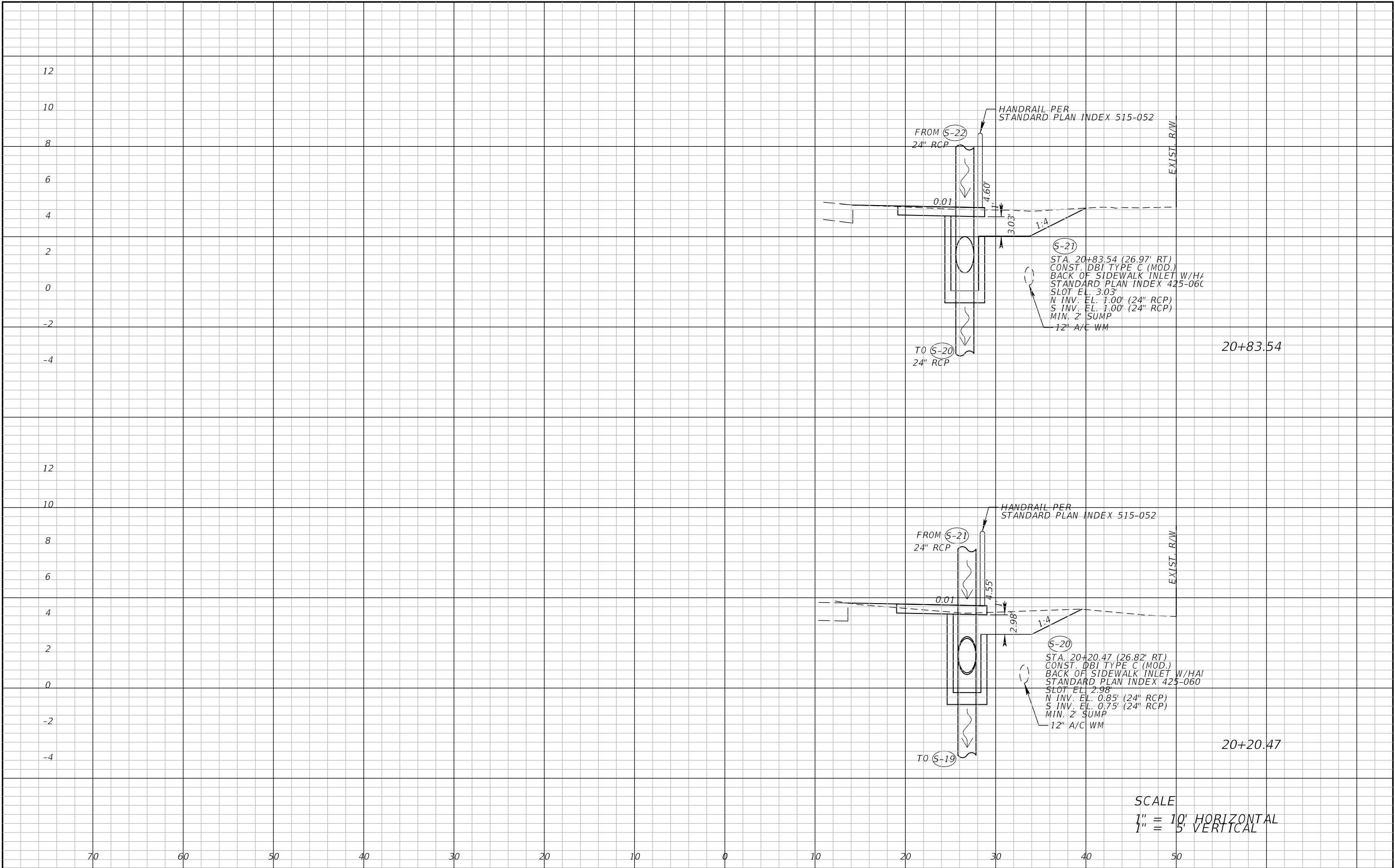



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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
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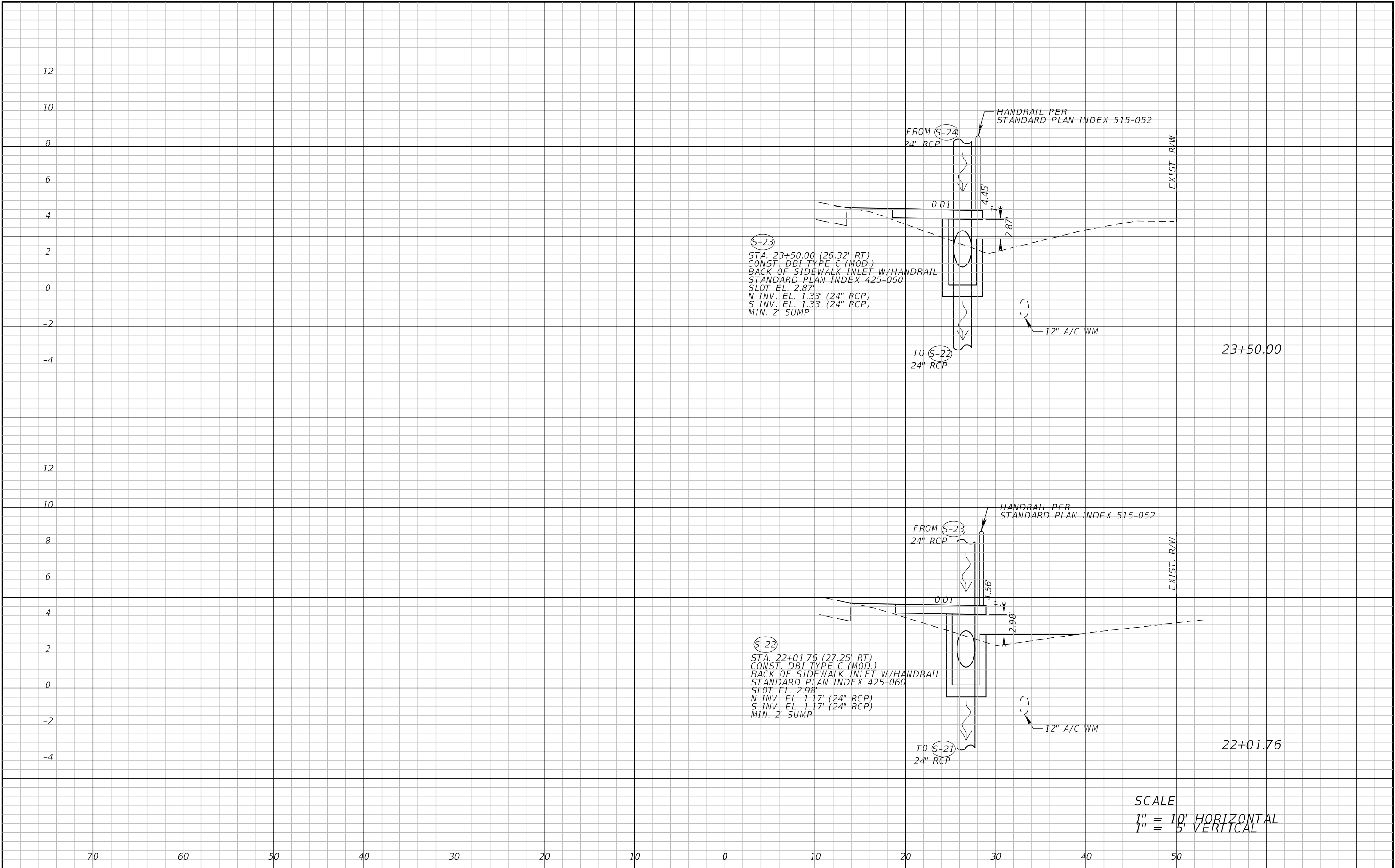


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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		




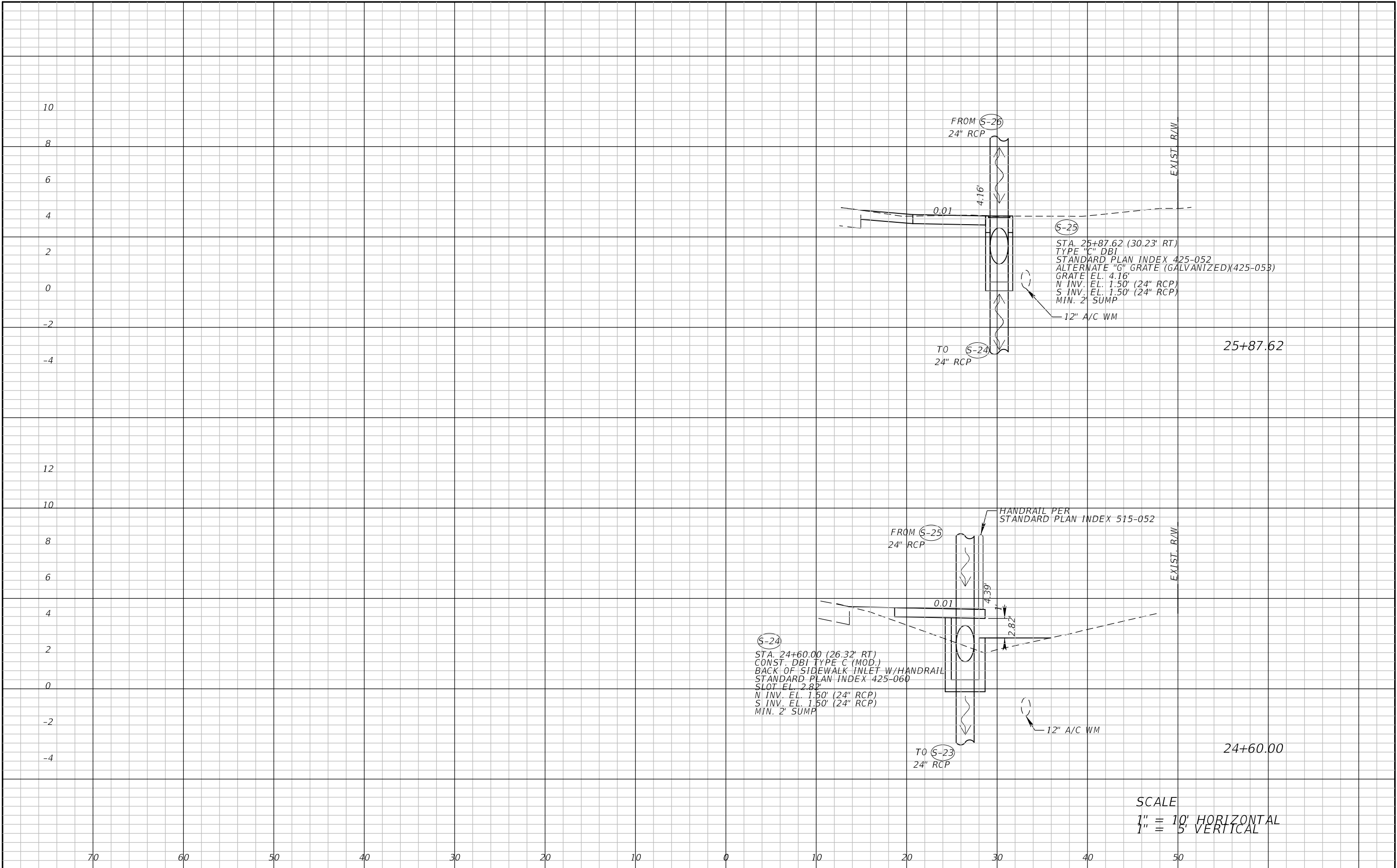



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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		

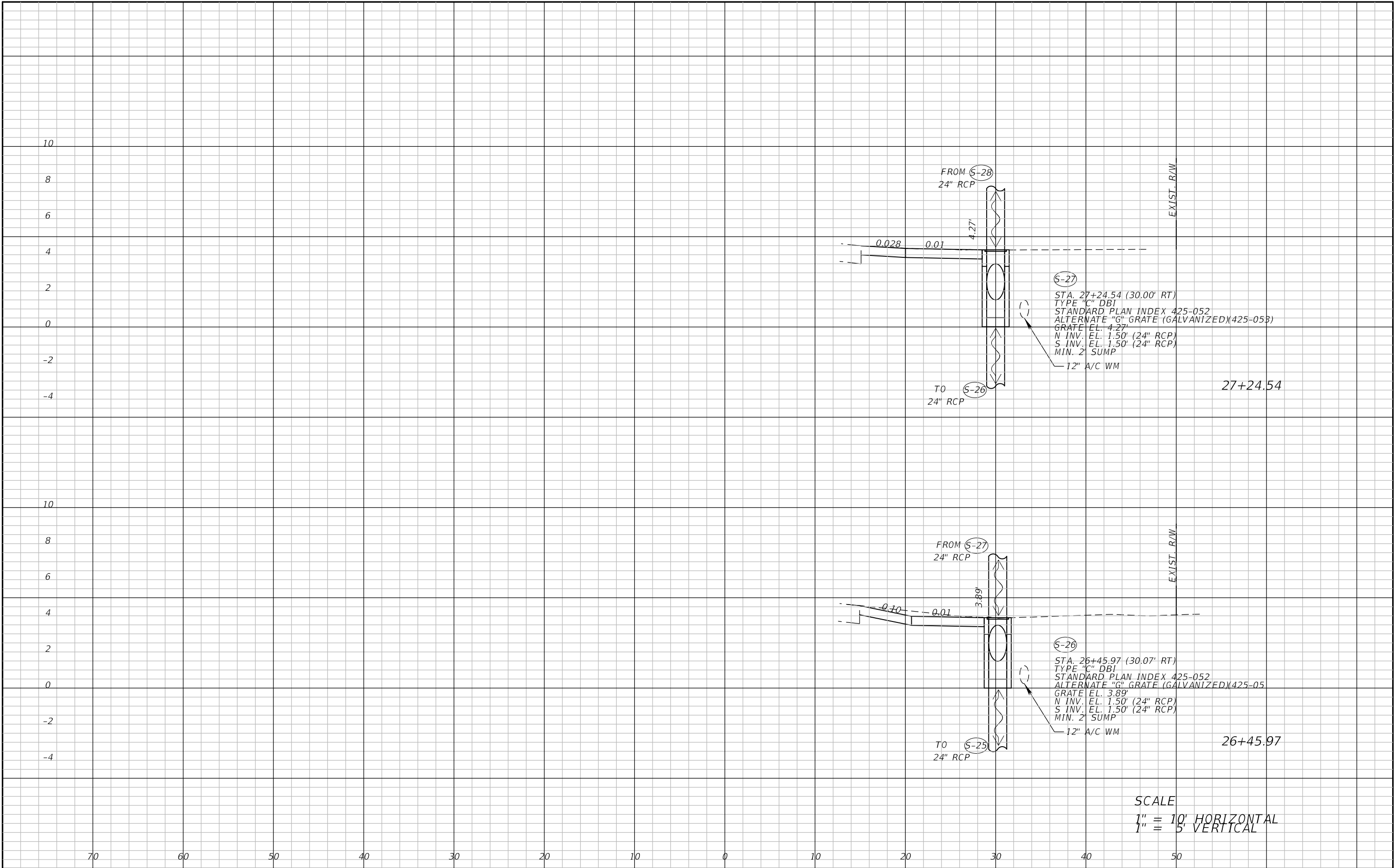


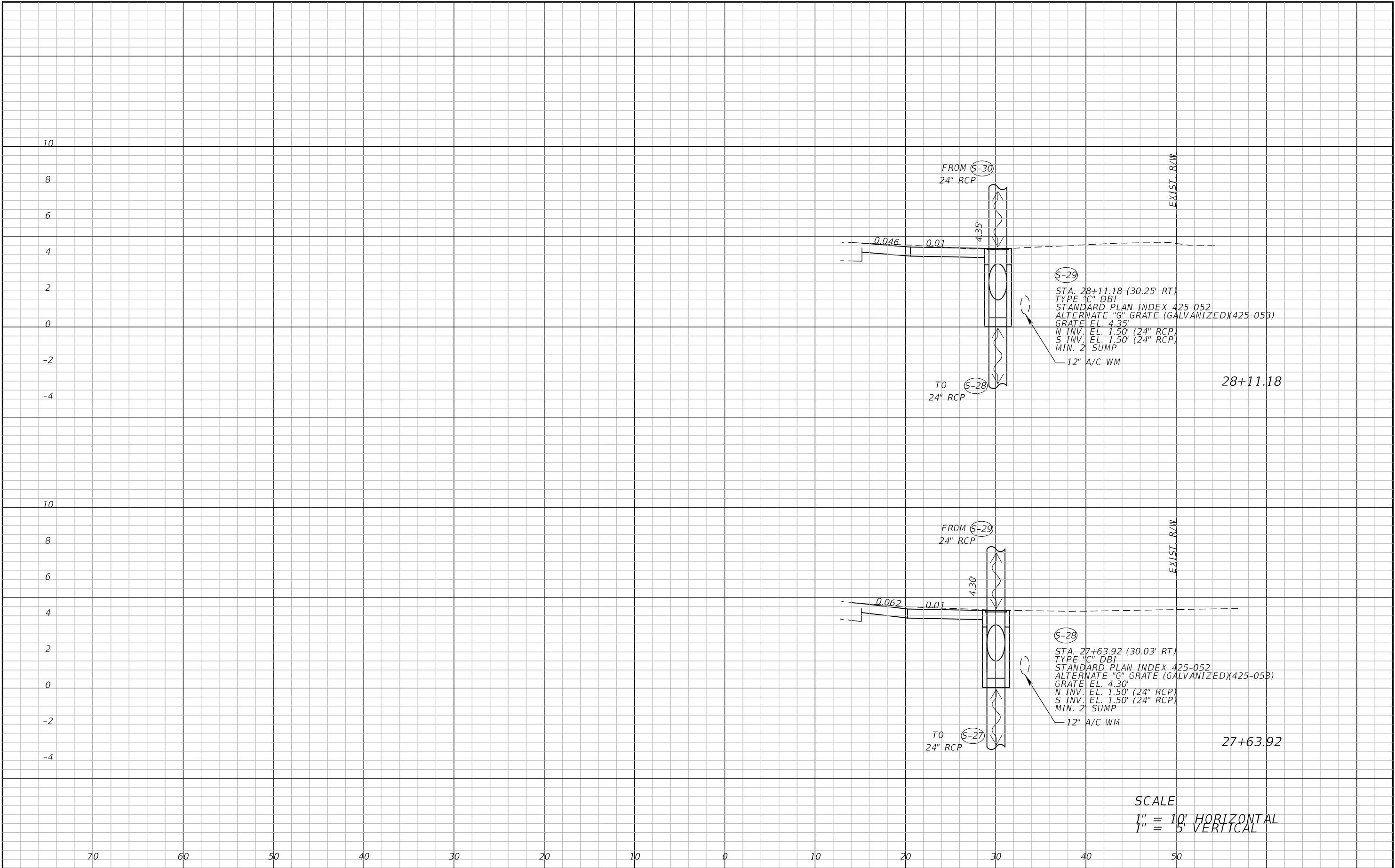
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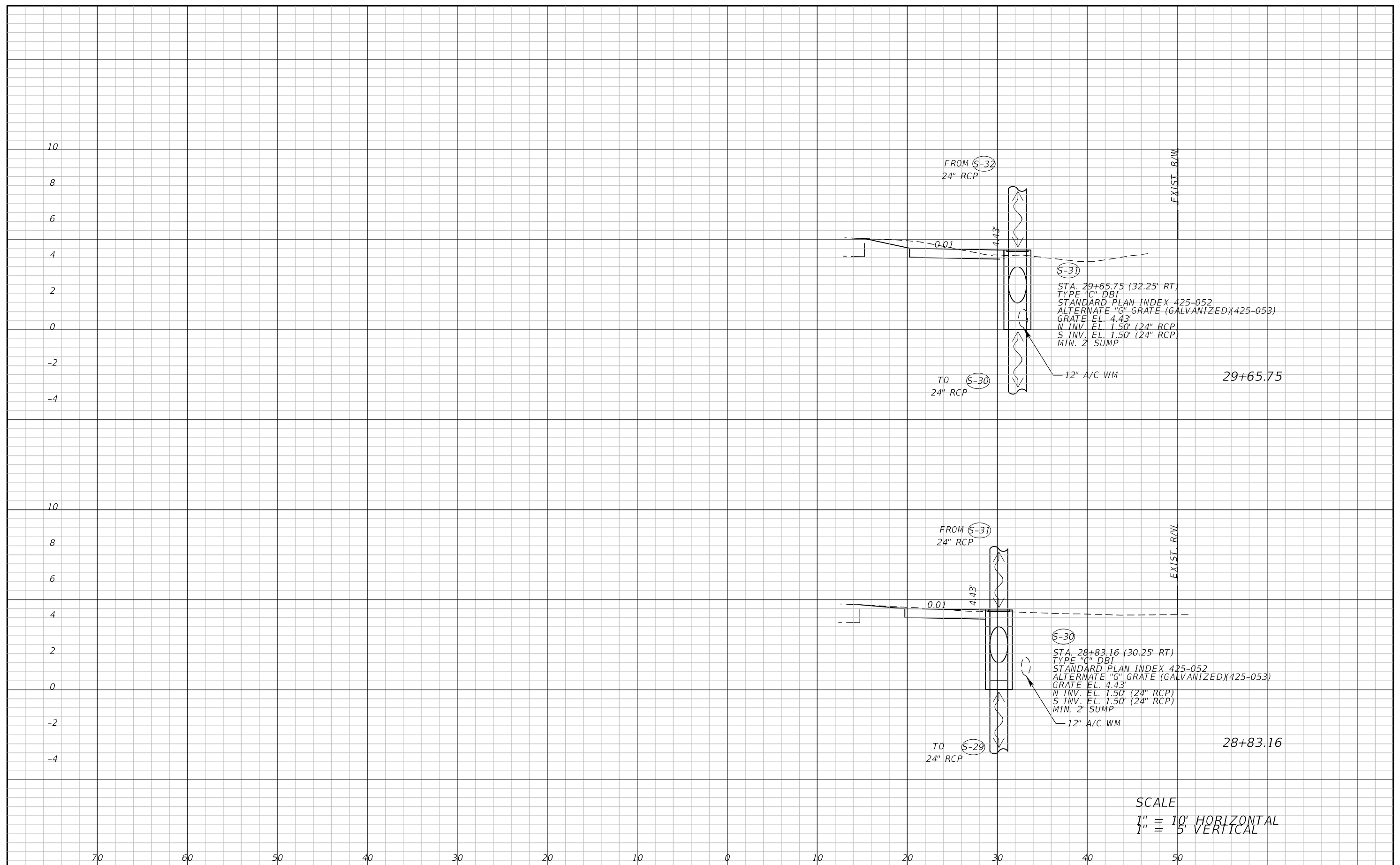
REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTION (14) STRINGFELLOW ROAD	SHEET NO. 70
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				STRINGFELLOW ROAD	LEE	206002		




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DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
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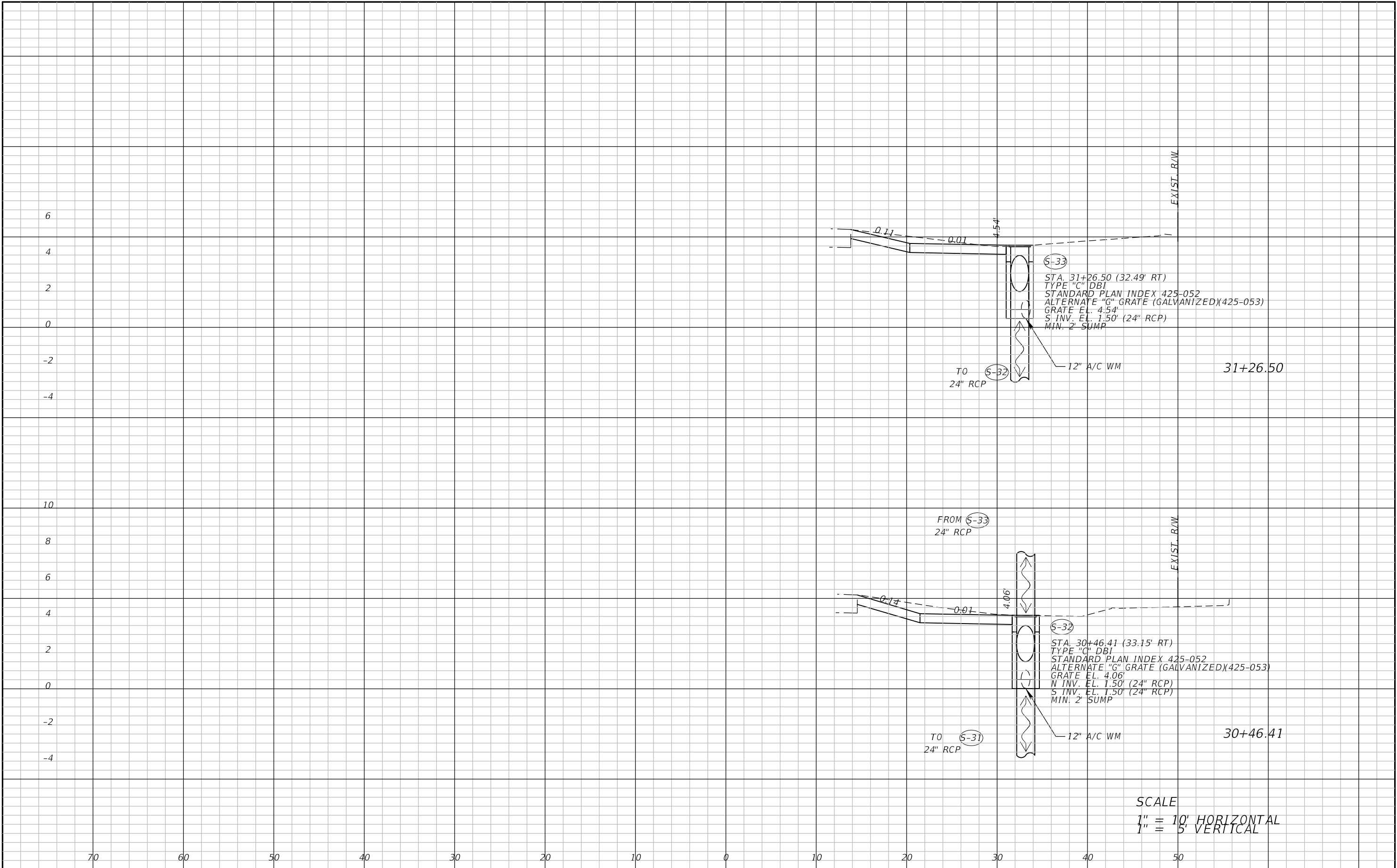







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REVISIONS DATE DESCRIPTION						ROAD COUNTY COUNTY PROJECT NO.							
						STRINGFELLOW ROAD LEE 206002						74	

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REVISIONS		 LEE COUNTY SOUTHWEST FLORIDA	ATKINS 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			DRAINAGE CROSS SECTION (19) STRINGFELLOW ROAD	SHEET NO. 75
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		
				STRINGFELLOW ROAD	LEE	206002		

I. SITE DESCRIPTION

(I) NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT IS LOCATED IN LEE COUNTY ALONG THE EAST SIDE OF STRINGFELLOW RD. FROM EIGHTH AVE. TO YORK RD. THE PROPOSED IMPROVEMENTS INCLUDE MODIFYING THE DITCH ALONG STRINGFELLOW RD. IN ORDER TO ACCOMODATE THE PROPOSED 10' SHARED USE PATH. SELECT PIPES UNDER DRIVEWAYS WILL BE REPLACED IN ORDER TO MAINTAIN DRAINAGE FLOW PATTERNS. PROJECT LENGTH IS APPROXIMATELY 0.67 MILES ALONG STRINGFELLOW RD.

THIS PROJECT WILL MAINTAIN CURRENT CONVEYANCE THROUGH THE PROJECT LIMITS AND WILL NOT PROVIDE ANY FORMAL WATER QUALITY IMPROVEMENTS.

(2) SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

- (a) THE CONTRACTOR SHALL BE REQUIRED TO PREPARE A SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN ALONG WITH A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND DETERMINE SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT.
- (b) THE CONTRACTOR WILL BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS, CONSTRUCTION ACTIVITY VARIATIONS, OR AS DIRECTED BY THE ENGINEER.
- (c) APPLICABLE EROSION AND SEDIMENT CONTROL DEVICES AND IMPLEMENTATION PROCEDURES ARE SUPPLIED IN THE THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL).

(3) GENERAL NOTES:

- (a) ALL EROSION AND SEDIMENT CONTROL DEVICES FOR EACH PHASE OF WORK ARE TO BE INSTALLED PRIOR TO BEGINNING WORK ON THAT PHASE.
- (b) INSTALL EROSION AND SEDIMENT CONTROL DEVICES WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR PERIMETER CONTROLS BEFORE THE LAND IS DISTURBED.
- (c) PROVIDE SEDIMENT BARRIERS WHERE LISTED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN FOR DITCH/SWALE CHECK DAMS DURING CONSTRUCTION.
- (d) PROVIDE INLET PROTECTION SYSTEMS AT INLET OPENINGS.
- (e) COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
- (f) DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
- (g) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
- (h) DO NOT REMOVE PERIMETER CONTROLS UNTIL ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.

(4) PROJECT AREAS:

THE ESTIMATED TOTAL PROJECT AREA IS 3.06 ACRES. THE ESTIMATED AREA TO BE DISTURBED DURING CONSTRUTION ACTIVITIES IS 2.81 ACRES

(5) RUNOFF COEFFIECIENTS:

PRE RUNOFF COEFFICIENT:
POST CONSTRUCTION RUNOFF COEFFICIENT:

(6) DESCRIPTION OF SOIL:

NOT AVAILABLE.

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

THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED BELOW ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

- (a) SITE MAP: THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS, AND ARE INCLUDED WITH THESE SHEETS.

(8) RECEIVING WATERS:

THE ONSITE RUNOFF IS CONVEYED THROUGH THE CURRENT ROADSIDE DITCHES TO CROSS DRAINS FLOWING SOUTH ALONG STRINGFELLOW RD. INTO A ROADSIDE DITCH ON EIGHTH AVE WHICH OUTFALLS INTO DAWSON CANAL NORTH OF EIGHTH AND ULTIMATELY TO THE CALOOSAHATCHEE RIVER. THE CONTRACTOR SHALL PREVENT UNAUTHORIZED MATERIALS FROM ENTERING THE WATERWAY.

(9) NO WETLANDS AND/OR SURFACE WATER IMPACTS ARE ANTICIPATED ON THIS PROJECT.

(10) DESCRIPTION OF STORMWATER MANAGEMENT:

- (a) OFF-SITE RUNOFF SHOULD BE DIVERTED AWAY OR THROUGH THE CONSTRUCTION AREA, IF POSSIBLE. THIS ADDITIONAL FLOW, IF NOT DIVERTED, CAN ADD VOLUME AND SIZE TO STRUCTURAL PRACTICES, REQUIRING MORE FREQUENT MAINTENANCE AND LIMITING EFFECTIVENESS OF EROSION AND SEDIMENT CONTROLS.
- (b) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. SEDIMENT CONTROL WILL BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.
- (c) STORMWATER RUNOFF SHALL BE CONVEYED TO EITHER TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR TO PERMANENT STORMWATER MANAGEMENT FACILITIES (TREATMENT AND ATTENUATION PONDS). THE PROPOSED SEDIMENT BASINS, CONTAINMENT SYSTEMS AND/OR STORMWATER MANAGEMENT FACILITIES SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND USED DURING CONSTRUCTION OF THE ROADWAY. THE OUTFALL STRUCTURES ARE TO BE PLUGGED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL.
- (d) THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORIZED MATERIALS FROM ENTERING WETLANDS, WATERWAYS, OTHER SURFACE WATERS OR WATERS OF THE U.S.

2. CONTROLS:


SEDIMENT AND EROSION CONTROLS:

(I) WATER QUALITY MONITORING:

- (a) WATER QUALITY MONITORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE SPECIAL CONDITIONS OF ANY ENVIRONMENTAL PERMIT OR BY THE CONTRACTOR UPON THE OBSERVATION THAT WATER QUALITY STANDARDS MAY BE VIOLATED BY THE CONTRACTOR'S ACTIVITIES. MONITORING LOCATIONS MAY BE SPECIFIED IN THE ENVIRONMENTAL PERMIT OR MAY BE DESIGNATED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ADMINISTRATOR.
- (b) THE PROJECT ADMINISTRATOR WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (29 NTU'S ABOVE BACKGROUND OR 1 NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).
- (c) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY, THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES RE-EVALUATED AND APPROVED BY THE ENGINEER PRIOR TO ANY CONTINUATION OF ACTIVITY. MONITORING ACTIVITIES AND TURBIDITY READINGS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION REPORT AND CONTINUED UNTIL TURBIDITY READINGS FALL BELOW AN ACCEPTABLE LEVEL (29 NTU'S ABOVE BACKGROUND OR 1NTU ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFW'S).
- (d) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

(2) STABILIZATION PRACTICES:

- (a) STABILIZATION MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO MAINTAINING, ESTABLISHING AND USING VEGETATION, APPLYING MULCHES, SODDING, SEEDING, BMP'S AND THE USE OF ROLLED EROSION CONTROLLED PRODUCTS. WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, SIDE SLOPES SHALL BE STABILIZED WITH PERFORMANCE SODDING OR SEEDING OR ANY OTHER APPROVED METHOD OF STABILIZATION INCLUDED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL (E&SC MANUAL).
- (b) STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.
- (c) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS, AND THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN.

REVISIONS		 <div>LEE COUNTY SOUTHWEST FLORIDA</div>	<div>ATKINS</div> <div>1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341</div>	LEE COUNTY DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN (1)	SHEET NO.
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		76
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- (d) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF THE PROJECT HAS BEEN ACHIEVED.
- (e) SEDIMENT BARRIERS SHOULD BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE GROUND SLOPES AWAY FROM THE RIGHT OF WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE. PARTICULAR CARE SHOULD BE USED WHEN WETLANDS OR WATERS OF THE U.S. ARE INVOLVED. SEDIMENT BARRIERS SHOULD BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.
- (f) SPACING OF SEDIMENT BARRIERS USED AS DITCH OR SWALE CHECKS/DAMS SHOULD BE BASED UPON THE HEIGHT OF THE BARRIER AND THE SLOPE OF THE DITCH OR SWALE.
- (g) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING SOIL TRACKING PREVENTION SYSTEMS OR PROCEDURES AS NEEDED.

(3) STRUCTURAL PRACTICES FOR EROSION AND SEDIMENT CONTROL:

- (a) ROLLED EROSION CONTROL PRODUCTS (ARTIFICIAL COVERINGS)
PURPOSE: TO PROTECT DISTURBED SLOPE SURFACES AGAINST EROSION DUE TO RAINFALL OR FLOWING WATER.
 - (1) USED FOR PAUSES IN CONSTRUCTION DUE TO INCLEMENT WEATHER OR OTHER CIRCUMSTANCES: COULD INCLUDE NATURAL OR SYNTHETIC FIBER MATS, PLASTIC SHEETING OR NETS.
 - (2) USED FOR EROSION CONTROL THAT FACILITATES PLANT GROWTH WHILE PERMANENT GRASS IS ESTABLISHED: COULD INCLUDE BIODEGRADABLE EROSION CONTROL BLANKETS INSTALLED ON A SEEDED AREA, ON FILL SLOPES OR IN DITCHES.
 - (3) USED TO STABILIZE DRAINAGE CHANNELS: CONSULT E&SC MANUAL TO DETERMINE CORRECT PRODUCT TYPE FOR CHANNEL STABILIZATION.
- (b) RUNOFF CONTROL STRUCTURE (TEMPORARY SLOPE DRAIN)
PURPOSE: TO PROTECT HILLSIDE SURFACES AGAINST EROSION DUE TO CONCENTRATED FLOW OF RUNOFF WATER.
 - (1) USED ON FILL SLOPES AND CUT SLOPES TO REDUCE SEDIMENT TRANSPORT AND COULD INCLUDE TEMPORARY SLOPE DRAINS, GRASS-LINED CHANNELS, ROCK-LINED CHANNELS AND CHECK DAMS.
 - (2) RUNOFF CONTROL STRUCTURES TYPICALLY DISCHARGE TO A SEDIMENT BASIN.
- (c) SEDIMENT BASIN (CONTAINMENT SYSTEM)
PURPOSE: A CONTAINMENT SYSTEM IS DESIGNED TO DETAIN AN ADEQUATE VOLUME OF RUNOFF, REDUCE THE VELOCITY OF FLOW THROUGH THE SYSTEM, ALLOW FOR SETTLEMENT OF SUSPENDED SOLIDS AND REGULATE THE DISCHARGE RATE FROM THE SEDIMENT BASIN.
 - (1) SEDIMENT BASINS MUST BE PLACED IN STRATEGIC LOCATIONS WITHIN THE ACTIVE AREAS OF CONSTRUCTION. CONTRIBUTING AREA AND SIZE OF TARGET SOIL PARTICLE WILL DICTATE WHETHER THE SEDIMENT BASIN WILL BE TYPE 1, TYPE 2 OR TYPE 3 SYSTEM.
 - (2) THE USE OF SMALLER PRE-SEDIMENTATION BASINS USED IN CONJUNCTION WITH LARGER PERMANENT RETENTION/DETENTION PONDS ARE EFFECTIVE IN CAPTURING LARGER VOLUMES OF SEDIMENTS. THIS TECHNIQUE REQUIRES PERIODICALLY SCHEDULED REMOVAL OF THE ACCUMULATED SEDIMENTS.
- (d) SEDIMENT BARRIERS (TEMPORARY CONSTRUCTION SITE BMP'S)
PURPOSE: SEDIMENT BARRIERS EITHER OBSTRUCT FLOW OR PREVENT THE PASSAGE OF WATER WHILE CONSTRUCTION ACTIVITIES OCCUR. SMALLER SEDIMENT BARRIERS MAY FUNCTION AS A SMALL SEDIMENT CONTAINMENT SYSTEM OR AS A METHOD TO REDUCE FLOW VELOCITY.
 - (1) THESE CONSTRUCTION BMP'S CAN INCLUDE SYNTHETIC BALES, STAKED SILT FENCE, TURBIDITY BARRIER, STORM SEWER INLET BARRIERS, ROCK BARRIERS, GEOSYNTHETIC BARRIERS, ETC.
 - (2) APPROPRIATE LOCATIONS INCLUDE SITE PERIMETER, BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION, BELOW THE TOE OF EXPOSED AND ERODIBLE SLOPES, ALONG THE TOE OF STREAM AND CHANNEL BANKS, AROUND DRAINS AND INLETS LOCATED IN LOWPOINTS OR THE DOWNSTREAM EDGE OF AREAS UNDERGOING VERTICAL OR BOX CULVERT CONSTRUCTION ACTIVITIES.
 - (3) INAPPROPRIATE LOCATIONS FOR THESE SAME MEASURES INCLUDE PARALLEL TO A HILLSIDE CONTOUR, IN CHANNELS WITH CONCENTRATED FLOW (UNLESS PROPERLY REINFORCED), UPSTREAM OR DOWNSTREAM OF CULVERTS WITH CONCENTRATED FLOW, IN FRONT OF OR AROUND INLETS ON A GRADE WITH CONCENTRATED FLOW OR IN FLOWING STREAMS.
- (e) INLET PROTECTION SYSTEM
PURPOSE: ANY OF A NUMBER OF SEDIMENT BARRIERS THAT EITHER PREVENT SEDIMENT FROM ENTERING AN INLET OR TRAP THE SEDIMENTS ONCE THEY ENTER THE INLET.
 - (1) TYPICAL APPLICATIONS INCLUDE ROCK BARRIERS, FRAME AND FILTER BARRIERS, CURB INLET "SUMP" BARRIER, CURB INLET DIVERSION BERM, CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM OR CURBINLET INSET.

- (2) SHOULD BE INSTALLED ONLY WHEN CONSTRUCTION ACTIVITIES ARE ON-GOING AND ONLY WHERE SUMP CONDITIONS EXIST.
- (3) SHOULD NOT BE USED WHEN CONSTRUCTION IS COMPLETE AND SHOULD NOT BE USED IN AREAS WHERE FLOODING COULD ENCROACH INTO THE TRAVEL LANES.

II. OTHER CONTROLS:

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

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

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

- (3) STATE AND FEDERAL REGULATIONS: PROJECT SHOULD BE EXEMPT FROM PERMITTING SINCE THE WORK IS LIMITED TO ADDING A MULTI-USE PATHWAY <14' PER SFWMD 62-330.05> EXEMPT ACTIVITIES. GIVEN THAT THE PROPOSED IMPROVEMENTS WILL OCCUR IN UPLAND CUT DITCHES, NOT NATURAL SWALES.

(4) NON-STORMWATER (INCLUDING SPILL REPORTING)

THE CONTRACTOR WILL PROVIDE LEE COUNTY WITH AN EROSION AND SEDIMENT CONTROL PLAN THAT WILL INCLUDE SPILL CONTAINMENT, REPORTING, AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR, OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT MICHAEL JOHNSON (239) 334-7275.

IV. MAINTENANCE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.



- (1) ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR AND ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.
- (2) SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- (3) SYNTHETIC BALES SHALL BE MAINTAINED TO ENSURE THEIR USEFULNESS AND NOT BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.
- (4) STAKED SILT FENCES SHALL BE REPLACED EVERY TWELVE (12) MONTHS OR WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.
- (5) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

IV. INSPECTION:

- (1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT.
- (2) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P. CERTIFIED STORMWATER MANAGEMENT INSPECTORS.
- (3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.

V. TRACKING AND REPORTING:

- (1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE COUNTY DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.
- (2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION, SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION AND SEDIMENT CONTROL DEVICES OR LUMP SUM COST OF THE PROJECT.

REVISIONS			 1514 Broadway, Suite 202, Ft. Myers, FL 33901-3015 FBPE Certificate of Authorization No. 24 Michael T. Johnson, P.E. 84341	LEE COUNTY DEPARTMENT OF TRANSPORTATION			STORMWATER POLLUTION PREVENTION PLAN (2)	SHEET NO.
DATE	DESCRIPTION			ROAD	COUNTY	COUNTY PROJECT NO.		77
				STRINGFELLOW ROAD	LEE	206002		