

**CONTRACT PLANS COMPONENTS**

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS
- INTELLIGENT TRANSPORTATION SYSTEMS PLANS
- LIGHTING PLANS
- UTILITY PLANS

**INDEX OF ROADWAY PLANS**

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\* These sheets is included in the Index of Roadway Plans only to indicate that it is part of the Roadway Plans. This sheet is contained in a separate digitally signed and sealed document.

**GOVERNING DESIGN STANDARDS:**

Florida Department of Transportation, FY2022-23 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>

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

**GOVERNING STANDARD SPECIFICATIONS:**

Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

MANATEE COUNTY

CONTRACT PLANS

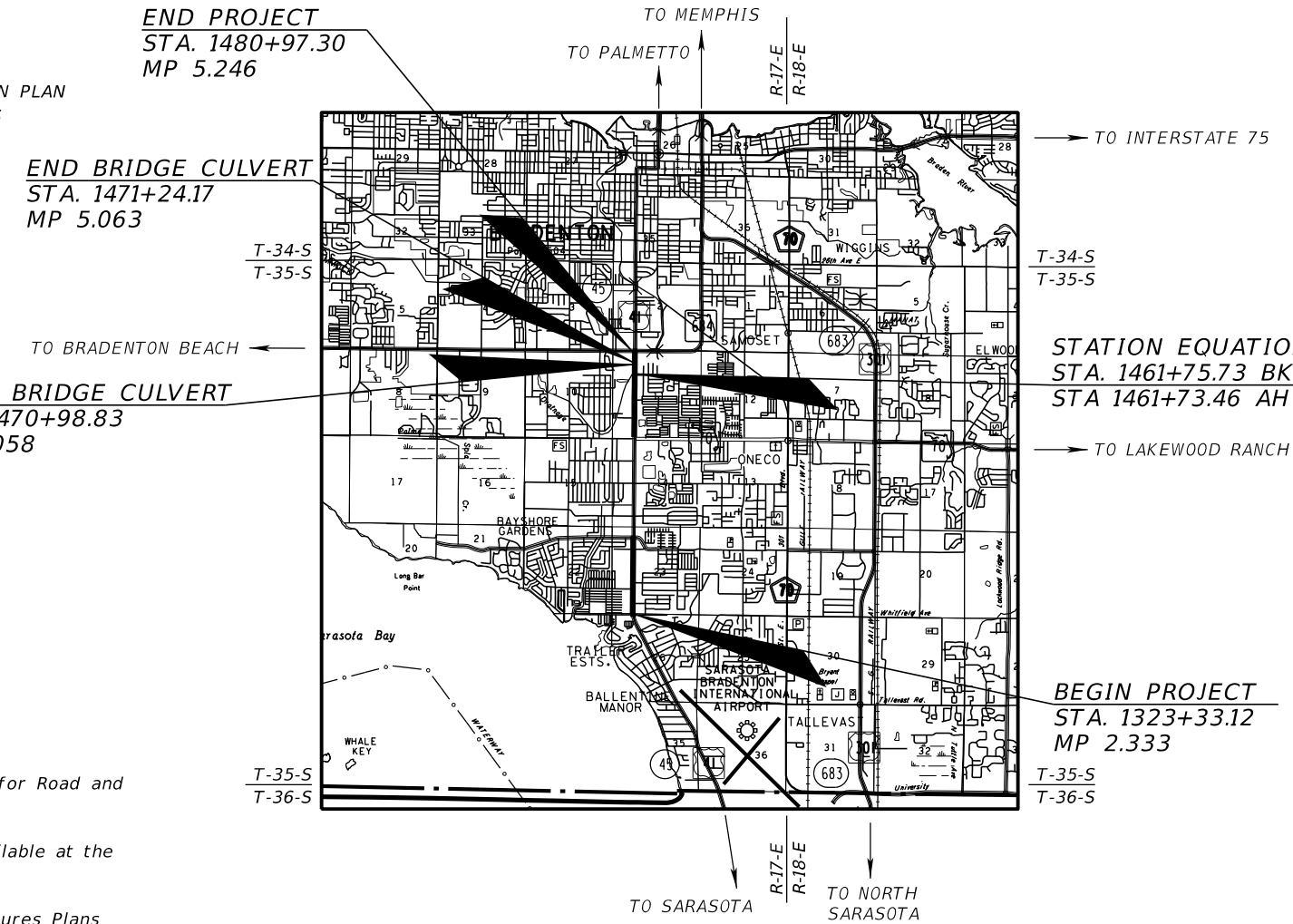
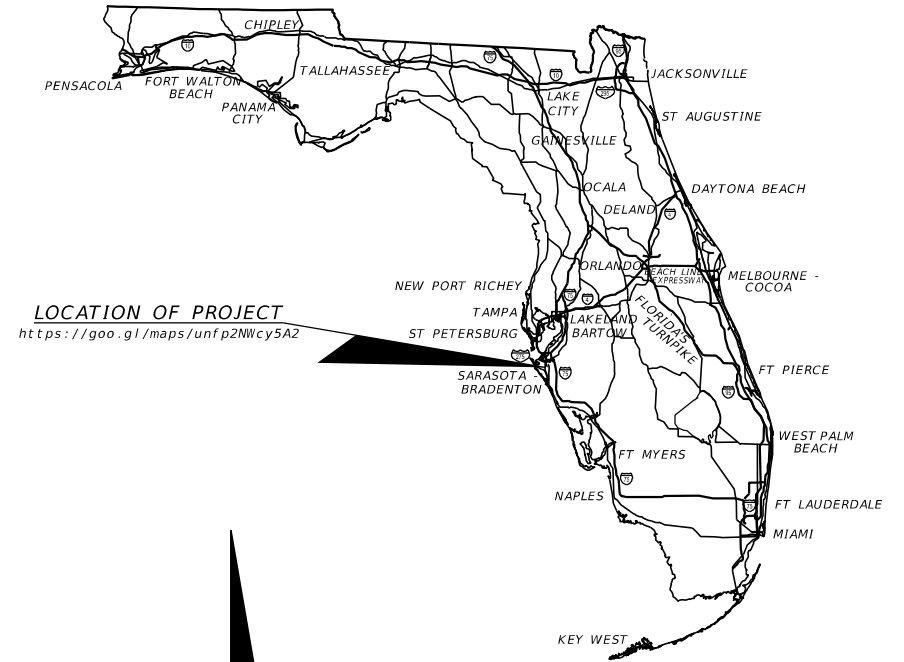
FINANCIAL PROJECT ID 433592-4-58-01

(FEDERAL FUNDS)

MANATEE COUNTY (13010)

STATE ROAD NO. 45 (US 41)

FROM 69TH AVE (BAY DRIVE) TO CORTEZ ROAD



**ROADWAY PLANS**

**ENGINEER OF RECORD:**

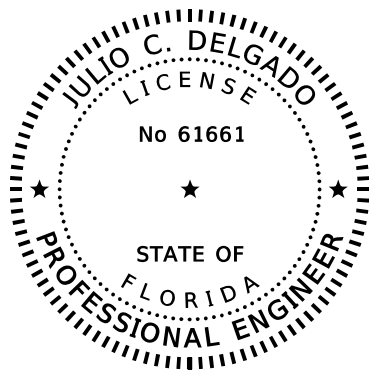
JULIO C. DELGADO, P.E. NO.: 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324  
 CONTACT NO.: (954) 716-6624  
 CONTRACT NO.: C9N99  
 VENDOR NO.: 451909667

**FDOT PROJECT MANAGER:**

AMY BLAIR, P.E.

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
22-TA004373DJ	23	1

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



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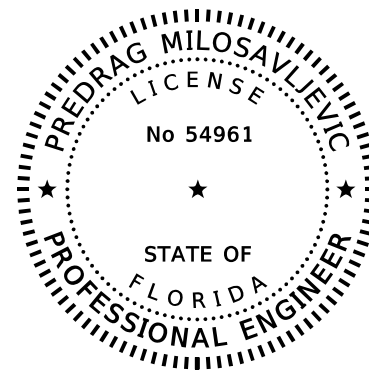
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SCALAR CONSULTING GROUP INC.  
8715 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324  
JULIO C. DELGADO, P.E. NO. 61661

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

**ROADWAY PLANS**

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION
6 - 11	PROJECT CONTROL
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155 - 190	UTILITY ADJUSTMENTS
191 - 195	CONTAMINATION PLANS
SQ-1 - SQ-42	SUMMARY OF QUANTITIES



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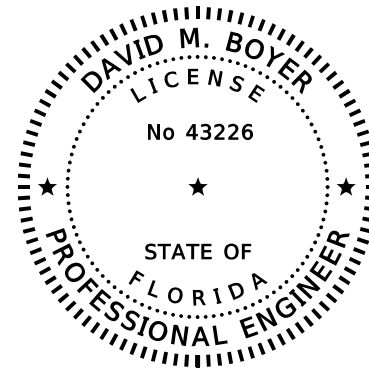
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SCALAR CONSULTING GROUP INC.  
5713 CORPORATE WAY, SUITE 200  
WEST PALM BEACH, FLORIDA 33407  
PREDRAG MILOSAVLJEVIC, P.E. NO. 54961

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

**ROADWAY PLANS**

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
54	SPECIAL JUNCTION SLAB PLAN & NOTES
55 - 58	SPECIAL JUNCTION SLAB DETAILS



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SCALAR CONSULTING GROUP INC.  
2250 LUCIEN WAY, SUITE 120  
MAITLAND, FLORIDA 32751  
DAVID M. BOYER, P.E. NO. 43226

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

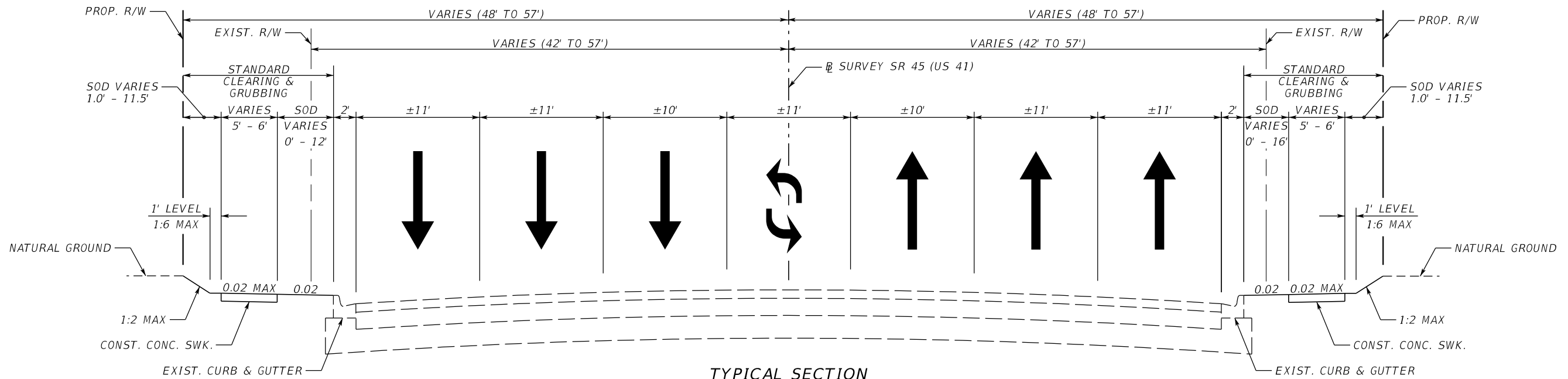
**ROADWAY PLANS**

SHEET NO.	SHEET DESCRIPTION
2	SIGNATURE SHEET
4	SUMMARY OF DRAINAGE STRUCTURES
5	OPTIONAL MATERIALS TABULATION
47 - 52	DRAINAGE STRUCTURES
147 - 148	STORMWATER POLLUTION PREVENTION PLAN

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  2
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

**SIGNATURE SHEET**





TYPICAL SECTION  
SR 45 (US 41)  
NTS

STA. 1323+33.12 TO STA. 1363+18.46  
STA. 1430+89.00 TO STA. 1480+97.30

STATION EQUATION:  
STA. 1461+75.73 BK = STA. 1461+73.46 AH

MILLING & RESURFACING LIMITS

STA. 1338+04.51 TO STA. 1339+22.45  
STA. 1452+65.82 TO STA. 1453+59.10  
STA. 1467+75.94 TO STA. 1468+92.42

MILLING

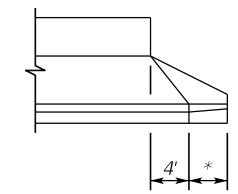
MILL EXISTING ASPHALT  
PAVEMENT FOR DEPTH (1.50")

RESURFACING

FRICTION COURSE FC-12.5 (TRAFFIC E) (1.50") (PG 76-22)

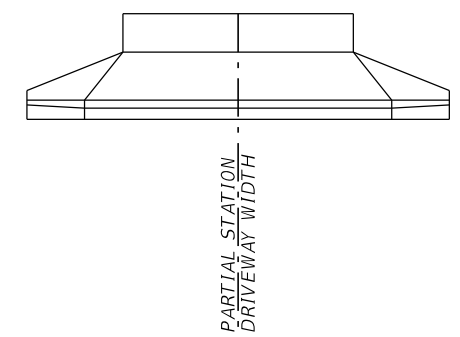
DRIVEWAY FLARE DETAIL  
NTS

8.0' FLARE STA. 1326+65.01 (RT)  
STA. 1449+63.92 (RT)  
9.5' FLARE STA. 1342+69.74 (LT)



\* 4.0' FOR 8.0' FLARE  
5.5' FOR 9.5' FLARE

DRIVEWAY SPECIAL DETAIL  
NTS



WIDENING LIMITS

STA. 1338+81.23 TO STA. 1338+93.25  
STA. 1338+95.90 TO STA. 1339+22.45  
STA. 1342+30.97 TO STA. 1342+44.47  
STA. 1342+82.14 TO STA. 1342+96.64  
STA. 1441+88.02 TO STA. 1442+15.95  
STA. 1463+14.29 TO STA. 1463+38.79  
STA. 1468+66.68 TO STA. 1468+92.42

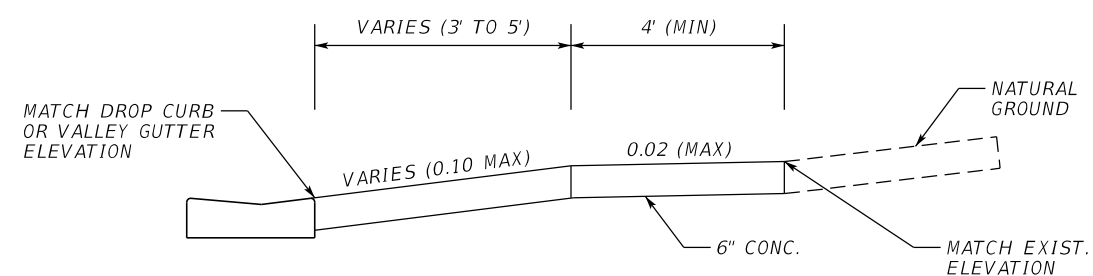
WIDENING

TYPE B STABILIZATION LBR 40 (12.00")  
OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC E) (2.00")  
FRICTION COURSE FC-12.5 (TRAFFIC E) (1.50") (PG 76-22)

NOTE: ACTUAL WIDTH OF BASE WIDENING MAY VARY  
DUE TO ACTUAL EXISTING PAVEMENT WIDTH. A  
UNIFORM WIDTH BASE WIDENING STRIP MAY BE  
CONSTRUCTED AT NO ADDITIONAL COMPENSATION.

TRAFFIC DATA

YEAR = 2019 AADT = 44500  
K = 9% D = 56% T = 3% (24 HOUR)  
DESIGN SPEED = 45 MPH  
POSTED SPEED = 45 MPH



DRIVEWAY SECTION DETAIL  
NTS

MOD. A-1 MOD. A-2 MOD. A-12  
MOD. M-2 MOD. M-3 MOD. M-13

NOTE: DRIVEWAYS TO BE CONSTRUCTED BY FDOT STANDARDS AND ARE LABELED AS  
MODIFIED DUE TO THE VARYING DRIVEWAY GRADES. REFER TO DRIVEWAY HALF  
SECTIONS FOR DRIVEWAY GRADING.

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

TYPICAL SECTION

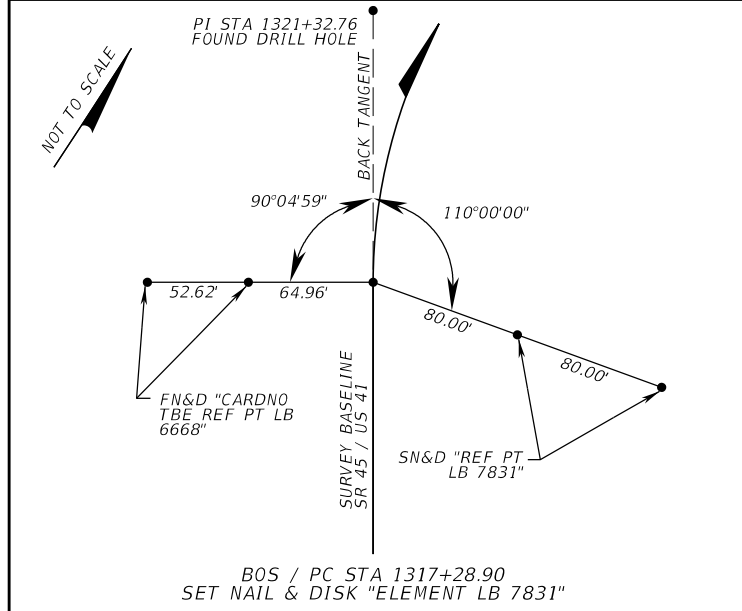
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QUANTITY	STR NO.	STATION	SIDE	DESCRIPTION	BARRELS	STORM AND CROSS DRAIN OPTIONAL TYPE (LF)			CURB INLETS (EA)			MANHOLE (EA)		JUNCTION BOX PARTIAL (EA)	TRENCH DRAIN (LF)	REMARKS
						ROUND	ROUND	ELLIPT.	P-5	P-5	J-5	7	P-8			
						15"	18"	43" X 68"	PARTIAL	<10'	<10'	PART.	<10'			
P	S-01	1338+99.42	RT	MH												
F																
P	S-02	1339+12.45	RT	CURB INLET, PIPE	1	11				1						
F																
P	S-03	-	-	NOT USED												NOT USED
F																
P	S-04	1342+40.96	LT	CURB INLET					1							
F																
P	S-05	-	-	NOT USED												NOT USED
F																
P	S-06	-	-	NOT USED												NOT USED
F																
P	S-07	1342+73.16	RT	PARTIAL MH							1					
F																
P	S-08	1342+86.64	RT	CURB INLET	1	11				1				21		TYPE II TRENCH DRAIN (TD 1)
F																
P	S-09	1442+01.02	LT	CURB INLET, PIPE	1		9			1						
F																
P	S-10	1442+12.45	LT	JB								1				CONVERT EXIST. INLET TO JUNCTION BOX
F																
P	S-11	1463+24.29	RT	CURB INLET, PIPE	1		9			1						4 X 8 BOTTOM
F																
P	S-12	1463+35.29	RT	JB								1				CONVERT EXIST. INLET TO JUNCTION BOX
F																
P	S-13	1468+68.63	RT	JB								1				CONVERT EXIST. INLET TO JUNCTION BOX
F																
P	S-14	1468+81.42	RT	CURB INLET, PIPE	1		10			1						4 X 8 BOTTOM
F																
<b>SHEET TOTALS</b>					PLAN QUANTITY	22	9	19	1	3	2	1	1	3	21	
					FINAL QUANTITY											

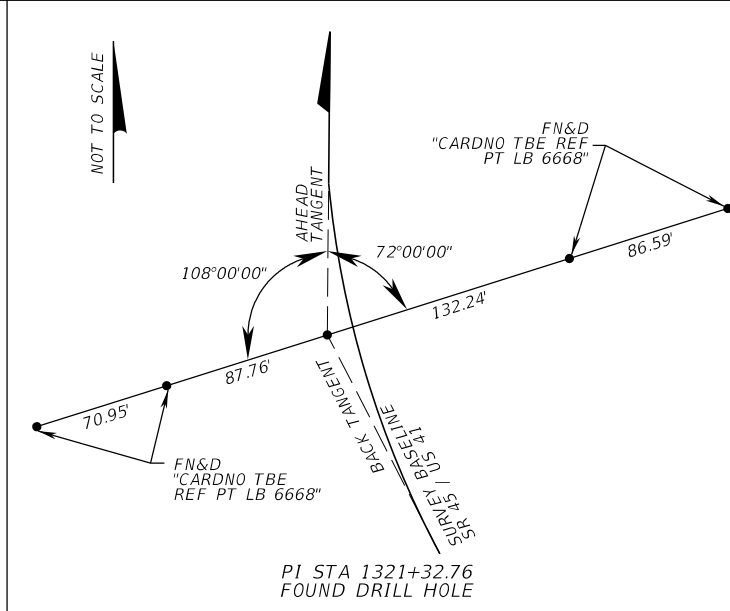
REVISIONS				DAVID M. BOYER, P.E., CFM P.E. LICENSE NUMBER 43226 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FL 32751	MANATEE COUNTY			SUMMARY OF DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		4

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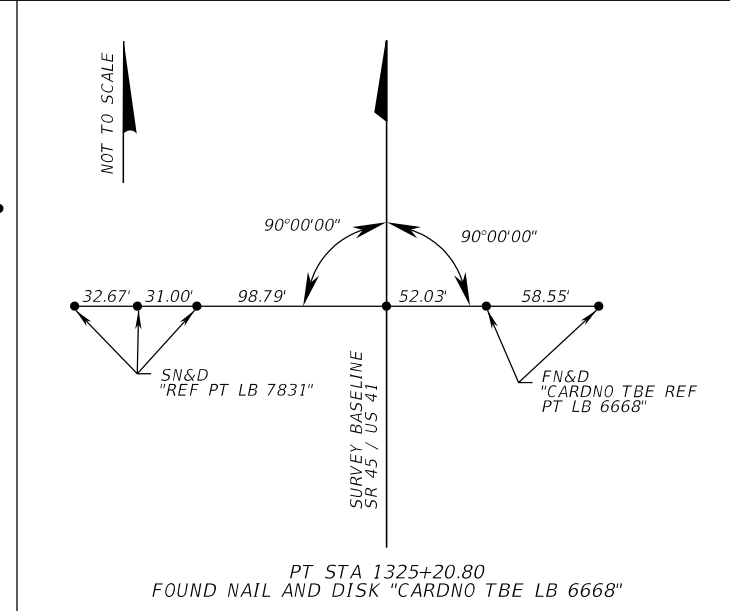




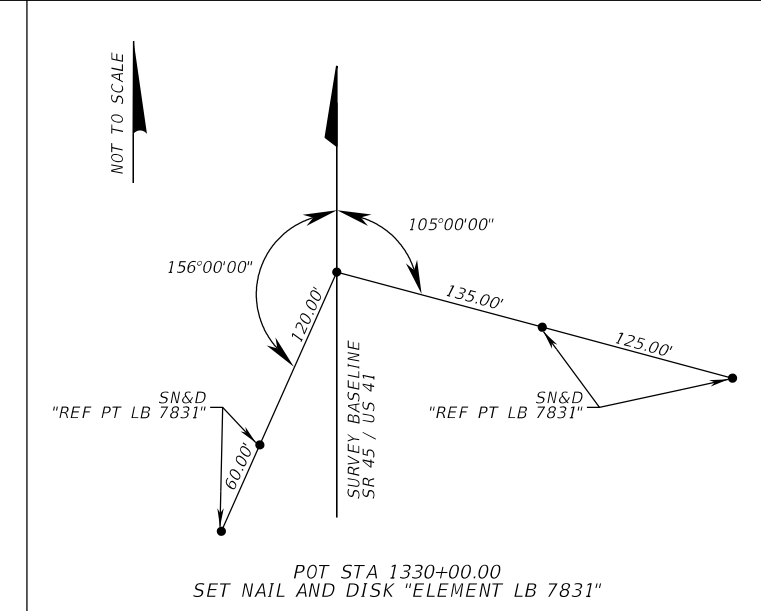
BOS / PC STA 1317+28.90  
SET NAIL & DISK "ELEMENT LB 7831"



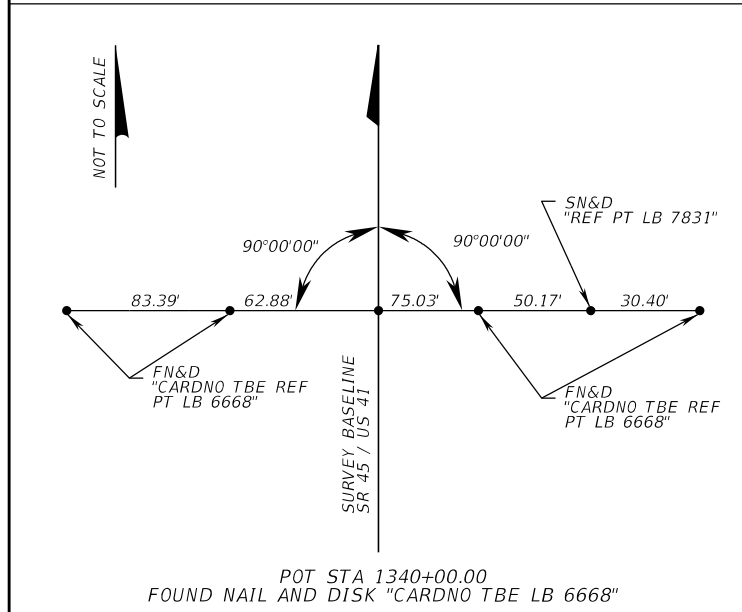
PI STA 1321+32.76  
FOUND DRILL HOLE



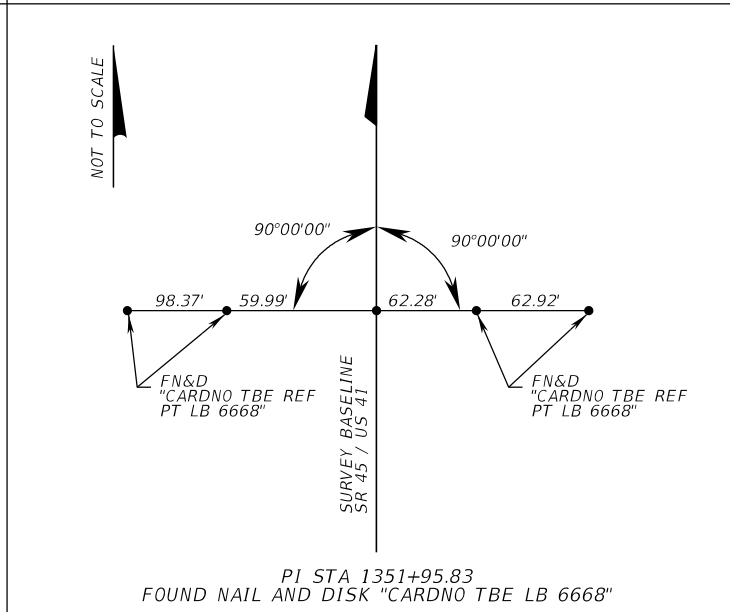
PT STA 1325+20.80  
FOUND NAIL AND DISK "CARDNO TBE LB 6668"



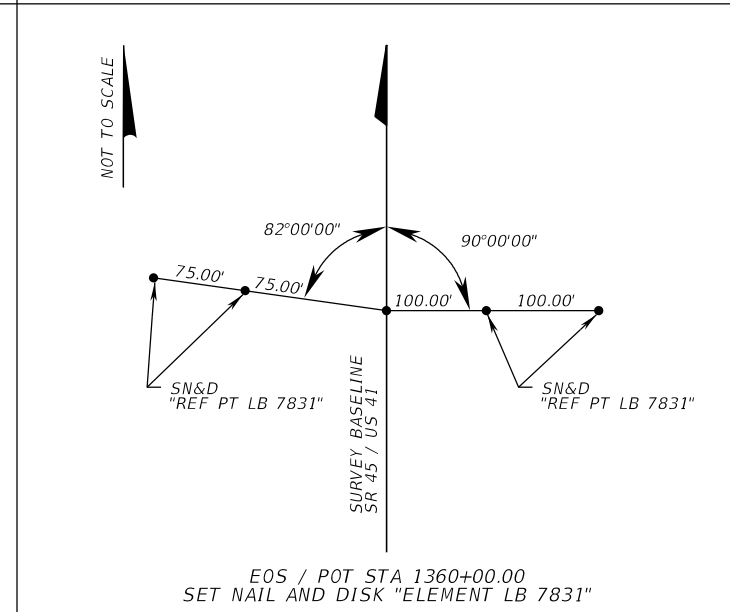
POT STA 1330+00.00  
SET NAIL AND DISK "ELEMENT LB 7831"



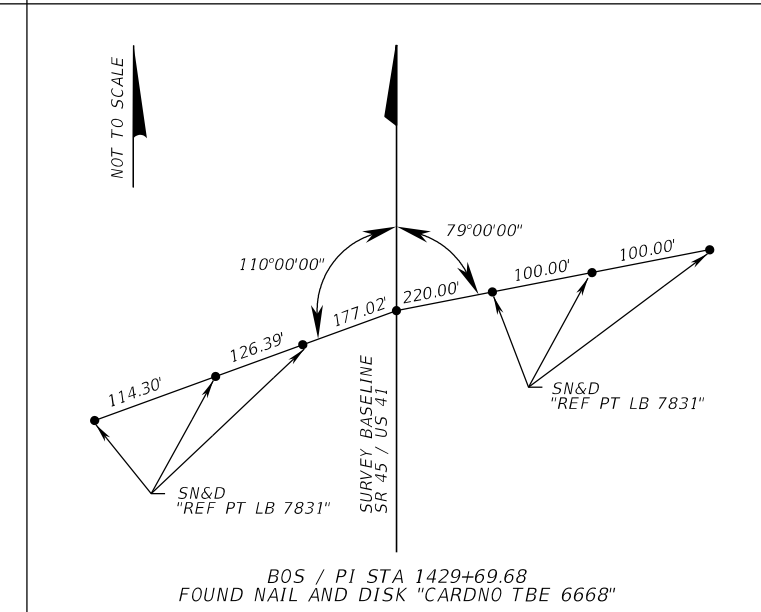
POT STA 1340+00.00  
FOUND NAIL AND DISK "CARDNO TBE LB 6668"



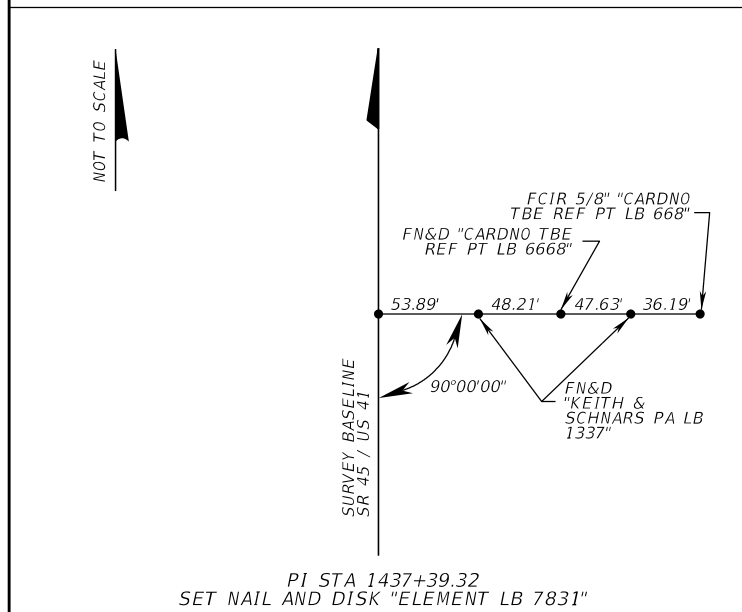
PI STA 1351+95.83  
FOUND NAIL AND DISK "CARDNO TBE LB 6668"



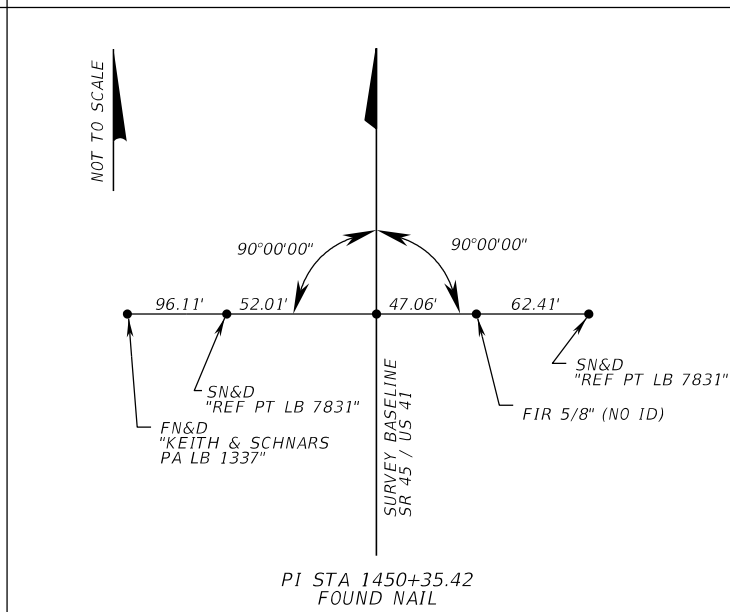
EOS / POT STA 1360+00.00  
SET NAIL AND DISK "ELEMENT LB 7831"



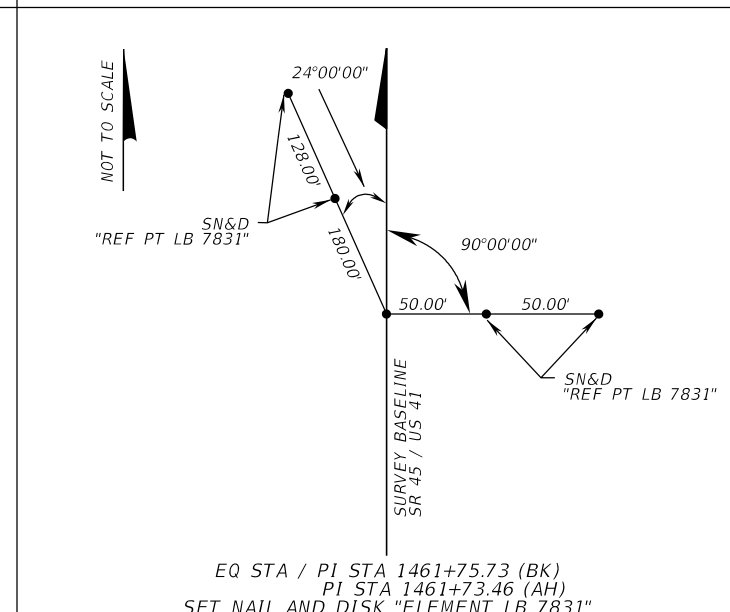
BOS / PI STA 1429+69.68  
FOUND NAIL AND DISK "CARDNO TBE 6668"



PI STA 1437+39.32  
SET NAIL AND DISK "ELEMENT LB 7831"



PI STA 1450+35.42  
FOUND NAIL



EQ STA / PI STA 1461+75.73 (BK)  
PI STA 1461+73.46 (AH)  
SET NAIL AND DISK "ELEMENT LB 7831"

**LEGEND**

- AH = AHEAD
- BK = BACK
- BOS = BEGINNING OF SURVEY
- EOS = END OF SURVEY
- EQ = EQUATION
- FCIR = FOUND CAPPED IRON ROD
- FIR = FOUND IRON ROD
- FN&D = FOUND NAIL AND DISK
- ID = IDENTIFICATION
- PC = POINT OF CURVATURE
- PI = POINT OF INTERSECTION
- PT = POINT OF TANGENCY
- POT = POINT ON TANGENT
- SN&D = SET NAIL AND DISK
- STA = STATION
- SR = STATE ROAD
- US = UNITED STATES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

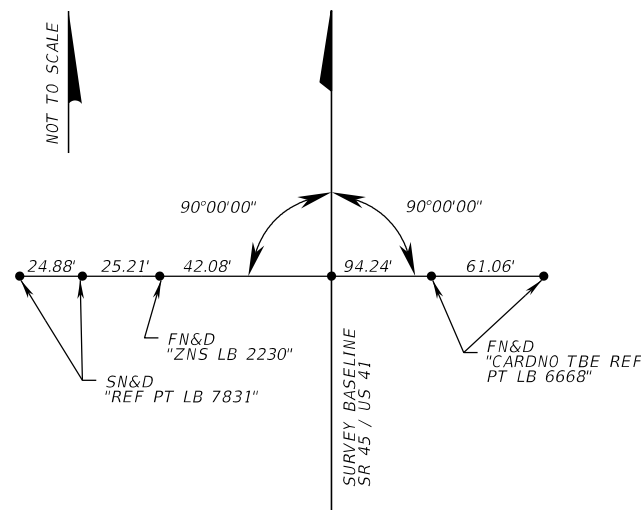
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

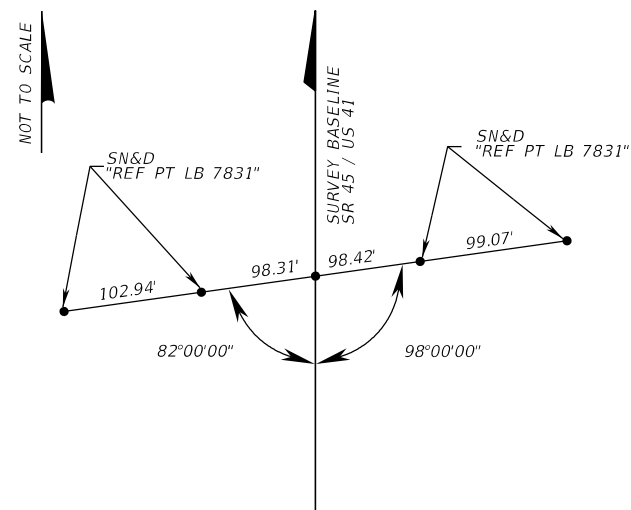
**PROJECT CONTROL (01)**

SHEET NO.  
**6**

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PI STA 1474+29.52  
SET NAIL AND DISK "ELEMENT LB 7831"



EOS / POT STA 1487+00.00  
SET NAIL AND DISK "ELEMENT LB 7831"

LEGEND

- AH = AHEAD
- BK = BACK
- BOS = BEGINNING OF SURVEY
- EOS = END OF SURVEY
- EQ = EQUATION
- FCIR = FOUND CAPPED IRON ROD
- FIR = FOUND IRON ROD
- FN&D = FOUND NAIL AND DISK
- ID = IDENTIFICATION
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- SN&D = SET NAIL AND DISK
- STA = STATION
- SR = STATE ROAD
- US = UNITED STATES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**PROJECT CONTROL (02)**

SHEET NO.  
7

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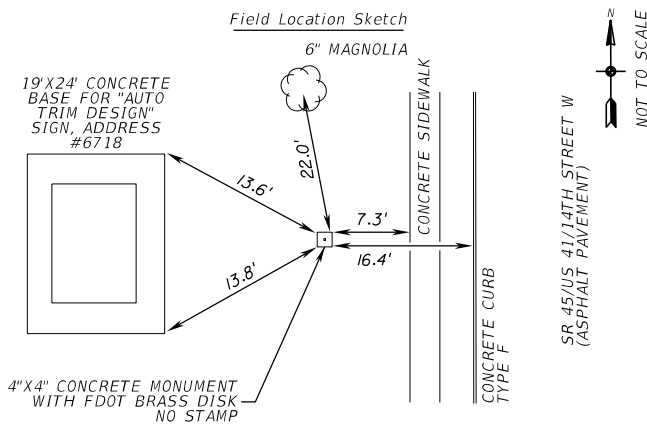
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 15 RESET Elevation Feet: 13.834'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1123000 E (X): = 469417  
Base Line Station and Offset: STATION: 1336+05 OFFSET: 55.6' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 0.25 MILES NORTH ALONG SR45 FROM THE CENTERLINE OF BOWLESS CREEK BRIDGE #130082.



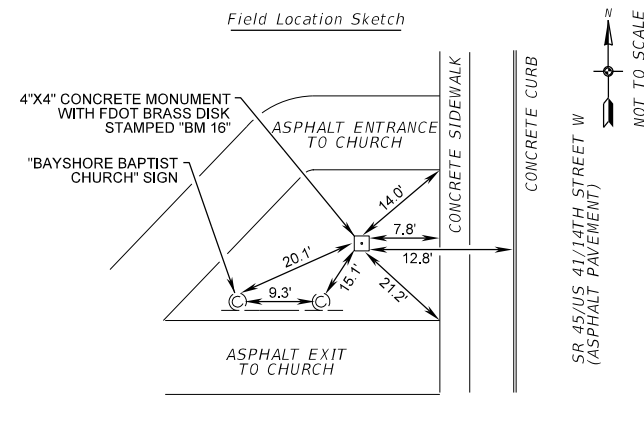
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 16 Elevation Feet: 17.696'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1124029 E (X): = 469430  
Base Line Station and Offset: STATION: 1346+34 OFFSET: 51.8' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "BM 16".

Distance and Direction from Nearest Intersection: 0.6 MILES NORTH ALONG SR45 FROM THE CENTERLINE OF BOWLESS CREEK BRIDGE #130082, 775' +/- NORTH OF THE CENTERLINE OF FLORIDA BLVD.



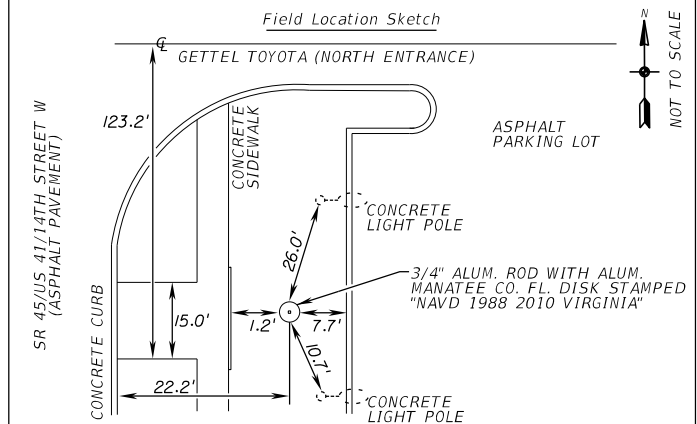
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: VIRGINIA Elevation Feet: 20.18'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1124820 E (X): = 469550  
Base Line Station and Offset: STATION: 1354+26 OFFSET: 62.1' RIGHT  
Description of Monument: FOUND 3/4" ALUM. ROD WITH ALUM. MANATEE CO. FL. DISK STAMPED "NAVD 1988 2010 VIRGINIA" ENCASED IN PVC SURROUNDED BY 12" CONC.

Distance and Direction from Nearest Intersection: 0.79 MILES NORTH ALONG SR45 FROM THE CENTERLINE OF BOWLESS CREEK BRIDGE #130082, 840' +/- SOUTH OF THE CENTERLINE OF 63RD STREET.



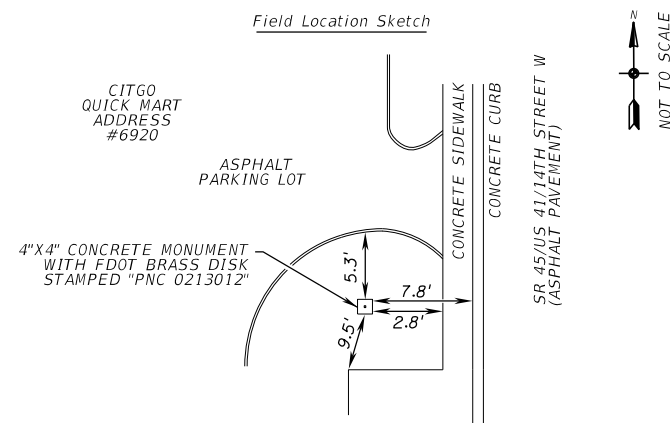
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 13 RESET Elevation Feet: 11.710'  
State Road No.: SR45/US41 County: MANATEE  
Section: 26 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1121066 E (X): = 469630  
Base Line Station and Offset: STATION: 1316+59 OFFSET: 53.5' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "PNC 0213012"

Distance and Direction from Nearest Intersection: 168' +/- NORTH OF THE CENTERLINE OF BOWLESS CREEK BRIDGE #130082, 94' +/- NORTH OF THE NORTH END OF BOWLESS CREEK BRIDGE



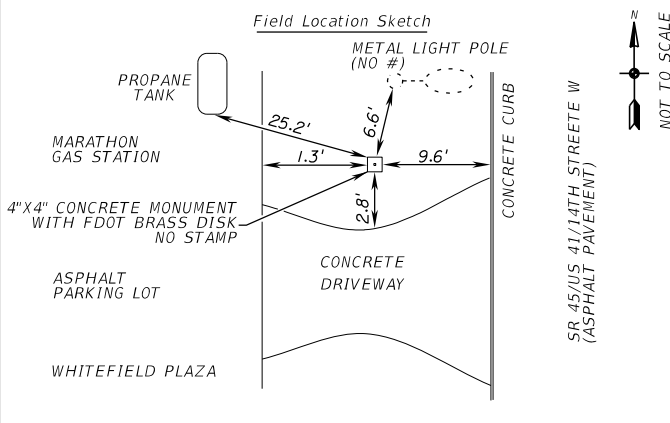
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 14 Elevation Feet: 12.693'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1122090 E (X): = 469416  
Base Line Station and Offset: STATION: 1326+95 OFFSET: 48.8' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 410' NORTH ALONG SR45 FROM THE CENTERLINE OF BOWLESS CREEK BRIDGE #130082.



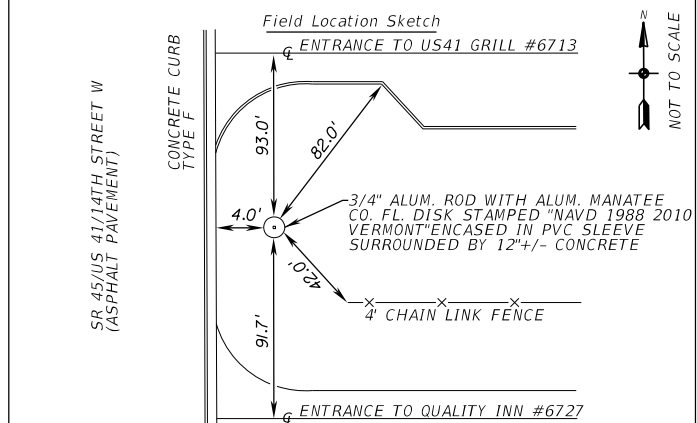
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: VERMONT Elevation Feet: 13.840'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1122805 E (X): = 469515  
Base Line Station and Offset: STATION: 1334+11 OFFSET: 43.8' RIGHT  
Description of Monument: FOUND 3/4" ALUMINUM ROD WITH ALUMINUM MANATEE COUNTY FL DISK STAMPED "NAVD 1988 2010 VERMONT".

Distance and Direction from Nearest Intersection: 0.2 MILES NORTH ALONG SR45 FROM THE CENTERLINE OF BOWLESS CREEK BRIDGE #130082.



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

PROJECT CONTROL (03)

SHEET NO.

8

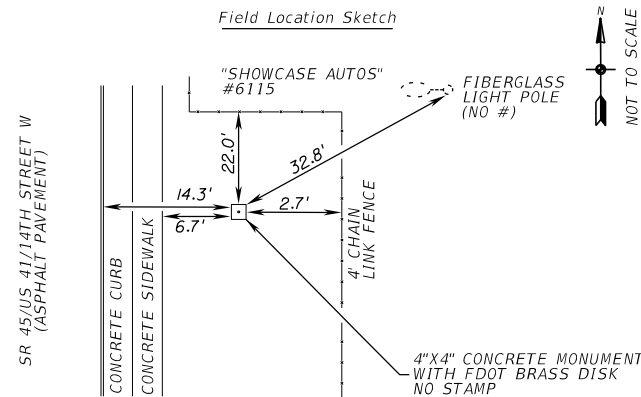
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1373 Elevation Feet: 16.490'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1126736 E (X) = 469558  
Base Line Station and Offset: STATION: 1373+42 OFFSET: 54.0' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 372' NORTH OF THE INTERSECTION OF BAYSHORE GARDENS PARKWAY AND SR45 (14TH ST W)



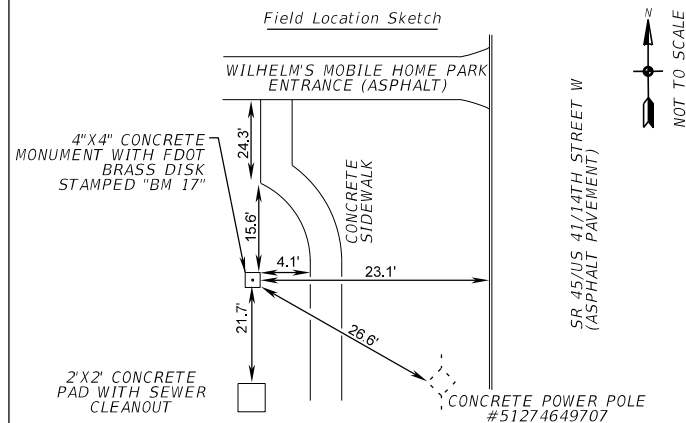
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 17 Elevation Feet: 18.941'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1125023 E (X) = 469427  
Base Line Station and Offset: STATION: 1356+29 OFFSET: 62.3' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "BM 17".

Distance and Direction from Nearest Intersection: 0.8 MILES NORTH ALONG SR45 FROM THE CENTERLINE OF BOWLESS CREEK BRIDGE #130082, 65' +/- SOUTH OF THE CENTERLINE OF 63RD STREET.



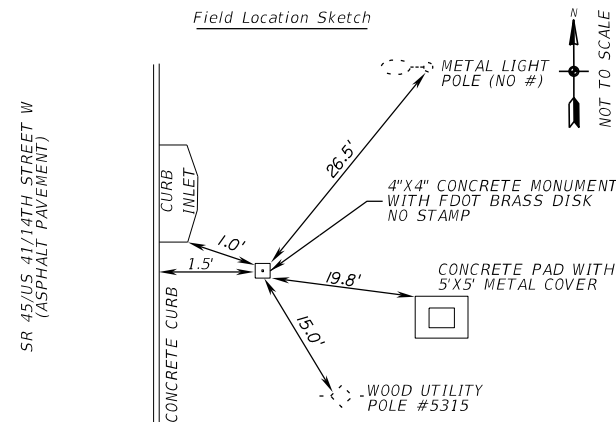
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1427 Elevation Feet: 17.029'  
State Road No.: SR45/US41 County: MANATEE  
Section: 14 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1132137 E (X) = 469588  
Base Line Station and Offset: STATION: 1427+43 OFFSET: 41.5' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 227' +/- SOUTH OF THE INTERSECTION OF SR45 (14TH ST W) AND SR70 (53RD AVE W).



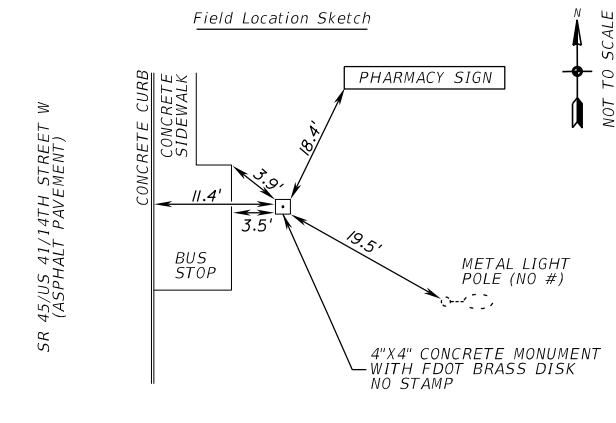
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1364 RESET Elevation Feet: 18.214'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1125836 E (X) = 469547  
Base Line Station and Offset: STATION: 1364+43 OFFSET: 51.1' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 165' +/- NORTH ALONG SR45. FROM THE INTERSECTION OF 63RD AVENUE W.



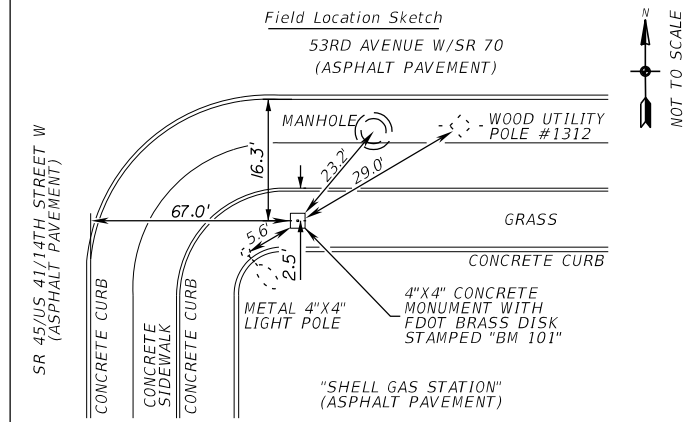
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 101 Elevation Feet: 17.123'  
State Road No.: SR45/US41 County: MANATEE  
Section: 14 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1132319 E (X) = 469655  
Base Line Station and Offset: STATION: 1429+26 OFFSET: 107.3' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "BM 101".

Distance and Direction from Nearest Intersection: LOCATED IN THE SOUTHEAST CORNER OF THE INTERSECTION OF SR45 (14TH ST W) AND SR70 (53RD AVE W).



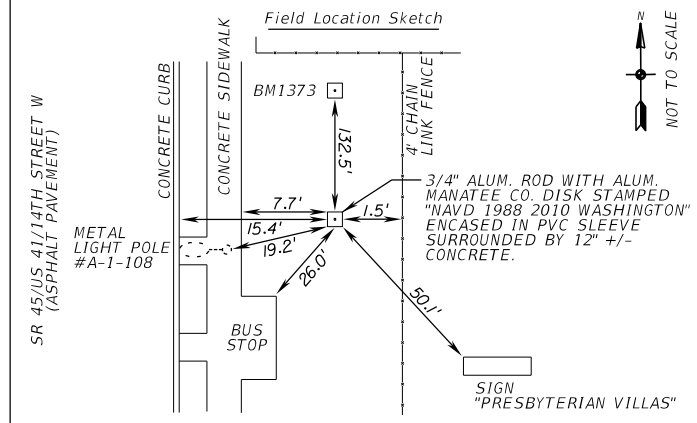
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: WASHINGTON Elevation Feet: 16.521'  
State Road No.: SR45/US41 County: MANATEE  
Section: 23 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/18/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1126604 E (X) = 469557  
Base Line Station and Offset: STATION: 1372+10 OFFSET: 55.0' RIGHT  
Description of Monument: FOUND 3/4" ALUMINUM ROD WITH ALUMINUM MANATEE COUNTY FL DISK STAMPED "NAVD 1988 2010 WASHINGTON".

Distance and Direction from Nearest Intersection: 240' NORTH OF THE INTERSECTION OF BAYSHORE GARDENS PARKWAY AND SR45 (14TH ST W)



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

PROJECT CONTROL (04)

SHEET NO.

9

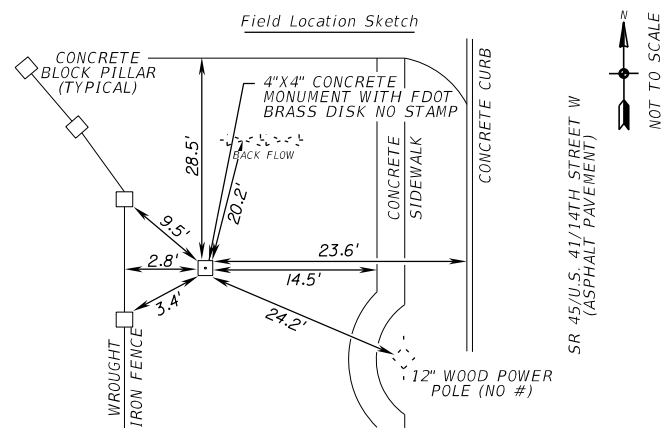
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1463 RESET Elevation Feet: 15.242'  
State Road No.: SR45/U.S.41 County: MANATEE  
Section: 11 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1135701 E (X) = 469513  
Base Line Station and Offset: STATION: 1463+05 OFFSET: 63.0' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 0.63 MILES NORTH OF THE INTERSECTION OF SR45 (14TH ST W) AND SR 70 (53RD AVE W).



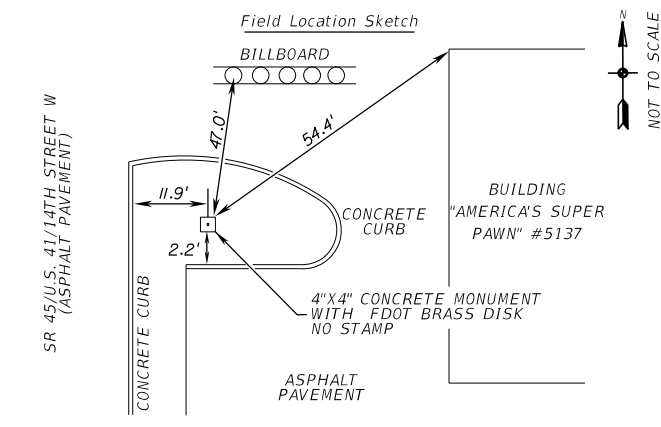
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1436 Elevation Feet: 17.213'  
State Road No.: SR45/U.S.41 County: MANATEE  
Section: 11 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1133018 E (X) = 469606  
Base Line Station and Offset: STATION: 1436+24 OFFSET: 52.0' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 0.12 MILES NORTH OF THE INTERSECTION OF SR45 (14TH STREET W) AND SR70 (53RD AVE W).



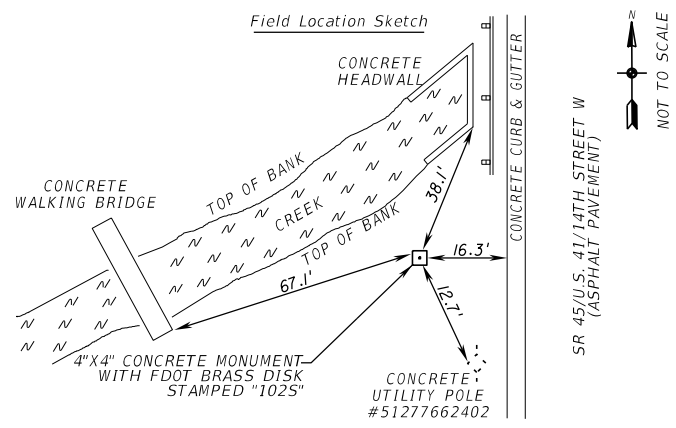
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 102S Elevation Feet: 15.456'  
State Road No.: SR45/U.S.41 County: MANATEE  
Section: 11 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1136406 E (X) = 469526  
Base Line Station and Offset: STATION: 1470+09 OFFSET: 55.8' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK STAMPED "102S".

Distance and Direction from Nearest Intersection: 0.77 MILES NORTH OF THE INTERSECTION OF SR45 (14TH ST W) AND SR70 (53RD AVE W).



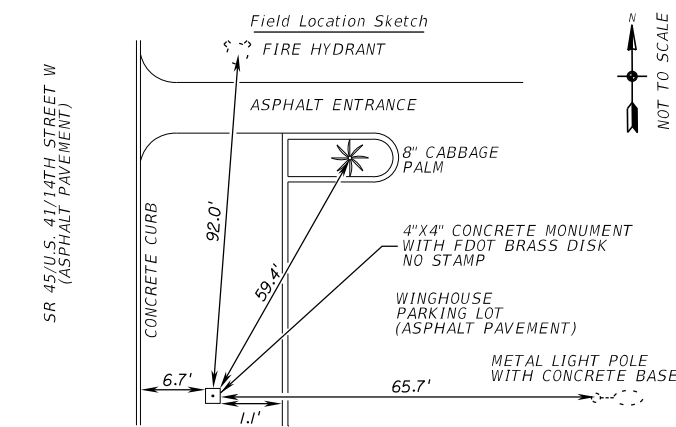
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1445 Elevation Feet: 16.463'  
State Road No.: SR45/U.S.41 County: MANATEE  
Section: 11 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1133914 E (X) = 469607  
Base Line Station and Offset: STATION: 1445+20 OFFSET: 46.3' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 0.29 MILES NORTH OF THE INTERSECTION OF SR45 (14TH ST W) AND SR 70 (53RD AVE W).



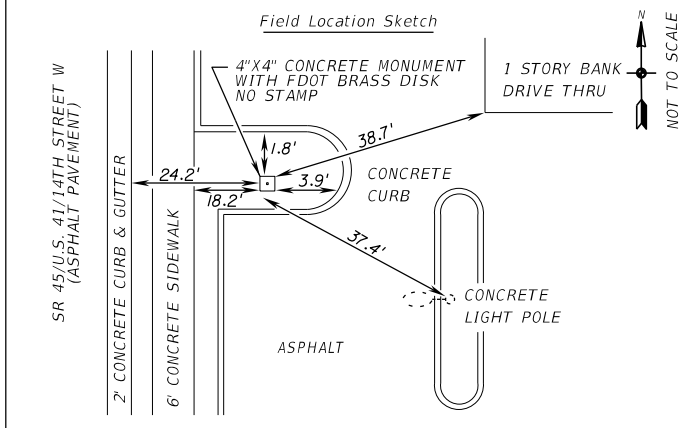
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1472 Elevation Feet: 17.480'  
State Road No.: SR45/U.S.41 County: MANATEE  
Section: 11 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1136633 E (X) = 469649  
Base Line Station and Offset: STATION: 1472+37 OFFSET: 65.6' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 0.81 MILES NORTH OF THE INTERSECTION OF SR45 (14TH ST W) AND SR70 (53RD AVE W).



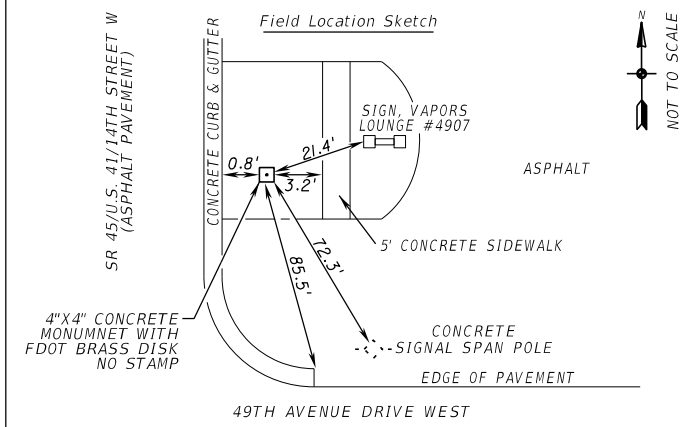
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1454 Elevation Feet: 16.693'  
State Road No.: SR45/U.S.41 County: MANATEE  
Section: 11 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y) = 1134808 E (X) = 469609  
Base Line Station and Offset: STATION: 1454+15 OFFSET: 40.3' RIGHT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 0.46 MILES NORTH OF THE INTERSECTION OF SR45 (14TH ST W) AND SR70 (53RD AVE W).



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

PROJECT CONTROL (05)

SHEET NO.  
10



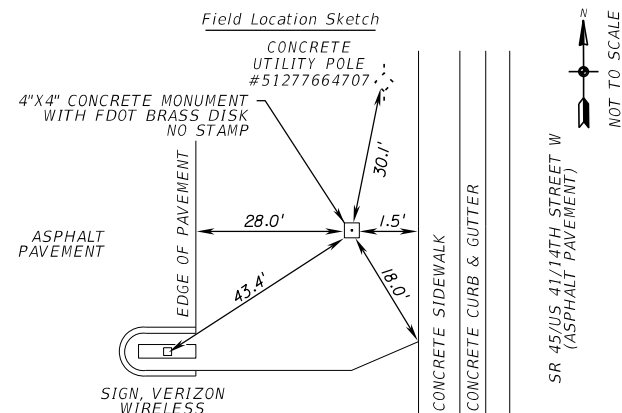
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 1480 Elevation Feet: 17.713'  
State Road No.: SR45/US41 County: MANATEE  
Section: 11 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1137489 E (X): = 469543  
Base Line Station and Offset: STATION: 1480+92 OFFSET: 47.5' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH FDOT BRASS DISK. NO STAMP.

Distance and Direction from Nearest Intersection: 200' +/- SOUTH OF THE INTERSECTION OF SR45 (14TH ST W) AND SR684 CORTEZ ROAD.



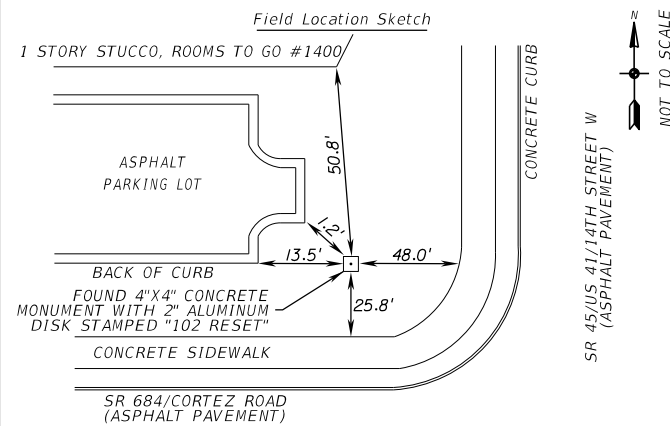
Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929  
NAVD 1988 X

Monument Name or Designation: BM 102 RESET Elevation Feet: 18.417'  
State Road No.: SR45/US41 County: MANATEE  
Section: 02 Township: 35 S Range: 17 E Roadway Section I.D.: 13010-000  
Establishing Firm: ELEMENT ENGINEERING GROUP Field Book No.: 503419  
Established: \_\_\_\_\_ Recovered: 04/19/16 Financial Project ID: 433592-1

State Plane Coordinates:  
(Nearest Foot) N (Y): = 1137774 E (X): = 469487  
Base Line Station and Offset: STATION: 1483+77 OFFSET: 106.0' LEFT  
Description of Monument: FOUND 4"X4" CONCRETE MONUMENT WITH 2" ALUMINUM DISK WILSON MILLER LB043 STAMPED "102 RESET"

Distance and Direction from Nearest Intersection: NORTHWEST CORNER OF THE INTERSECTION OF SR45 (14TH ST W) AND SR684 CORTEZ RD.



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

PROJECT CONTROL (06)

SHEET NO.

11

GENERAL NOTES

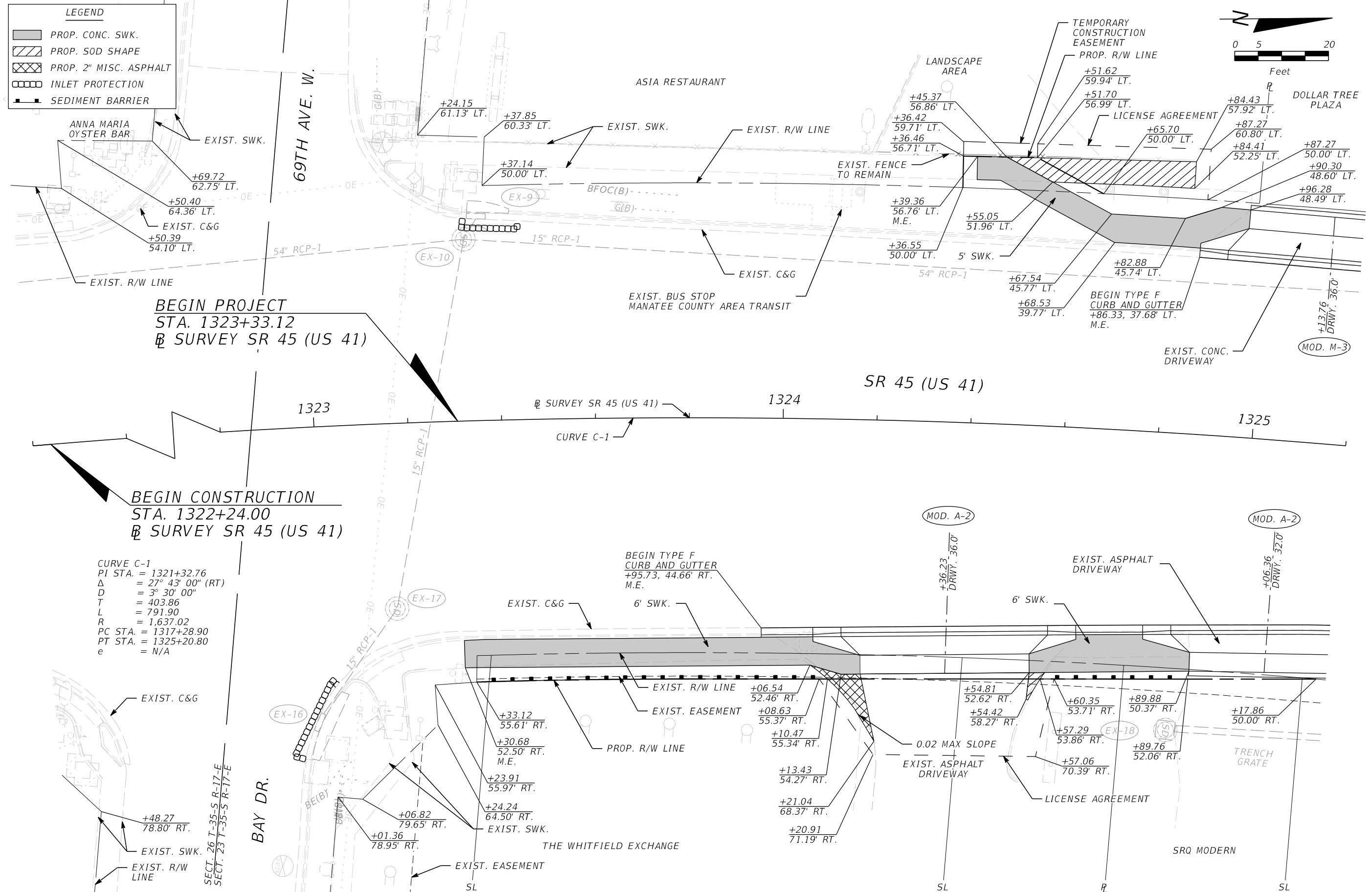
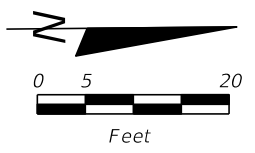
1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORT DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:  
  
 PETER J. MATTSON, P.S.M.  
 P.S.M. NO: 6290  
 ELEMENT ENGINEERING GROUP  
 1713 E. 9TH AVE., YBOR CITY, TAMPA, FL 33605  
 CERTIFICATE OF AUTHORIZATION: LB7831
3. COORDINATE WITH MANATEE COUNTY AREA TRANSIT (MCAT) 72 HOURS PRIOR TO ANY OPERATIONS THAT MAY AFFECT BUS STOP SERVICE WITHIN THE CONSTRUCTION LIMITS. AMERICANS WITH DISABILITIES ACT (ADA) ACCOMMODATIONS MAY BE NECESSARY FOR BUS SERVICE DURING CONSTRUCTION OPERATIONS. CONTACT MS. CARTER THOMPSON OR REPRESENTATIVE AT MCAT AT (941) 747-8627 EXT. 7622 FOR FURTHER INFORMATION.
4. PROPOSED SOD SHAPES ARE SHOWN ONLY FOR NON-TYPICAL SODDING LOCATIONS DUE TO THE REMOVAL OF EXISTING CONCRETE/ASPHALT FOR REGRADING PURPOSES. ALL OTHER AREAS FOLLOW TYP. SECTION.
5. ALL DRIVEWAY TIE-IN LOCATIONS ARE CONSTRUCTED WITH 6 INCH CONCRETE.
6. COORDINATE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS (NPDES) DEWATERING ACTIVITIES THROUGH THE MANATEE COUNTY PROJECT ENGINEER TO ENSURE COMPLIANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND WATER MANAGEMENT DISTRICT. NOTIFY THE FDOT ENVIRONMENTAL MANAGEMENT OFFICE AT (863) 519-2375 PRIOR TO INITIATING NPDES DEWATERING. SEE THE RELATED LEVEL-II IMPACT TO CONSTRUCTION REPORT PRESENTED.
7. THERE ARE CONTAMINATION IMPACTS ASSOCIATED WITH THE PROJECT LIMITS. PLEASE REFER TO THE PLAN CONTAMINATION MARKINGS AND REFERENCE THE RELATED LEVEL-II IMPACT TO CONSTRUCTION REPORT PRESENTED FOR THE GOES-WITH PROJECTS. NOTIFY THE FDOT DISTRICT CONTAMINATION IMPACT COORDINATOR AT (863) 519-2375 PRIOR TO DISPOSAL OF MEDIA COLLECTED FROM THE FDOT RIGHT-OF-WAY.
8. CONTRACTOR SHALL VERIFY BOX SIZE AND ELEVATION BEFORE ORDERING ANY DRAINAGE SLABS.
9. EXISTING INLETS ARE TO REMAIN UNLESS SPECIFIED OTHERWISE WITHIN THE PLANS.

LEGEND

- PL = PROPERTY LINE  
 SL = SUBDIVISION LINE  
 M.E. = MATCH EXISTING

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		12
						SR 45	MANATEE		433592-4-58-01

LEGEND	
	PROP. CONC. SWK.
	PROP. SOD SHAPE
	PROP. 2" MISC. ASPHALT
	INLET PROTECTION
	SEDIMENT BARRIER



**BEGIN PROJECT**  
 STA. 1323+33.12  
 @ SURVEY SR 45 (US 41)

**BEGIN CONSTRUCTION**  
 STA. 1322+24.00  
 @ SURVEY SR 45 (US 41)

**CURVE C-1**  
 PI STA. = 1321+32.76  
 $\Delta$  = 27° 43' 00" (RT)  
 D = 3° 30' 00"  
 T = 403.86  
 L = 791.90  
 R = 1,637.02  
 PC STA. = 1317+28.90  
 PT STA. = 1325+20.80  
 e = N/A

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324





MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

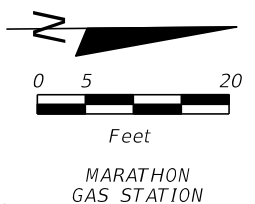
**ROADWAY PLANS (01)**

SHEET NO. 13

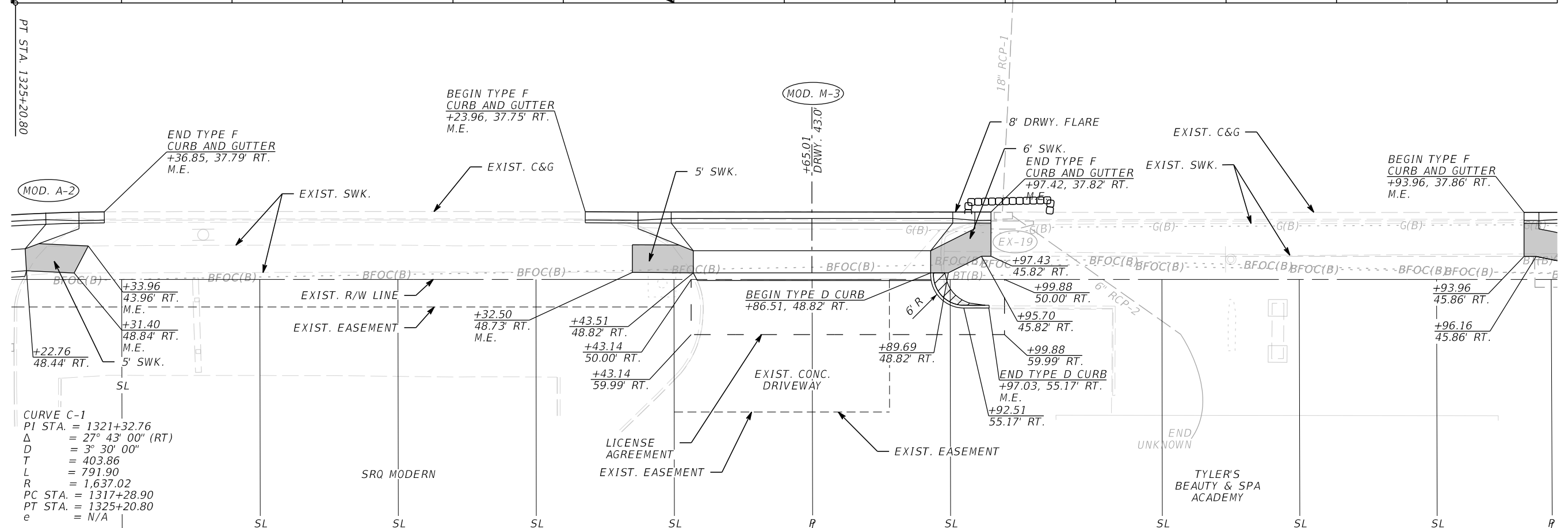
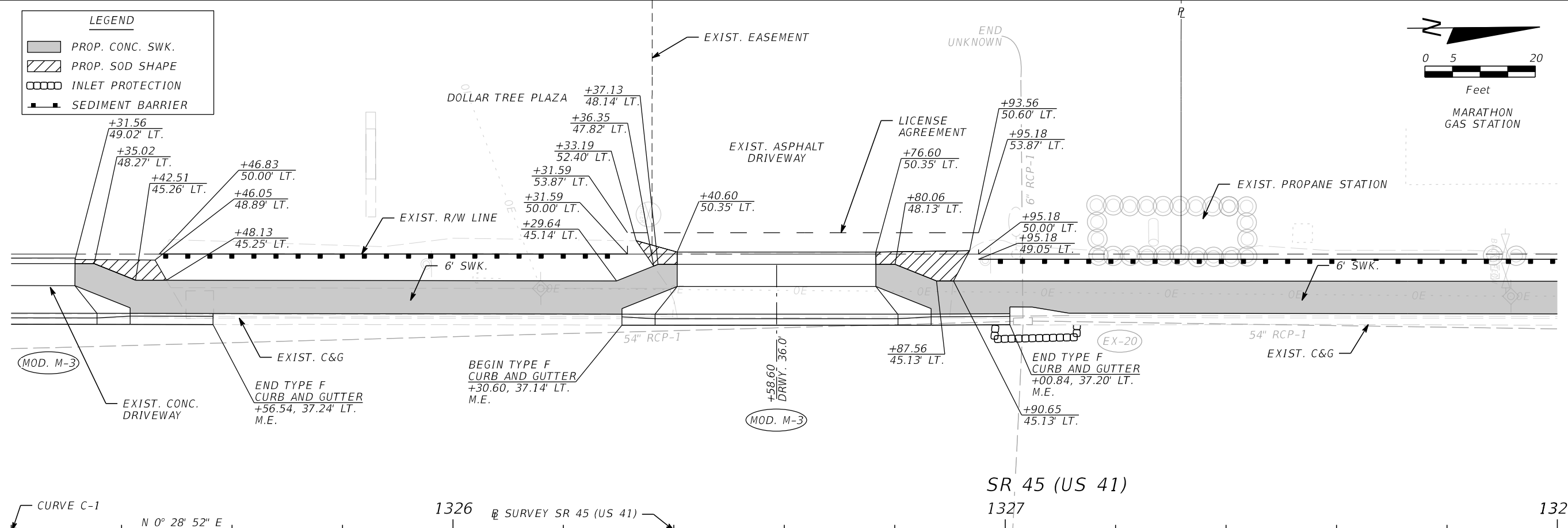
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**LEGEND**

-  PROP. CONC. SWK.
-  PROP. SOD SHAPE
-  INLET PROTECTION
-  SEDIMENT BARRIER



0 5 20  
Feet  
MARATHON  
GAS STATION



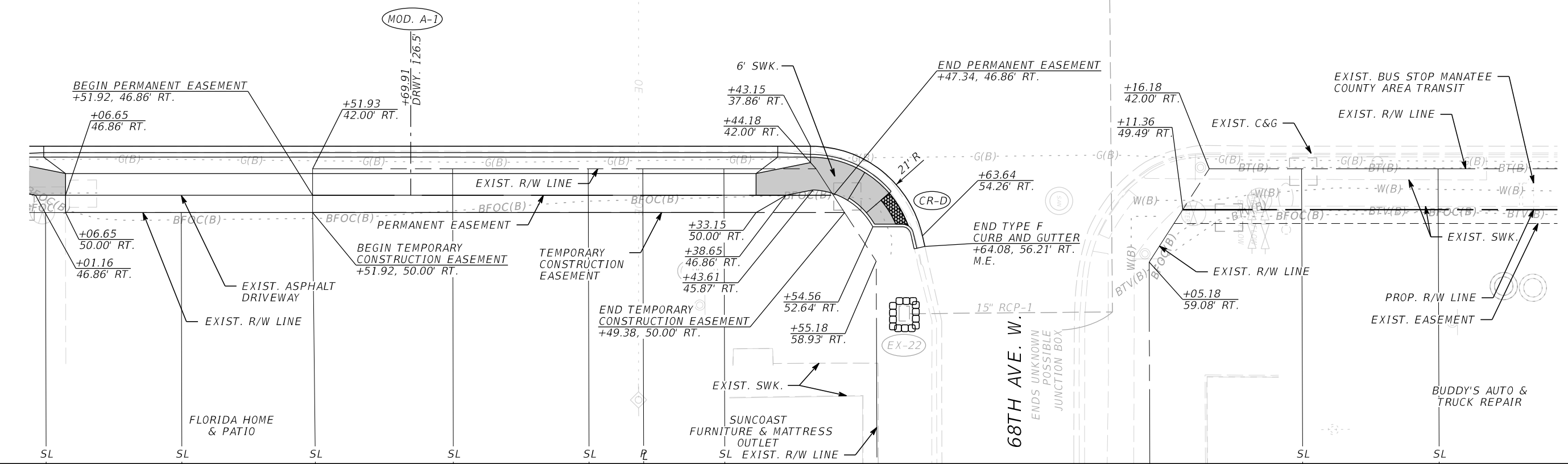
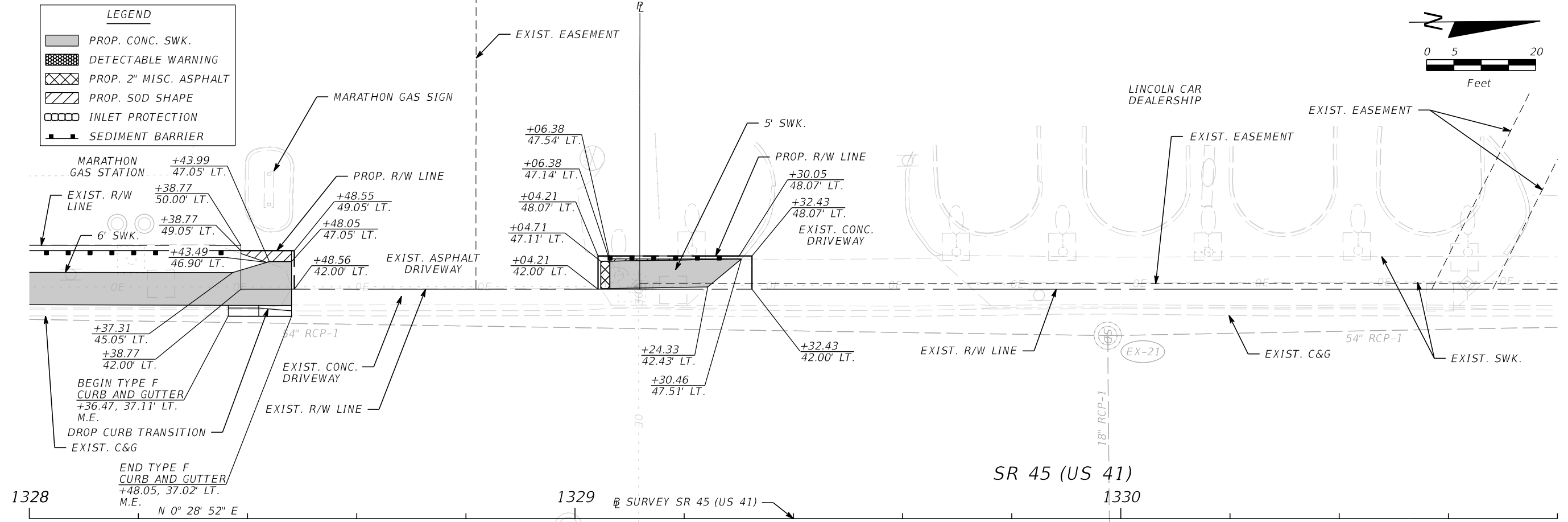
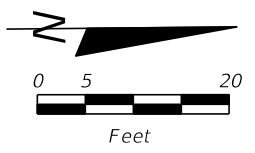
**CURVE C-1**  
 PI STA. = 1321+32.76  
 $\Delta$  = 27° 43' 00" (RT)  
 D = 3° 30' 00"  
 T = 403.86  
 L = 791.90  
 R = 1,637.02  
 PC STA. = 1317+28.90  
 PT STA. = 1325+20.80  
 e = N/A

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>ROADWAY PLANS (02)</b>	SHEET NO.  14
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	MANATEE	433592-4-58-01			

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**LEGEND**

- PROP. CONC. SWK.
- DETECTABLE WARNING
- PROP. 2" MISC. ASPHALT
- PROP. SOD SHAPE
- INLET PROTECTION
- SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

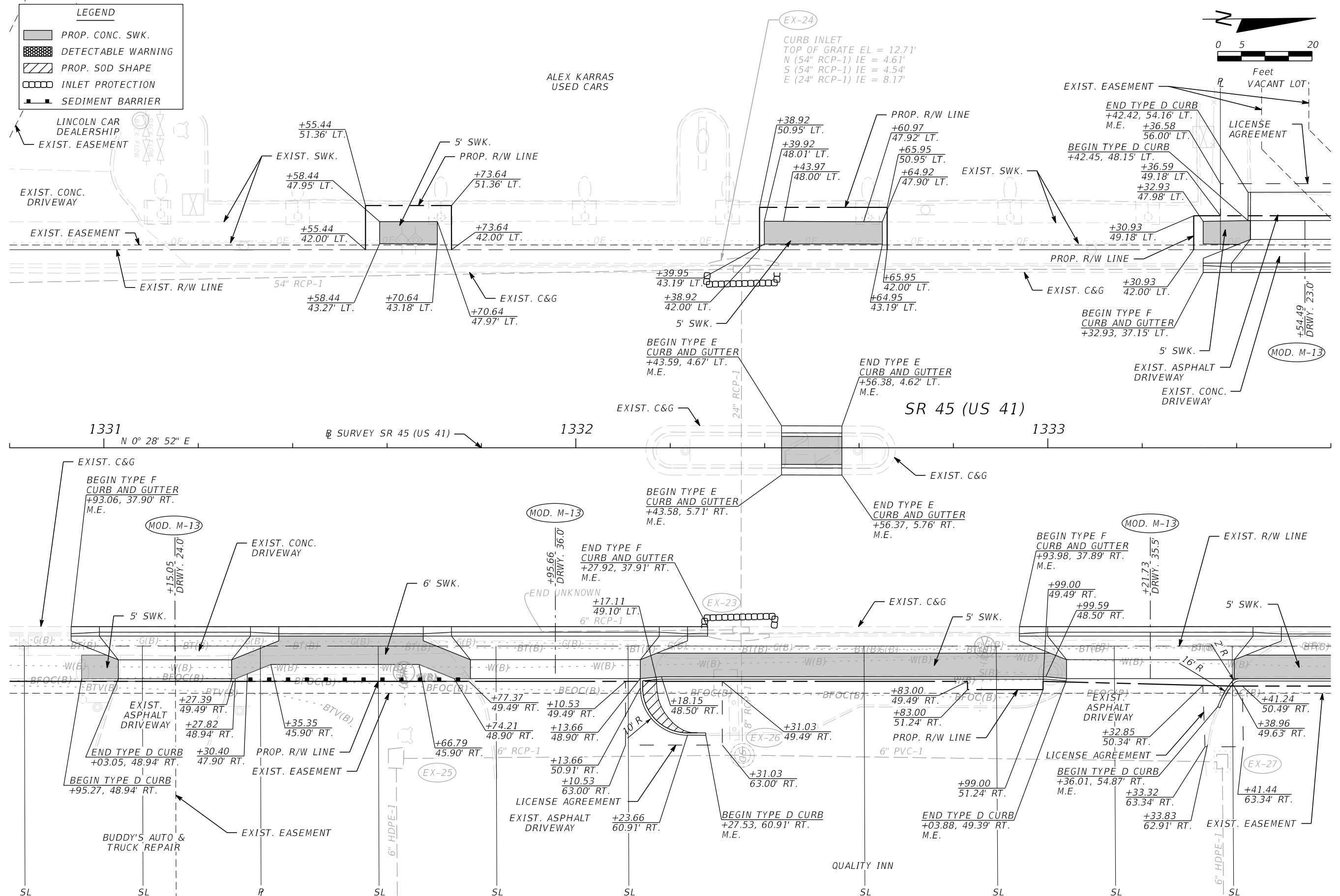
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**ROADWAY PLANS (03)**

SHEET NO.  
**15**

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LEGEND	
	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE
	INLET PROTECTION
	SEDIMENT BARRIER

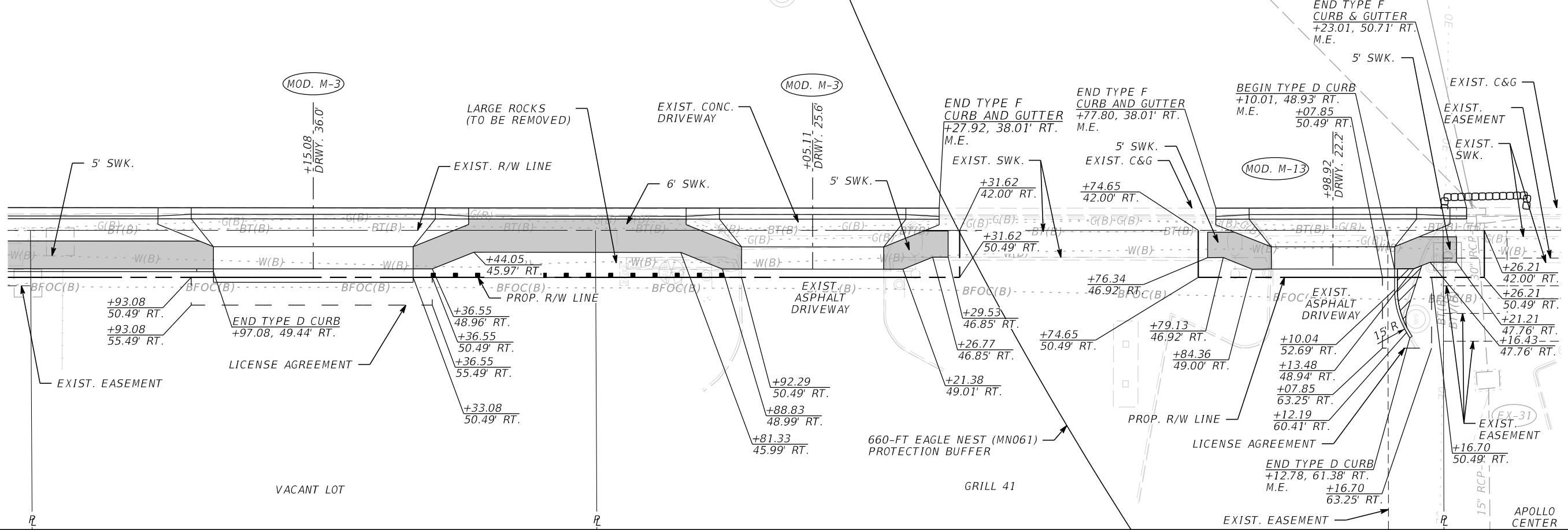
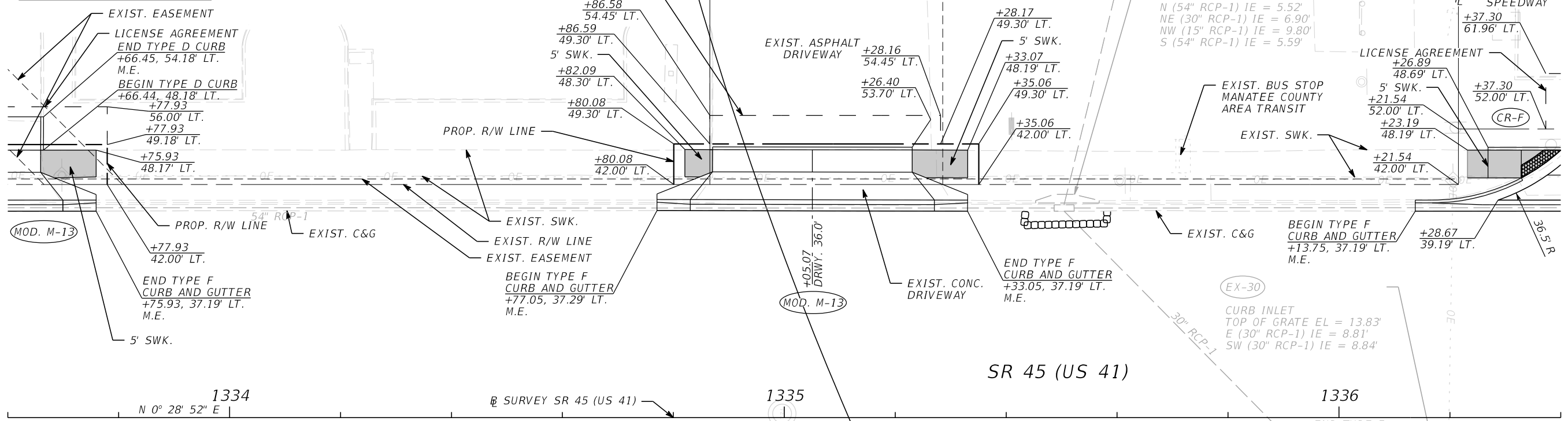
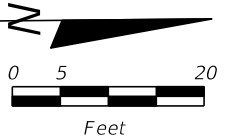


REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			ROADWAY PLANS (04)	SHEET NO.  16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

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**LEGEND**

[Hatched Box]	PROP. CONC. SWK.
[Cross-hatched Box]	DETECTABLE WARNING
[Dashed Box]	INLET PROTECTION
[Solid Box]	SEDIMENT BARRIER



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

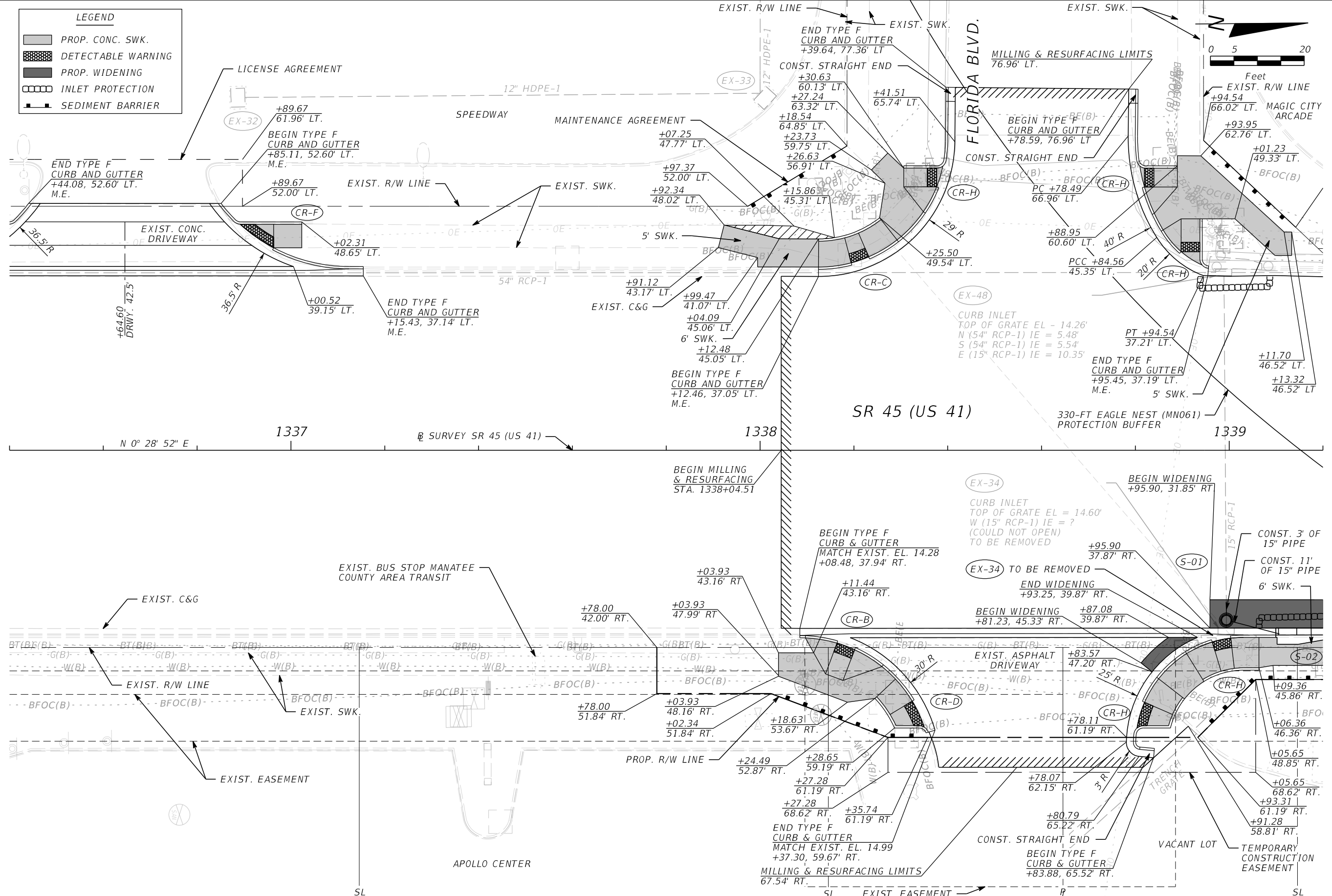
**ROADWAY PLANS (05)**

SHEET NO. 17

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**LEGEND**

- PROP. CONC. SWK.
- DETECTABLE WARNING
- PROP. WIDENING
- INLET PROTECTION
- SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**ROADWAY PLANS (06)**

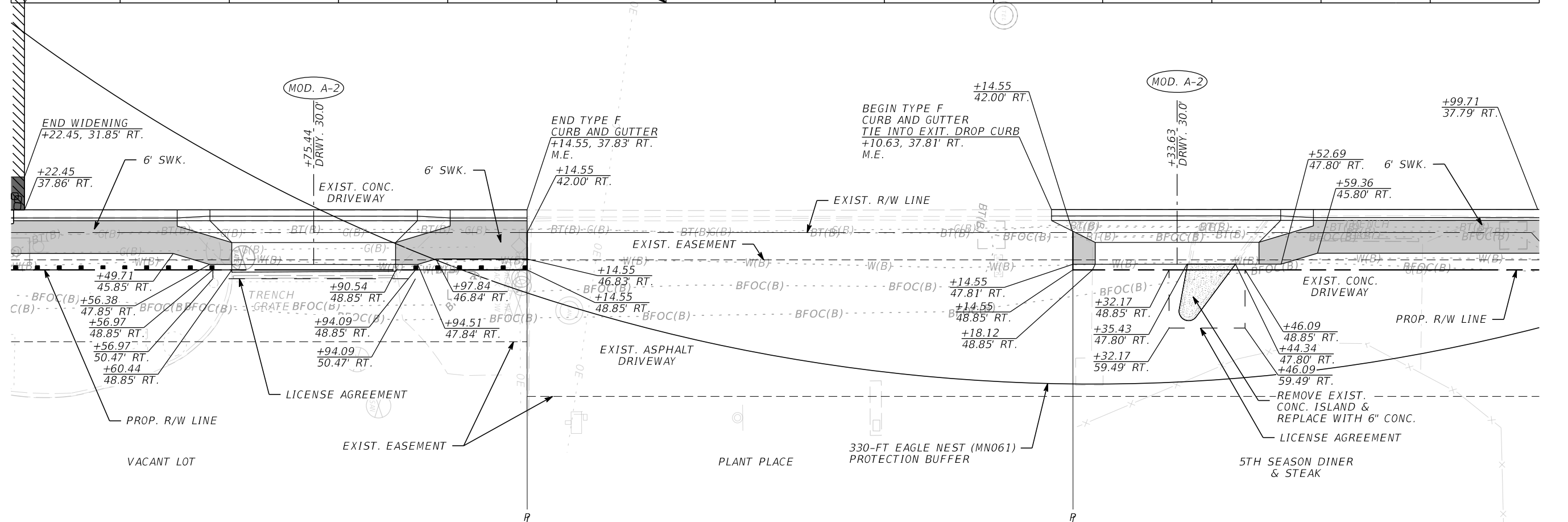
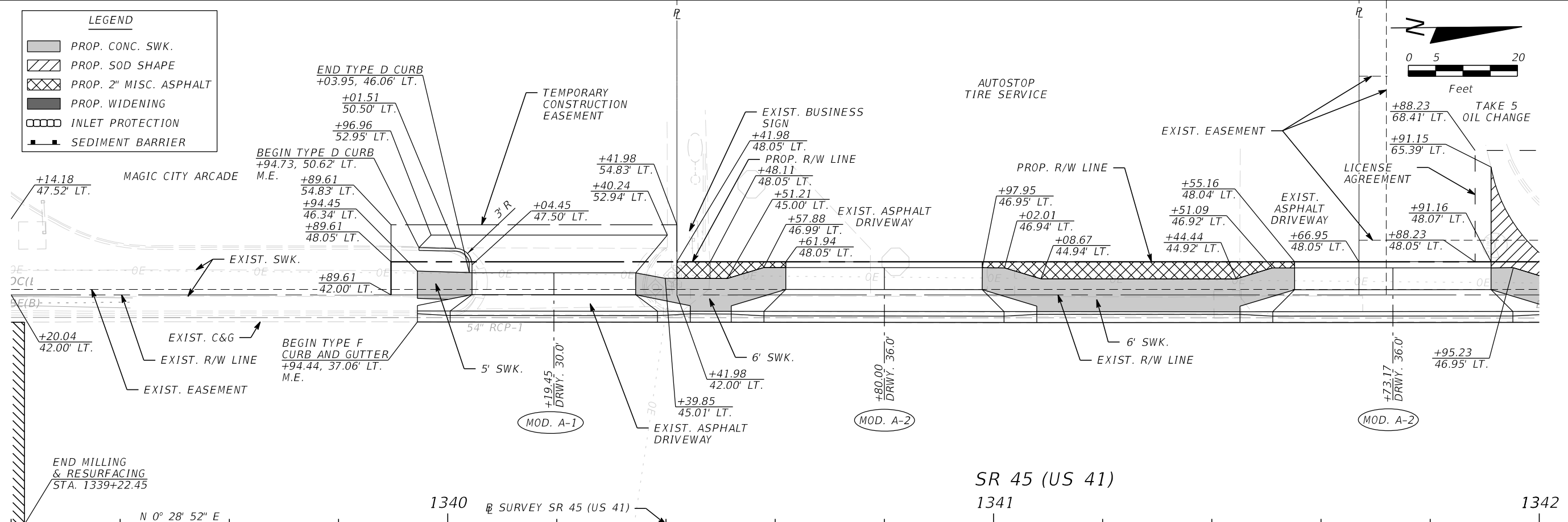
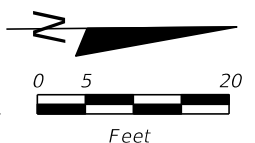
SHEET NO.  
**18**

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**LEGEND**

- PROP. CONC. SWK.
- PROP. SOD SHAPE
- PROP. 2" MISC. ASPHALT
- PROP. WIDENING
- INLET PROTECTION
- SEDIMENT BARRIER



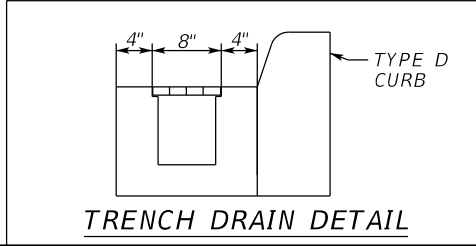
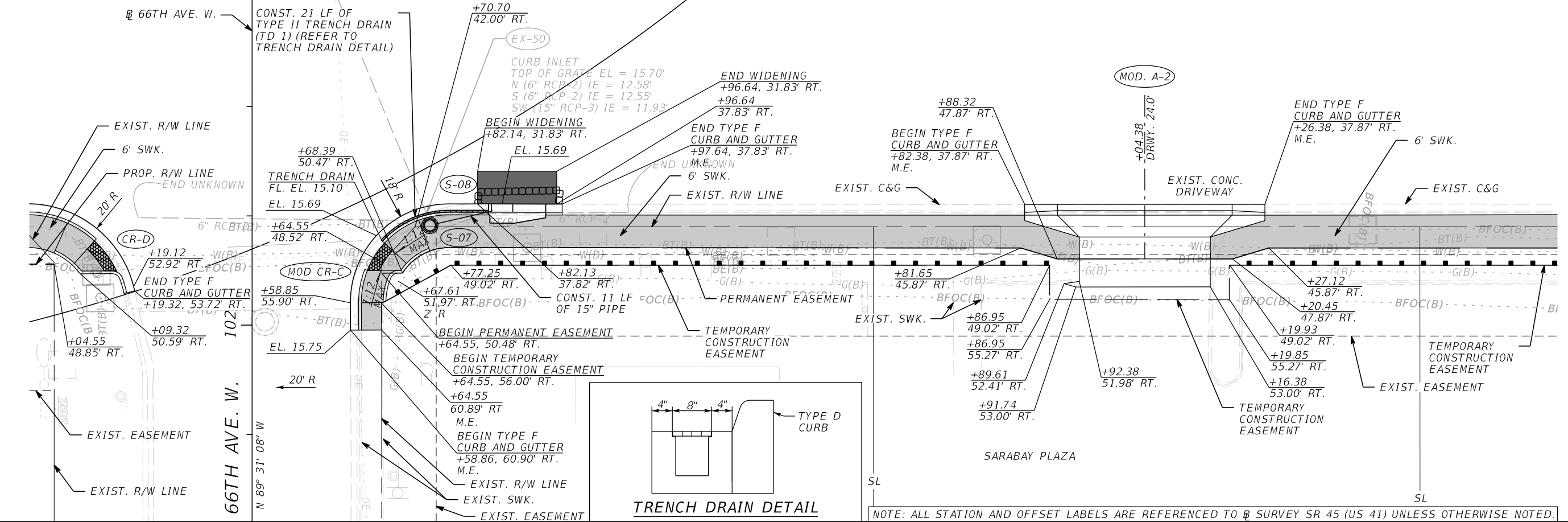
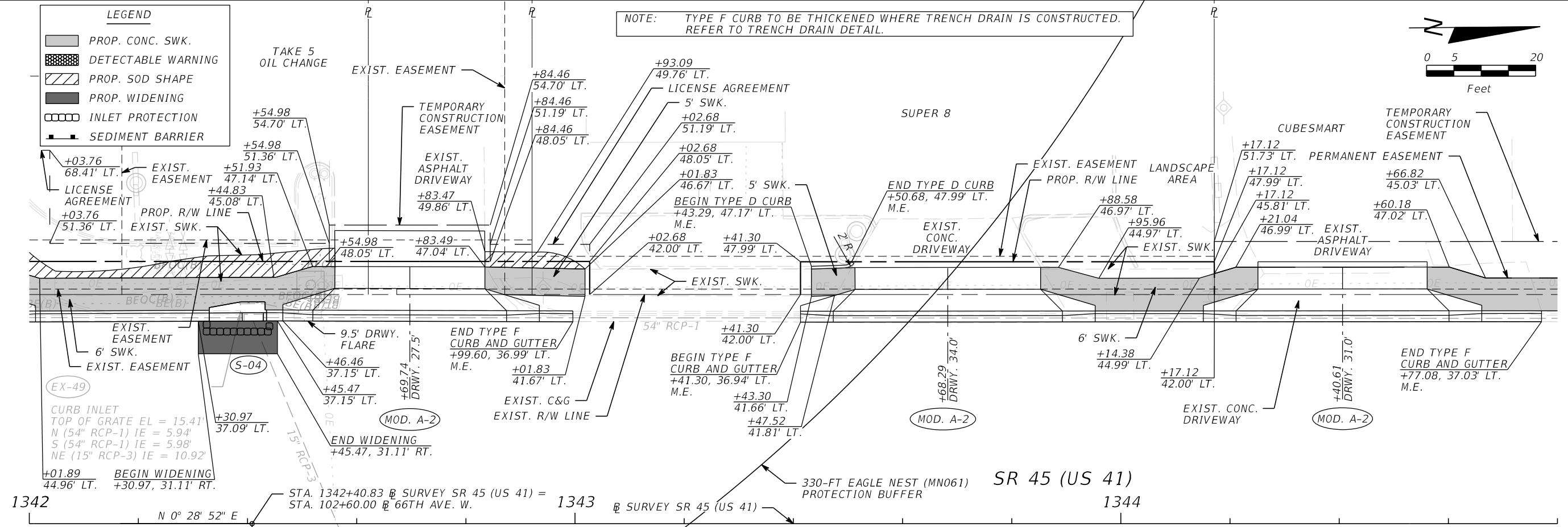
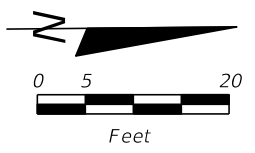
REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>ROADWAY PLANS (07)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		19
					SR 45	MANATEE	433592-4-58-01		

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**LEGEND**

[Hatched Box]	PROP. CONC. SWK.
[Dotted Box]	DETECTABLE WARNING
[Diagonal Lines]	PROP. SOD SHAPE
[Solid Grey Box]	PROP. WIDENING
[Circle with X]	INLET PROTECTION
[Dashed Line]	SEDIMENT BARRIER

NOTE: TYPE F CURB TO BE THICKENED WHERE TRENCH DRAIN IS CONSTRUCTED. REFER TO TRENCH DRAIN DETAIL.



NOTE: ALL STATION AND OFFSET LABELS ARE REFERENCED TO @ SURVEY SR 45 (US 41) UNLESS OTHERWISE NOTED.

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

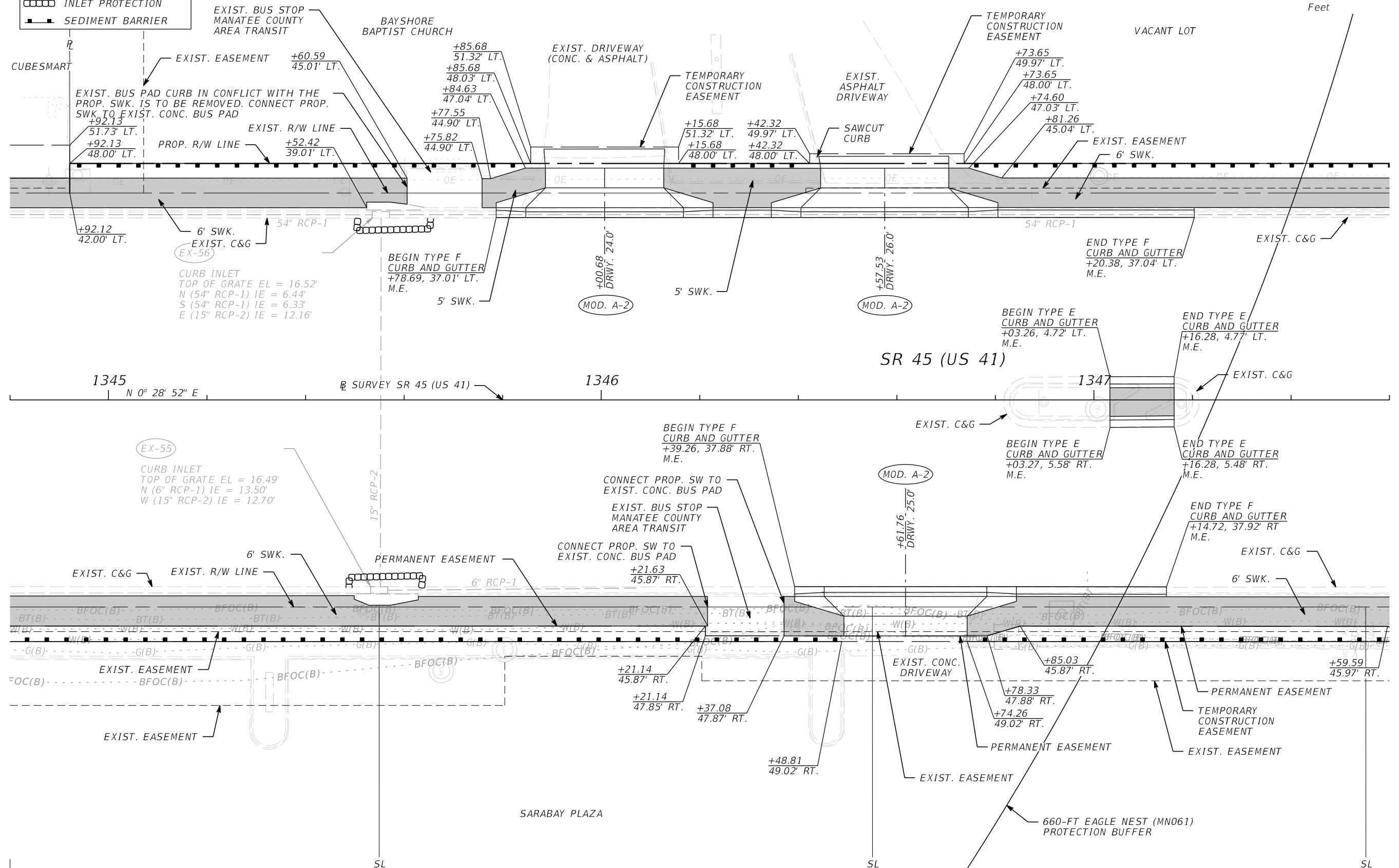
**ROADWAY PLANS (08)**

SHEET NO. 20

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**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	INLET PROTECTION
	SEDIMENT BARRIER



1345  
N 0° 28' 52" E

SURVEY SR 45 (US 41)

1346

SR 45 (US 41)

1347

EX-55  
CURB INLET  
TOP OF GRATE EL = 16.49'  
N (6" RCP-1) IE = 13.50'  
W (15" RCP-2) IE = 12.70'

EXIST. EASEMENT

CONNECT PROP. SW TO  
EXIST. CONC. BUS PAD  
+21.63  
45.87' RT.

BEGIN TYPE F  
CURB AND GUTTER  
+39.26, 37.88' RT.  
M.E.

MOD. A-2

BEGIN TYPE E  
CURB AND GUTTER  
+03.27, 5.58' RT.  
M.E.

END TYPE F  
CURB AND GUTTER  
+14.72, 37.92' RT.  
M.E.

SARABAY PLAZA

660-FT EAGLE NEST (MN061)  
PROTECTION BUFFER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

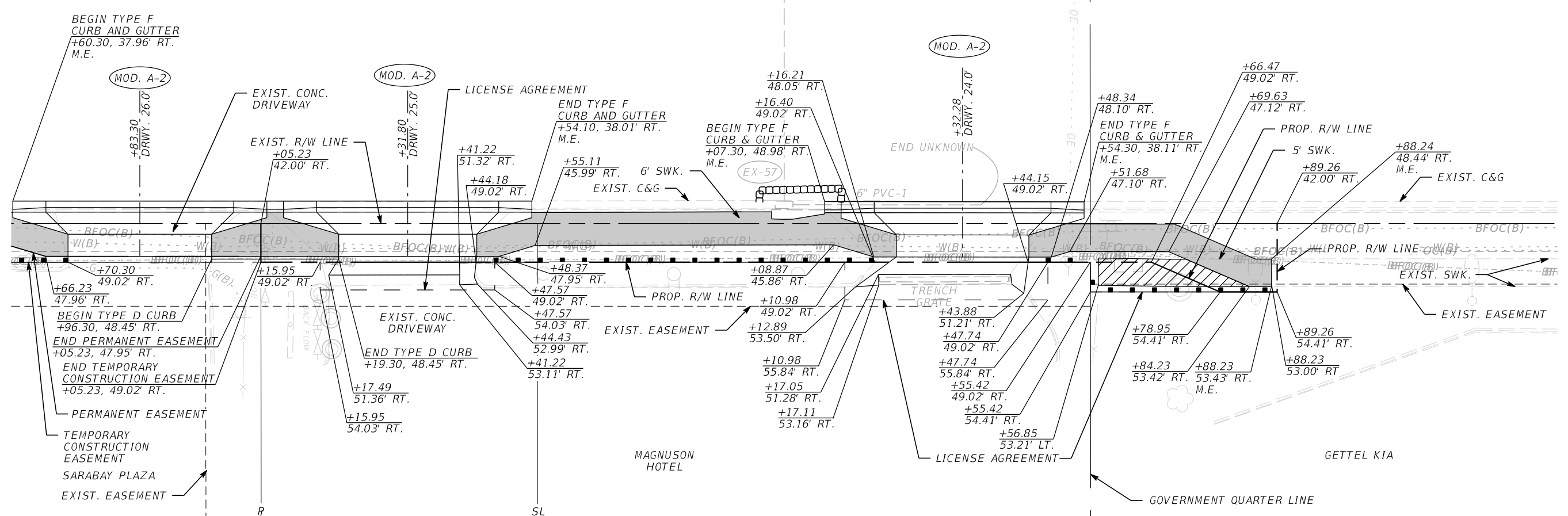
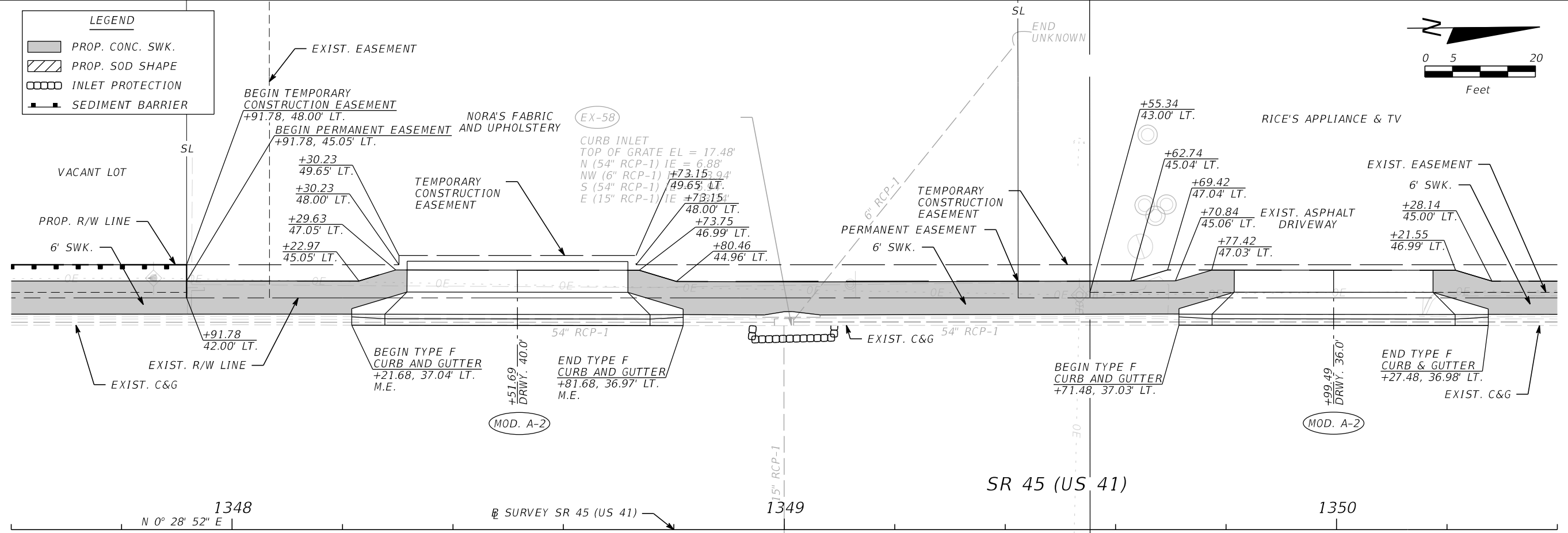
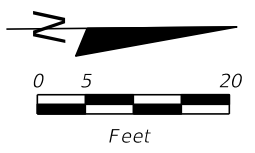
**ROADWAY PLANS (09)**

SHEET NO.  
21

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**LEGEND**

- PROP. CONC. SWK.
- PROP. SOD SHAPE
- INLET PROTECTION
- SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

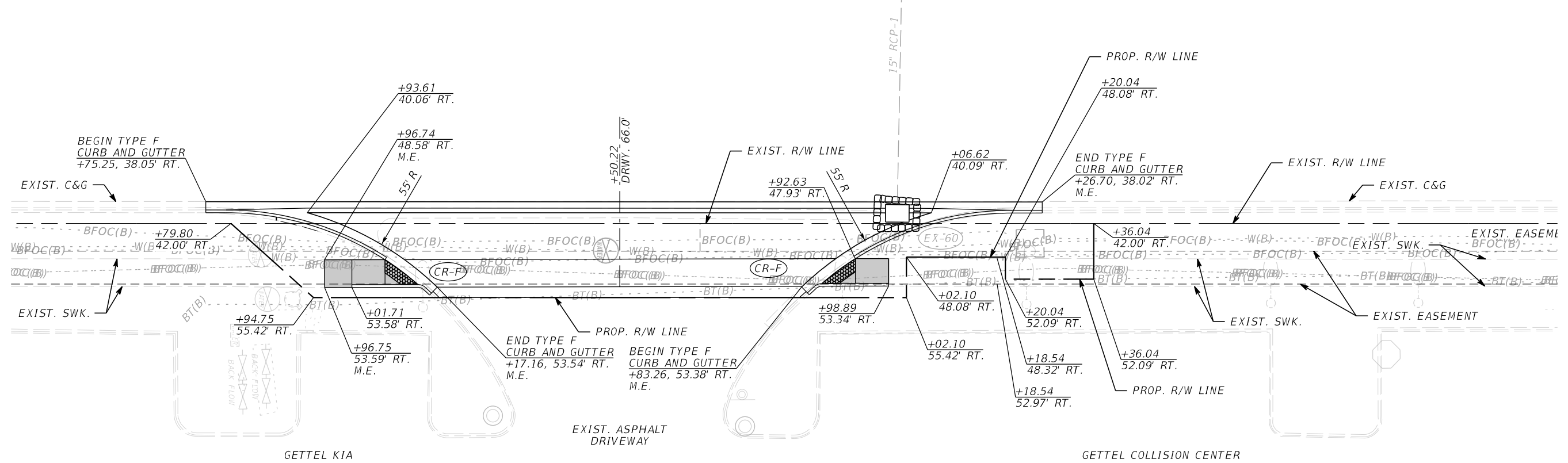
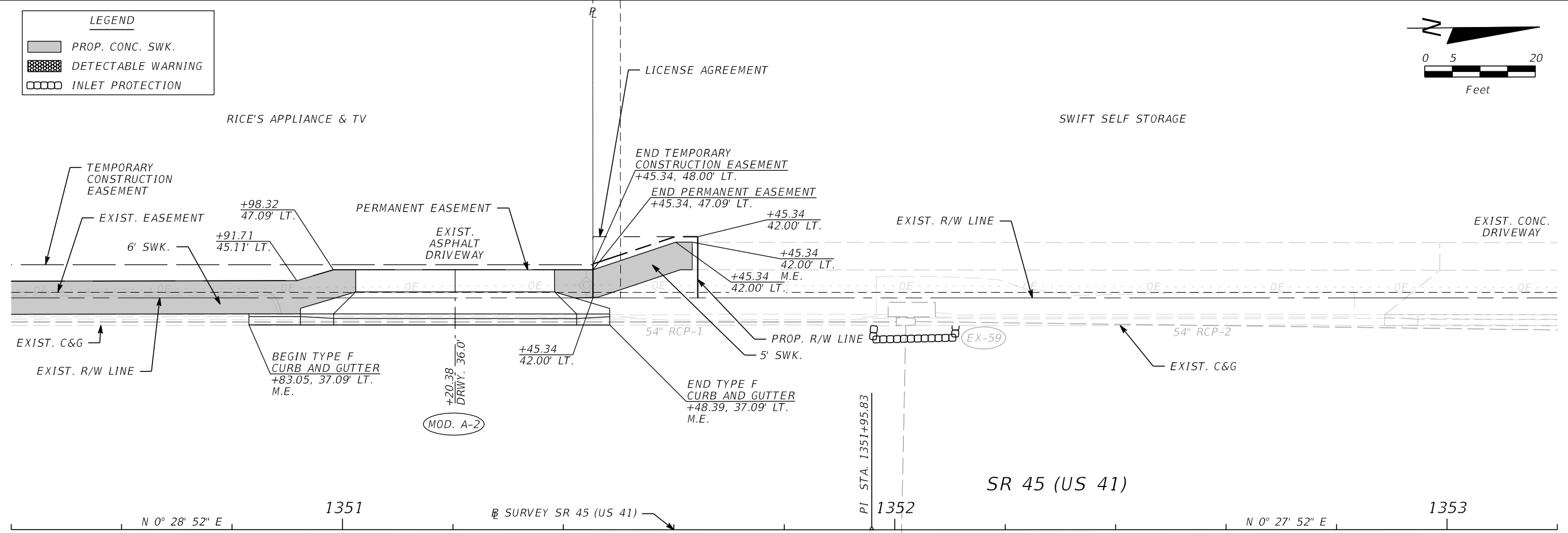
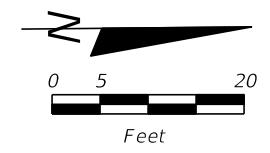
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**ROADWAY PLANS (10)**

SHEET NO.  
22

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LEGEND	
	PROP. CONC. SWK.
	DETECTABLE WARNING
	INLET PROTECTION

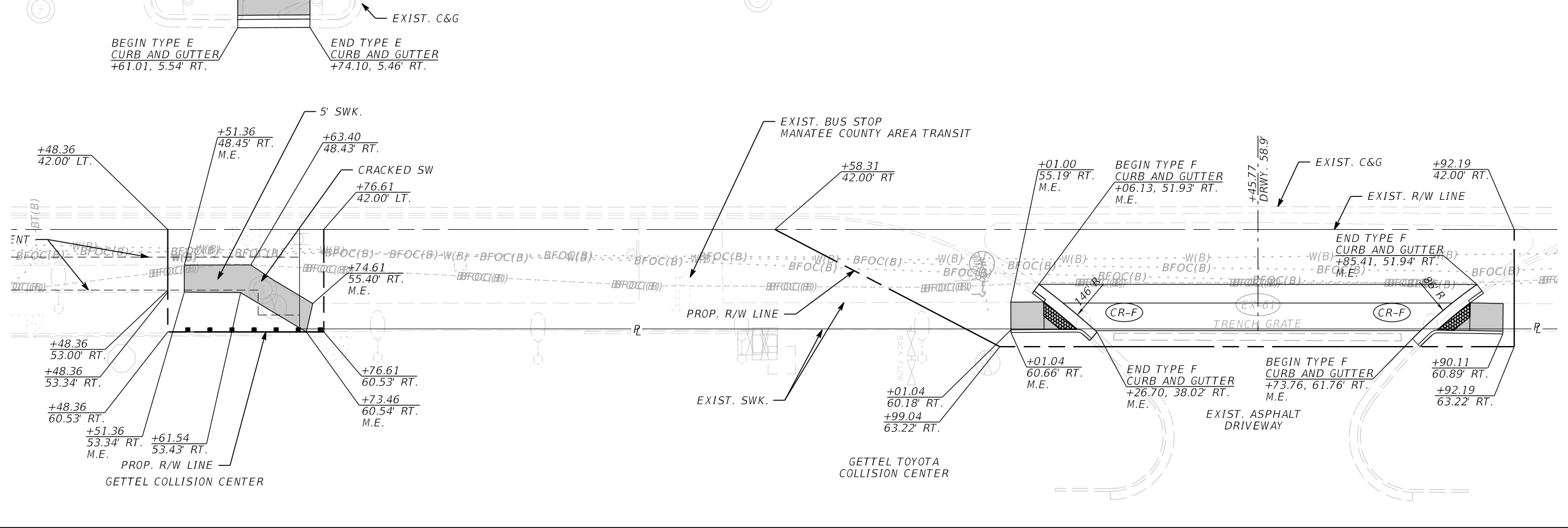
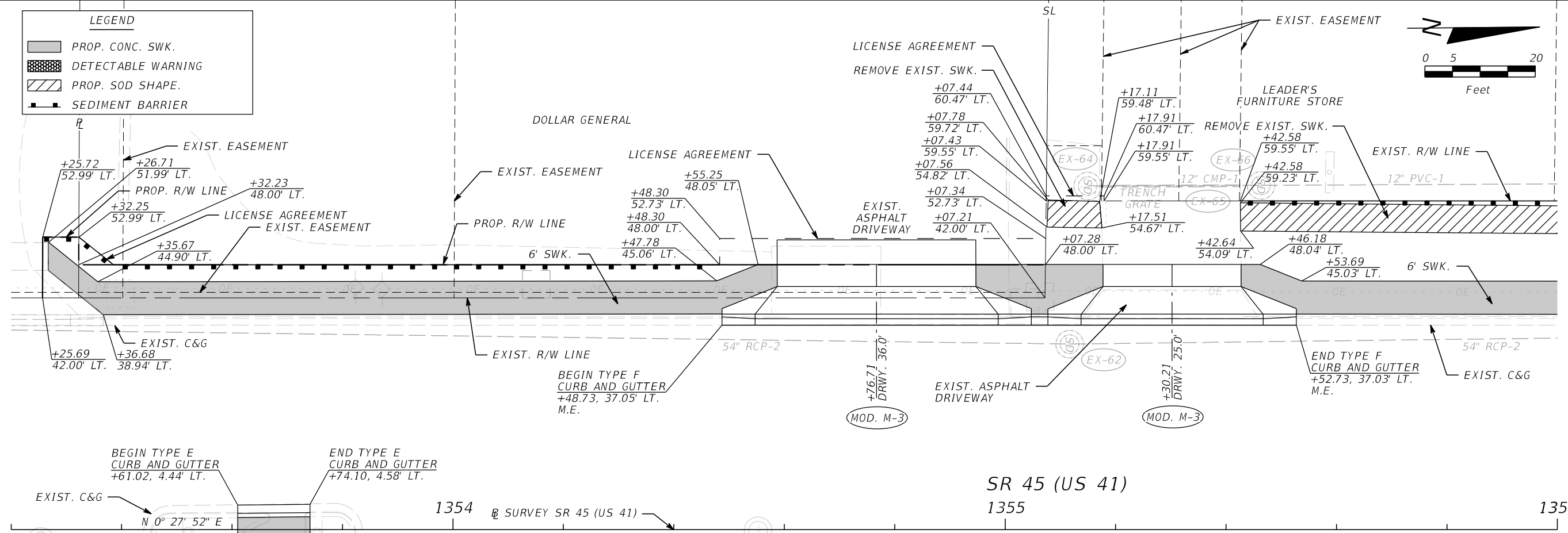
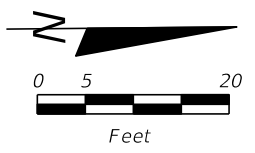


REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	<b>ROADWAY PLANS (11)</b>	

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

**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE.
	SEDIMENT BARRIER

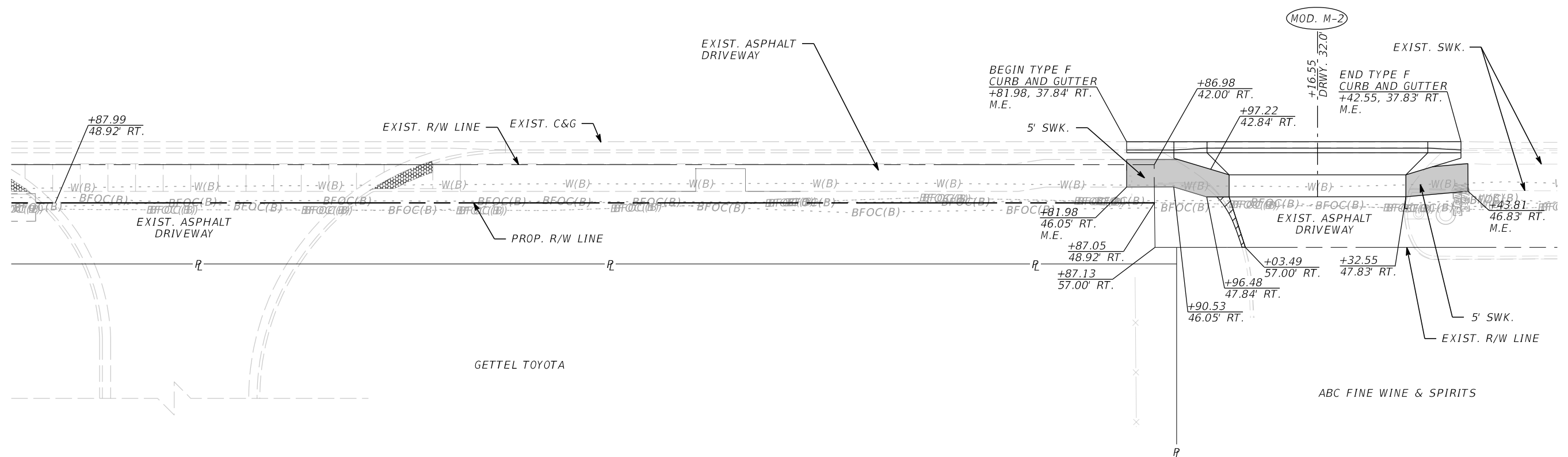
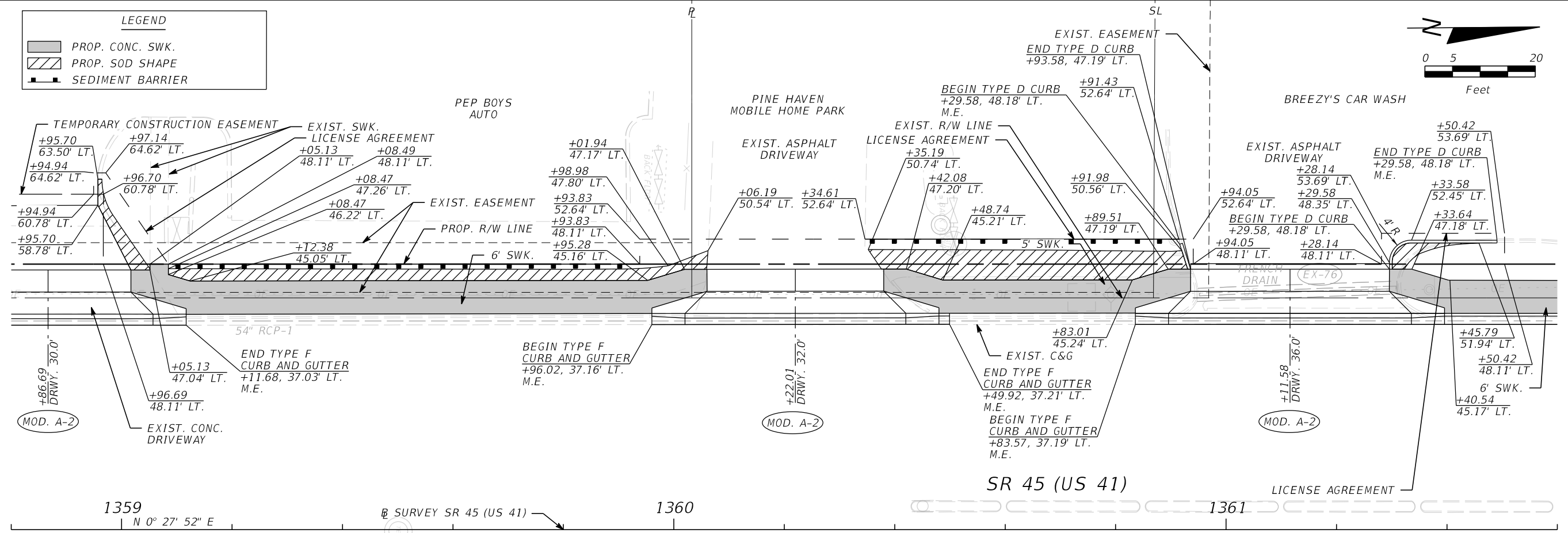
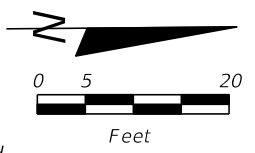


REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>ROADWAY PLANS (12)</b>	SHEET NO.  24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	MANATEE	433592-4-58-01			

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LEGEND	
	PROP. CONC. SWK.
	PROP. SOD SHAPE
	SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**ROADWAY PLANS (14)**

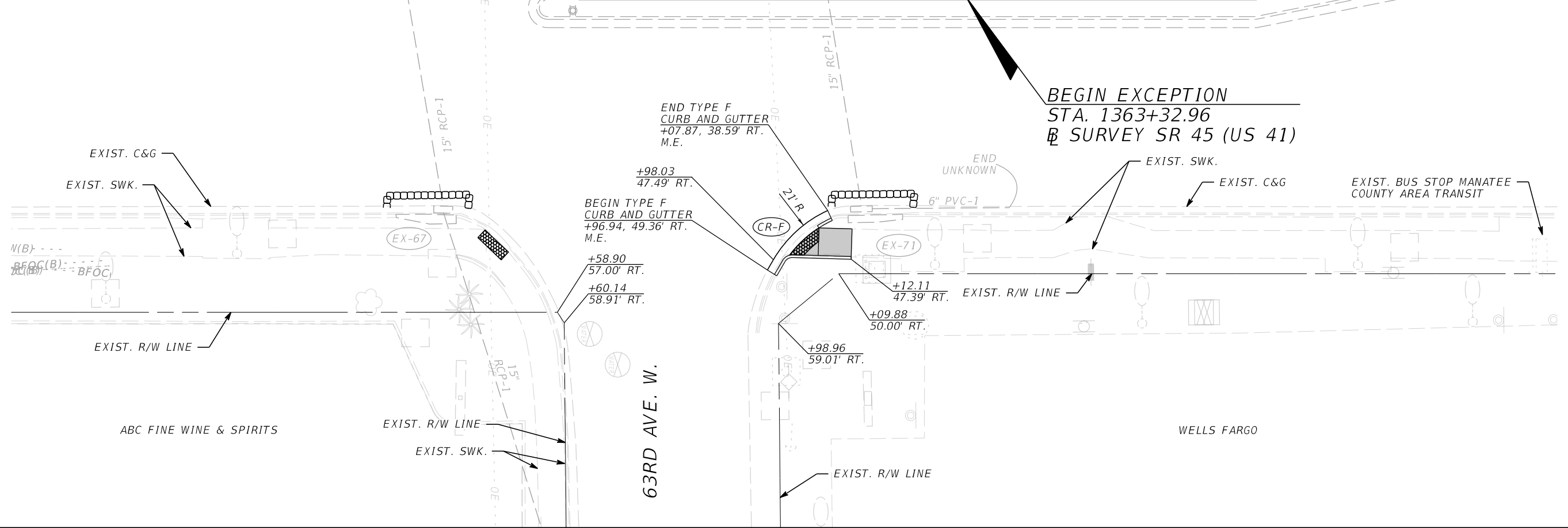
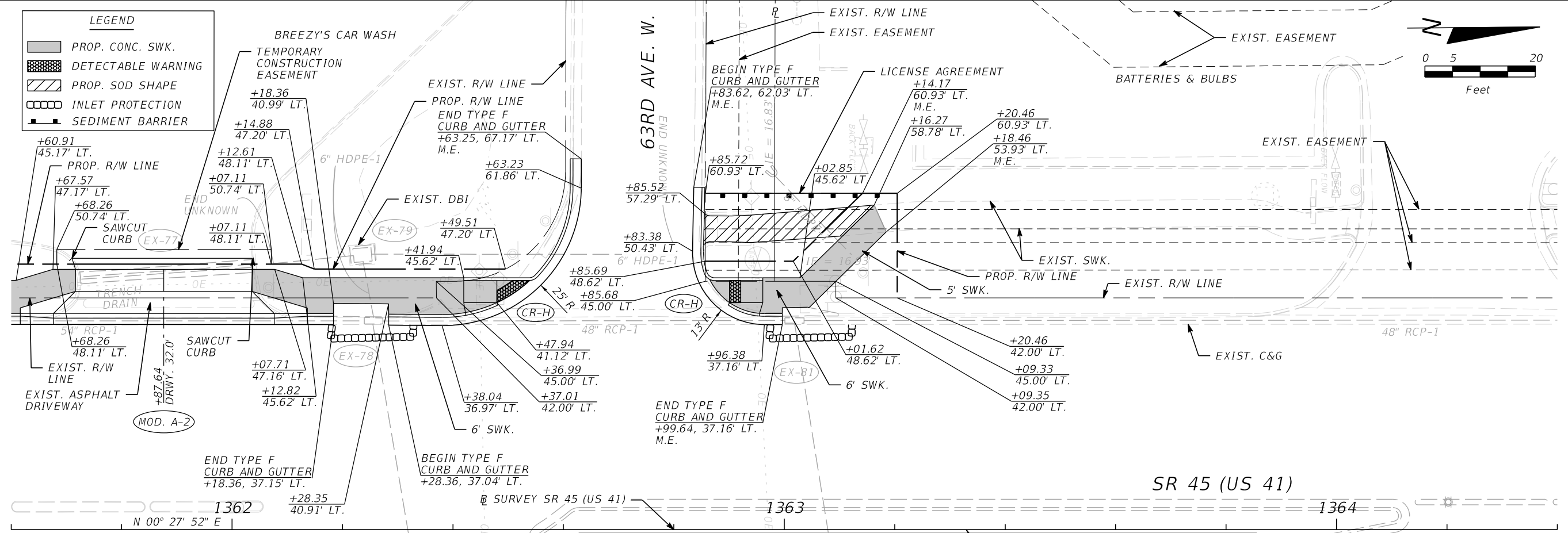
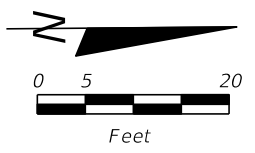
SHEET NO.  
**26**

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



**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE
	INLET PROTECTION
	SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

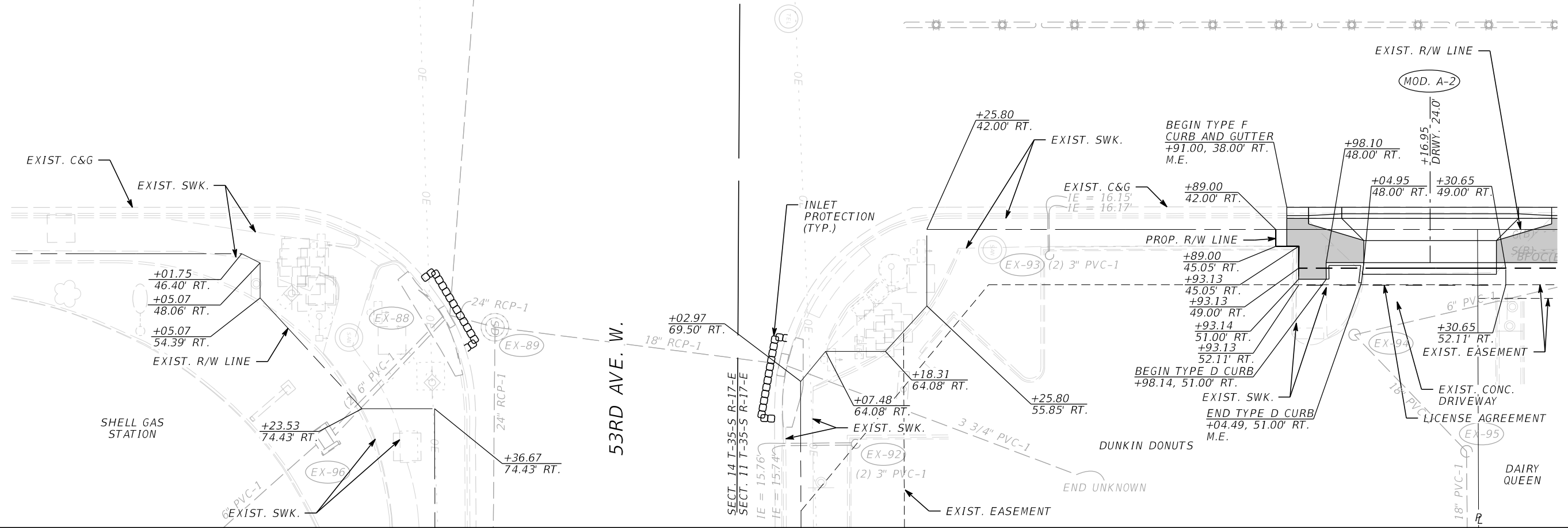
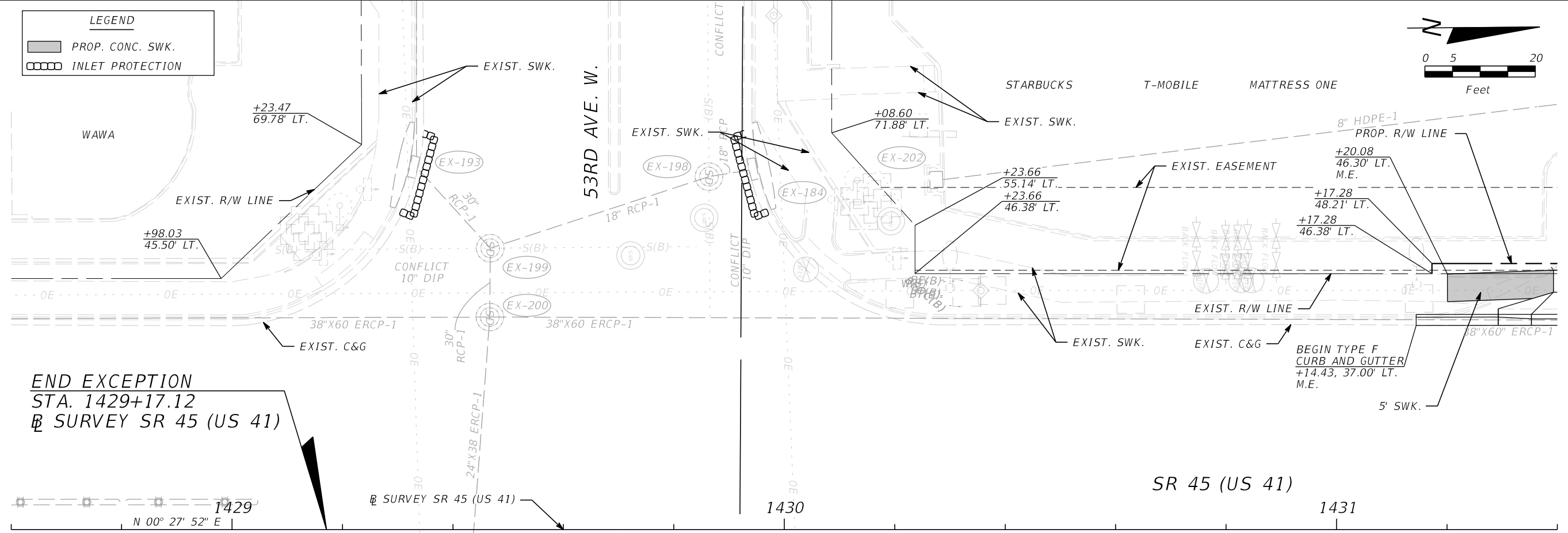
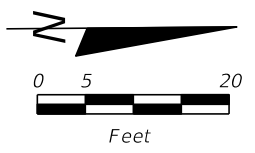
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

<b>ROADWAY PLANS (15)</b>		SHEET NO. <b>27</b>
---------------------------	--	------------------------

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**LEGEND**

- PROP. CONC. SWK.
- INLET PROTECTION



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324





MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

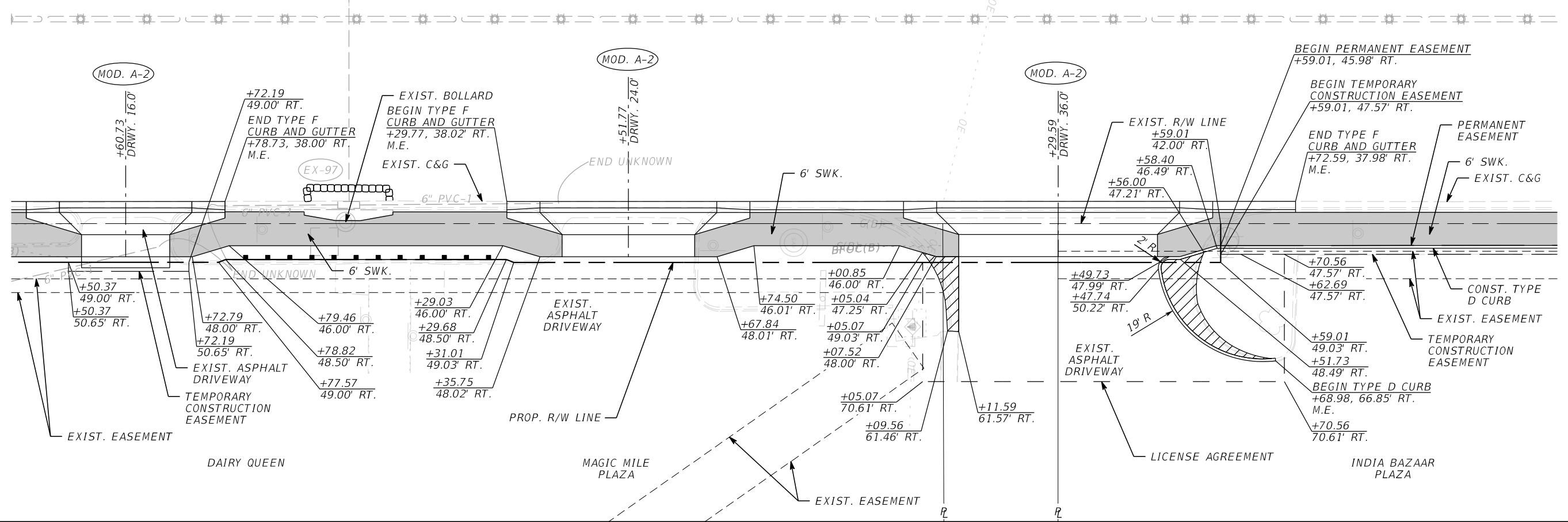
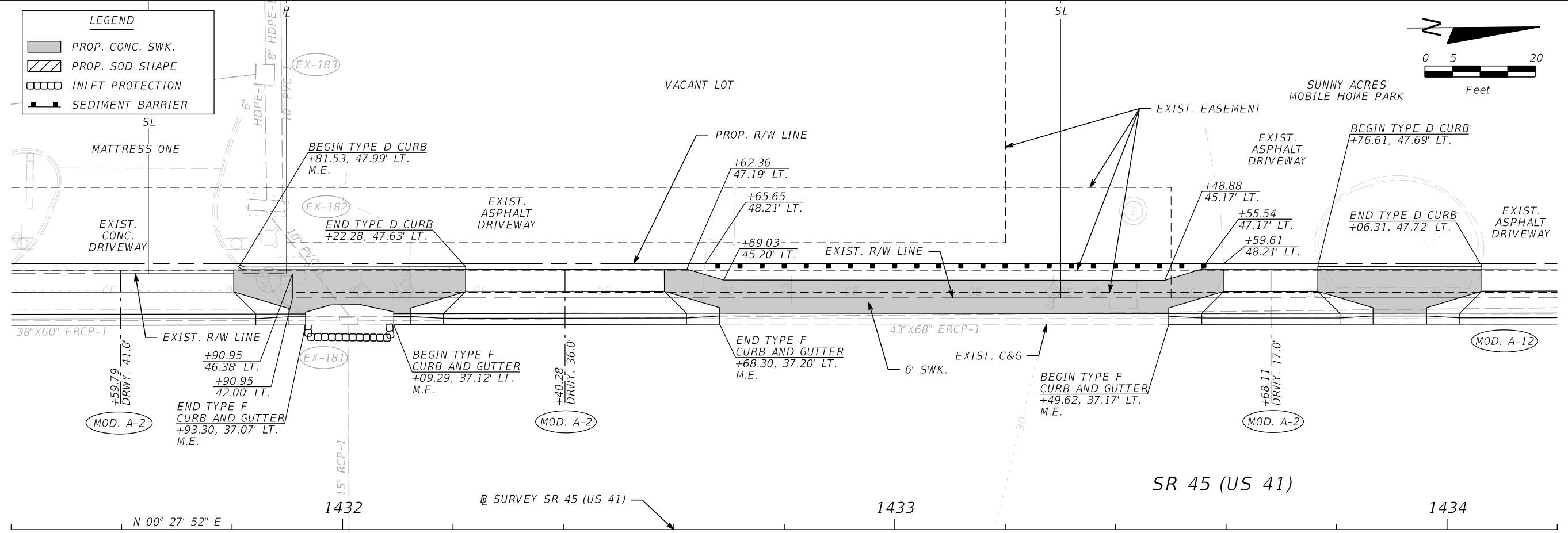
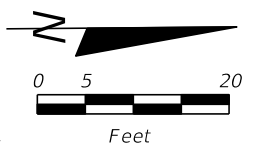
**ROADWAY PLANS (16)**

SHEET NO.  
28

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**LEGEND**

-  PROP. CONC. SWK.
-  PROP. SOD SHAPE
-  INLET PROTECTION
-  SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

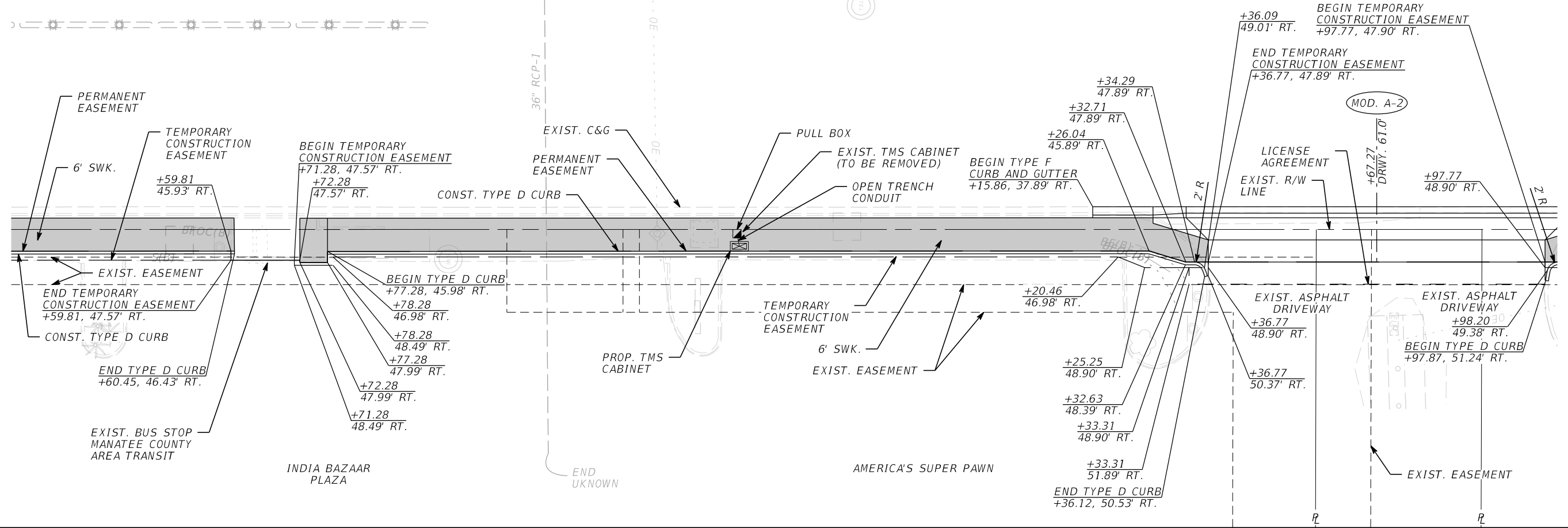
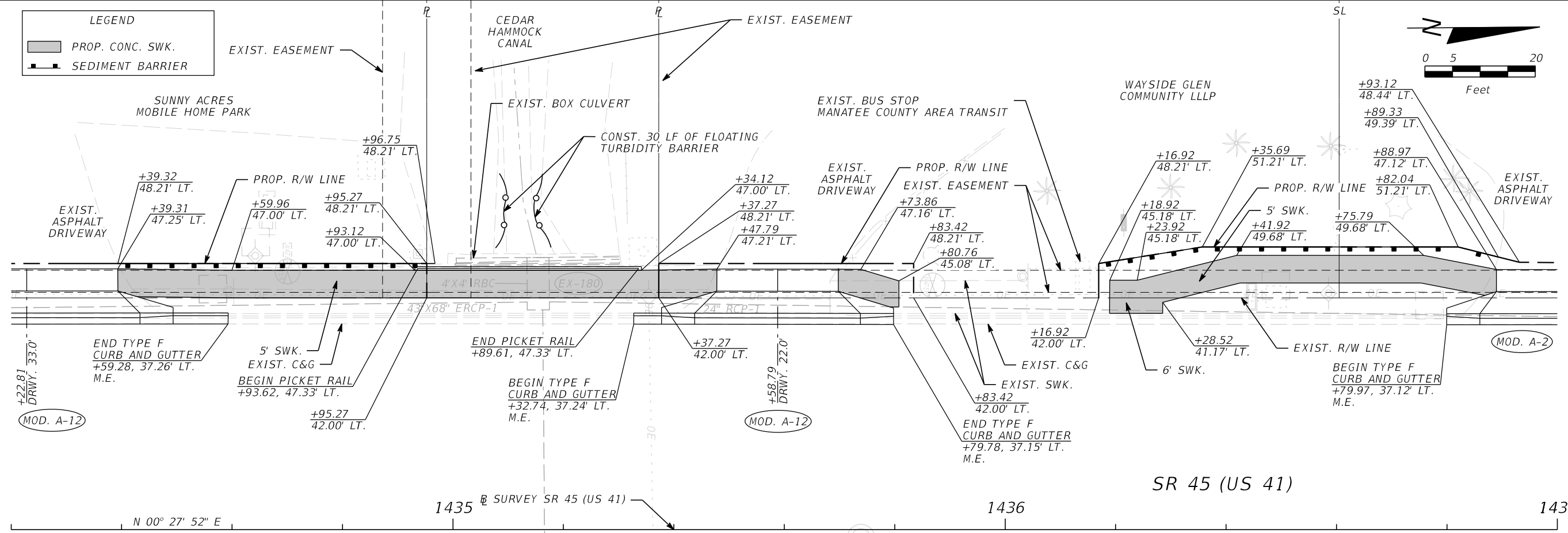
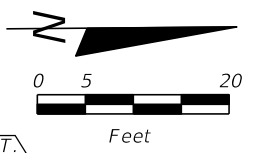
**ROADWAY PLANS (17)**

SHEET NO.  
29

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

**LEGEND**

- PROP. CONC. SWK.
- SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

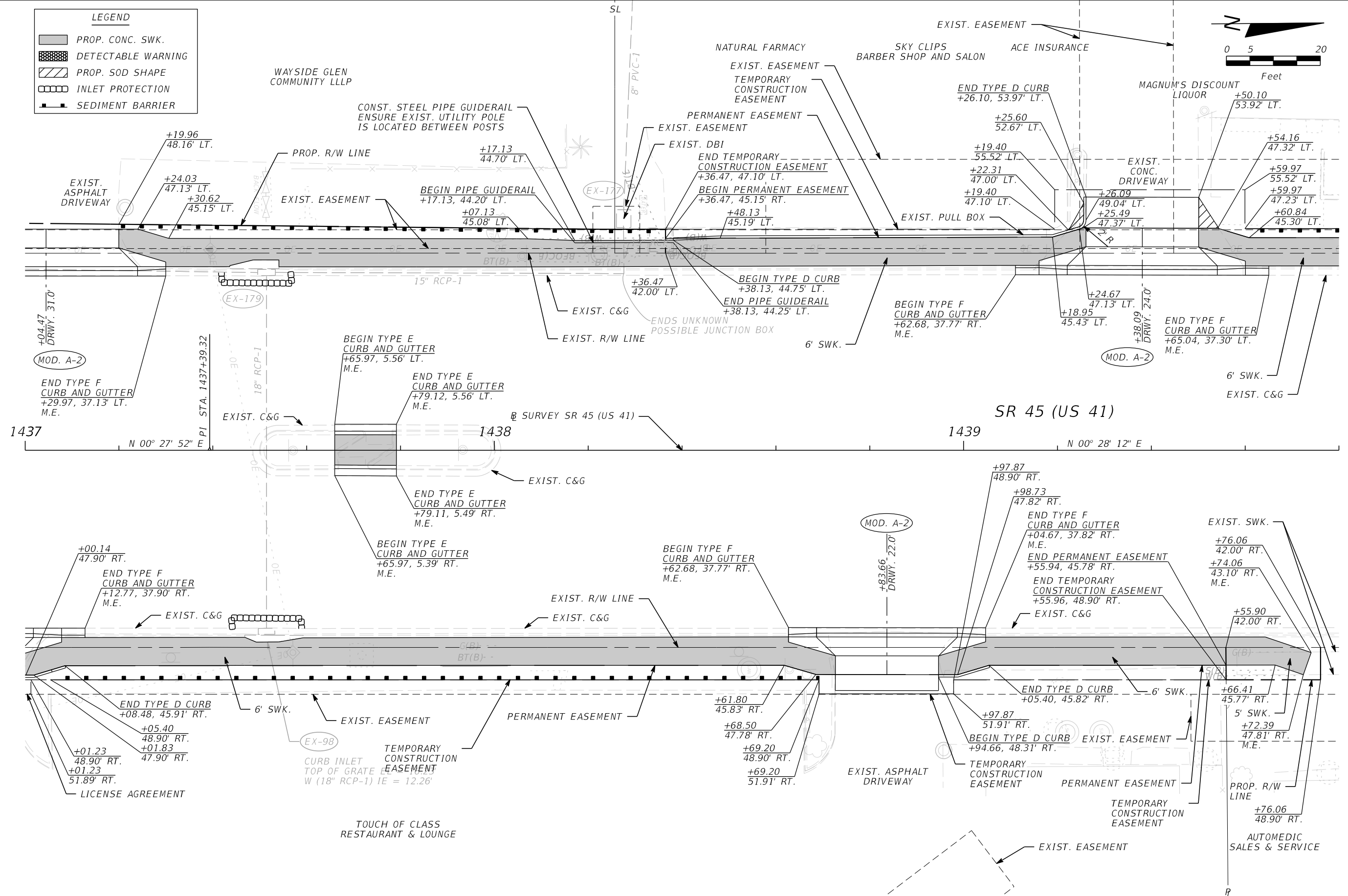
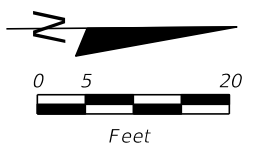
**ROADWAY PLANS (18)**

SHEET NO.  
30

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

**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE
	INLET PROTECTION
	SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

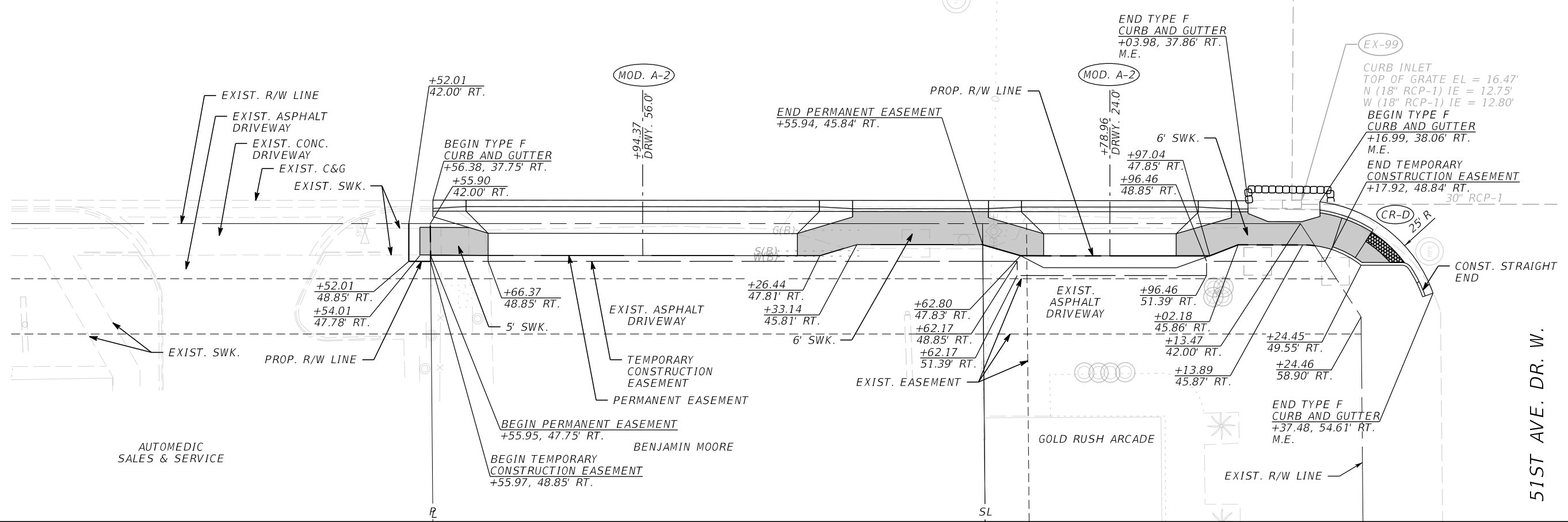
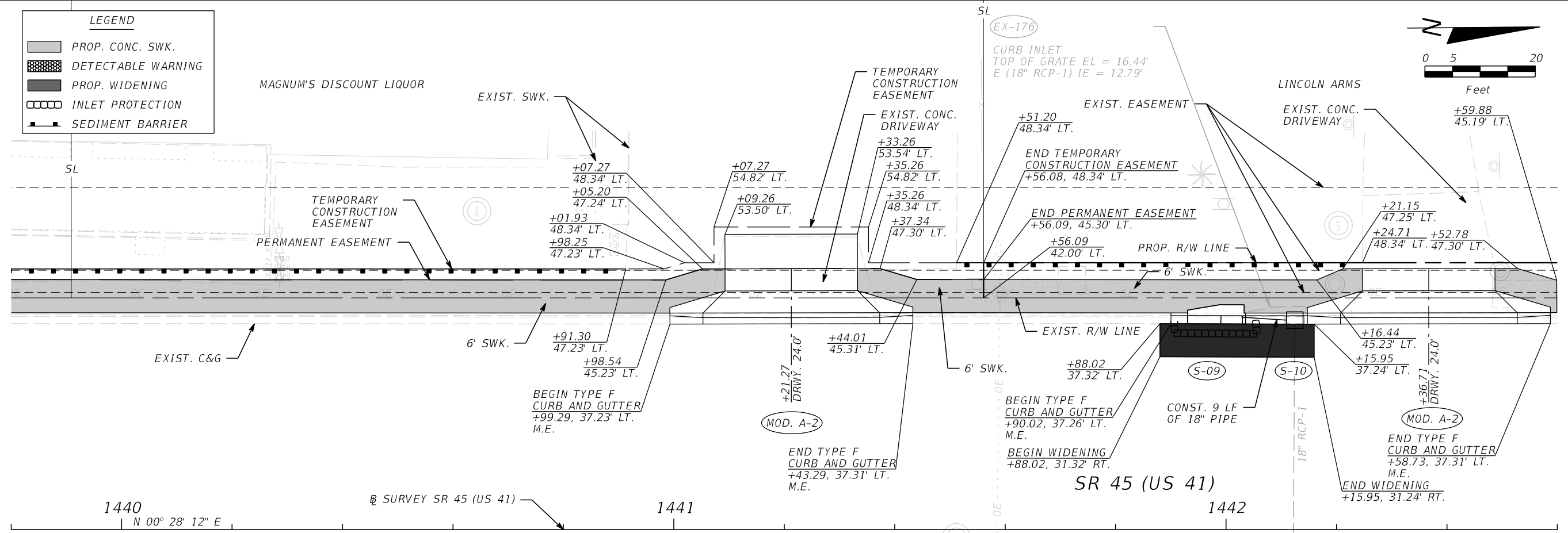
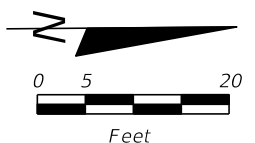
**ROADWAY PLANS (19)**

SHEET NO.  
**31**

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

**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. WIDENING
	INLET PROTECTION
	SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

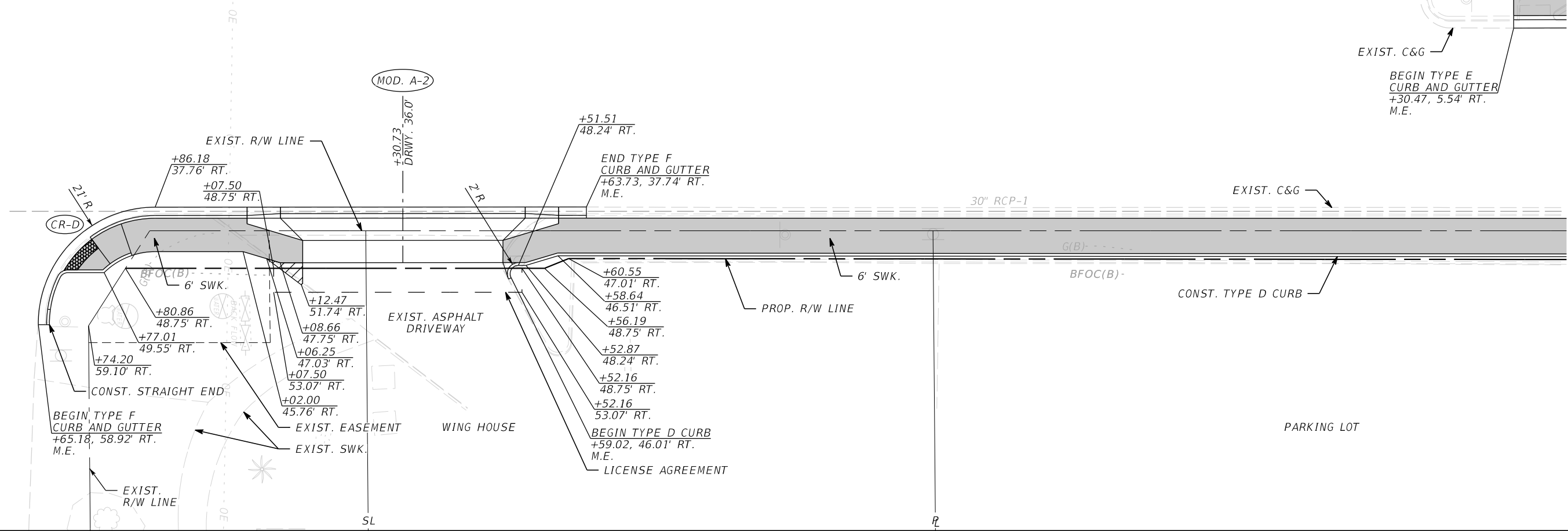
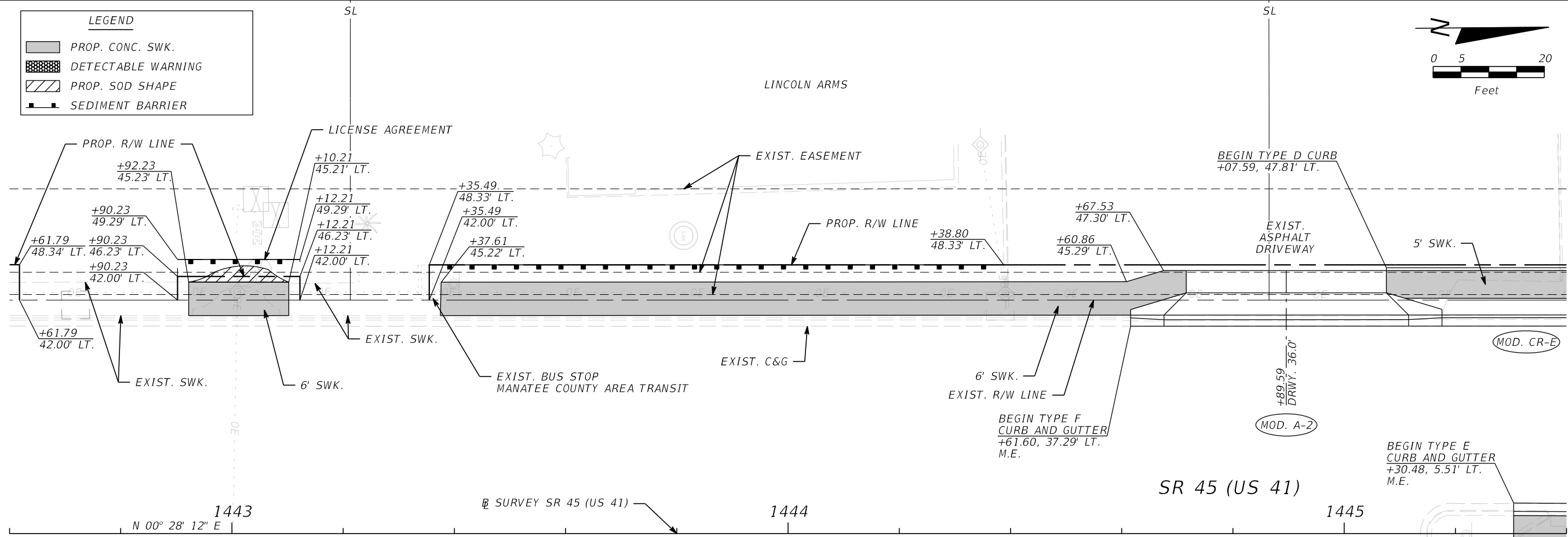
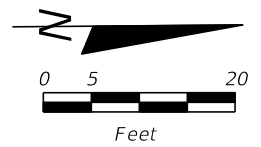
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

<b>ROADWAY PLANS (20)</b>		SHEET NO. 32
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LEGEND	
	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE
	SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

<b>ROADWAY PLANS (21)</b>		SHEET NO. 33
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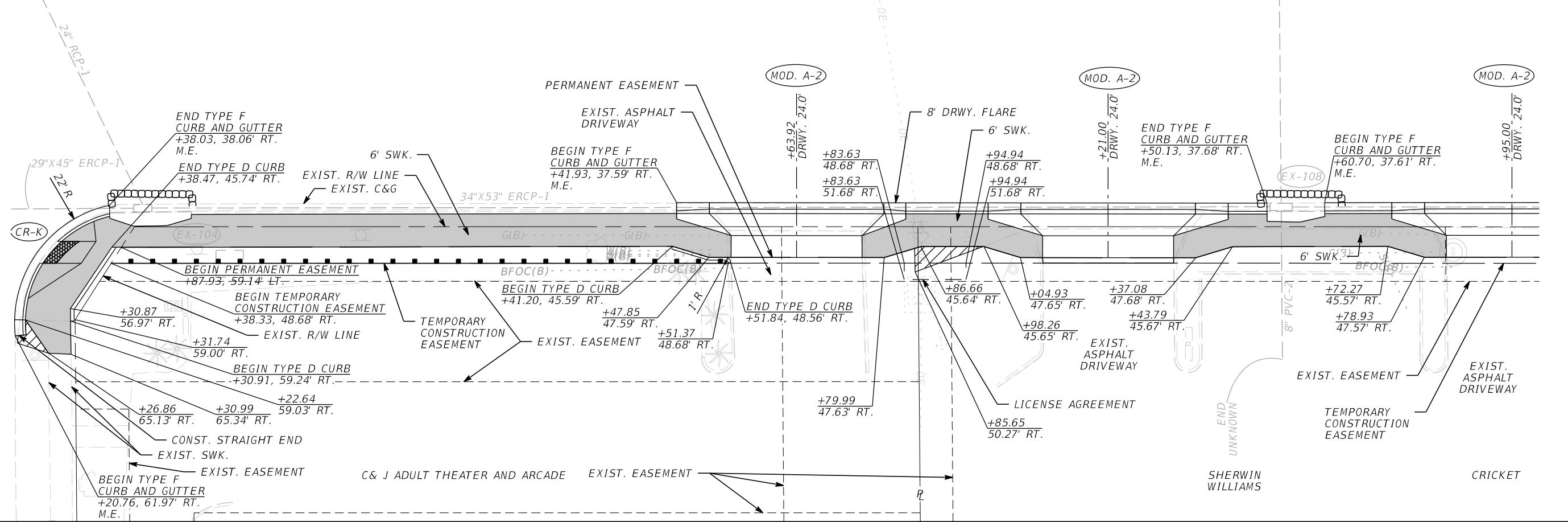
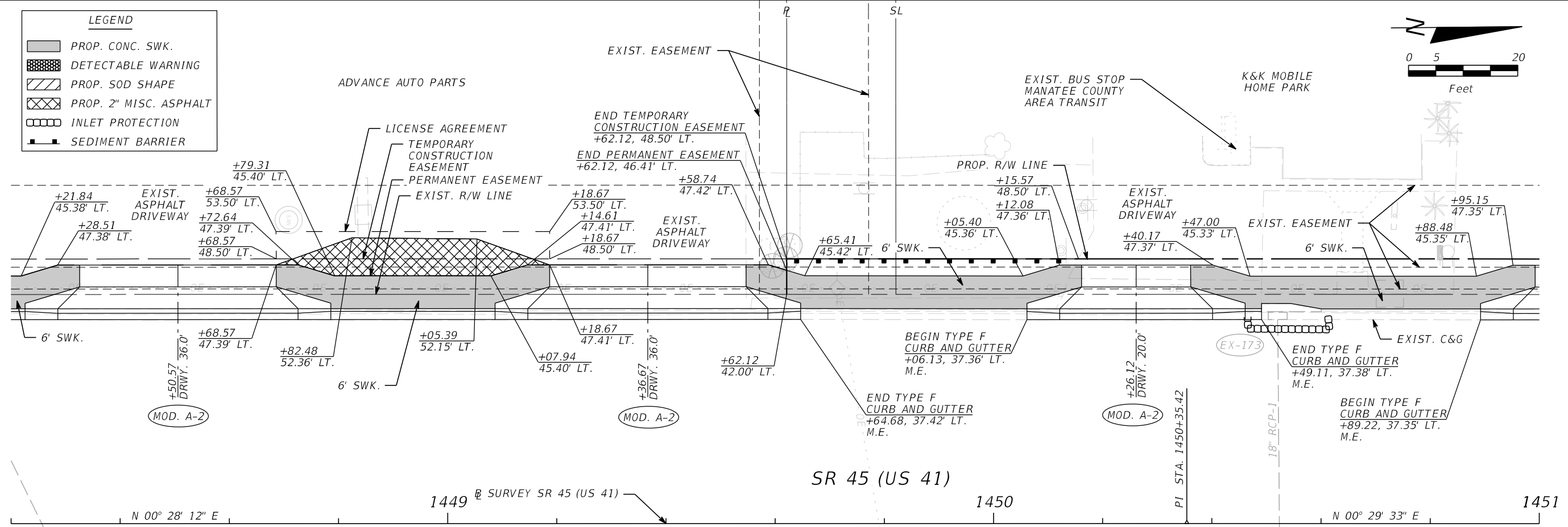
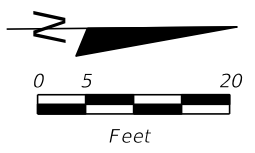
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE
	PROP. 2" MISC. ASPHALT
	INLET PROTECTION
	SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

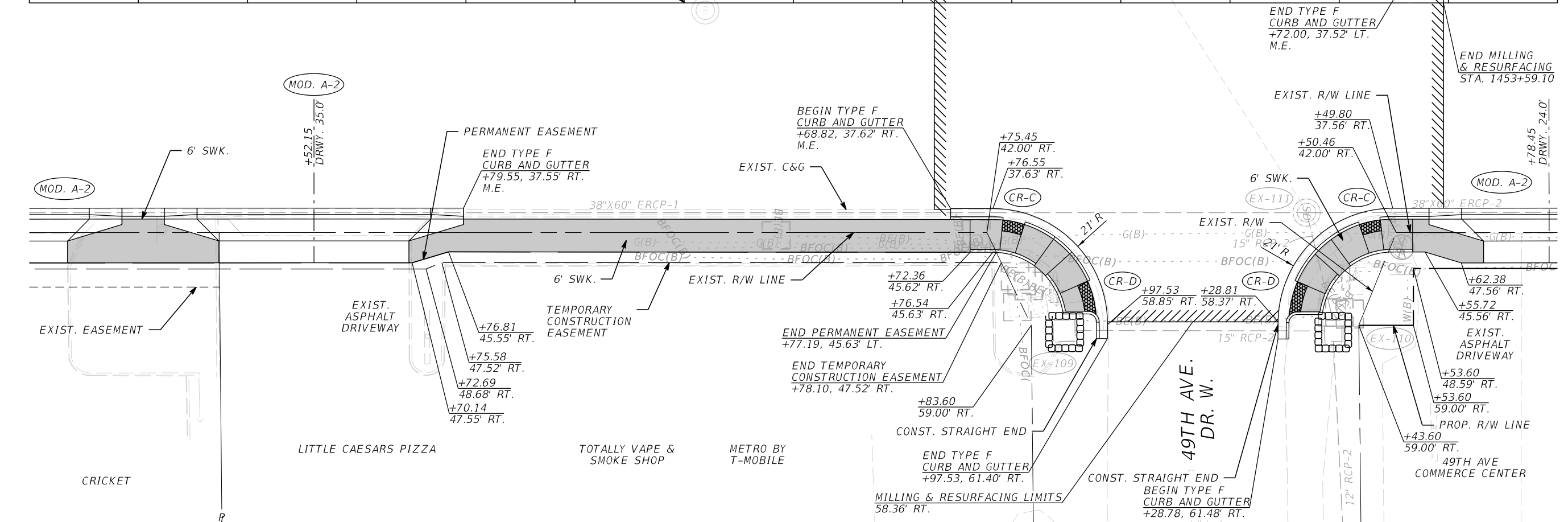
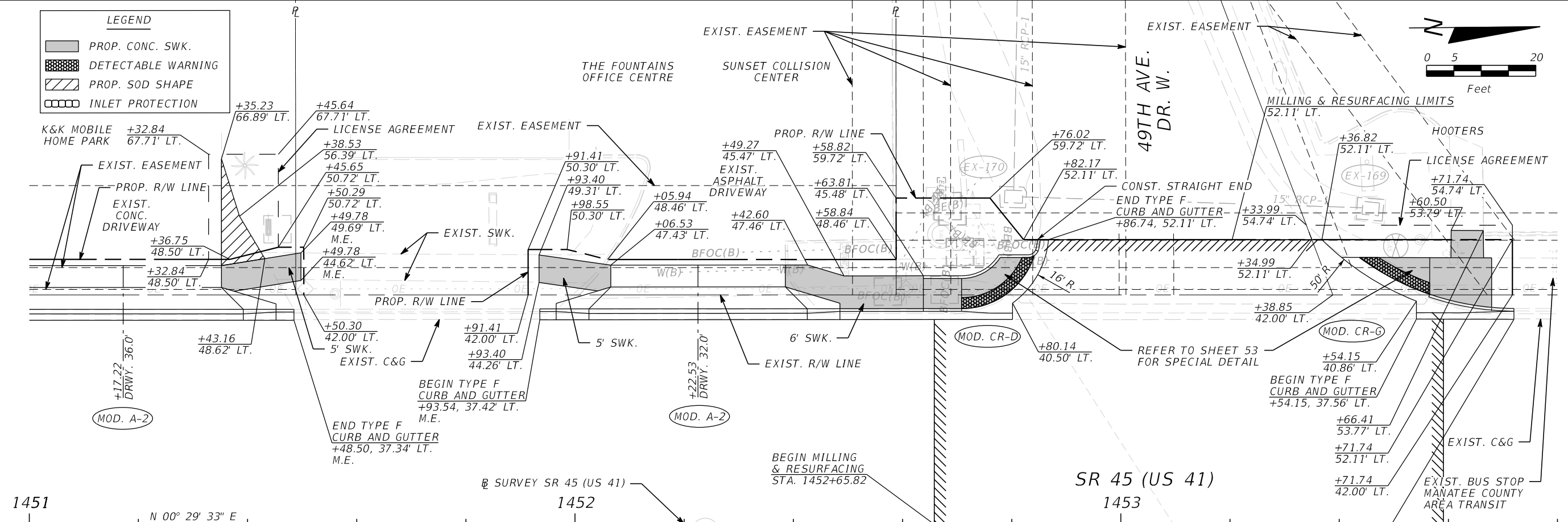
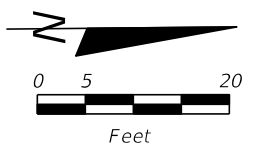
**ROADWAY PLANS (23)**

SHEET NO.  
35

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**LEGEND**

- PROP. CONC. SWK.
- DETECTABLE WARNING
- PROP. SOD SHAPE
- INLET PROTECTION



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

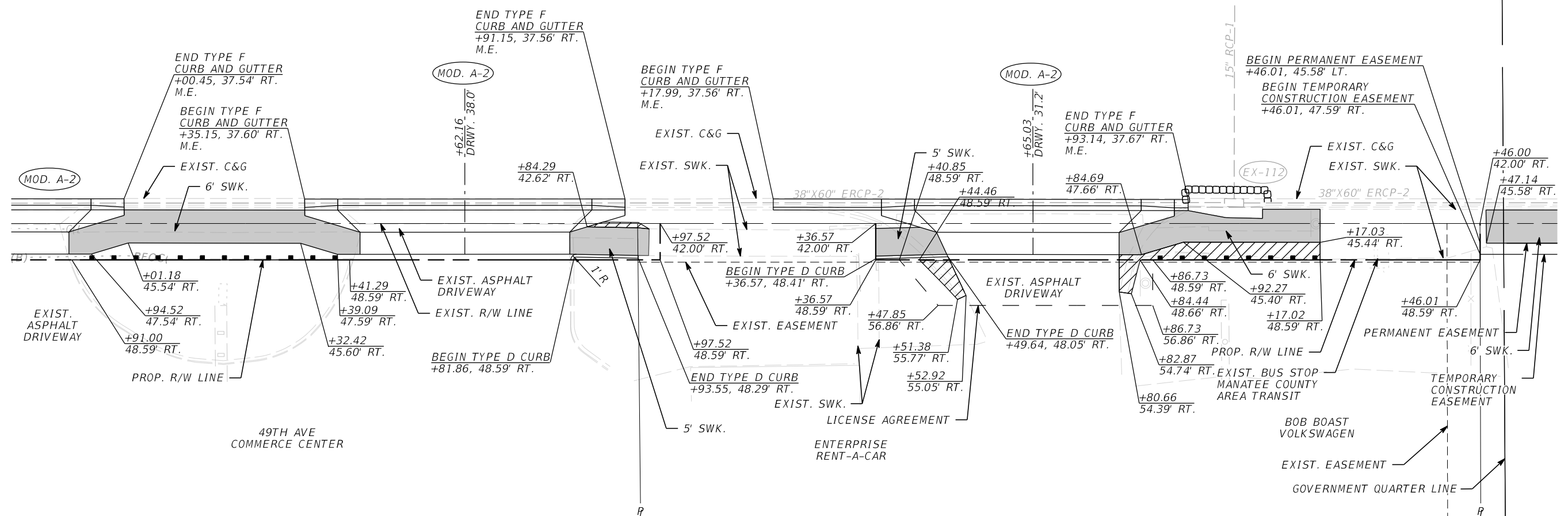
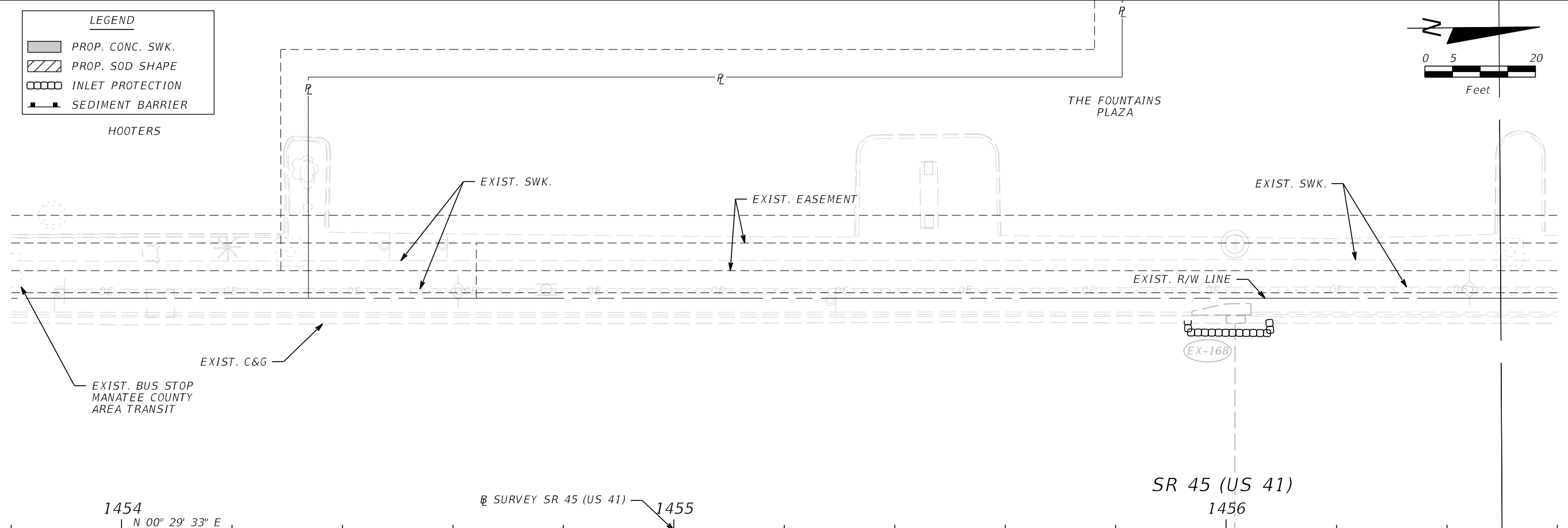
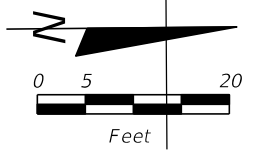
**ROADWAY PLANS (24)**

SHEET NO.  
36

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

**LEGEND**

	PROP. CONC. SWK.
	PROP. SOD SHAPE
	INLET PROTECTION
	SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324




MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

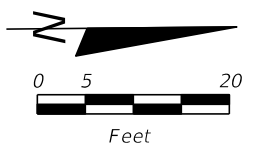
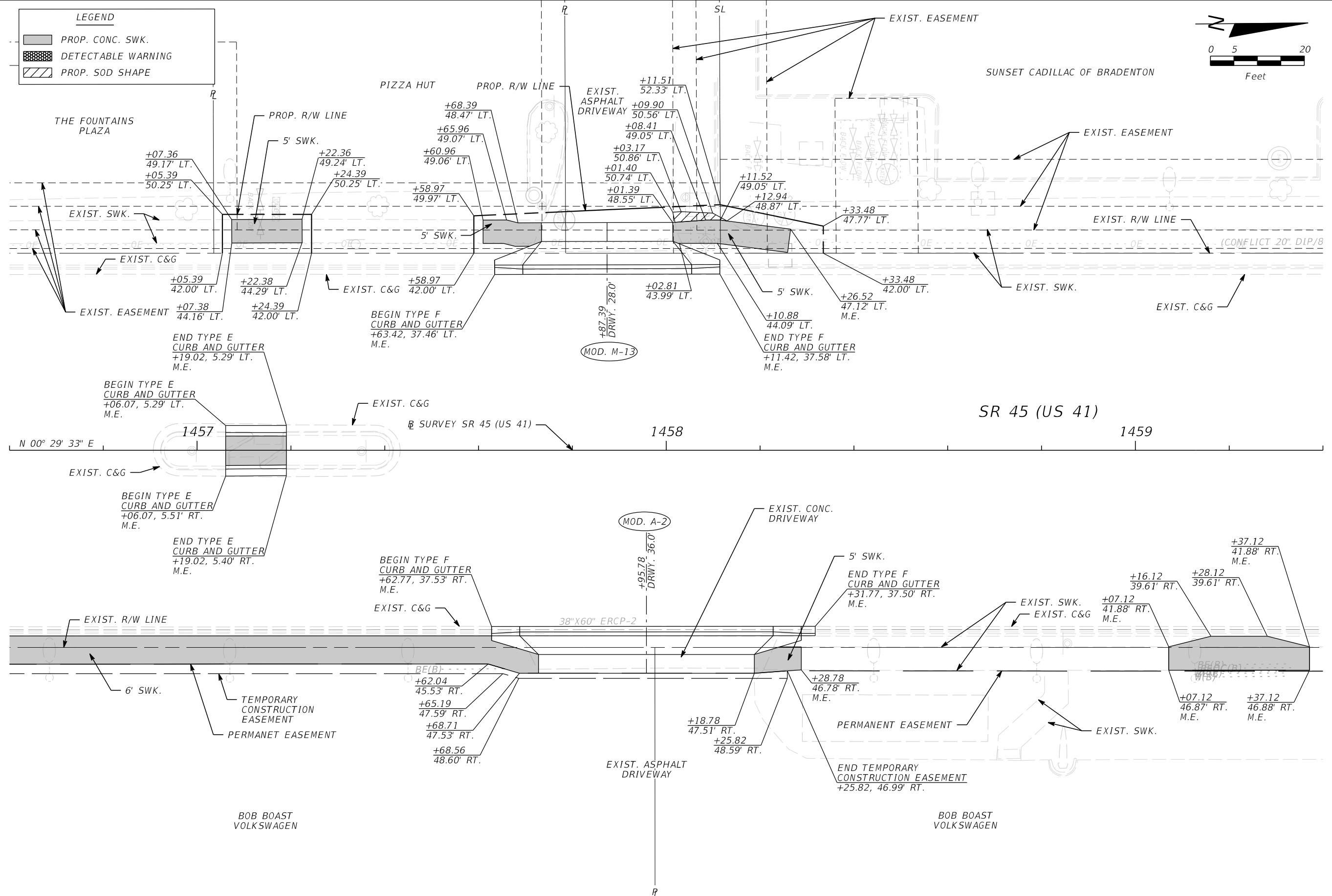
**ROADWAY PLANS (25)**

SHEET NO.  
**37**

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

**LEGEND**

-  PROP. CONC. SWK.
-  DETECTABLE WARNING
-  PROP. SOD SHAPE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

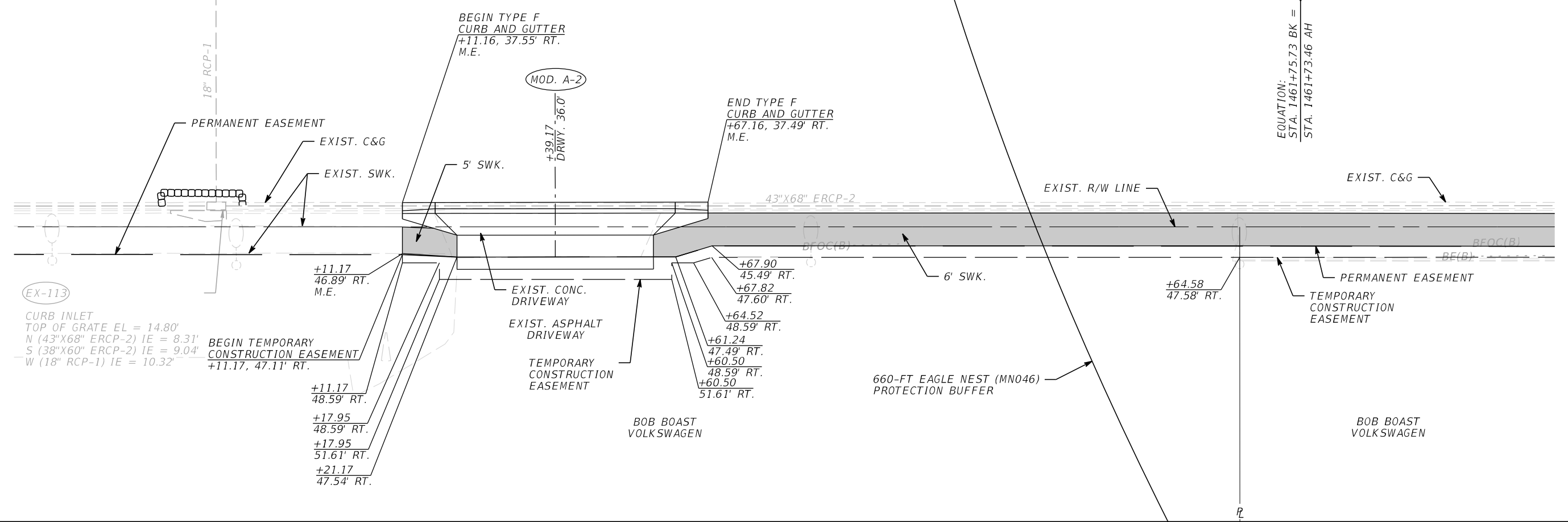
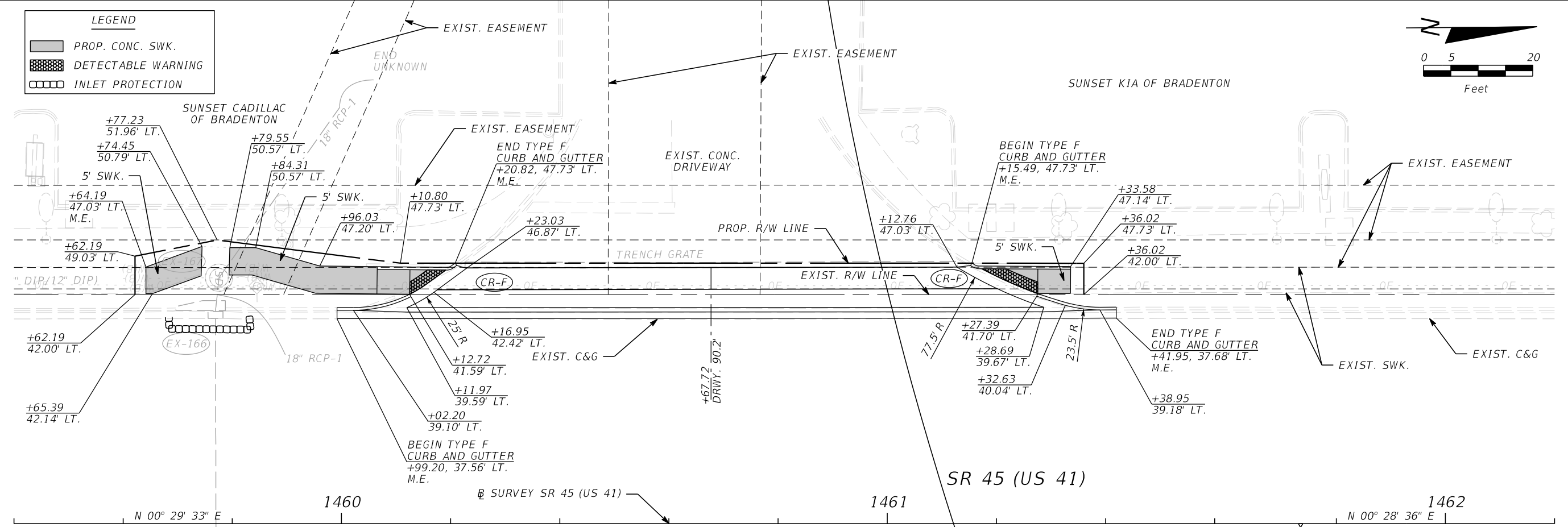
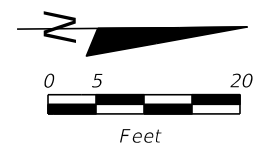
**ROADWAY PLANS (26)**

SHEET NO.  
38

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**LEGEND**

- PROP. CONC. SWK.
- DETECTABLE WARNING
- INLET PROTECTION



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

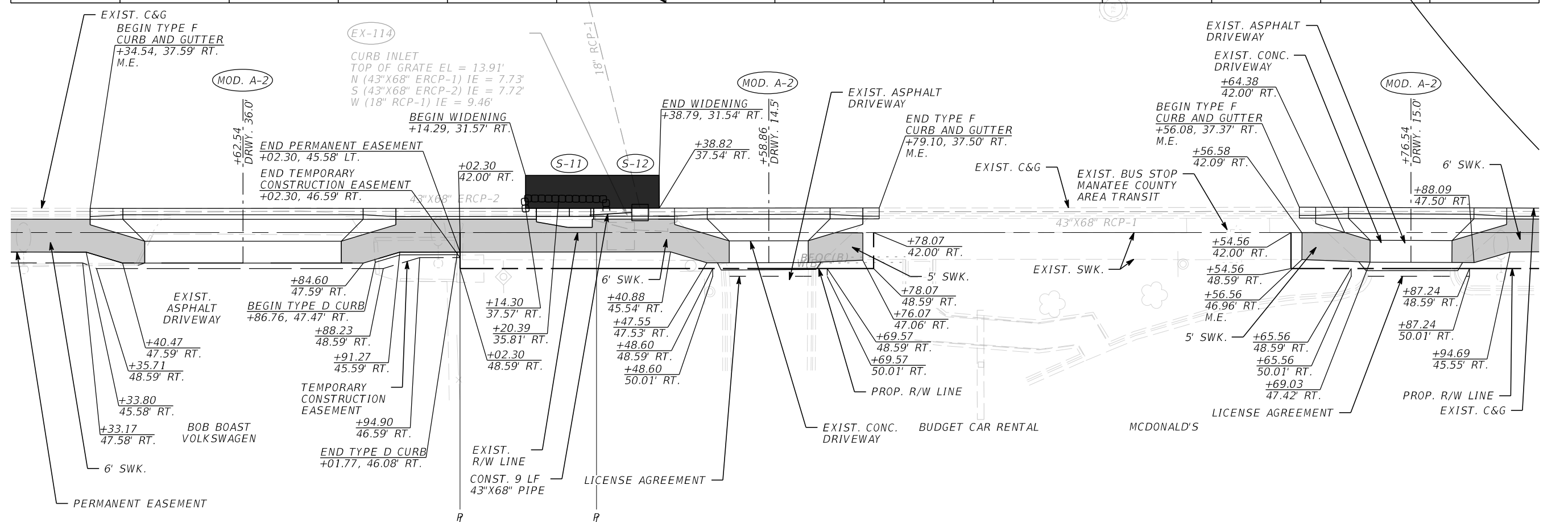
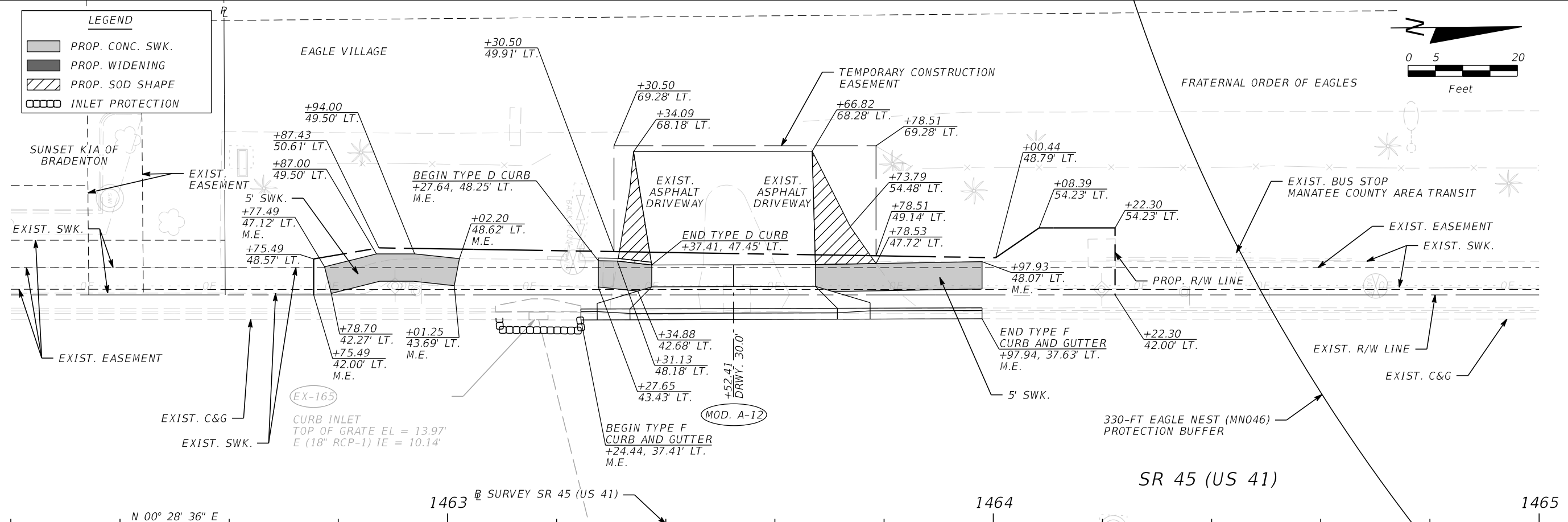
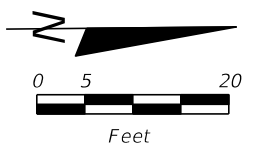
**ROADWAY PLANS (27)**

SHEET NO.  
39

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

**LEGEND**

- PROP. CONC. SWK.
- PROP. WIDENING
- PROP. SOD SHAPE
- INLET PROTECTION

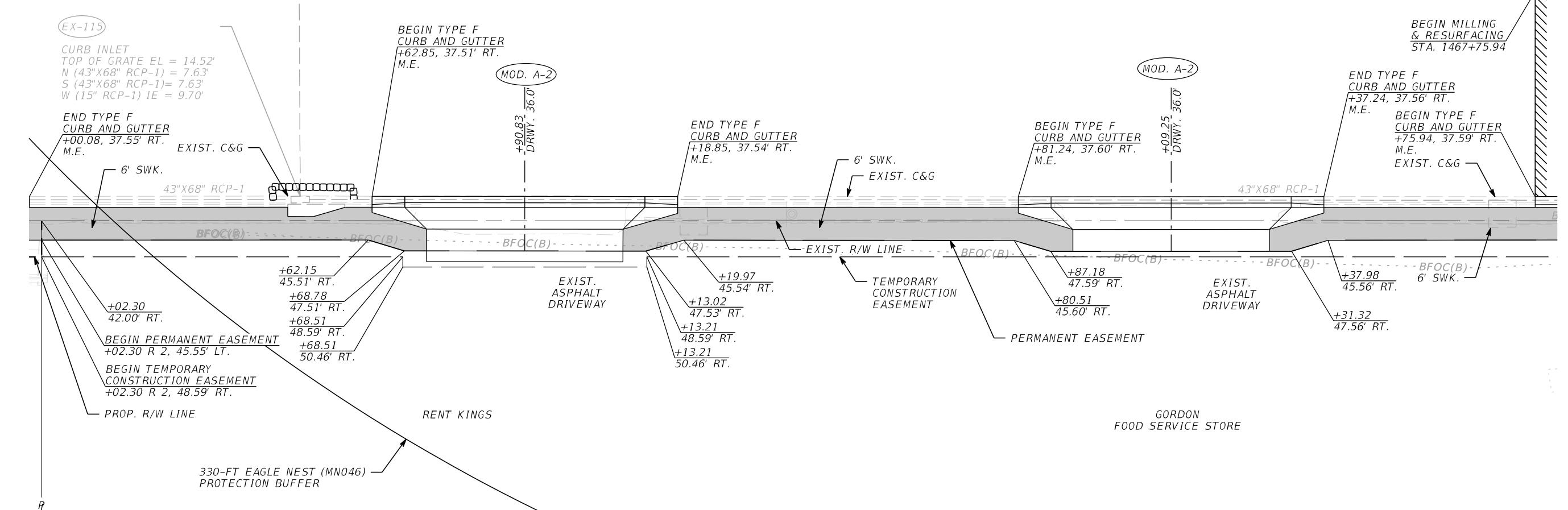
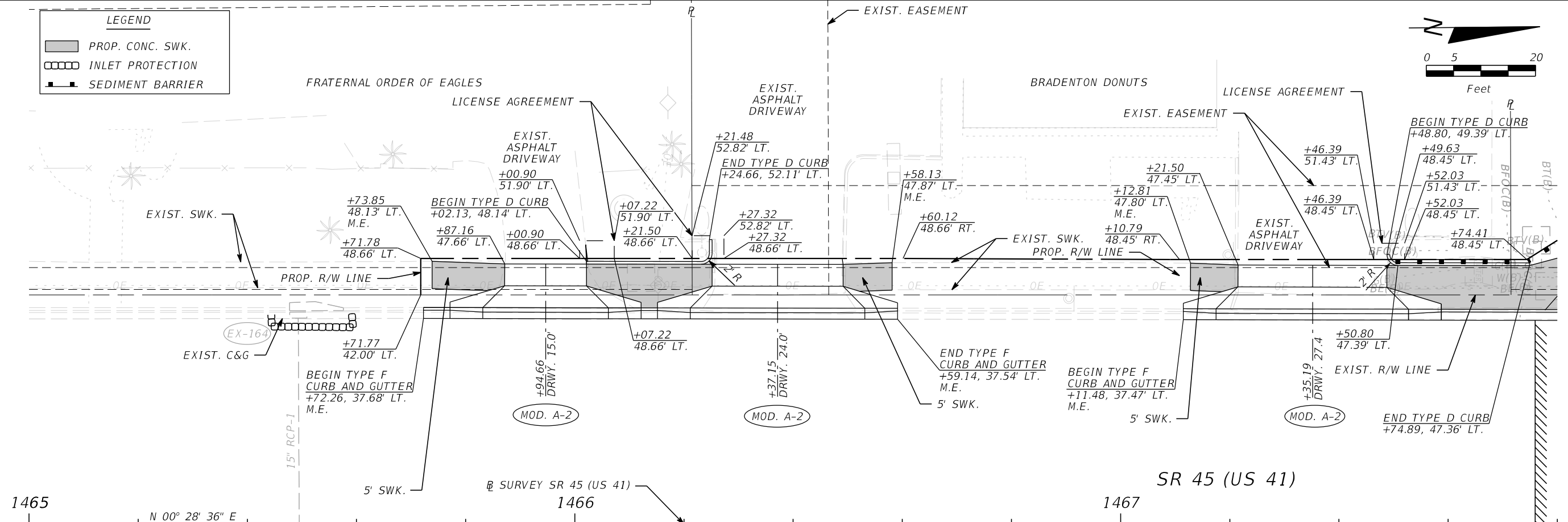
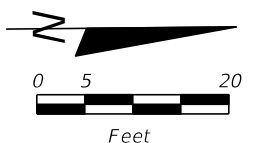


REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>ROADWAY PLANS (28)</b>  SHEET NO.  40
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

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**LEGEND**

- PROP. CONC. SWK.
- INLET PROTECTION
- SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

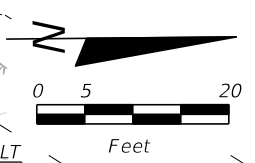
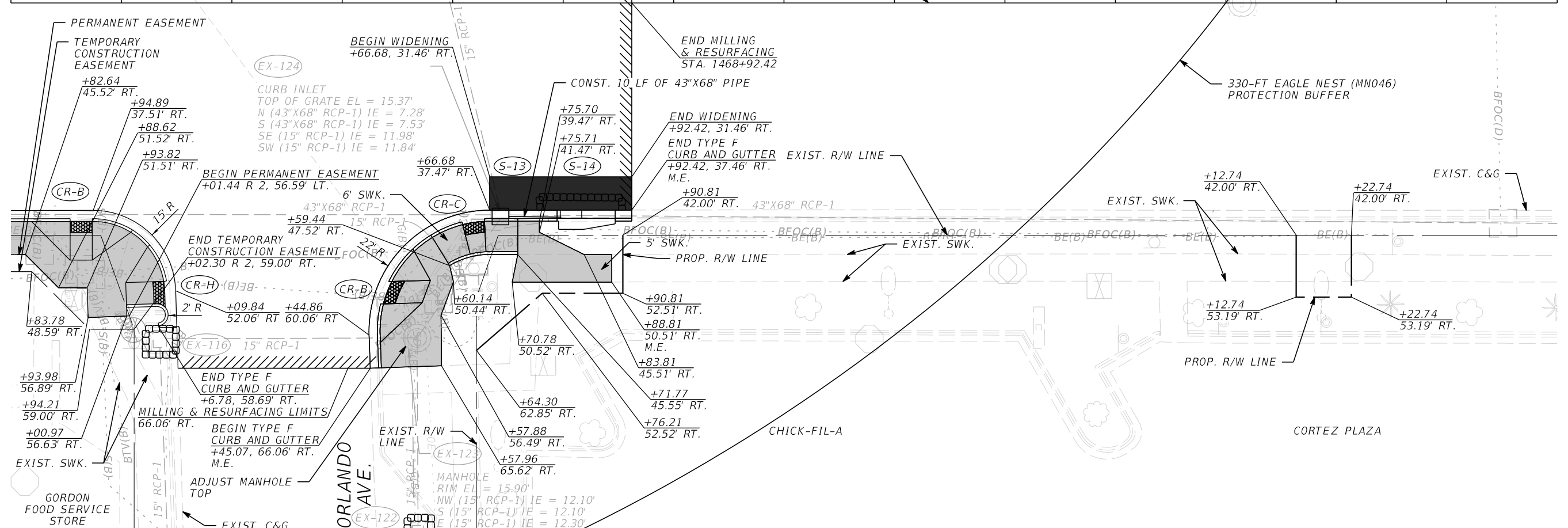
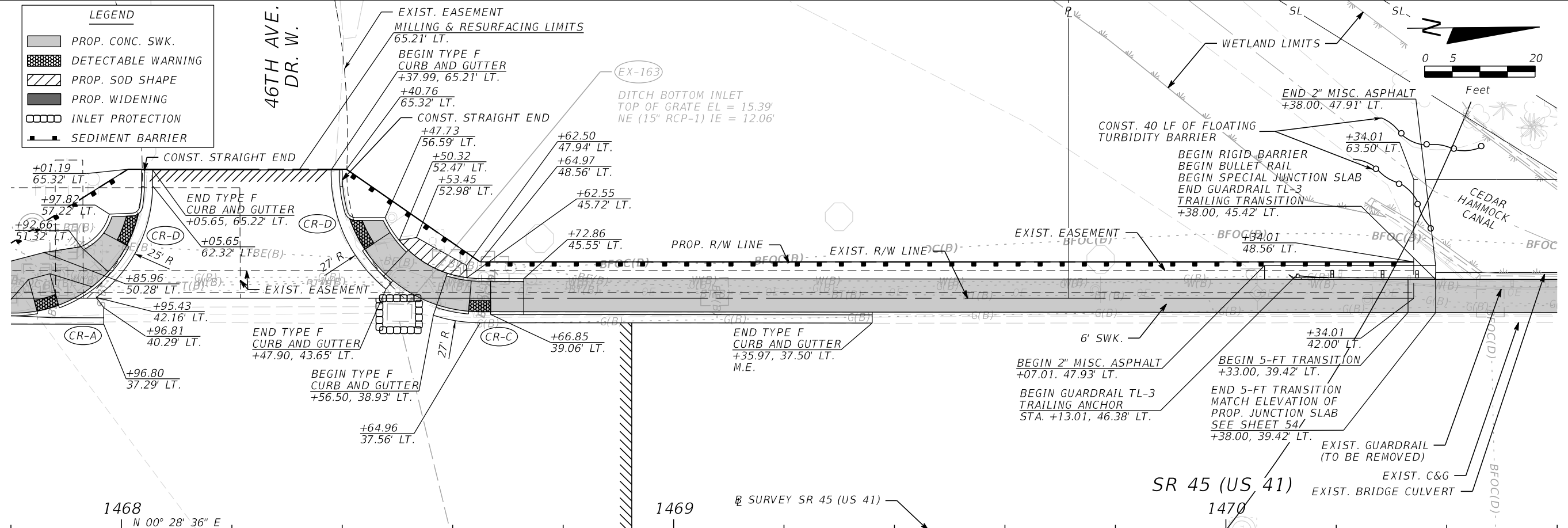
**ROADWAY PLANS (29)**

SHEET NO.  
**41**

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

**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE
	PROP. WIDENING
	INLET PROTECTION
	SEDIMENT BARRIER



REVISIONS	
DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

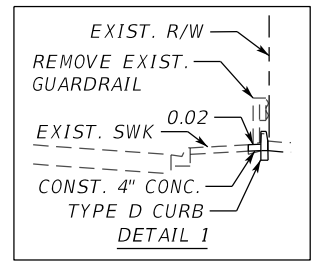
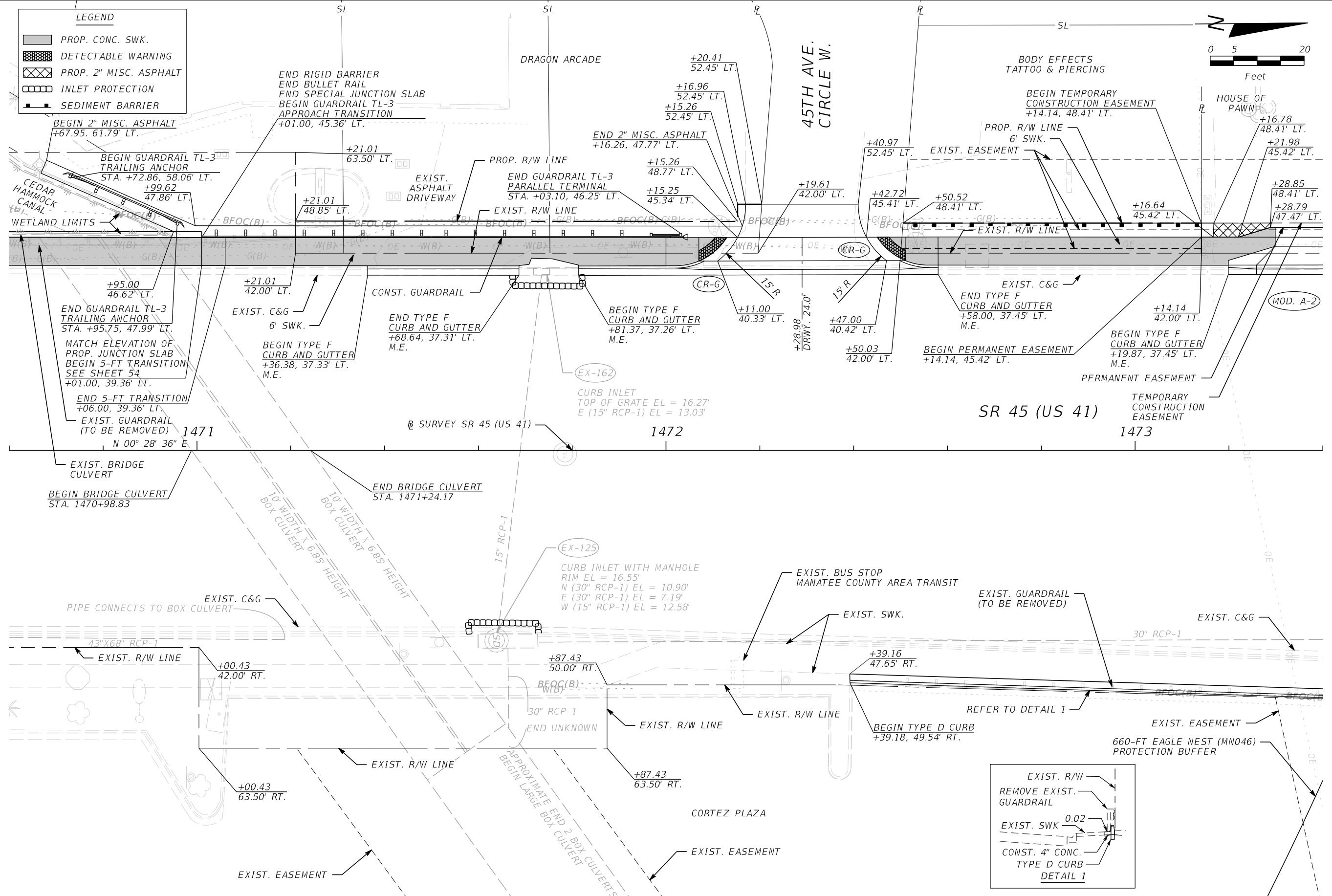
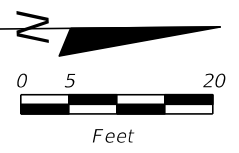
ROADWAY PLANS (30)	
DATE	SHEET NO.
	42

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



**LEGEND**

- PROP. CONC. SWK.
- DETECTABLE WARNING
- PROP. 2" MISC. ASPHALT
- INLET PROTECTION
- SEDIMENT BARRIER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**JULIO C. DELGADO, P.E.**  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

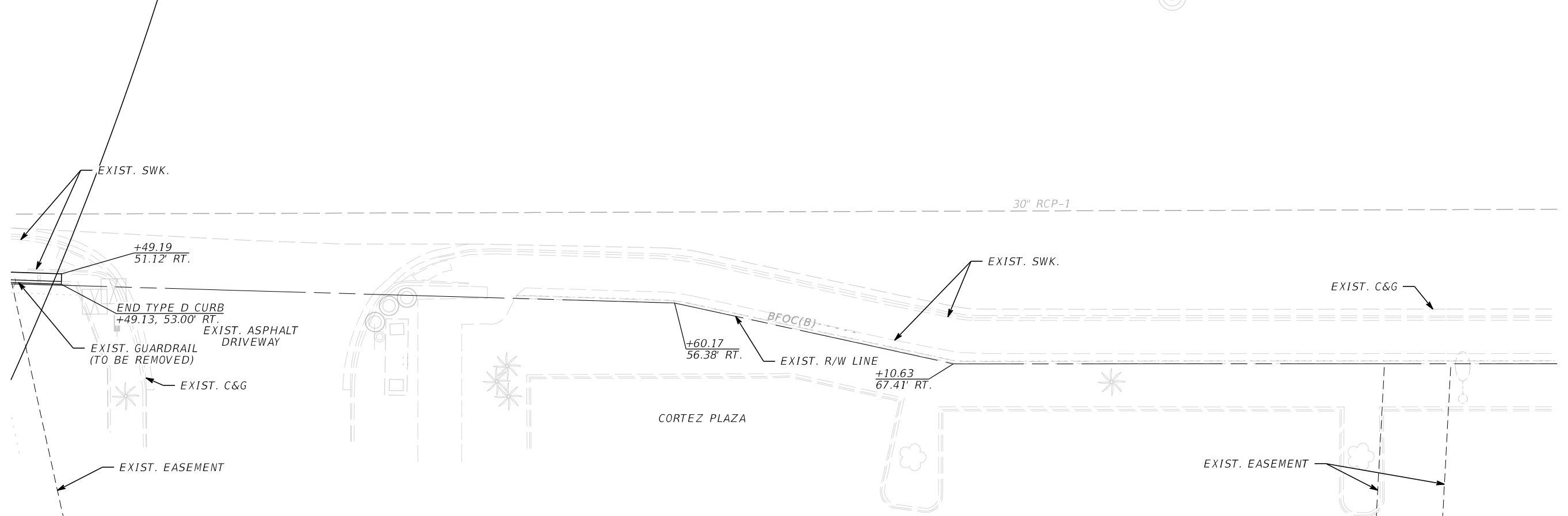
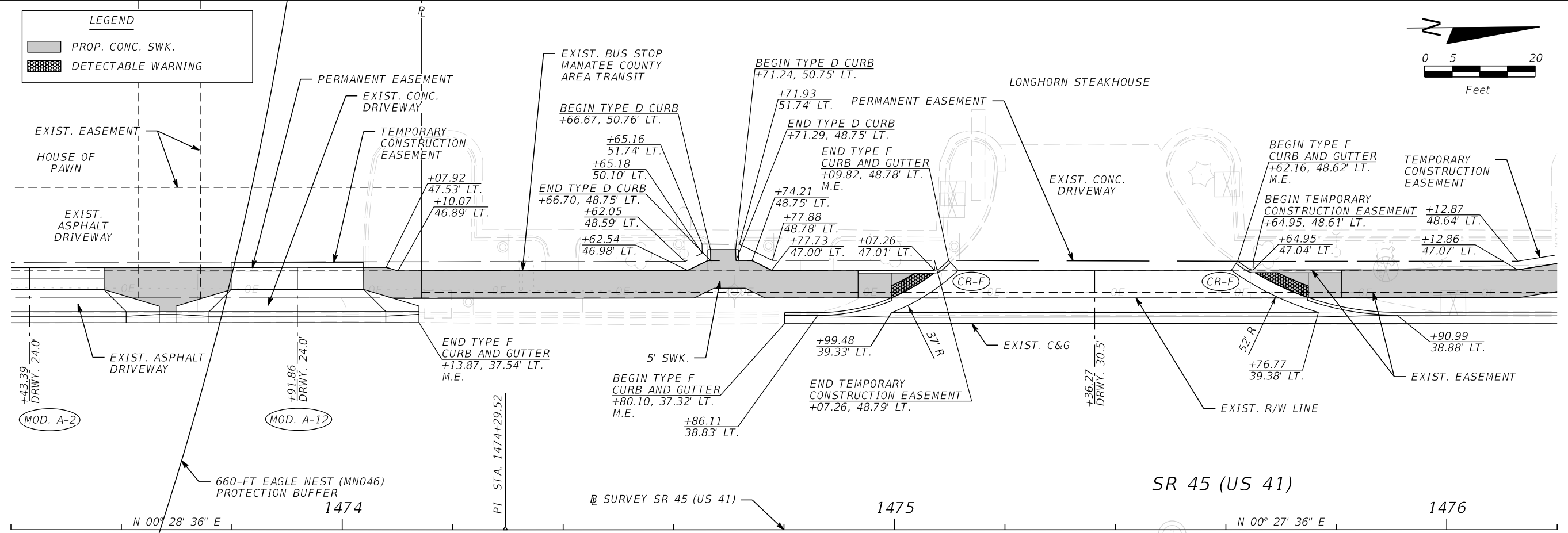
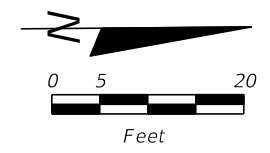
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**ROADWAY PLANS (31)**

SHEET NO. 43

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

LEGEND	
	PROP. CONC. SWK.
	DETECTABLE WARNING



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

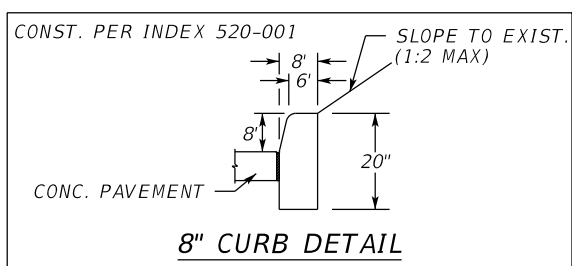
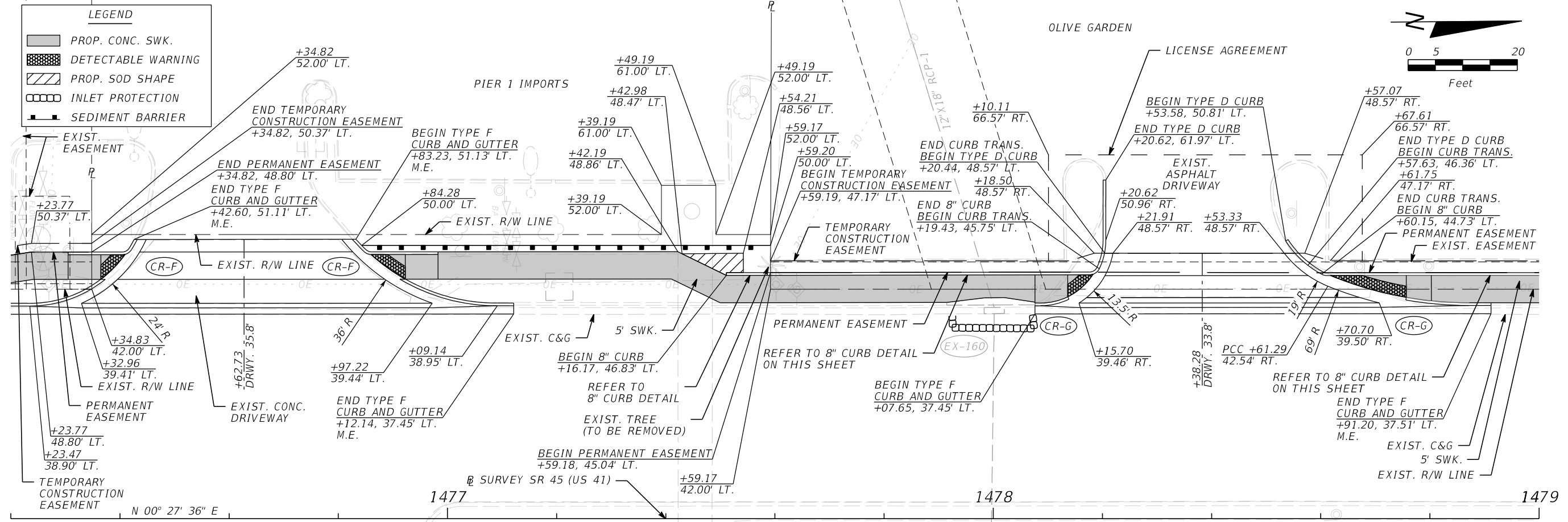
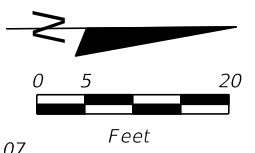
**ROADWAY PLANS (32)**

SHEET NO.  
44

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

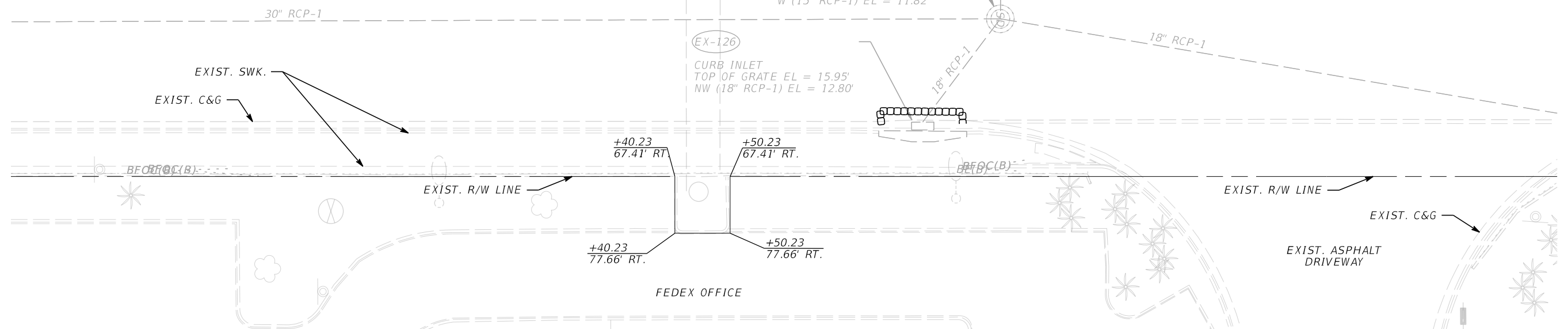
**LEGEND**

	PROP. CONC. SWK.
	DETECTABLE WARNING
	PROP. SOD SHAPE
	INLET PROTECTION
	SEDIMENT BARRIER



EX-127  
 MANHOLE  
 RIM EL = 16.56'  
 NE (18" RCP-1) EL = 12.25'  
 S (30" RCP-1) EL = 11.71'  
 SE (18" RCP-1) EL = 12.25'  
 W (15" RCP-1) EL = 11.82'

EX-126  
 CURB INLET  
 TOP OF GRATE EL = 15.95'  
 NW (18" RCP-1) EL = 12.80'



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

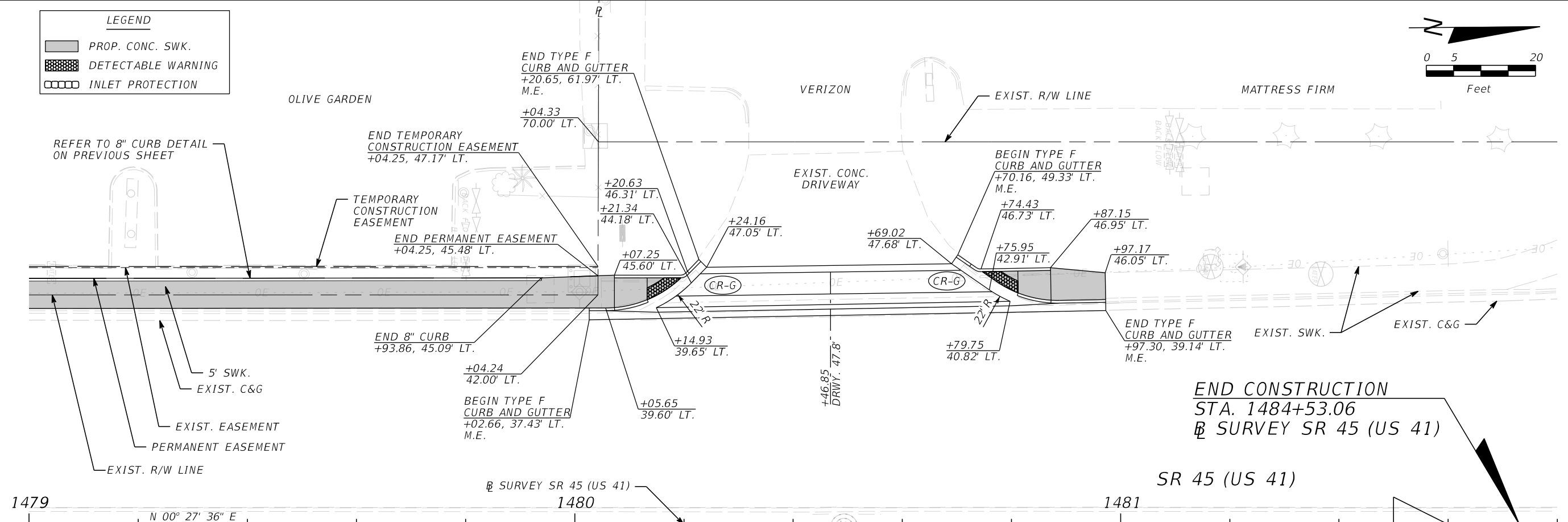
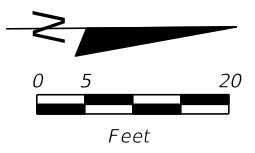
**ROADWAY PLANS (33)**

SHEET NO.  
 45

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**LEGEND**

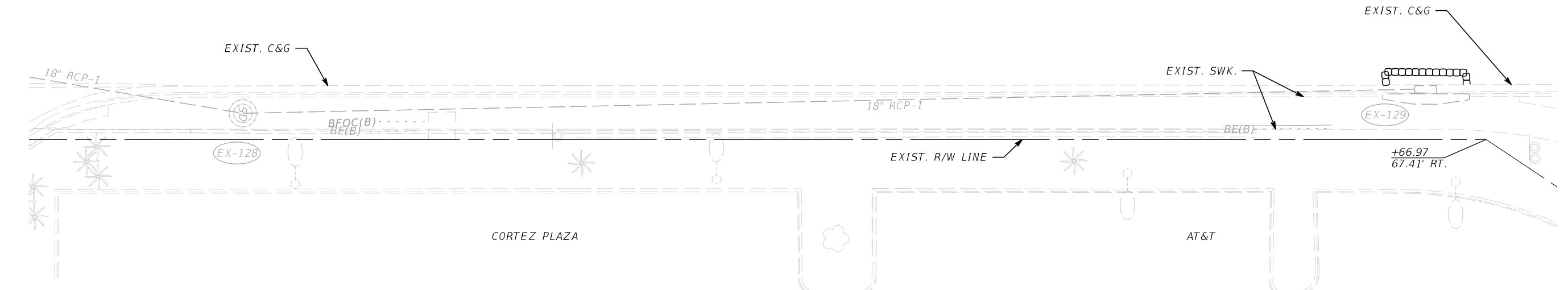
	PROP. CONC. SWK.
	DETECTABLE WARNING
	INLET PROTECTION



**END CONSTRUCTION**  
 STA. 1484+53.06  
 @ SURVEY SR 45 (US 41)

**END PROJECT**  
 STA. 1480+97.30  
 @ SURVEY SR 45 (US 41)

1479  
 N 00° 27' 36" E



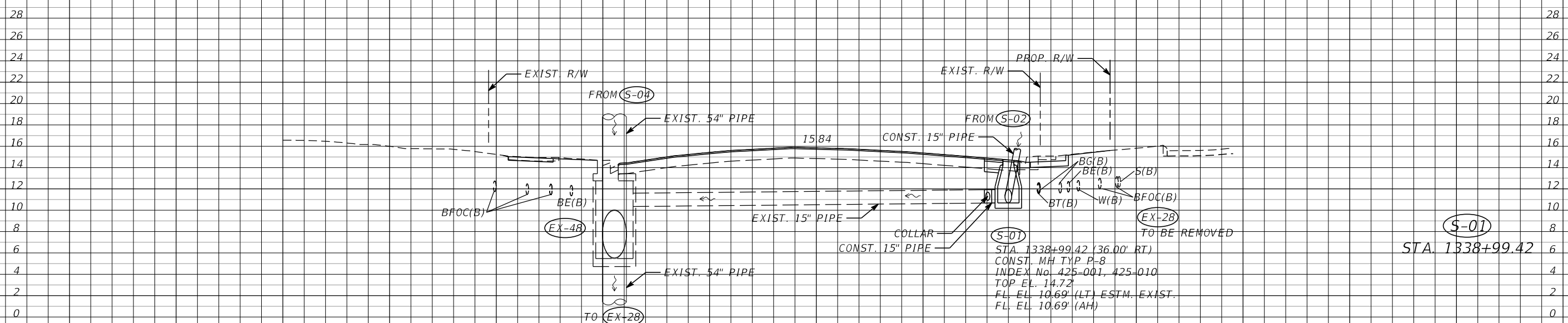
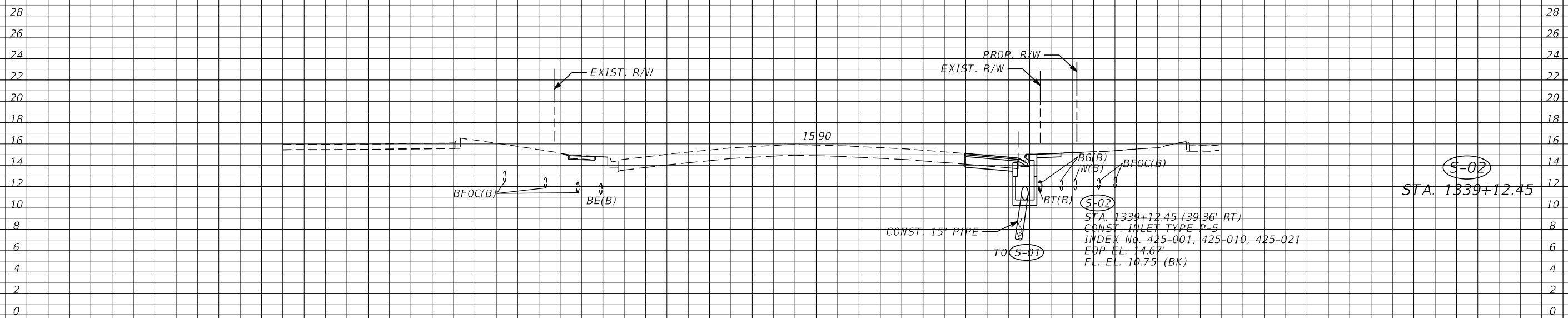
REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>ROADWAY PLANS (34)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		46

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

**NOTES:**

- SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS.
- ALL DRAINAGE PIPES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET SHOWS ALL MATERIALS ALLOWED AND INDICATES WHICH MATERIAL IS PLOTTED IN THE PLANS AND USED AS THE BASIS FOR PAY QUANTITIES.

☒ SURVEY SR 45 (US 41)



☒ SURVEY SR 45 (US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS	
DATE	DESCRIPTION

DAVID M. BOYER, P.E., CFM  
P.E. LICENSE NUMBER 43226  
SCALAR CONSULTING GROUP INC.  
2250 LUCIEN WAY, SUITE 120  
MAITLAND, FL 32751

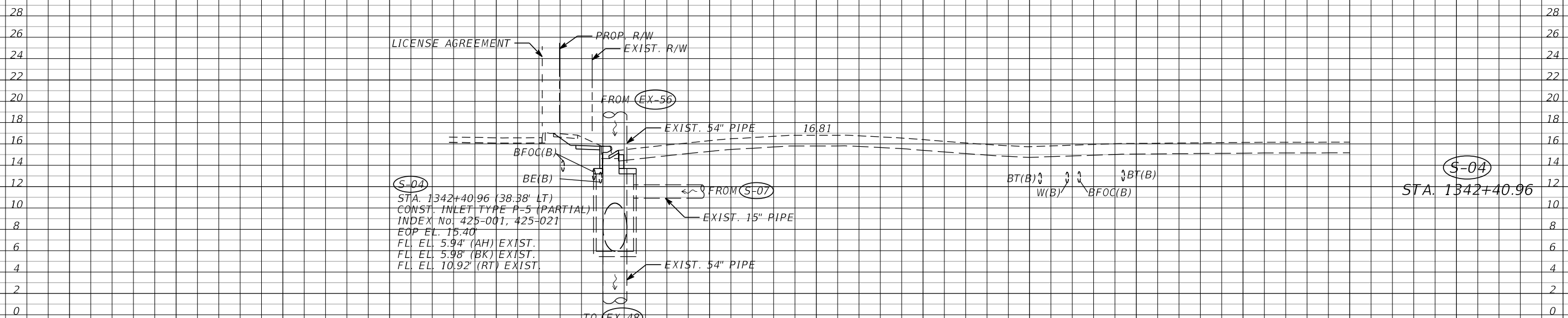
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRAINAGE STRUCTURES (01)**

SHEET NO.
47

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☒ SURVEY SR 45 (US 41)



(S-04)  
 STA. 1342+40.96 (38.38' LT)  
 CONST. INLET TYPE P-5 (PARTIAL)  
 INDEX NO. 425-001, 425-021  
 EOP EL. 15.40  
 FL EL. 5.94' (AH) EXIST.  
 FL EL. 5.98' (BK) EXIST.  
 FL EL. 10.92' (RT) EXIST.

(S-04)  
 STA. 1342+40.96

1" = 20' Horizontal  
 1" = 10' Vertical

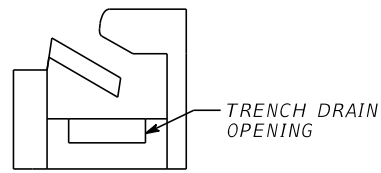
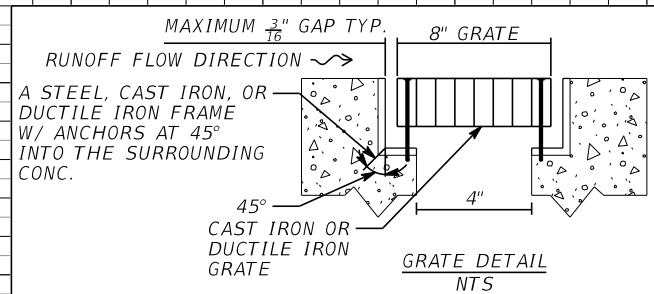
☒ SURVEY SR 45 (US 41)

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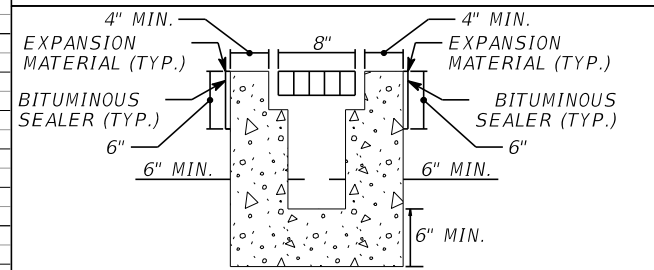
REVISIONS		DATE	DESCRIPTION	DAVID M. BOYER, P.E., CFM P.E. LICENSE NUMBER 43226 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FL 32751	MANATEE COUNTY			SHEET NO.
DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	48

**DRAINAGE STRUCTURES (02)**

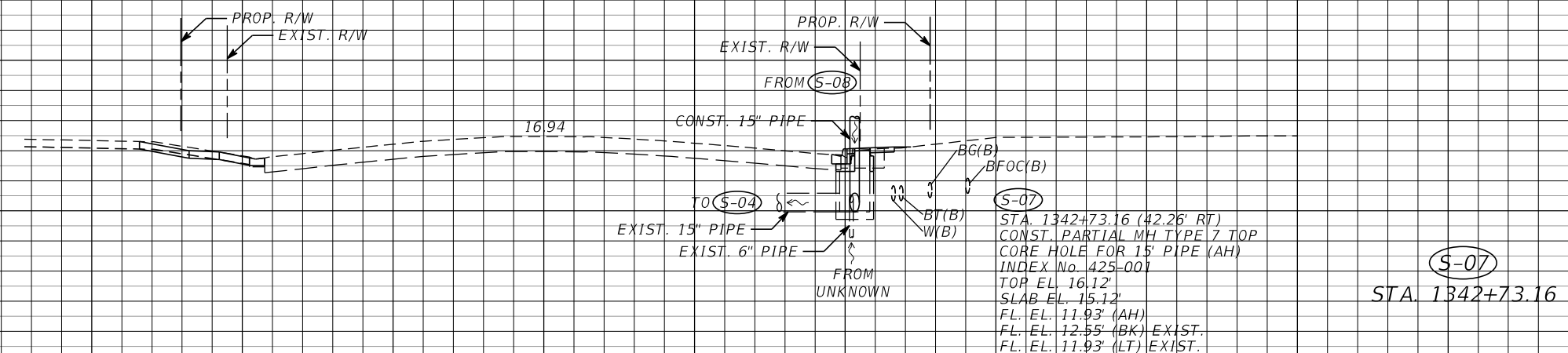
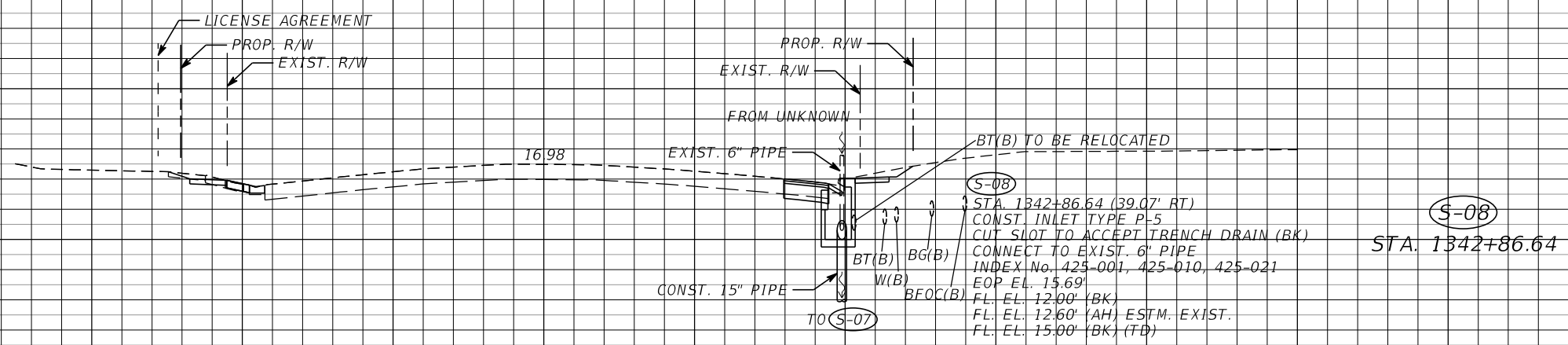
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CROSS SECTION OF TRENCH DRAIN ADJACENT TO CURB/PAVT NTS



SURVEY SR 45 (US 41)



SURVEY SR 45 (US 41)

1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID M. BOYER, P.E., CFM  
 P.E. LICENSE NUMBER 43226  
 SCALAR CONSULTING GROUP INC.  
 2250 LUCIEN WAY, SUITE 120  
 MAITLAND, FL 32751

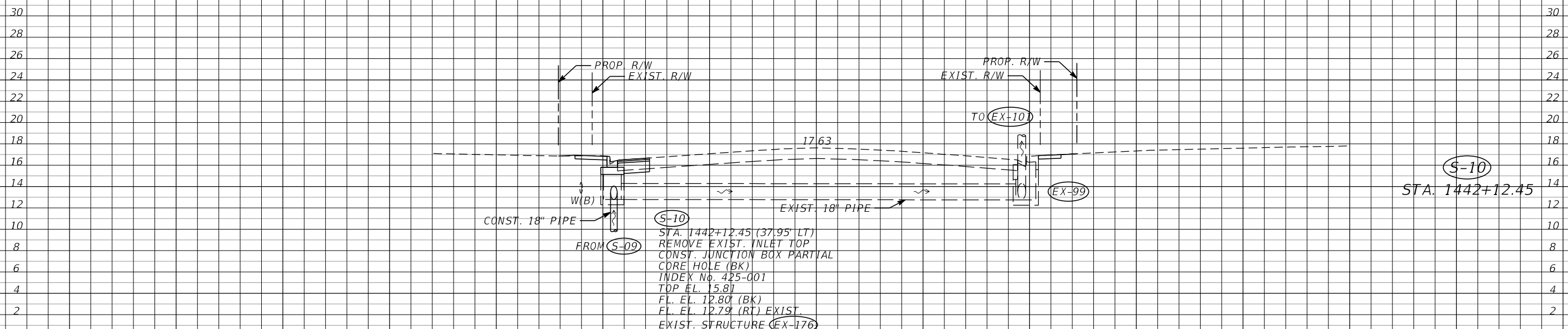
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRAINAGE STRUCTURES (03)**

SHEET NO. 49

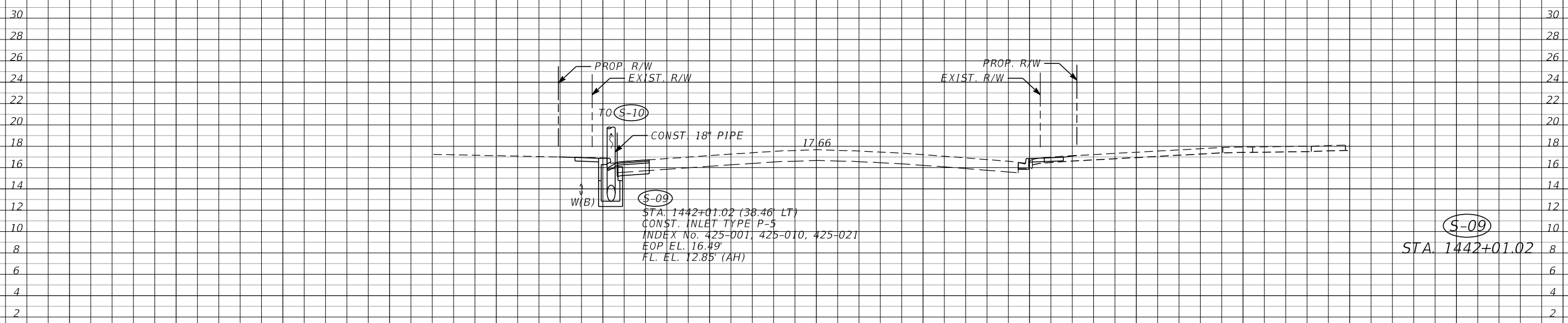
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☺ SURVEY SR 45 (US 41)



**S-10**  
 STA. 1442+12.45 (37.95' LT)  
 REMOVE EXIST. INLET TOP  
 CONST. JUNCTION BOX PARTIAL  
 CORE HOLE (BK)  
 INDEX No. 425-001  
 TOP EL. 15.81  
 FL. EL. 12.80 (BK)  
 FL. EL. 12.79 (RT) EXIST.  
 EXIST. STRUCTURE **EX-176**

**S-10**  
 STA. 1442+12.45



**S-09**  
 STA. 1442+01.02 (38.46' LT)  
 CONST. INLET TYPE P-5  
 INDEX No. 425-001, 425-010, 425-021  
 EOP EL. 16.49  
 FL. EL. 12.85 (AH)

**S-09**  
 STA. 1442+01.02

1" = 20' Horizontal  
 1" = 10' Vertical

☺ SURVEY SR 45 (US 41)

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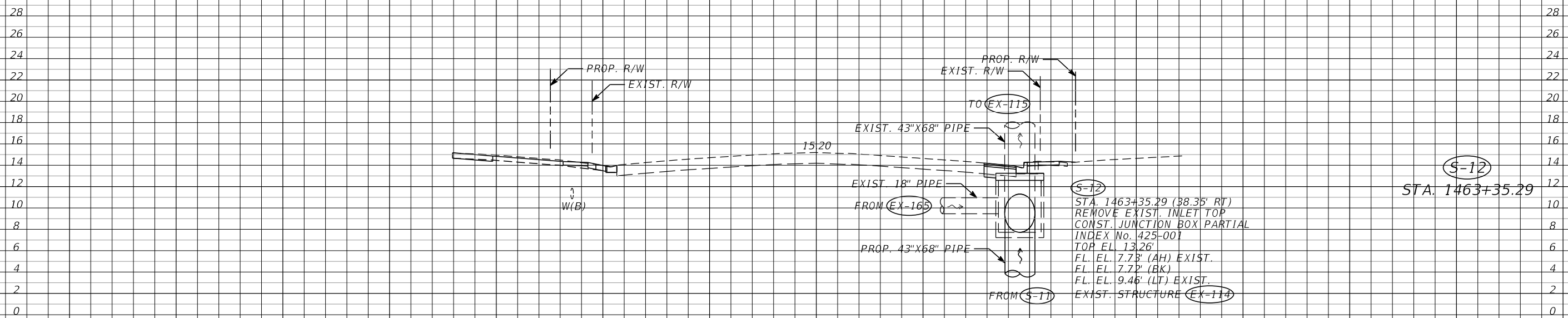
REVISIONS		DATE	DESCRIPTION	DAVID M. BOYER, P.E., CFM P.E. LICENSE NUMBER 43226 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FL 32751	MANATEE COUNTY			SHEET NO.
DATE	DESCRIPTION				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	50

**DRAINAGE STRUCTURES (04)**

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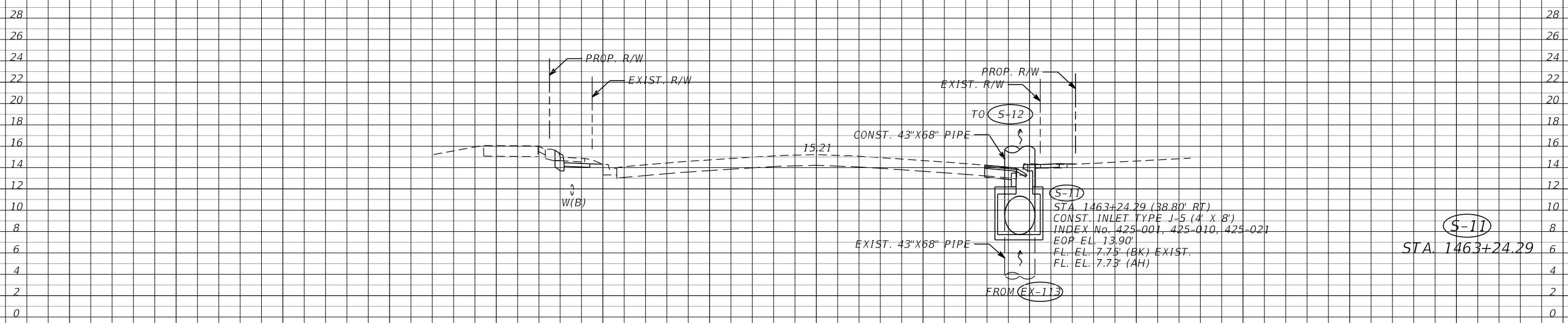


☺ SURVEY SR 45 (US 41)



**S-12**  
 STA. 1463+35.29 (38.35' RT)  
 REMOVE EXIST. INLET TOP  
 CONST. JUNCTION BOX PARTIAL  
 INDEX No. 425-001  
 TOP EL. 13.26'  
 FL. EL. 7.73' (AH) EXIST.  
 FL. EL. 7.72' (BK)  
 FL. EL. 9.46' (LT) EXIST.  
 EXIST. STRUCTURE EX-114

**S-12**  
 STA. 1463+35.29



**S-11**  
 STA. 1463+24.29 (38.80' RT)  
 CONST. INLET TYPE J-5 (4' X 8')  
 INDEX No. 425-001, 425-010, 425-021  
 EOP EL. 13.90'  
 FL. EL. 7.75' (BK) EXIST.  
 FL. EL. 7.73' (AH)

**S-11**  
 STA. 1463+24.29

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1" = 20' Horizontal  
 1" = 10' Vertical

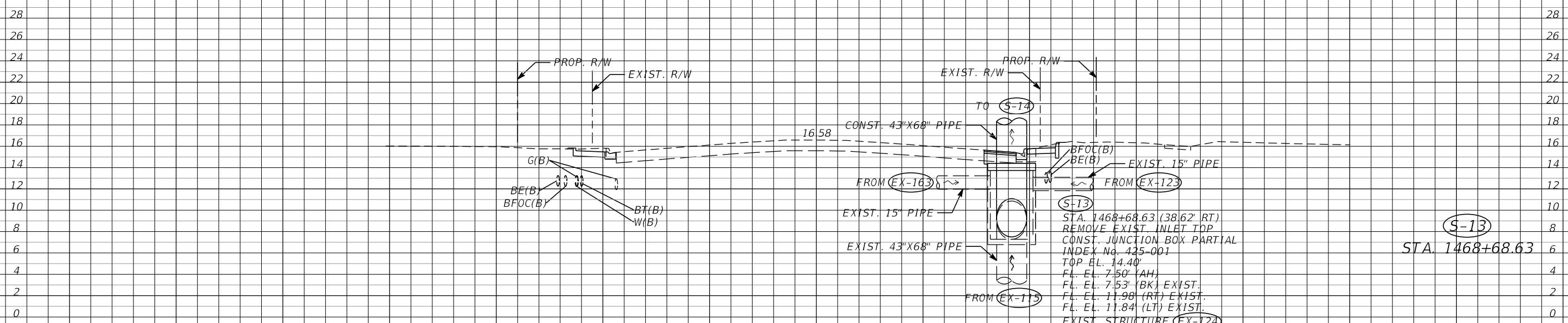
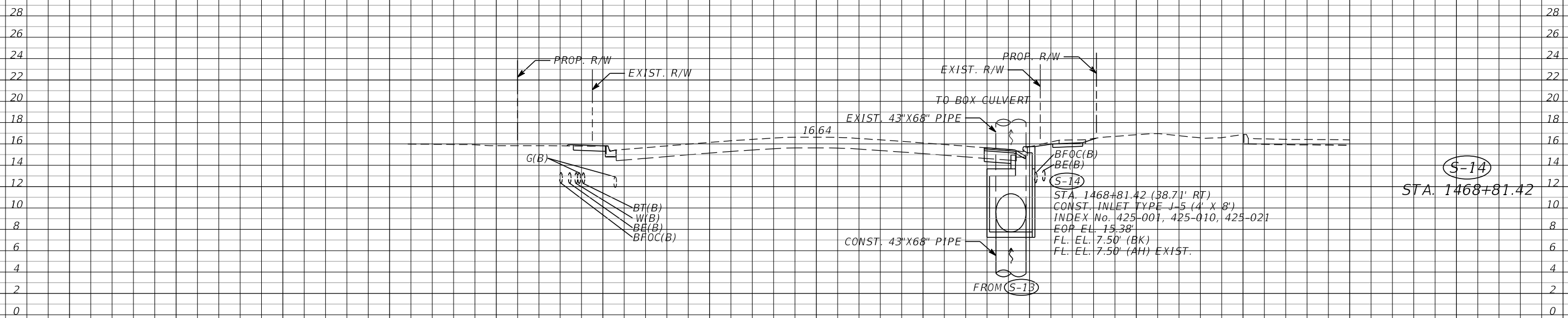
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REVISIONS		DATE		DESCRIPTION	

DAVID M. BOYER, P.E., CFM P.E. LICENSE NUMBER 43226 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FL 32751			<b>MANATEE COUNTY</b>			<b>DRAINAGE STRUCTURES (05)</b>	SHEET NO. <b>51</b>
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01		

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SR SURVEY SR 45 (US 41)



SR SURVEY SR 45 (US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

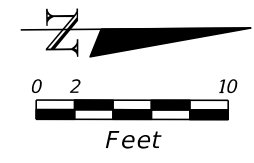
DAVID M. BOYER, P.E., CFM  
P.E. LICENSE NUMBER 43226  
SCALAR CONSULTING GROUP INC.  
2250 LUCIEN WAY, SUITE 120  
MAITLAND, FL 32751

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

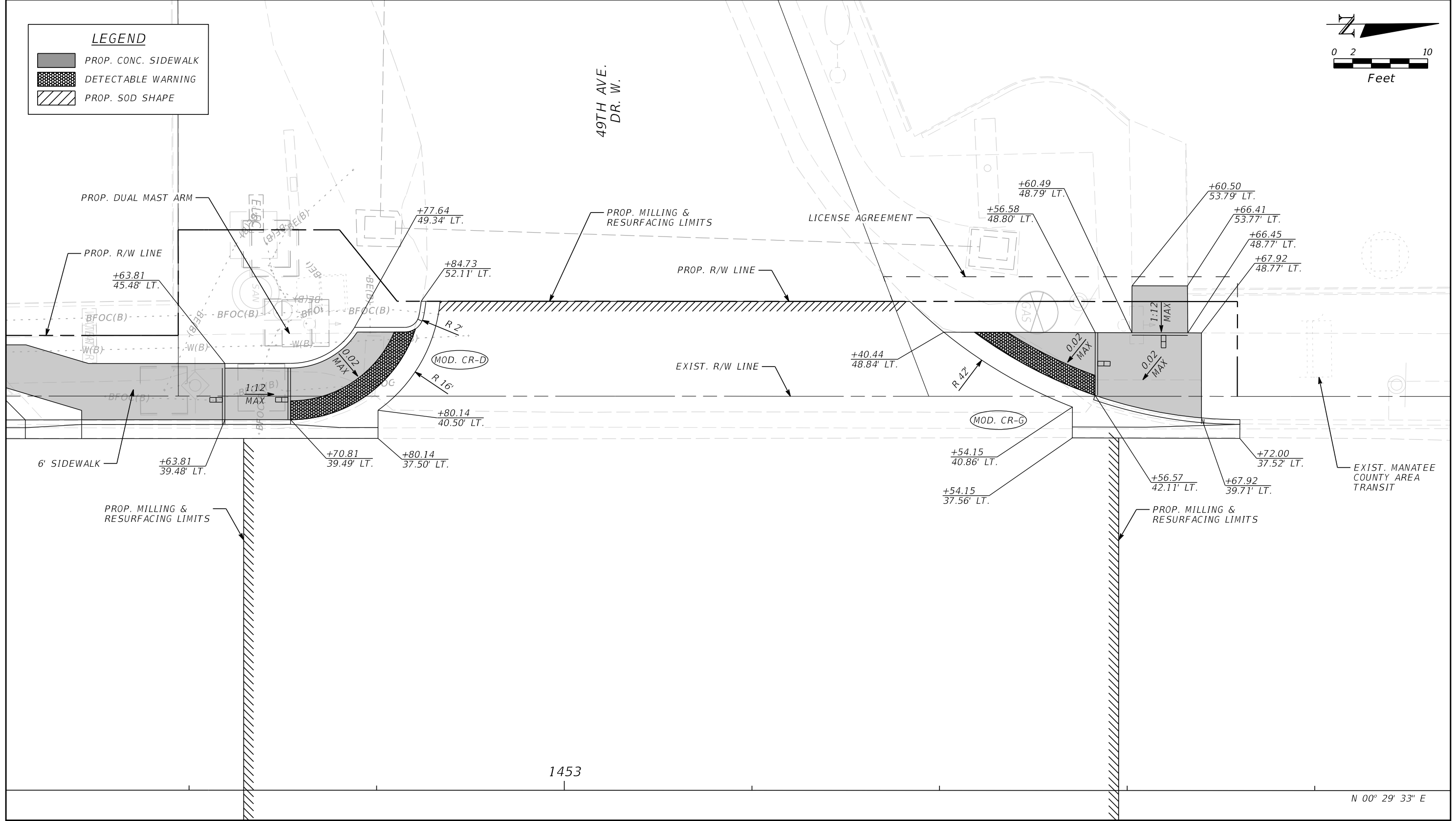
**DRAINAGE STRUCTURES (06)**

SHEET NO.
52

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LEGEND	
	PROP. CONC. SIDEWALK
	DETECTABLE WARNING
	PROP. SOD SHAPE



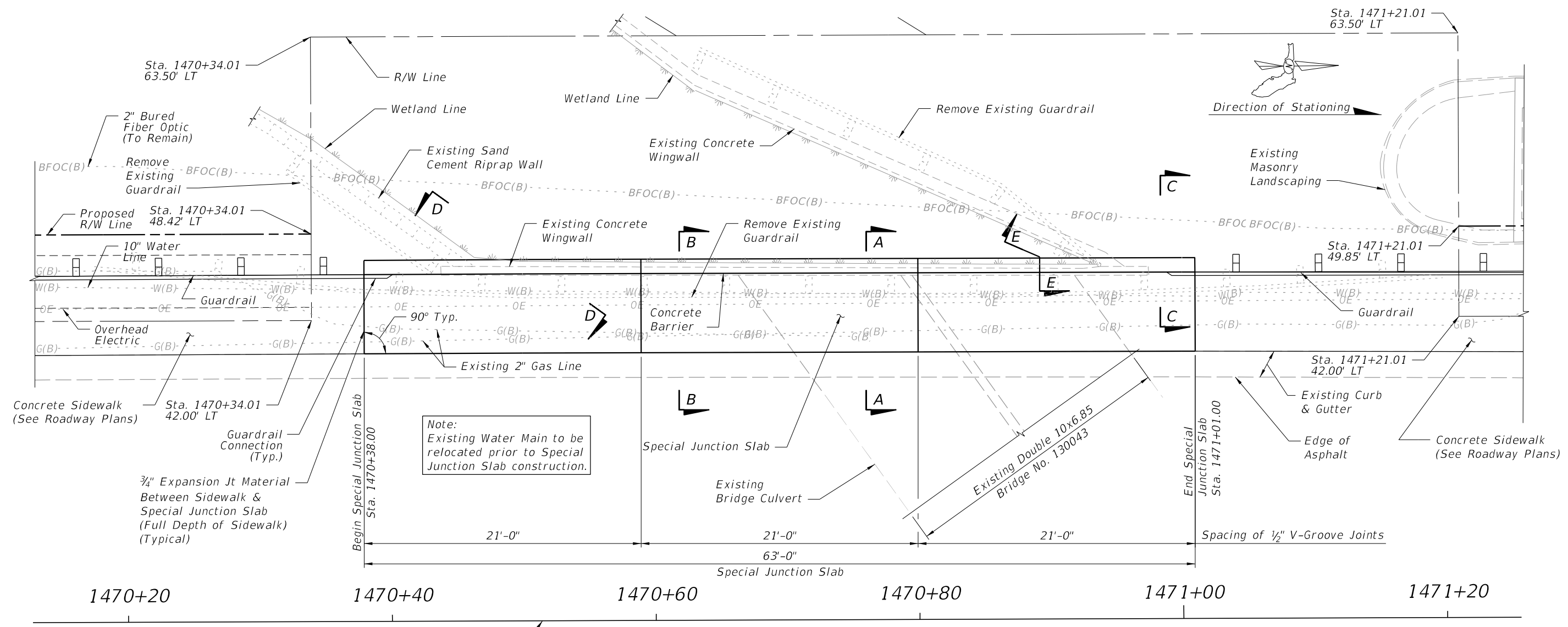
1453

N 00° 29' 33" E

**SPECIAL DETAIL**  
STA. 1453+20 LT.

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>SPECIAL DETAIL</b>	SHEET NO.  53
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	MANATEE	433592-4-58-01			

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PLAN VIEW - SPECIAL JUNCTION SLAB

**DESIGN NOTES**

1. Design Specifications:
  - A. FDOT Florida Design Manual (January 2022)
  - B. FDOT Structures Design Guidelines (January 2022)
  - C. AASHTO LRFD Bridge Design Specifications (9th Edition, 2020)
  - D. AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges (2009 Edition with Interim Revisions through 2015)
2. Design Methodology: Load and Resistance Factor Design (LRFD) using strength and service limit states.
3. Design Loading:
 

A. Live Load:	75 psf Pedestrian Load
B. Impact Load:	10 kips Lateral Load
C. Dead Loads:	
1) Traffic Railing:	385 plf
2) Aluminum Bullet Railing:	10 plf
3) Reinforced Concrete:	150 pcf
4) Soil:	120 pcf
4. Environmental Classification: Extremely aggressive

**CONSTRUCTION NOTES**

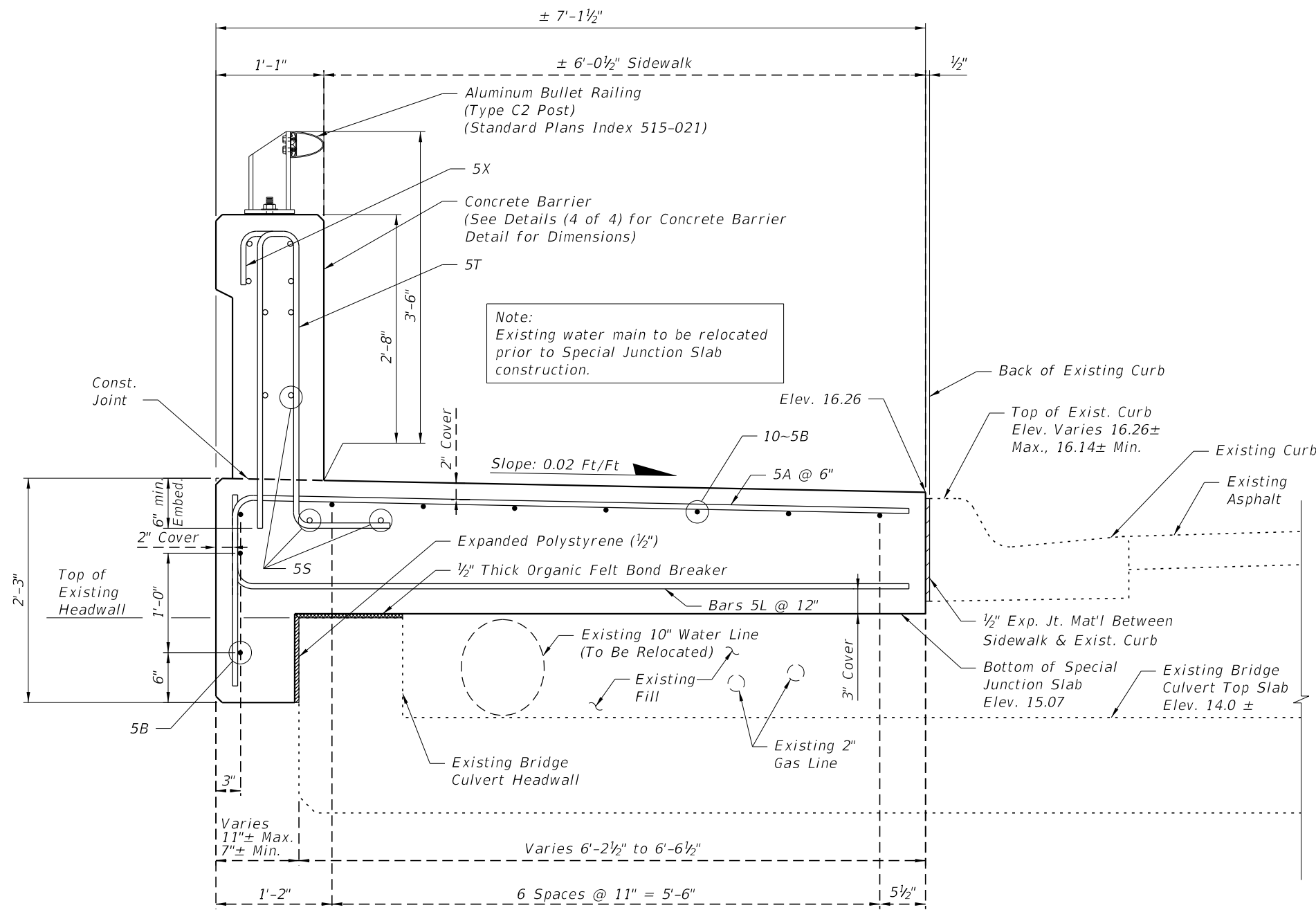
1. Construction shall be in accordance with FDOT Standard Specifications for road and bridge construction, July 2022.
2. The dimensions, elevations, and intersecting angles of the existing box culvert and walls are based upon the information in the original construction plans and may not accurately represent as-built conditions. Field verify existing dimensions, elevations, and conditions prior to commencing any demolition or construction activities and notify the Engineer of all discrepancies.
3. Concrete:
 

A. Junction Slab & Coping:	FDOT Class IV (Bridge Deck) (f'c = 5.5 ksi @ 28-days)
B. Concrete Barrier:	FDOT Class IV (f'c = 5.5 ksi @ 28-days)
4. Concrete Cover (Junction Slab & Coping): 2" Unless Otherwise Noted
5. Reinforcing Steel: Carbon Steel Bars per Specification 931.
6. Construct 1/2" V-Grooves in Junction Slab and Coping as shown on Special Junction Slab Details (4 of 4). V-Grooves and face of Coping shall be plumb.
7. No expansion joints are permitted within the Special Junction Slab.
8. Surface Finish:
 

A. Junction Slab:	Finish Surface Per Specification Section 522
B. Concrete Barrier (Exposed Faces):	Class 2 Finish
C. Coping (Exposed Faces):	Class 2 Finish
9. Provide 3/4" chamfers on all exposed concrete edges unless otherwise noted.
10. All dimensions are measured in feet either horizontally or vertically unless otherwise noted.
11. Expansion Joint Filler shall comply with Specification Section 932.
12. Disposal of removed materials, including guardrail, shall be in accordance with the specifications with no additional cost to the department.
13. Contractor is to exercise extreme caution when working around gas mains.

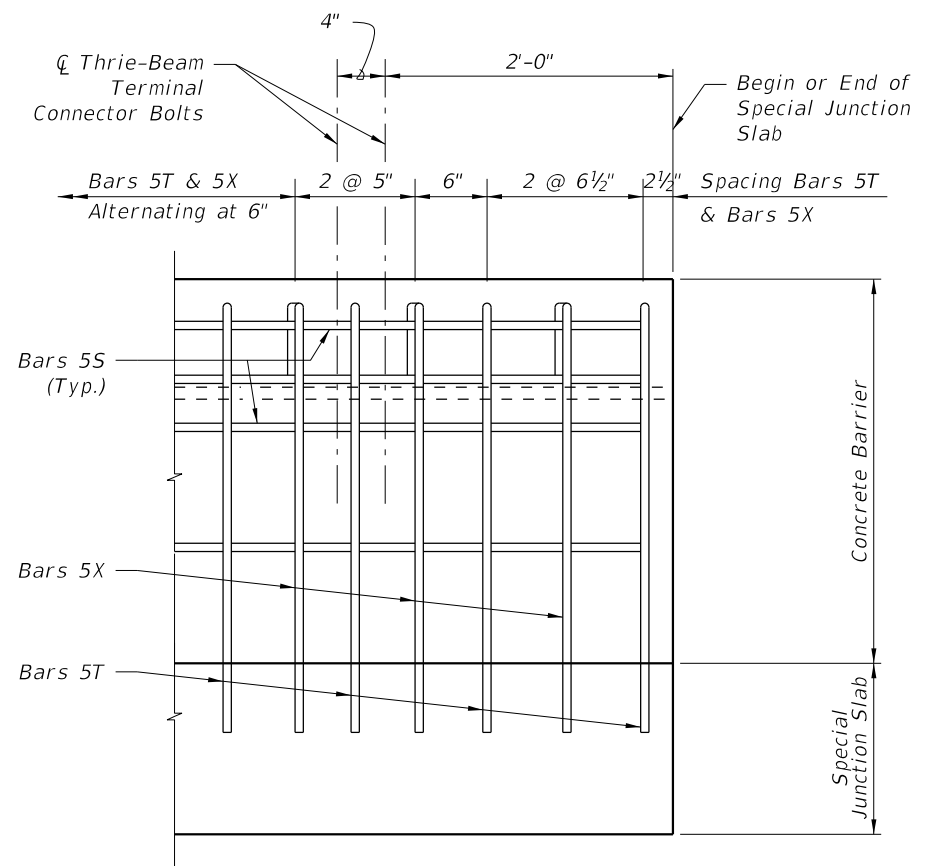
REVISIONS				PREDRAG MILOSAVLJEVIC, P.E. P.E. LICENSE NUMBER 54961 SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY, SUITE 200 WEST PALM BEACH, FL 33407	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SPECIAL JUNCTION SLAB PLAN &amp; NOTES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		54
					SR 45	MANATEE	433592-4-58-01		

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 Checked By : HNS 07-22  
 Designed By : PZM 07-22  
 Checked By : HNS 07-22



**SPECIAL JUNCTION SLAB DETAIL**

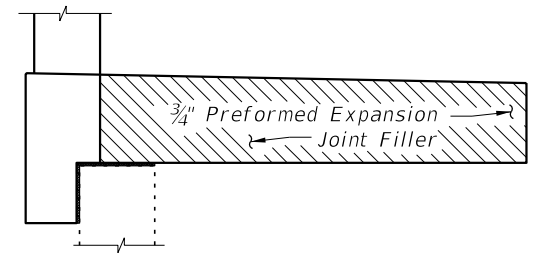
Shown at Box Culvert,  
Detail at Wingwall Similar



**END TRANSITION ELEVATION - CONCRETE BARRIER**

(Guardrail Not Shown)  
(Special Junction Slab Reinforcing Not Shown)

- NOTES:
1. Work this sheet with FDOT Index 521-620 except as modified on this sheet.
  2. Cast Special Junction Slab monolithically. Longitudinal construction joints are not permitted.
  3. Utility locations are approximate. Field Verify.
  4. After removal of guardrail, fill holes and repair spalls using epoxy material from FDOT apl.
  5. Compact soil beneath the slab in accordance with section 455 of the specifications.



**DETAIL "1"**

(Preformed Expansion Joint Filler Material)

ESTIMATED QUANTITIES FOR SPECIAL JUNCTION SLAB		
ITEM	UNIT	QUANTITY
Concrete	CY/LF	0.360
Reinforcing Steel (Typical) excluding Bars 5T, 5X and 5S (Typ.)	LB/LF	54.15

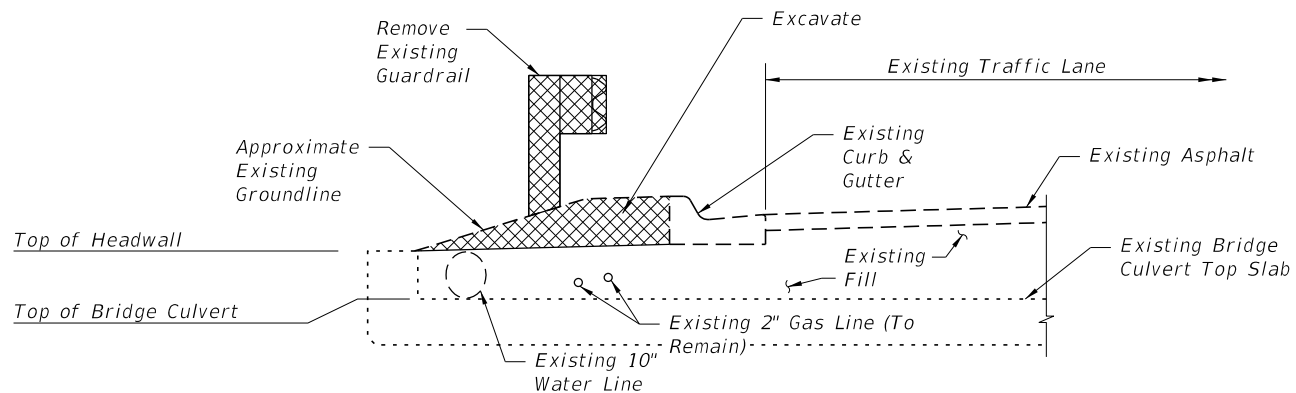
Note:  
Estimated Reinforcing Steel Quantity excludes Lap Splices

ESTIMATED QUANTITIES FOR CONCRETE BARRIER		
ITEM	UNIT	QUANTITY
Concrete	CY/LF	0.095
Reinforcing Steel	LB/LF	23.38

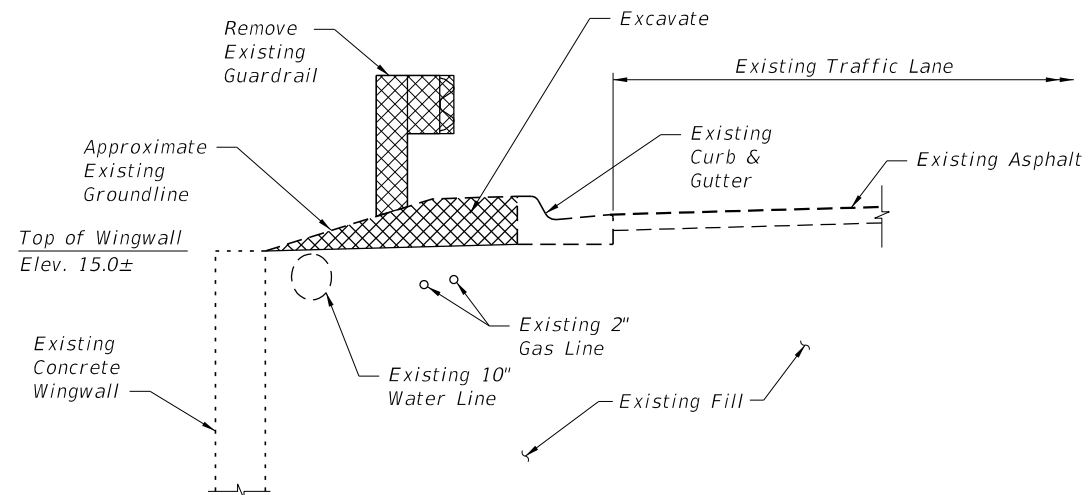
Note:  
Estimated Reinforcing Steel Quantity excludes Lap Splices

REVISIONS				PREDRAG MILOSAVLJEVIC, P.E. P.E. LICENSE NUMBER 54961 SCALAR CONSULTING GROUP INC. 5713 CORPORATE WAY, SUITE 200 WEST PALM BEACH, FL 33407	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SPECIAL JUNCTION SLAB          DETAILS (1 OF 4)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	MANATEE		433592-4-58-01

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 Checked By : HNS 07-22



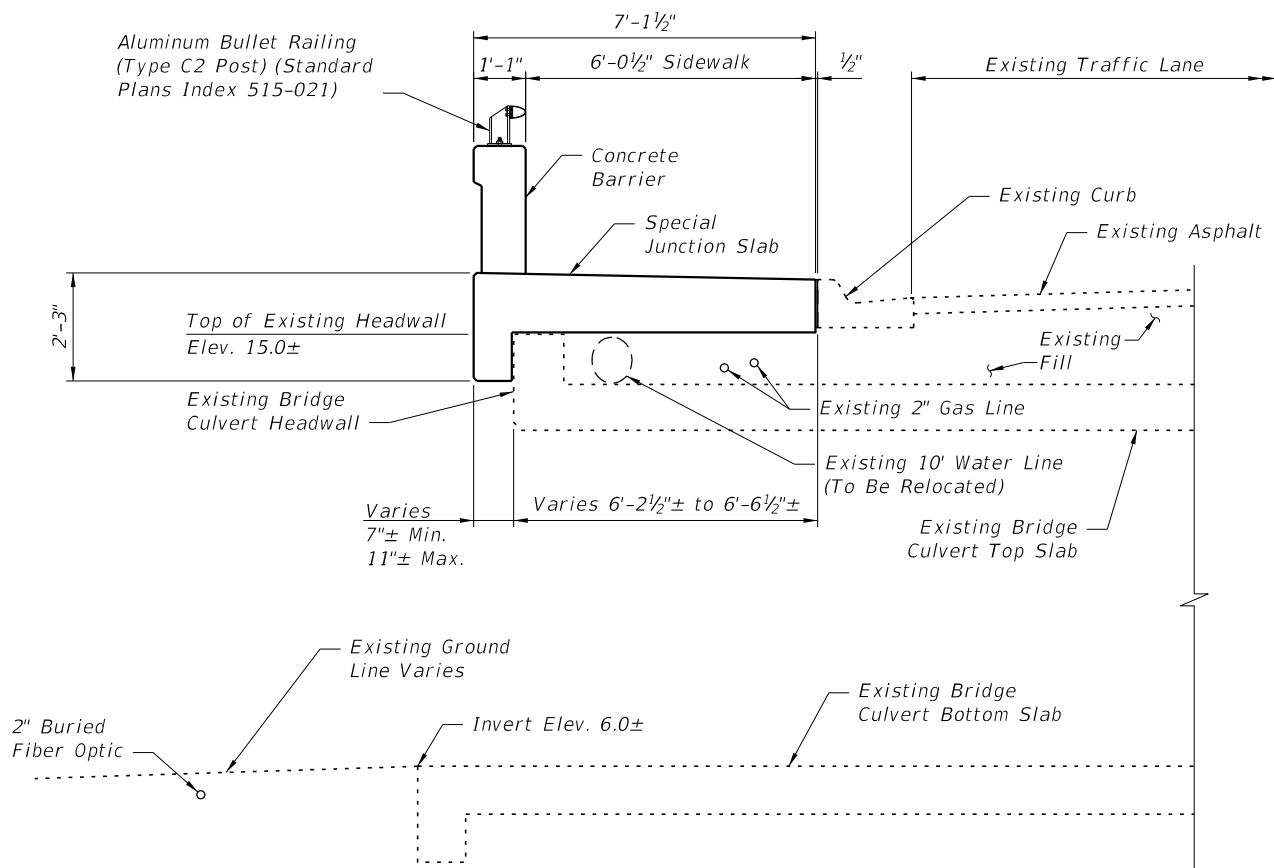
**SECTION A-A**  
Demolition



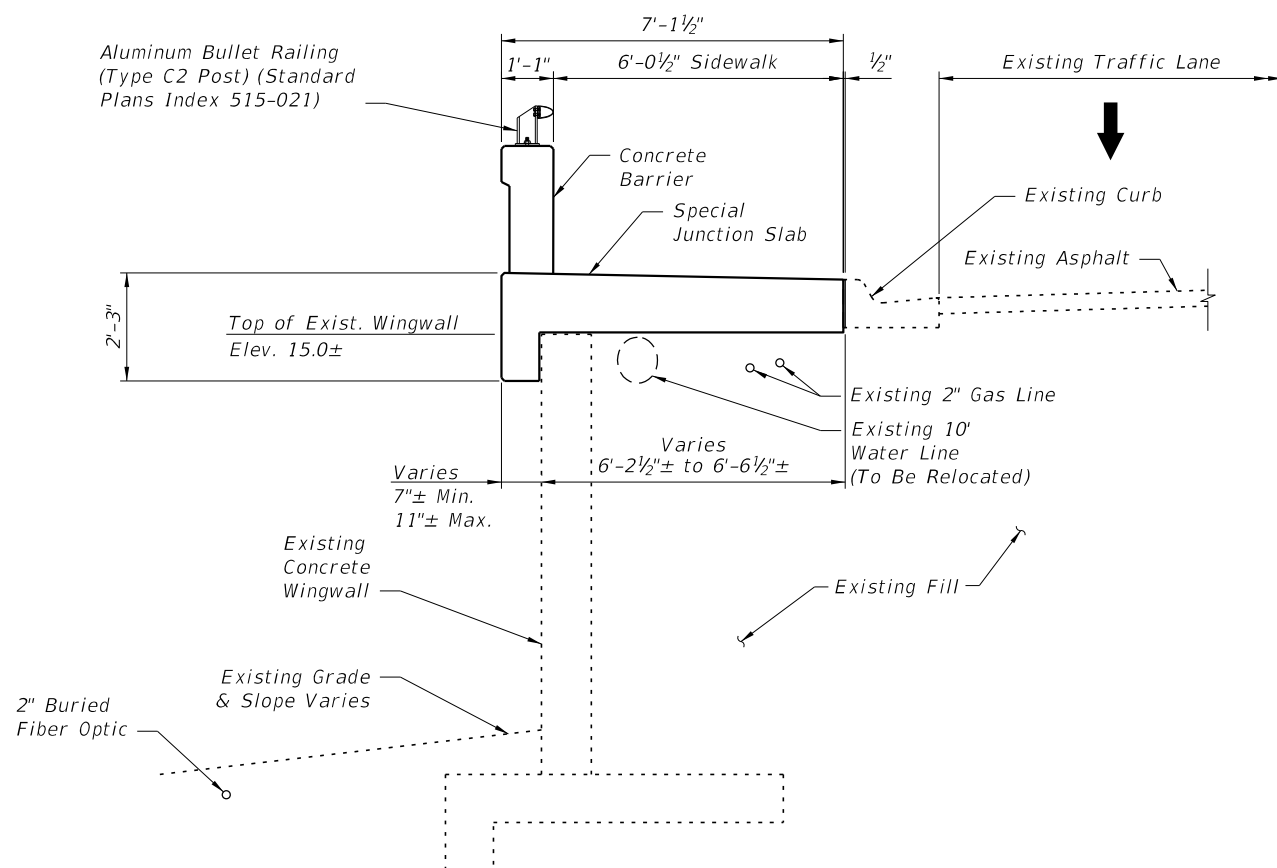
**SECTION B-B**  
Demolition

Note:  
Existing water main to be relocated prior to Special Junction Slab construction.

Note:  
Utility locations are approximate. Field Verify.



**SECTION A-A**  
Proposed



**SECTION B-B**  
Proposed

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

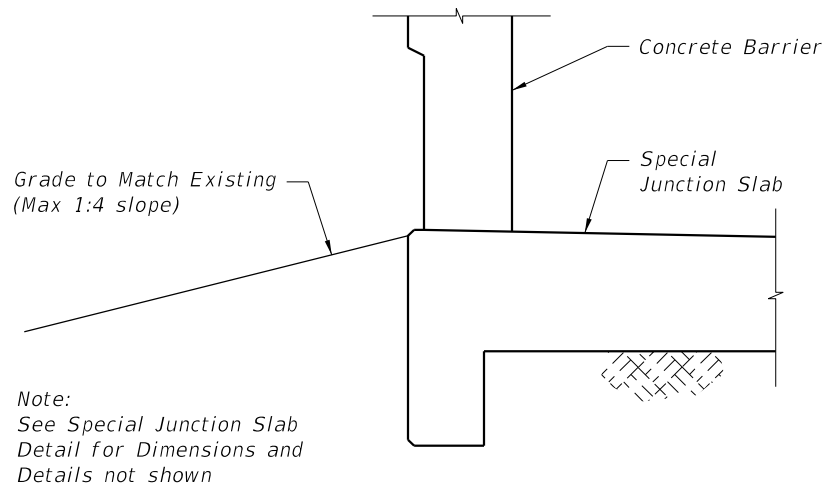
PREDRAG MILOSAVLJEVIC, P.E.  
P.E. LICENSE NUMBER 54961  
SCALAR CONSULTING GROUP INC.  
5713 CORPORATE WAY, SUITE 200  
WEST PALM BEACH, FL 33407

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**SPECIAL JUNCTION SLAB  
DETAILS (2 OF 4)**

SHEET NO.
56

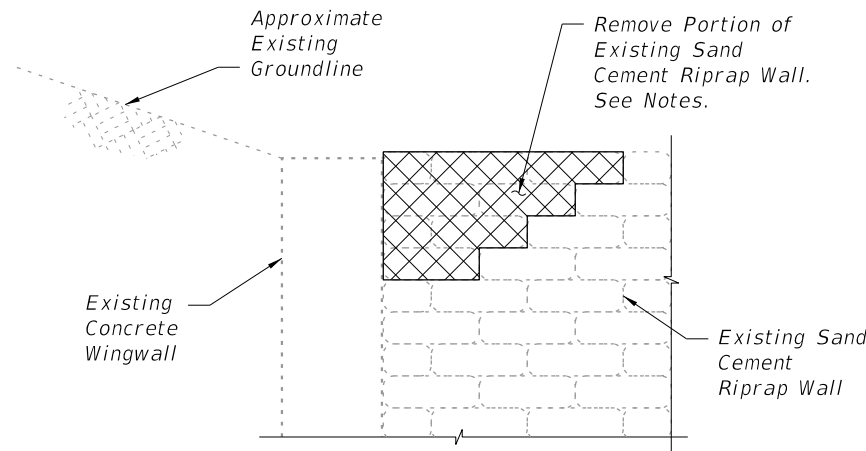
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Designed By : PZM 07-22  
Checked By : HNS 07-22  
Drawn By : TAS 07-22  
Checked By : HNS 07-22



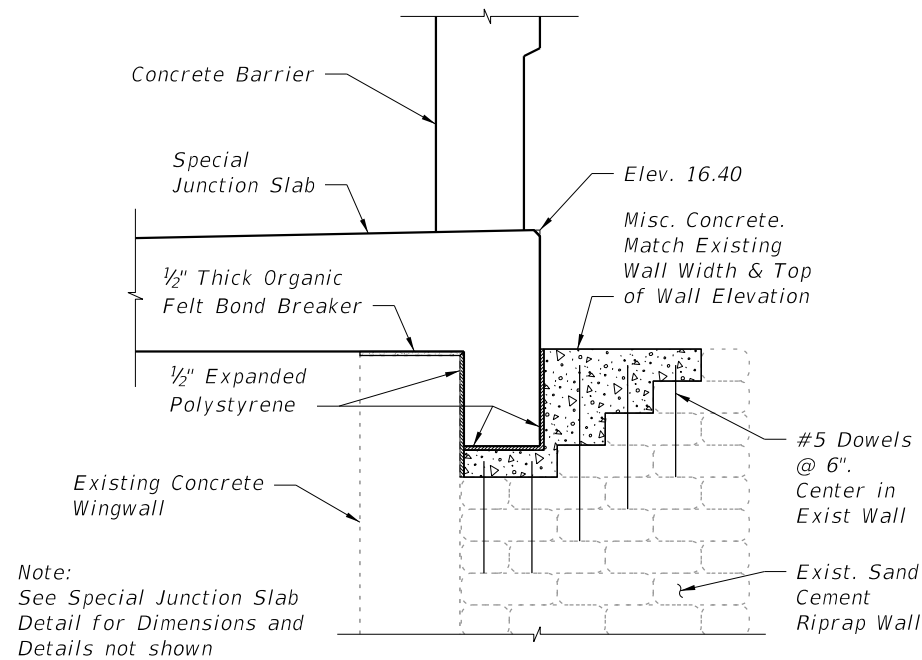
**SECTION C-C**

**Notes:**

1. Remove portion of existing sand cement as indicated to accommodate construction of the Special Junction Slab. Remove entire bags, do not cut and leave partial bags. Limit removal to only that required to construct the Special Junction Slab.
2. Set #5 dowels in Type HV Adhesive in field drilled holes. #5 dowels shall be embedded a minimum of 12" into the existing sand cement riprap wall.
3. Place new wall concrete to one-half inch from the side and below the bottom of the Special Junction Slab.



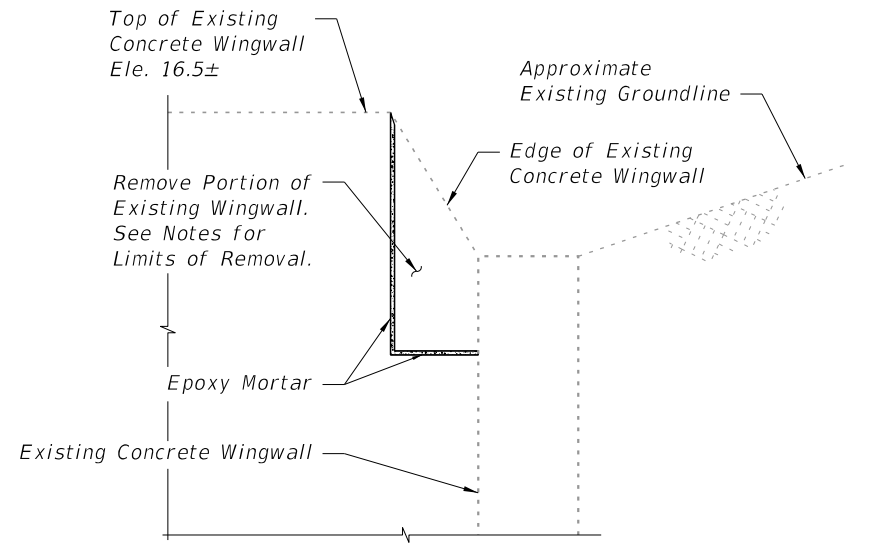
**SECTION D-D  
DEMOLITION**



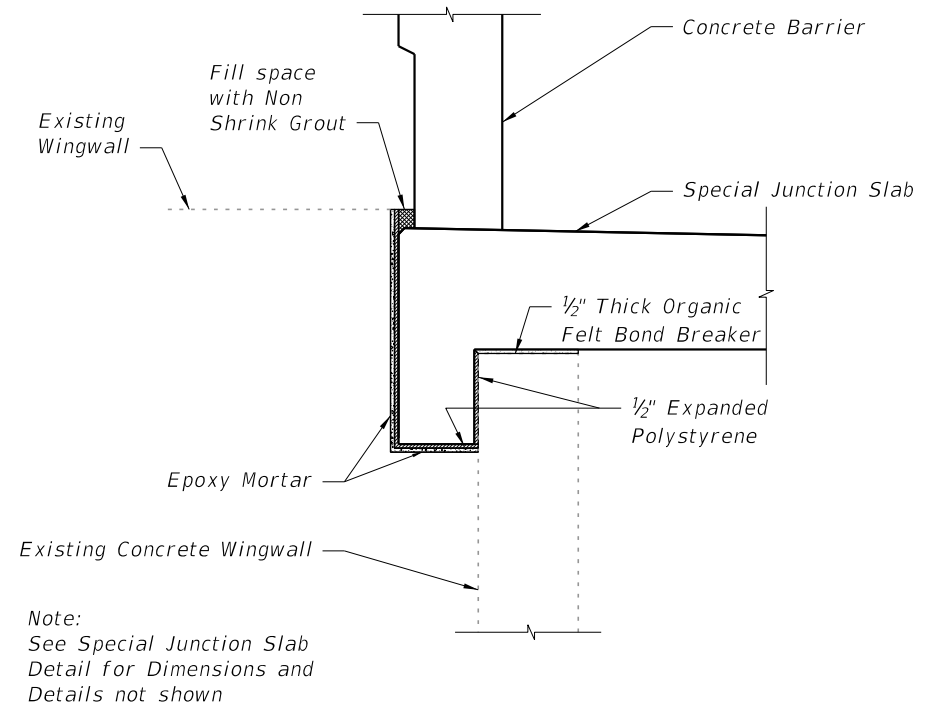
**SECTION D-D  
PROPOSED CONSTRUCTION**

**Notes:**

1. Remove portion of existing concrete wingwall to 1" inch minimum from the side and below the bottom of Special Junction Slab Coping by sawcutting 1" minimum deep and chipping as required.
2. Burn back reinforcing steel to 1" minimum below surface of concrete.
3. Build out wall to one-half inch from the side and below the bottom of Special Junction Slab Coping with Epoxy Mortar.



**SECTION E-E  
DEMOLITION**



**SECTION E-E  
PROPOSED CONSTRUCTION**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PREDRAG MILOSAVLJEVIC, P.E.  
P.E. LICENSE NUMBER 54961  
SCALAR CONSULTING GROUP INC.  
5713 CORPORATE WAY, SUITE 200  
WEST PALM BEACH, FL 33407

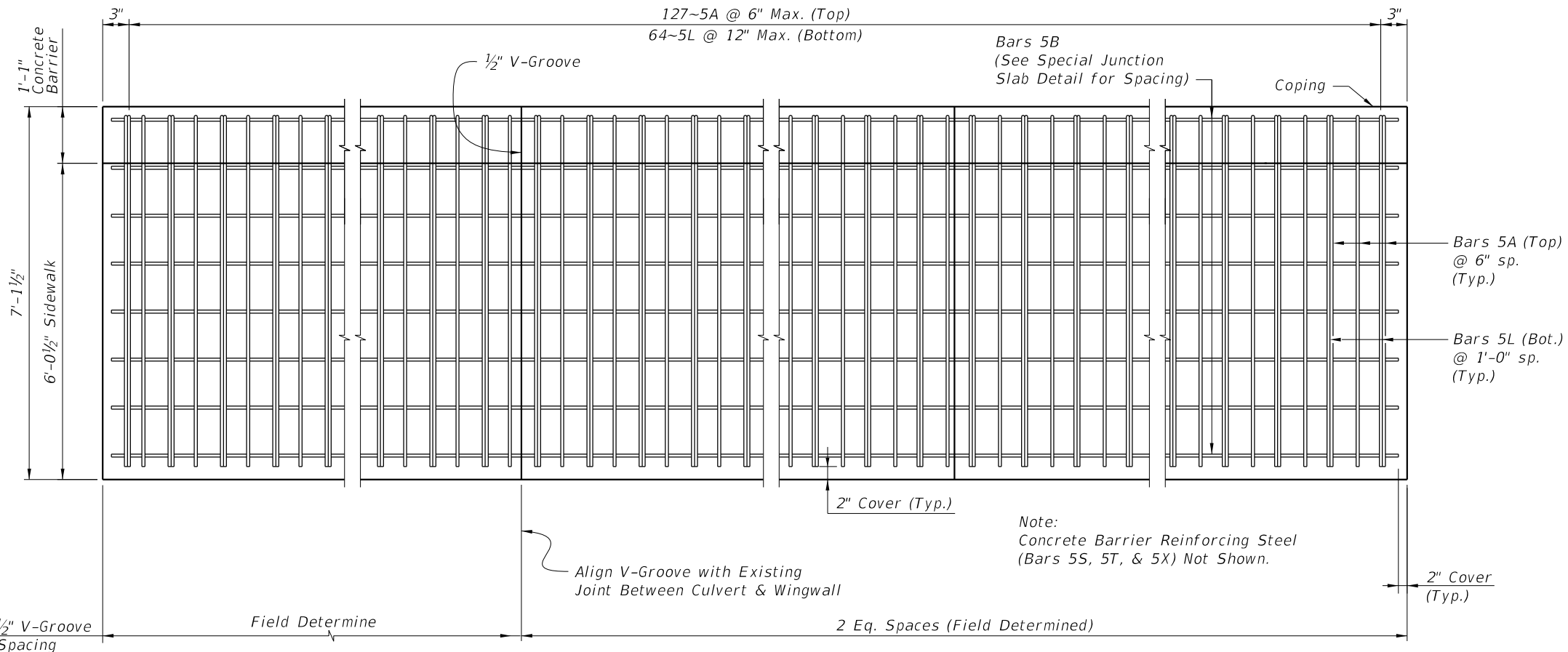
STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

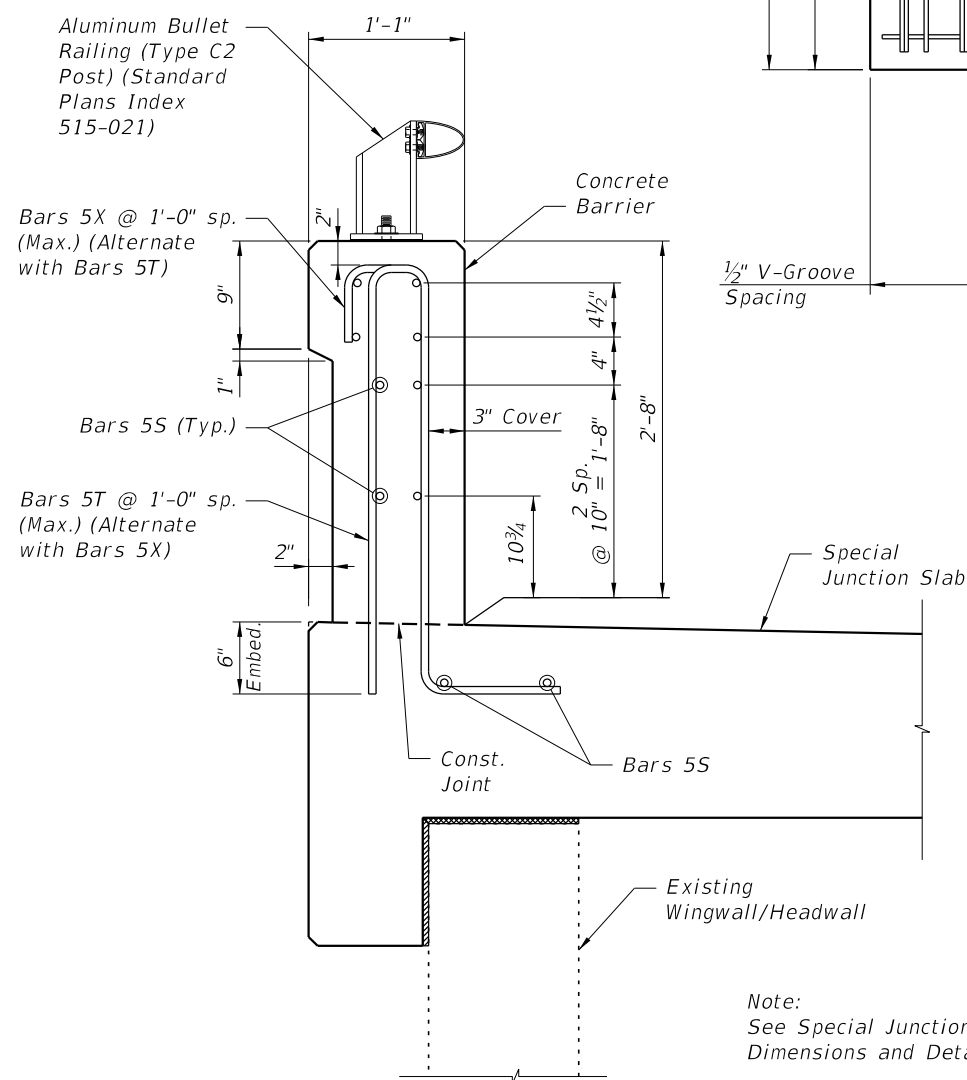
**SPECIAL JUNCTION SLAB  
DETAILS (3 OF 4)**

SHEET NO.

57



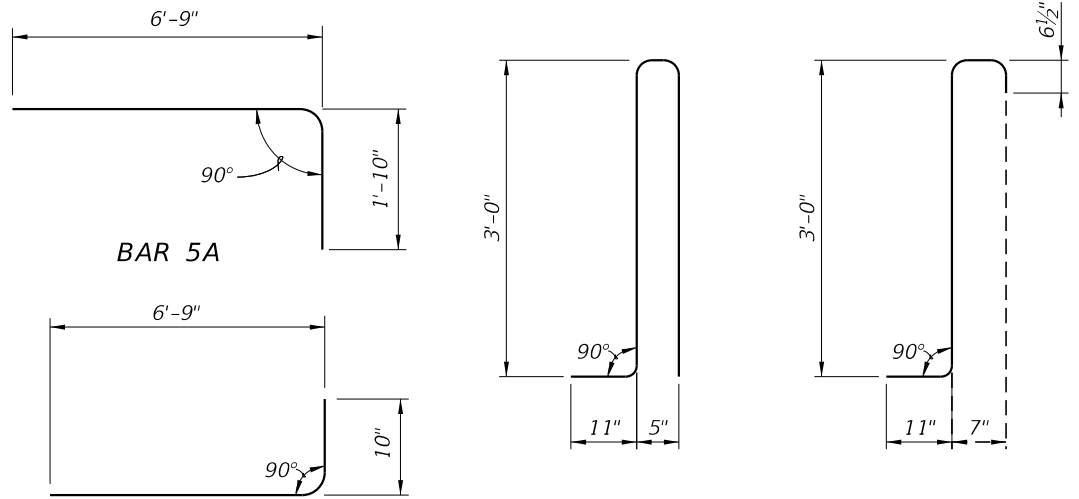
PLAN VIEW OF SPECIAL JUNCTION SLAB REINFORCING



CONCRETE BARRIER DETAIL

BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
A	5	8'-7"
B	5	AS REQD.
L	5	7'-7"
T	5	7'-4"
X	5	5'-1"

REINFORCING STEEL NOTES:  
 1. All bar dimensions in the bending diagrams are out to out.  
 2. All reinforcing steel at expansion joints will have a 2" minimum cover.  
 3. Lap splices for Bars 5B and 5S shall be a minimum of 2'-2".



BAR 5L STIRRUP BAR 5T STIRRUP BAR 5X

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

PREDRAG MILOSAVLJEVIC, P.E.  
 P.E. LICENSE NUMBER 54961  
 SCALAR CONSULTING GROUP INC.  
 5713 CORPORATE WAY, SUITE 200  
 WEST PALM BEACH, FL 33407

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

SPECIAL JUNCTION SLAB  
 DETAILS (4 OF 4)

SHEET NO.  
58

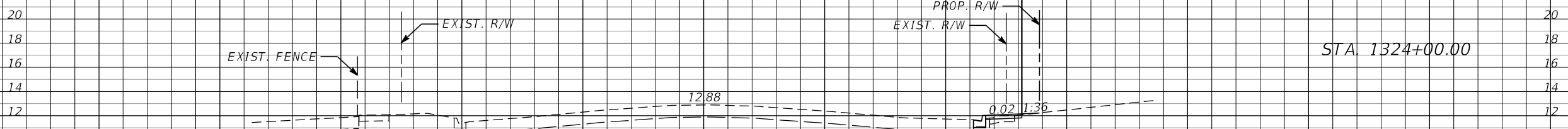
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 Drawn By : TAS 07-22  
 Checked By : HNS 07-22  
 Designed By : PZM 07-22  
 Checked By : HNS 07-22



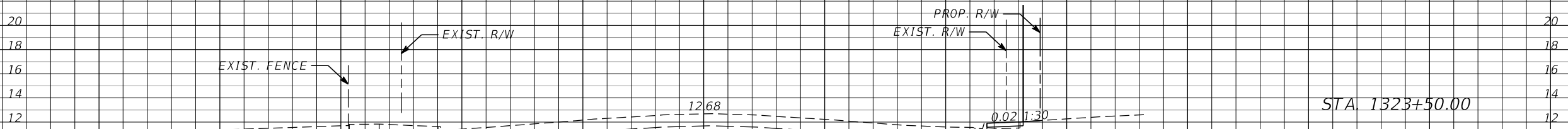
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

A V A V



0.42	0.6	2.0	2.6
------	-----	-----	-----



0.2	0.2	0.9	0.8
-----	-----	-----	-----

BEGIN PROJECT  
STA. 1323+33.12

BEGIN EARTHWORK  
STA. 1323+30.68

BEGIN CONSTRUCTION  
STA. 1322+24.00

0	0.0	0	0.0
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1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (01)**

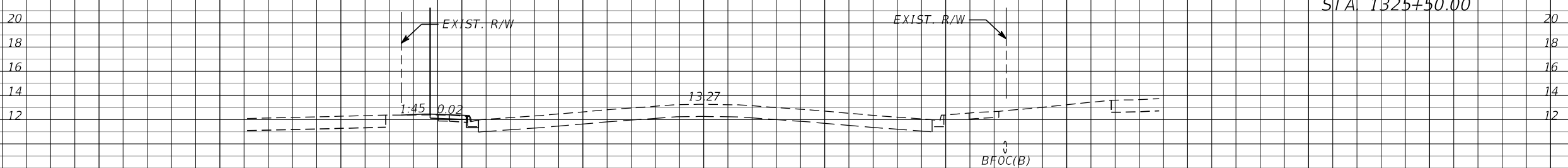
SHEET NO.  
59

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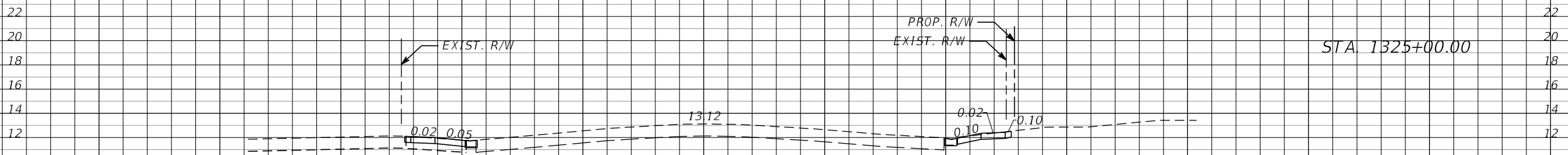
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

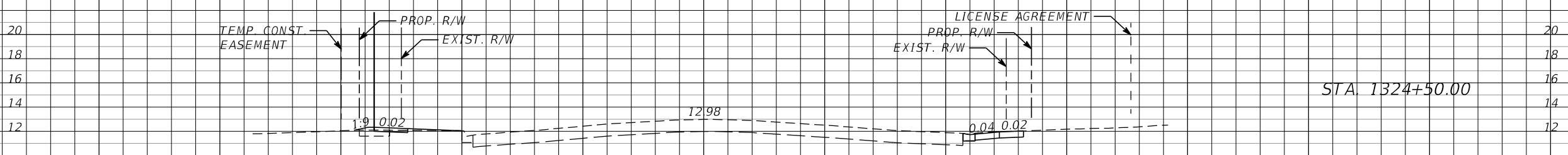
A V A V



0.6	4.6	1.2	6.0
-----	-----	-----	-----



4.4	8.6	5.3	8.0
-----	-----	-----	-----



4.9	4.9	3.4	5.0
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

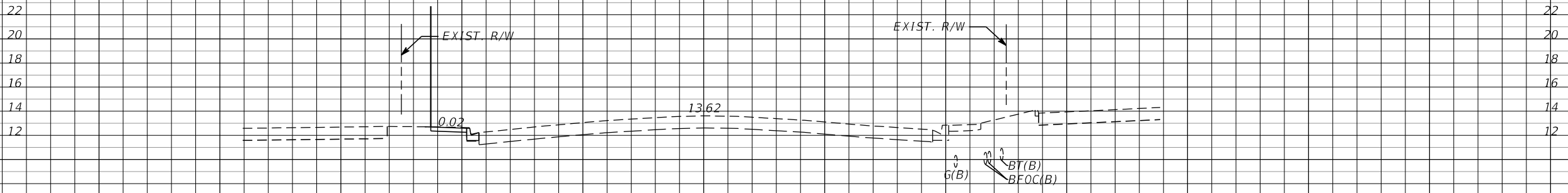
DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION		JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			MANATEE COUNTY ROAD NO. COUNTY FINANCIAL PROJECT ID SR 45 MANATEE 433592-4-58-01			SHEET NO. 60	
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CROSS SECTIONS (02)

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

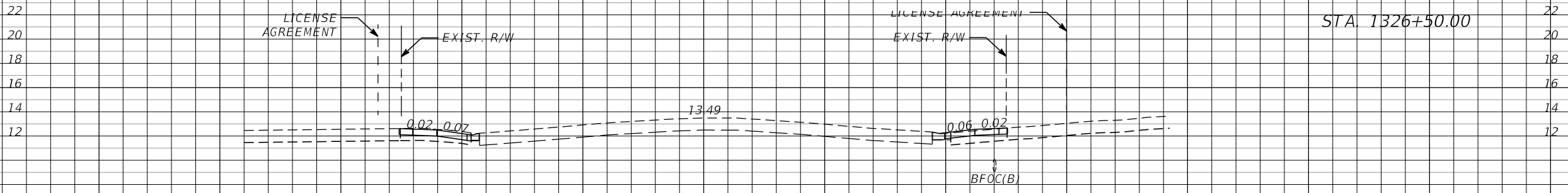
← SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V



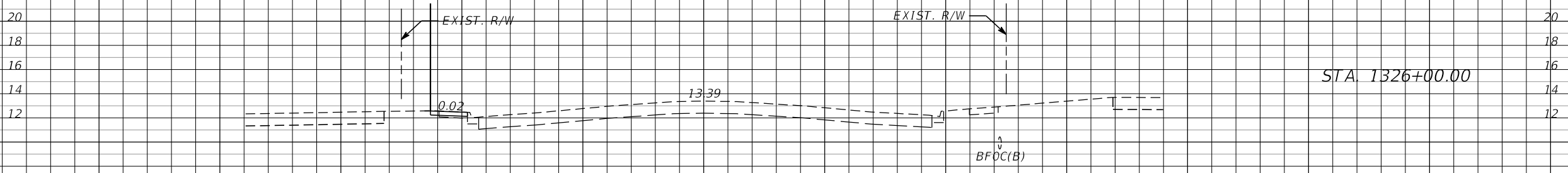
STA 1327+00.00

2.2 2.0 0.1 9.6



STA 1326+50.00

0.0 0.5 10.2 10.1



STA 1326+00.00

0.5 1.0 0.7 1.8

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (03)**

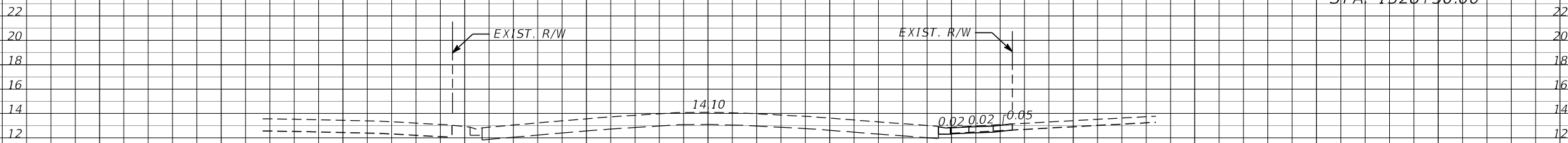
SHEET NO.  
61

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

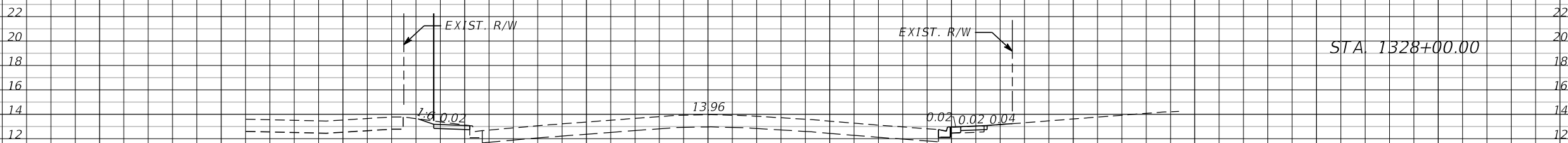
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

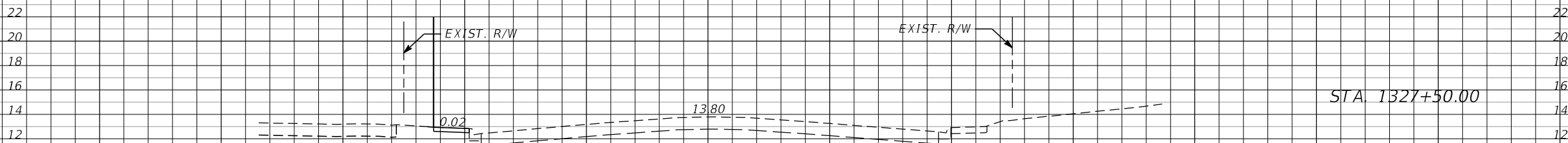
A V A V



2.3 5.3 3.7 4.1



3.3 4.9 0.8 0.7



2.0 3.9 0.0 0.1

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

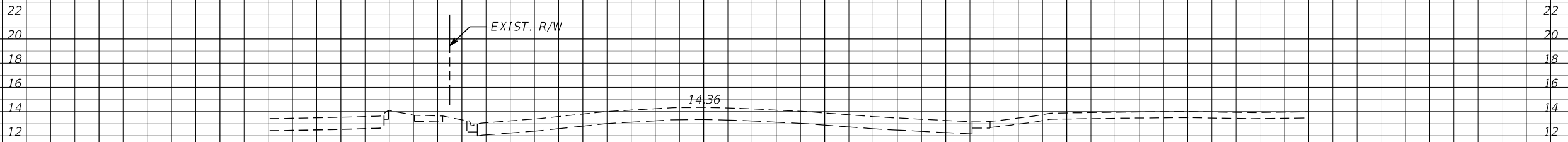
**CROSS SECTIONS (04)**

SHEET NO.  
62

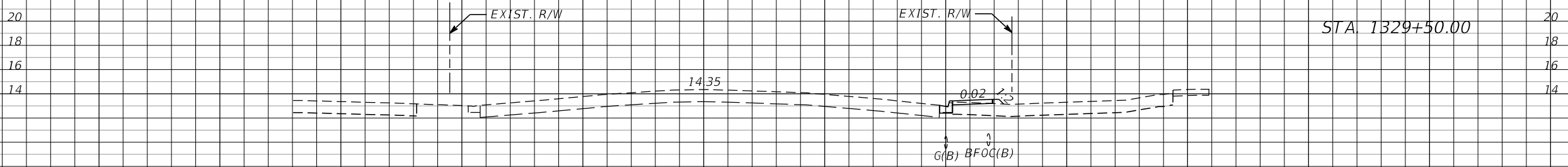
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

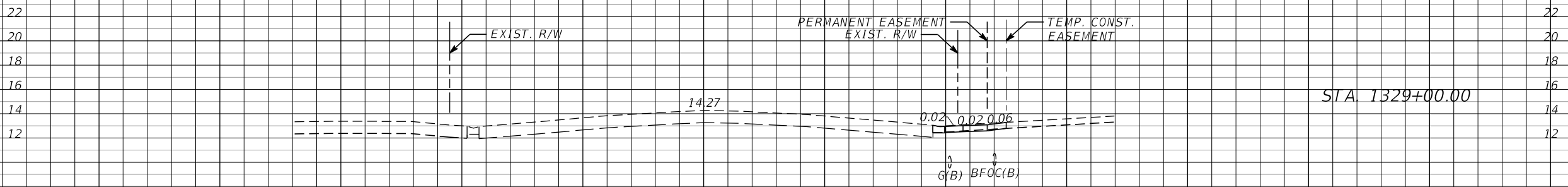
Regular Exc. Embankment  
A V A V



0.0 0.1 0.0 7.7



0.1 2.3 8.4 11.4



2.4 4.4 3.9 7.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS	
DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (05)**

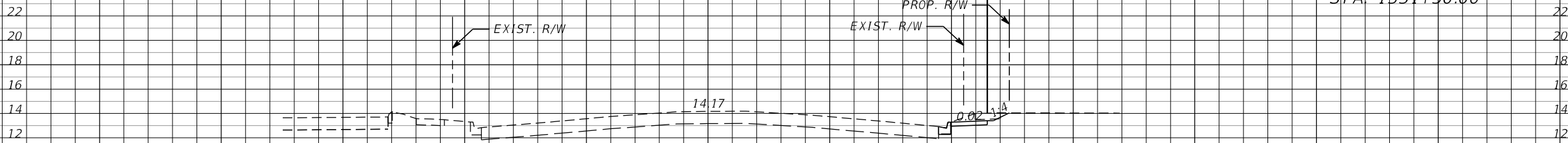
SHEET NO.  
63

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

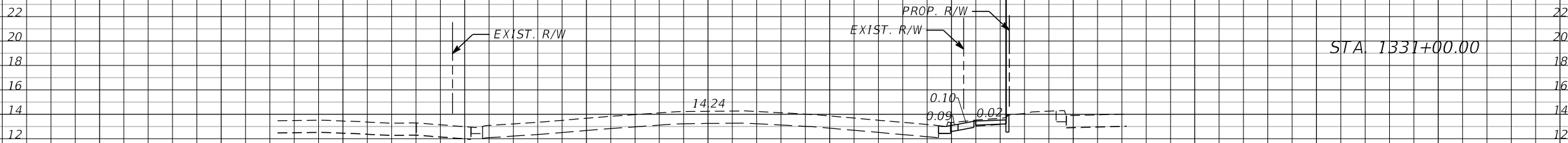
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

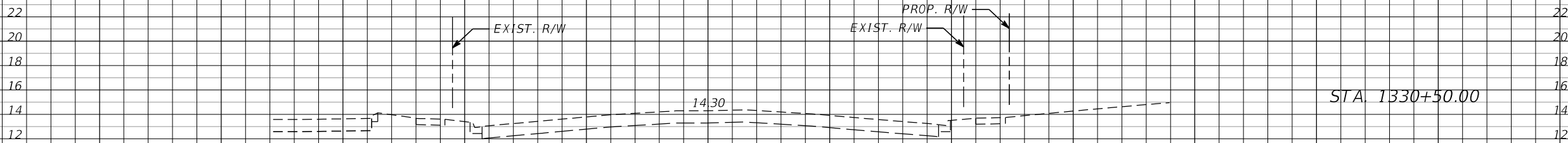
A V A V



3.9 5.9 0.0 1.7



2.4 2.2 1.8 1.7



0.0 0.0 0.0 0.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (06)**

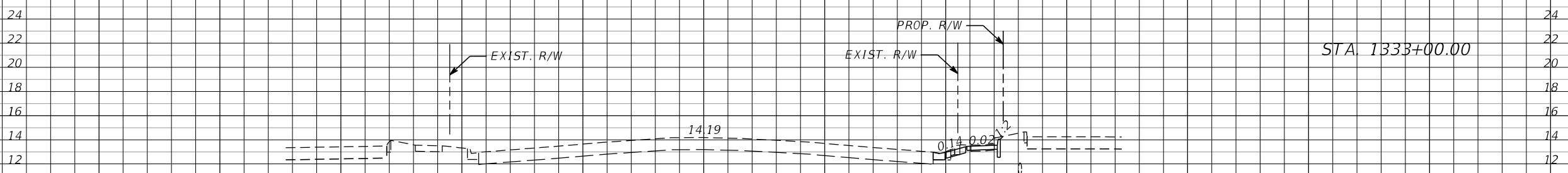
SHEET NO.  
64

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

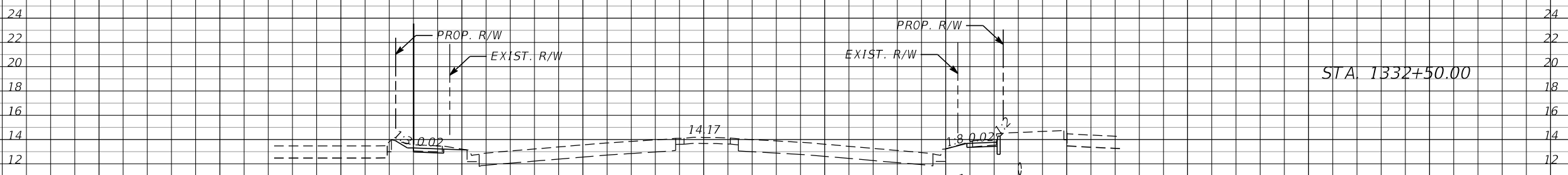
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

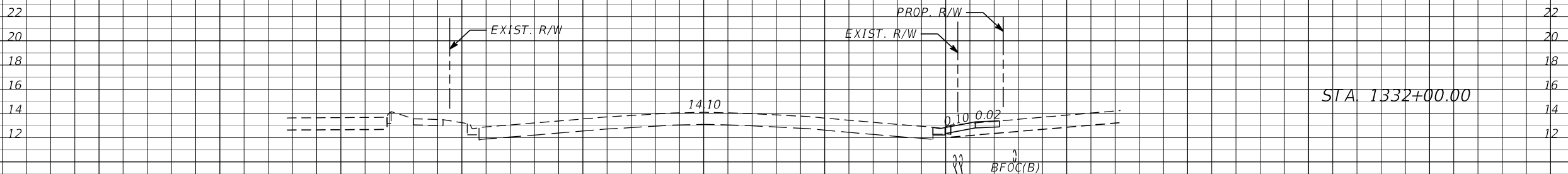
A V A V



2.4 15.8 0.5 0.5



14.6 13.7 0.1 4.0



0.1 3.8 4.2 3.9

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS		DATE		DESCRIPTION	

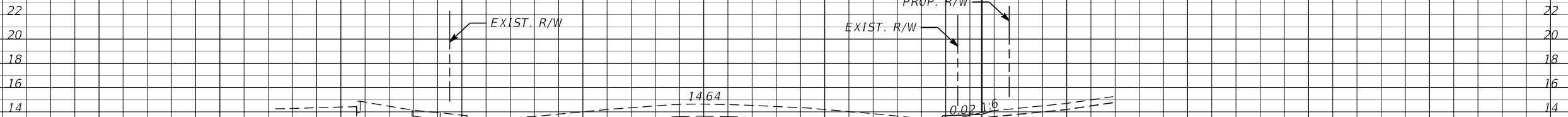
JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			MANATEE COUNTY ROAD NO. COUNTY FINANCIAL PROJECT ID SR 45 MANATEE 433592-4-58-01			SHEET NO. 65	
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CROSS SECTIONS (07)

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

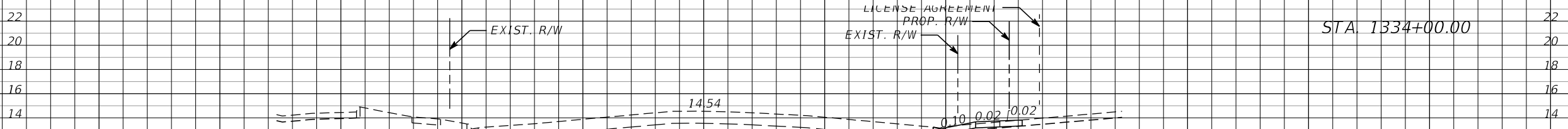
← SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V



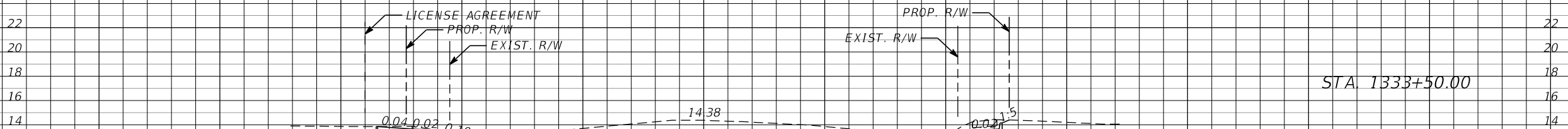
STA 1334+50.00

1.4	1.5	0.0	0.6
-----	-----	-----	-----



STA 1334+00.00

0.2	5.1	0.7	8.0
-----	-----	-----	-----



STA 1333+50.00

5.3	7.1	7.9	7.8
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		DATE	DESCRIPTION			<p>JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324</p>	<table border="1"> <tr> <th colspan="3">MANATEE COUNTY</th> </tr> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>SR 45</td> <td>MANATEE</td> <td>433592-4-58-01</td> </tr> </table>	MANATEE COUNTY			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01	<p><b>CROSS SECTIONS (08)</b></p>	<table border="1"> <tr> <th>SHEET NO.</th> </tr> <tr> <td>66</td> </tr> </table>	SHEET NO.	66
REVISIONS																						
DATE	DESCRIPTION																					
MANATEE COUNTY																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																				
SR 45	MANATEE	433592-4-58-01																				
SHEET NO.																						
66																						

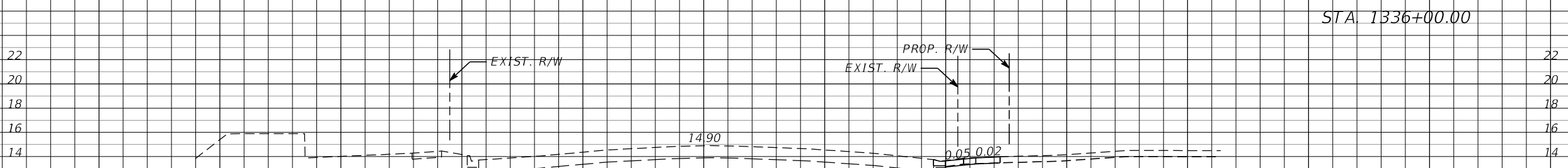
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



← SURVEY SR 45 (US 41)

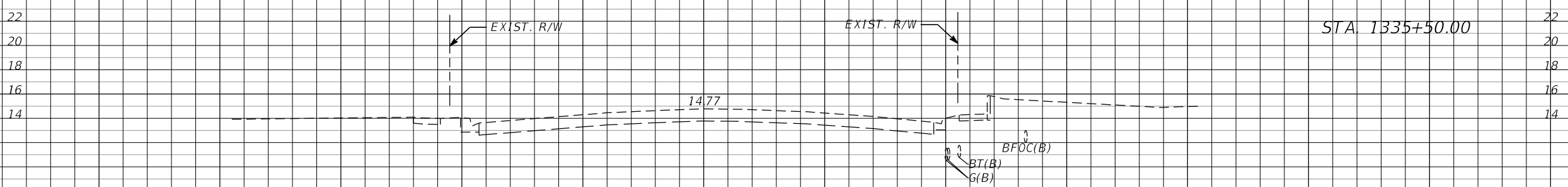
Regular Exc. Embankment

A V A V



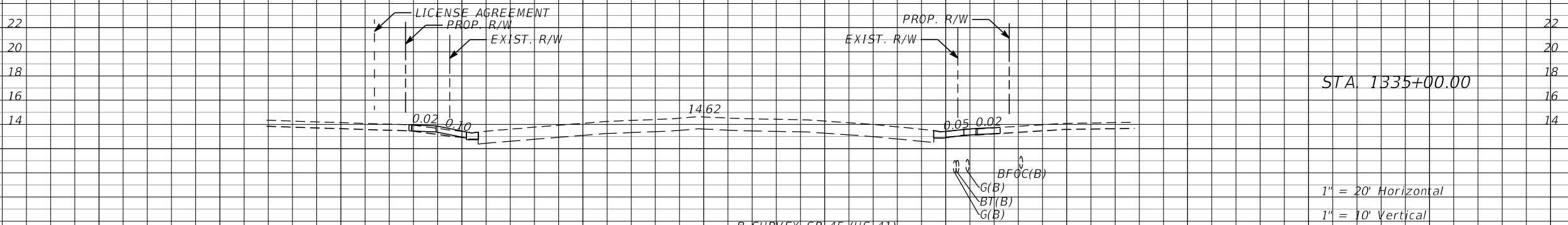
STA 1336+00.00

0.2	0.1	0.3	0.3
-----	-----	-----	-----



STA 1335+50.00

0.0	0.0	0.0	1.0
-----	-----	-----	-----



STA 1335+00.00

0.0	1.3	1.1	1.0
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS	
DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (09)**

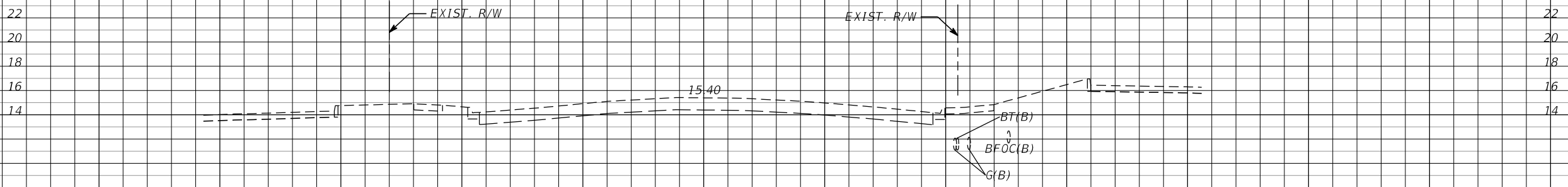
SHEET NO.  
67

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

← SURVEY SR 45 (US 41)

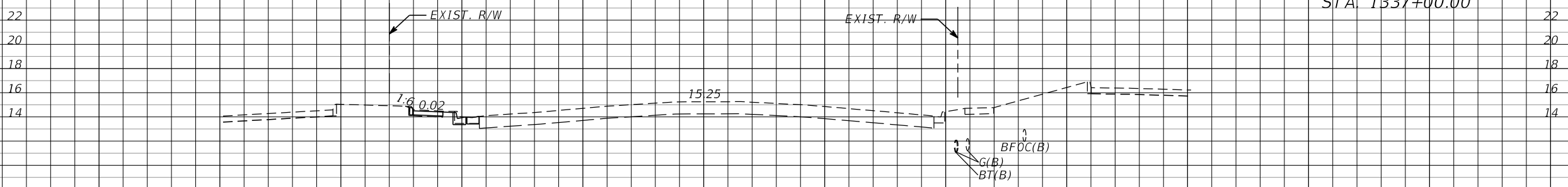
Regular Exc.    Embankment  
A    V    A    V

STA. 1337+50.00



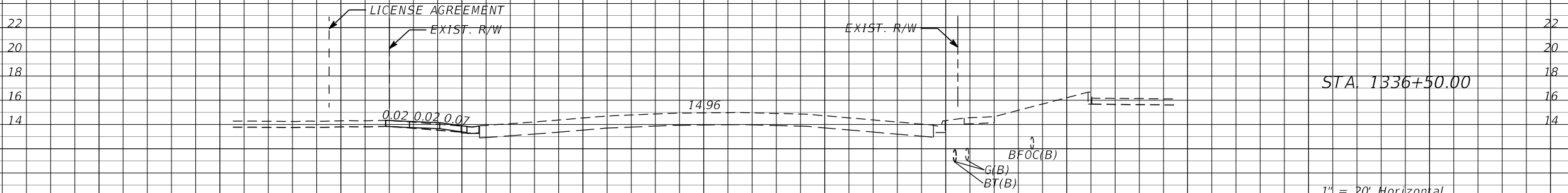
0.0    0.6    0.0    0.5

STA. 1337+00.00



0.7    0.6    0.5    1.3

STA. 1336+50.00



0.0    0.1    0.9    1.1

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS		DESCRIPTION		MANATEE COUNTY			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	68

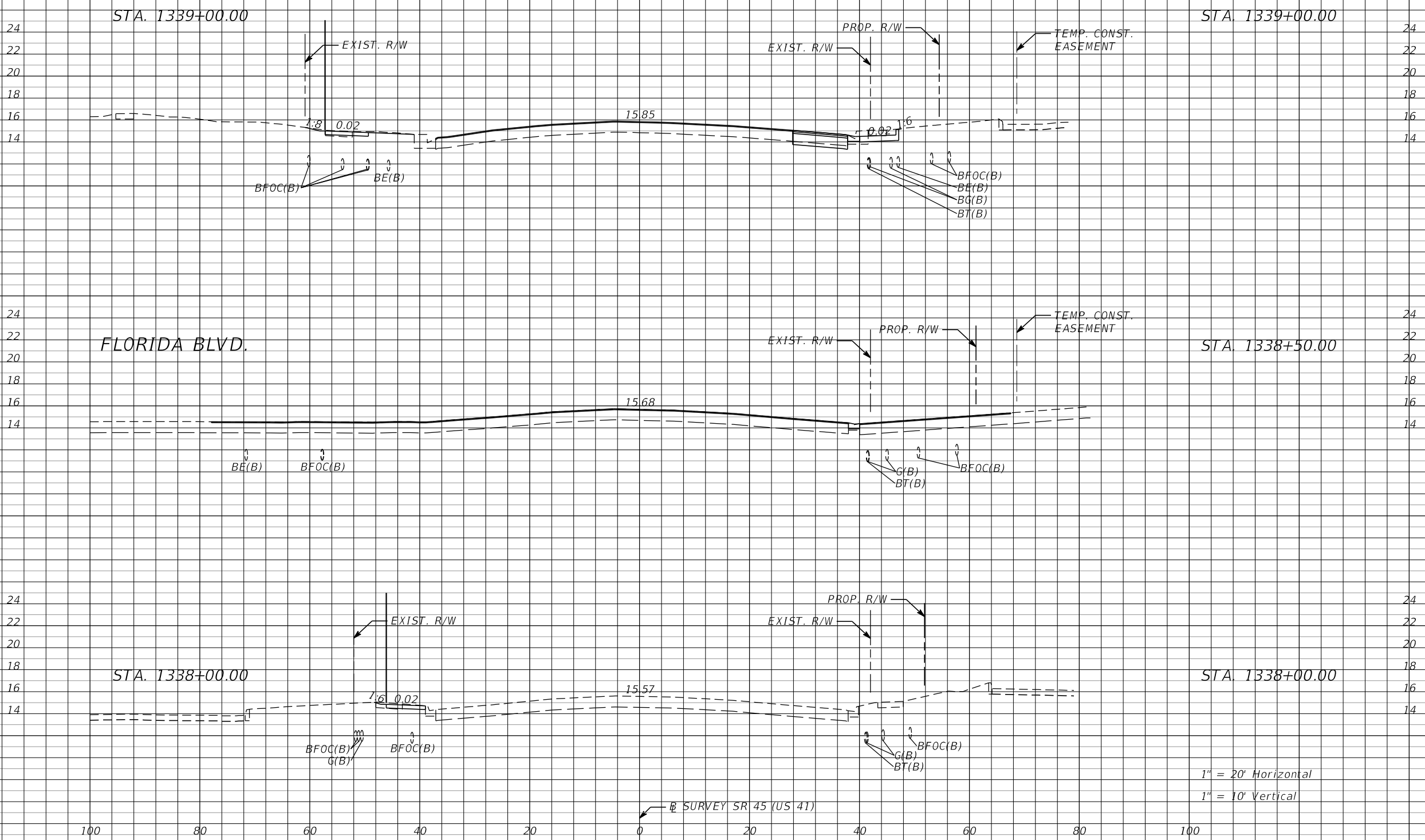
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

**CROSS SECTIONS (10)**

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← SURVEY SR 45 (US 41)

Regular Exc.    Embankment  
A    V    A    V



Station	Regular Exc. A	Regular Exc. V	Embankment A	Embankment V
STA. 1339+00.00	6.1	5.7	1.5	1.4
STA. 1338+50.00	0.0	1.5	0.0	0.7
STA. 1338+00.00	1.6	1.5	0.8	0.7

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
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SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

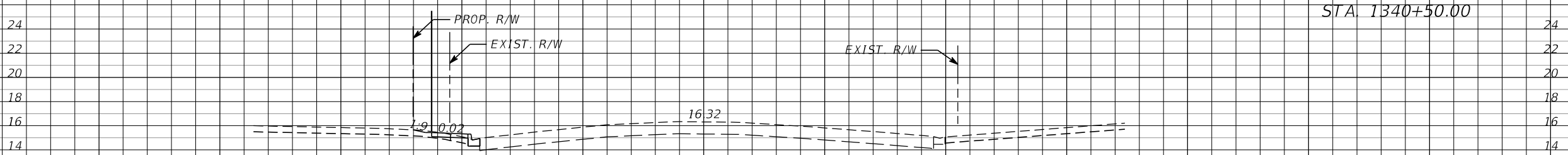
CROSS SECTIONS (11)

SHEET NO.  
69

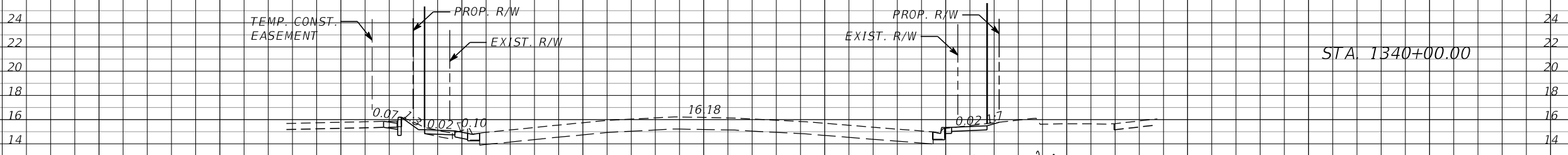
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

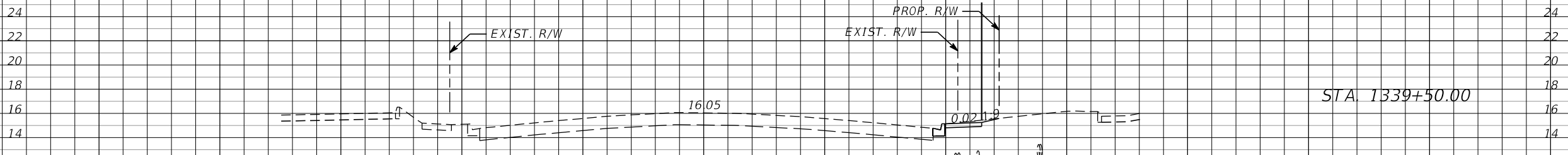
Regular Exc. Embankment  
A V A V



0.1 5.7 2.9 3.5



6.1 8.2 0.9 0.8



2.8 8.3 0.0 1.4

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

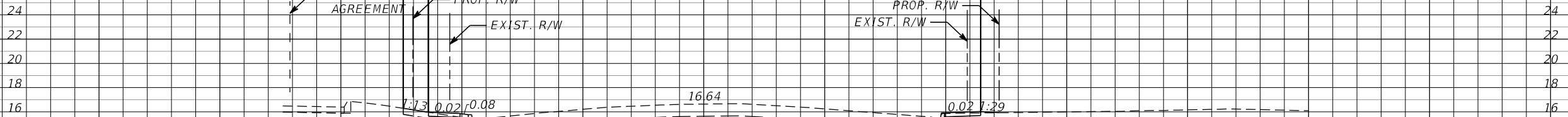
REVISIONS		DATE		DESCRIPTION	

JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			MANATEE COUNTY ROAD NO. SR 45    COUNTY MANATEE    FINANCIAL PROJECT ID 433592-4-58-01			SHEET NO. 70	
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

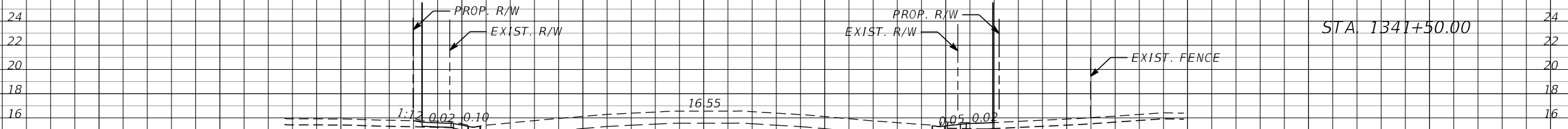
← SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V



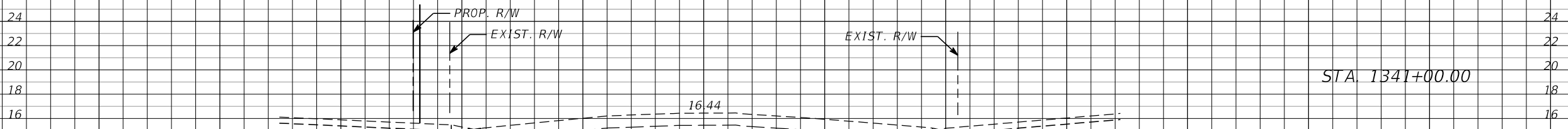
STA 1342+00.00

1.5	2.2	4.4	5.5
-----	-----	-----	-----



STA 1341+50.00

0.9	1.2	1.6	4.8
-----	-----	-----	-----



STA 1341+00.00

0.3	0.4	3.5	5.9
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (13)**

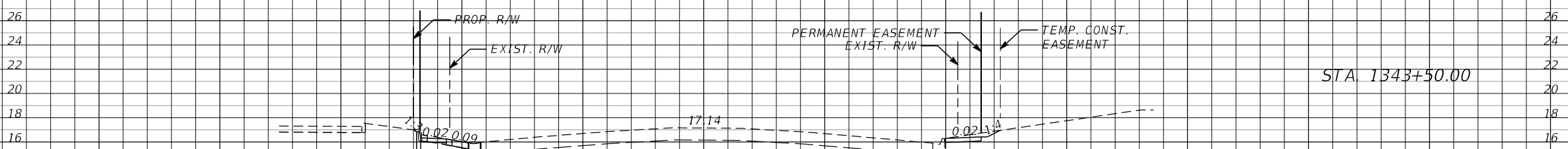
SHEET NO.  
71

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

← SURVEY SR 45 (US 41)

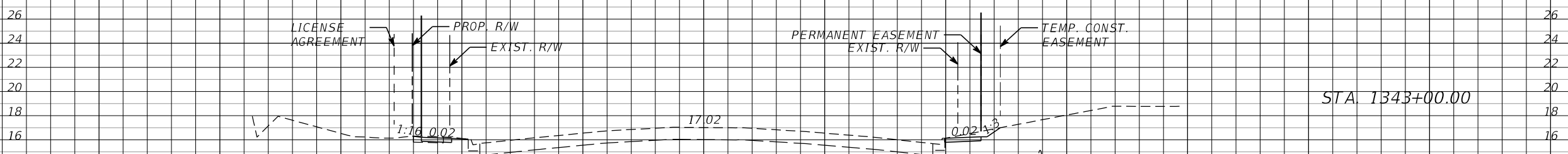
Regular Exc. Embankment

A V A V



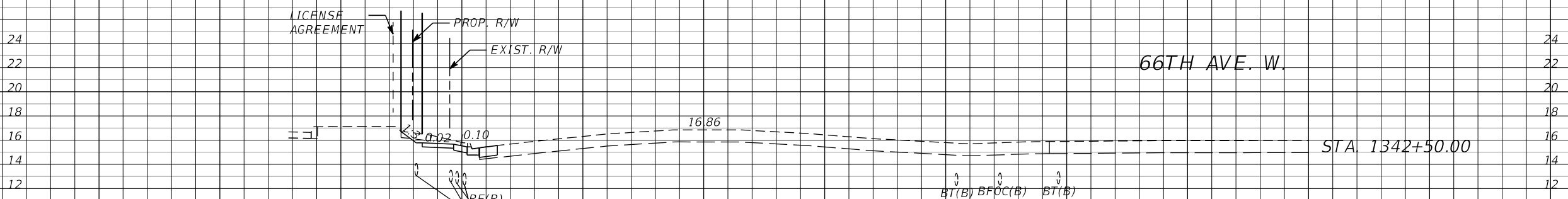
STA 1343+50.00

3.7 7.8 0.2 1.0



STA 1343+00.00

4.7 10.0 0.9 1.2



66TH AVE. W.

STA 1342+50.00

6.2 7.1 0.4 4.4

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

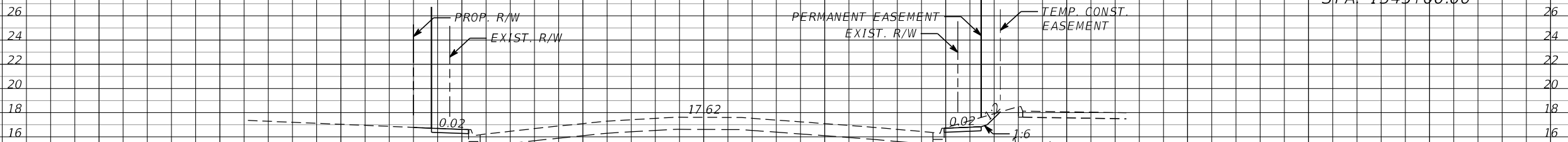
**CROSS SECTIONS (14)**

SHEET NO. 72

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

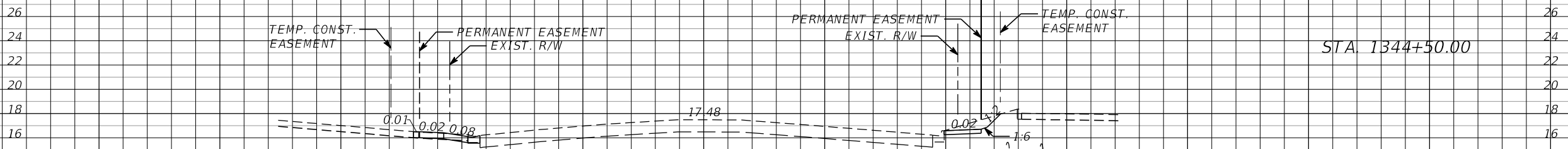
← SURVEY SR 45 (US 41)

Regular		Exc.		Embankment	
A	V	A	V	A	V



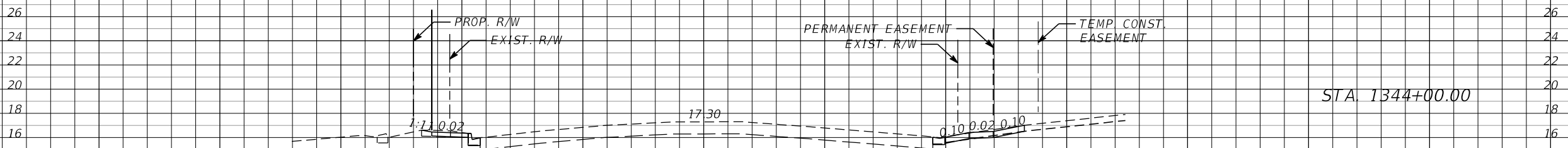
STA 1345+00.00

8.0	13.3	0.0	0.2
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STA 1344+50.00

6.4	7.9	0.2	1.0
-----	-----	-----	-----



STA 1344+00.00

2.2	5.4	0.9	1.0
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

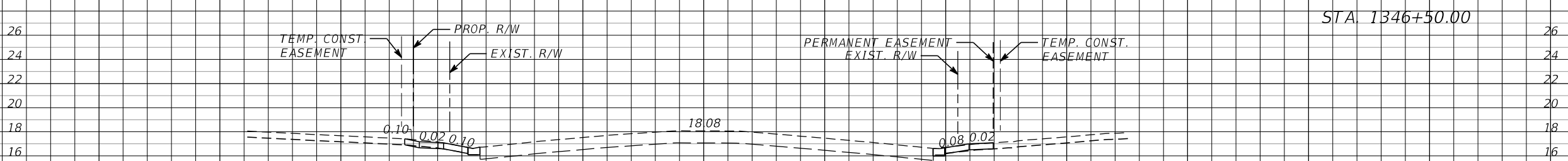
CROSS SECTIONS (15)

SHEET NO.  
73

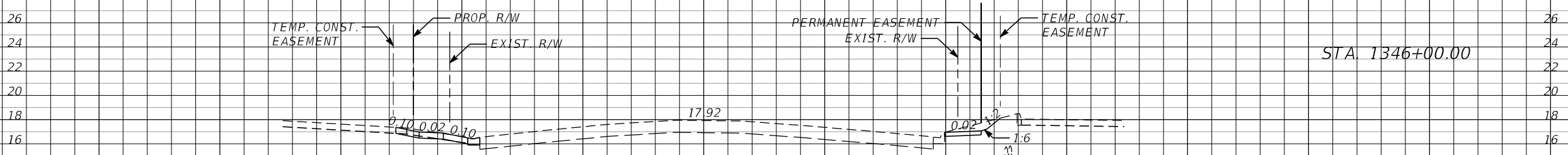
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

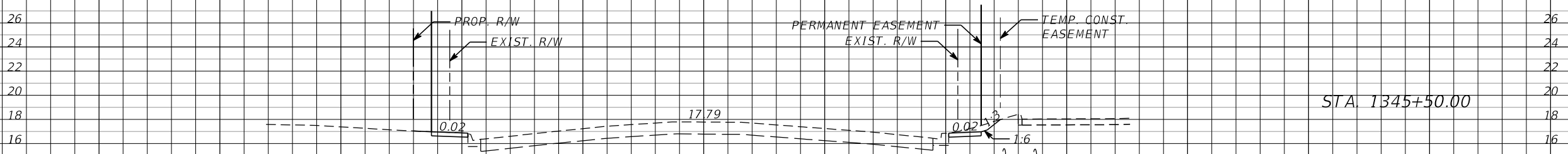
Regular Exc. Embankment  
A V A V



0.7 6.3 0.2 0.3



6.1 11.3 0.1 0.1



6.2 13.2 0.0 0.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (16)

SHEET NO.  
74

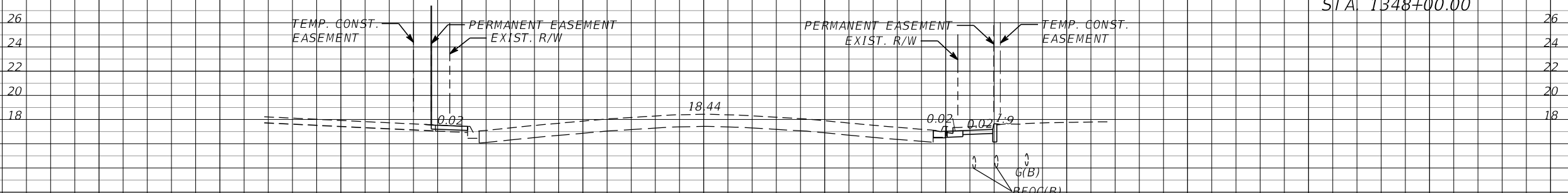
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



← SURVEY SR 45 (US 41)

Regular Exc. Embankment

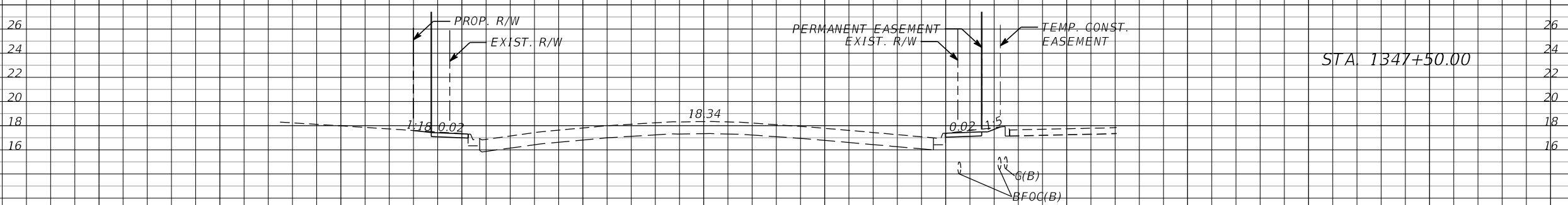
A V A V



STA 1348+00.00

26  
24  
22  
20  
18

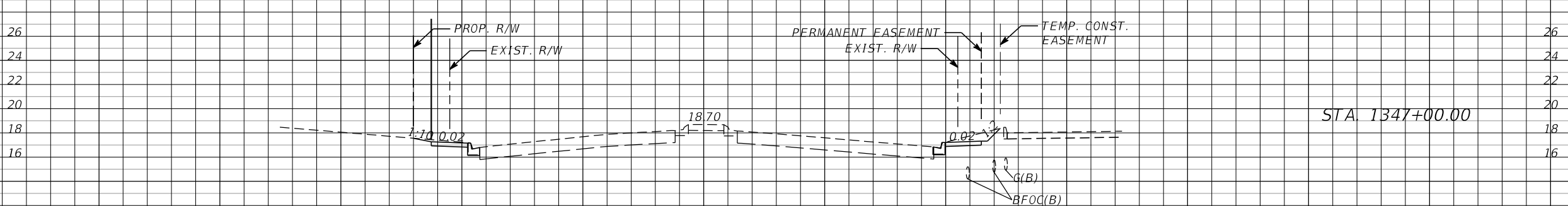
5.9  
10.6  
1.5  
1.4



STA 1347+50.00

26  
24  
22  
20  
18  
16

5.5  
12.9  
0.0  
0.0



STA 1347+00.00

26  
24  
22  
20  
18  
16

8.4  
8.5  
0.0  
0.2

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

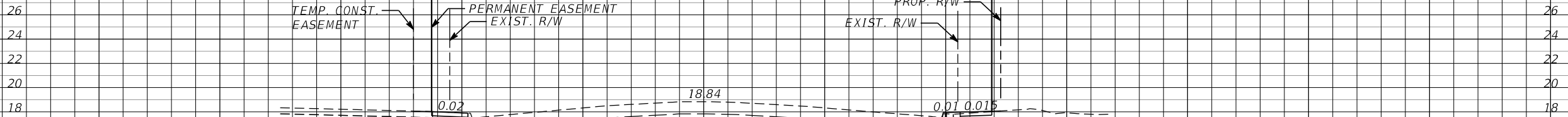
REVISIONS		DESCRIPTION		JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  75
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

CROSS SECTIONS (17)

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

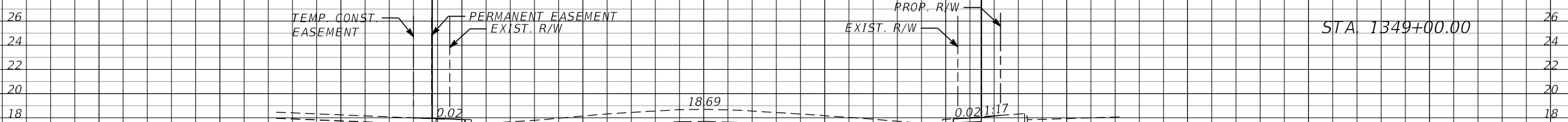
← SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V



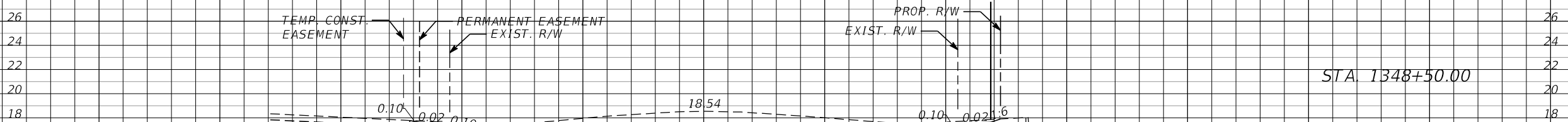
STA 1349+50.00

1.7 3.3 3.2 5.4



STA 1349+00.00

1.8 6.4 2.6 2.4



STA 1348+50.00

5.0 10.1 0.0 1.4

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS		DESCRIPTION		MANATEE COUNTY			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	76

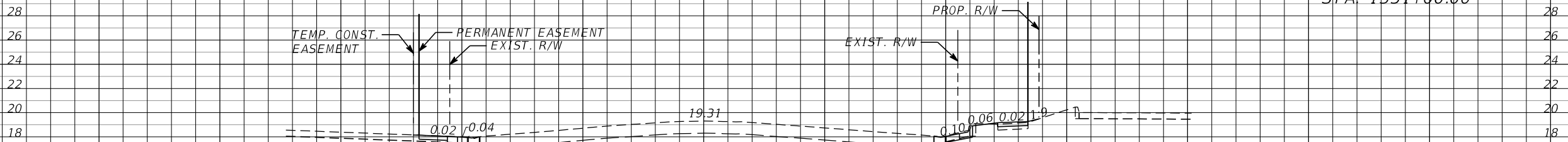
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

CROSS SECTIONS (18)

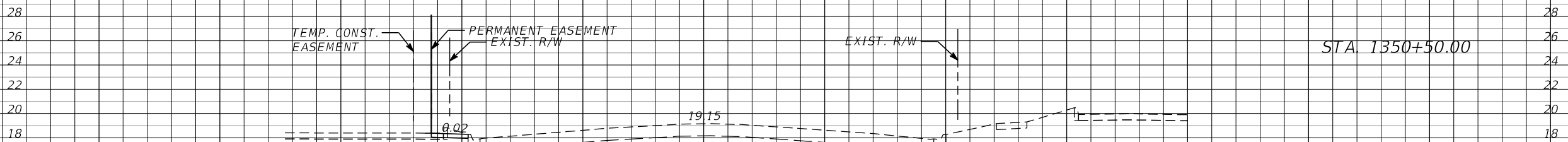
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

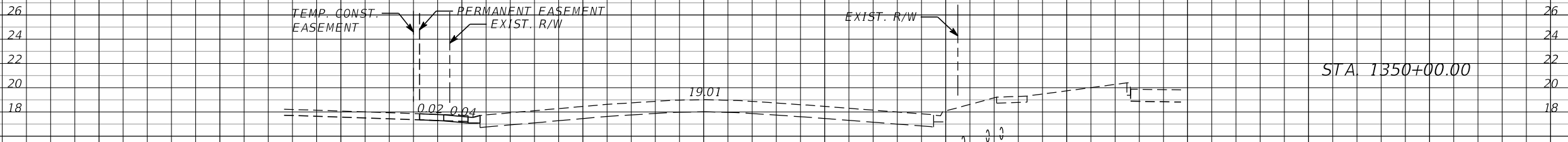
Regular Exc. Embankment  
A V A V



0.6 2.3 3.3 4.7



1.9 2.0 1.9 1.7



0.3 1.8 0.0 3.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (19)

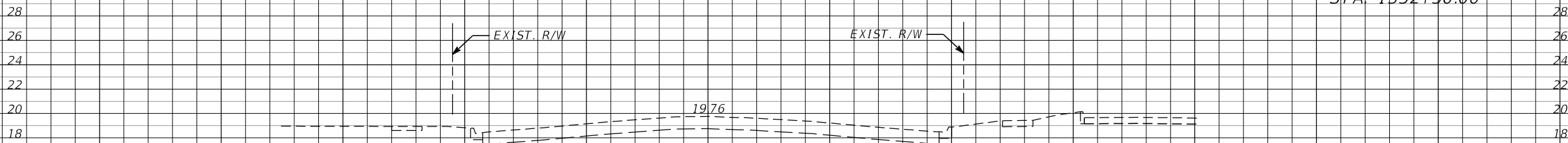
SHEET NO.  
77

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

← SURVEY SR 45 (US 41)

Regular Exc. Embankment

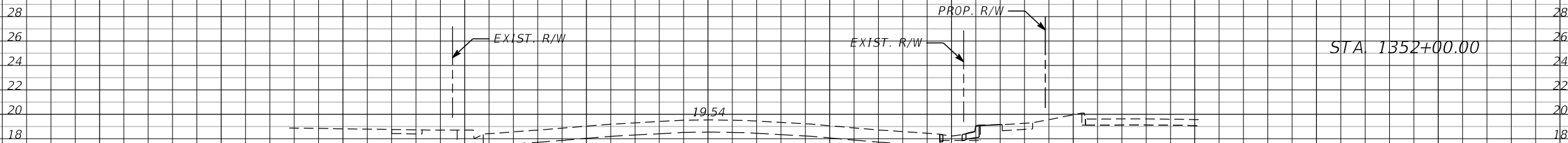
A V A V



STA 1352+50.00

28  
26  
24  
22  
20  
18

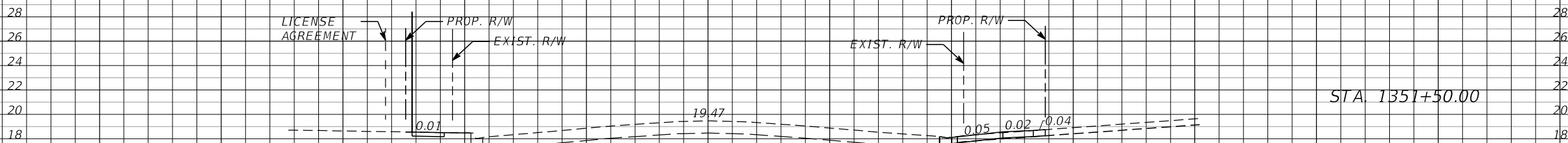
0.0 1.2 1.8 3.4



STA 1352+00.00

28  
26  
24  
22  
20  
18

1.3 1.4 1.9 4.7



STA 1351+50.00

28  
26  
24  
22  
20  
18

0.3 0.8 3.3 6.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS	
DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (20)**

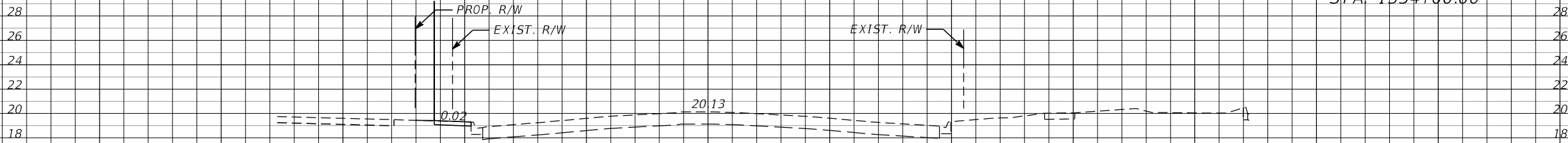
SHEET NO.  
78

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

← SURVEY SR 45 (US 41)

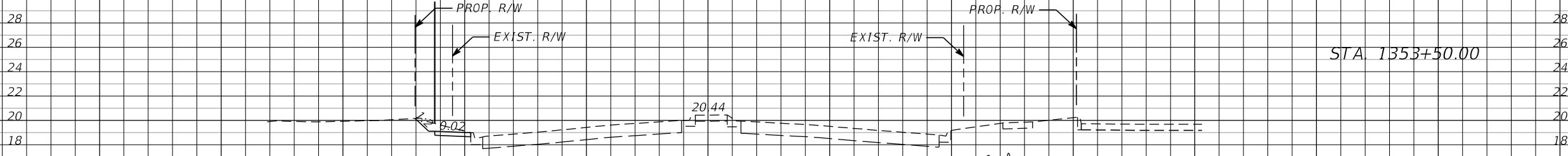
Regular Exc. Embankment

A V A V



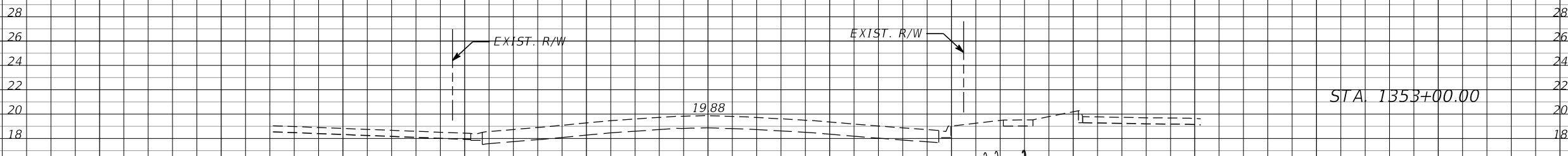
STA 1354+00.00

28				
26	1.9		0.0	
24		6.8		0.0
22				
20				
18				



STA 1353+50.00

28				
26				
24				
22	5.5		0.0	
20		5.1		5.6
18				



STA 1353+00.00

28				
26				
24				
22				
20	0.0		6.0	
18		0.0		7.3

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (21)**

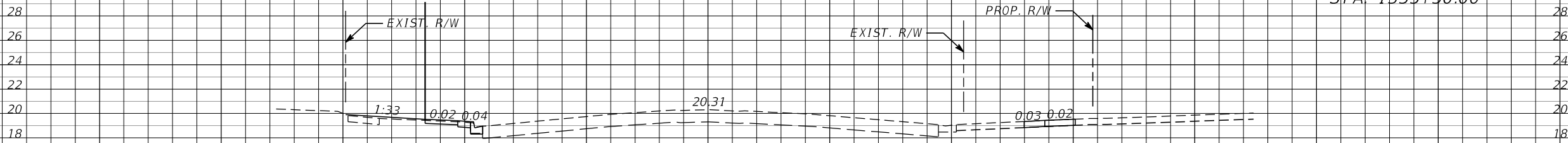
SHEET NO.  
79

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

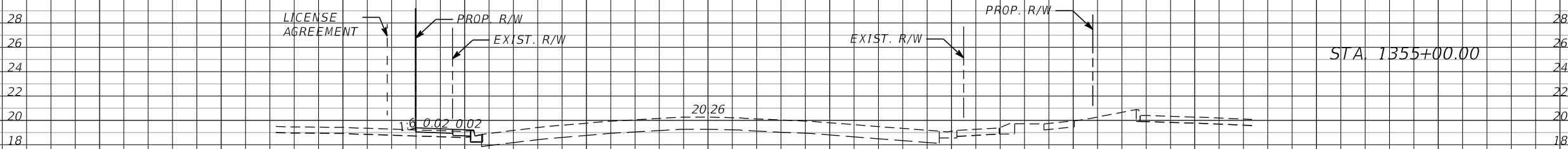
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

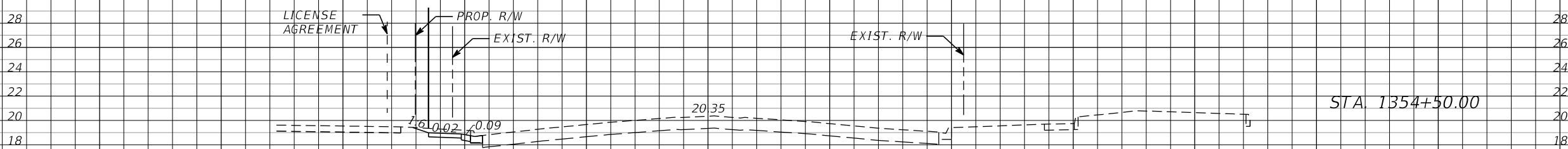
A V A V



2.3 2.2 4.0 6.6



0.0 5.5 3.1 2.9



5.9 7.2 0.0 0.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

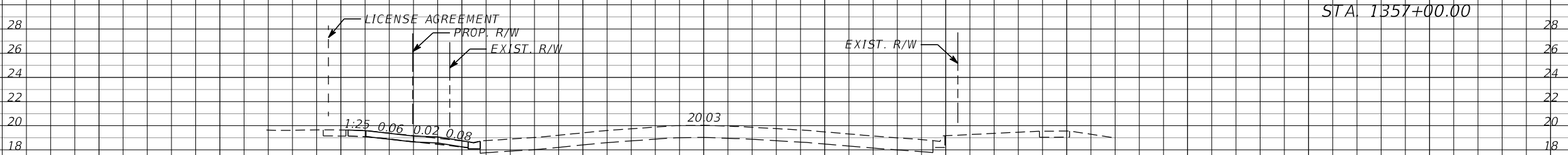
**CROSS SECTIONS (22)**

SHEET NO.  
80

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

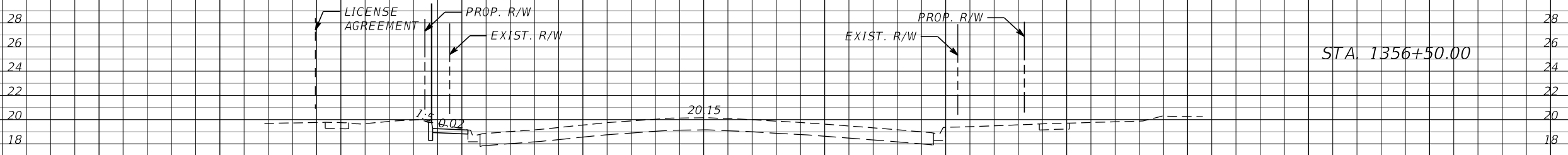
← SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V



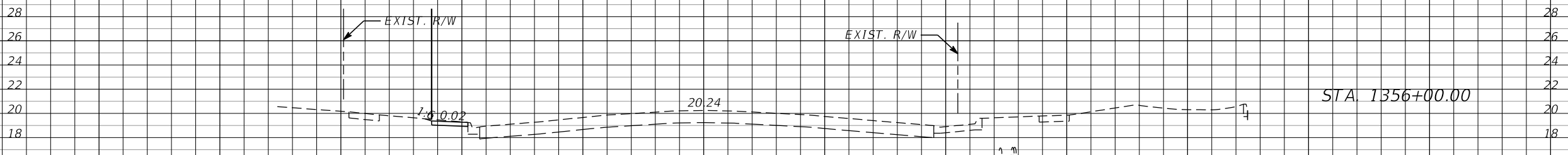
STA 1357+00.00

0.0 4.1 1.9 3.5



STA 1356+50.00

4.4 6.4 1.9 4.1



STA 1356+00.00

2.5 4.5 2.5 6.1

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (23)**

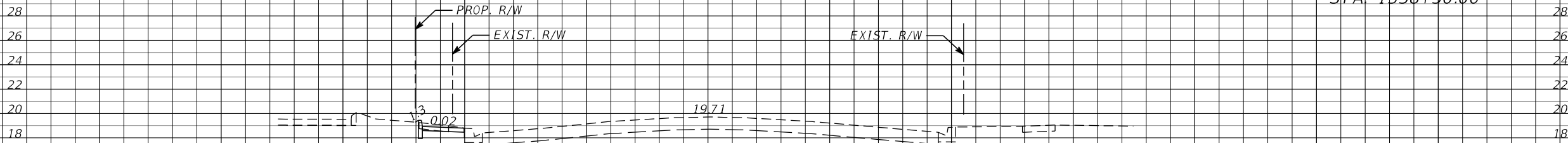
SHEET NO.  
81

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

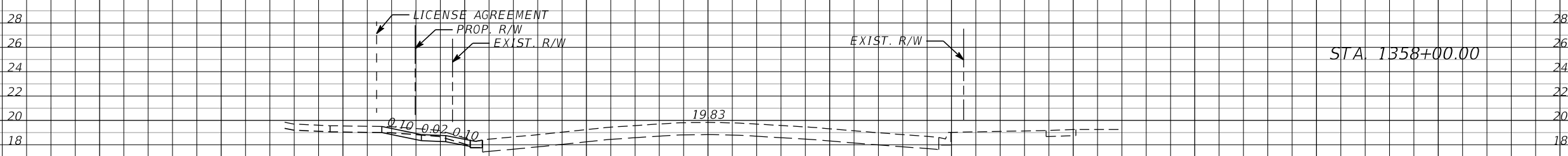
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

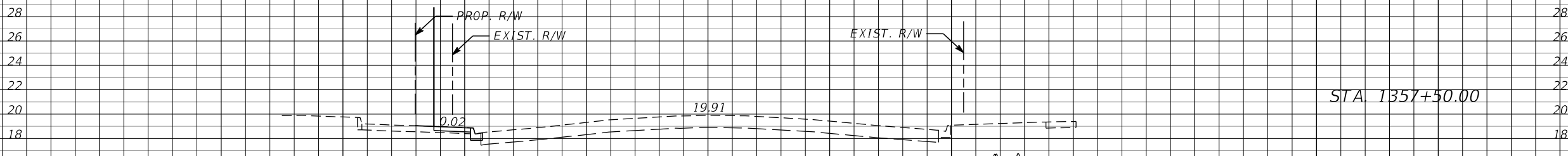
A V A V



1.0 4.6 0.9 0.8



4.0 3.7 0.0 2.2



0.0 0.0 2.4 3.9

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO. 82
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	<b>CROSS SECTIONS (24)</b>	

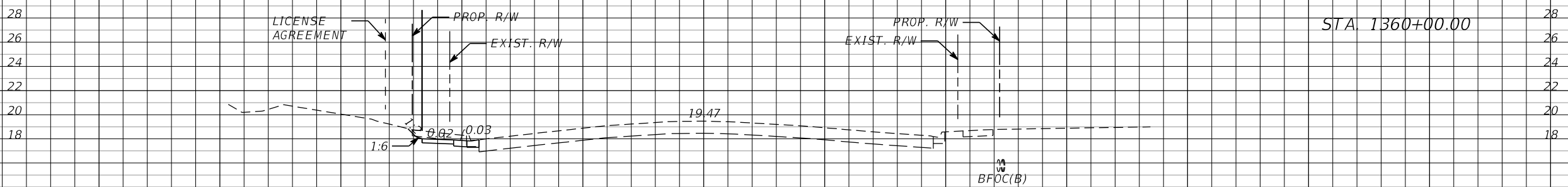
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



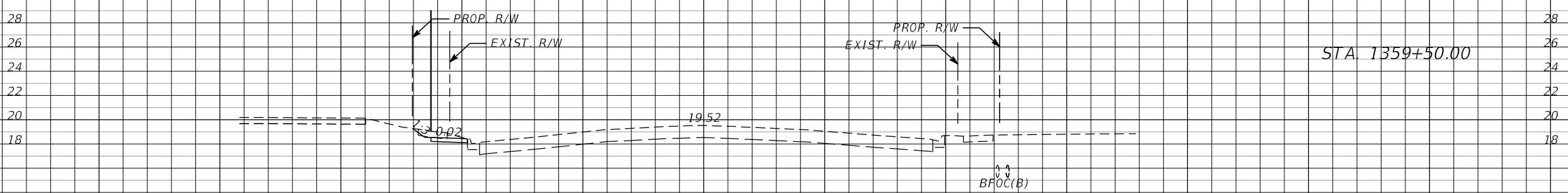
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

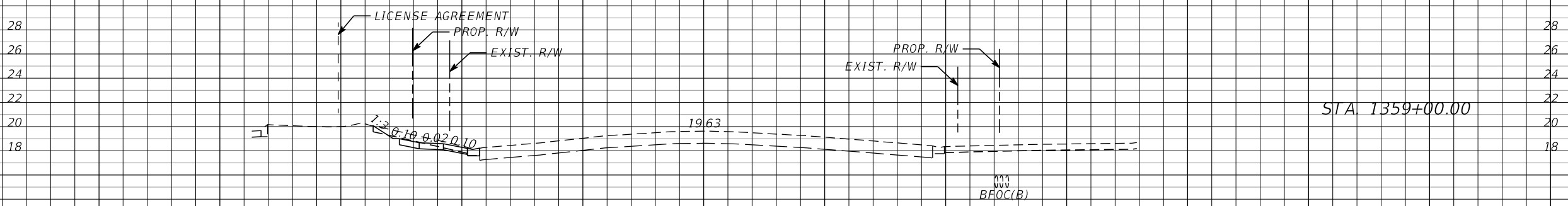
A V A V



5.2 7.3 0.1 0.1



2.7 5.1 0.1 1.0



2.8 3.6 1.0 1.8

1" = 20' Horizontal  
1" = 10' Vertical

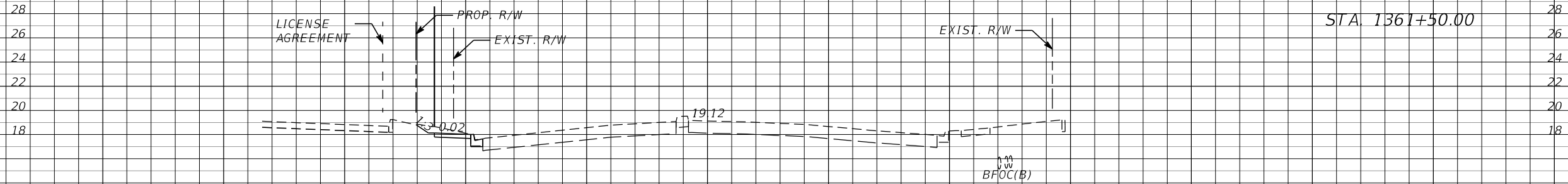
← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

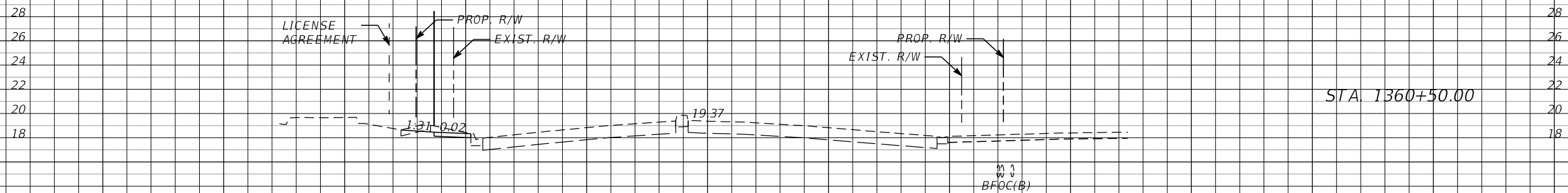
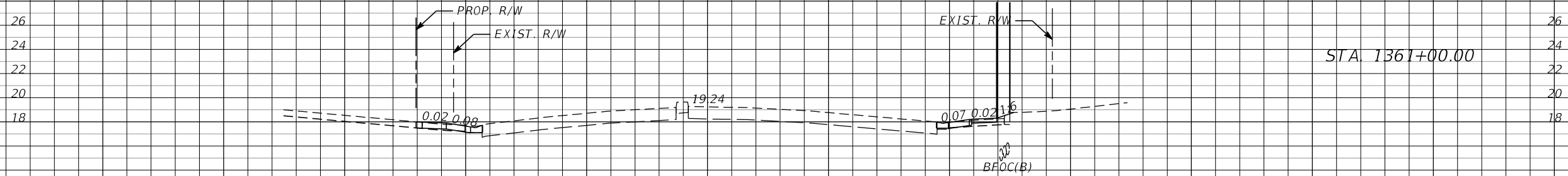
REVISIONS		REVISIONS		JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO. 83
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	CROSS SECTIONS (25)

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← SURVEY SR 45 (US 41)



Regular		Exc.		Embankment	
A	V	A	V	A	V
5.0	4.7	0.0	3.0		
0.1	3.7	3.3	3.8		
3.9	8.4	0.8	0.8		



1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (26)**

SHEET NO.  
**84**

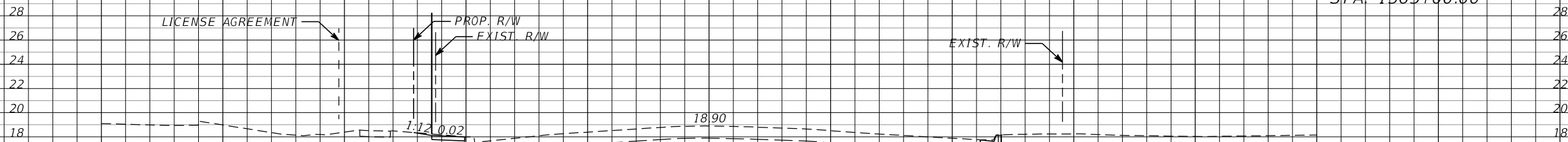
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

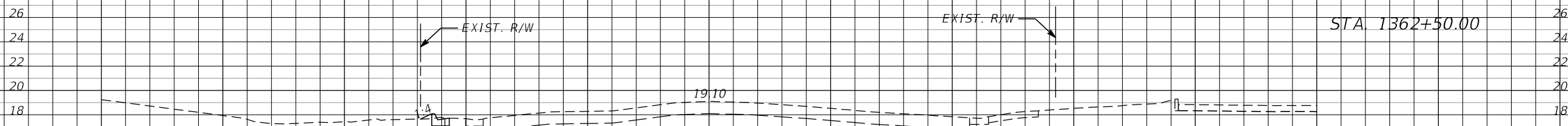
BEGIN EXCEPTION  
STA. 1363+32.96

END EARTHWORK  
STA. 1363+18.46

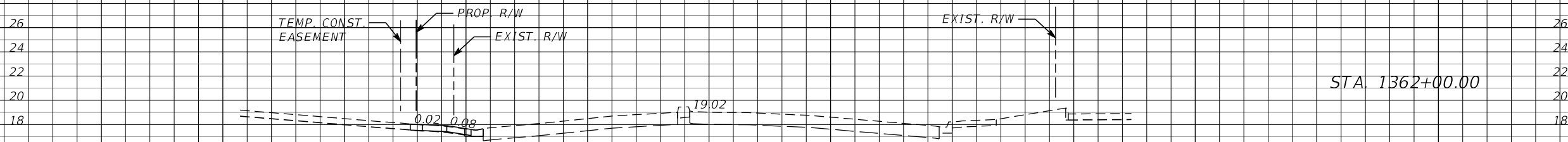
STA. 1363+00.00



Regular		Exc.		Embankment	
A	V	A	V	A	V
3.2	4.1	2.5	2.7		
1.2	1.2	0.4	0.8		
0.0	4.6	0.5	0.4		



STA. 1362+50.00



STA. 1362+00.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (27)**

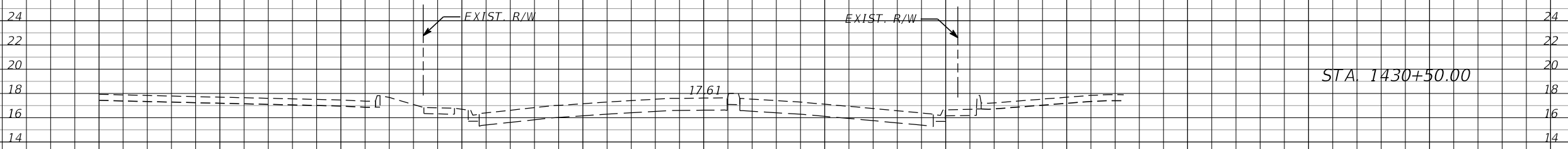
SHEET NO.  
85

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← SURVEY SR 45 (US 41)

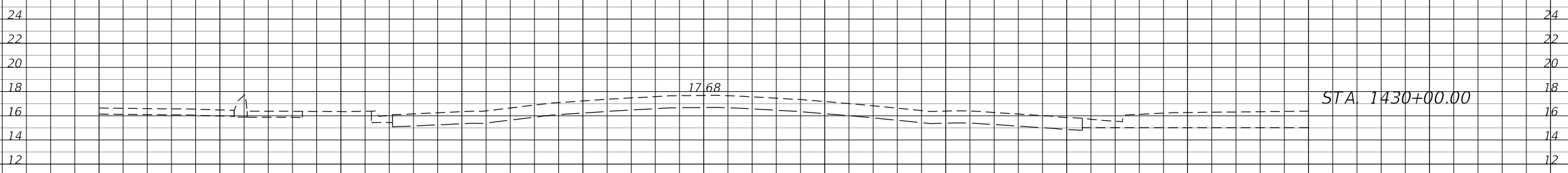
Regular Exc. Embankment

A V A V



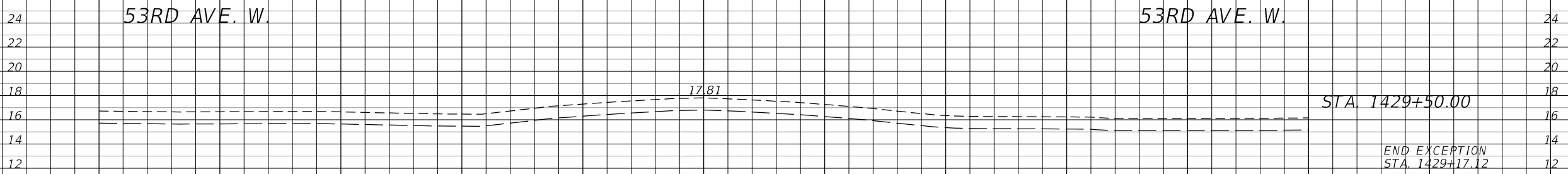
STA. 1430+50.00

0.0 0.0 0.0 0.0



STA. 1430+00.00

0.0 0.0 0.0 0.0



53RD AVE. W.

53RD AVE. W.

STA. 1429+50.00

END EXCEPTION  
STA. 1429+17.12

0.0 0.0 0.0 0.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

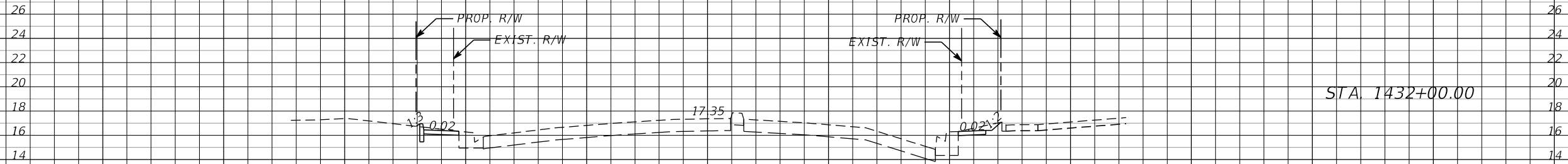
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (28)**

SHEET NO.  
86

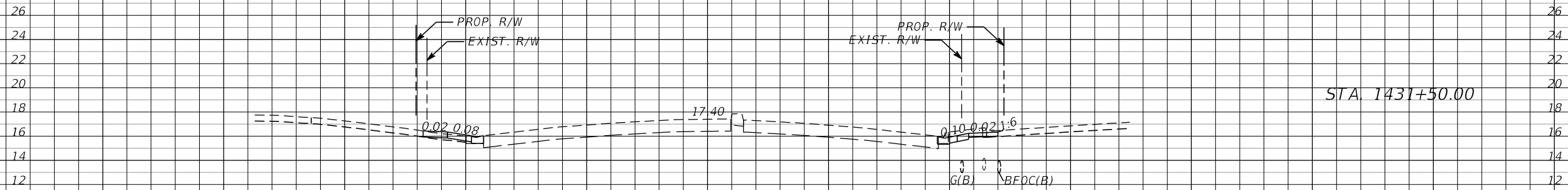
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← SURVEY SR 45 (US 41)



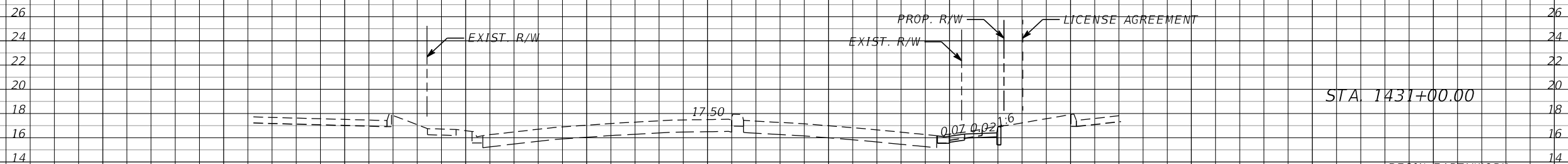
STA 1432+00.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
6.7	10.4	0.1		1.6	



STA 1431+50.00

4.6	7.6	1.6		1.5	
-----	-----	-----	--	-----	--



STA 1431+00.00

BEGIN EARTHWORK  
STA. 1430+91.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

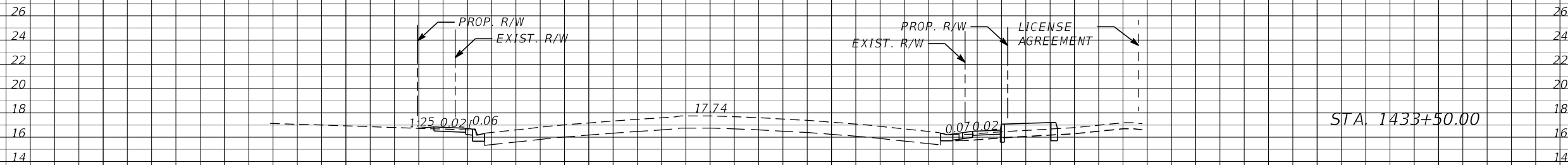
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (29)

SHEET NO.  
87

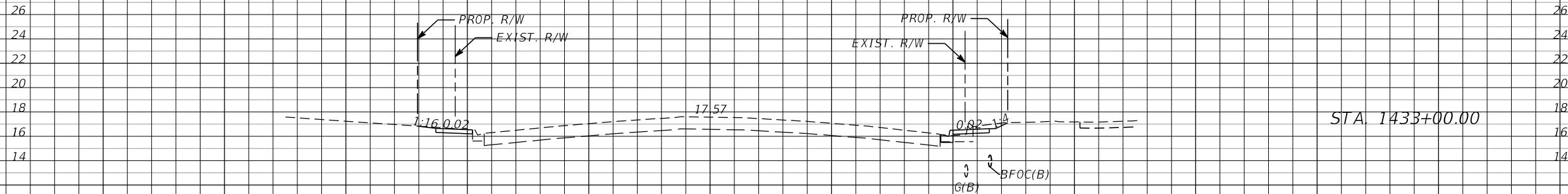
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)



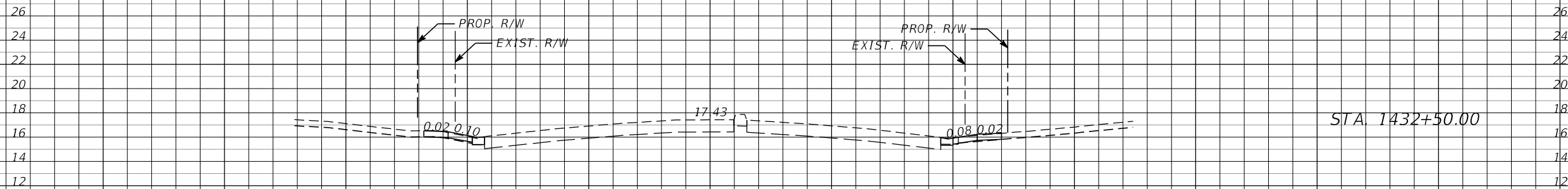
STA 1433+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
2.2	6.7	10.5	11.7		



STA 1433+00.00

5.0	4.9	2.1	2.7		
-----	-----	-----	-----	--	--



STA 1432+50.00

0.3	6.4	0.8	0.8		
-----	-----	-----	-----	--	--

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (30)

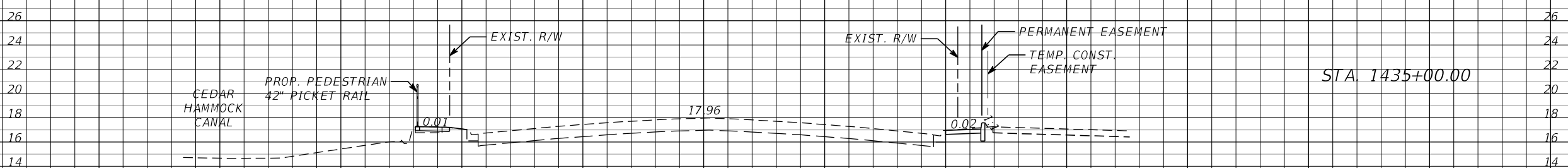
SHEET NO.  
88

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

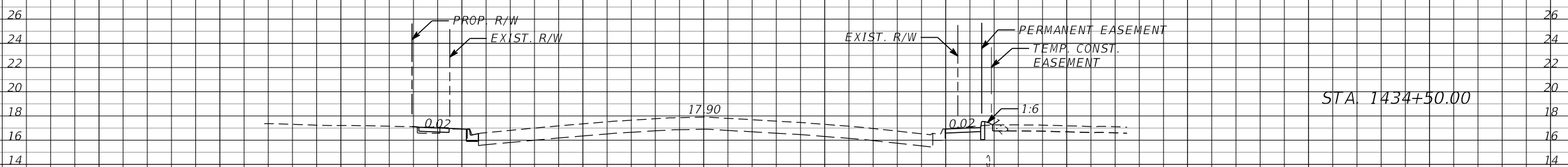
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

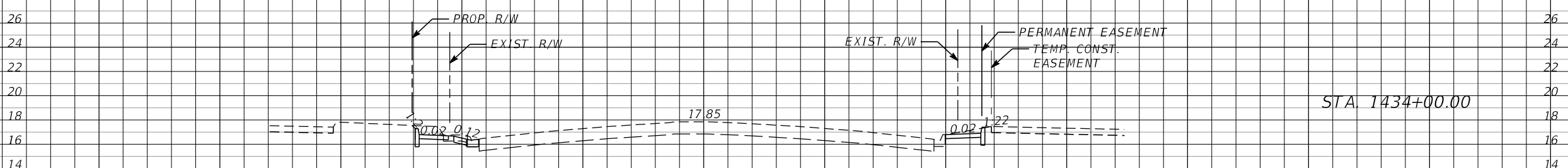
A V A V



3.4	6.8	0.8	1.5
-----	-----	-----	-----



4.0	12.6	0.8	1.2
-----	------	-----	-----



9.7	11.0	0.5	10.2
-----	------	-----	------

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

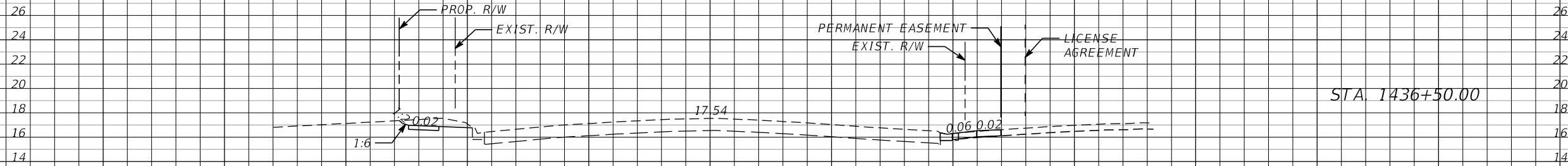
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (31)

SHEET NO.  
89

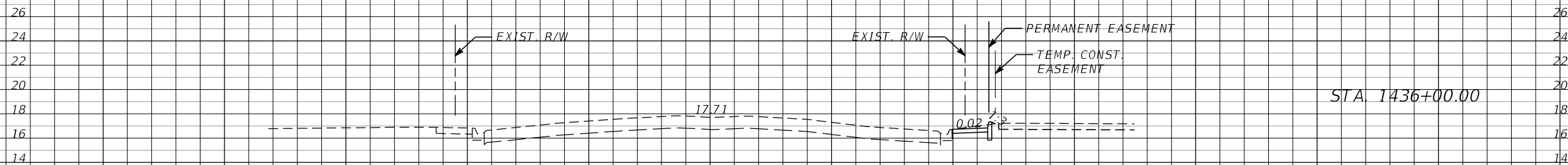
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← SURVEY SR 45 (US 41)



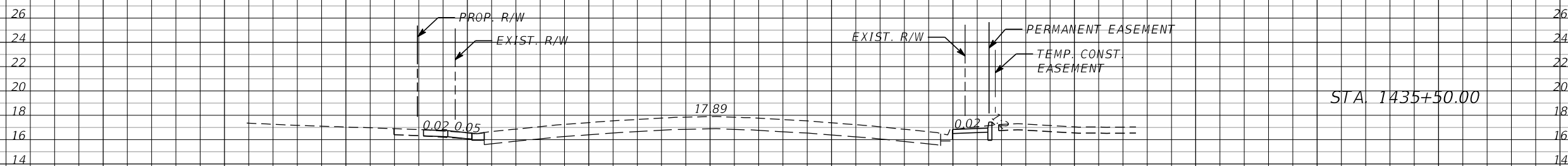
STA 1436+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
7.5	10.3	0.3	0.4		



STA 1436+00.00

3.6	6.4	0.0	0.3		
-----	-----	-----	-----	--	--



STA 1435+50.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (32)

SHEET NO.  
90

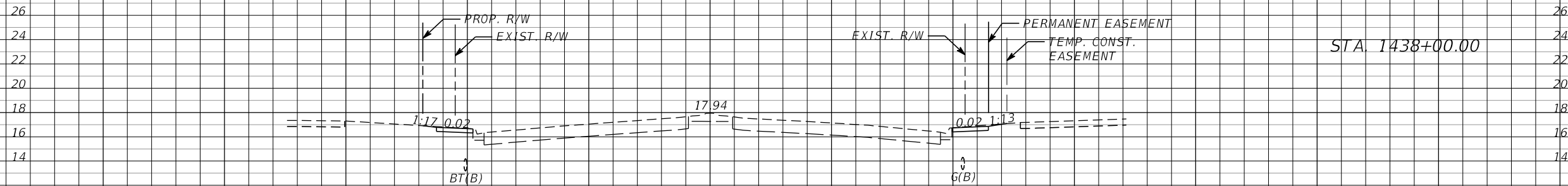
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



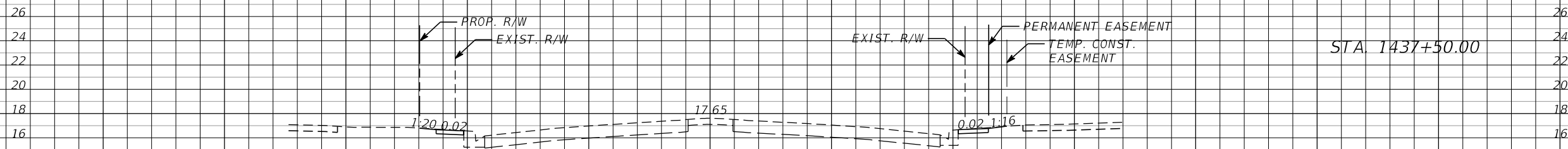
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

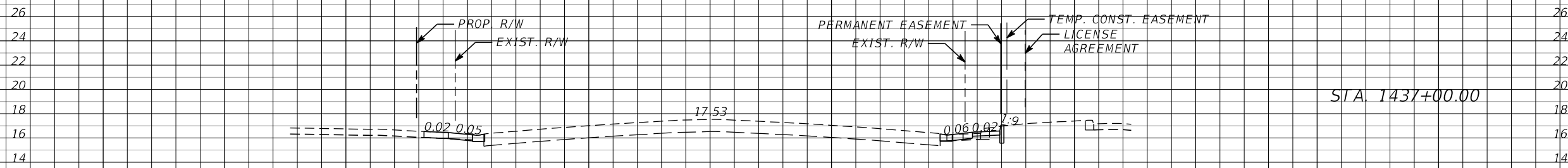
A V A V



4.8 7.8 0.0 0.0



3.7 5.3 0.0 1.0



2.1 8.9 1.1 1.3

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (33)

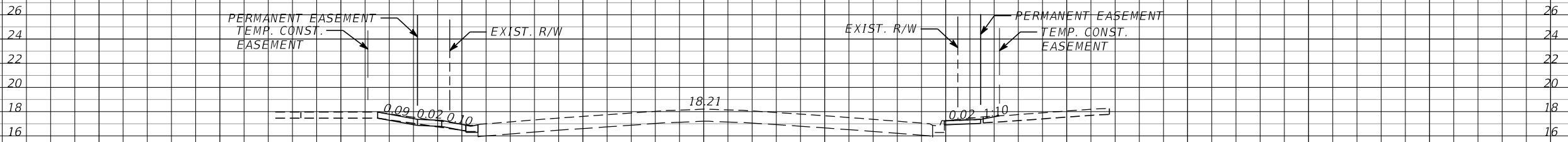
SHEET NO.  
91

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

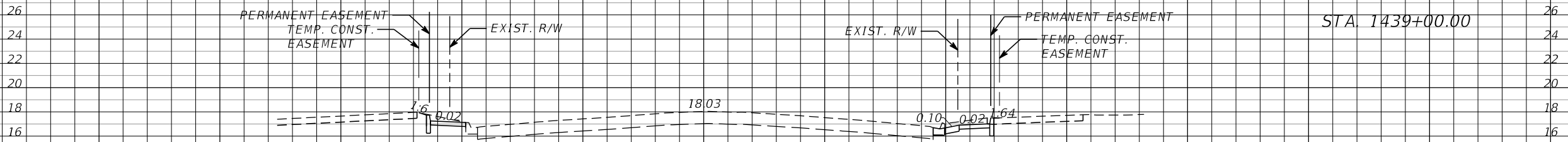
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

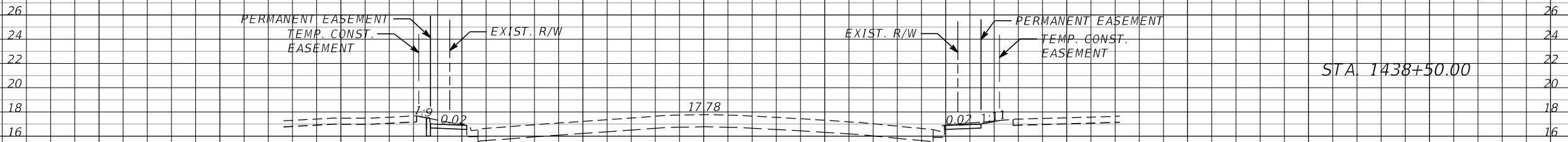
A V A V



3.4 12.7 1.3 1.7



10.3 15.6 0.5 0.5



6.5 10.5 0.0 0.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS		DESCRIPTION		MANATEE COUNTY			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	92

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

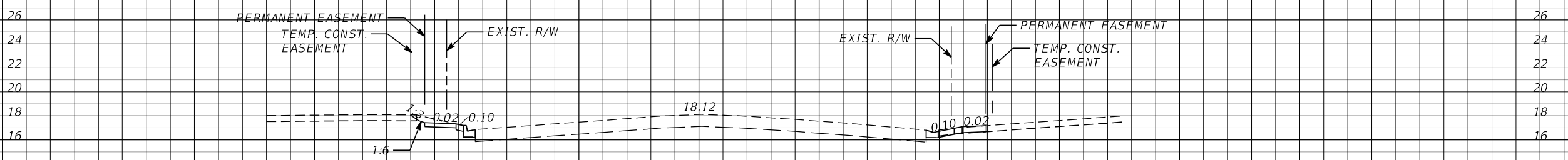
CROSS SECTIONS (34)

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

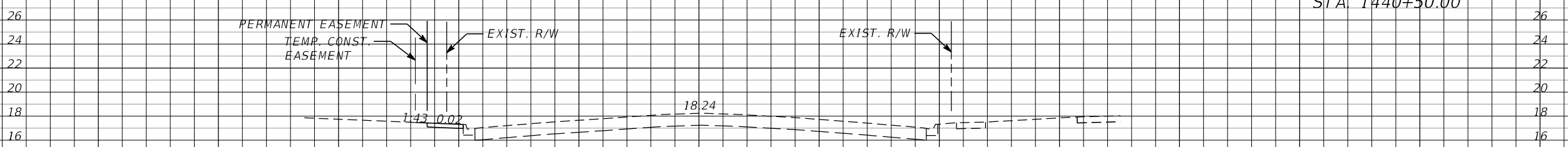
← SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V

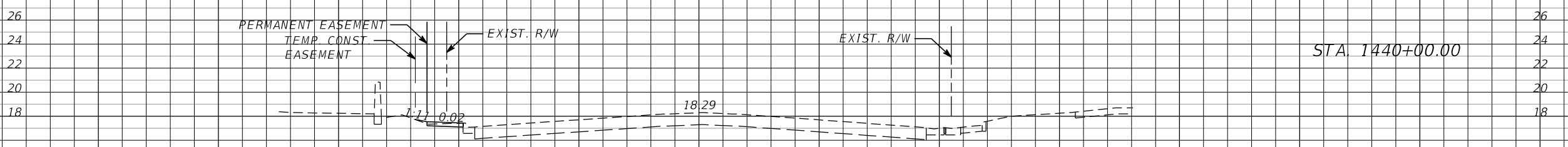
STA. 1441+00.00



STA. 1440+50.00



STA. 1440+00.00



1" = 20' Horizontal  
1" = 10' Vertical

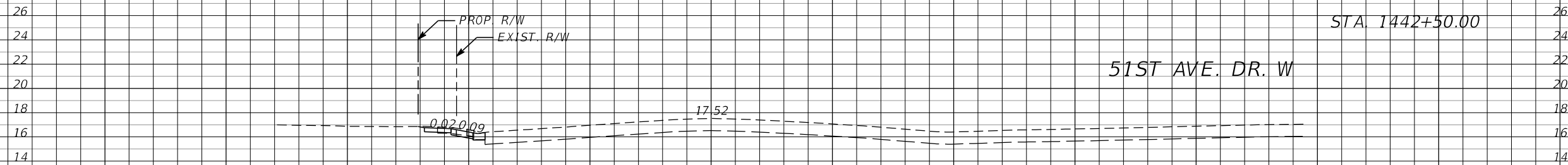
← SURVEY SR 45 (US 41)

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  93
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	<b>CROSS SECTIONS (35)</b>	

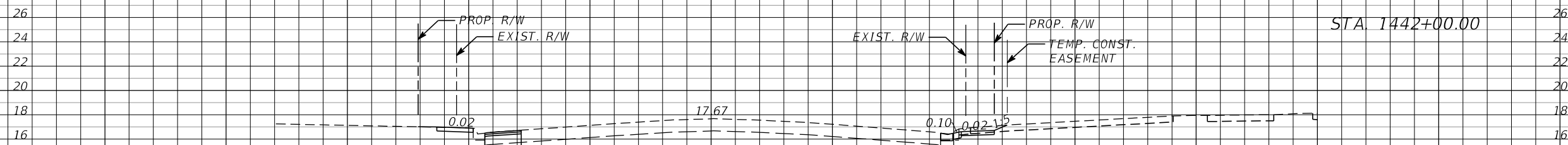
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

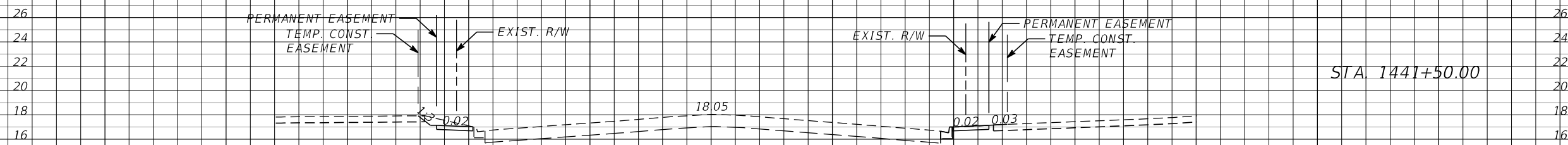
Regular Exc. Embankment  
A V A V



1.6	4.2	0.1	0.9
-----	-----	-----	-----



2.9	9.1	0.8	2.1
-----	-----	-----	-----



6.9	10.5	1.4	1.8
-----	------	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

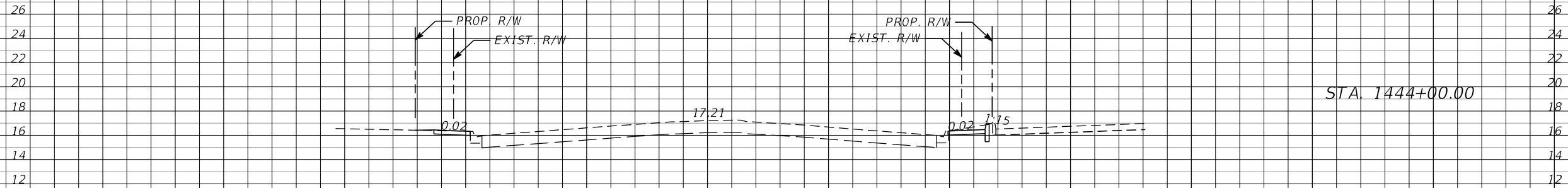
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (36)**

SHEET NO.  
94

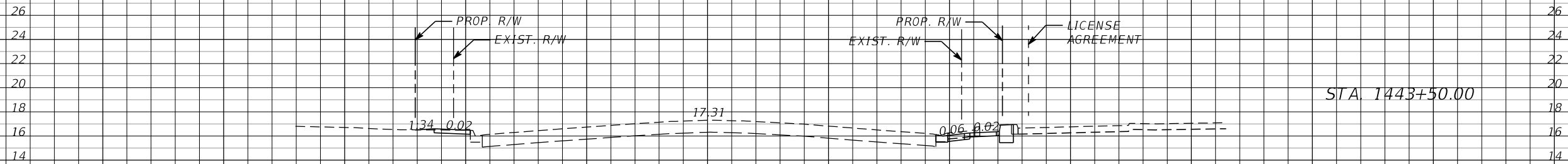
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)



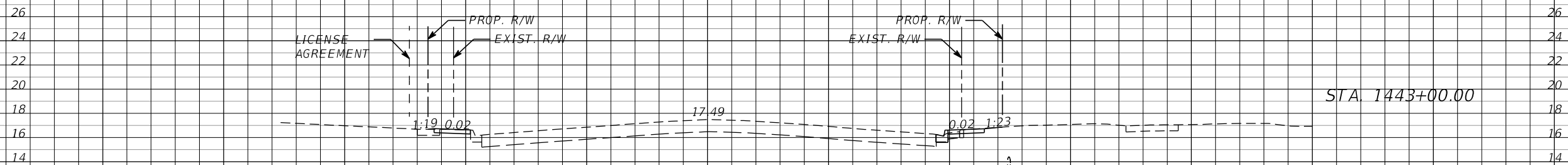
STA 1444+00.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
5.9	13.4	0.1	0.2		



STA 1443+50.00

8.5	10.6	0.2	2.5		
-----	------	-----	-----	--	--



STA 1443+00.00

2.9	4.2	2.5	2.5		
-----	-----	-----	-----	--	--

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

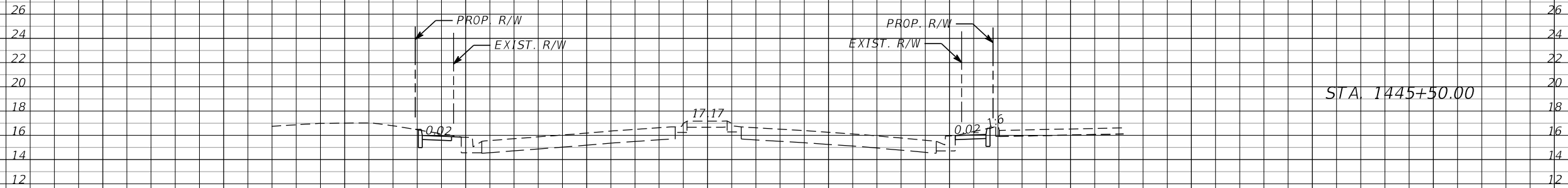
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (37)

SHEET NO.  
95

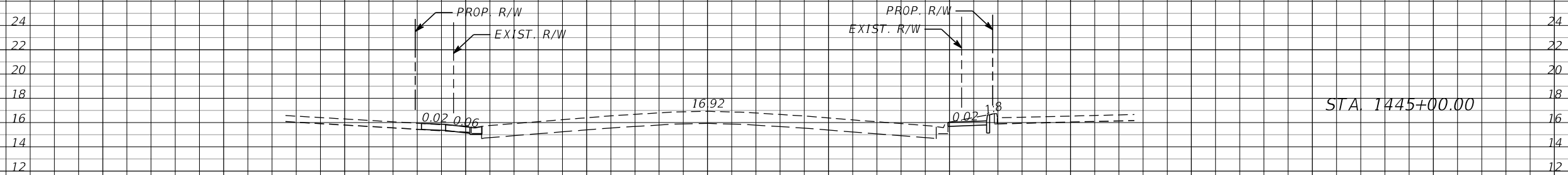
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

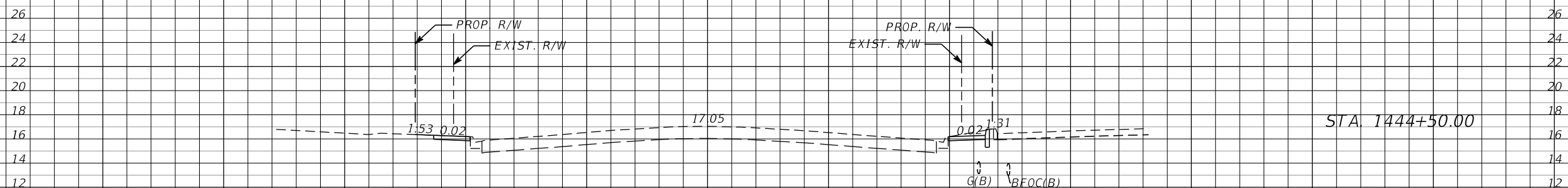


STA 1445+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
7.7	11.5	0.0		0.0	0.1
4.6	10.1	0.1		0.0	0.1
6.3	11.3	0.0		0.0	0.1



STA 1445+00.00



STA 1444+50.00

1" = 20' Horizontal  
1" = 10' Vertical

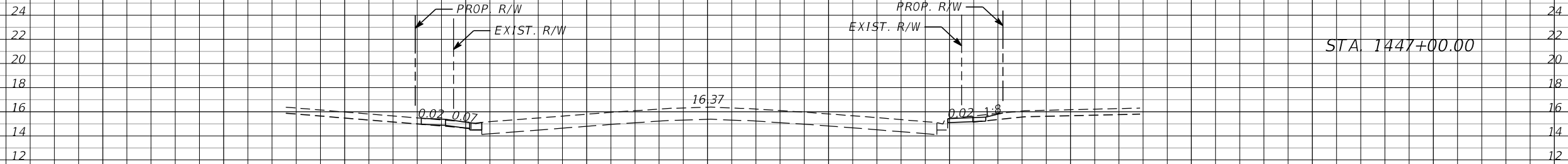
← SURVEY SR 45 (US 41)

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  96
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

CROSS SECTIONS (38)

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

← SURVEY SR 45 (US 41)

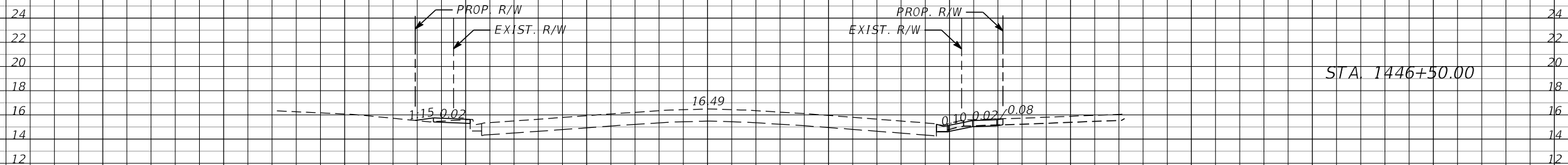


STA 1447+00.00

Regular Exc. Embankment

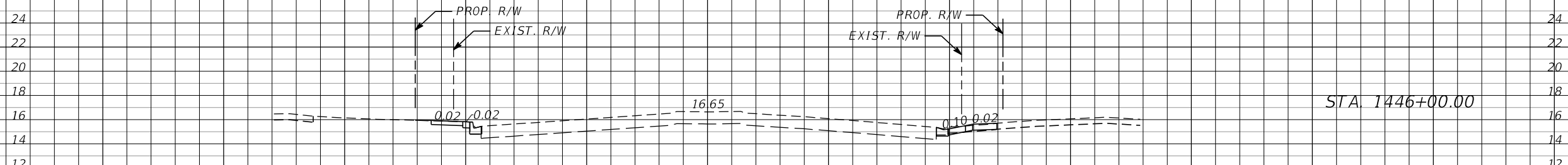
A V A V

1.7 3.6 1.4 1.8



STA 1446+50.00

2.1 4.5 0.5 0.9



STA 1446+00.00

2.7 9.6 0.4 0.4

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

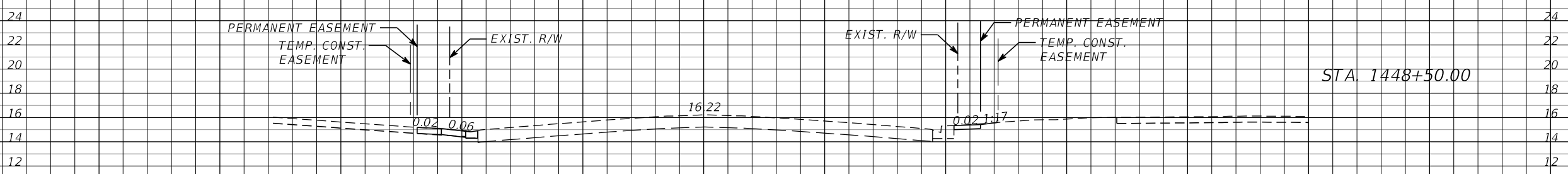
**CROSS SECTIONS (39)**

SHEET NO.  
97

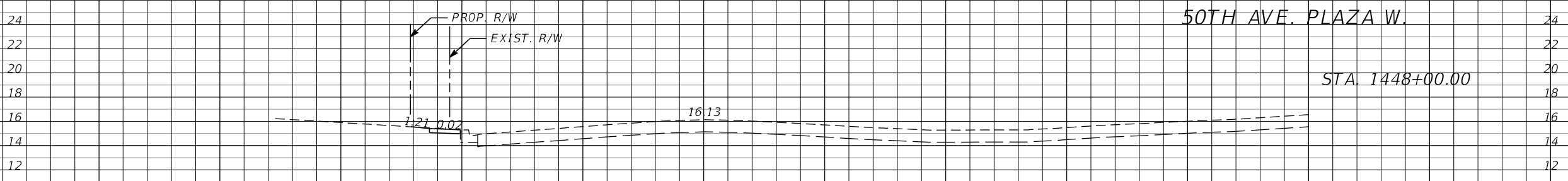
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

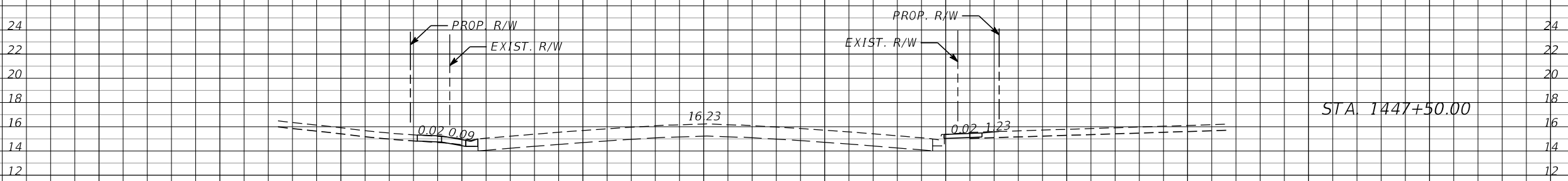
Regular Exc. Embankment  
A V A V



1.8  
3.5  
0.1  
0.1



1.9  
3.4  
0.0  
1.5



1.8  
3.2  
1.6  
2.8

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
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8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

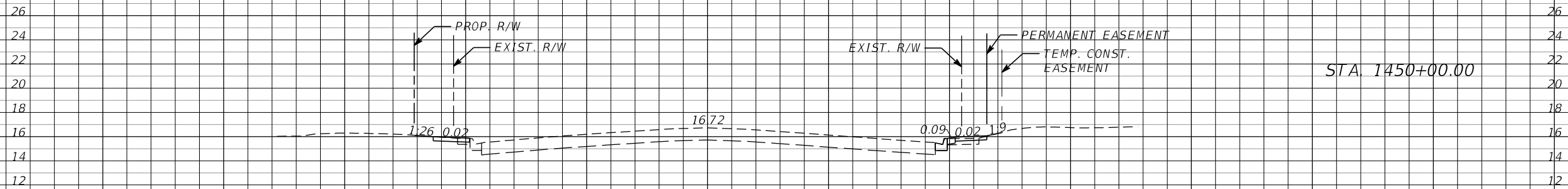
CROSS SECTIONS (40)

SHEET NO.  
98

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

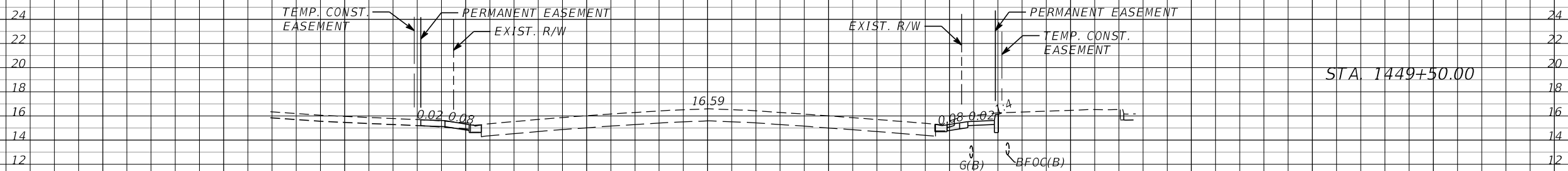


← SURVEY SR 45 (US 41)



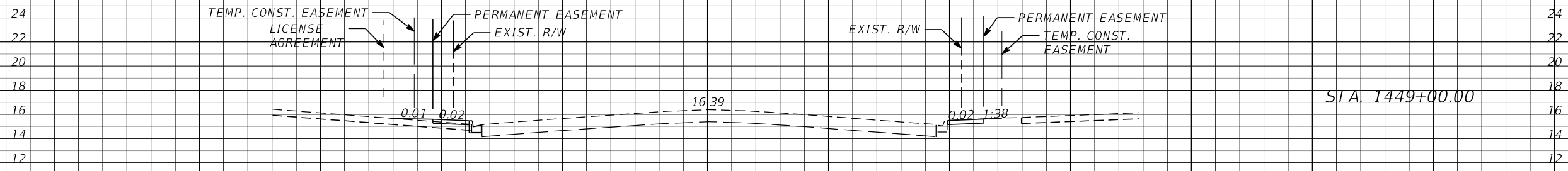
STA 1450+00.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
1.6	8.7	1.8		1.7	



STA 1449+50.00

7.8	9.3	0.1		5.1	
-----	-----	-----	--	-----	--



STA 1449+00.00

2.3	3.8	5.5		5.2	
-----	-----	-----	--	-----	--

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

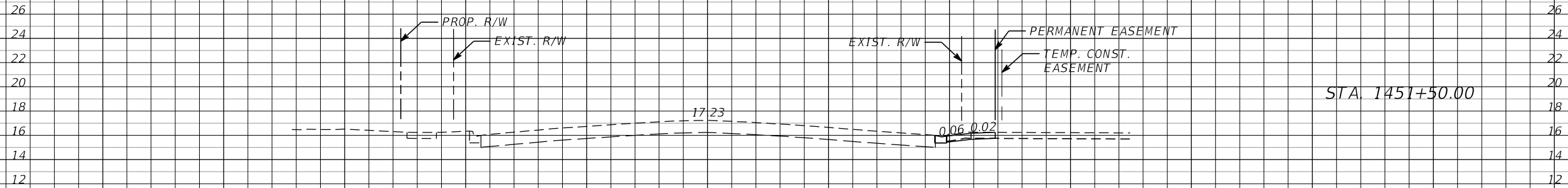
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (41)

SHEET NO.  
99

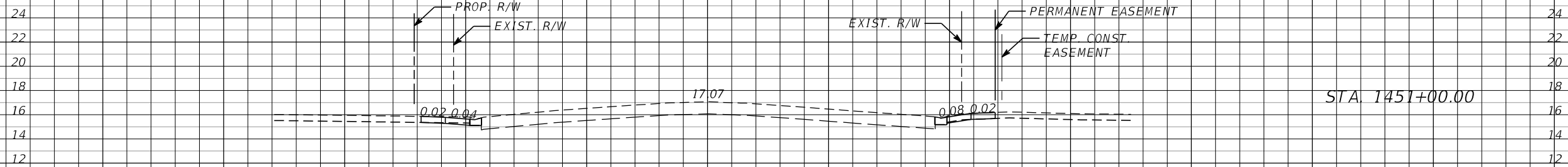
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

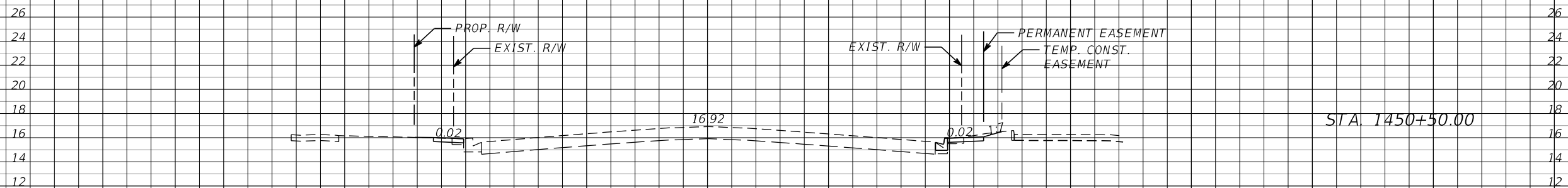


STA 1451+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
0.6	1.4	0.0	0.0	0.0	0.0
0.9	3.5	0.0	1.2	1.2	1.2
2.9	4.1	1.3	2.8	2.8	2.8



STA 1451+00.00



STA 1450+50.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (42)

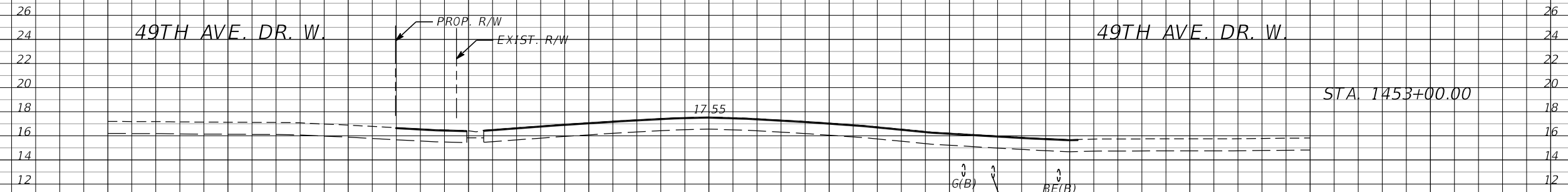
SHEET NO.  
100

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

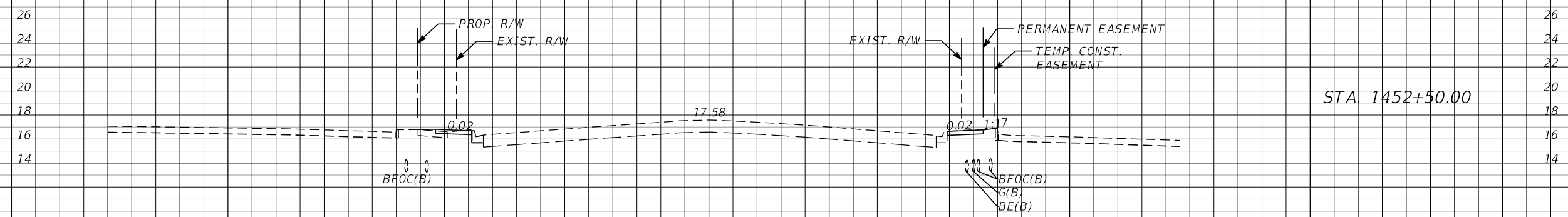
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

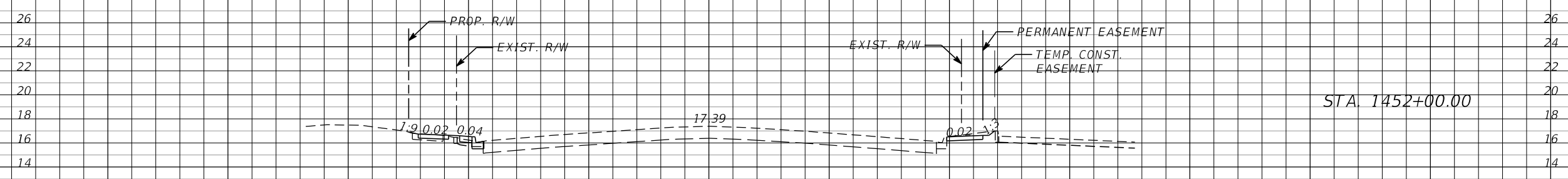
A V A V



0.0	3.2	0.0	2.1
-----	-----	-----	-----



3.4	6.4	2.3	4.4
-----	-----	-----	-----



3.5	3.8	2.5	2.3
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

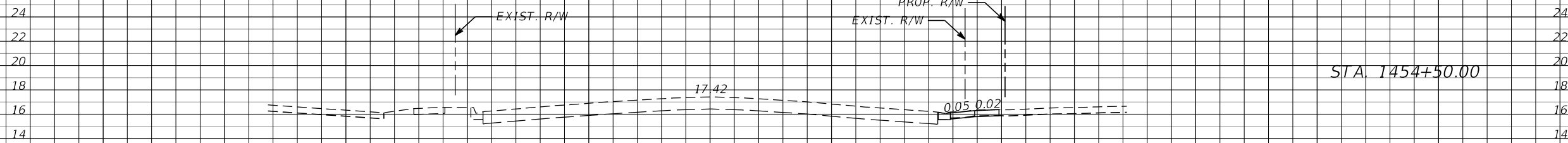
REVISIONS		DESCRIPTION		MANATEE COUNTY			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	101

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

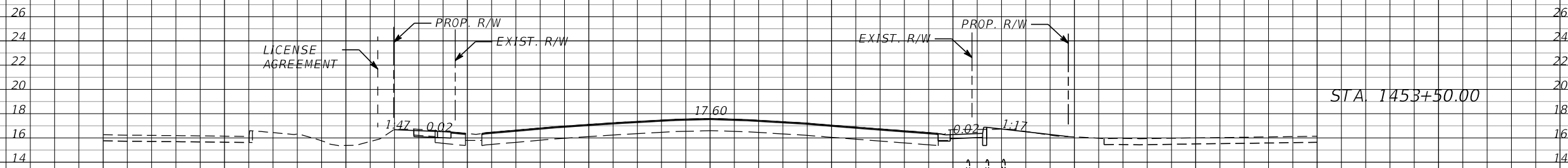
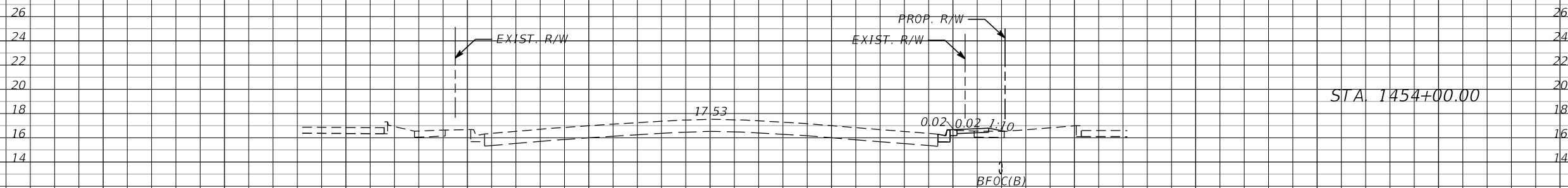
CROSS SECTIONS (43)

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← SURVEY SR 45 (US 41)



Regular		Exc.		Embankment	
A	V	A	V	A	V
0.3	1.3	0.0	2.3		
1.1	6.0	2.5	3.8		
5.4	5.0	1.6	1.5		



1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (44)**

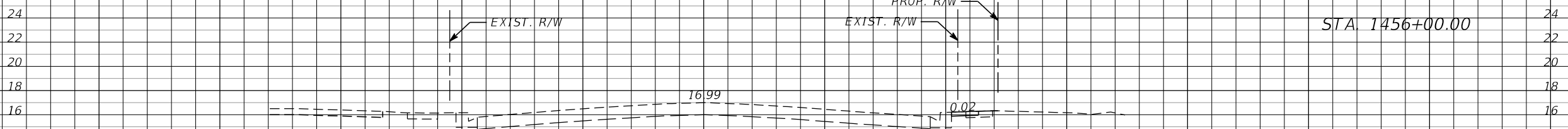
SHEET NO.  
102

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

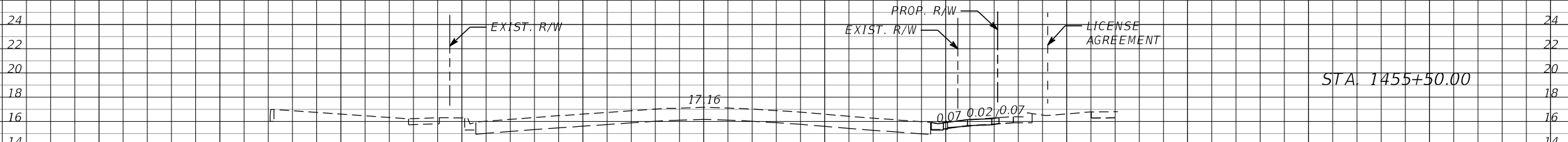
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

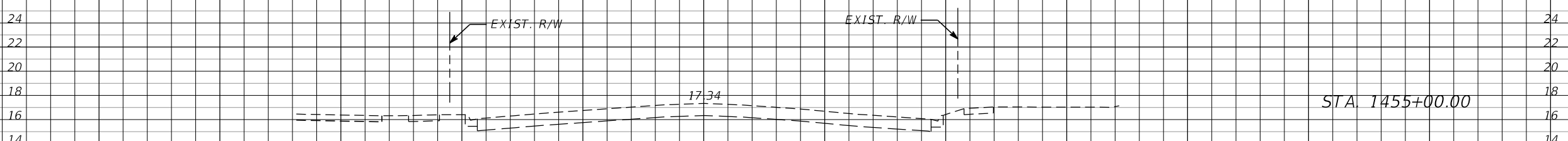
A V A V



0.8 0.9 1.5 1.5



0.2 0.2 0.1 0.1



0.0 0.3 0.0 0.0

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

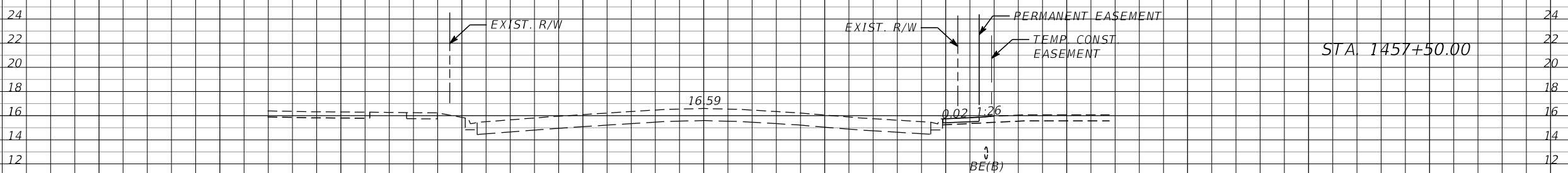
CROSS SECTIONS (45)

SHEET NO.  
103

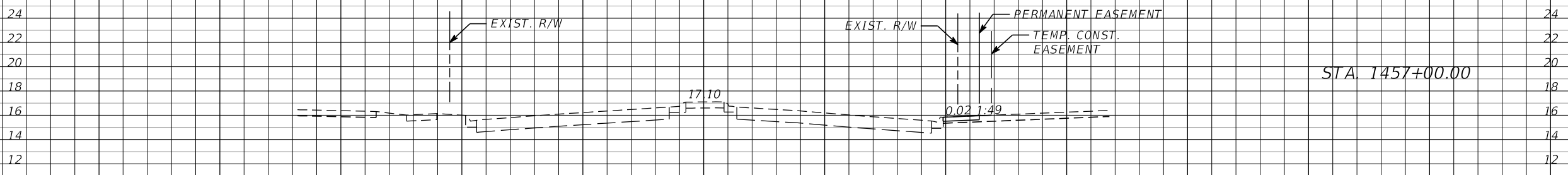
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

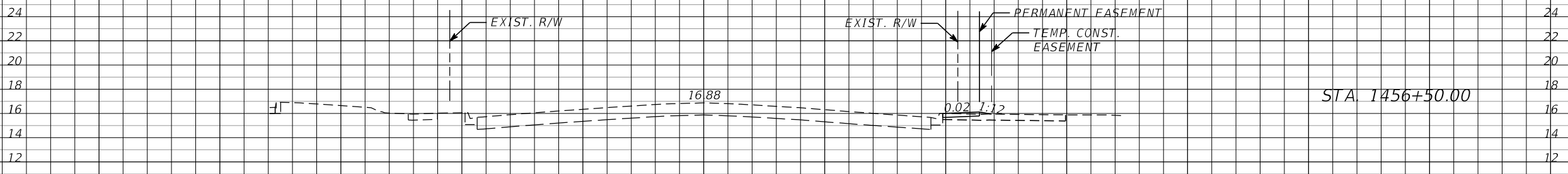
Regular Exc. Embankment  
A V A V



0.0	0.0	1.9	3.6
-----	-----	-----	-----



0.0	0.0	2.0	4.4
-----	-----	-----	-----



0.0	0.7	2.8	4.0
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (46)**

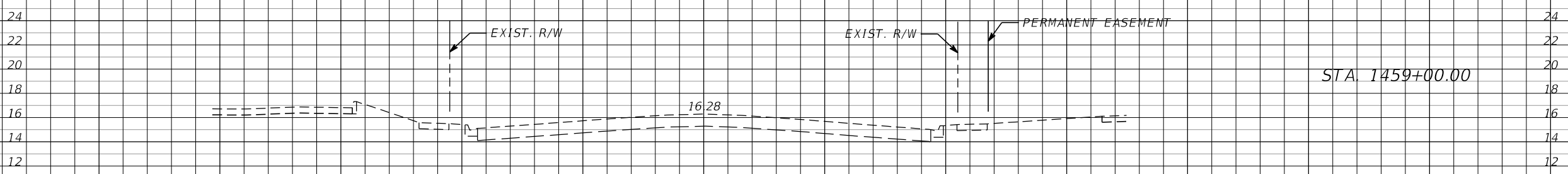
SHEET NO.  
104

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

← SURVEY SR 45 (US 41)

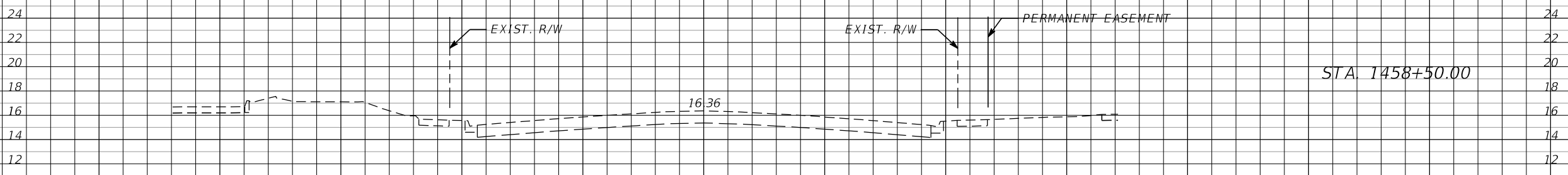
Regular Exc. Embankment

A V A V



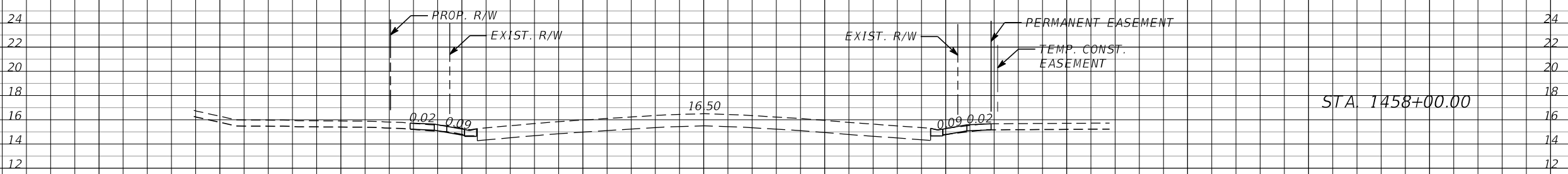
STA 1459+00.00

0.0 0.0 0.0 0.0



STA 1458+50.00

0.0 0.3 0.0 0.5



STA 1458+00.00

0.3 0.3 0.5 2.2

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

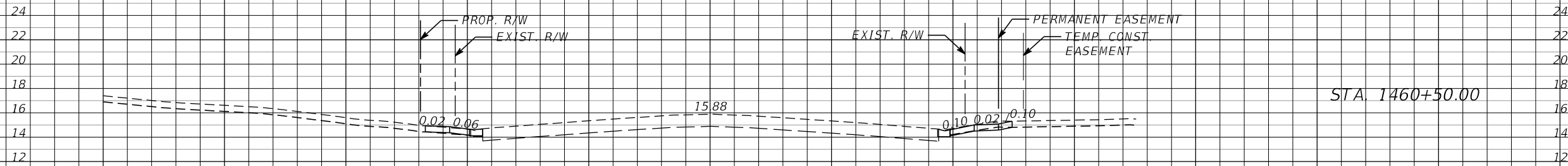
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (47)

SHEET NO.  
105

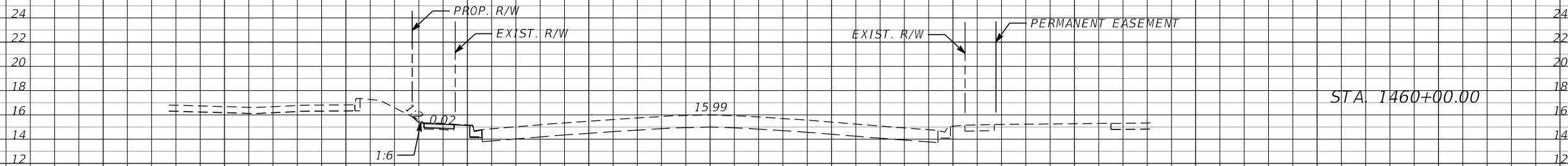
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

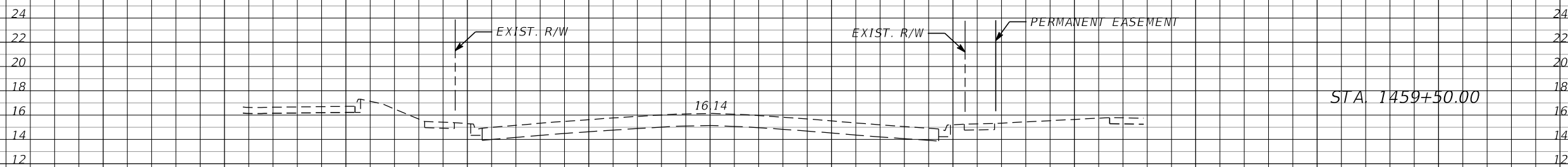


STA. 1460+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
1.8	2.1	0.0	0.5		
0.5	0.4	0.5	0.5		
0.0	0.0	0.0	0.0		



STA. 1460+00.00



STA. 1459+50.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

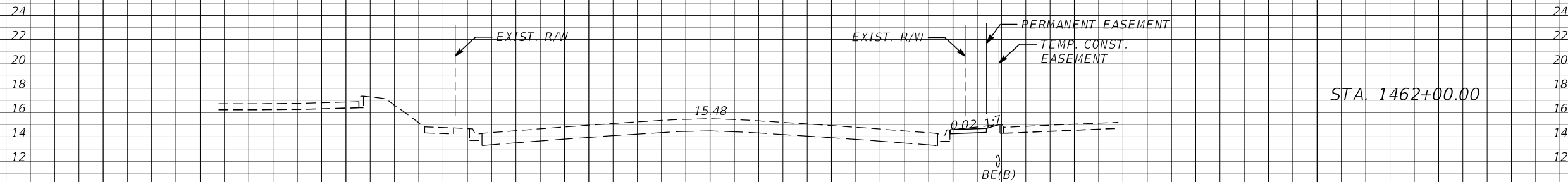
**CROSS SECTIONS (48)**

SHEET NO.  
**106**

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



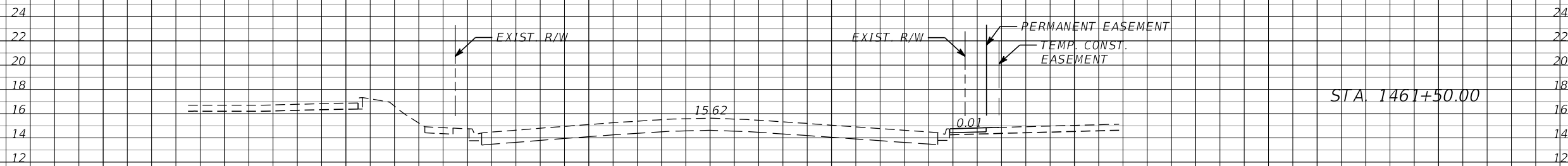
← SURVEY SR 45 (US 41)



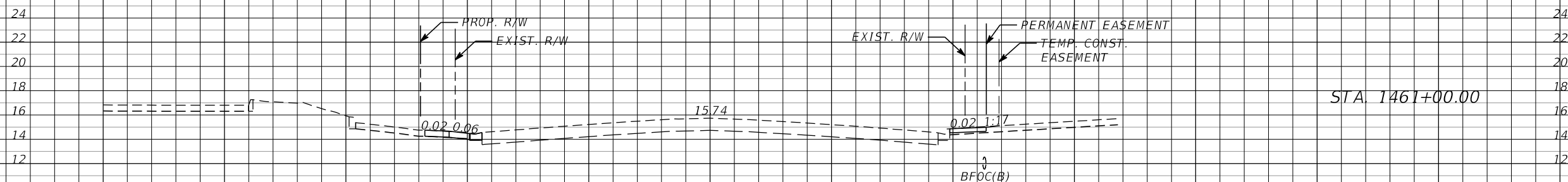
STA 1462+00.00

EQUATION:  
 STA. 1461+75.73 BK =  
 STA. 1461+73.46 AH

Regular		Exc.		Embankment	
A	V	A	V	A	V
2.8	2.6	0.0	1.9		
0.0	1.2	2.1	3.6		
1.3	2.8	1.8	1.7		



STA 1461+50.00



STA 1461+00.00

1" = 20' Horizontal  
 1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

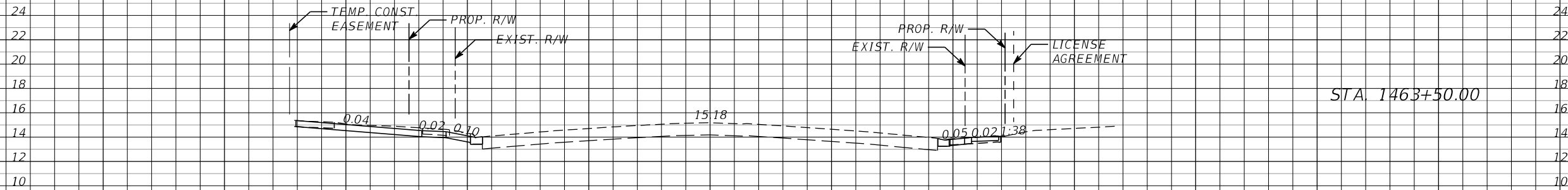
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (49)**

SHEET NO.  
 107

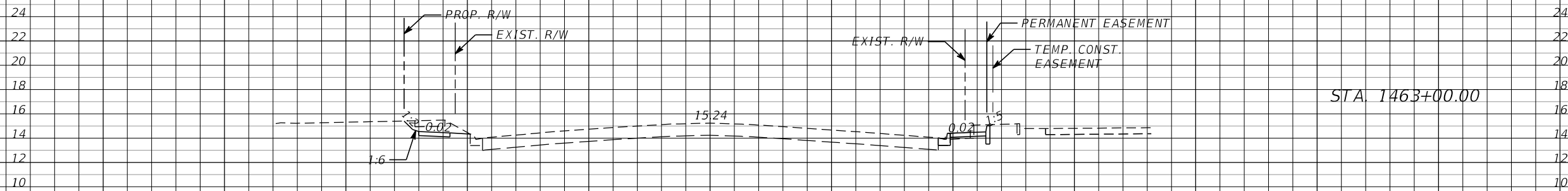
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

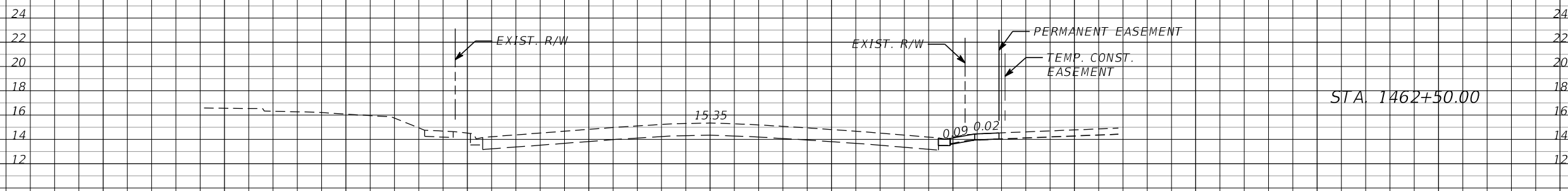


STA 1463+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
13.0				0.9	
	21.0				1.3
9.7				0.6	
	9.5				0.8
0.6				0.3	
	3.1				0.3



STA 1463+00.00



STA 1462+50.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

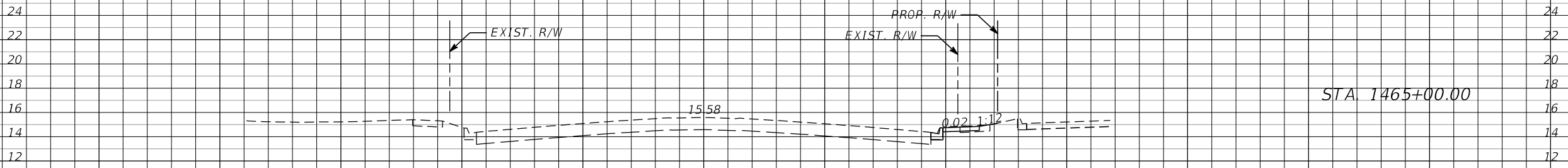
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (50)

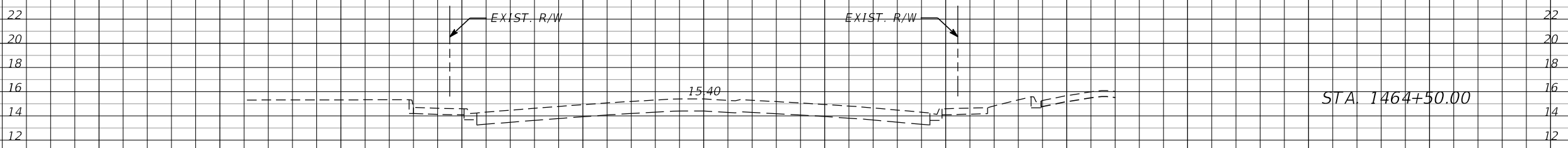
SHEET NO.  
108

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

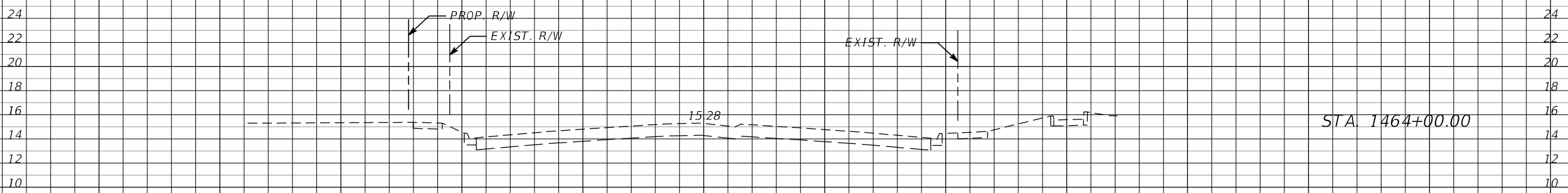
← SURVEY SR 45 (US 41)



Regular		Exc.		Embankment	
A	V	A	V	A	V
1.2			1.1	1.2	
					1.1



0.0			0.0	0.0	
					0.0



0.0			12.0	0.0	
					0.8

1" = 20' Horizontal  
1" = 10' Vertical

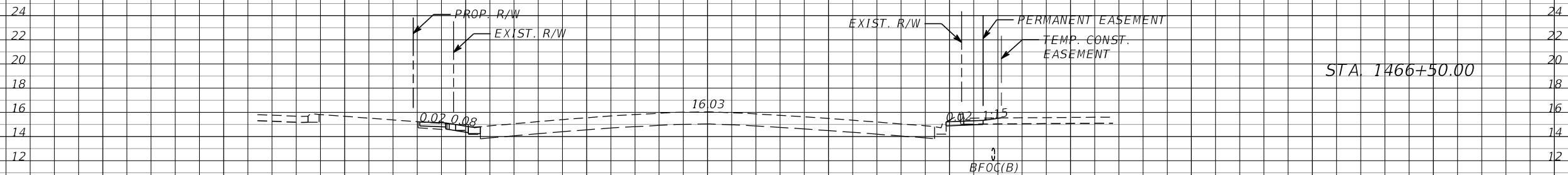
← SURVEY SR 45 (US 41)

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  109
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

CROSS SECTIONS (51)

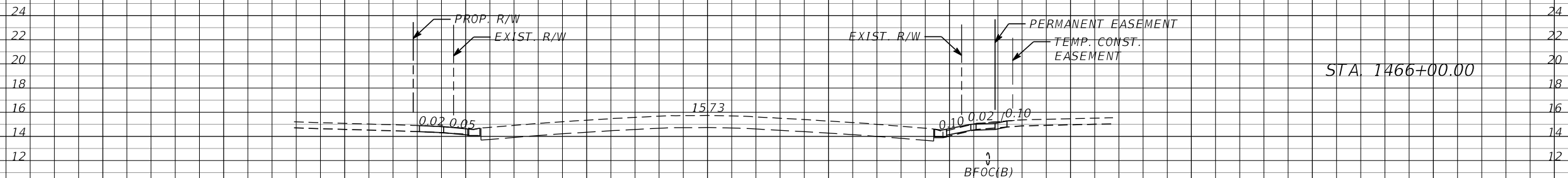
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

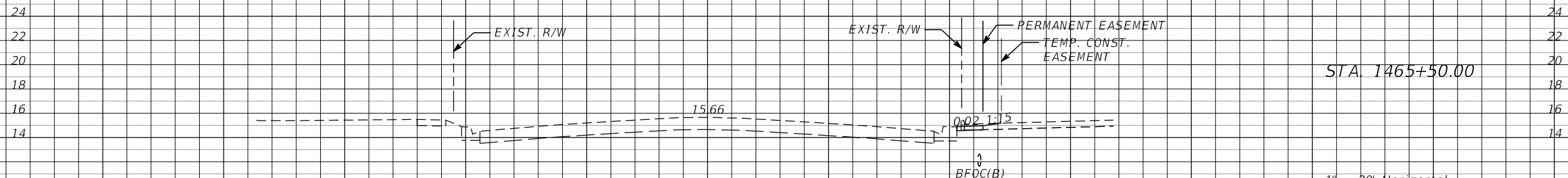


STA 1466+50.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
2.6	3.0	2.2		2.5	
0.6	1.0	0.5		1.6	
0.5	1.5	1.3		2.3	



STA 1466+00.00



STA 1465+50.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

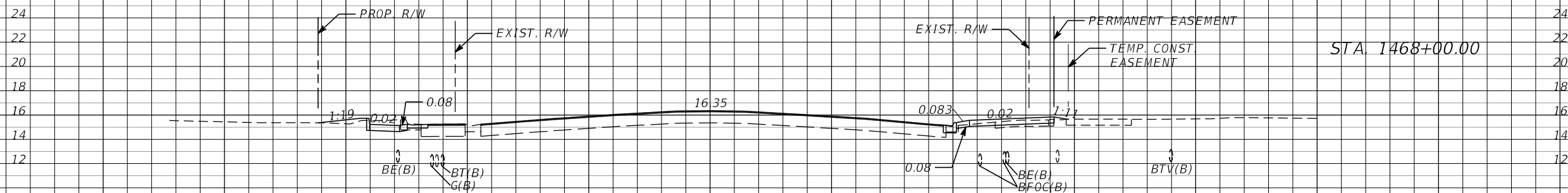
REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  110
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	<b>CROSS SECTIONS (52)</b>	

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

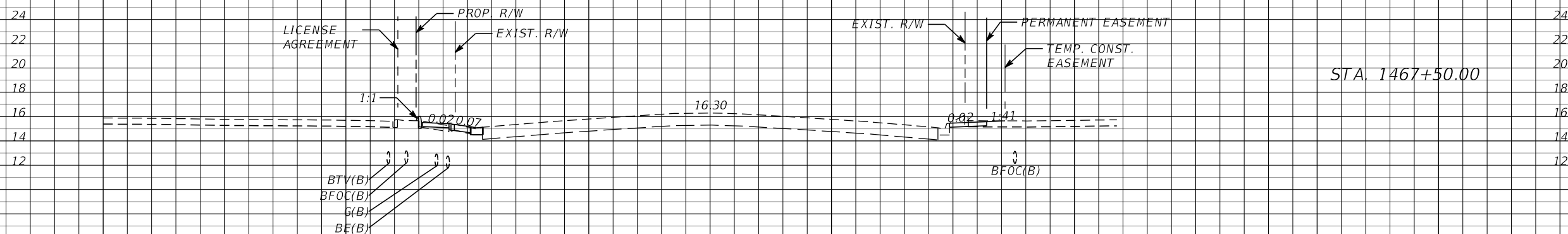
SR SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V

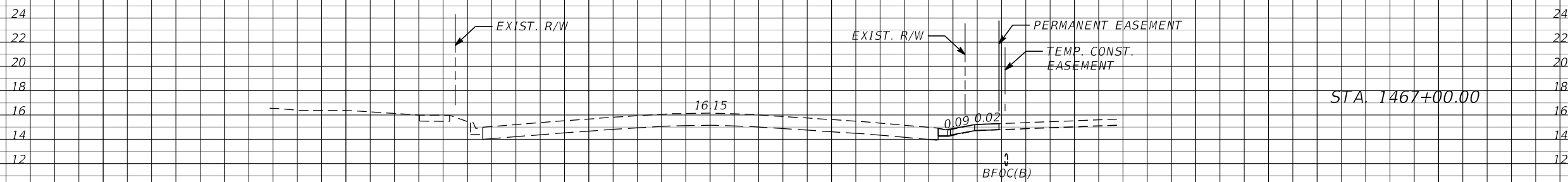
ORLANDO AVE.



6.2 7.4 4.7 7.0



1.7 1.6 2.8 2.6



0.0 2.4 0.0 2.1

1" = 20' Horizontal  
1" = 10' Vertical

SR SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (53)

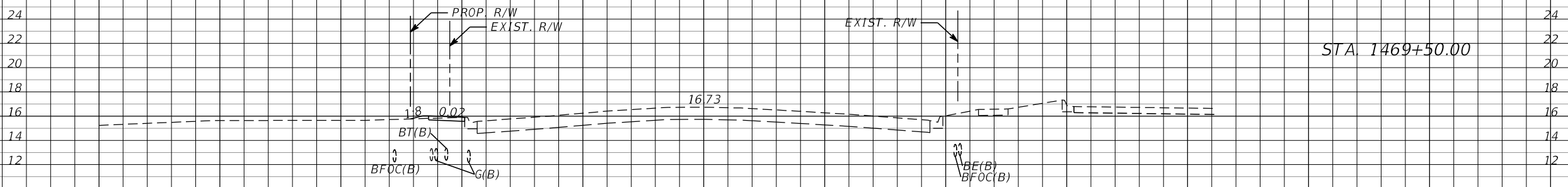
SHEET NO.  
111

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

← SURVEY SR 45 (US 41)

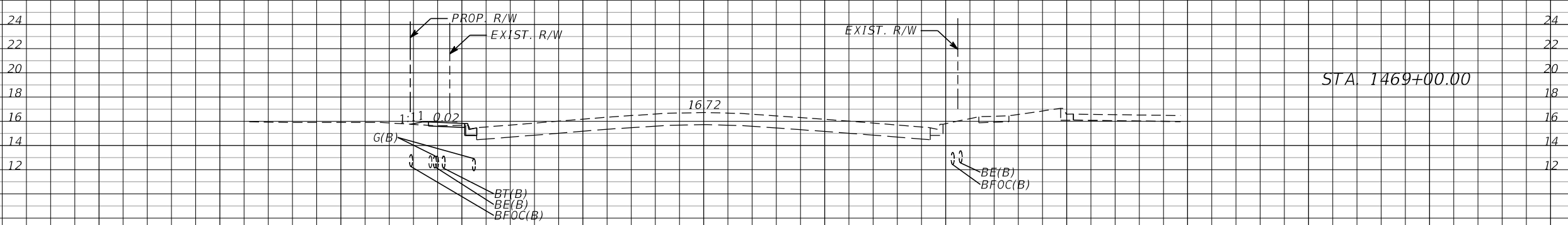
Regular Exc. Embankment

A V A V



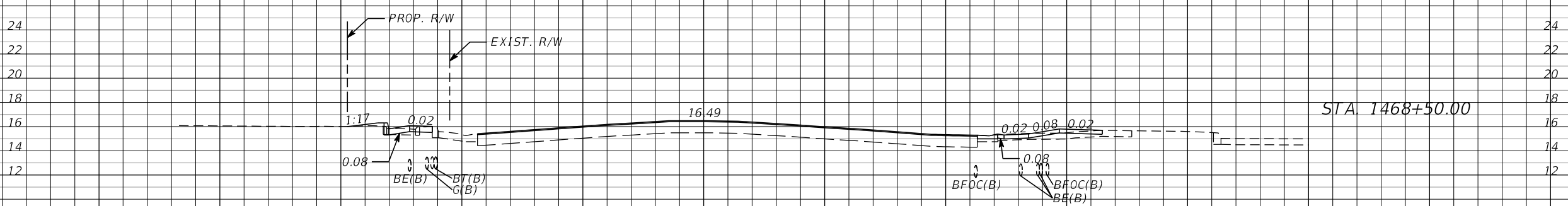
24				
22				
20				
18	1.4		0.4	
16		2.0		0.9
14				
12				

STA 1469+50.00



24				
22				
20				
18				
16	0.8		0.5	
14		1.7		7.1
12				

STA 1469+00.00



24				
22				
20				
18				
16				
14	1.0		7.2	
12		6.7		11.1

STA 1468+50.00

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (54)

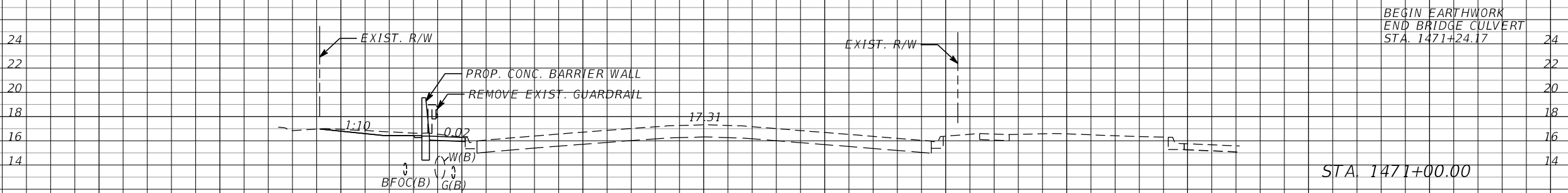
SHEET NO.  
112

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SR SURVEY SR 45 (US 41)

Regular Exc. Embankment

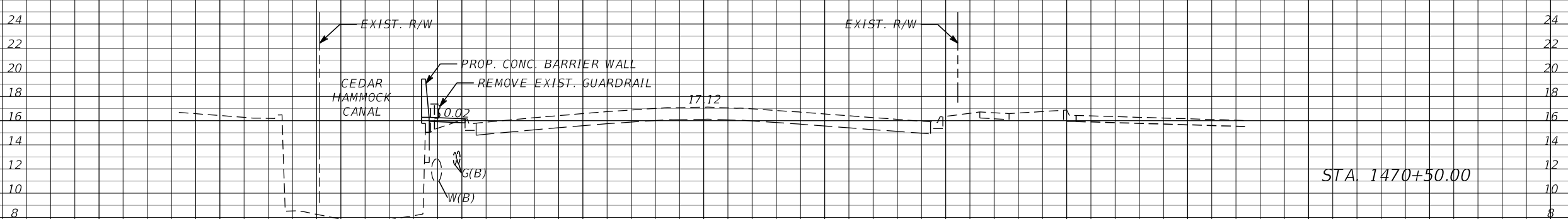
A V A V



BEGIN EARTHWORK  
END BRIDGE CULVERT  
STA. 1471+24.17

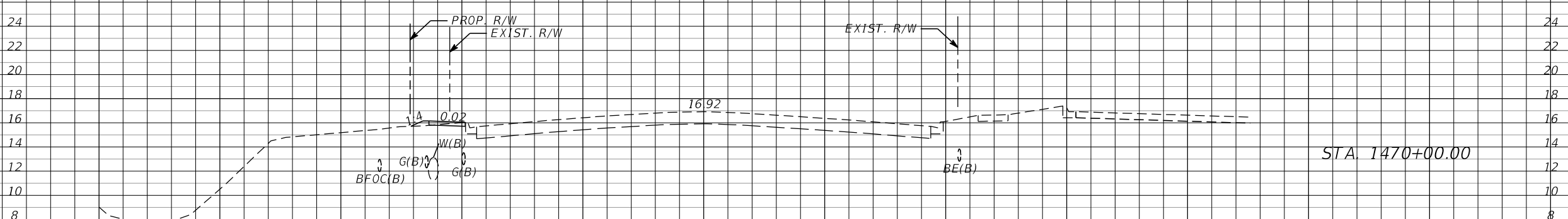
24	0.0	0.0	0.0	0.0
22				
20				
18				
16	0.0	0.0	0.0	0.0
14				

BRIDGE CULVERT  
END EARTHWORK  
STA. 1470+98.83



STA 1470+50.00

24				
22				
20				
18				
16				
14				
12	0.3	1.1	0.0	0.8
10				
8				



STA 1470+00.00

24				
22				
20				
18				
16				
14				
12	0.9	2.1	0.8	1.2
10				
8				

1" = 20' Horizontal  
1" = 10' Vertical

SR SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (55)

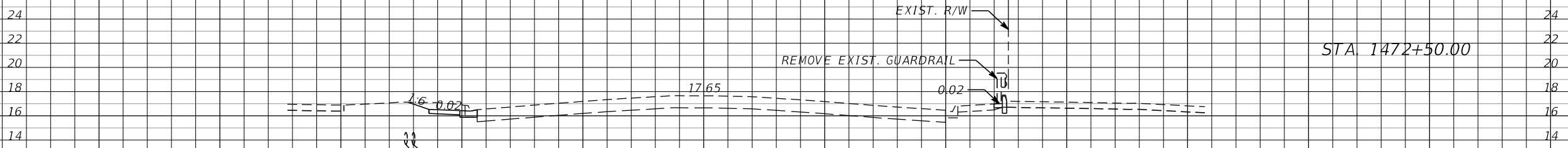
SHEET NO.  
113

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

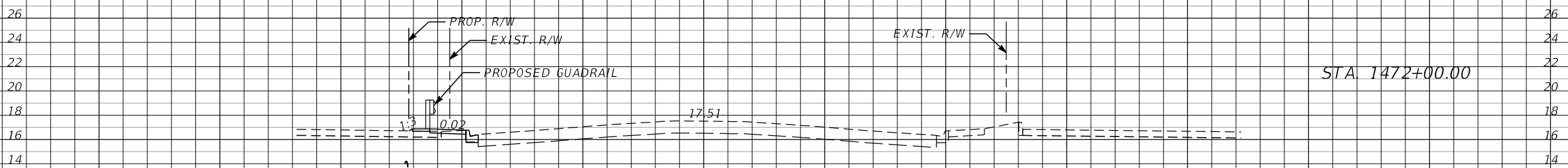
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

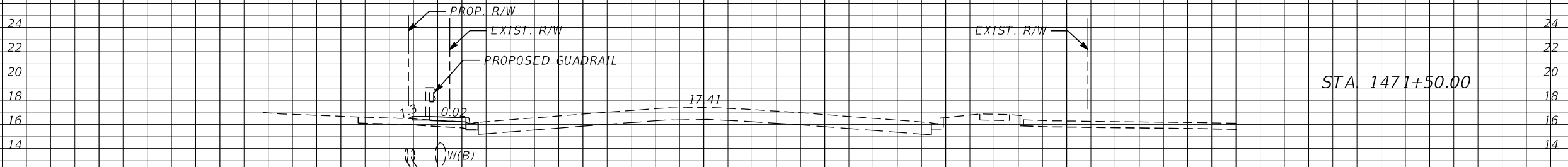
A V A V



6.8  
6.3  
0.1  
2.6



0.0  
0.0  
2.8  
7.4



0.0  
7.1  
5.2  
4.8

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (56)**

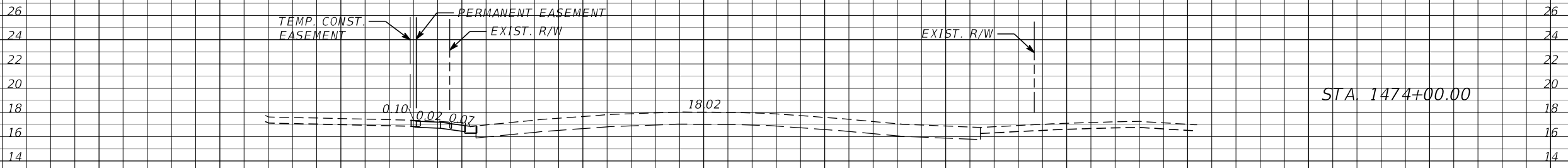
SHEET NO.  
114

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

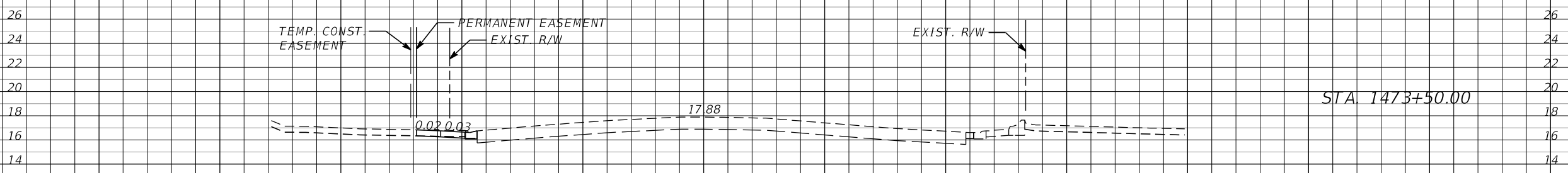


← SURVEY SR 45 (US 41)

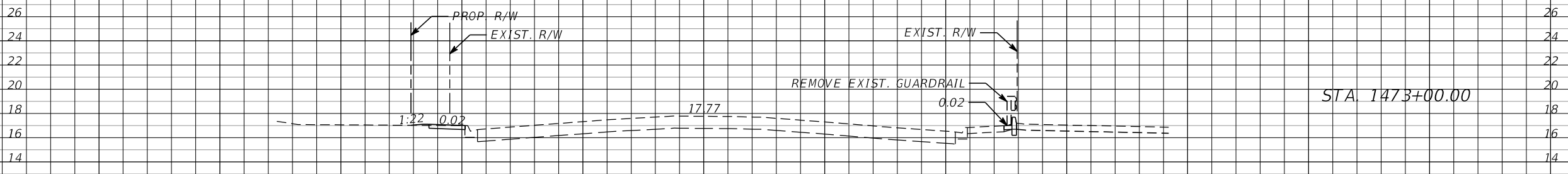
Regular Exc. Embankment  
A V A V



4.6  
4.8  
0.0  
0.0



0.6  
2.4  
0.0  
0.3



2.1  
8.2  
0.3  
0.4

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (57)

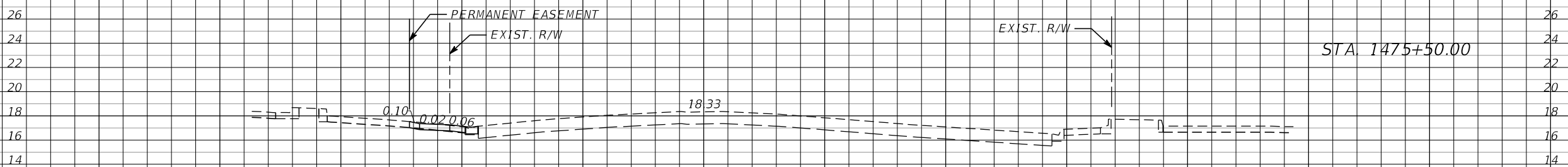
SHEET NO.  
115

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

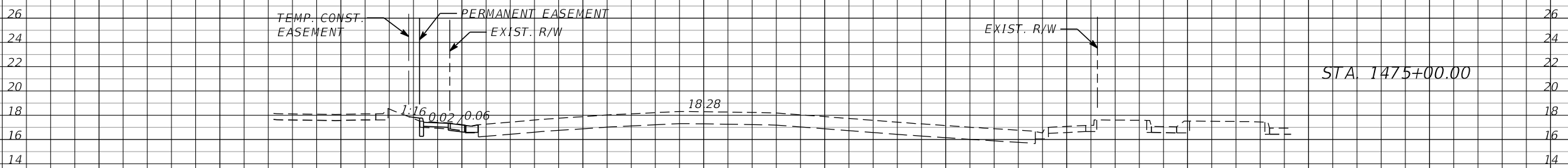
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

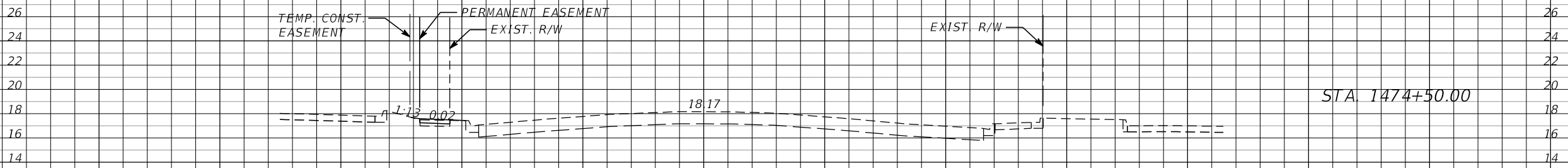
A V A V



0.0	0.8	0.8	1.5
-----	-----	-----	-----



0.8	0.8	0.8	1.9
-----	-----	-----	-----



0.0	4.3	1.3	1.2
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

100 80 60 40 20 0 20 40 60 80 100

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

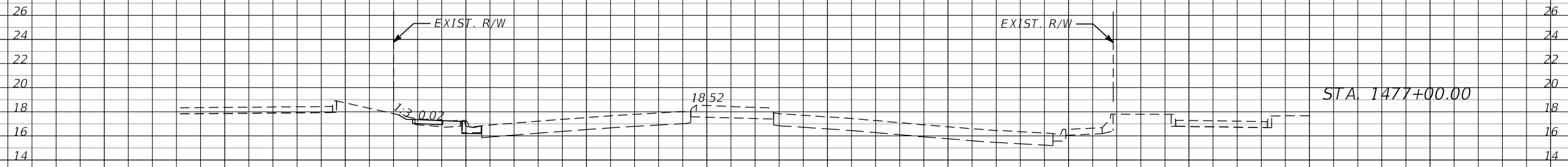
**CROSS SECTIONS (58)**

SHEET NO.  
**116**

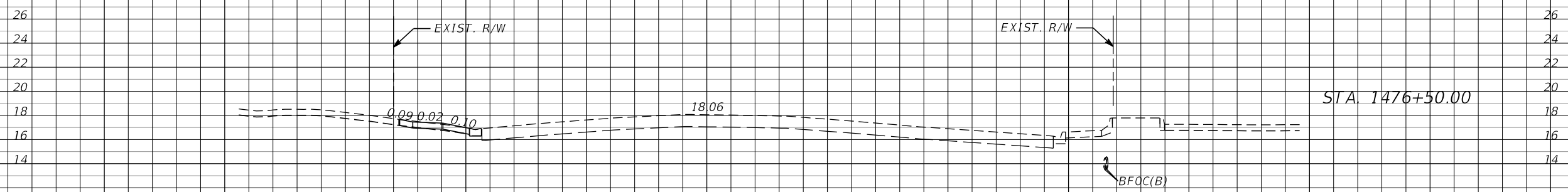
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

← SURVEY SR 45 (US 41)

Regular Exc. Embankment  
A V A V



0.9 1.0 2.0 2.2



0.3 0.5 0.4 1.8



0.3 0.3 1.6 2.3

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS		DESCRIPTION		MANATEE COUNTY			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 45	MANATEE	433592-4-58-01	117

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

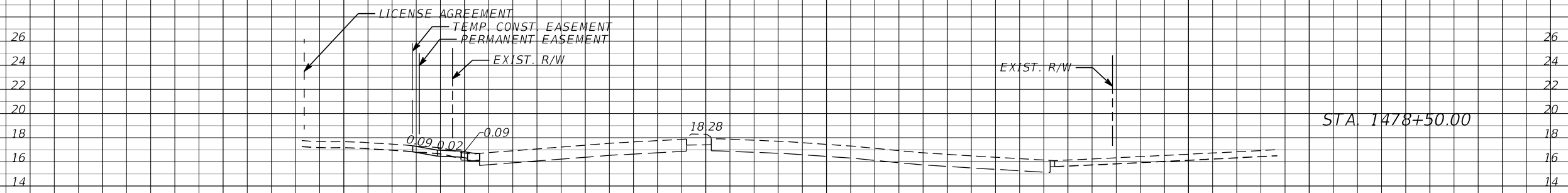
CROSS SECTIONS (59)

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

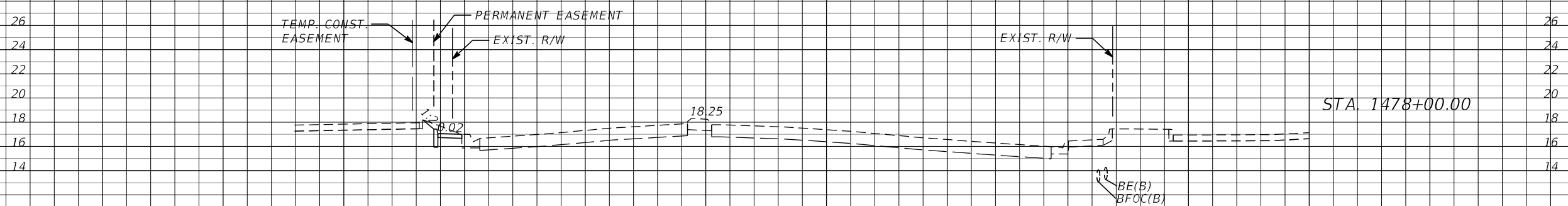
BE SURVEY SR 45 (US 41)

Regular Exc. Embankment

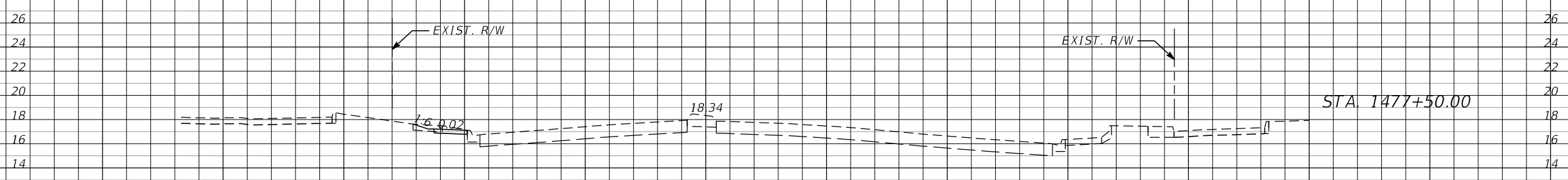
A V A V



0.1 8.2 0.7 0.6



8.7 10.1 0.0 0.8



2.3 2.9 0.8 2.6

1" = 20' Horizontal  
1" = 10' Vertical

BE SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

CROSS SECTIONS (60)

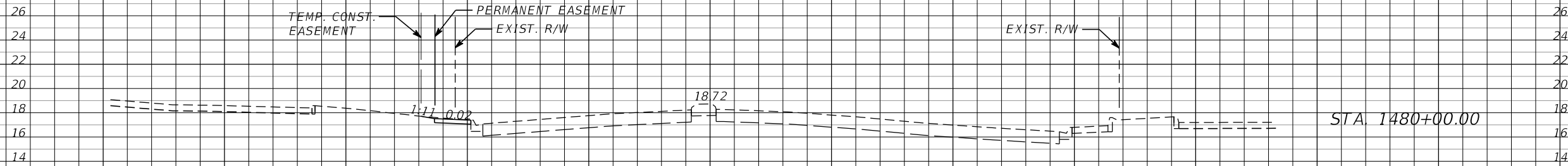
SHEET NO.  
118

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

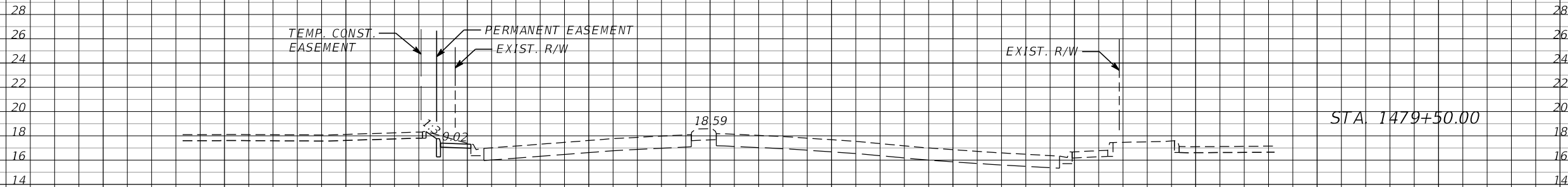
← SURVEY SR 45 (US 41)

Regular Exc. Embankment

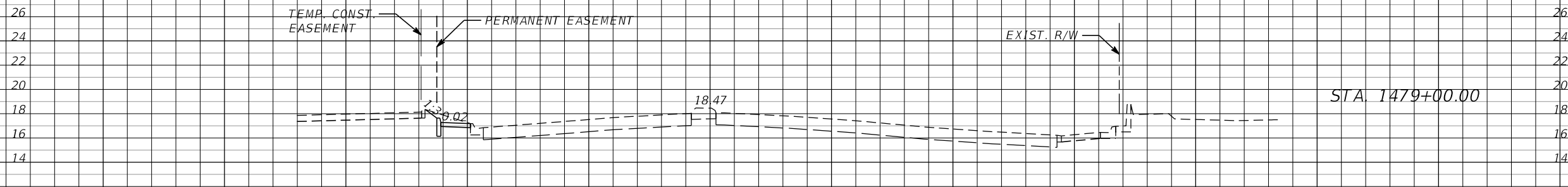
A V A V



2.4  
10.3  
0.0  
0.0



8.7  
16.5  
0.0  
0.0



9.1  
8.6  
0.0  
0.6

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS		REVISIONS		JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			CROSS SECTIONS (61)	SHEET NO. 119
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

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

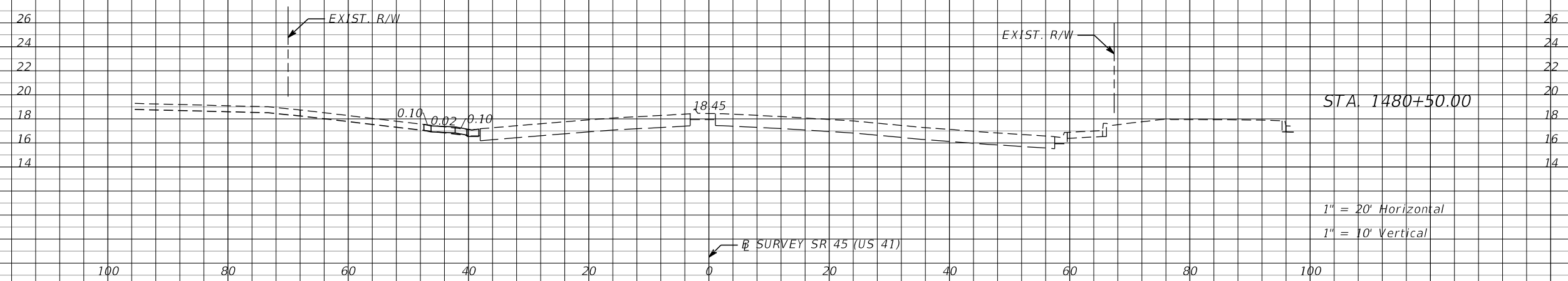
← SURVEY SR 45 (US 41)

Regular Exc.		Embankment	
A	V	A	V

END CONSTRUCTION  
STA. 1484+53.06

END EARTHWORK  
END PROJECT  
STA. 1480+97.30

0.0	0.0	0.0	0.0
-----	-----	-----	-----



0.2	2.4	0.3	0.2
-----	-----	-----	-----

1" = 20' Horizontal  
1" = 10' Vertical

← SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

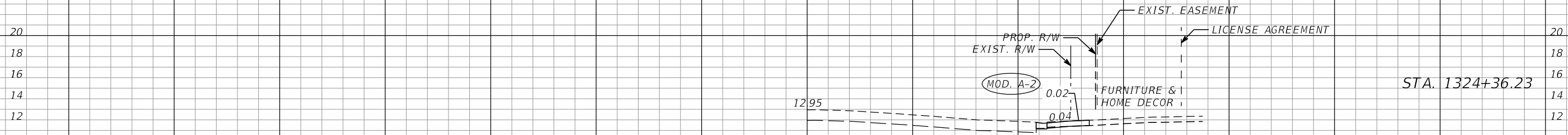
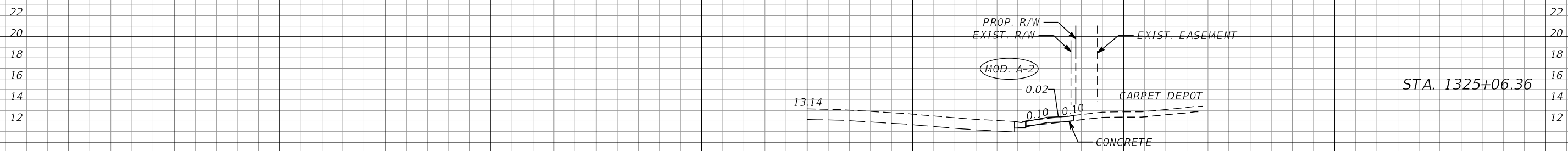
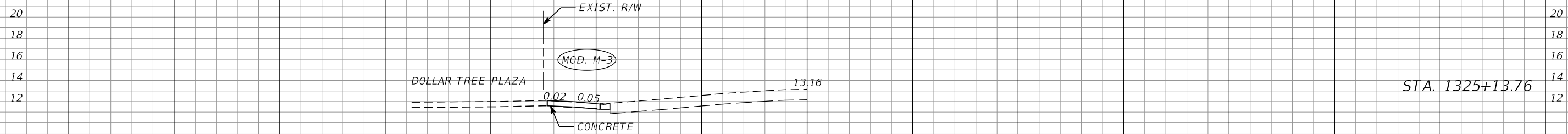
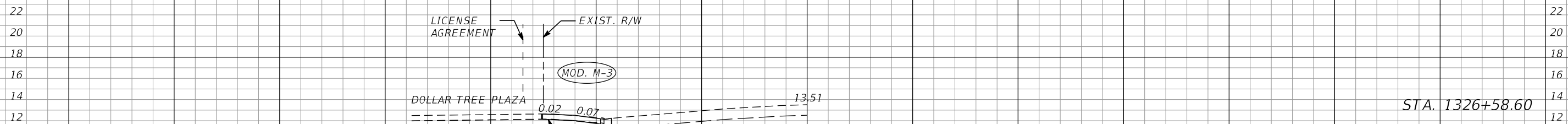
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CROSS SECTIONS (62)**

SHEET NO.  
**120**

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⊕ SURVEY SR 45 (US 41)



⊕ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

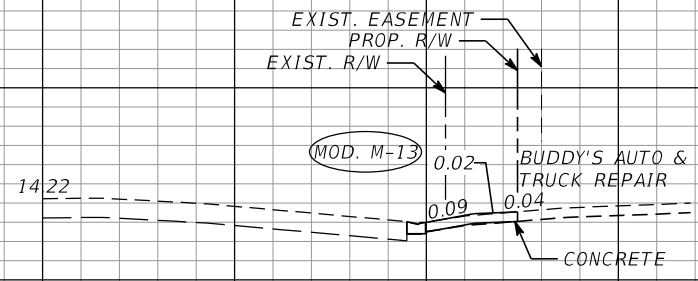
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (01)**

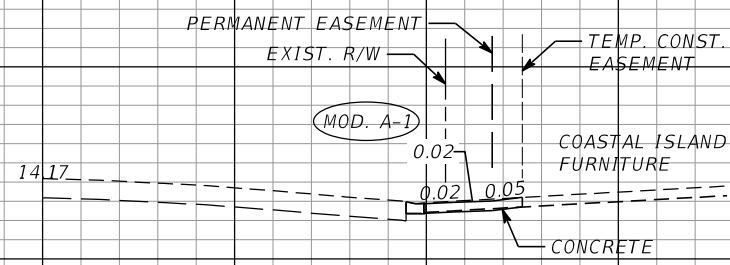
SHEET NO.  
**121**

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

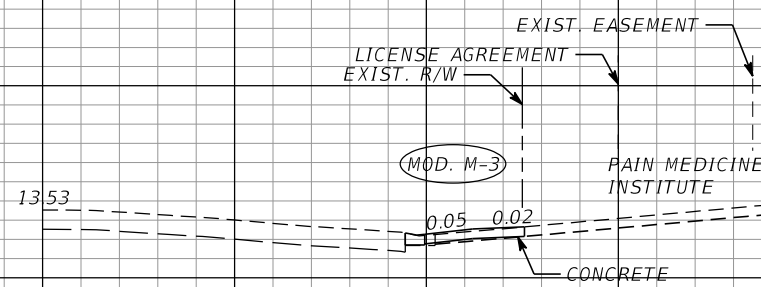
Ⓟ SURVEY SR 45 (US 41)



STA. 1331+15.05



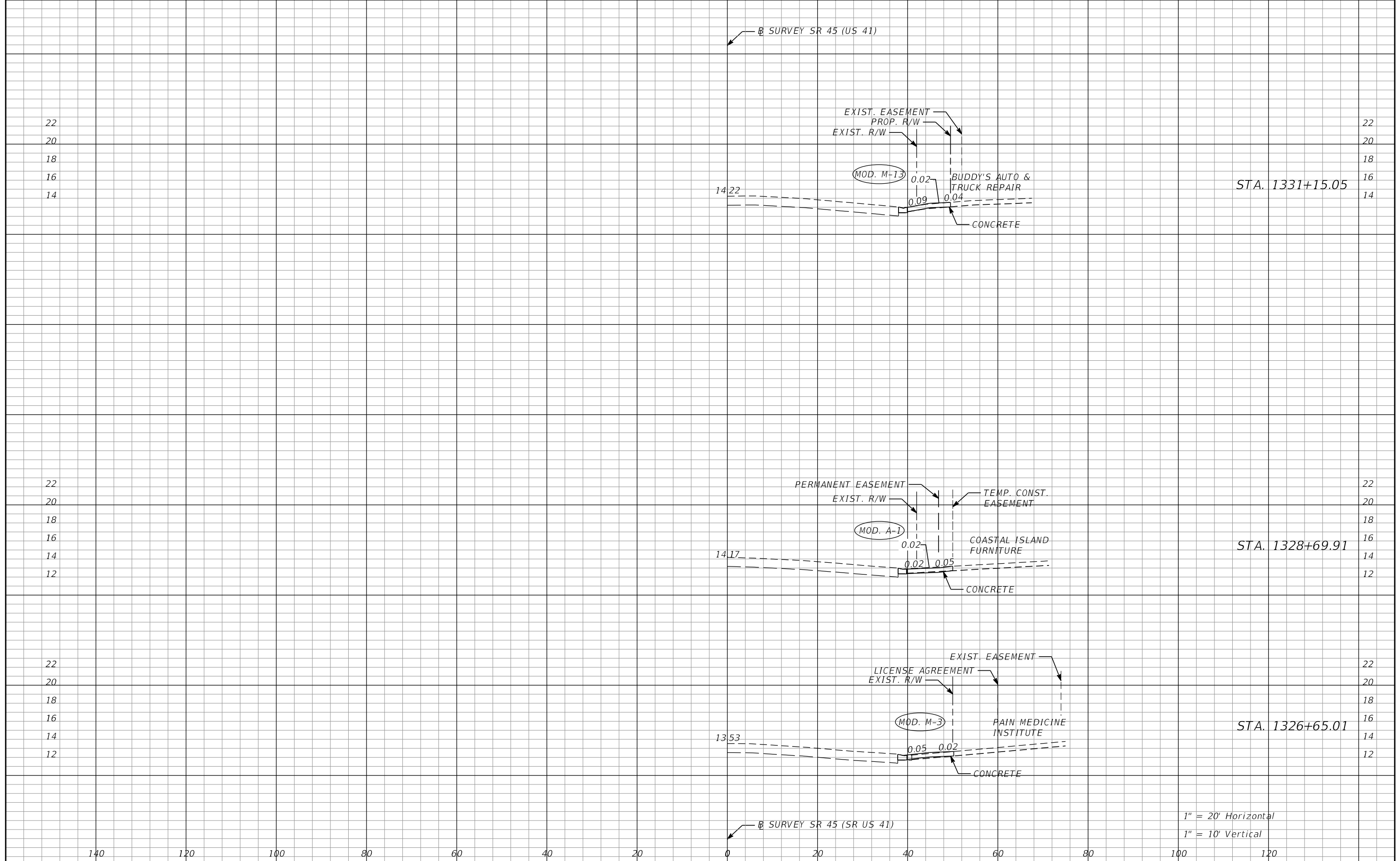
STA. 1328+69.91



STA. 1326+65.01

Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

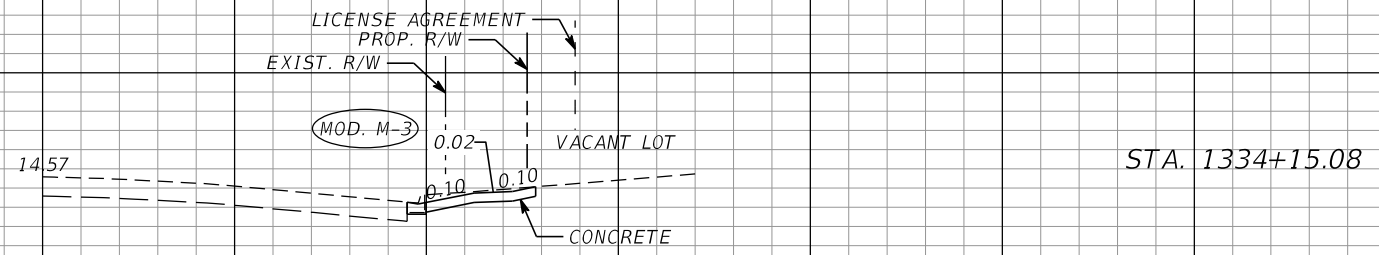
**DRIVEWAY HALF  
SECTIONS (02)**

SHEET NO.  
**122**

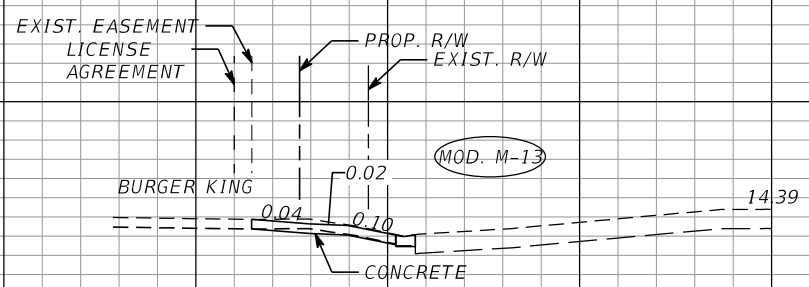
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



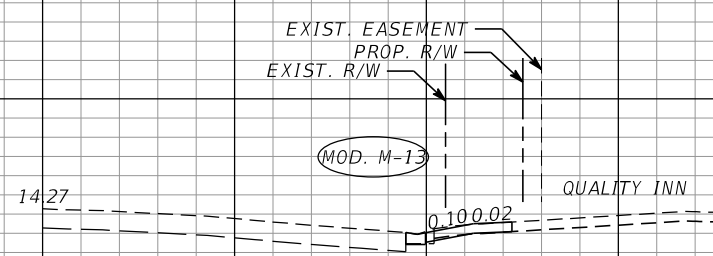
Ⓟ SURVEY SR 45 (US 41)



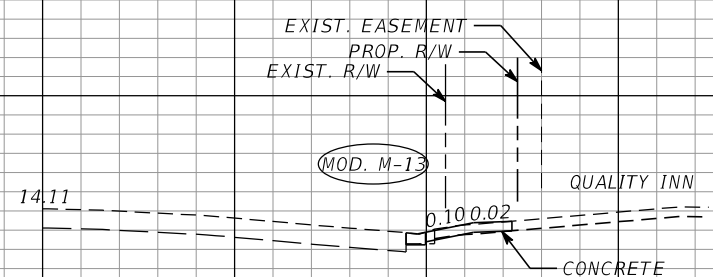
STA. 1334+15.08



STA. 1333+54.49



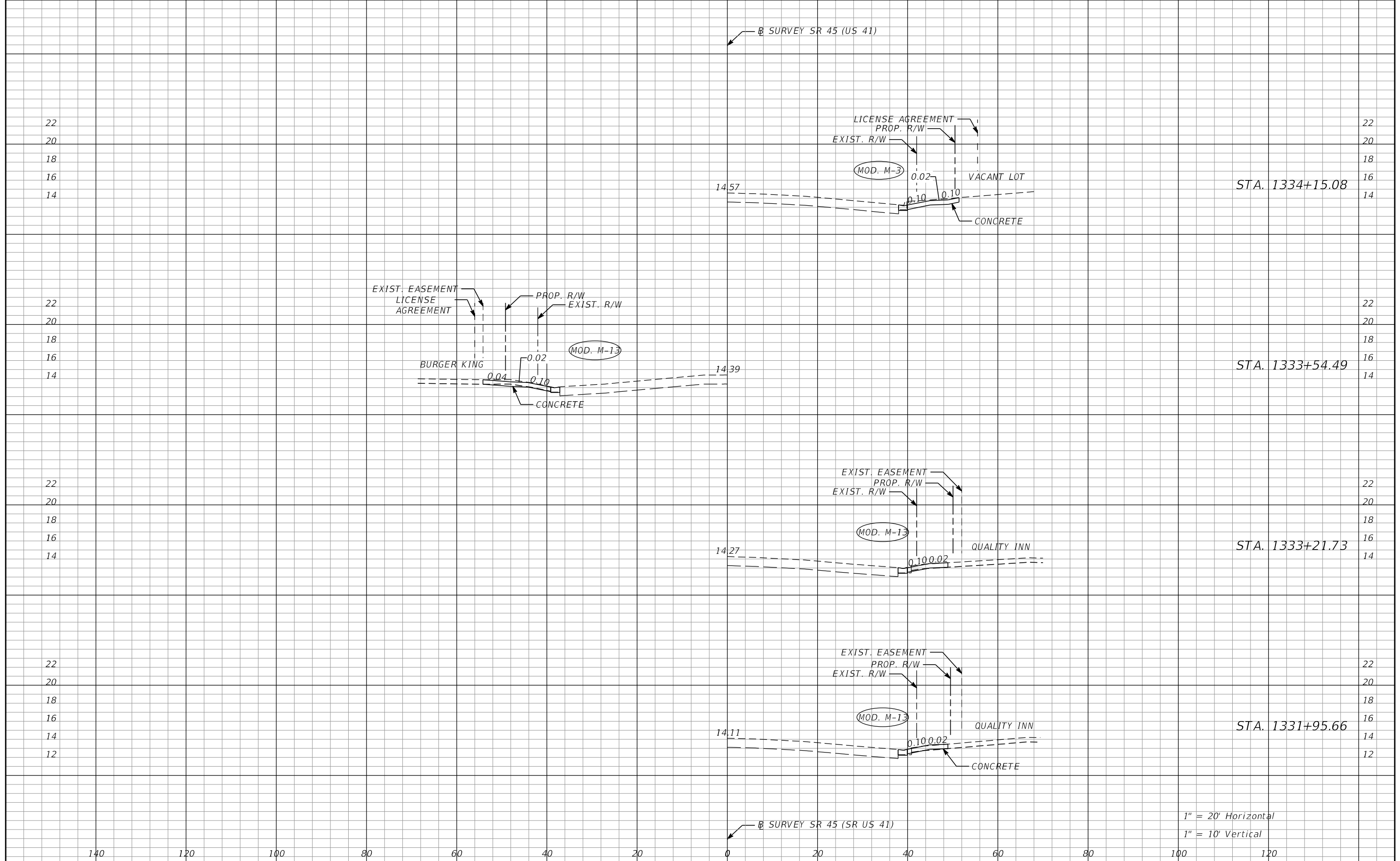
STA. 1333+21.73



STA. 1331+95.66

Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

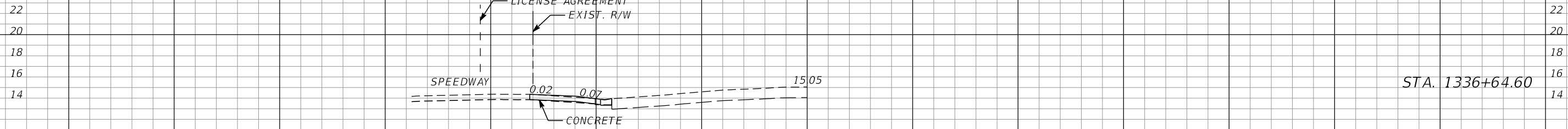


REVISIONS				MANATEE COUNTY			DRIVEWAY HALF SECTIONS (03)	SHEET NO. 123
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	MANATEE	433592-4-58-01		

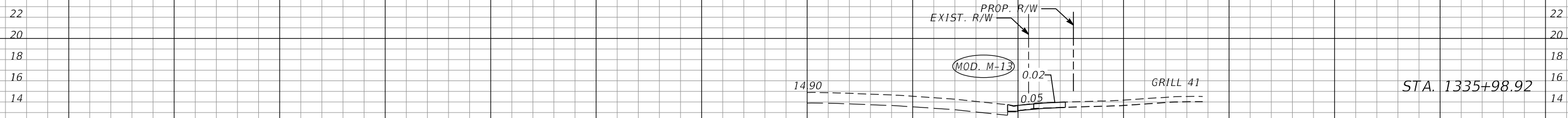
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

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

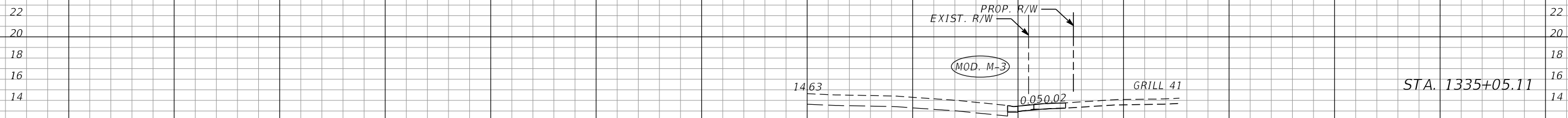
Ⓟ SURVEY SR 45 (US 41)



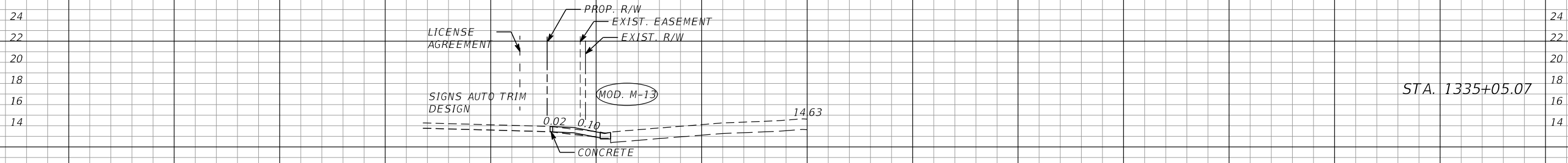
STA. 1336+64.60



STA. 1335+98.92



STA. 1335+05.11



STA. 1335+05.07

Ⓟ SURVEY SR 45 (SR US 41)

140 120 100 80 60 40 20 0 20 40 60 80 100 120

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

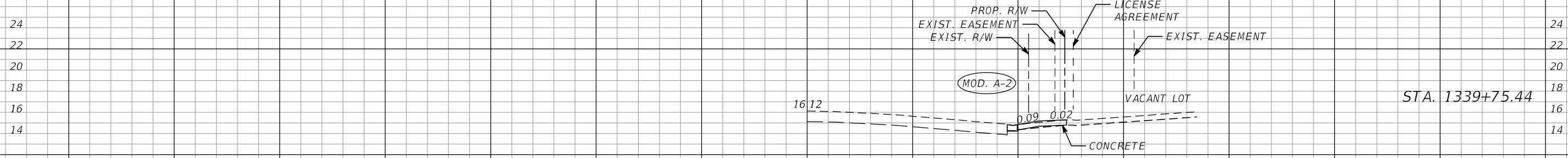
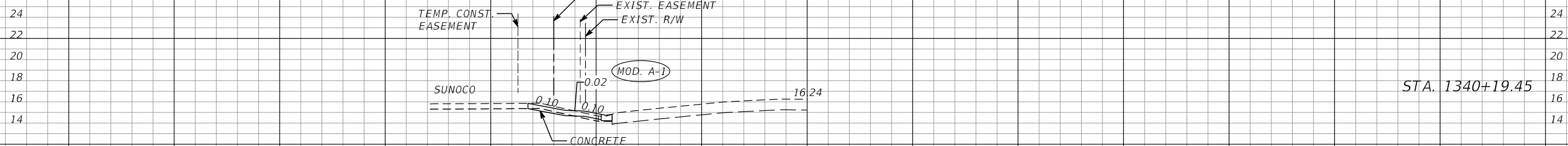
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (04)**

SHEET NO.  
**124**

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Ⓟ SURVEY SR 45 (US 41)



Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

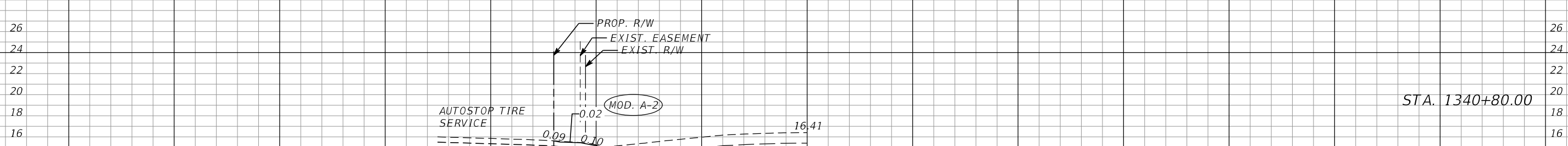
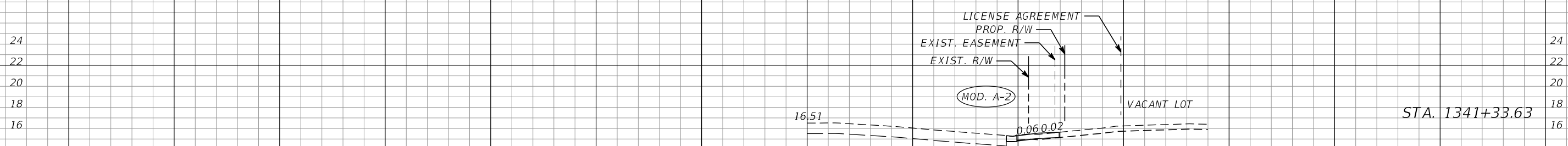
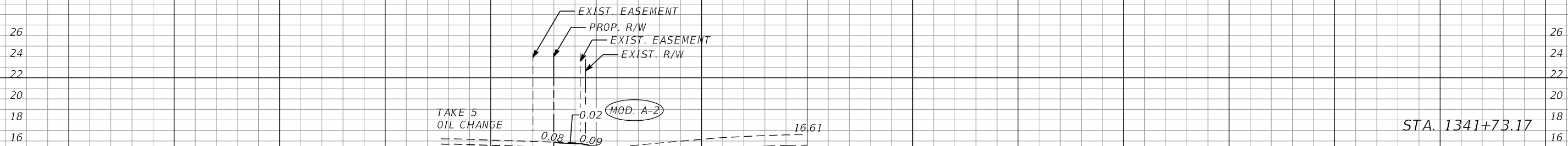
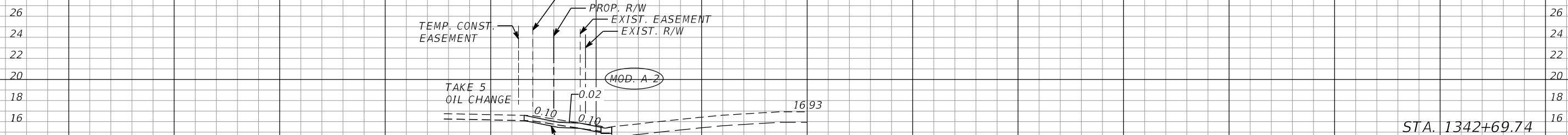
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (05)**

SHEET NO.  
**125**

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Ⓟ SURVEY SR 45 (US 41)



Ⓟ SURVEY SR 45 (SR US 41)

140 120 100 80 60 40 20 0 20 40 60 80 100 120

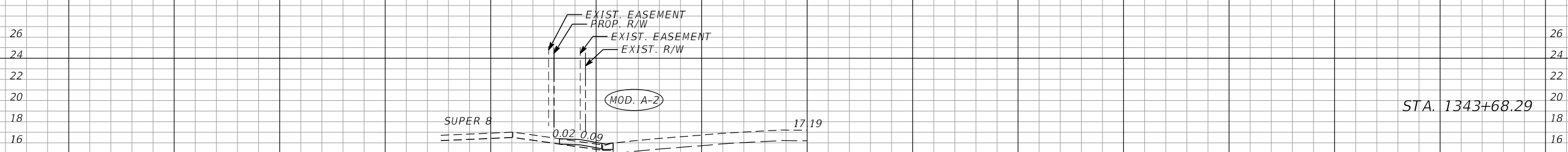
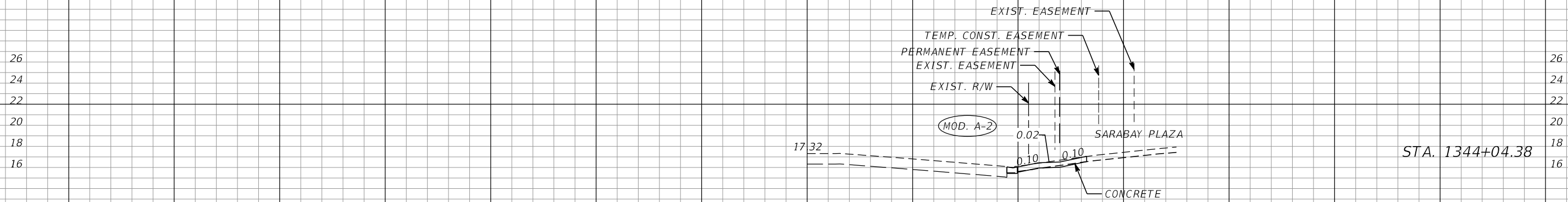
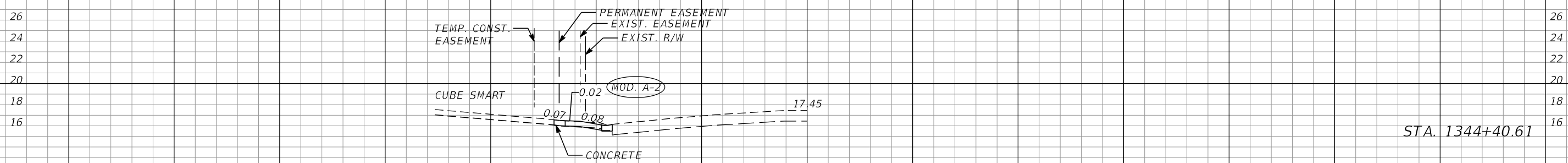
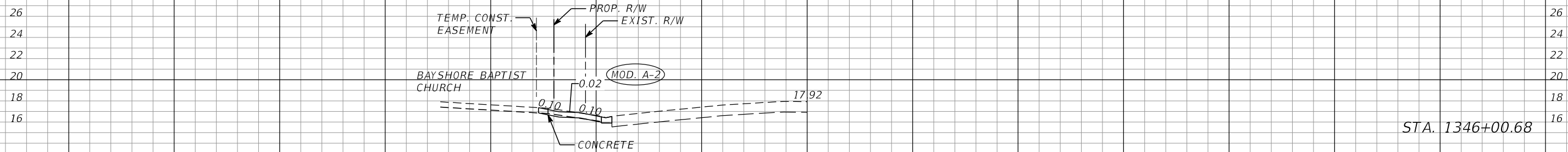
1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS				MANATEE COUNTY			DRIVEWAY HALF SECTIONS (06)	SHEET NO. 126
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	MANATEE	433592-4-58-01		

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

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⊕ SURVEY SR 45 (US 41)



⊕ SURVEY SR 45 (SR US 41)

140 120 100 80 60 40 20 0 20 40 60 80 100 120

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

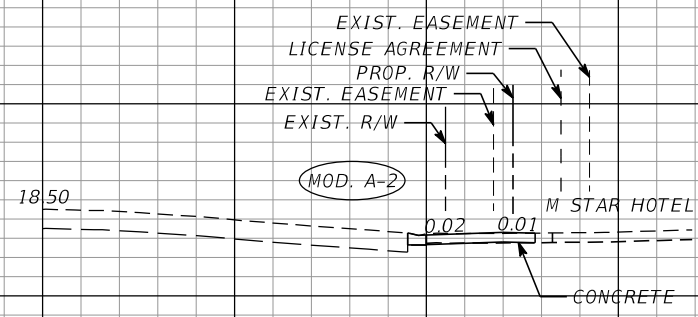
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (07)**

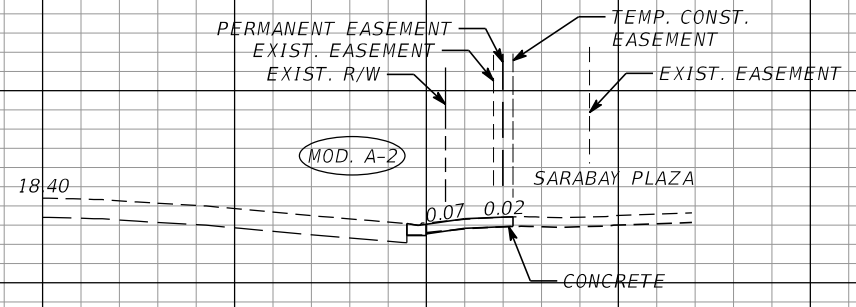
SHEET NO.  
**127**

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

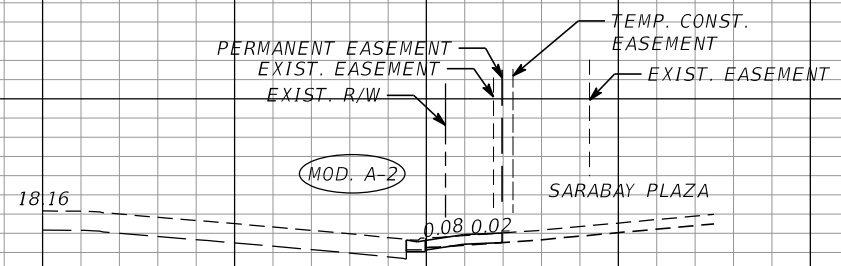
Ⓟ SURVEY SR 45 (US 41)



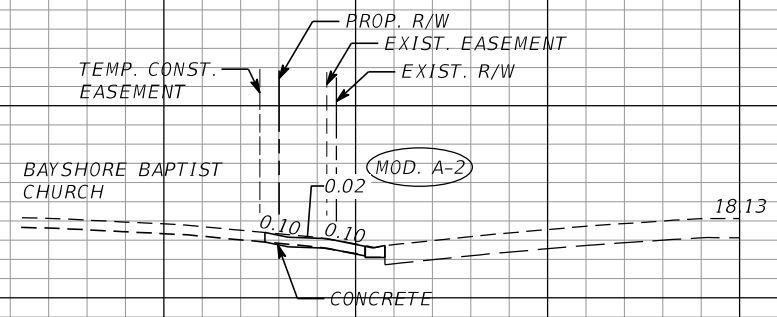
STA. 1348+31.80



STA. 1347+83.30



STA. 1346+61.76



STA. 1346+57.53

Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

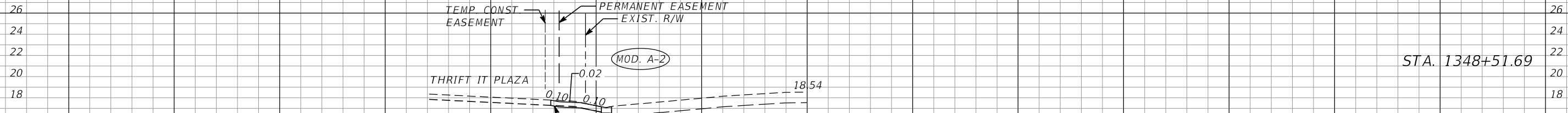
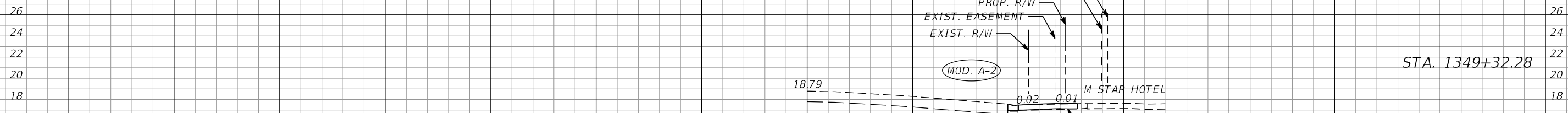
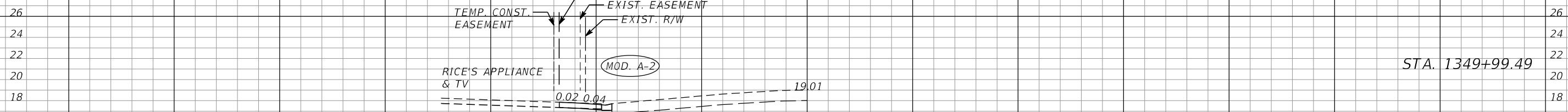
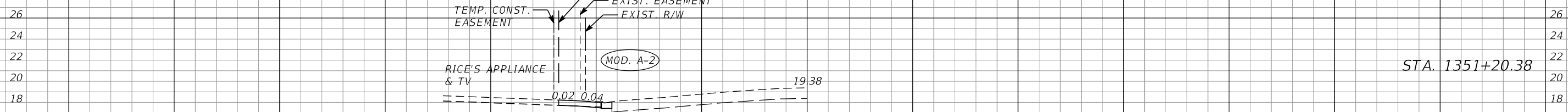
140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			MANATEE COUNTY			<b>DRIVEWAY HALF SECTIONS (08)</b>	SHEET NO.  128
ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
SR 45	MANATEE	433592-4-58-01					

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Ⓟ SURVEY SR 45 (US 41)



Ⓟ SURVEY SR 45 (SR US 41)

140 120 100 80 60 40 20 0 20 40 60 80 100 120

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

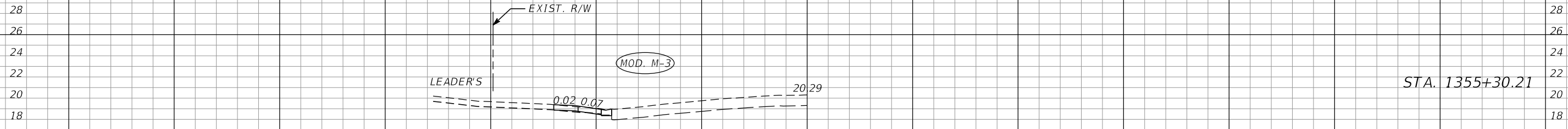
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF SECTIONS (09)**

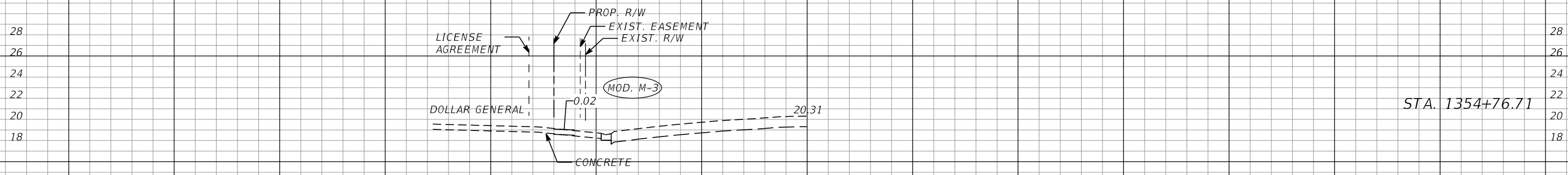
SHEET NO. 129

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

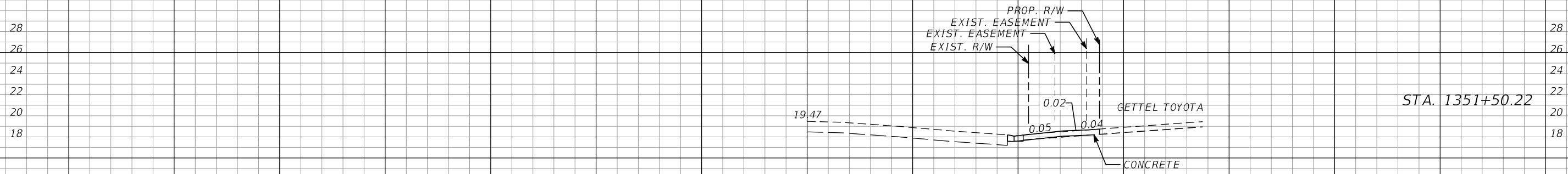
Ⓟ SURVEY SR 45 (US 41)



STA. 1355+30.21



STA. 1354+76.71



STA. 1351+50.22

Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

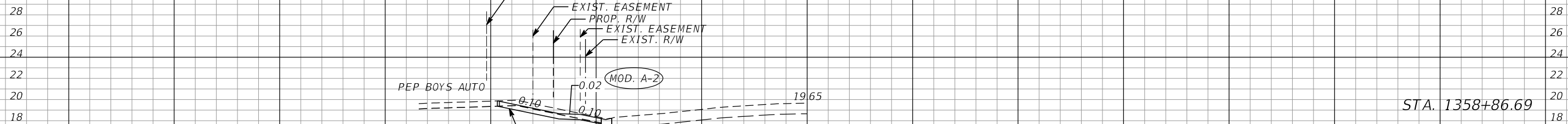
**DRIVEWAY HALF  
SECTIONS (10)**

SHEET NO.  
**130**

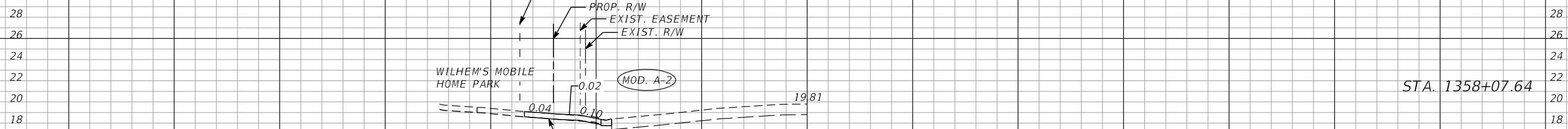
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



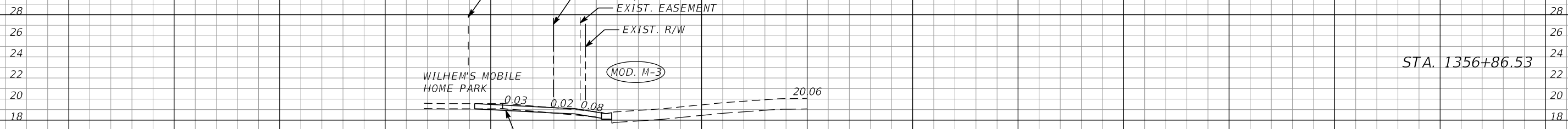
⊕ SURVEY SR 45 (US 41)



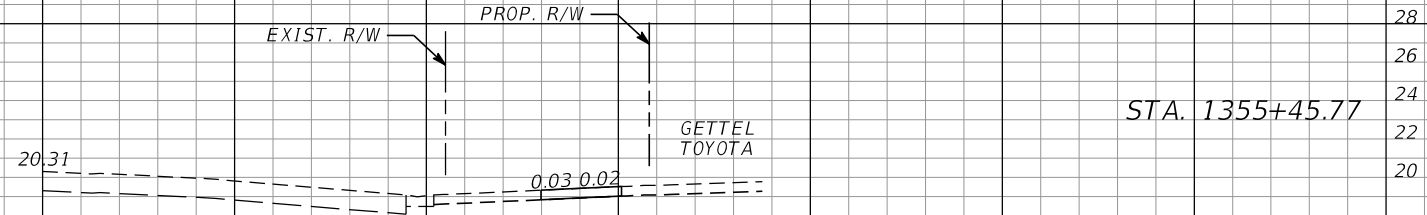
STA. 1358+86.69



STA. 1358+07.64



STA. 1356+86.53



STA. 1355+45.77

⊕ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS	
DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

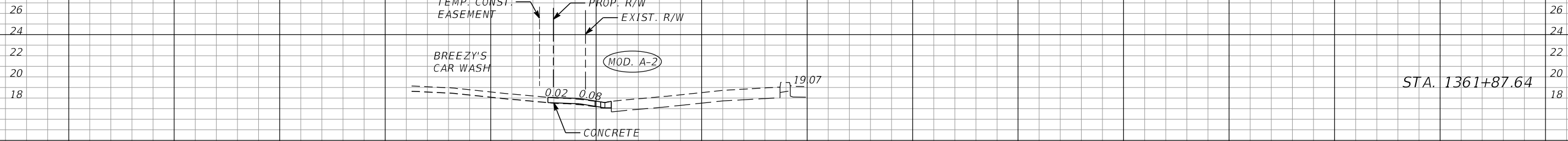
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF SECTIONS (11)**

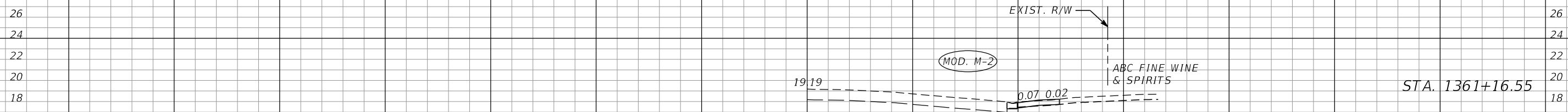
SHEET NO.  
**131**

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

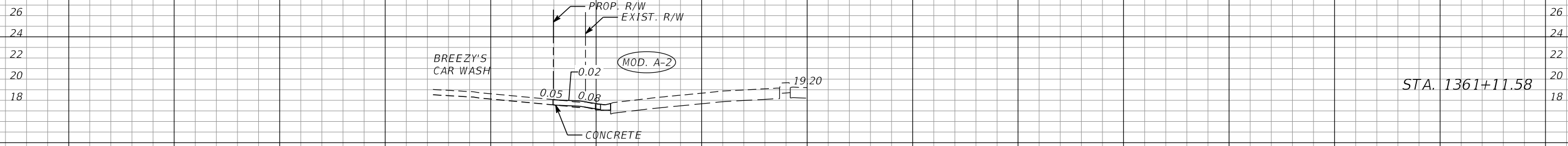
Ⓟ SURVEY SR 45 (US 41)



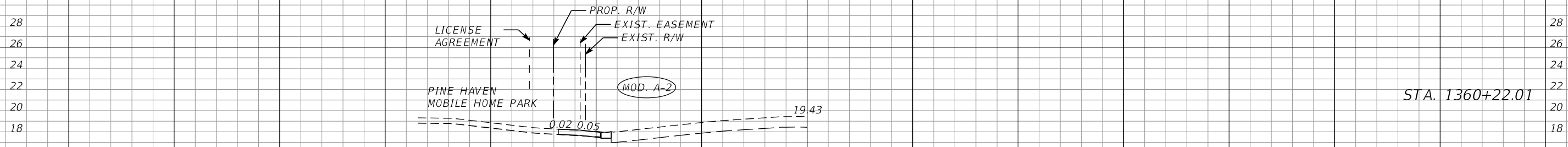
STA. 1361+87.64



STA. 1361+16.55



STA. 1361+11.58



STA. 1360+22.01

Ⓟ SURVEY SR 45 (SR US 41)

140 120 100 80 60 40 20 0 20 40 60 80 100 120

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

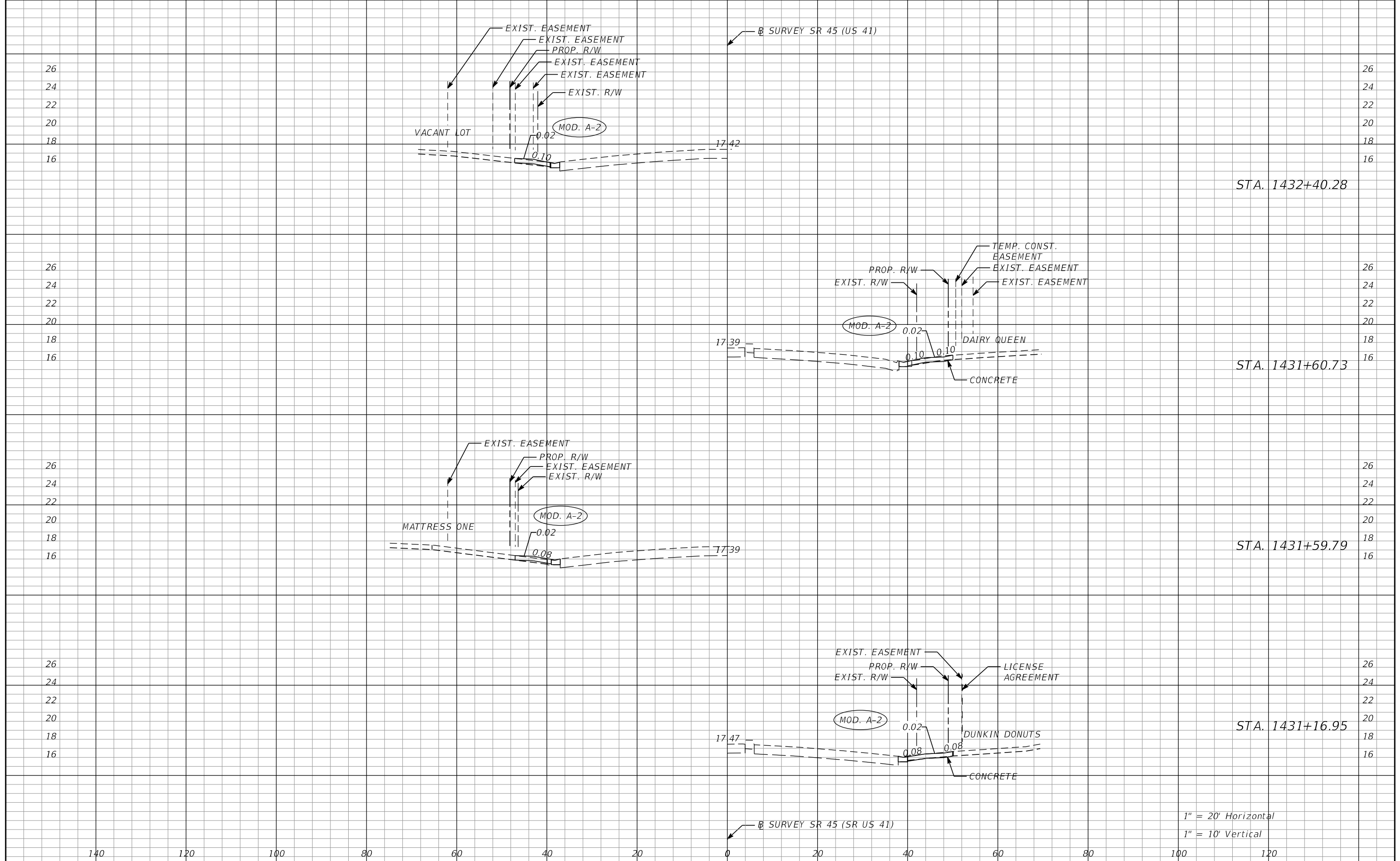
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (12)**

SHEET NO.  
**132**

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

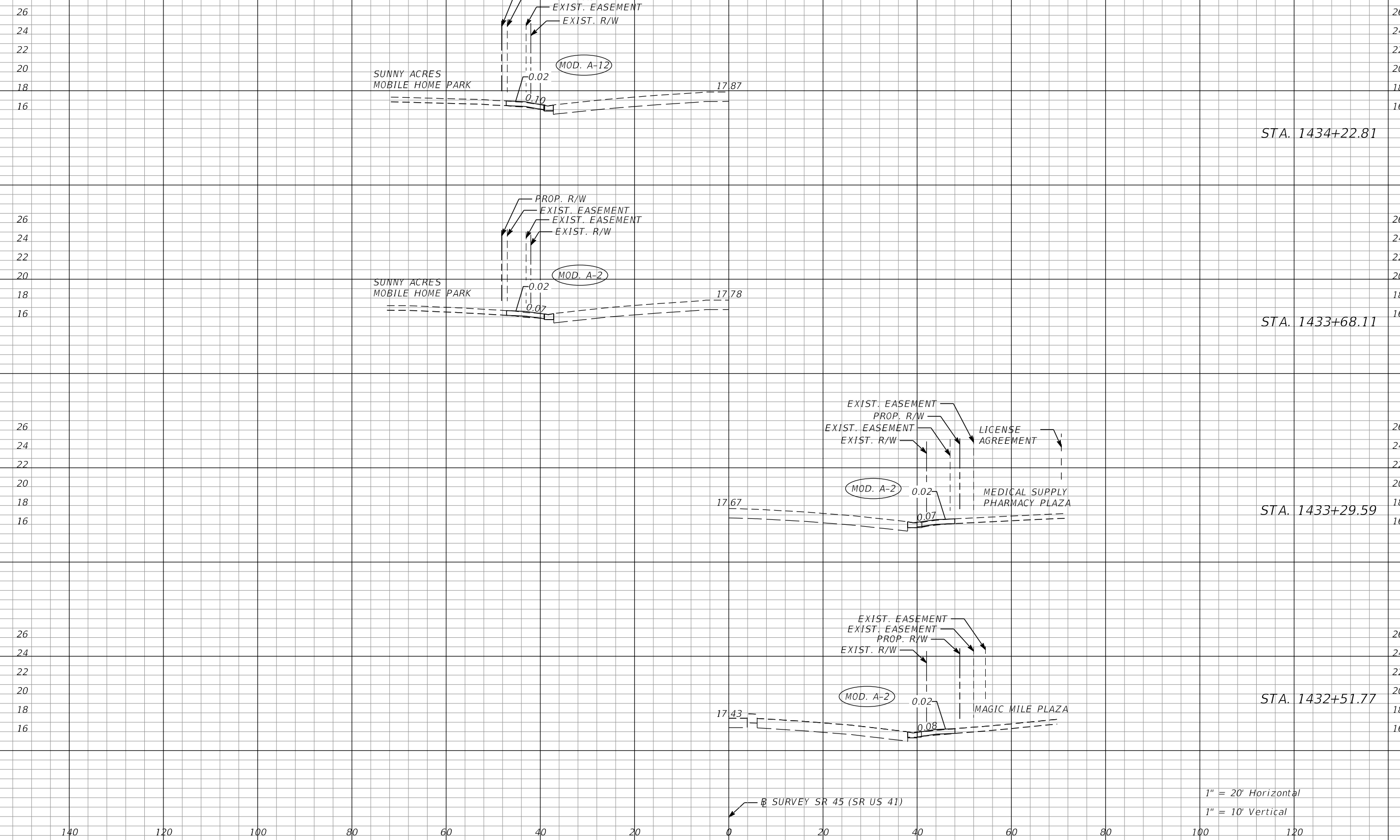


THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				MANATEE COUNTY			<b>DRIVEWAY HALF SECTIONS (13)</b>	SHEET NO.  133
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	MANATEE	433592-4-58-01		

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

1" = 20' Horizontal  
1" = 10' Vertical



STA. 1434+22.81

STA. 1433+68.11

STA. 1433+29.59

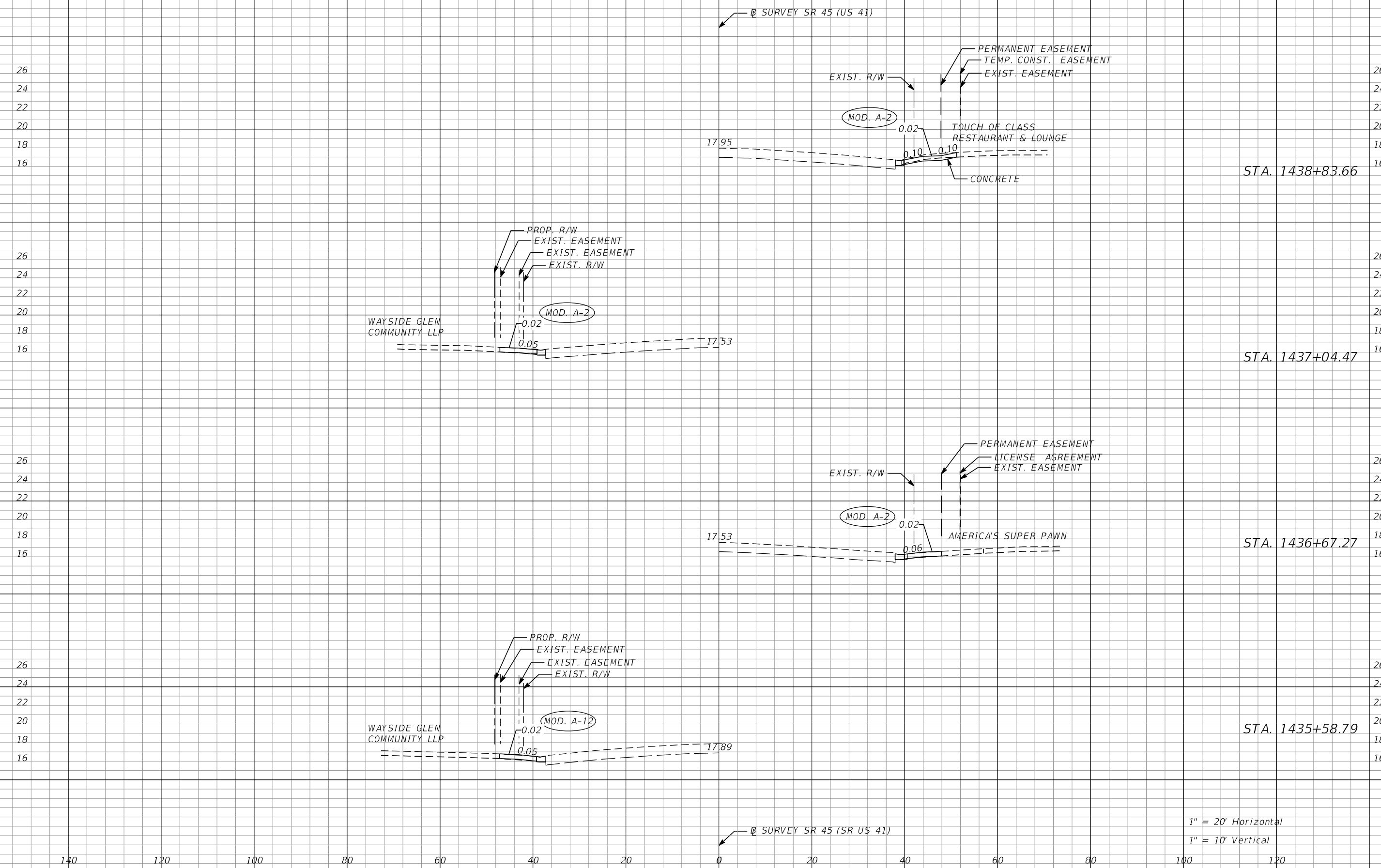
STA. 1432+51.77

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS		DATE		DESCRIPTION	

JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			<b>MANATEE COUNTY</b>			<b>DRIVEWAY HALF SECTIONS (14)</b>	SHEET NO.  134
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01		
USER: ktran      11/7/2022      4:24:09 PM      P:\2016\SP16D1001 (US 41 - 69th to Cortez)\43359215201\roadway\RD\XSRD04.DGN							

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



1" = 20' Horizontal  
 1" = 10' Vertical

REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

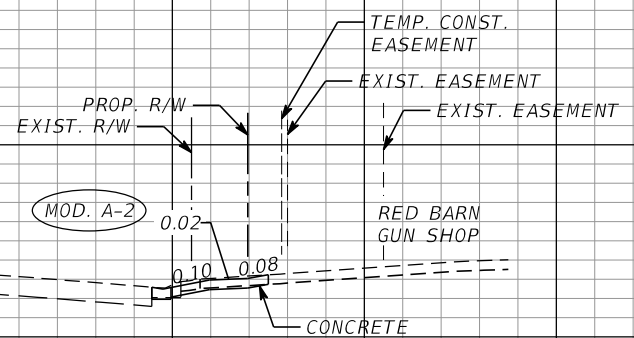
JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			<b>MANATEE COUNTY</b>			<b>DRIVEWAY HALF          SECTIONS (15)</b>	SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		135			
SR 45	MANATEE	433592-4-58-01					

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

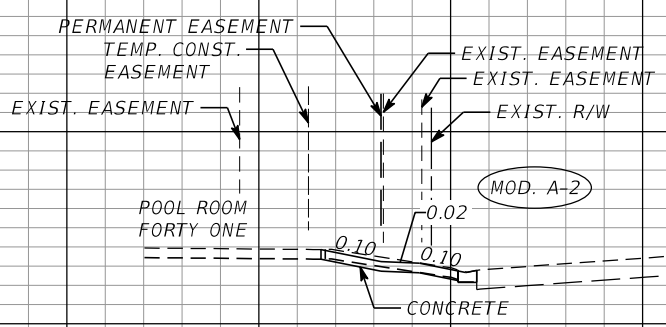
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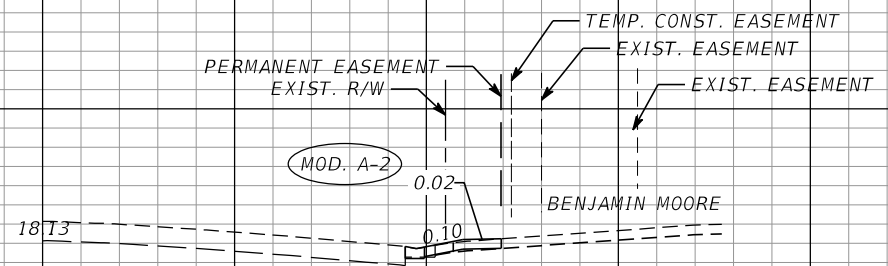
⊕ SURVEY SR 45 (US 41)



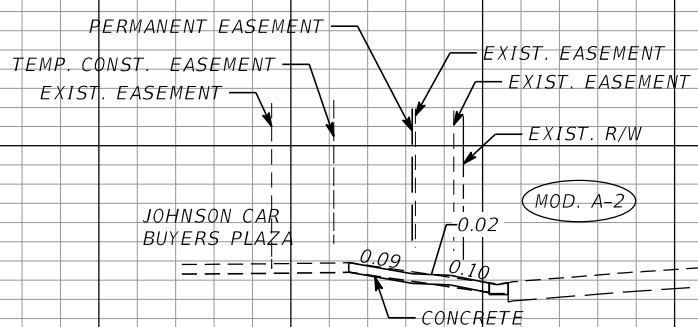
STA. 1441+78.96



STA. 1441+21.27



STA. 1440+94.37



STA. 1439+38.09

⊕ SURVEY SR 45 (SR US 41)

140 120 100 80 60 40 20 0 20 40 60 80 100 120

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

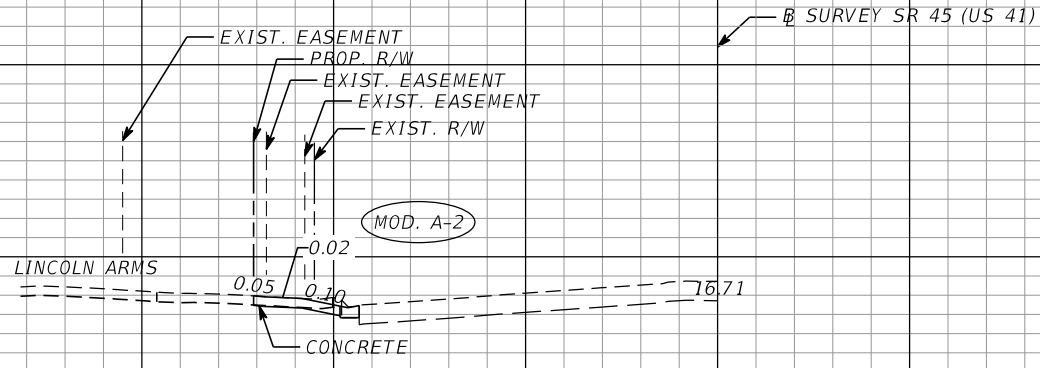
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF SECTIONS (16)**

SHEET NO. 136

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

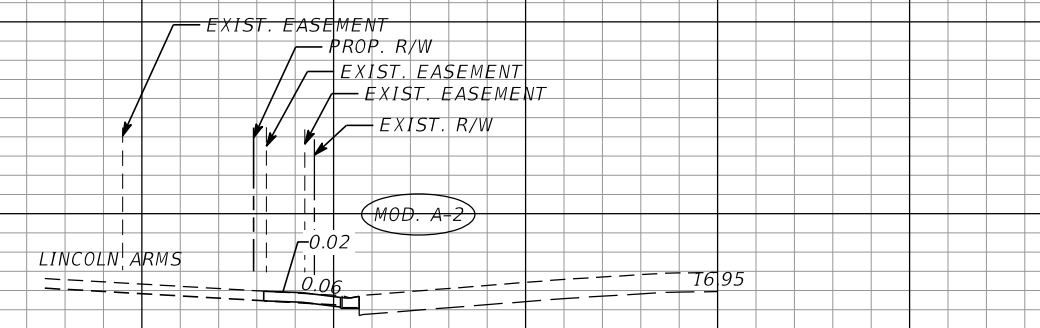
26  
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STA. 1445+82.42

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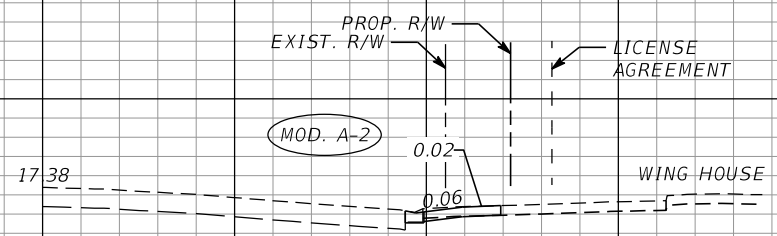
26  
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STA. 1444+89.59

26  
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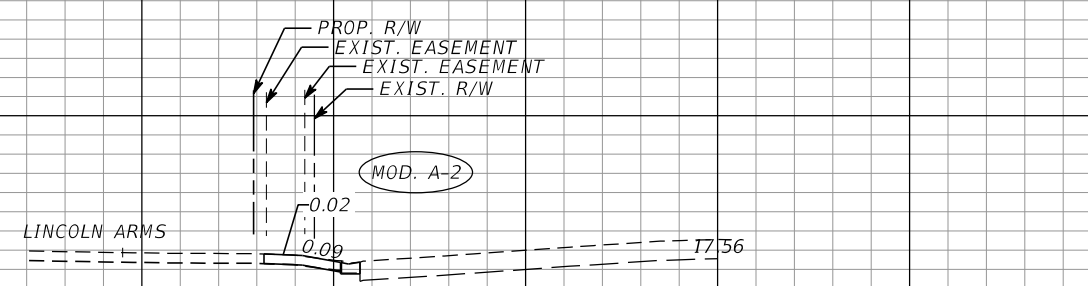
26  
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STA. 1443+30.73

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STA. 1442+36.71

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140 120 100 80 60 40 20 0 20 40 60 80 100 120

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

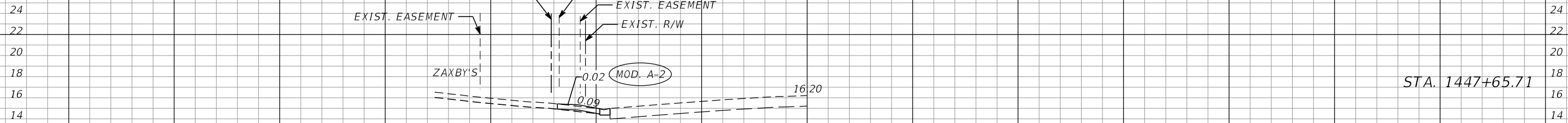
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
 SECTIONS (17)**

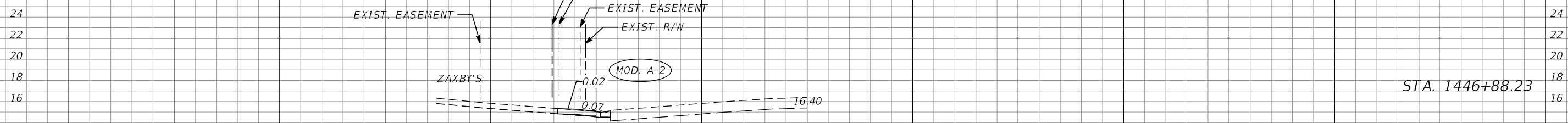
SHEET  
 NO.  
**137**

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

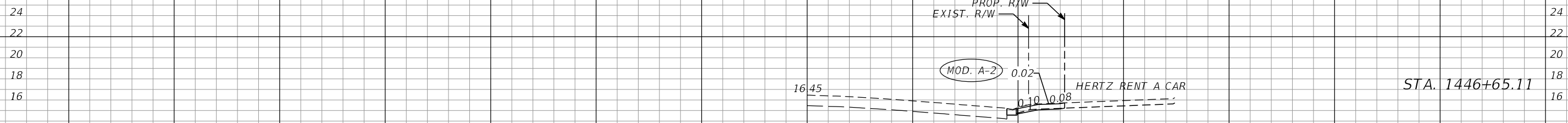
⊕ SURVEY SR 45 (US 41)



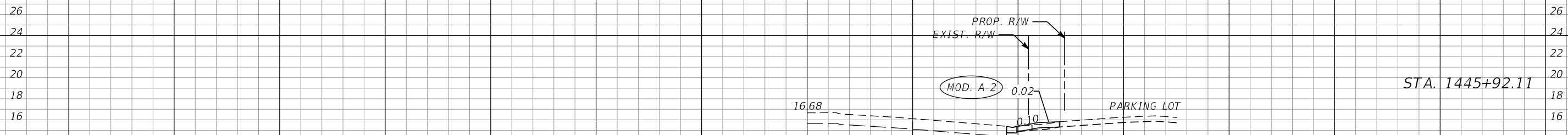
STA. 1447+65.71



STA. 1446+88.23



STA. 1446+65.11



STA. 1445+92.11

⊕ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

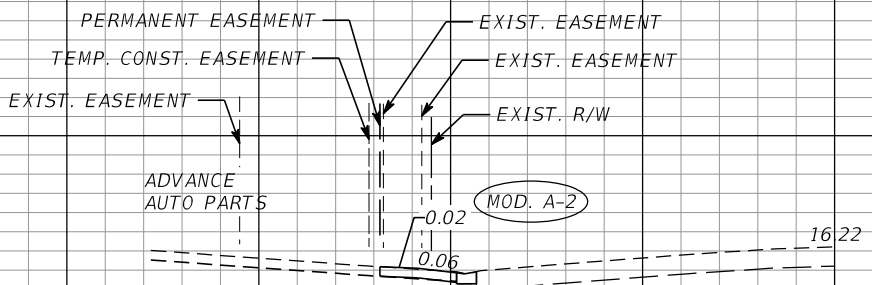
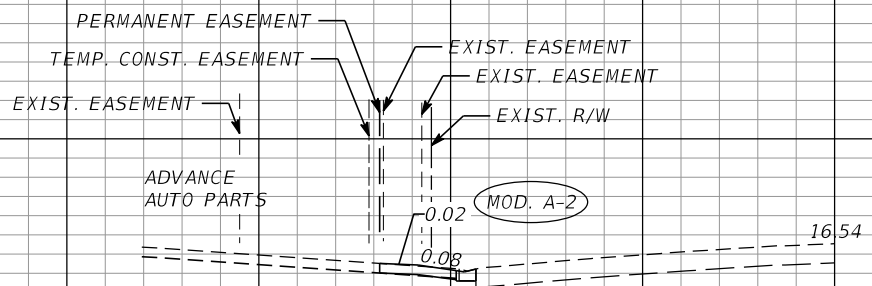
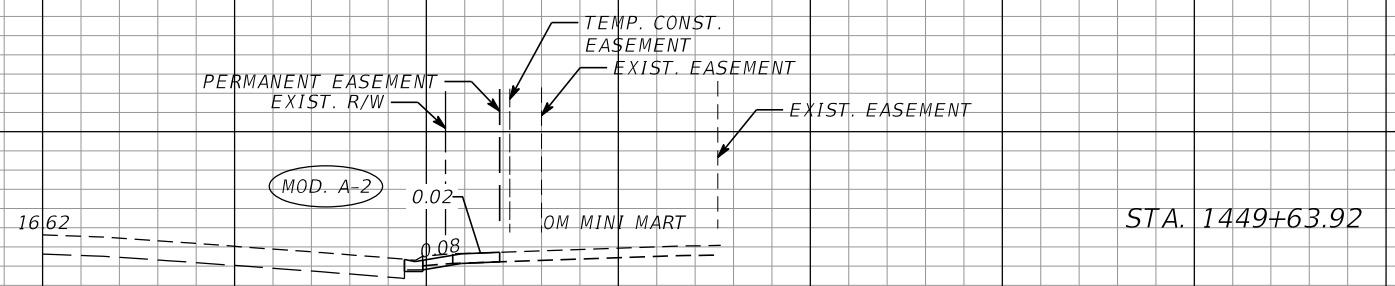
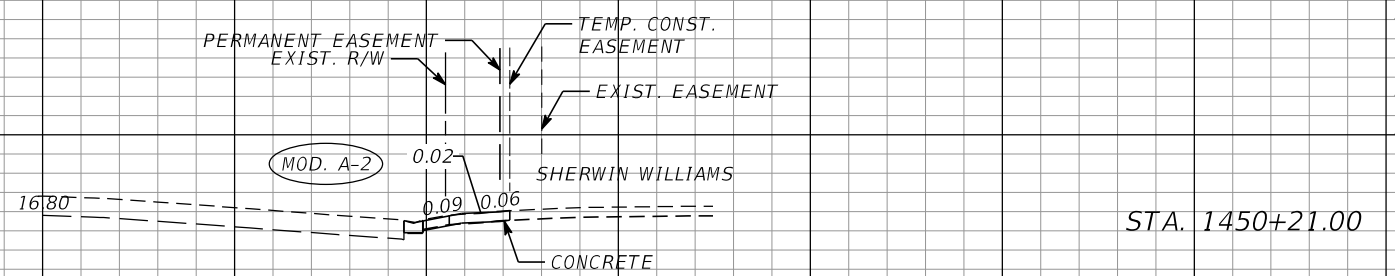
**DRIVEWAY HALF  
SECTIONS (18)**

SHEET NO.  
**138**

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Ⓟ SURVEY SR 45 (US 41)



Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS		DESCRIPTION		JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			DRIVEWAY HALF SECTIONS (19)	SHEET NO. 139
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

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

⊕ SURVEY SR 45 (US 41)

PERMANENT EASEMENT  
EXIST. R/W

TEMP. CONST.  
EASEMENT

MOD. A-2

0.02

0.06

LITTLE CAESARS PIZZA

17.24

STA. 1451+52.15

EXIST. EASEMENT  
PROP. R/W  
EXIST. EASEMENT  
EXIST. EASEMENT  
EXIST. R/W

MOD. A-2

0.02

0.04

K&K MOBILE  
HOME PARK

17.13

STA. 1451+17.22

PERMANENT EASEMENT  
EXIST. R/W

TEMP. CONST.  
EASEMENT

EXIST. EASEMENT

MOD. A-2

0.02

0.08

CRICKET

17.05

STA. 1450+95.00

EXIST. EASEMENT  
PROP. R/W  
EXIST. EASEMENT  
EXIST. EASEMENT  
EXIST. R/W

MOD. A-2

0.02

0.02

K&K MOBILE  
HOME PARK

16.83

STA. 1450+26.12

⊕ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal

1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

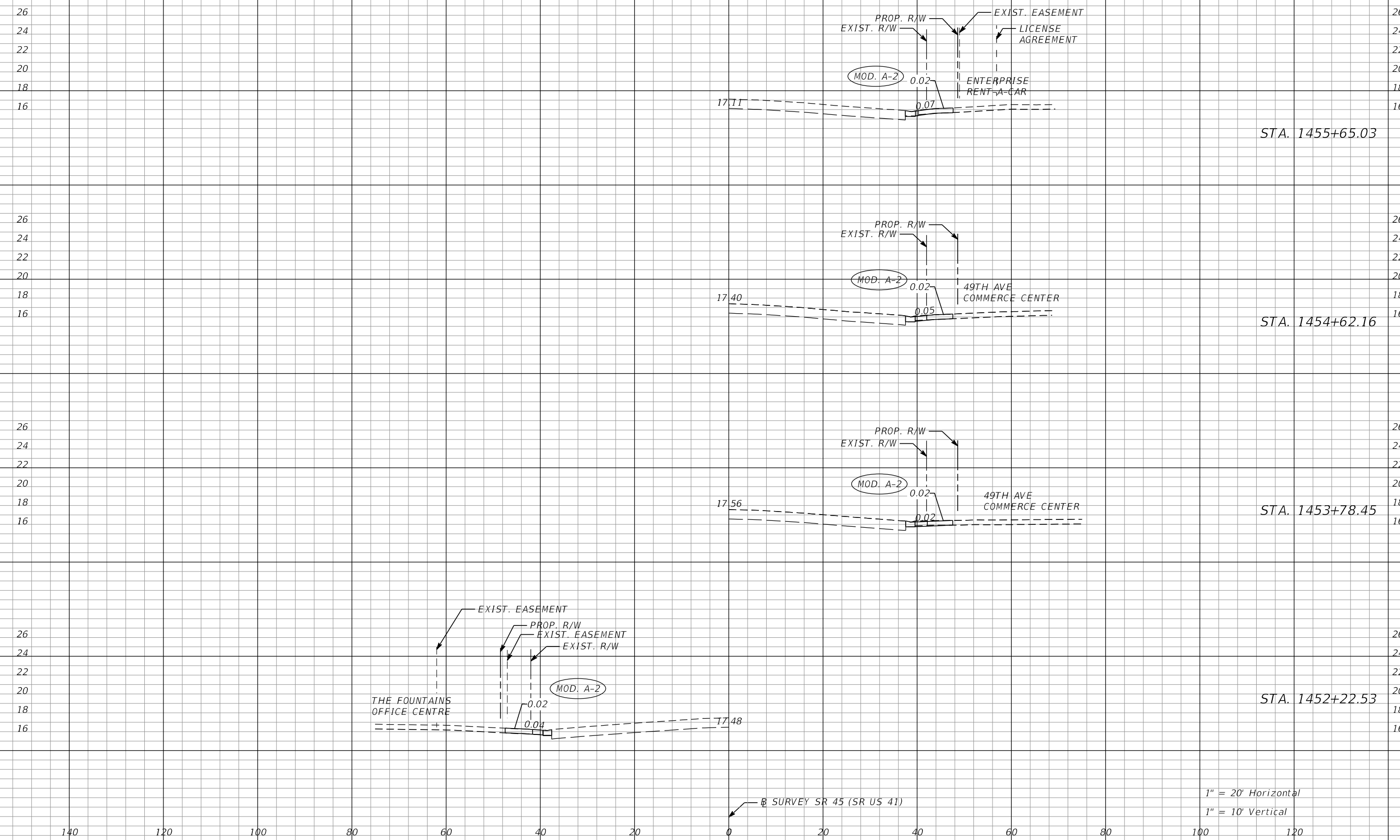
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (20)**

SHEET NO.

140

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140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

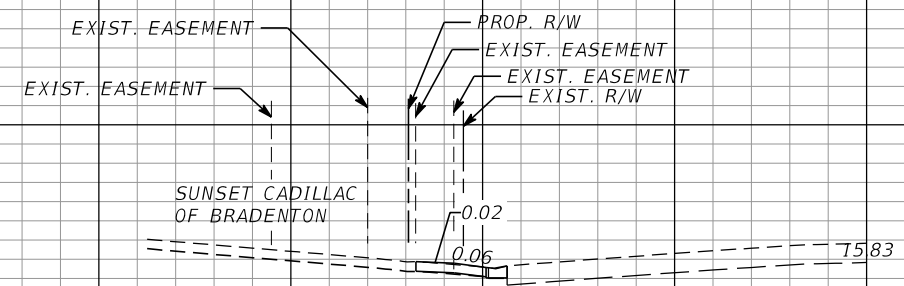
**DRIVEWAY HALF SECTIONS (21)**

SHEET NO. 141

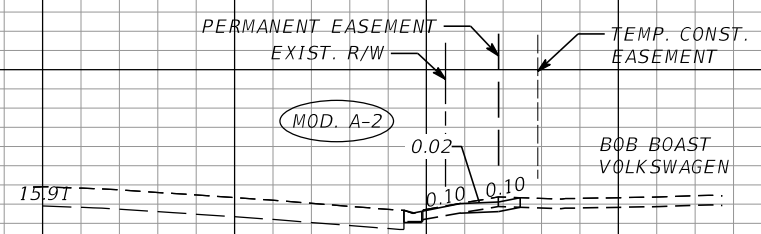
1" = 20' Horizontal  
1" = 10' Vertical

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

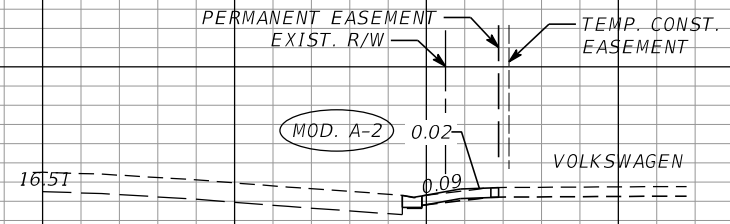
⊕ SURVEY SR 45 (US 41)



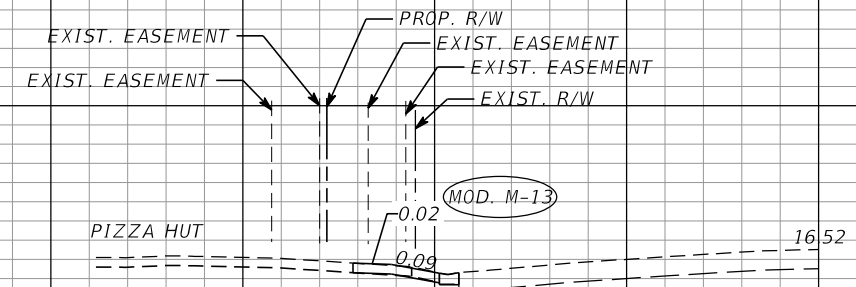
STA. 1460+67.72



STA. 1460+39.17



STA. 1457+95.78



STA. 1457+87.39

⊕ SURVEY SR 45 (SR US 41)

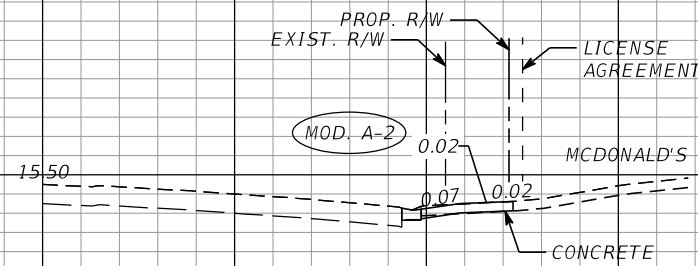
1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

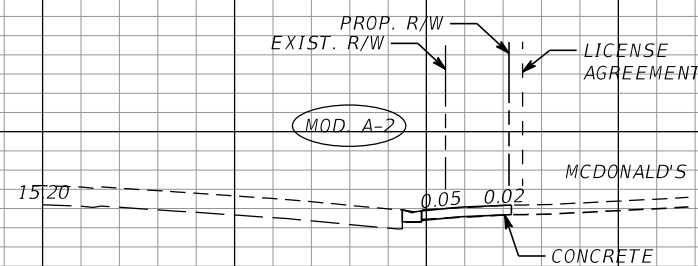
REVISIONS		DESCRIPTION		JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			DRIVEWAY HALF SECTIONS (22)	SHEET NO. 142
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

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

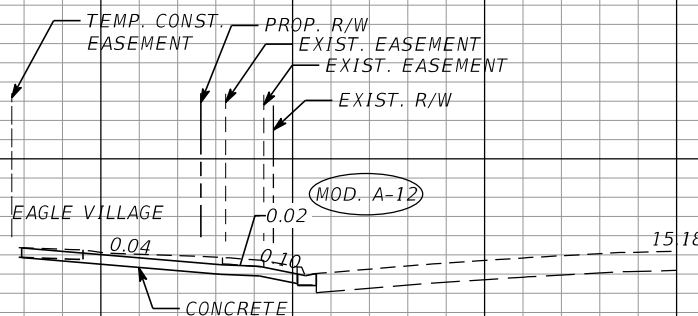
⊕ SURVEY SR 45 (US 41)



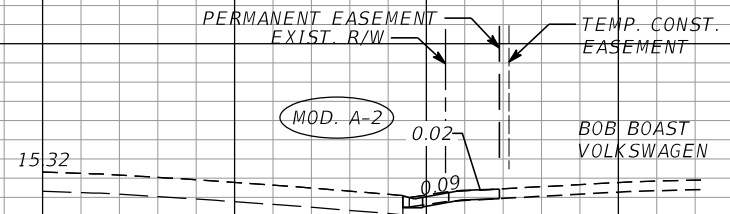
STA. 1464+76.54



STA. 1463+58.86



STA. 1463+52.41



STA. 1462+62.54

⊕ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

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14

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF SECTIONS (23)**

SHEET NO.  
**143**

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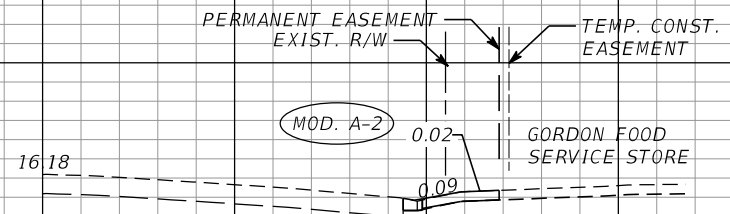
24  
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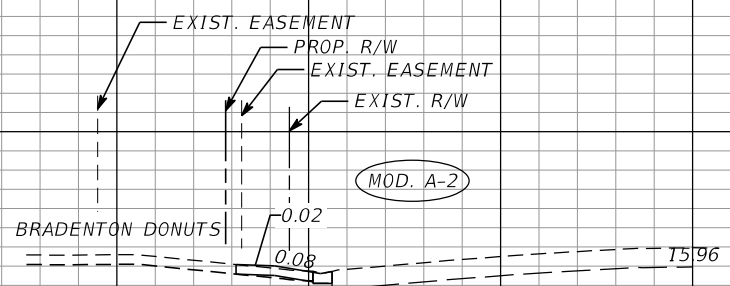
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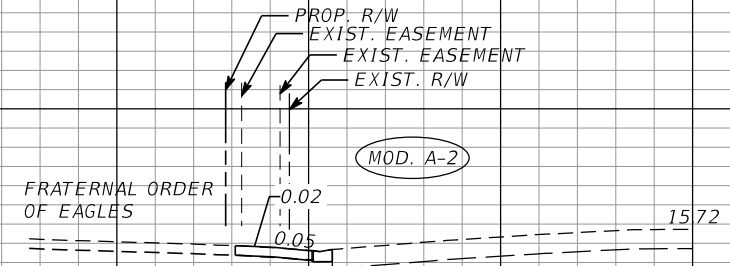
Ⓟ SURVEY SR 45 (US 41)



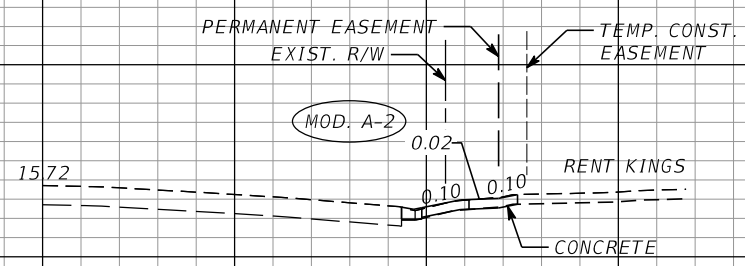
STA. 1467+09.25



STA. 1466+37.15



STA. 1465+94.66



STA. 1465+90.83

Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

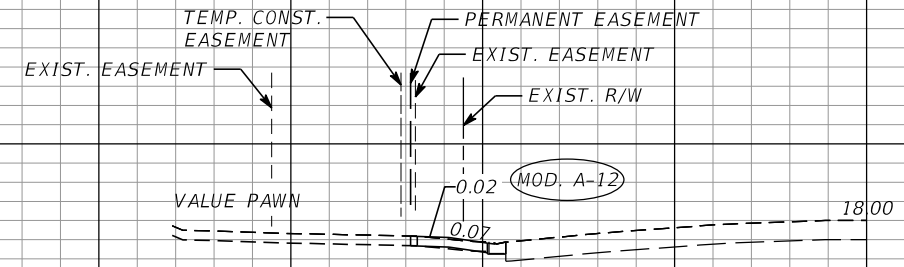
**DRIVEWAY HALF SECTIONS (24)**

SHEET NO.  
**144**

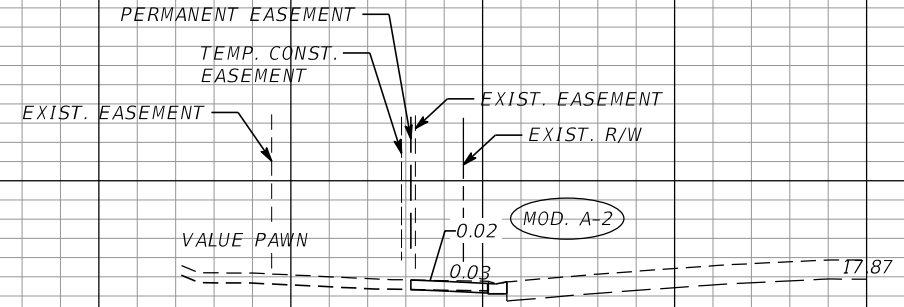
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Ⓟ SURVEY SR 45 (US 41)

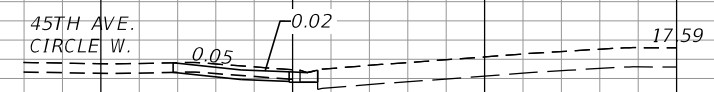
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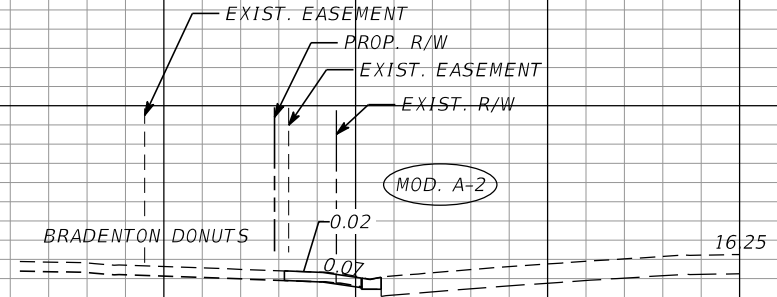
STA. 1473+91.86



STA. 1473+43.39



STA. 1472+28.98



STA. 1467+35.19

Ⓟ SURVEY SR 45 (SR US 41)

140 120 100 80 60 40 20 0 20 40 60 80 100 120

1" = 20' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
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SCALAR CONSULTING GROUP INC.  
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PLANTATION, FLORIDA 33324

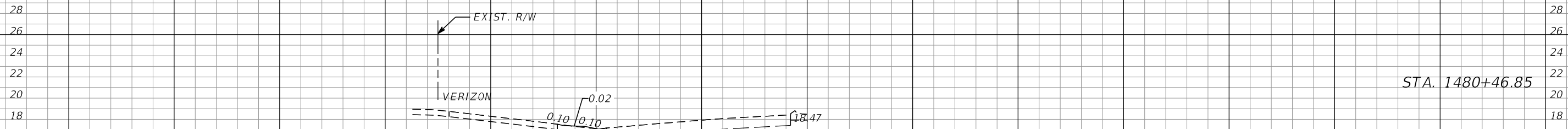
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (25)**

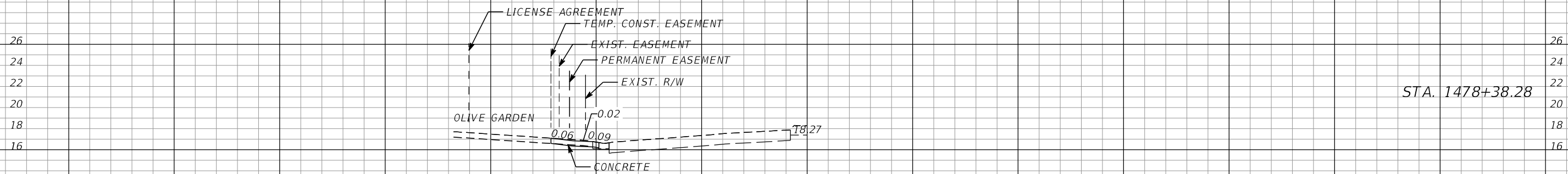
SHEET NO.  
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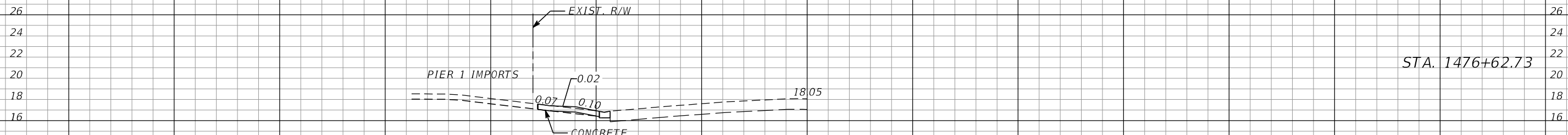
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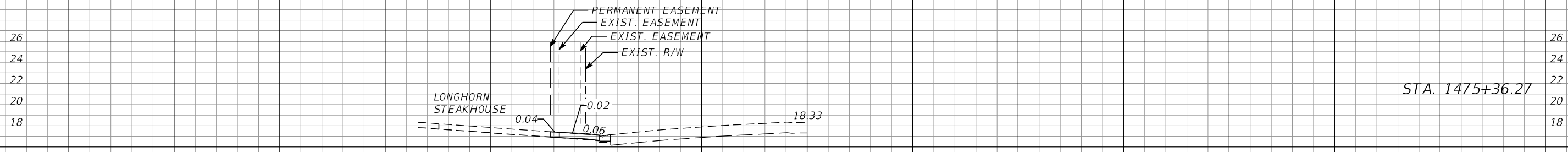
STA. 1480+46.85



STA. 1478+38.28



STA. 1476+62.73



STA. 1475+36.27

Ⓟ SURVEY SR 45 (SR US 41)

1" = 20' Horizontal  
1" = 10' Vertical

140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**DRIVEWAY HALF  
SECTIONS (26)**

SHEET NO.  
**146**

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



(II.A.3.) STRUCTURAL PRACTICES

IN THE CONTRACTOR'S SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN, 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 MAY INCLUDE THE FOLLOWING, AS APPROVED BY THE ENGINEER:

TEMPORARY DEVICES:

\* SILT FENCE

\* STAKED TURBIDITY BARRIERS

\* SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS

\* FLOATING TURBIDITY BARRIERS

\* INLET PROTECTION SYSTEMS INCLUDING SYNTHETIC BALES AND SANDBAGS

\* SEDIMENT BASIN/CONTAINMENT SYSTEMS

\* CHEMICAL TREATMENTS SUCH AS POLYACRYLAMIDES AND ALUM

PERMANENT:

\* SOD (MAY ALSO BE USED FOR TEMPORARY CONTROLS)

\* VELOCITY DISSIPATION DEVICES SUCH AS RIPRAP OR OTHERS

(II.B.) WATER QUALITY MONITORING

(II.B.1.) 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 ENGINEER.

(II.B.2.) THE ENGINEER WILL BE RESPONSIBLE FOR MONITORING ANY ACTIVITIES FOR VIOLATION OF WATER QUALITY STANDARDS AS THEY RELATE TO TURBIDITY (NO GREATER THAN 29 NEPHELOMETRIC TURBIDITY UNITS (NTUs) ABOVE BACKGROUND OR GREATER THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OUTSTANDING FLORIDA WATERS (OFWs)).

(II.B.3.) IF WATER QUALITY STANDARDS ARE VIOLATED, CONSTRUCTION SHALL BE STOPPED IMMEDIATELY. THE ENVIRONMENTAL PERMIT CONDITIONS FOLLOWED AND EROSION AND SEDIMENT CONTROL DEVICES REEVALUATED 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 (LESS THAN 29 NTUs ABOVE BACKGROUND OR LESS THAN 0 NTUs ABOVE BACKGROUND FOR DIRECT DISCHARGES TO OFWs). THE ULTIMATE OUTFALL IS SARASOTA BAY AN OFW.

(II.B.4.) WATER QUALITY MONITORING MAY BE CONDUCTED DURING ANY PHASE OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

(II.C.) DEWATERING CONTROLS

THE SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN SHALL INCLUDE A DESCRIPTION OF THE BMPs THAT WILL BE USED TO ENSURE THAT DISCHARGES OF NONCONTAMINATED GROUND WATER FROM DEWATERING OPERATIONS DO NOT CAUSE OR CONTRIBUTE TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

(II.D.) OTHER CONTROLS

(II.D.1.) THE SITE SPECIFIC SEDIMENT AND EROSION CONTROL PLAN SHALL IDENTIFY CHEMICAL AND FUEL STORAGE AREAS, MEANS OF MINIMIZING EXPOSURE TO STORMWATER, AND SPILL PREVENTION.

(II.D.2.) OFFSITE VEHICLE TRACKING & GENERATION OF DUST

IN THE SEDIMENT AND EROSION CONTROL PLAN, 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.

(II.D.2.a.) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN.

(II.D.2.b.) REMOVING EXCESS DIRT FROM ROADS DAILY.

(II.D.2.c.) USING WATER TRUCKS DURING DUST-GENERATING ACTIVITIES.

(II.D.2.d.) SEDIMENT CONTROL MAY BE ACCOMPLISHED BY USING STREET OR VACUUM SWEEPERS.

III. MAINTENANCE

MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL DEVICES AND REMOVE EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED. REMOVE AND PROPERLY DISPOSE OF SEDIMENT BUILDUP THROUGH THE LIFE OF THE INSTALLED EROSION AND SEDIMENT CONTROL DEVICES.

(III.A.) IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.

(III.B.) SEDIMENT BARRIERS SHALL BE REPLACED WHEN IT IS NO LONGER EFFECTIVE OR AS DIRECTED BY THE ENGINEER.

(III.C.) STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

(III.D.) REMOVE SEDIMENT FROM SEDIMENT BASINS WHEN IT BECOMES MORE THAN HALF THE AVAILABLE VOLUME.

IV. INSPECTION

INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD RAINFALL.

V. NON-STORMWATER DISCHARGES

THE SITE SPECIFIC EROSION AND SEDIMENT CONTROL PLAN SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES AND DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION. THE PLAN SHALL INCLUDE PROCEDURES FOR 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 THE DISTRICT CONTAMINATION IMPACT COORDINATOR AT 863-519-2300 AND THE ENGINEER. IF A RELEASE CONTAINING HAZARDOUS SUBSTANCES OCCURS, CONTACT THE FLORIDA STATE WATCH OFFICE AT 800-320-0519 OR 850-413-9911 PER SECTION 9.2 OF THE CGP.

VI. TRACKING AND REPORTING:

(VI.A.) SUBMIT A WEEKLY REPORT TO THE DEPARTMENT DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE EROSION AND SEDIMENT CONTROL DEVICES. MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.

(VI.B.) 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.

(VI.C.) USE THE SWPPP CONSTRUCTION INSPECTION REPORT FORM # 650-040-03, FOR DAILY INSPECTIONS.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

DAVID M. BOYER, P.E., CFM  
P.E. LICENSE NUMBER 43226  
SCALAR CONSULTING GROUP INC.  
2250 LUCIEN WAY, SUITE 120  
MAITLAND, FL 32751

MANATEE COUNTY

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

STORMWATER POLLUTION  
PREVENTION PLAN

SHEET  
NO.

147

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS PROVIDED TO ASSIST THE CONTRACTOR IN DEVELOPING THE REQUIRED SITE SPECIFIC EROSION CONTROL PLAN AND OTHER ITEMS NECESSARY TO OBTAIN COVERAGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERIC PERMIT (CGP). REFER TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL FOR ADDITIONAL REQUIREMENTS.

1.0 SITE DESCRIPTION:

(1.A.) NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT IS THE CONSTRUCTION OF SIDEWALK IN MANATEE COUNTY. THIS INVOLVES CURB AND GUTTER, SIDEWALK, DRAINAGE, SIGNING AND PAVEMENT MARKING AND SIGNAL MAST ARMS. THE PROJECT EXTENDS A DISTANCE OF 1.702 MILES.

(1.B.) INTENDED SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL PLAN, PREPARE A DETAILED CONSTRUCTION SCHEDULE TO INDICATE DATES OF MAJOR GRADING ACTIVITIES AND SEQUENCES OF TEMPORARY AND PERMANENT SOIL DISTURBING ACTIVITIES ON ALL PORTIONS OF THE PROJECT. FOR ADDITIONAL INFORMATION, REFER TO SECTION 4.7 OF THE NPDES CGP.

LIST OF INTENDED ACTIVITIES:

- (1.B.1.) FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS PRIOR TO CLEARING AND GRUBBING OR ANY OTHER CONSTRUCTION ACTIVITIES. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED.
- (1.B.2.) TIME CONSTRUCTION ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CHANGES OR WEATHER EVENTS.
- (1.B.3.) THE CONTRACTOR WILL PROVIDE POLLUTION CONTROL BY IMPLEMENTING DUST CONTROL DURING ALL PHASES OF CONSTRUCTION.
- (1.B.4.) OFFSITE 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.

(1.C.) PROJECT AREA ESTIMATES:

TOTAL SITE AREA: 72.59 ACRES.  
TOTAL AREA TO BE DISTURBED: 2.21 ACRES.

(1.D.) RUNOFF DATA:

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

RUNOFF COEFFICIENTS FOR:  
IMPERVIOUS ROADWAYS AND PAVED SHOULDER: C=0.95  
DISTURBED AREAS, EXPOSED SOIL, ETC., DURING CONSTRUCTION: C=0.15

WEIGHTED RUN-OFF COEFFICIENT:  
BEFORE: Cw (B) = 0.78      DURING: Cw (D) = 0.78      AFTER: Cw (A) = 0.83

THE RUN-OFF COEFFICIENT Cw (D), IS CALCULATED ASSUMING THAT THE MAXIMUM ALLOWABLE AREA OF SOIL IS DISTURBED DURING CONSTRUCTION AND THE REMAINING AMOUNT IS THE EXISTING IMPERVIOUS AND GRASSED SHOULDER AREAS.

SOIL DATA:

IN GENERAL, THE SOILS ARE:

SOIL TYPE	HYDROLOGIC GROUP	DEPTH TO SHWE (CM)
13 - CHOBEE LOAMY FINE SAND	C/D	0
20 - EAUGALLIE FINE SAND	A/D	30
26 - FLORIDA-IMMOKALEE-OKEELANTA ASSOC.	C/D	0
38 - PALMETTO SAND	A/D	0
39 - PARKWOOD VARIANT-CHOBEE, LIMESTONE SUBSTRATUM-PARKWOOD COMPLEX	A/D	31
42 - POMELLO FINE SAND	A	84
50 - WABASSO VARIANT FINE SAND	B/D	31

REFERENCE: USDA SOIL SURVEY OF MANATEE COUNTY FLORIDA

OUTFALL INFORMATION:

THERE ARE TWO OUTFALLS.

THE OUTFALLS DISCHARGE INTO THE FOLLOWING BASINS:

BASIN	WBID	PARAMETER(S) OF CONCERN FOR 303(d) LISTING
Bowlees Creek	1896	Unknown
Cedar Hammock Canal	1848D2	Unknown

OUTFALL LOCATIONS: (TEMPORARY AND PERMANENT)

DESCRIPTION	DRAINAGE AREA	LATITUDE	LONGITUDE	RECEIVING WATERBODY
(a) 1 - 54" RCP	1.25 AC	N 27°24' 59"	W 82°34' 30"	BOWLEES CREEK
(b) 1 - 4' x 4' CBC	2.98 AC	N 27°27' 09"	W 82°34' 32"	DITCH TO CEDAR HAMMOCK CREEK
(c) 1 - 43" X 68" HERCP	3.53 AC	N 27°27' 33"	W 82°34' 32"	CBC AT CEDAR HAMMOCK CANAL CROSSING US41
(d) 1 - 30" RCP	4.51 AC	N 27°27' 33"	W 82°34' 32"	CBC AT CEDAR HAMMOCK CANAL CROSSING US41

(1.E.) SITE MAP:

THE SITE MAP SHALL BE COMPRISED OF THE CONSTRUCTION PLANS AND THE CONTRACTOR'S SITE-SPECIFIC EROSION CONTROL PLAN.

(1.F.) RECEIVING WATERS:

THE PROPOSED TREATED STORMWATER RUNOFF WITHIN THE PROJECT LIMITS WILL OUTFALL TO BOWLEES CREEK AND CEDAR HAMMOCK CANAL AND ULTIMATELY INTO SARASOTA BAY AND MANATEE RIVER.

THIS FACILITY DOES NOT DISCHARGE TO WATERS LISTED ON THE ADOPTED FDEP VERIFIED LIST OR ADOPTED TMDL FOR IMPAIRMENT DUE TO TOTAL SUSPENDED SOLID, TURBIDITY, NUTRIENTS, DISSOLVED OXYGEN, OR FECAL COLIFORM.

WETLAND AND/OR SURFACE WATER IMPACTS SHALL BE LIMITED TO THE AREAS DESCRIBED IN THE APPROVED PERMITS FOR THE PROJECT.

(1.G.) STORMWATER MANAGEMENT (EXISTING/PROPOSED)

(1.G.1.) EXISTING DRAINAGE FLOWS ARE TYPICALLY OVERLAND FLOW TO STORM SEWER INLETS THEN DIRECTED TO THE OUTFALLS VIA PIPE NETWORKS. THE CROSS SECTION SHEETS AND PLAN-PROFILE SHEETS PROVIDE THE APPROXIMATE SLOPE, AREAS OF SOIL DISTURBANCE AND AREAS TO BE STABILIZED. UNLESS OTHERWISE APPROVED BY THE PERMITS, THE CONSTRUCTION ACTIVITIES SHALL NOT MODIFY OR AFFECT THE EXISTING OFFSITE FLOW PATTERNS.

(1.G.2.) 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 PROTECTED WHEN TEMPORARY SEDIMENT BASINS, CONTAINMENT SYSTEMS OR PERMANENT STORMWATER MANAGEMENT FACILITIES ARE USED FOR EROSION AND SEDIMENT CONTROL TO PREVENT DOWNSTREAM SEDIMENTATION.

II. CONTROLS:

(II.A.) SEDIMENT AND EROSION CONTROLS

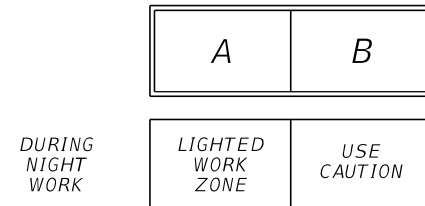
(II.A.1.) PER SECTION 5.4 OF THE NPDES CGP, STABILIZATION SHALL TAKE PLACE AS SOON AS PRACTICAL IN PORTIONS OF THE PROJECT WHERE CONSTRUCTION ACTIVITIES HAVE CEASED, BUT NO LATER THAN 7 DAYS AFTER ANY CONSTRUCTION ACTIVITY CEASES EITHER TEMPORARILY OR PERMANENTLY.

(II.A.2.) SEDIMENT BARRIERS SHALL BE USED AROUND THE PERIMETER OF STOCKPILE AREAS.

REVISIONS				DAVID M. BOYER, P.E., CFM P.E. LICENSE NUMBER 43226 SCALAR CONSULTING GROUP INC. 2250 LUCIEN WAY, SUITE 120 MAITLAND, FL 32751	MANATEE COUNTY			STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						SR 45	MANATEE		433592-4-58-01

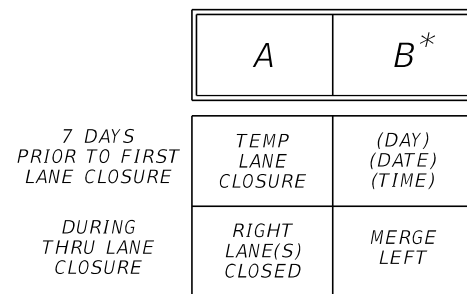
**TEMPORARY TRAFFIC CONTROL PLAN GENERAL NOTES**

- LANE CLOSURES ARE PERMITTED BETWEEN THE HOURS OF 7:30 PM TO 6:00 AM FOR SINGLE LANE CLOSURES IN EACH DIRECTION. LANE CLOSURES ARE ALLOWED ONLY WITHIN AN ACTIVE WORK ZONE.
- THE EXISTING POSTED SPEED LIMIT (45 MPH) ALONG SR 45 SHALL REMAIN AT ALL TIMES DURING CONSTRUCTION.
- UTILIZE PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS) DURING ACTIVE NIGHT TIME OPERATIONS. USE THE FOLLOWING PCMS NO. 1 DISPLAY DURING NIGHT TIME OPERATIONS:



**PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGN (PCMS) NO. 1 DISPLAY**

- DURING LANE CLOSURES ALONG SR 45, USE A PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGN (PCMS) DISPLAY APPROXIMATELY 1500' IN ADVANCE OF THE LANE CLOSURE AREA FOR APPROACHING TRAFFIC. USE THE FOLLOWING PCMS DISPLAYS FOR LANE CLOSURES:



**PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGN (PCMS) DISPLAY**

\* INFORMATION IN ( ) TO BE ADDED PER CONSTRUCTION SCHEDULE

**WORK ZONE PHASING NOTES**

- UTILIZE INDICES 102-600, 102-601, 102-602, 102-607, 102-613, 102-615, & 102-660 AS NEEDED, TO CONSTRUCT SIDEWALK, DRIVEWAYS, DRAINAGE, SIGNALS, SIGNING, PAVEMENT MARKINGS, AND LIGHTING.
- UTILIZE QUADRANT PHASING NOTES AND PEDESTRIAN DETOUR DETAILS TO DETERMINE AND SETUP WORK ZONES.
- MAINTAIN PEDESTRIAN ACCESS TO BUS STOPS AND SIDE STREETS AT ALL TIMES.
- DO NOT USE UNSIGNED MID-BLOCK CROSSINGS IN PEDESTRIAN DETOUR ROUTES.
- UTILIZE INDEX 102-602 & 102-613 AND THE DRAINAGE STRUCTURE TCP DETAIL TO CONSTRUCT DRAINAGE STRUCTURES ADJACENT TO ROADWAY. DRAINAGE STRUCTURES TO BE CONSTRUCTED DURING CONTINUOUS WEEKEND CLOSURES BEGINNING FROM 7:00 PM FRIDAY TO 6:00 AM MONDAY.
- NO TWO DRIVEWAYS LOCATED AT STA. 1473+91.86 (LT), STA. 1475+36.27 (LT), STA. 1476+62.73 (LT), AND STA. 1478+38.28 (LT) ARE PERMITTED TO BE CONSTRUCTED CONCURRENTLY. MAINTAIN ACCESS TO THREE OF THE LISTED DRIVEWAYS AT ALL TIMES.

**PHASE IA (CULVERT JUNCTION SLAB):**

JUNCTION SLAB SHALL BE CONSTRUCTED THROUGH A CONTINUOUS WORKZONE BEGINNING FROM 7:00 PM FRIDAY TO 6:00 AM MONDAY. REFER TO PHASE IA - CULVERT JUNCTION SLAB DETAIL.

**PHASE IB (PEDEATRIAN DETOUR DETAIL 1):**

CONSTRUCT DRIVEWAYS, SIDEWALK, DRAINAGE, SIGNING & PAVEMENT MARKING AND LIGHTING IN THE FOLLOWING LOCATIONS:

- 69TH AVE. TO FLORIDA BLVD. RT.
- FLORIDA BLVD. TO 63RD AVE. W. LT.
- 53RD AVE. W. TO 49TH AVE. DR. W. LT.
- 49TH AVE. DR. W. TO ORLANDO AVE. RT.
- ORLANDO AVE. TO CORTEZ RD. LT.

**PHASE II (PEDEATRIAN DETOUR DETAIL 2):**

CONSTRUCT DRIVEWAYS, SIDEWALK, DRAINAGE, SIGNING & PAVEMENT MARKING AND LIGHTING IN THE FOLLOWING LOCATIONS:

- 69TH AVE. TO FLORIDA BLVD. LT.
- FLORIDA BLVD. TO 63RD AVE. W. RT.
- 53RD AVE. W. TO 49TH AVE. DR. W. RT.
- 49TH AVE. DR. W. TO ORLANDO AVE. LT.
- ORLANDO AVE. TO CORTEZ RD. RT.

**PHASE III (MEDIAN ISLANDS):**

CONSTRUCT ALL INSIDE FEATURES INCLUDING SIGNING AND MEDIAN ISLAND IMPROVEMENTS.

**PHASE IV (MILL AND RESURFACING):**

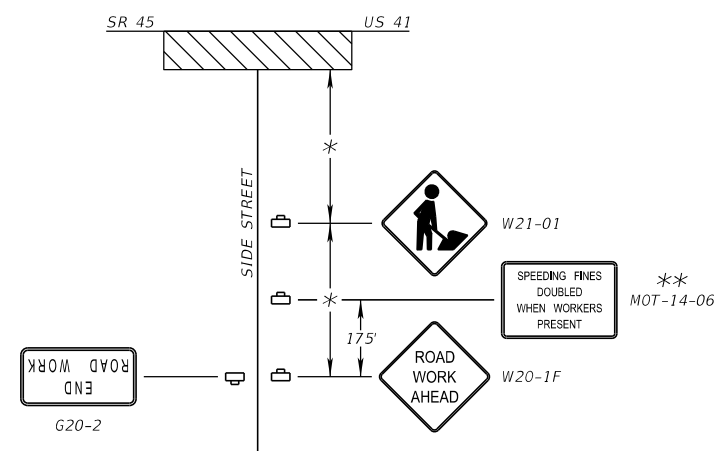
- MILL AND RESURFACE INTERSECTIONS
- INSTALL FINAL PAVEMENT MARKINGS
- OPEN TRAFFIC TO FINAL LANE CONFIGURATION

**SIGNALIZED SIDE STREETS:**

- 69TH AVE. W.
- BAY DR.
- FLORIDA BLVD.
- 53RD AVE. W.
- 49TH AVE. DR. W.
- 46TH AVE. DR. W.
- ORLANDO AVE.
- CORTEZ RD.

**MINOR SIDE STREETS:**

- 68TH AVE. W.
- 66TH AVE. W.
- 63RD AVE. W.
- 51ST AVE. DR. W.
- 50TH AVE. PLAZA W.
- 45TH AVE. W.

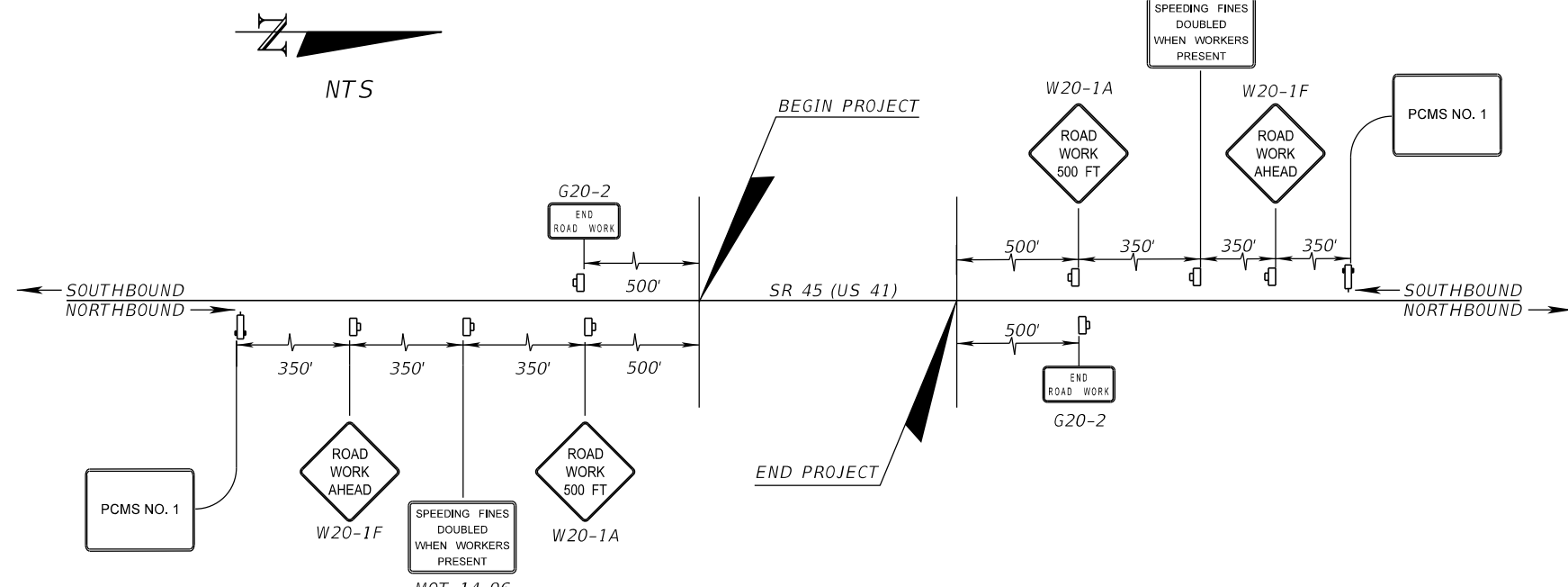


**SIDE STREET ADVANCE SIGNING**

NTS

\* = 350-FT FOR SIGNALIZED SIDE STREETS  
100-FT FOR MINOR SIDE STREETS

\*\* = ONLY TO BE USED WITH SIGNALIZED INTERSECTIONS



**SR 45 (US 41) ADVANCE SIGNING DETAIL**

NTS

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		149

QUADRANT I

1. PLACE PEDESTRIAN LONGITUDINAL DEVICES AND WORK ZONE SIGNS AT THE SOUTH AND EAST SEGMENTS OF QUADRANT I AND CLOSE SIDEWALK TO PEDESTRIANS. PLACE PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES AND WORK ZONE SIGNS AT THE NORTHEAST QUADRANT'S SOUTHERN CROSSING AND AT THE SOUTHWEST QUADRANT'S EASTERN CROSSING.
2. PLACE ADVANCE SIGNAGE, IN ACCORDANCE WITH INDEX 102-660, ROUTING WESTBOUND PEDESTRIAN TRAFFIC NORTH ACROSS STREET A AT CLOSEST PEDESTRIAN CROSSING TO THE EAST. ROUTE NORTHBOUND PEDESTRIAN TRAFFIC TO THE WEST SIDE OF STREET B AT CLOSEST PEDESTRIAN CROSSING TO THE SOUTH. ROUTE EASTBOUND PEDESTRIAN TRAFFIC TO THE NORTH SIDE OF STREET A. ROUTE SOUTHBOUND PEDESTRIAN TRAFFIC TO THE WEST SIDE OF STREET B.
3. CONSTRUCT PROPOSED FEATURES AS SHOWN IN THE PLANS. OPEN QUADRANT I WORK ZONE TO PEDESTRIAN TRAFFIC.

QUADRANT II

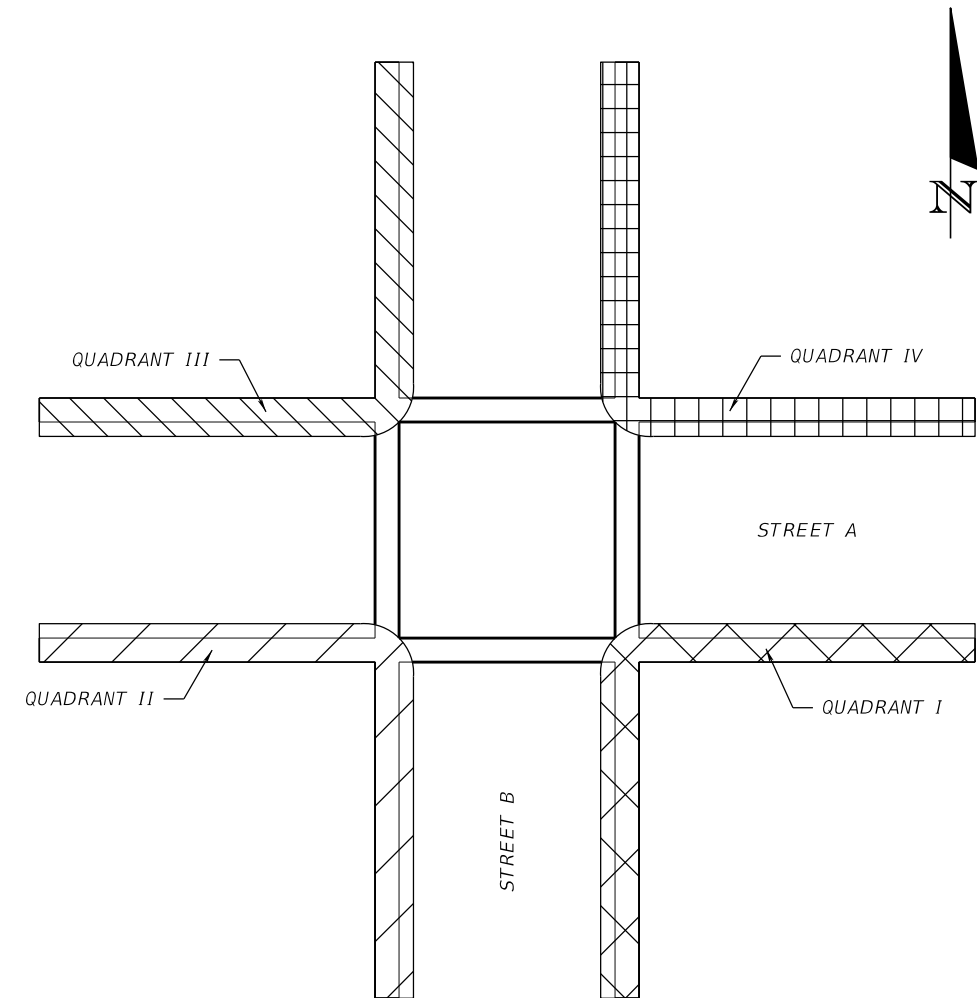
1. PLACE PEDESTRIAN LONGITUDINAL DEVICES AND WORK ZONE SIGNS AT THE SOUTH AND WEST SEGMENTS OF QUADRANT II AND CLOSE SIDEWALK TO PEDESTRIANS. PLACE PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES AND WORK ZONE SIGNS AT THE NORTHWEST QUADRANT'S SOUTHERN CROSSING AND AT THE SOUTHEAST QUADRANT'S WESTERN CROSSING.
2. PLACE ADVANCE SIGNAGE, IN ACCORDANCE WITH INDEX 102-660, ROUTING EASTBOUND PEDESTRIAN TRAFFIC NORTH ACROSS STREET A AT CLOSEST PEDESTRIAN CROSSING TO THE WEST. ROUTE NORTHBOUND PEDESTRIAN TRAFFIC TO THE EAST SIDE OF STREET B AT CLOSEST PEDESTRIAN CROSSING TO THE SOUTH. ROUTE WESTBOUND PEDESTRIAN TRAFFIC TO THE NORTH SIDE OF STREET A. ROUTE SOUTHBOUND PEDESTRIAN TRAFFIC TO THE EAST SIDE OF STREET B.
3. CONSTRUCT PROPOSED FEATURES AS SHOWN IN THE PLANS. OPEN QUADRANT II WORK ZONE TO PEDESTRIAN TRAFFIC.

QUADRANT III

1. PLACE PEDESTRIAN LONGITUDINAL DEVICES AND WORK ZONE SIGNS AT THE NORTH AND WEST SEGMENTS OF QUADRANT III AND CLOSE SIDEWALK TO PEDESTRIANS. PLACE PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES AND WORK ZONE SIGNS AT THE NORTHEAST QUADRANT'S WESTERN CROSSING AND AT THE SOUTHWEST QUADRANT'S NORTHERN CROSSING.
2. PLACE ADVANCE SIGNAGE, IN ACCORDANCE WITH INDEX 102-660, ROUTING EASTBOUND PEDESTRIAN TRAFFIC SOUTH ACROSS STREET A AT CLOSEST PEDESTRIAN CROSSING TO THE WEST. ROUTE SOUTHBOUND PEDESTRIAN TRAFFIC TO THE EAST SIDE OF STREET B AT CLOSEST PEDESTRIAN CROSSING TO THE NORTH. ROUTE WESTBOUND PEDESTRIAN TRAFFIC TO THE SOUTH SIDE OF STREET A. ROUTE NORTHBOUND PEDESTRIAN TRAFFIC TO THE EAST SIDE OF STREET B.
3. CONSTRUCT PROPOSED FEATURES AS SHOWN IN THE PLANS. OPEN QUADRANT III WORK ZONE TO PEDESTRIAN TRAFFIC.

QUADRANT IV

1. PLACE PEDESTRIAN LONGITUDINAL DEVICES AND WORK ZONE SIGNS AT THE NORTH AND EAST SEGMENTS OF QUADRANT IV AND CLOSE SIDEWALK TO PEDESTRIANS. PLACE PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES AND WORK ZONE SIGNS AT THE SOUTHEAST QUADRANT'S NORTHERN CROSSING AND AT THE NORTHWEST QUADRANT'S EASTERN CROSSING.
2. PLACE ADVANCE SIGNAGE, IN ACCORDANCE WITH INDEX 102-660, ROUTING WESTBOUND PEDESTRIAN TRAFFIC SOUTH ACROSS STREET A AT CLOSEST PEDESTRIAN CROSSING TO THE EAST. ROUTE SOUTHBOUND PEDESTRIAN TRAFFIC TO THE WEST SIDE OF STREET B AT CLOSEST PEDESTRIAN CROSSING TO THE NORTH. ROUTE EASTBOUND PEDESTRIAN TRAFFIC TO THE SOUTH SIDE OF STREET A. ROUTE NORTHBOUND PEDESTRIAN TRAFFIC TO THE WEST SIDE OF STREET B.
3. CONSTRUCT PROPOSED FEATURES AS SHOWN IN THE PLANS. OPEN QUADRANT IV WORK ZONE TO PEDESTRIAN TRAFFIC.



SIDEWALK CLOSURE AND PEDESTRIAN DETOUR PHASING DETAIL

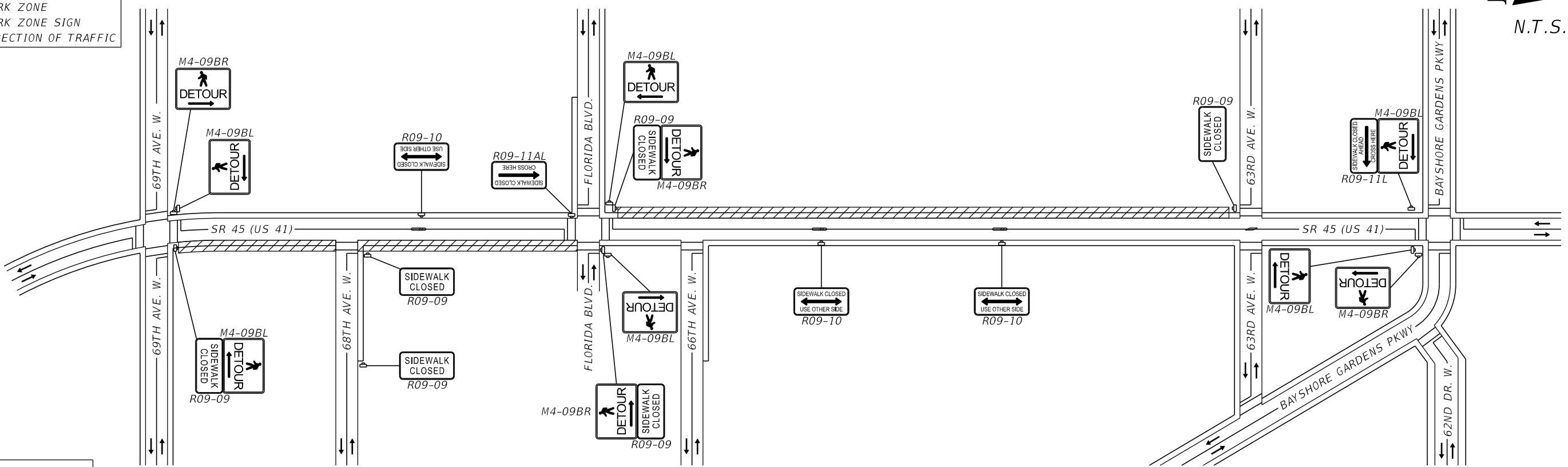
NOTE: PHASING APPROACH ONLY NECESSARY WHEN PROPOSED WORK REQUIRES CLOSURE OF EXISTING SIDEWALK. PHASE CONSTRUCTION TO ENSURE SIDEWALK CLOSURE OCCURS IN ONLY ONE QUADRANT AT A TIME.

LEGEND	
	QUADRANT I WORK ZONE
	QUADRANT II WORK ZONE
	QUADRANT III WORK ZONE
	QUADRANT IV WORK ZONE

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			TEMPORARY TRAFFIC CONTROL PLAN	SHEET NO. 150
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

**LEGEND**

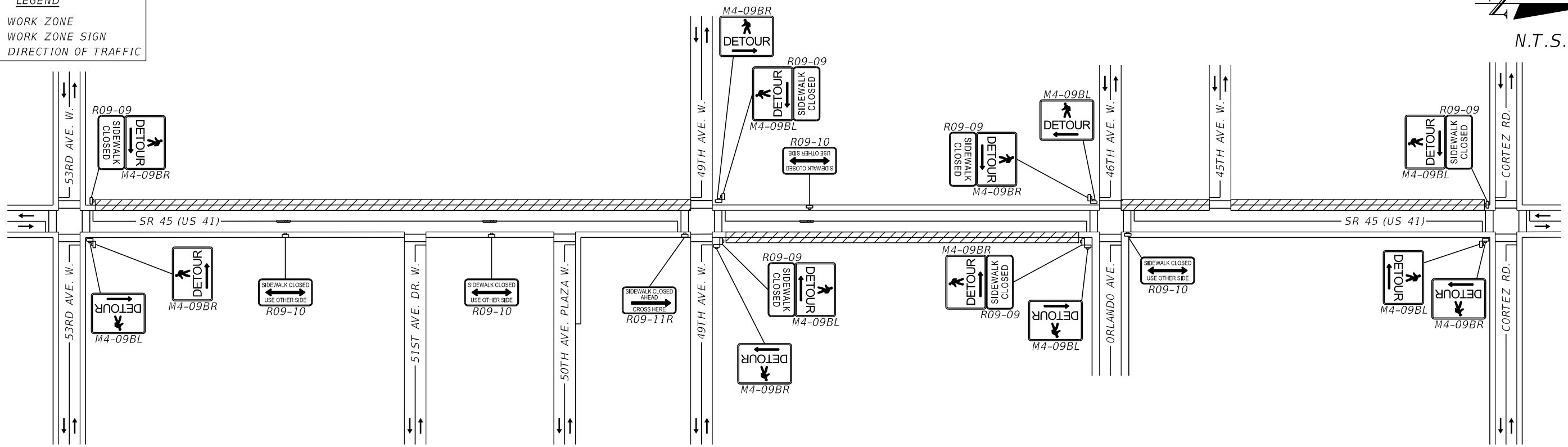
- WORK ZONE
- WORK ZONE SIGN
- DIRECTION OF TRAFFIC



**PHASE I**

**LEGEND**

- WORK ZONE
- WORK ZONE SIGN
- DIRECTION OF TRAFFIC



**PHASE I**

**PEDESTRIAN DETOUR DETAIL 1**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

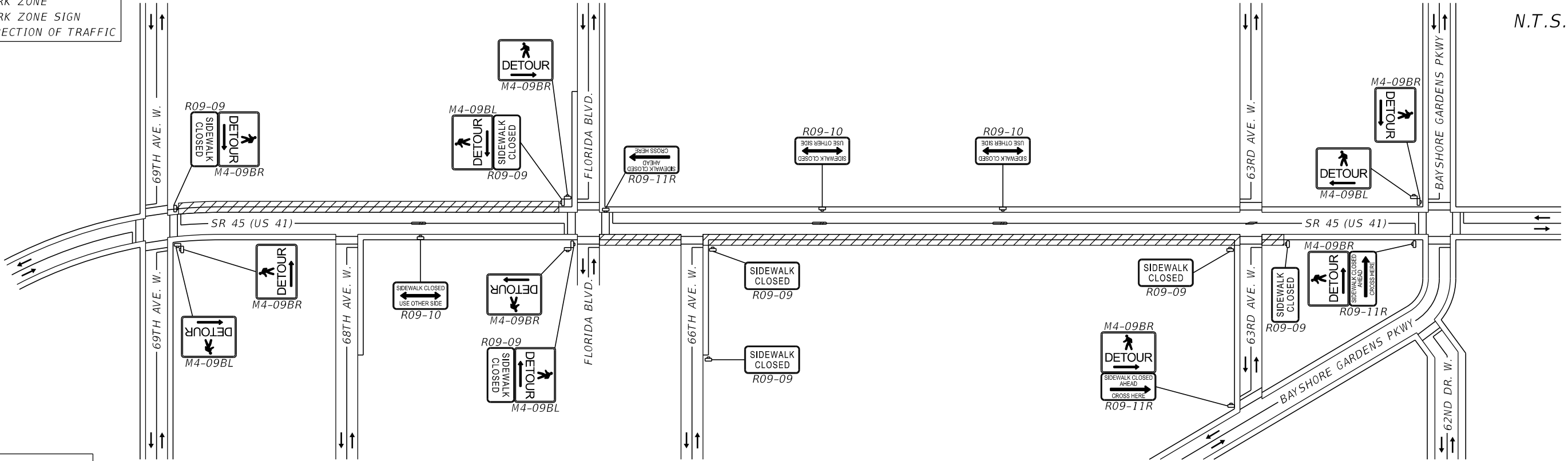
**TEMPORARY TRAFFIC CONTROL PLAN**

SHEET NO.  
**151**

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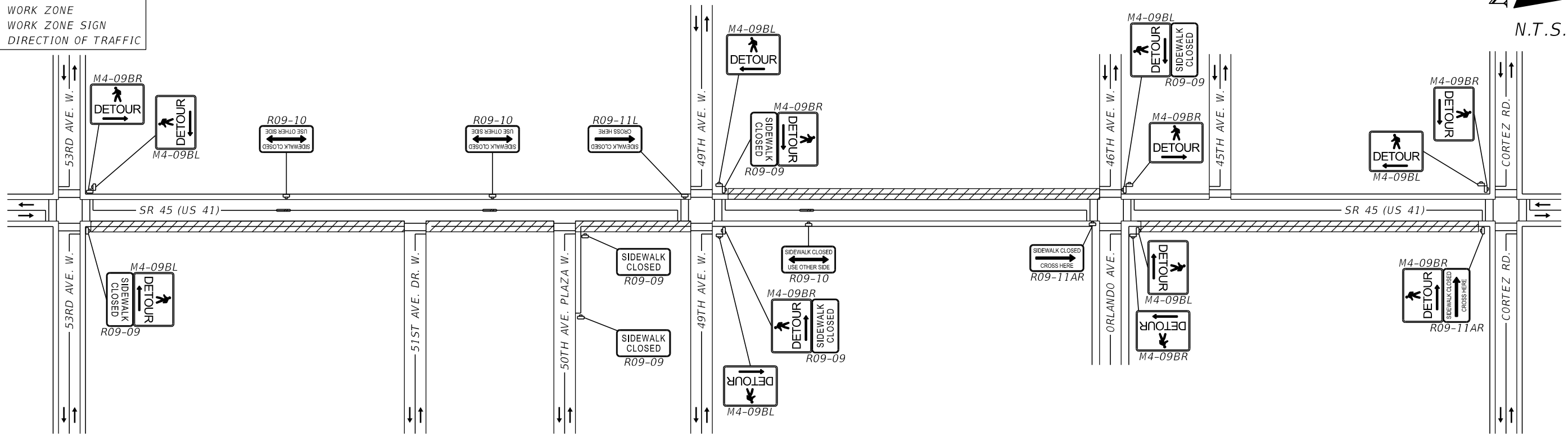
**LEGEND**

- WORK ZONE
- WORK ZONE SIGN
- DIRECTION OF TRAFFIC



**LEGEND**

- WORK ZONE
- WORK ZONE SIGN
- DIRECTION OF TRAFFIC



PEDESTRIAN DETOUR DETAIL 2

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

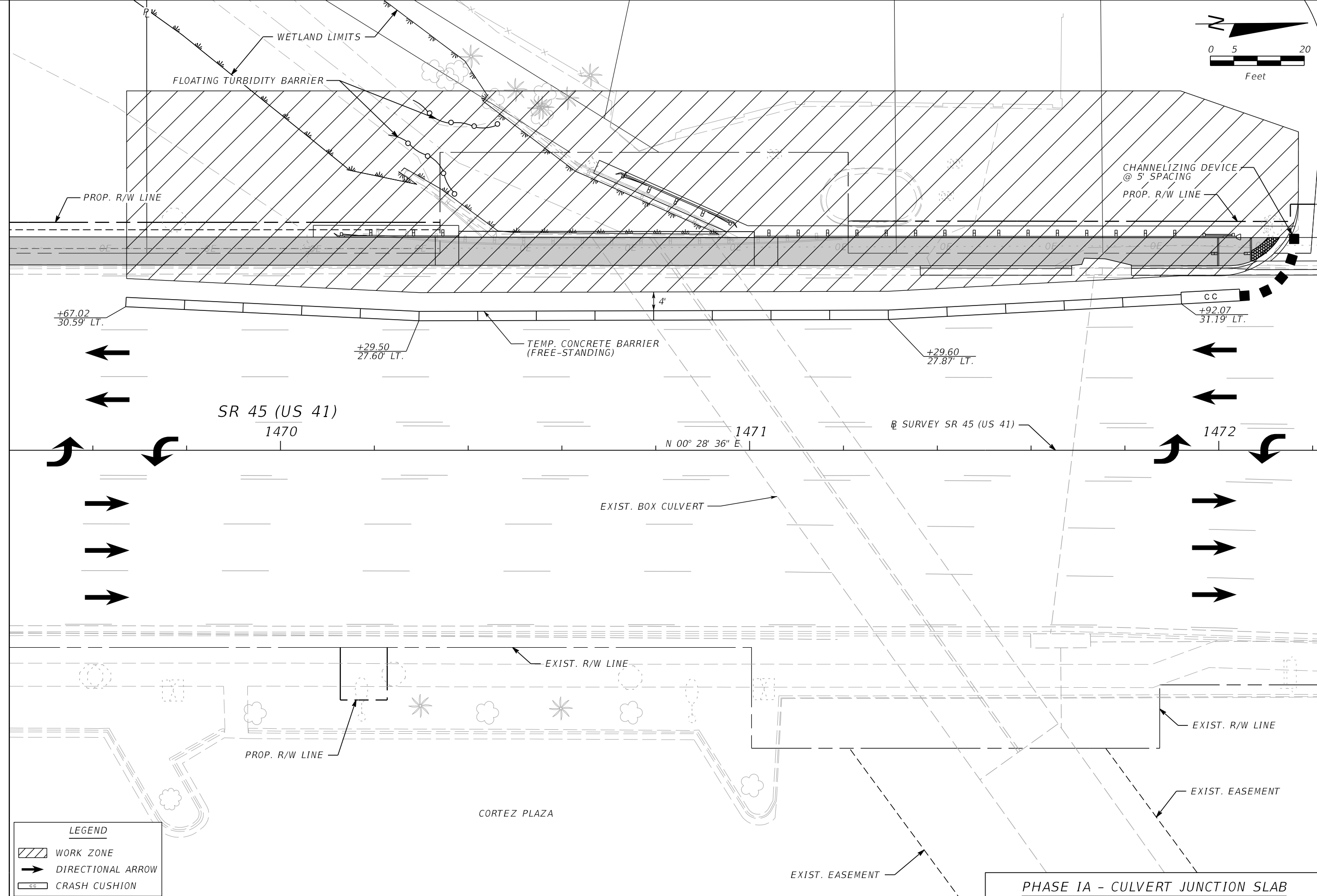
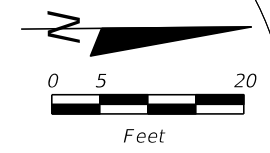
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**TEMPORARY TRAFFIC CONTROL PLAN**

SHEET NO.  
152

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**LEGEND**

	WORK ZONE
	DIRECTIONAL ARROW
	CRASH CUSHION

**PHASE IA - CULVERT JUNCTION SLAB**

REVISIONS		DATE	DESCRIPTION
DATE	DESCRIPTION	DATE	DESCRIPTION

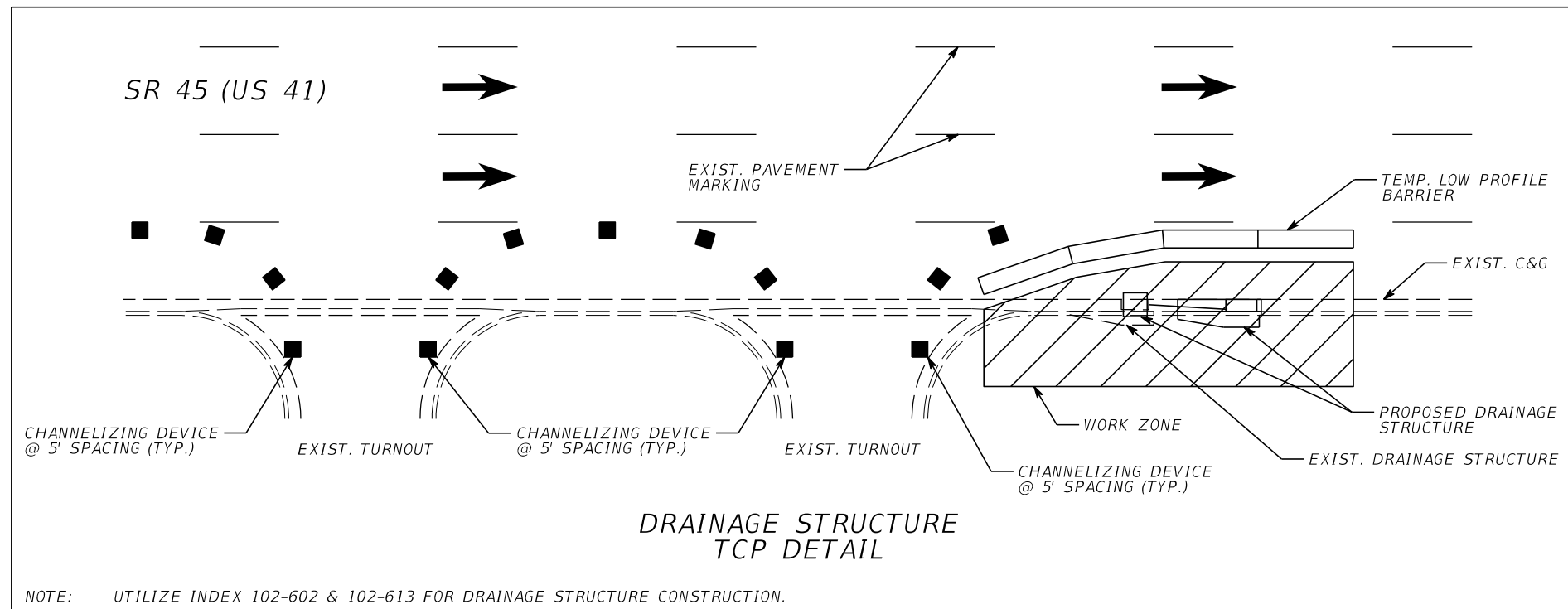
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**TEMPORARY TRAFFIC CONTROL PLAN**

SHEET NO. 153

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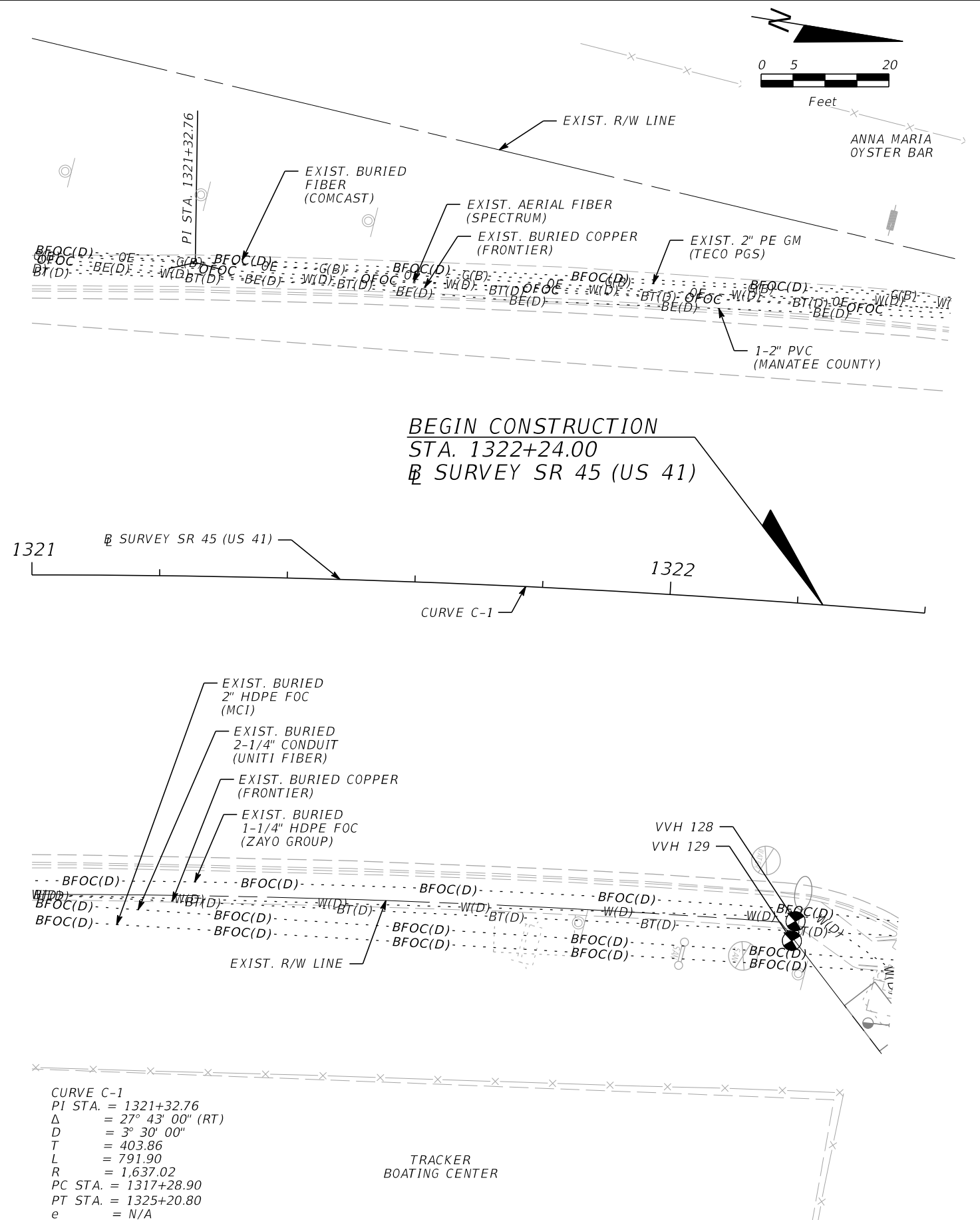
REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>TEMPORARY TRAFFIC CONTROL PLAN</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		154
					SR 45	MANATEE	433592-4-58-01		



**GENERAL NOTES**

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

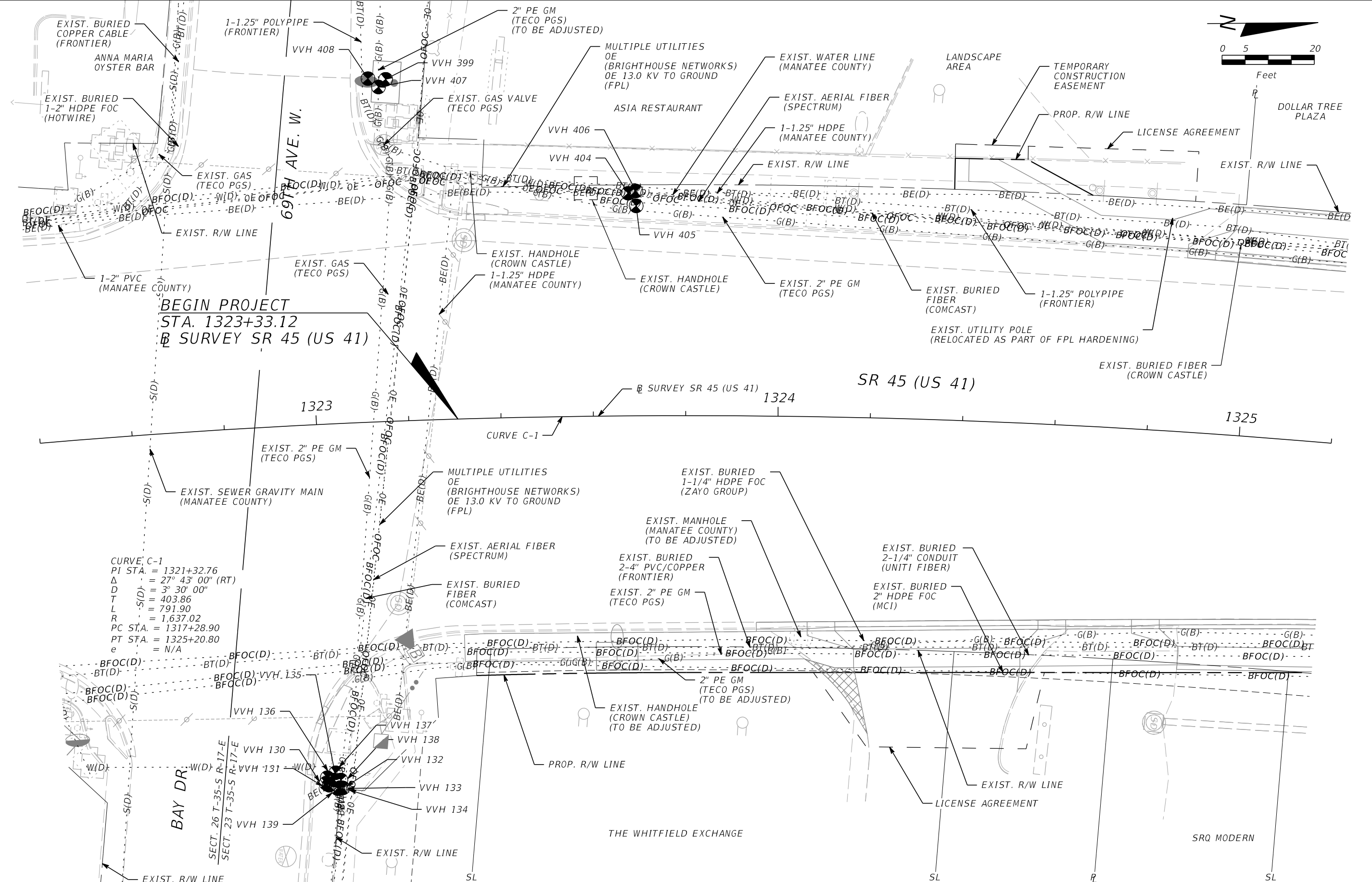
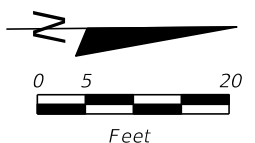
COMPANY	CONTACT	TELEPHONE NUMBERS
COMCAST	KEVIN MURPHY	(941) 356-1489
CROWN CASTLE	DANNY HASKETT	(786) 610-7073
FLORIDA POWER & LIGHT - DISTRIBUTIONS	TODD BOLKEMA	(941) 927-4262
FLORIDA POWER & LIGHT - TRANSMISSION	CRAIG LEDBETTER	(561) 803-7942
FRONTIER COMMUNICATIONS	DENISE HUTTON	(941) 906-6722
MANATEE COUNTY IT DEPARTMENT	BILL KERSEY	(941) 748-4501 X 5803
MANATEE COUNTY TRAFFIC OPERATIONS	NEIL BYRNE	(941) 749-3500 X 7859
MANATEE COUNTY UTILITY OPERATIONS	LORENZO DUARTE	(941) 708-7450 X 7373
MCI	JAMES BARRA	(813) 928-9881
SPECTRUM	JAMES FLEMMING	(941) 213-0877
TECO PEOPLES GAS	ALEX MCFARLANE	(813) 275-3762
UNITI FIBER	DAVID WOODS	(813) 539-1180
ZAYO GROUP LLC	TESS BENTAYOU	(813) 363-6797
- EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
- REMOVE EXISTING IRRIGATION LINES, SPRINKLERS, OR VALVE BOXES WITHIN THE R/W THAT CONFLICT WITH THE PROPOSED CONSTRUCTION. CAP LINES THAT EXTEND OUTSIDE THE R/W.
- COORDINATE WITH MANATEE COUNTY AREA TRANSIT (MCAT) FOR THE RELOCATION/REMOVAL OF ALL MCAT SIGNS.



REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  155
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

**UTILITY ADJUSTMENTS (01)**

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**BEGIN PROJECT**  
**STA. 1323+33.12**  
**SR SURVEY SR 45 (US 41)**

**CURVE C-1**  
 PI STA. = 1321+32.76  
 Δ = 27° 43' 00" (RT)  
 D = 3° 30' 00"  
 T = 403.86  
 L = 791.90  
 R = 1,637.02  
 PC STA. = 1317+28.90  
 PT STA. = 1325+20.80  
 e = N/A

**BAY DR.**  
 SECT. 26 T-35-S R-17-E  
 SECT. 23 T-35-S R-17-E

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

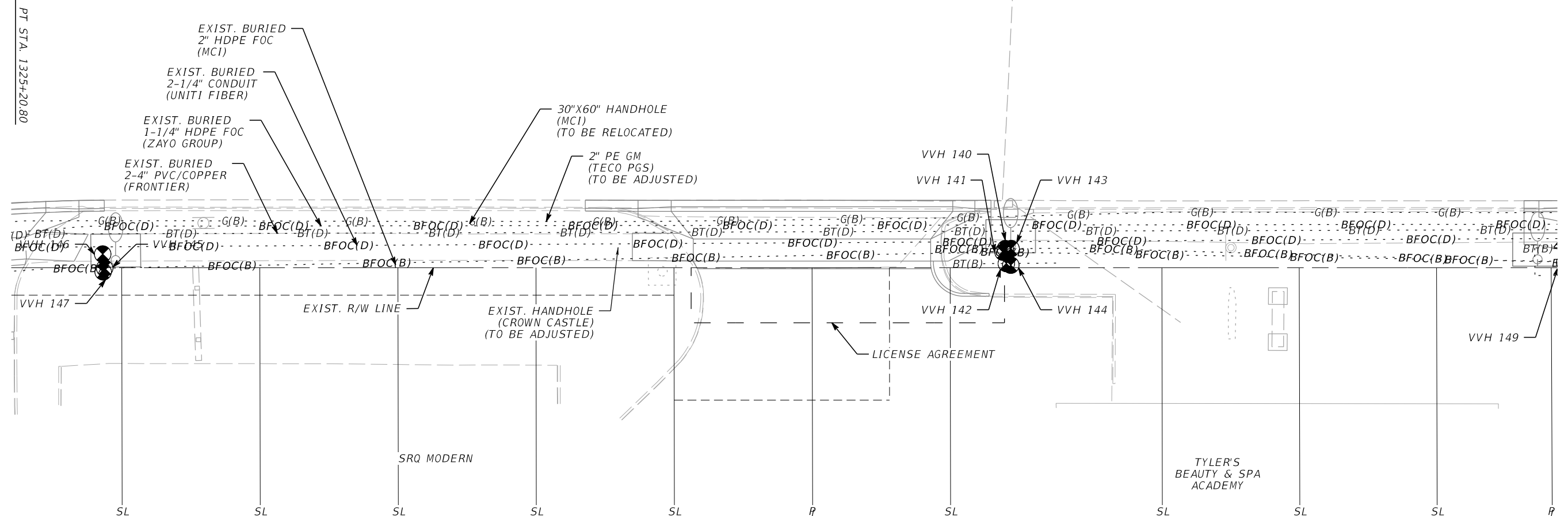
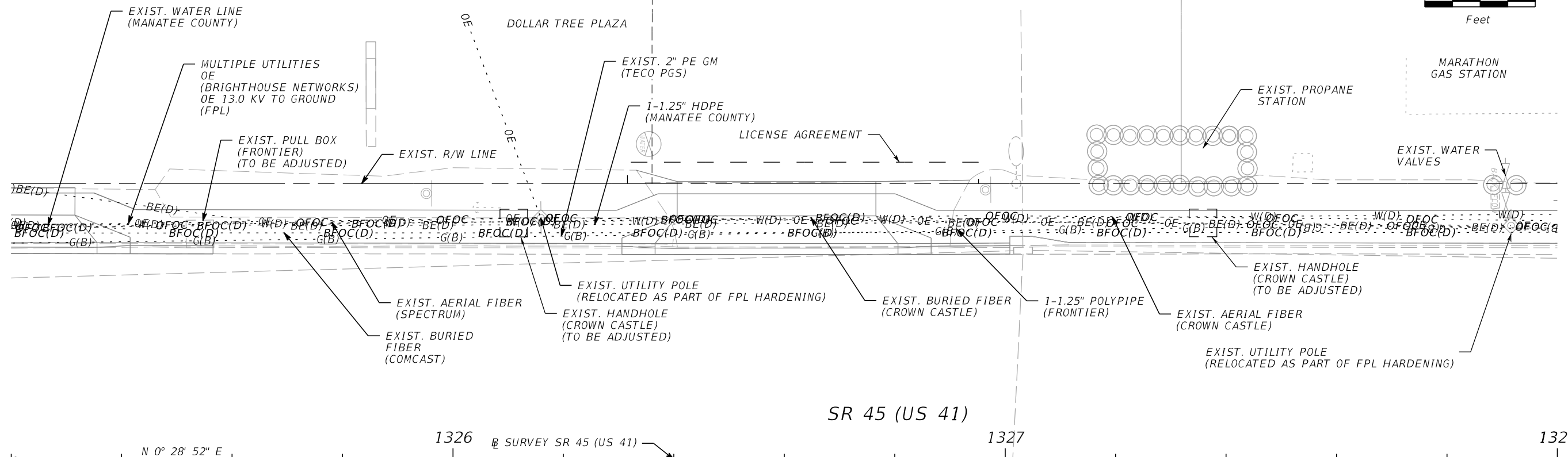
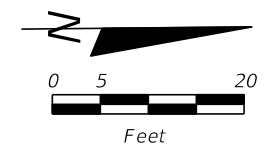
**JULIO C. DELGADO, P.E.**  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (02)**

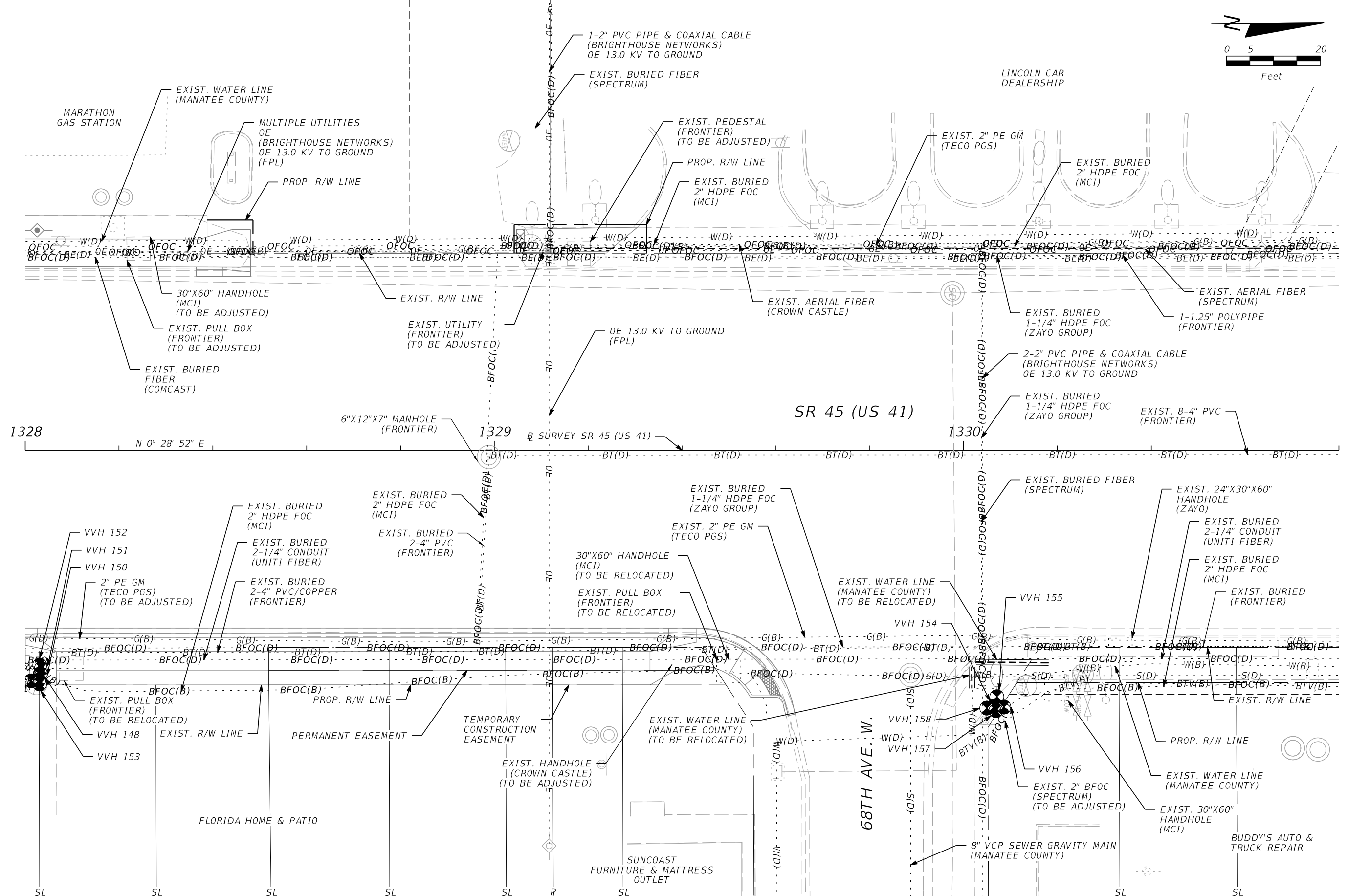
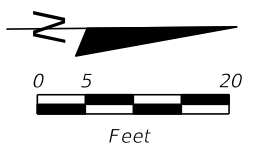
SHEET NO.  
**156**

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REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>UTILITY ADJUSTMENTS (03)</b>	SHEET NO. 157
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 45	MANATEE	433592-4-58-01			

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

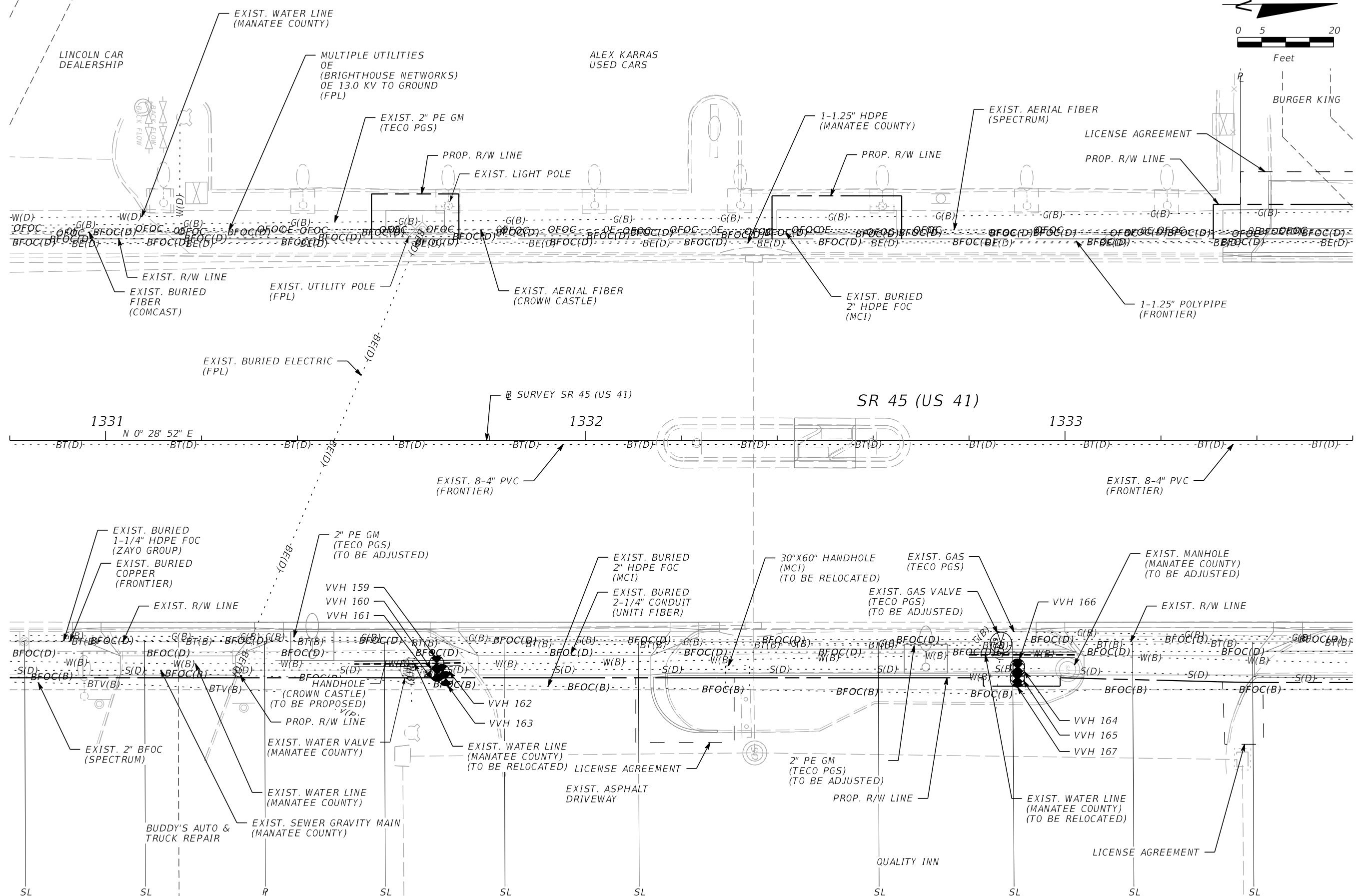
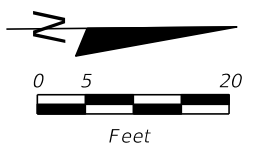
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (04)**

SHEET NO.  
158

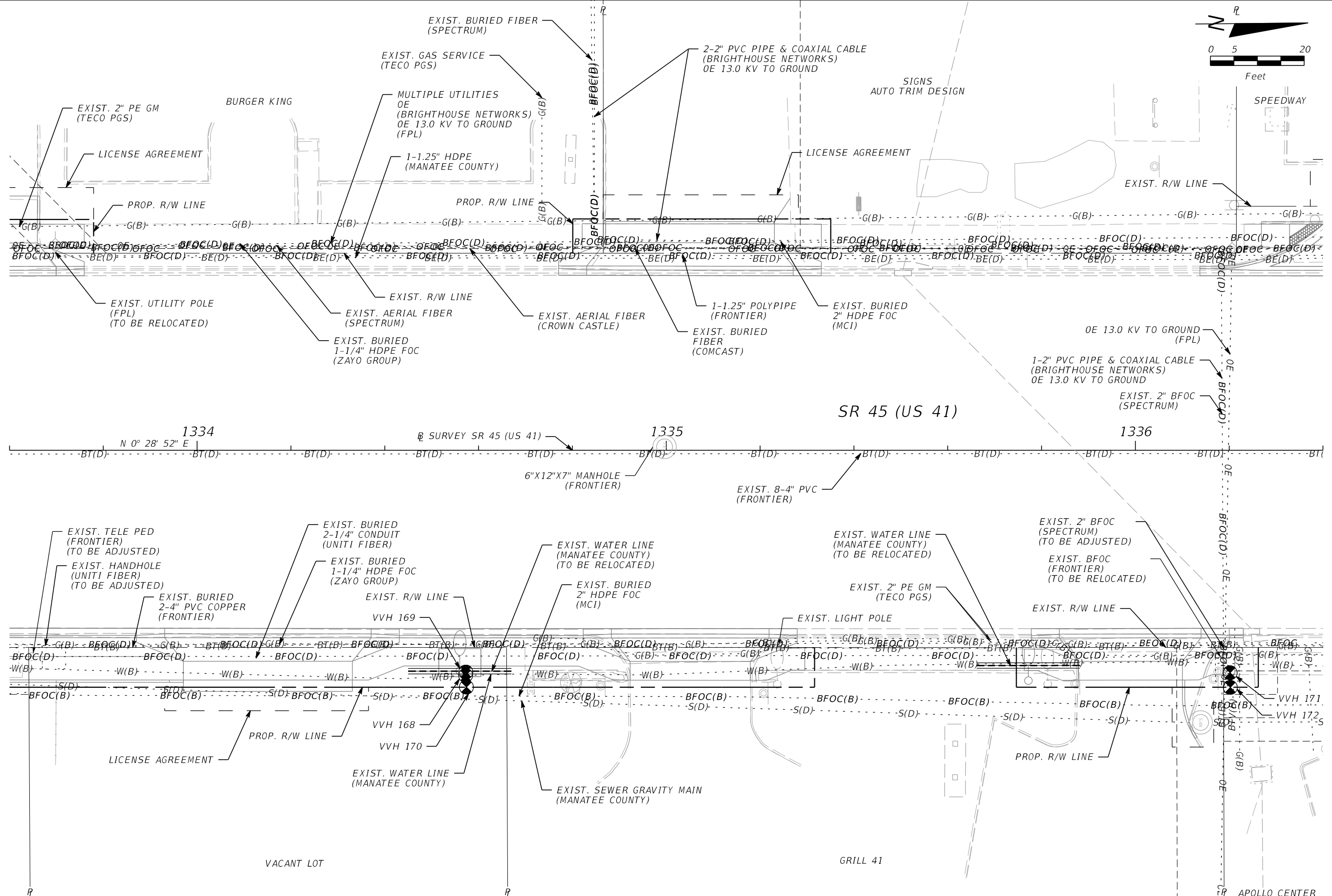
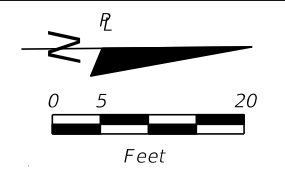
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS		DATE		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION		

JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			<b>MANATEE COUNTY</b>		<b>UTILITY ADJUSTMENTS (05)</b>	SHEET NO. <b>159</b>
ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
SR 45	MANATEE	433592-4-58-01				

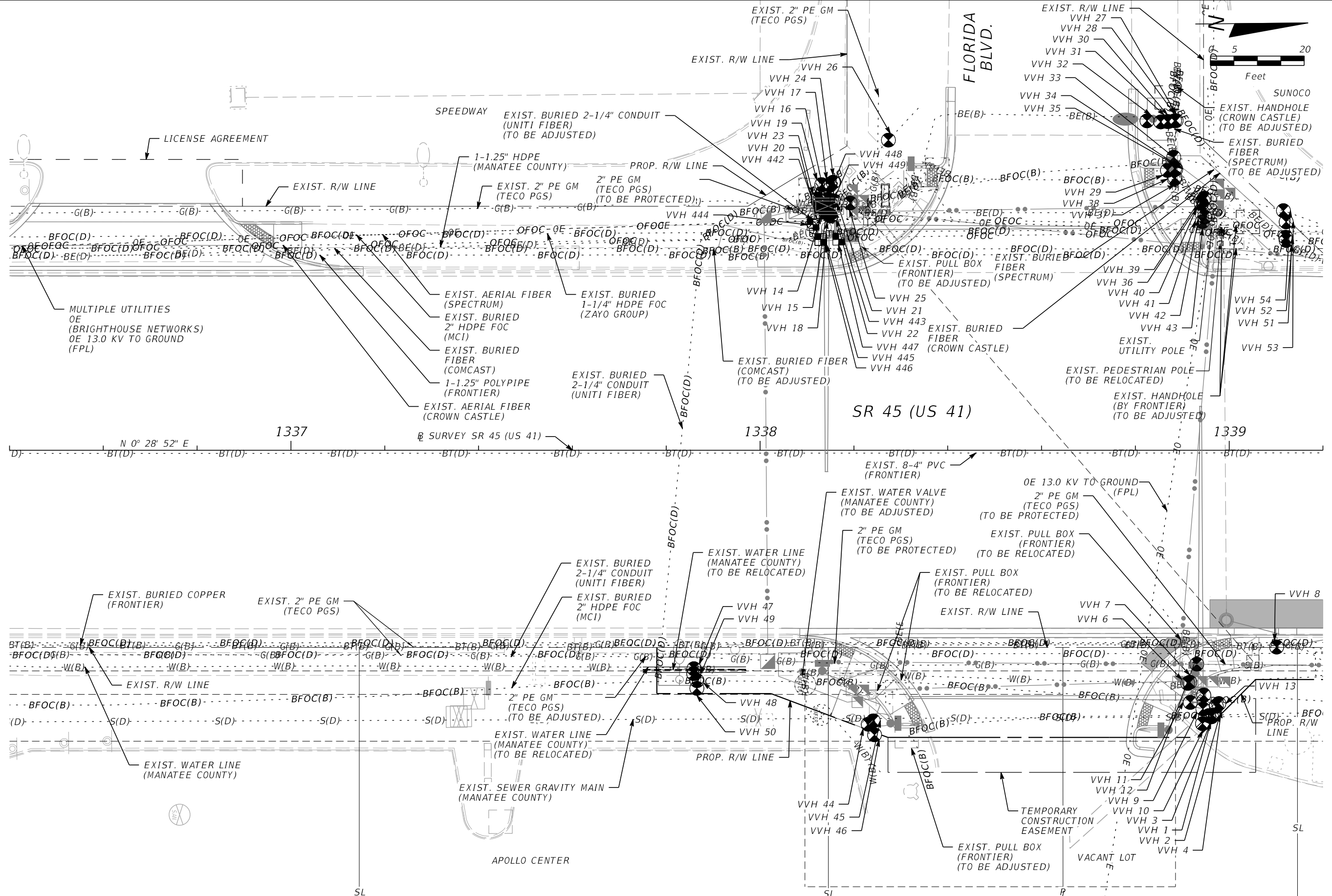
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REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  <b>160</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

**UTILITY ADJUSTMENTS (06)**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

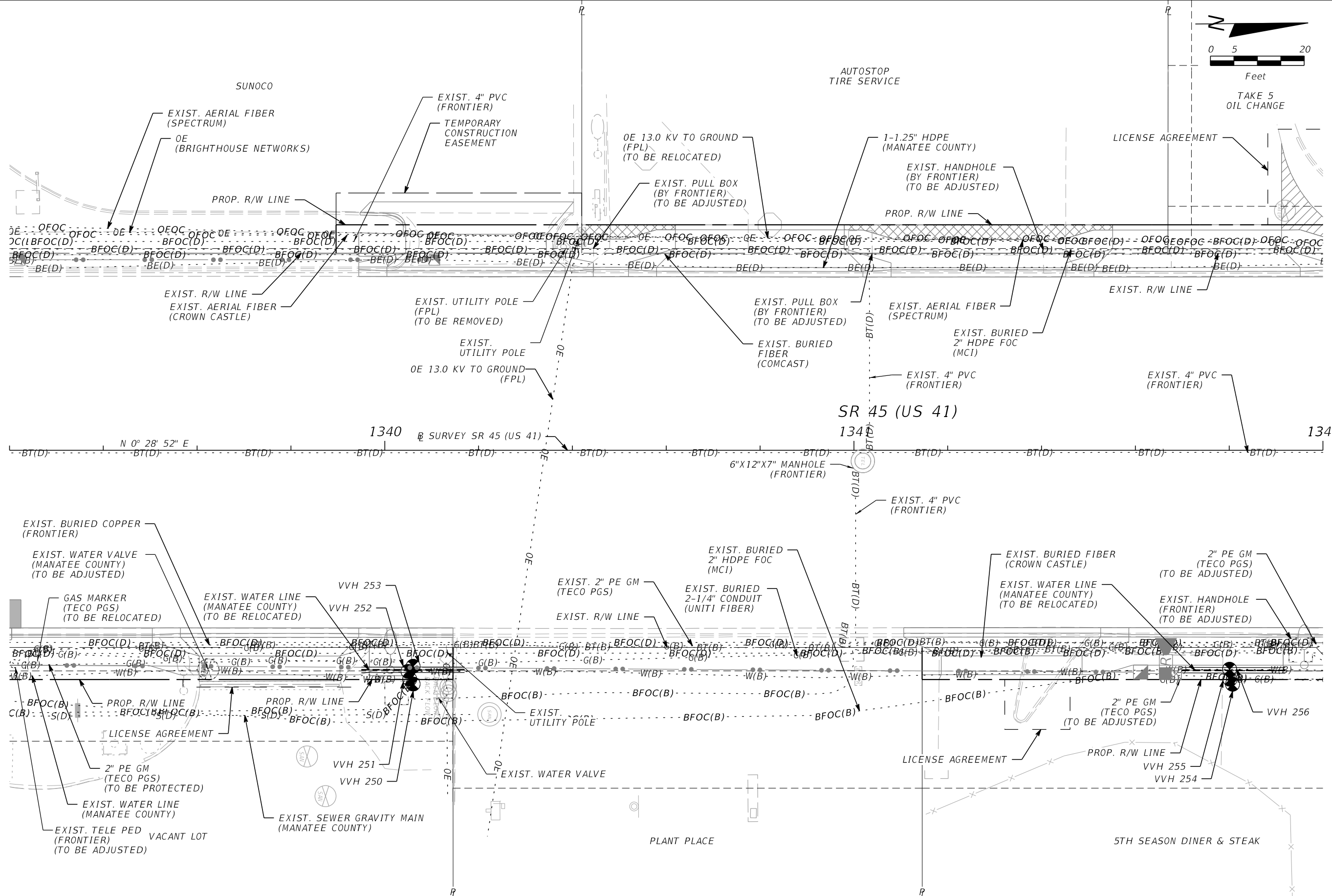
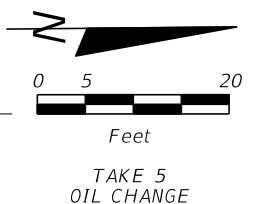
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (07)**

SHEET NO.
161

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

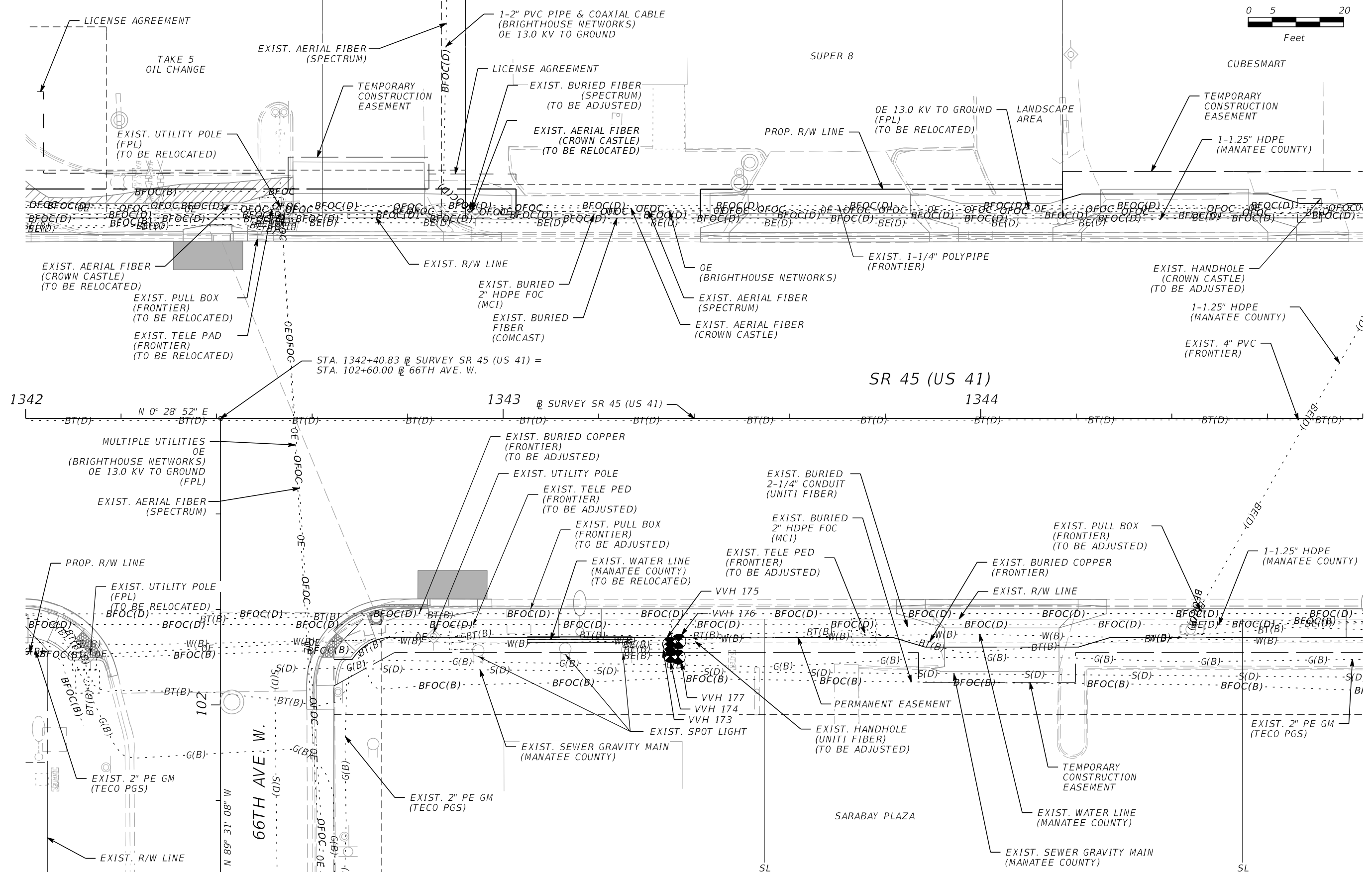
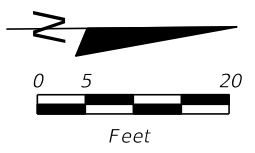
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (08)**

SHEET NO.  
162

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REVISIONS	
DATE	DESCRIPTION

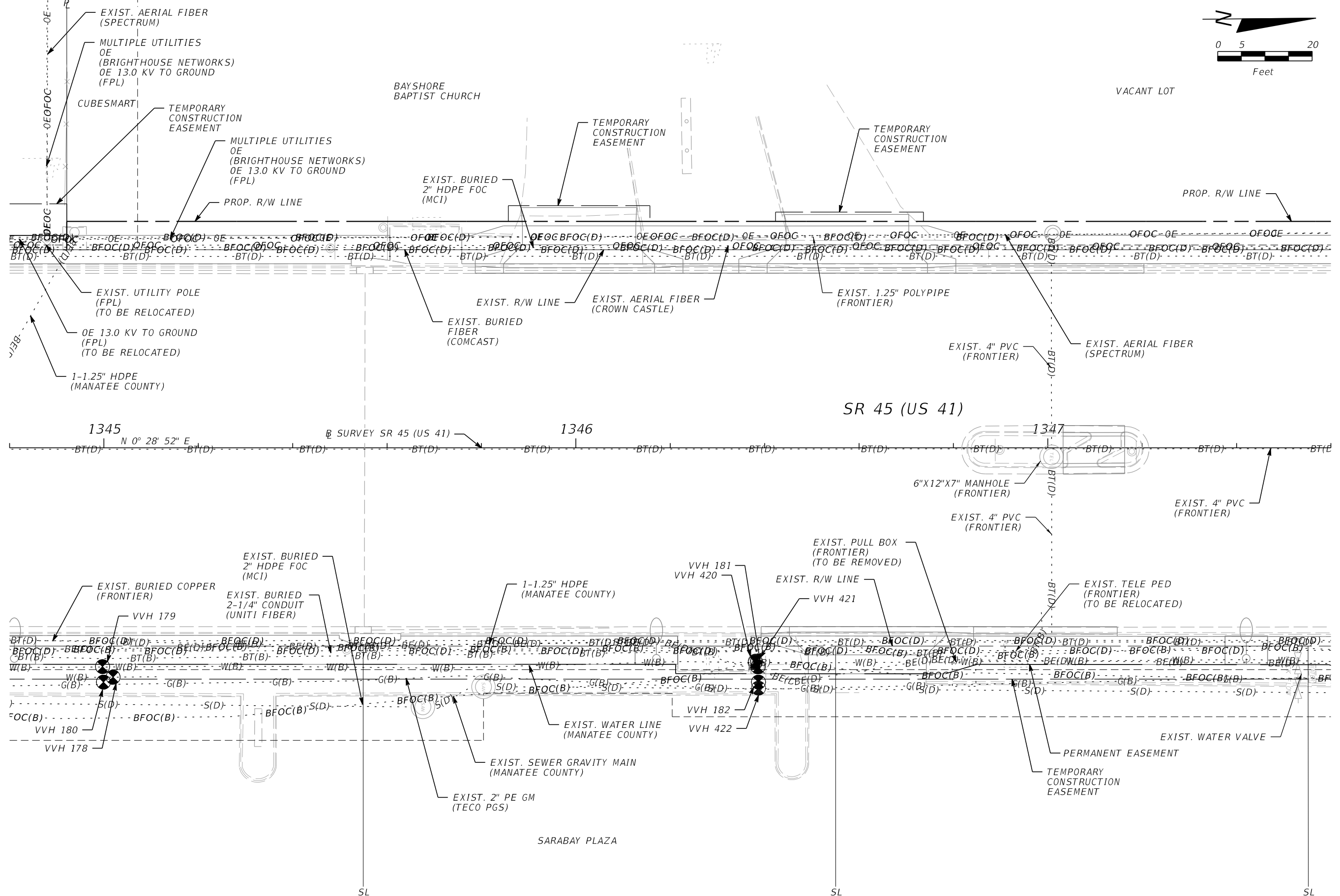
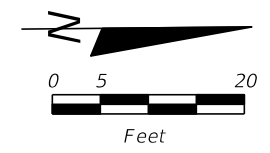
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (09)**

SHEET NO.  
163

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

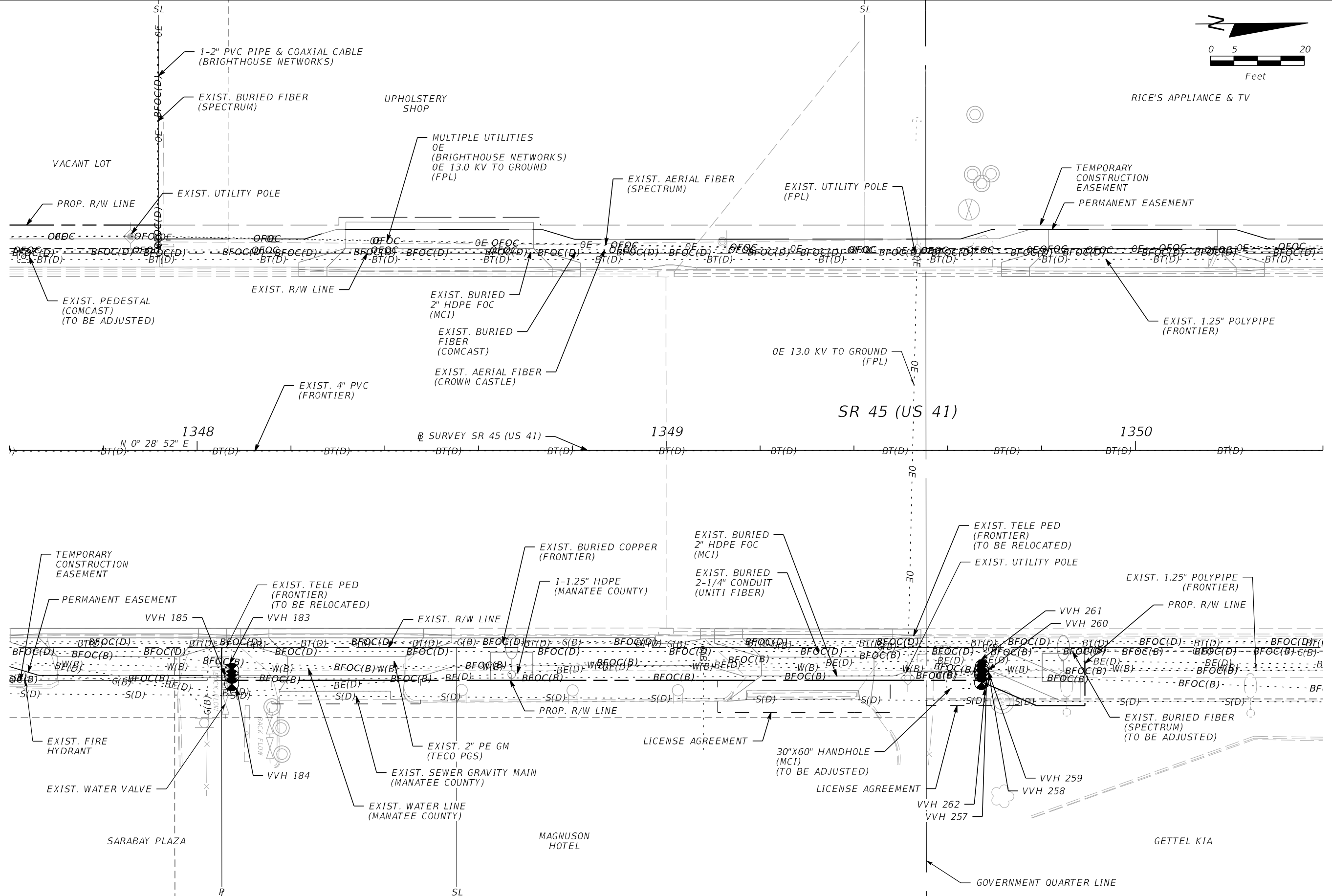
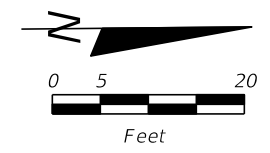
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (10)**

SHEET NO.
164

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

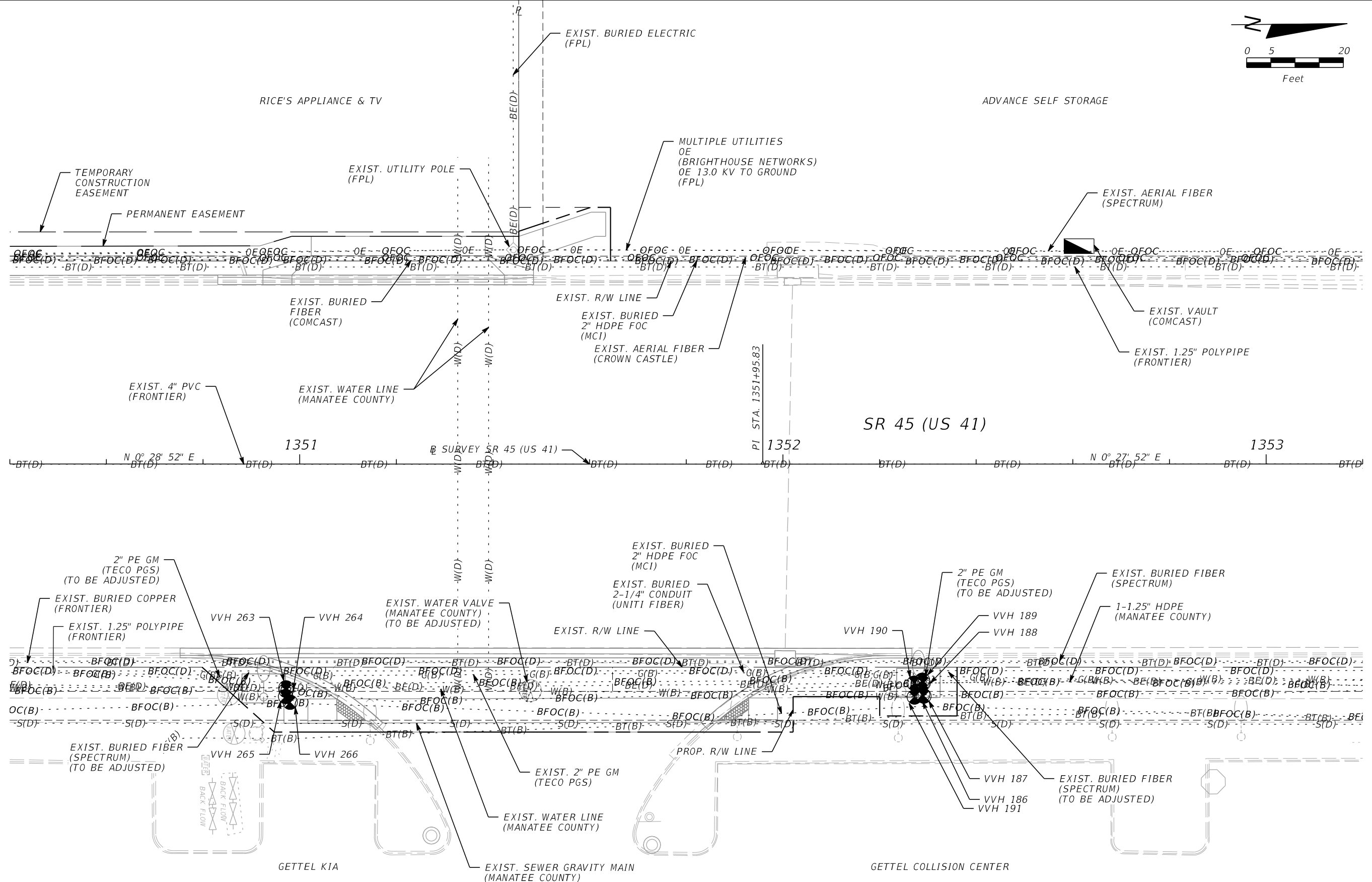
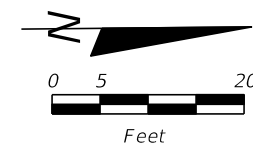
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (11)**

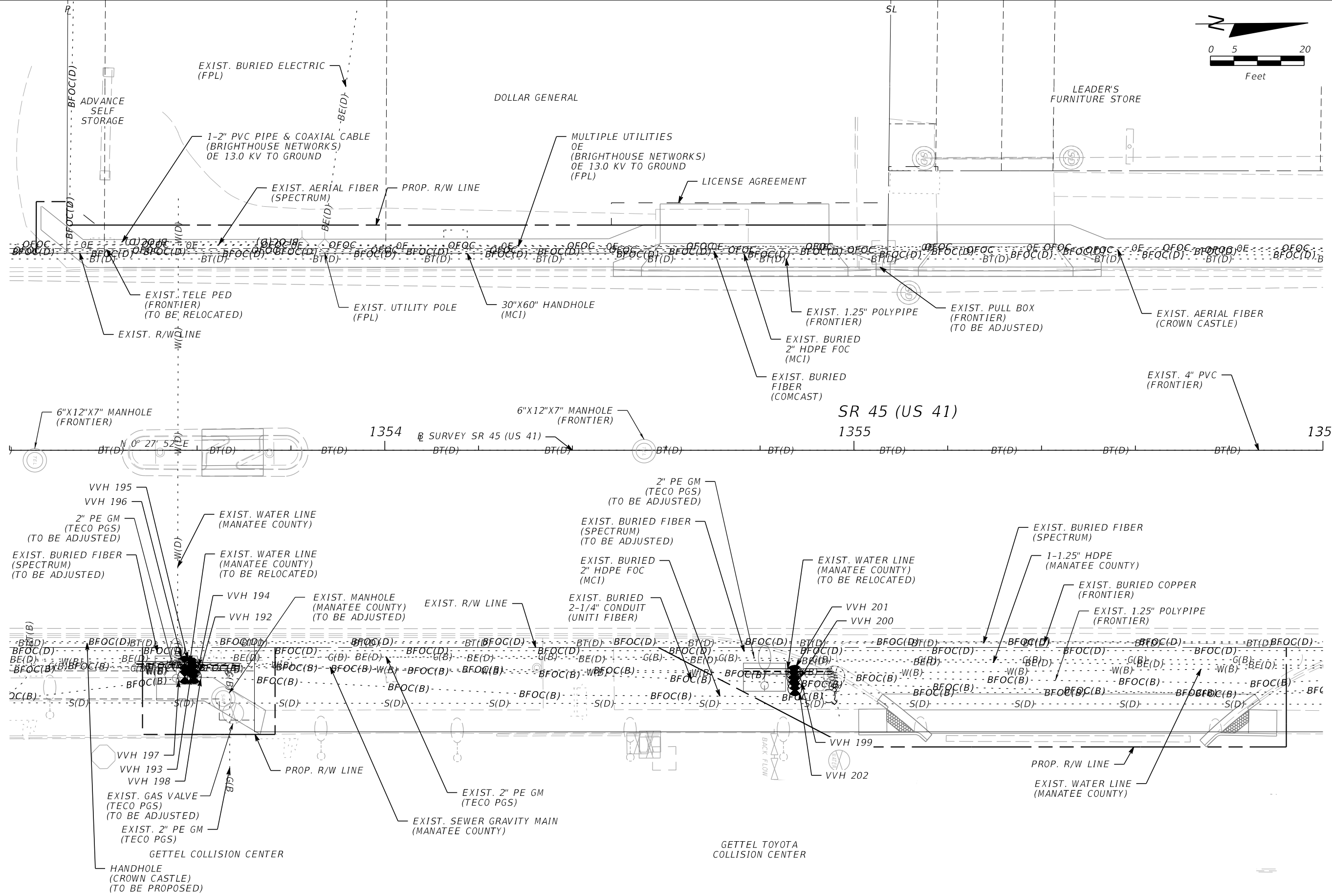
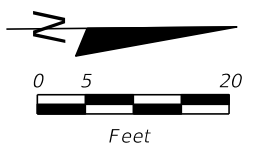
SHEET NO.  
165

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REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>UTILITY ADJUSTMENTS (12)</b>  SHEET NO. 166
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

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DATE	DESCRIPTION	DATE	DESCRIPTION

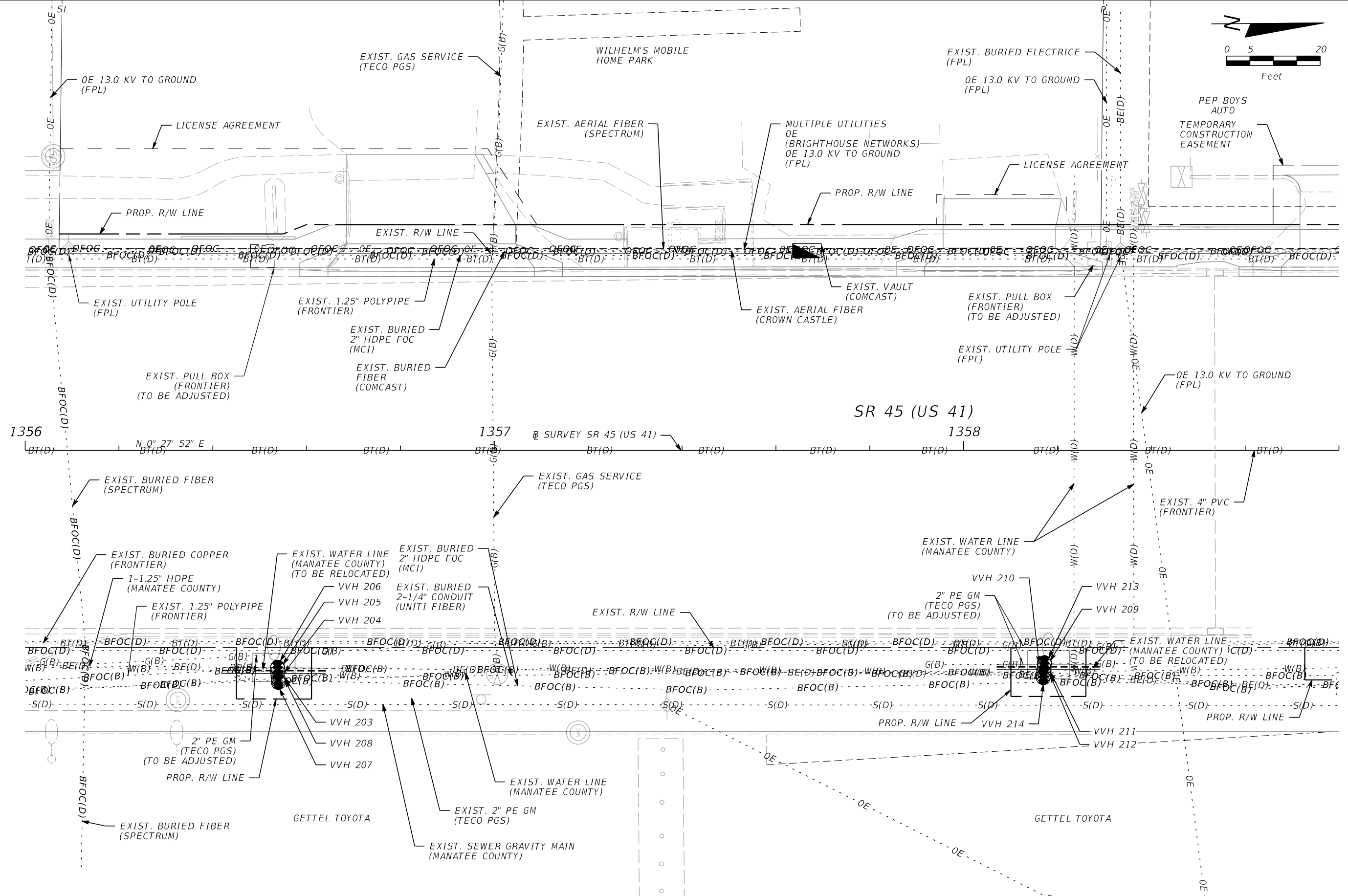
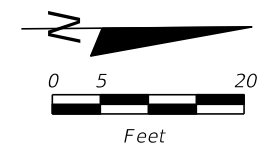
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (13)**

SHEET NO.  
167

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

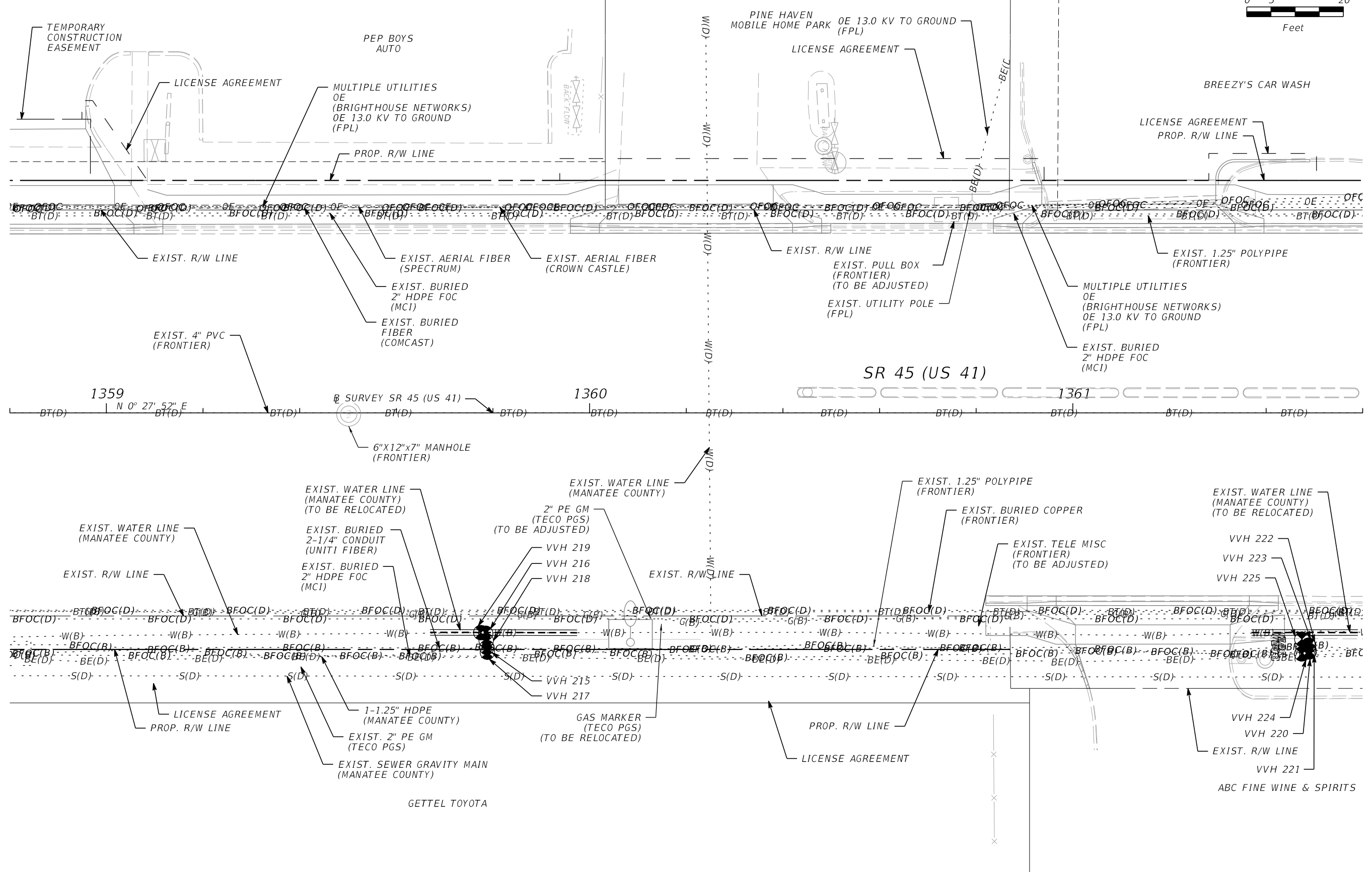
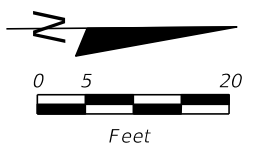
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (14)**

SHEET NO.  
168

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

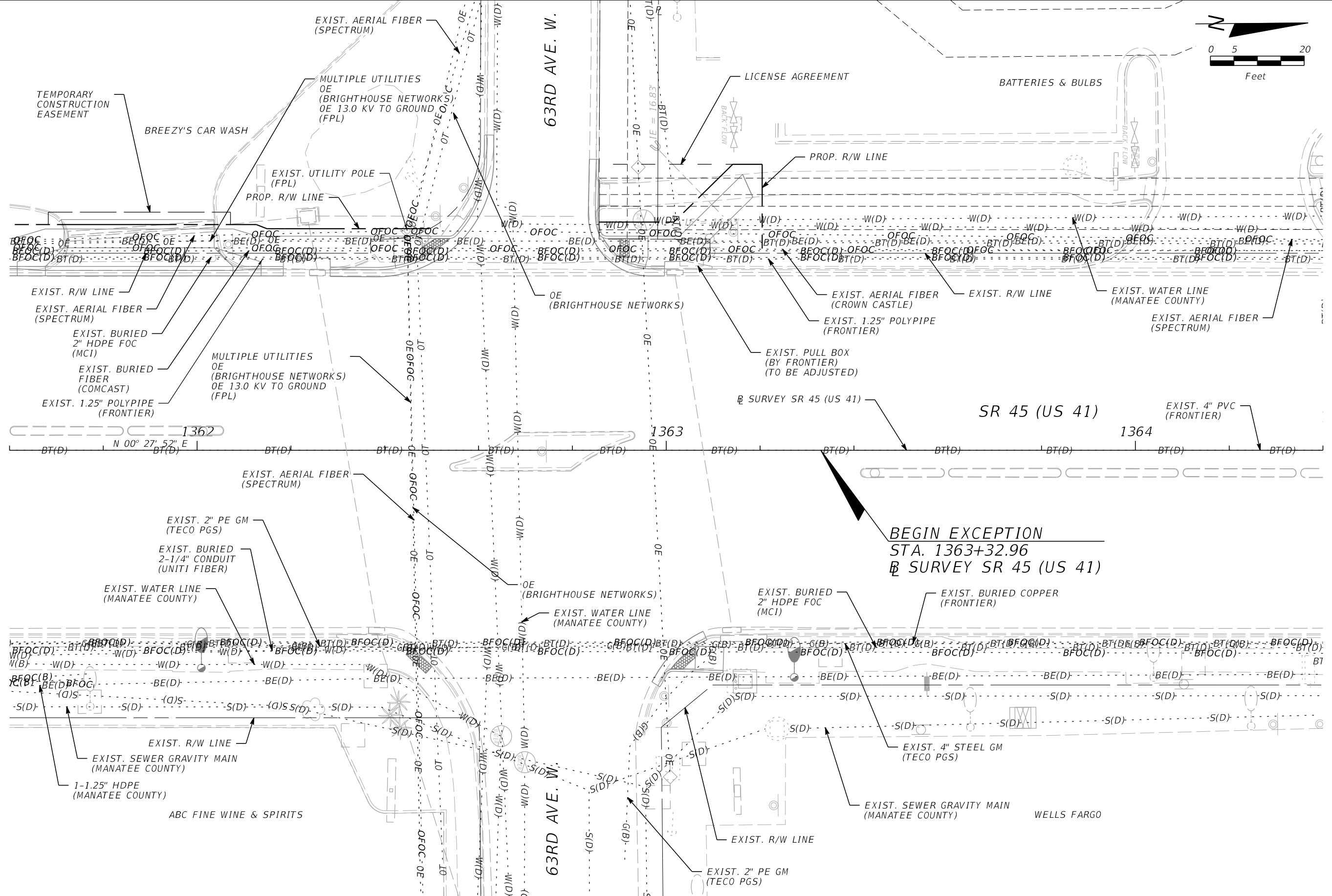
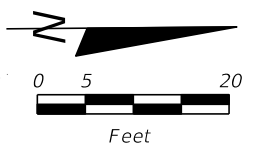
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 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

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**UTILITY ADJUSTMENTS (15)**

SHEET NO.  
169

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 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

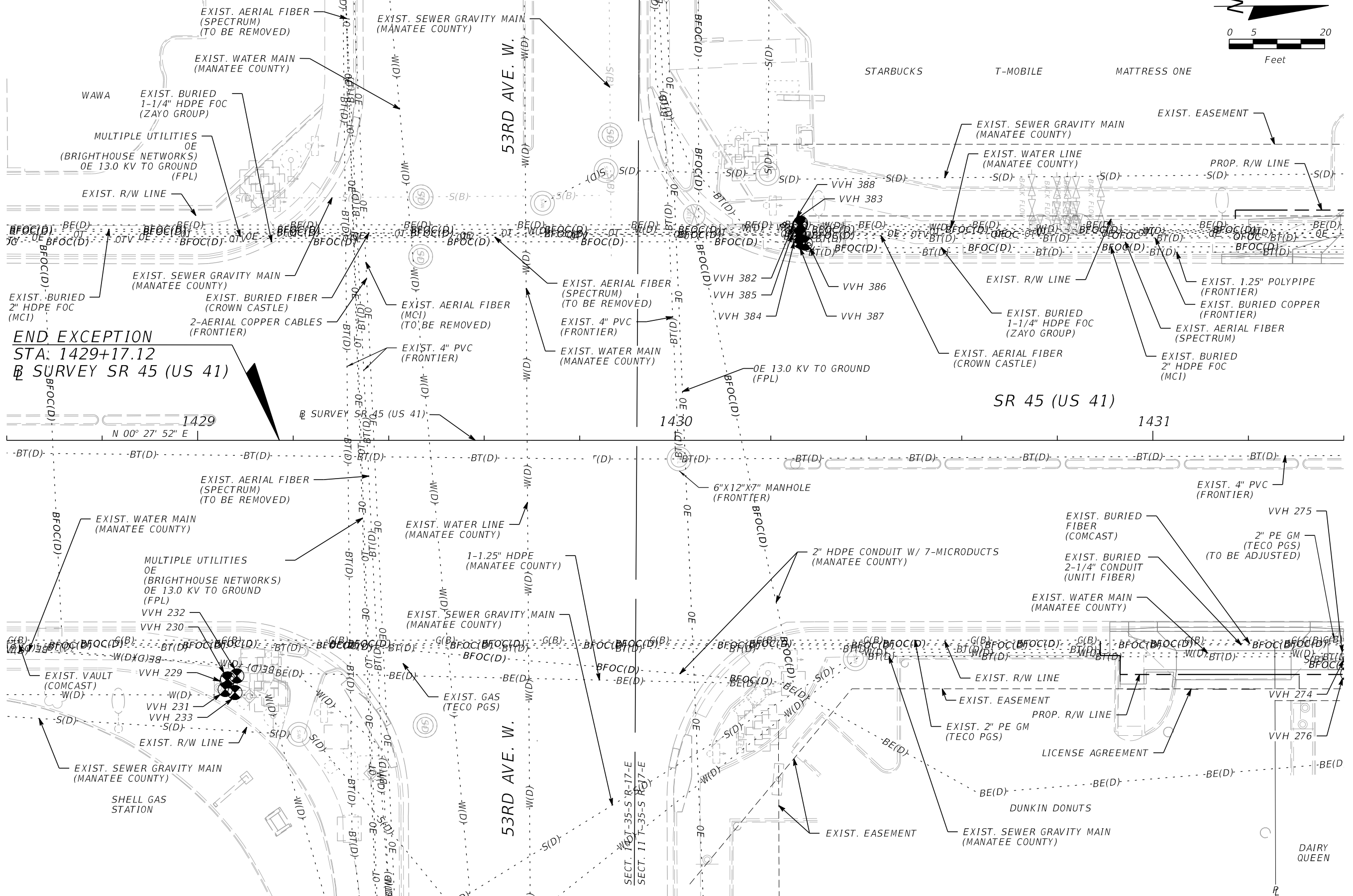
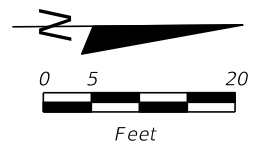
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**UTILITY ADJUSTMENTS (16)**

SHEET NO.  
 170

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**END EXCEPTION**  
**STA: 1429+17.12**  
**SR SURVEY SR 45 (US 41)**

**SR 45 (US 41)**

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

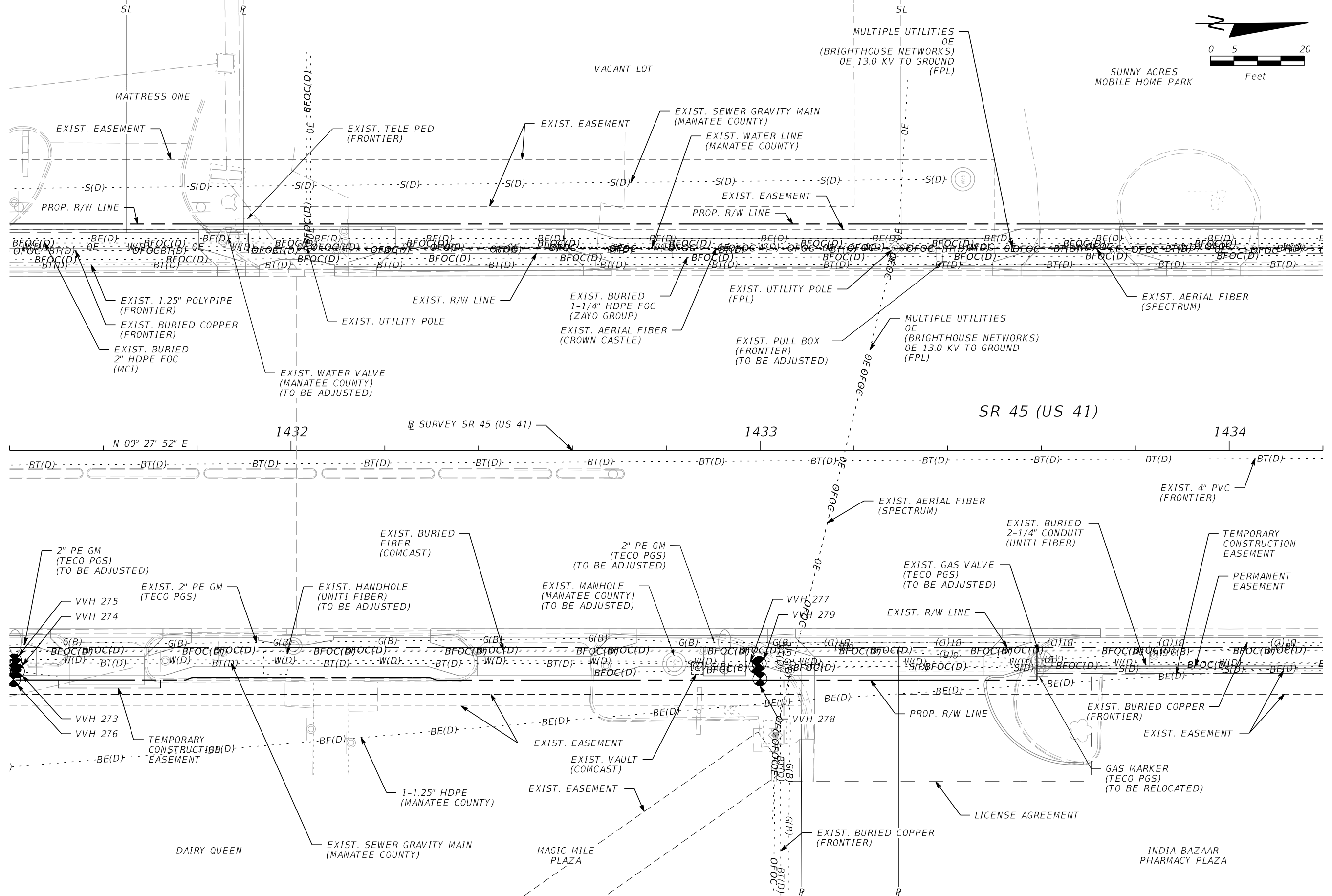
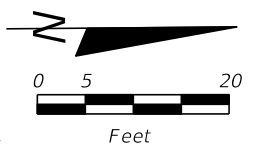
**JULIO C. DELGADO, P.E.**  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**UTILITY ADJUSTMENTS (17)**

SHEET NO. **171**

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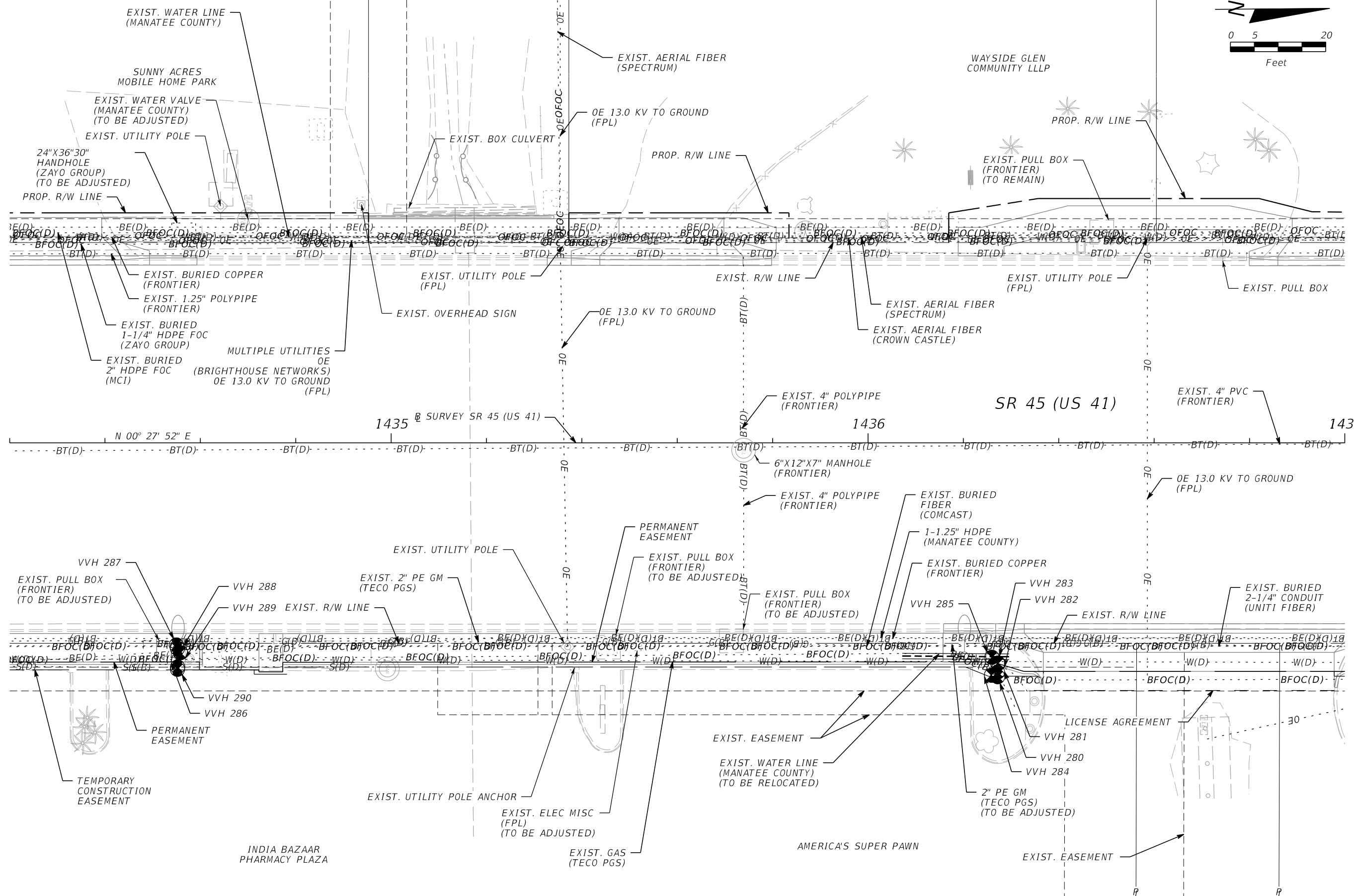
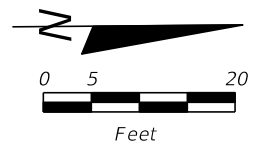
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (18)**

SHEET NO. 172

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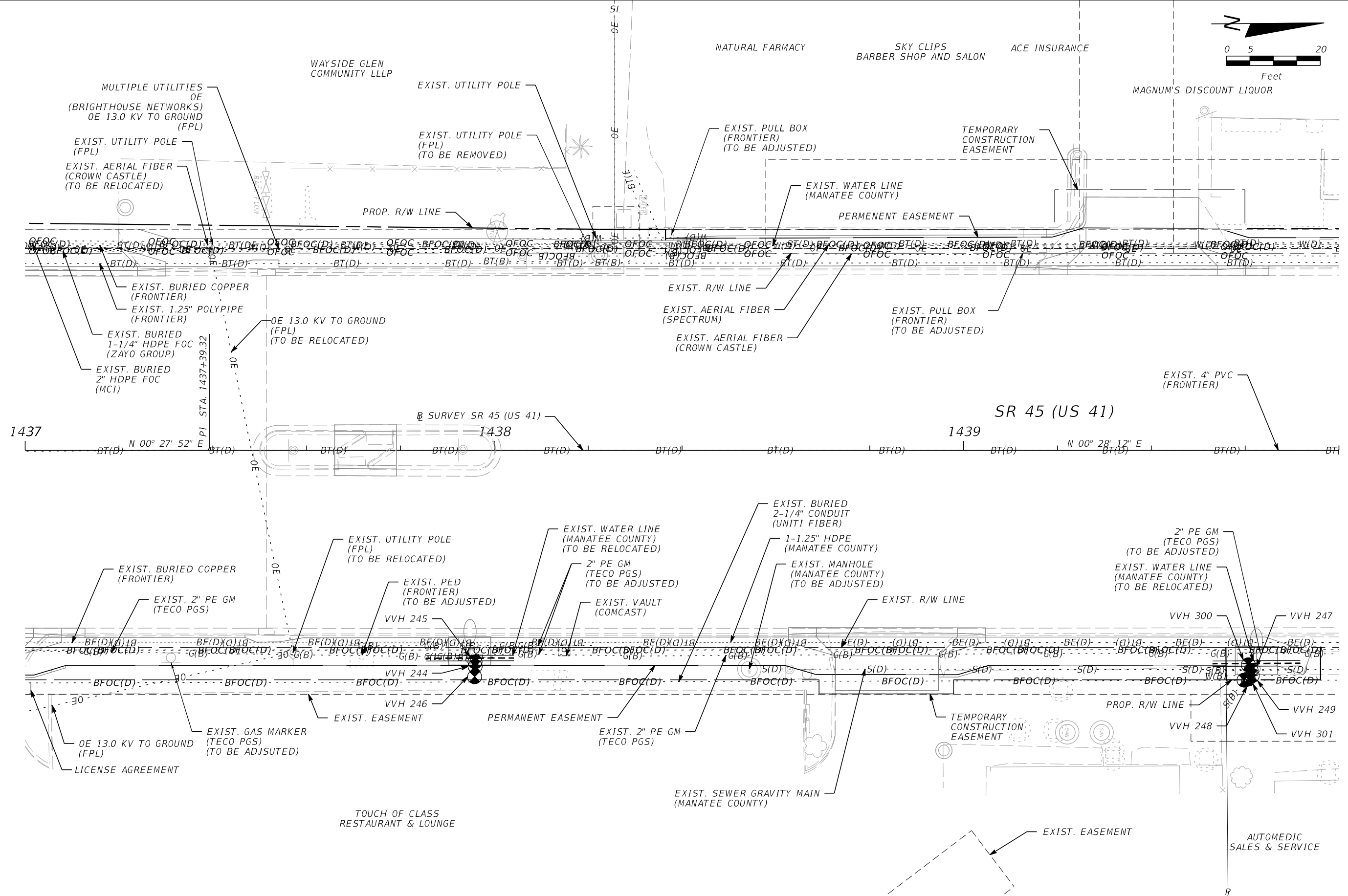
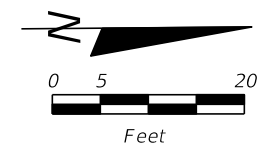
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (19)**

SHEET NO.  
173

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DATE	DESCRIPTION	DATE	DESCRIPTION

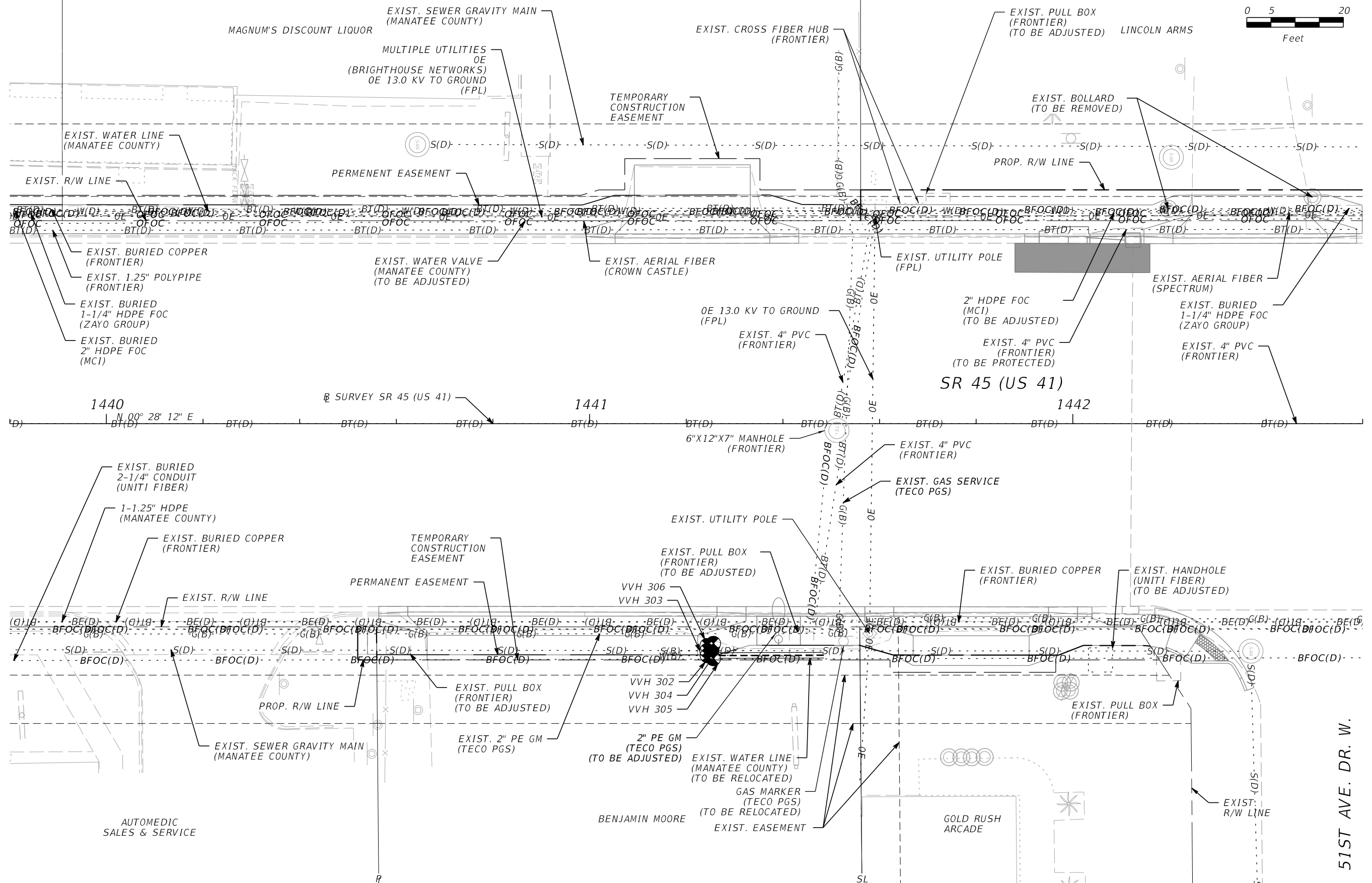
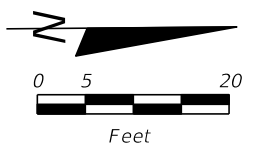
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**UTILITY ADJUSTMENTS (20)**

SHEET NO. 174

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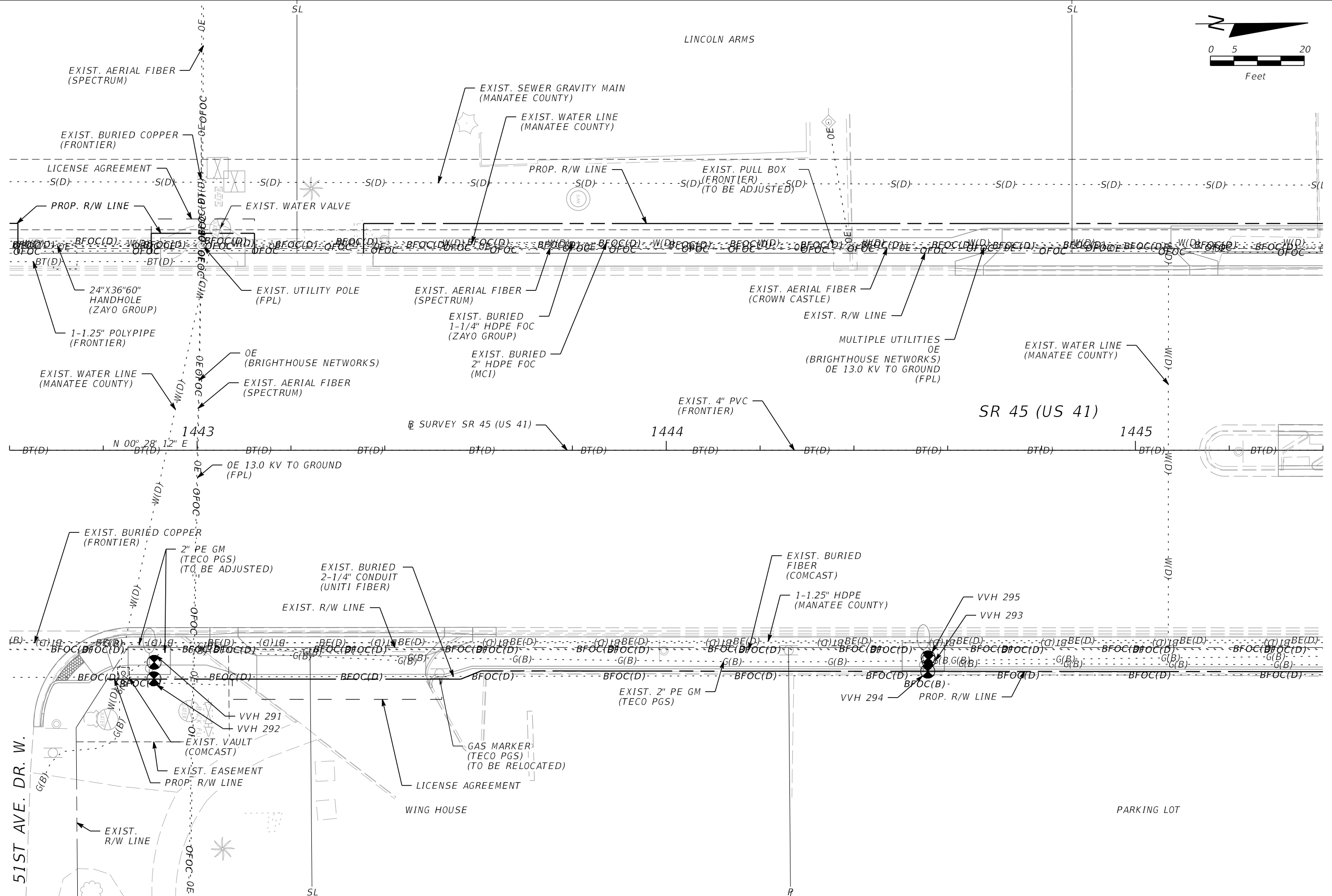
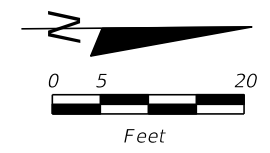
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (21)**

SHEET NO.
175

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51ST AVE. DR. W.

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

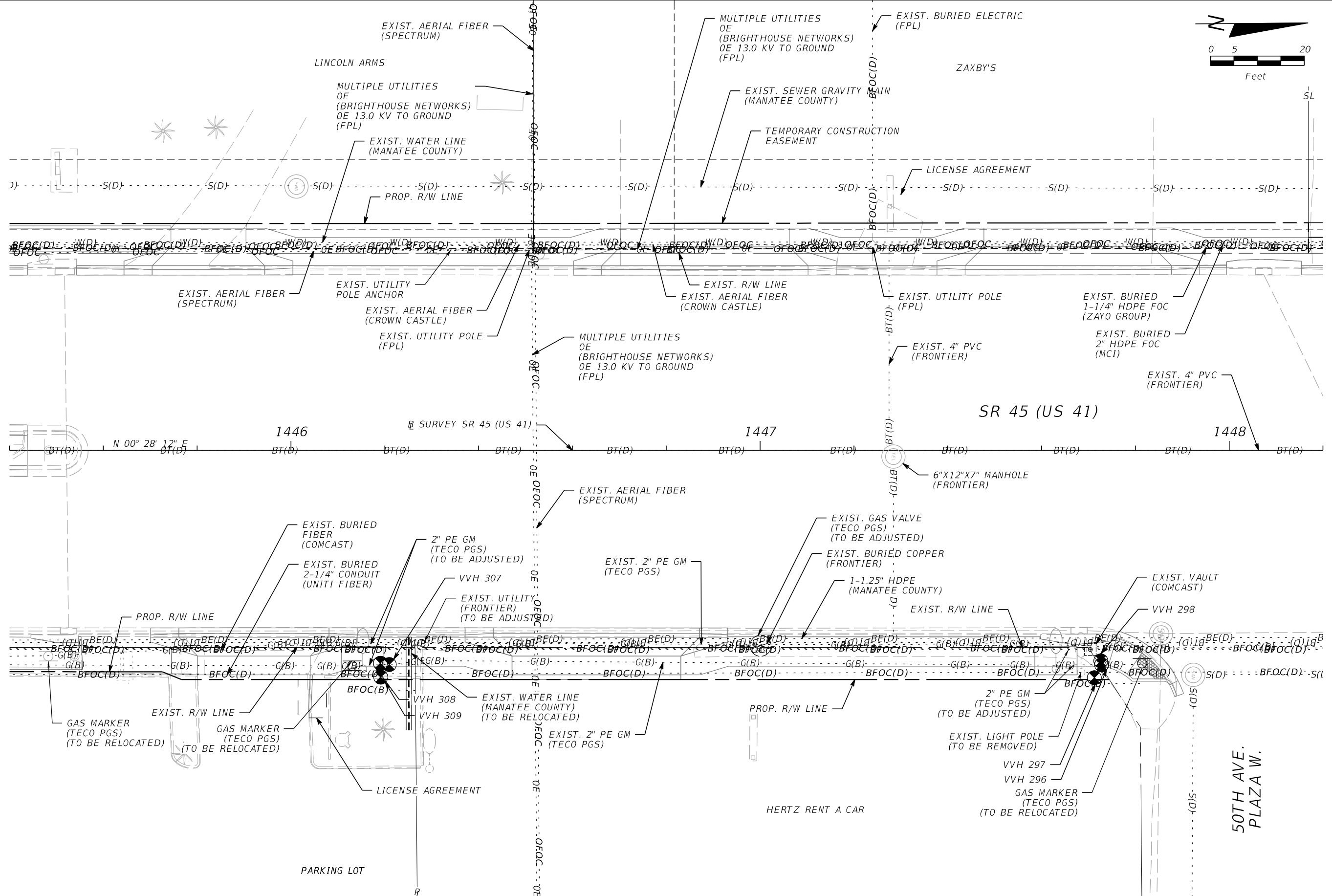
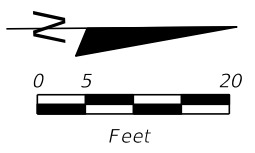
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (22)**

SHEET NO.  
176

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 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

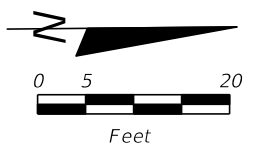
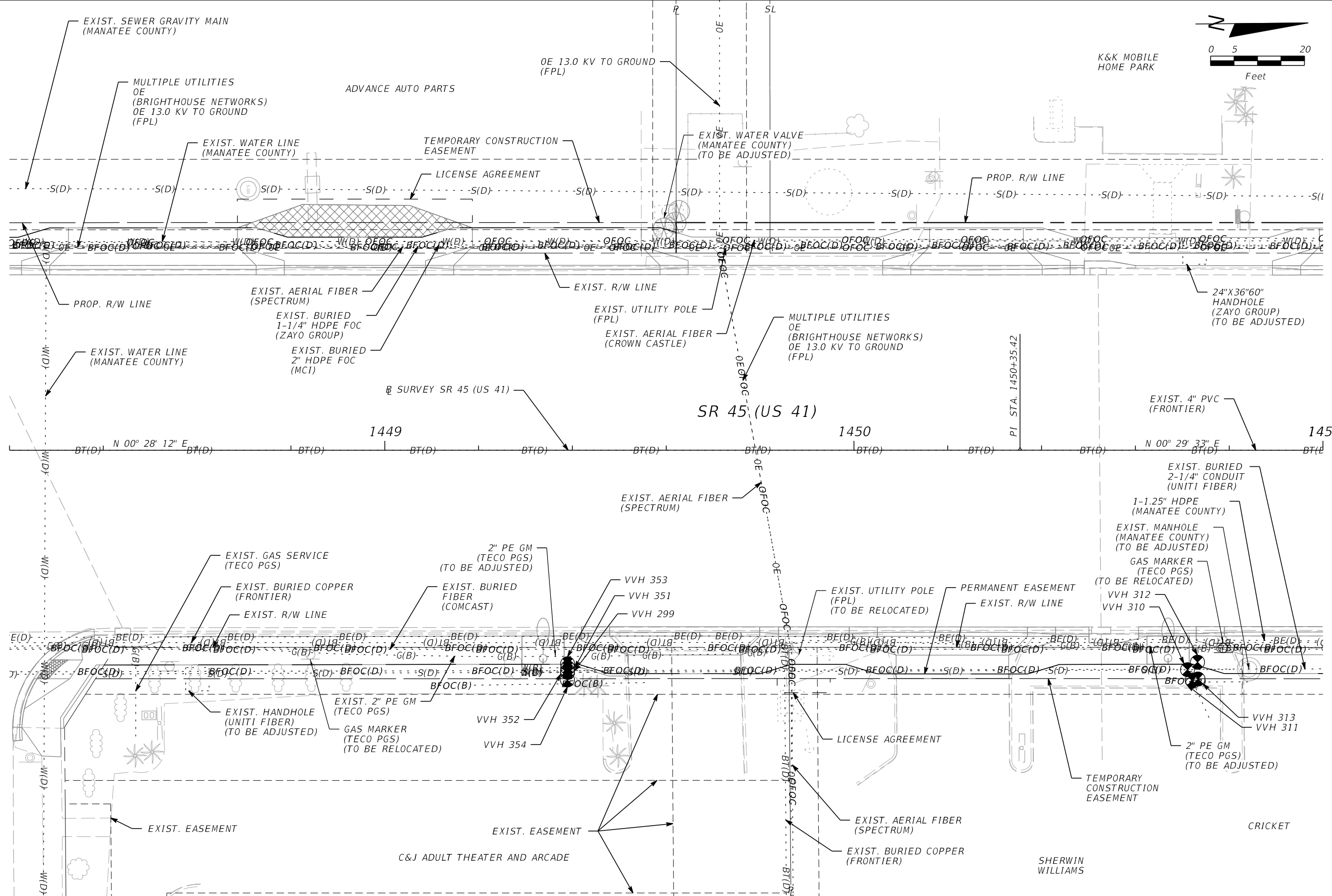
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (23)**

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177

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P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

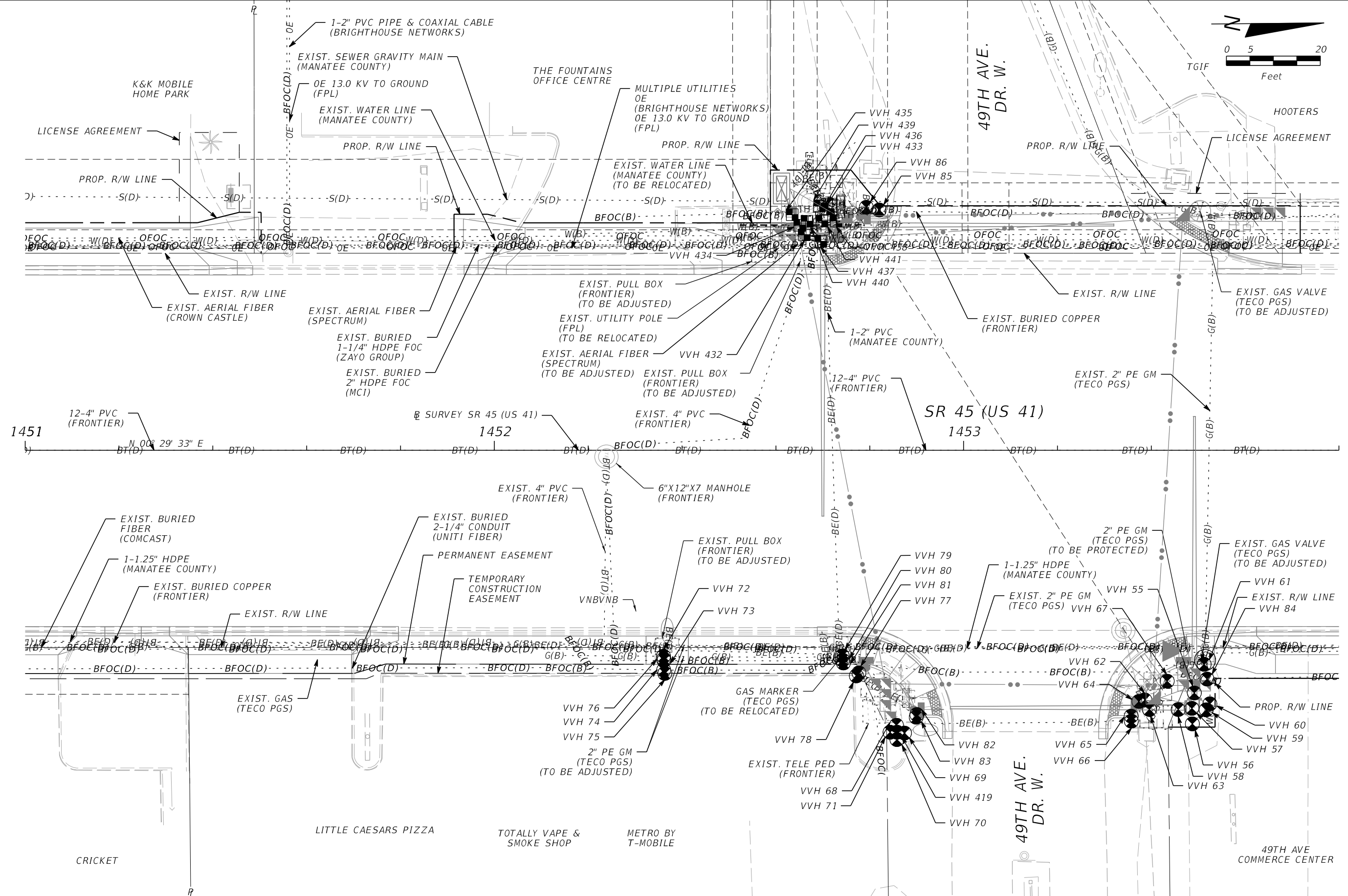
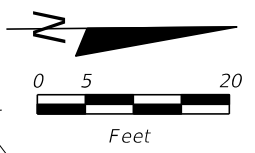
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (24)**

SHEET NO.  
178

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

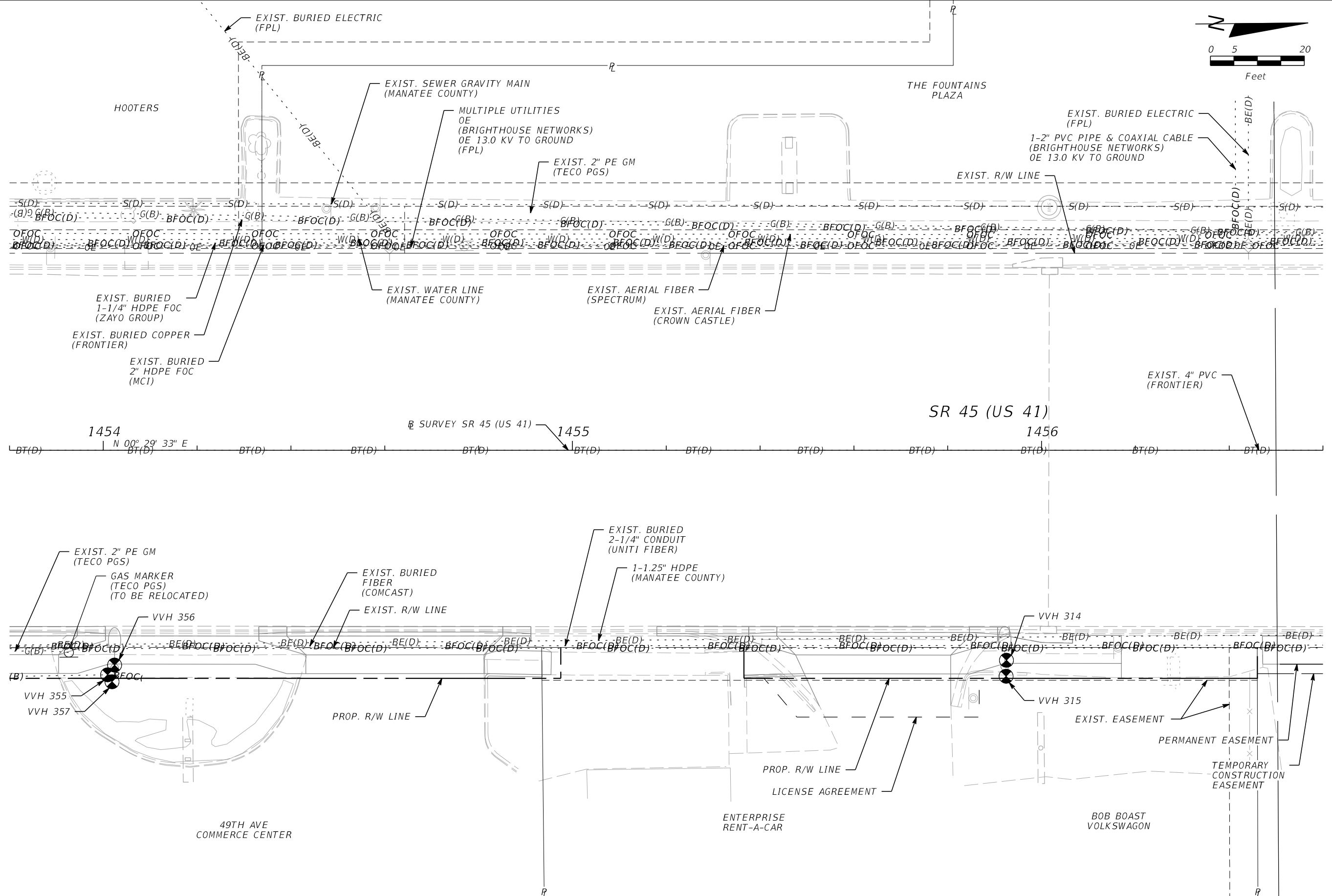
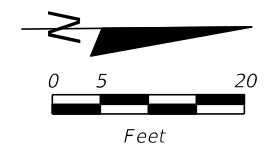
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (25)**

SHEET NO.  
179

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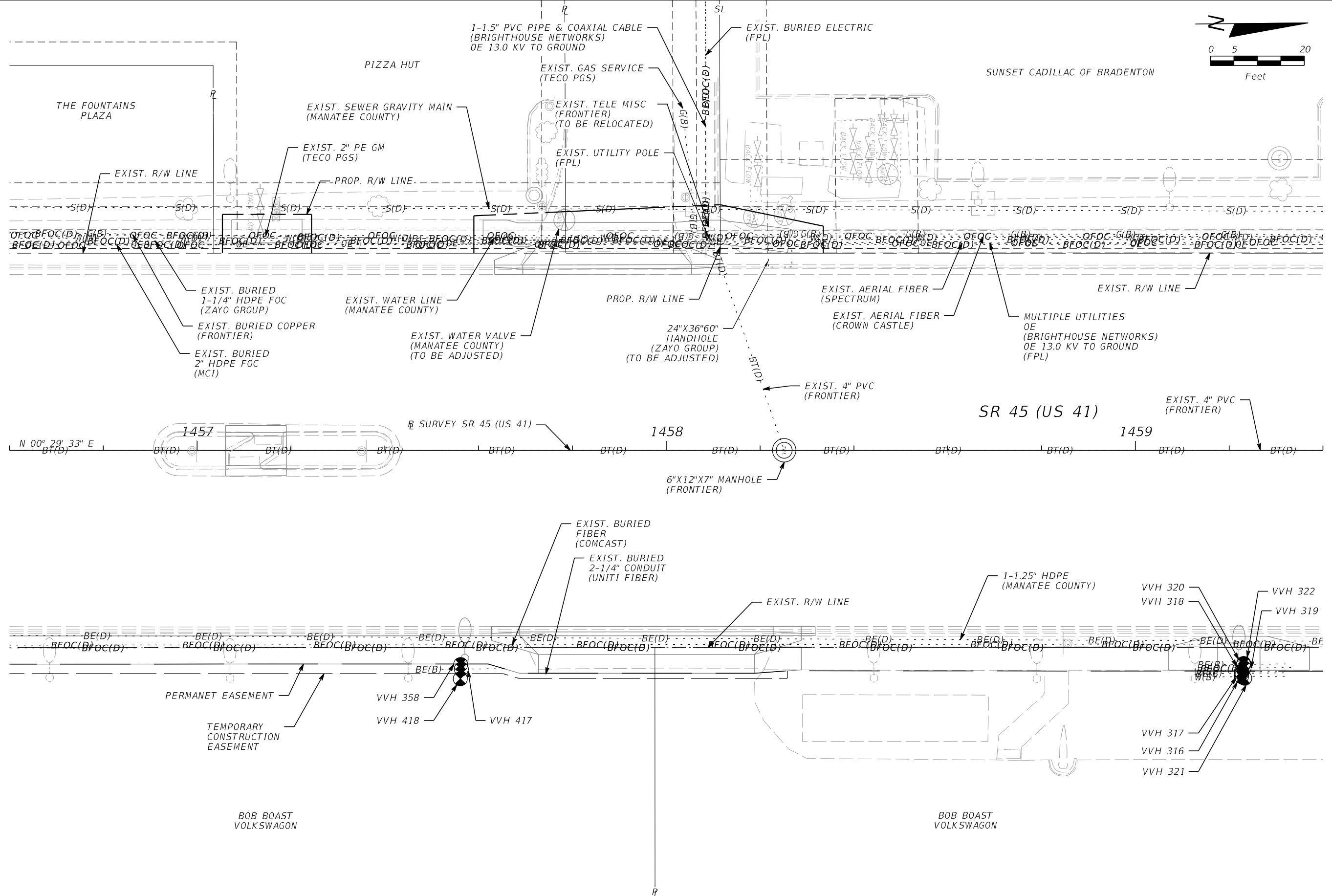
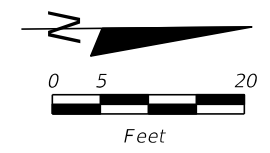
JULIO C. DELGADO, P.E.  
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 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (26)**

SHEET NO.  
180

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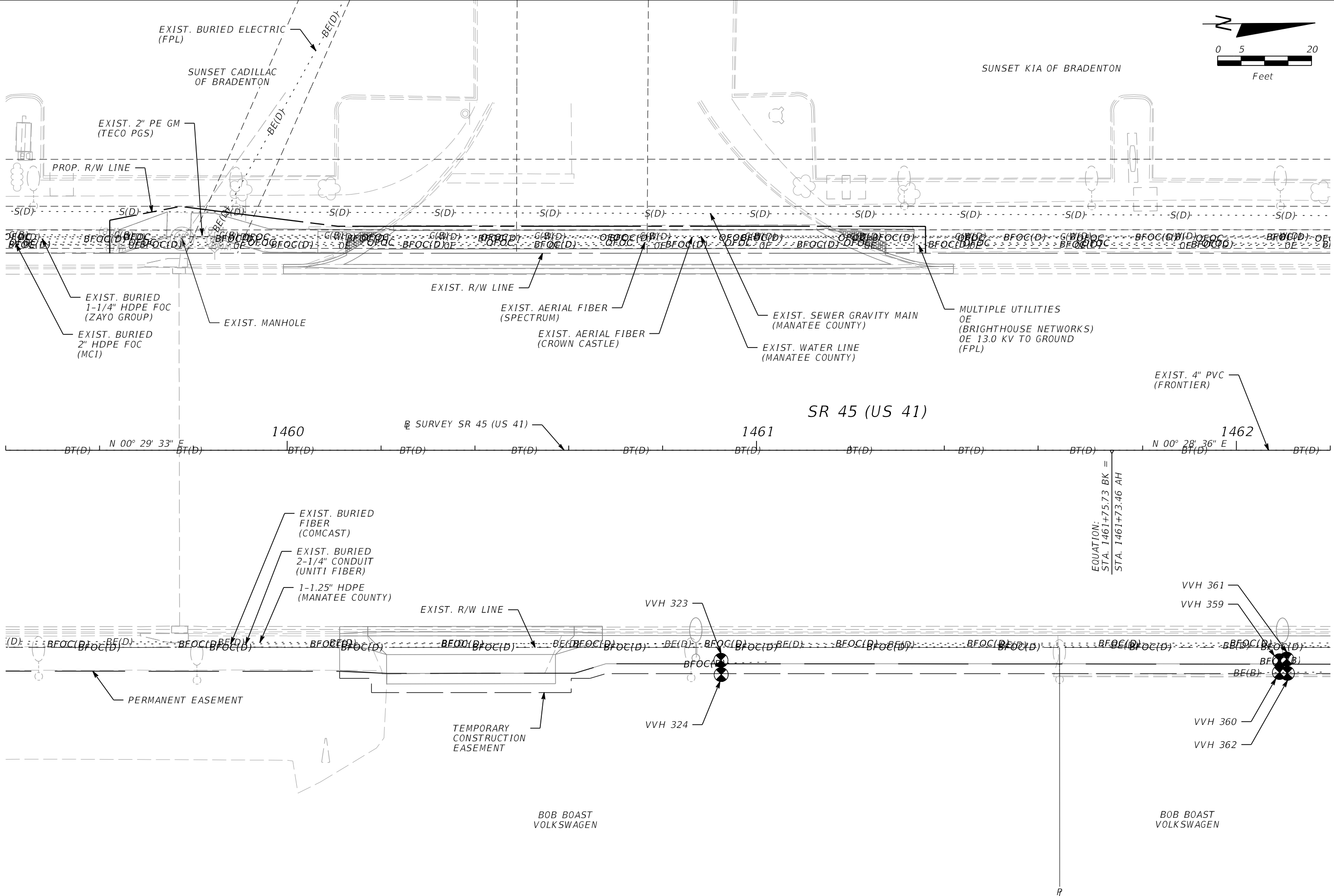
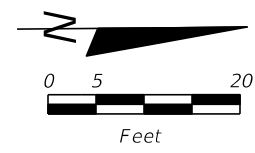
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (27)**

SHEET NO.  
181

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DATE	DESCRIPTION	DATE	DESCRIPTION

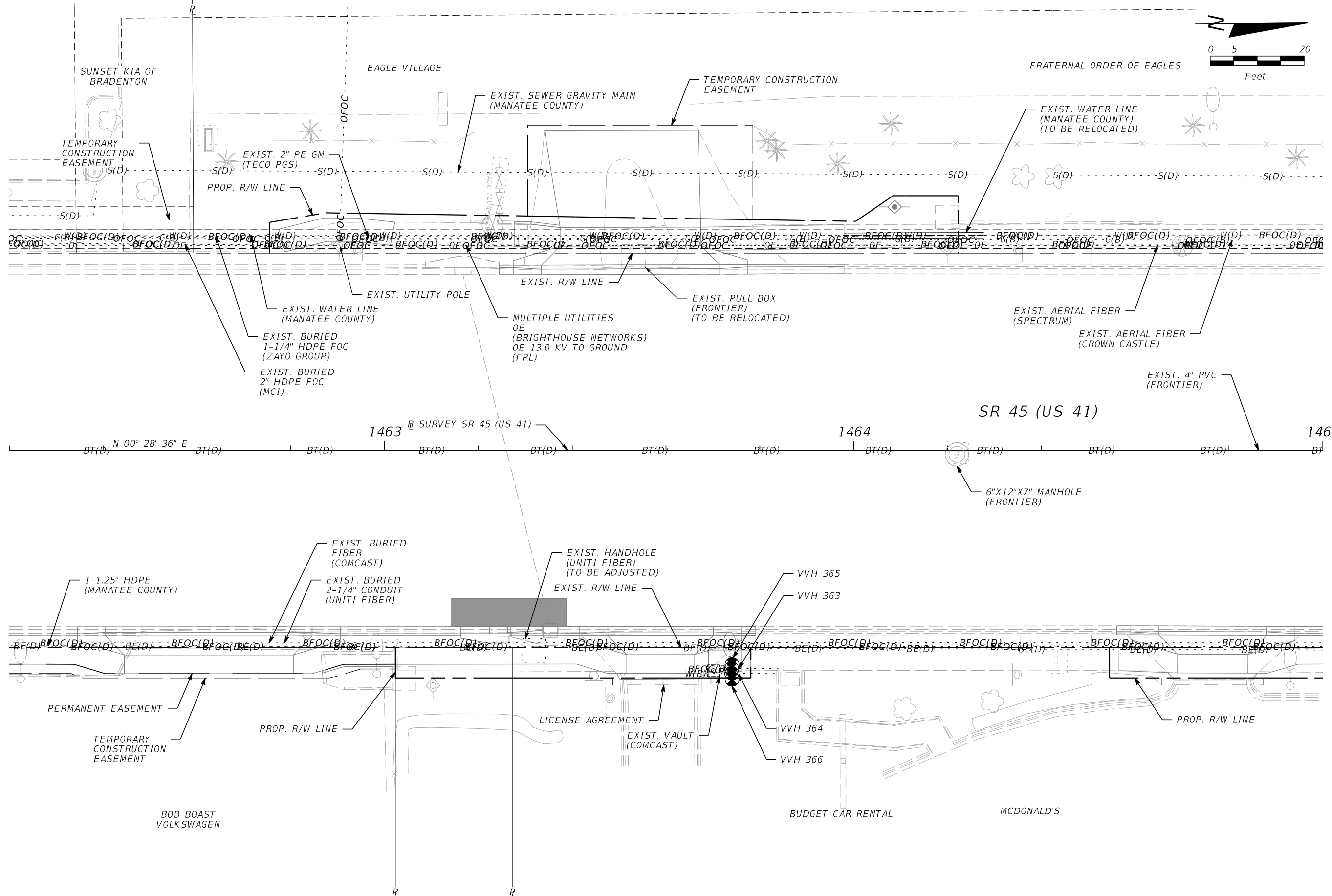
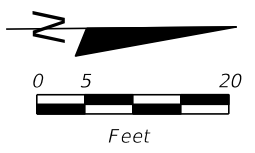
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (28)**

SHEET NO.  
182

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DATE	DESCRIPTION	DATE	DESCRIPTION

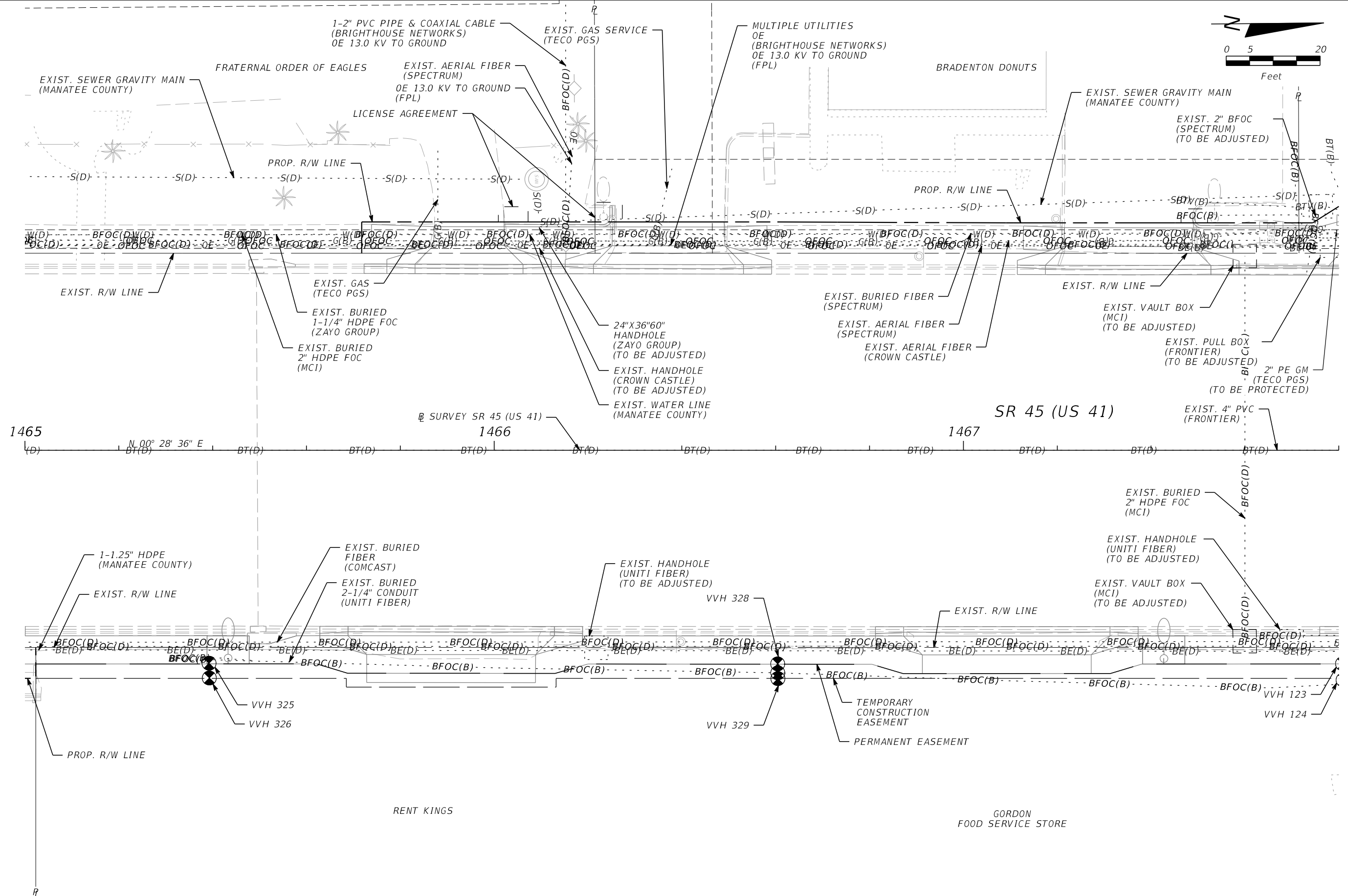
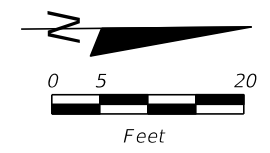
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**UTILITY ADJUSTMENTS (29)**

SHEET NO.  
**183**

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DATE	DESCRIPTION	DATE	DESCRIPTION

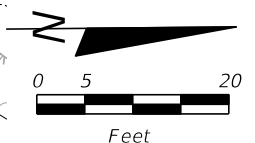
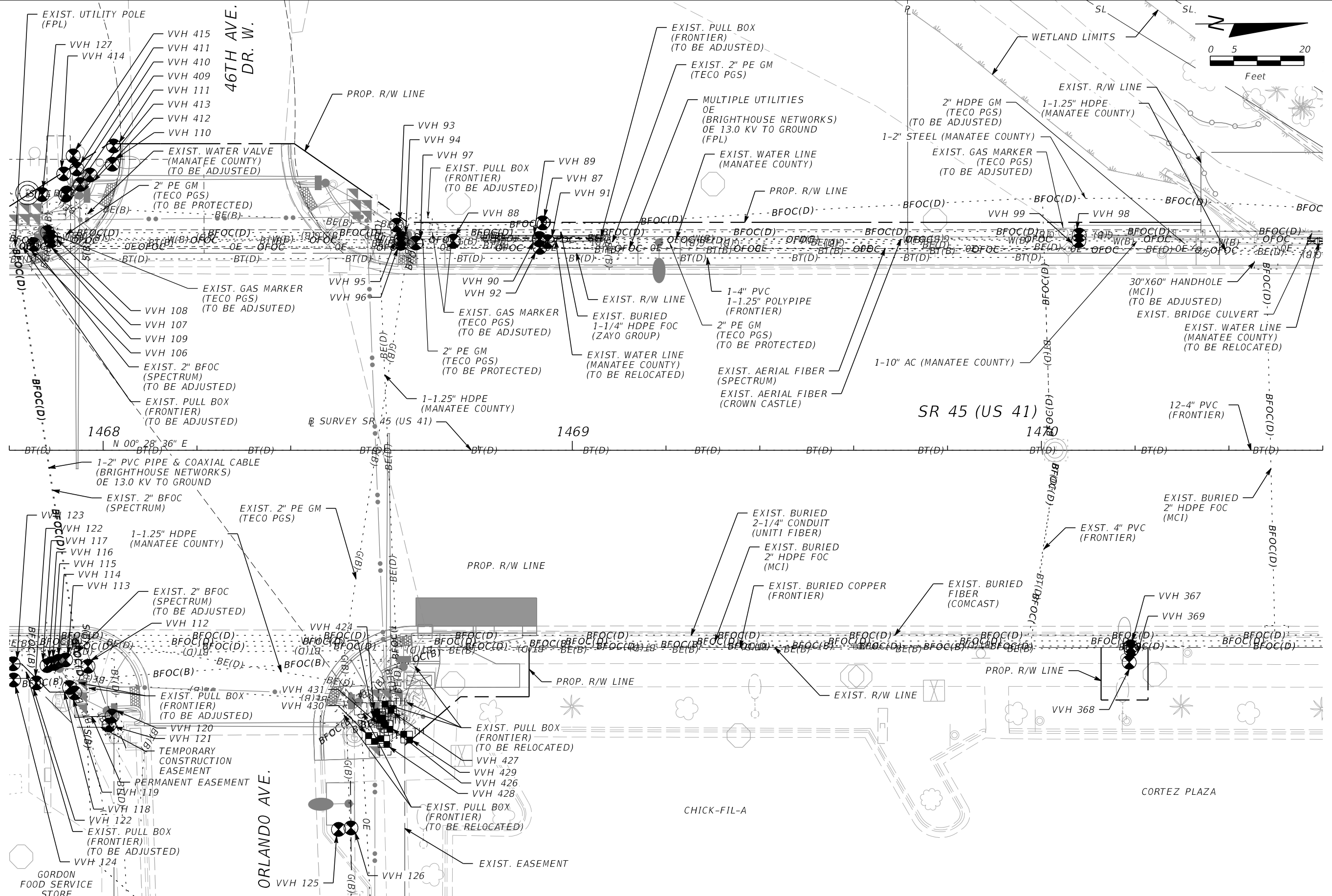
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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**UTILITY ADJUSTMENTS (30)**

SHEET NO.  
184

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DATE	DESCRIPTION	DATE	DESCRIPTION

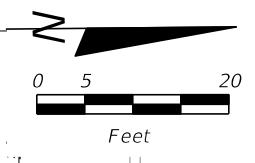
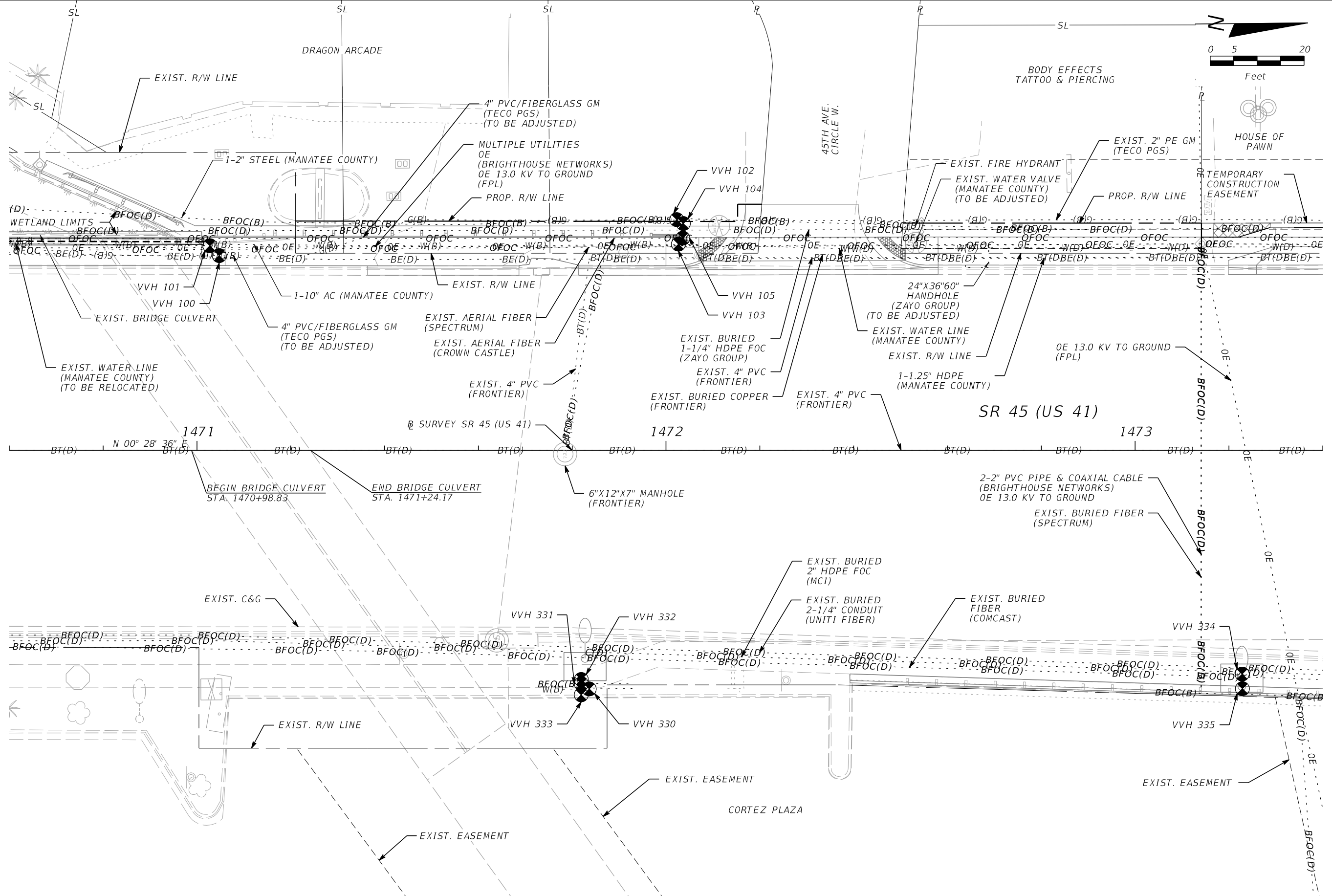
JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
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**UTILITY ADJUSTMENTS (31)**

SHEET NO. 185

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P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

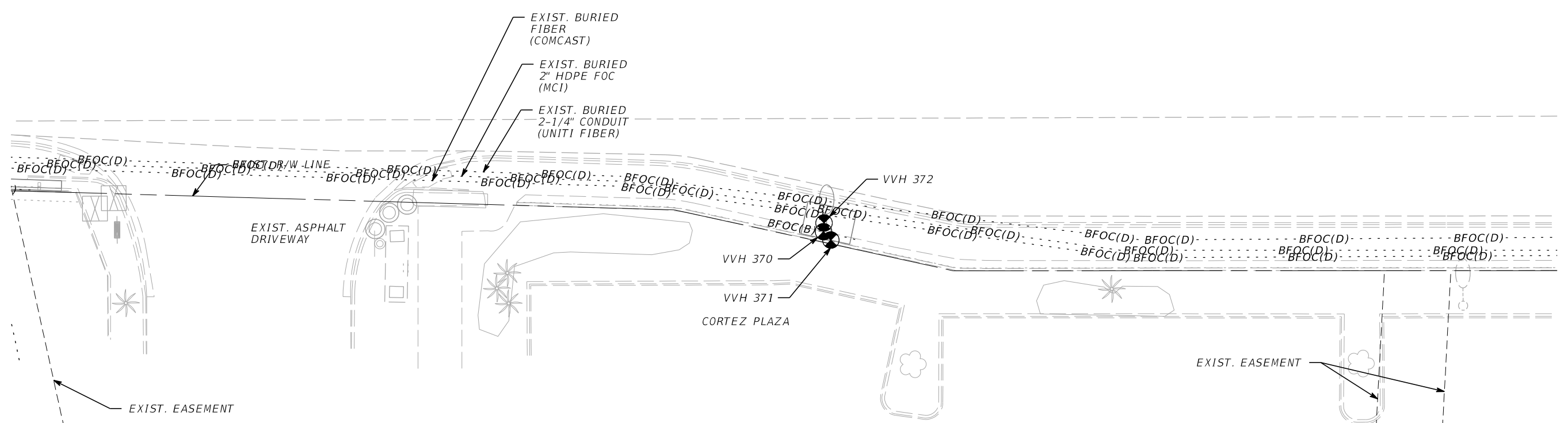
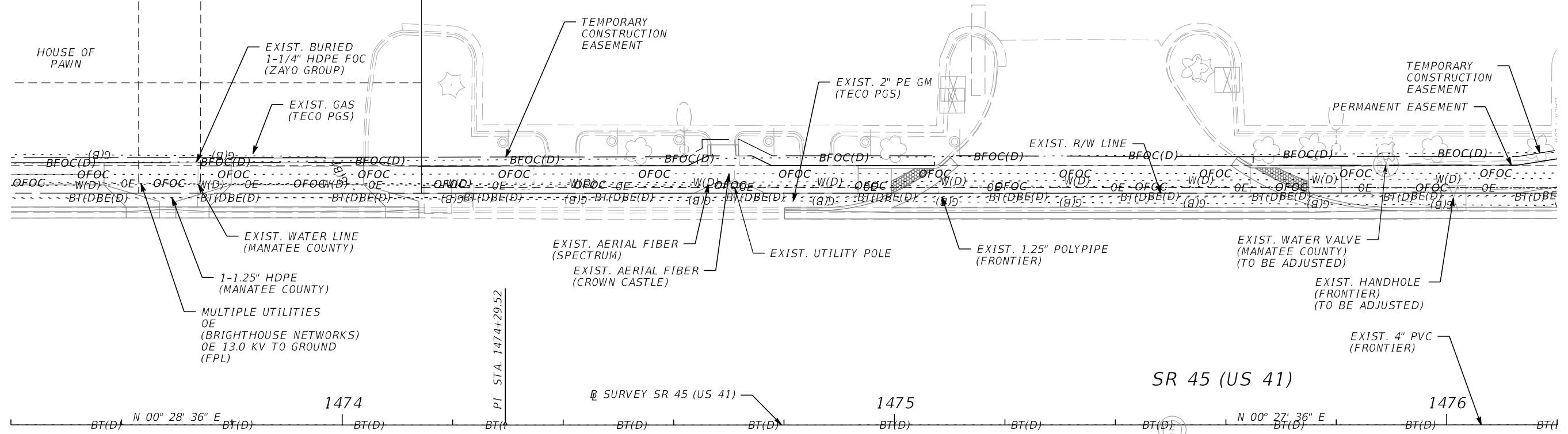
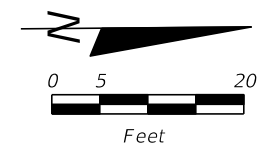
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (32)**

SHEET NO.  
186

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

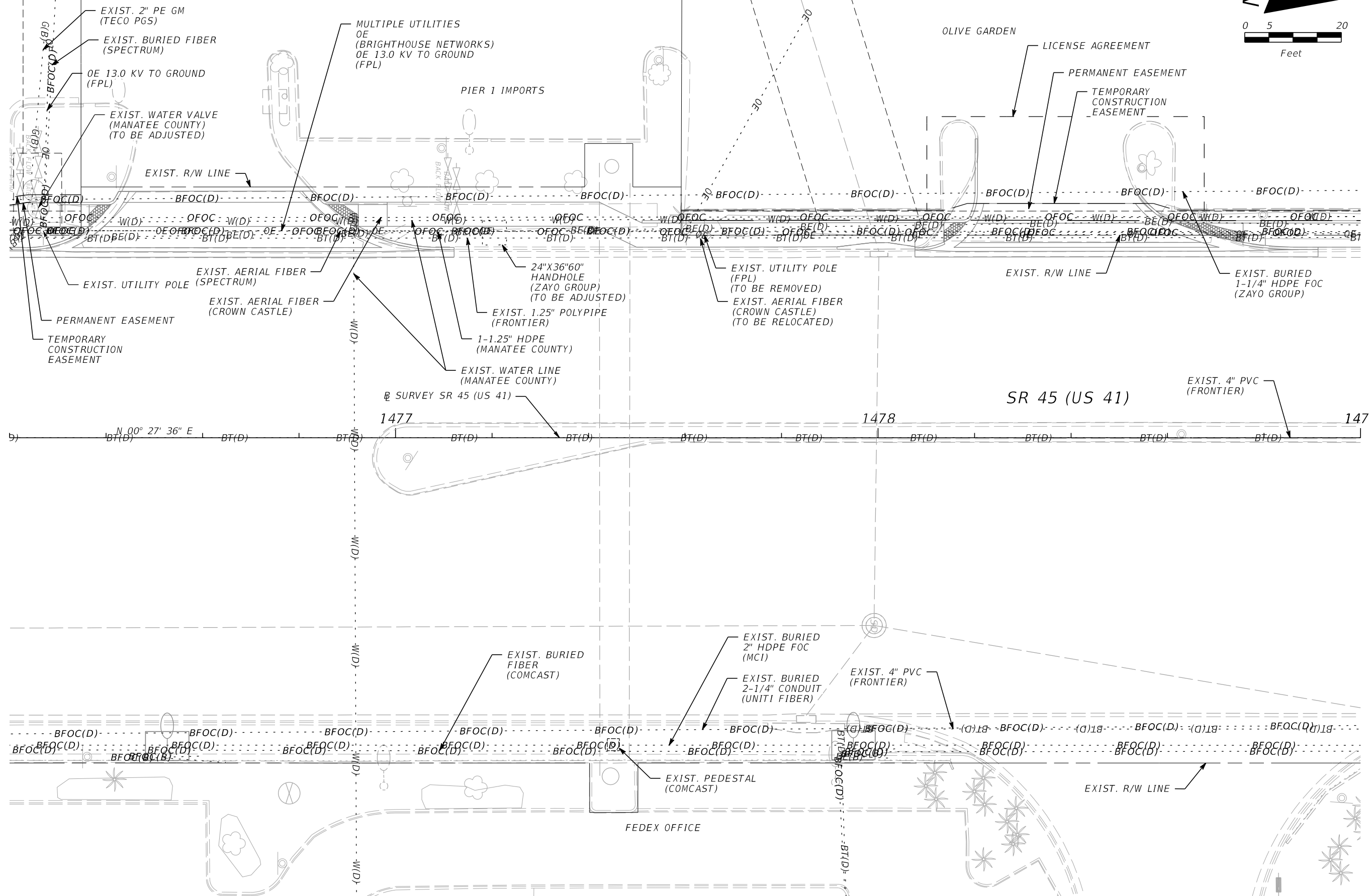
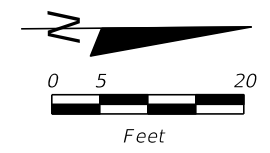




REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  187
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

**UTILITY ADJUSTMENTS (33)**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

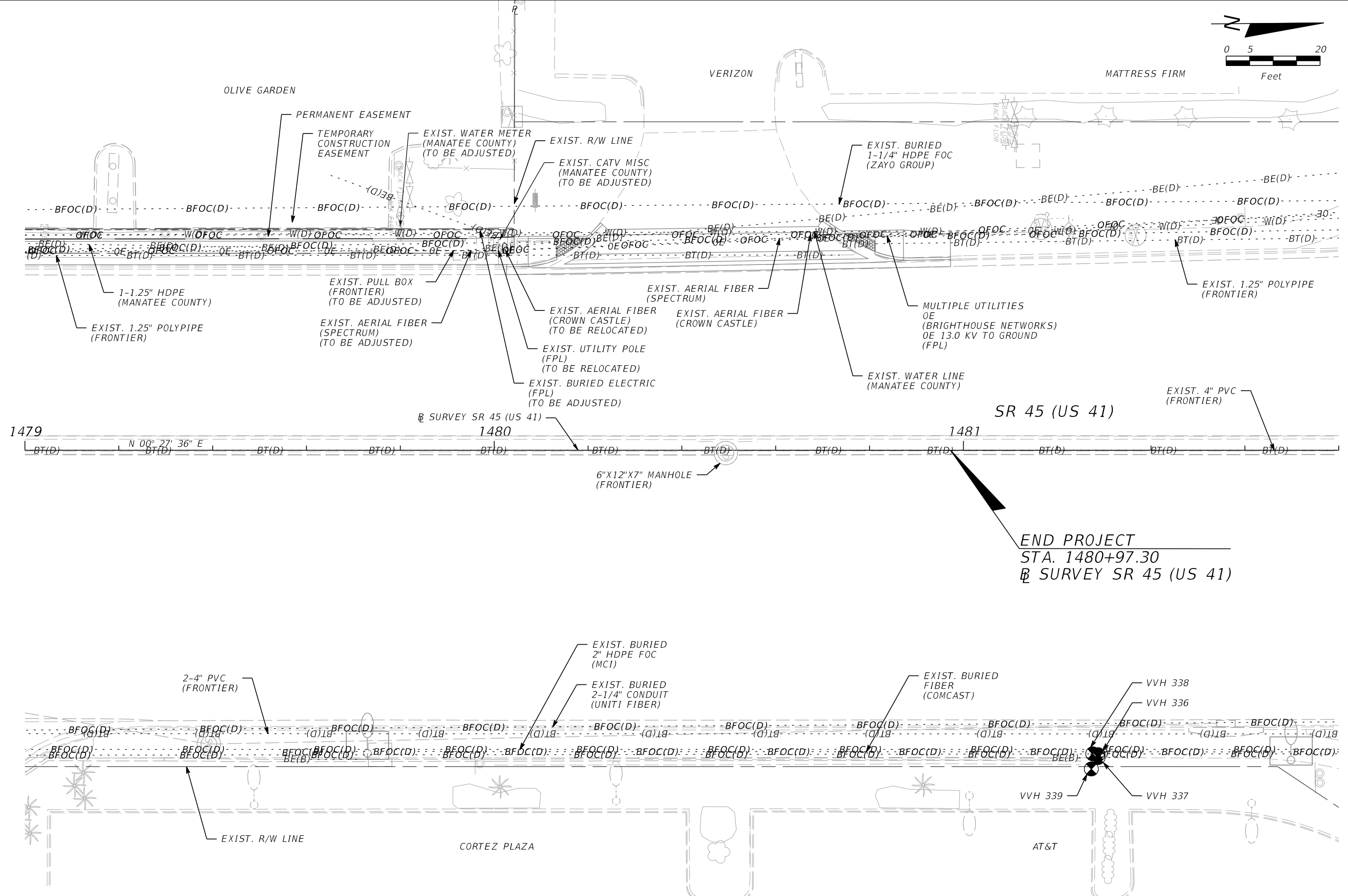
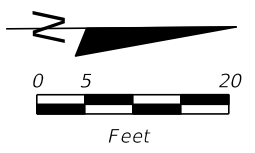
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (34)**

SHEET NO.  
188

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



**END PROJECT**  
 STA. 1480+97.30  
 @ SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

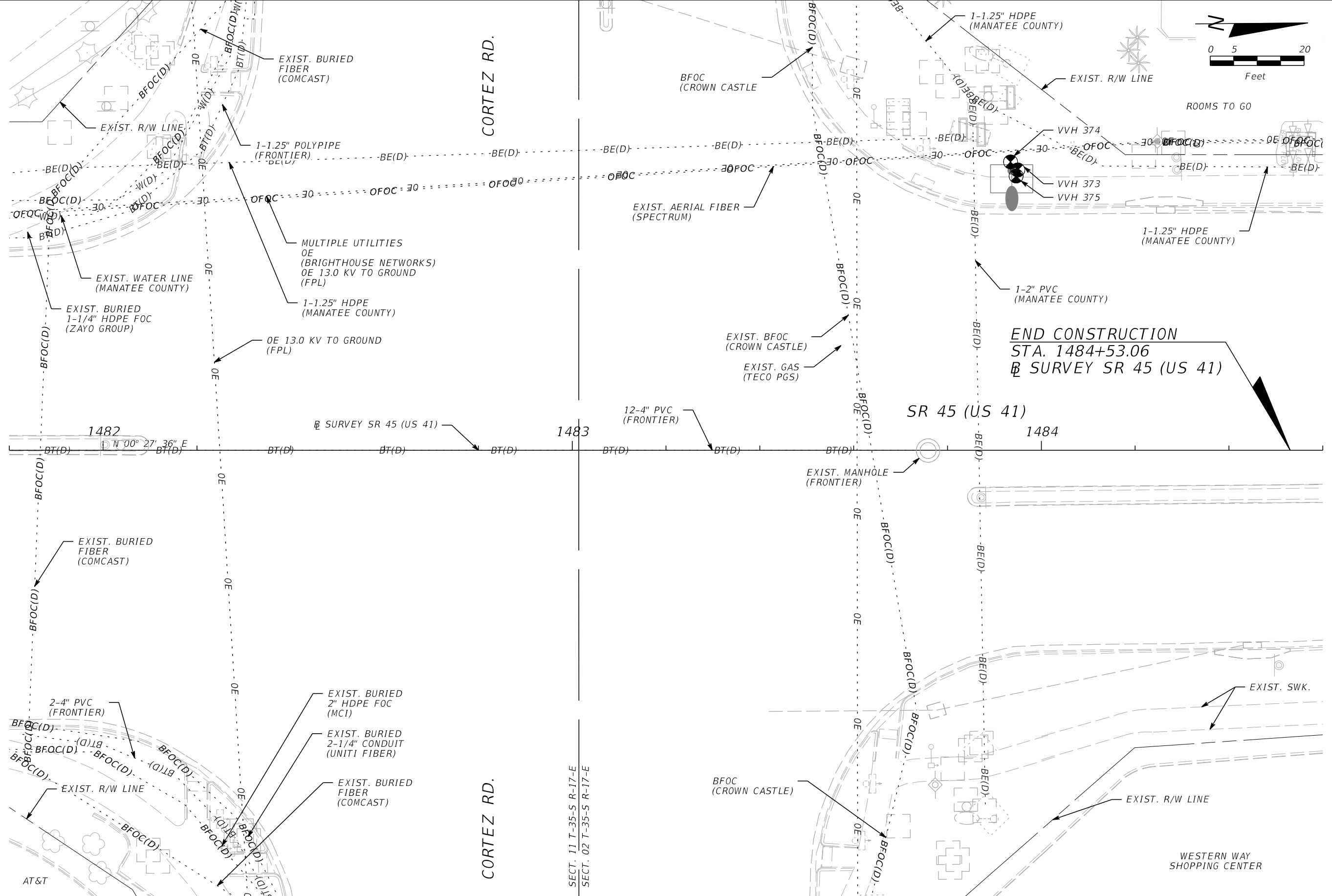
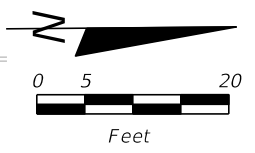
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (35)**

SHEET NO.  
 189

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**END CONSTRUCTION**  
 STA. 1484+53.06  
 @ SURVEY SR 45 (US 41)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

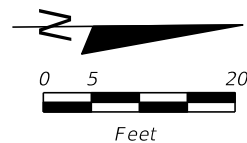
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**UTILITY ADJUSTMENTS (36)**

SHEET NO.  
 190

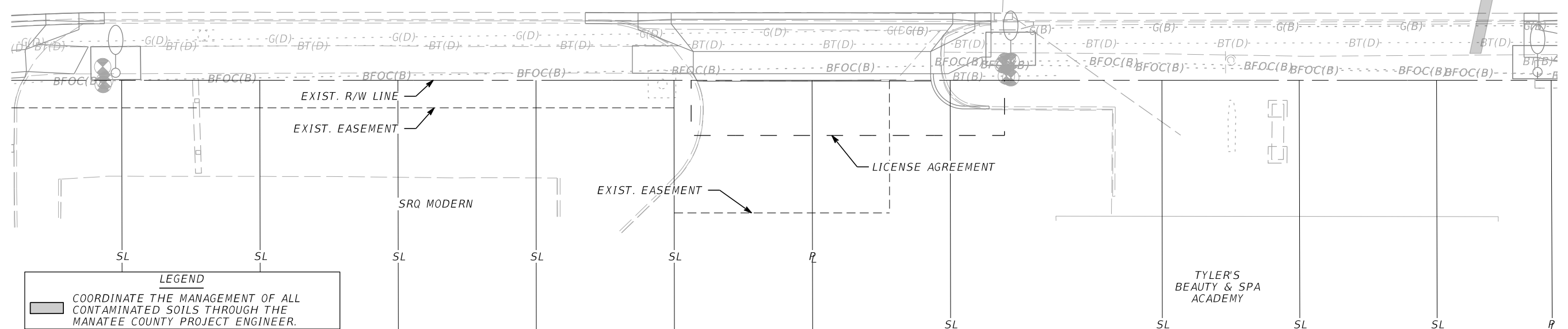
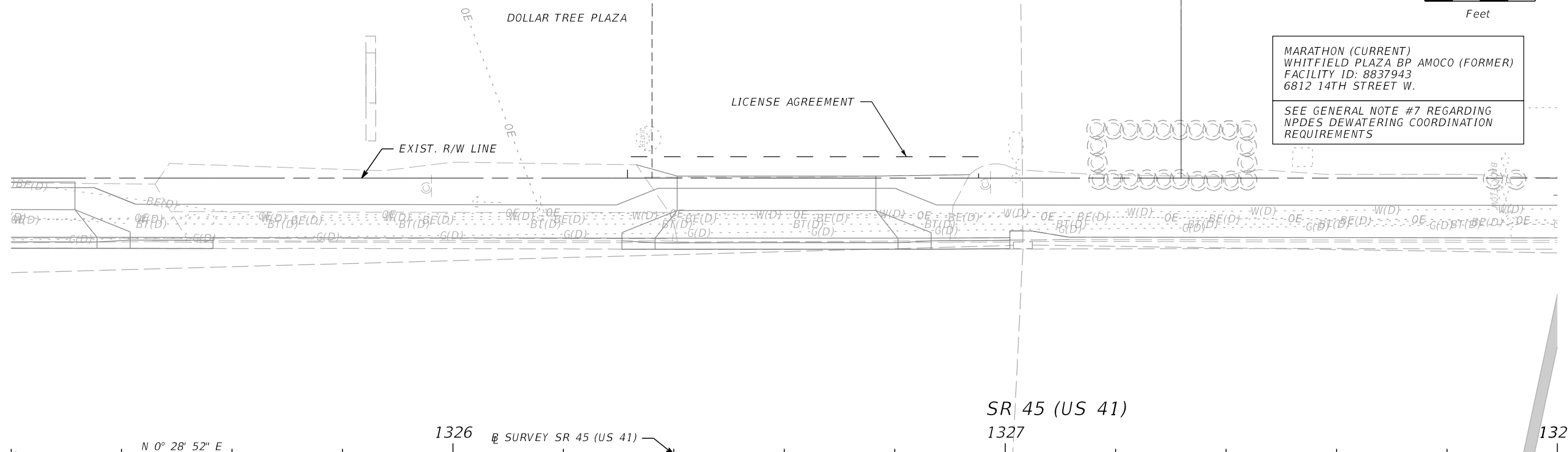
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

MARATHON  
GAS STATION



MARATHON (CURRENT)  
WHITFIELD PLAZA BP AMOCO (FORMER)  
FACILITY ID: 8837943  
6812 14TH STREET W.

SEE GENERAL NOTE #7 REGARDING  
NPDES DEWATERING COORDINATION  
REQUIREMENTS



**LEGEND**  
 COORDINATE THE MANAGEMENT OF ALL CONTAMINATED SOILS THROUGH THE MANATEE COUNTY PROJECT ENGINEER.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CONTAMINATION PLANS (01)**

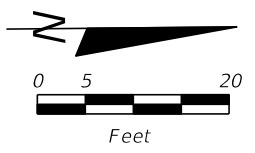
SHEET NO.  
191

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

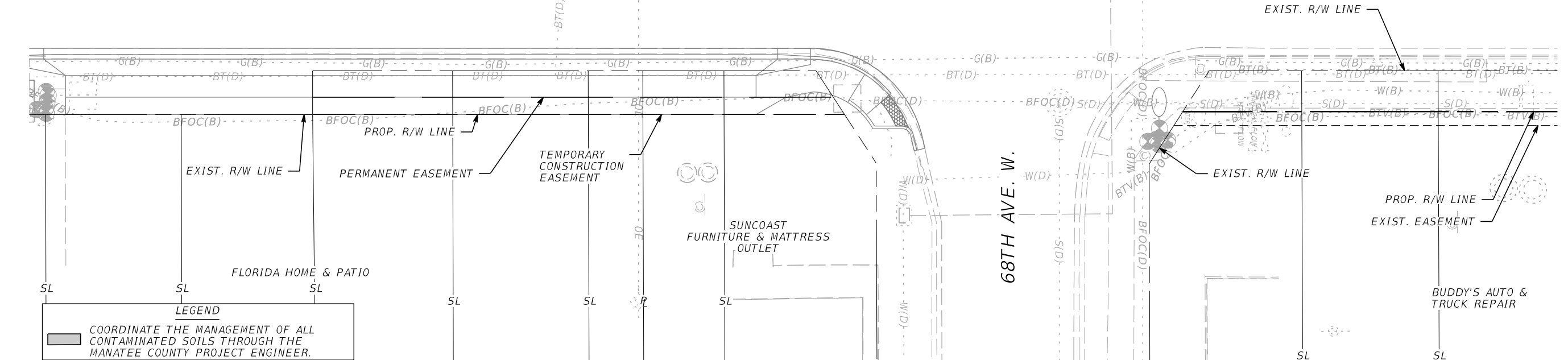
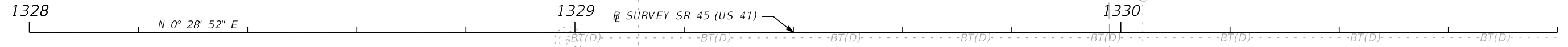
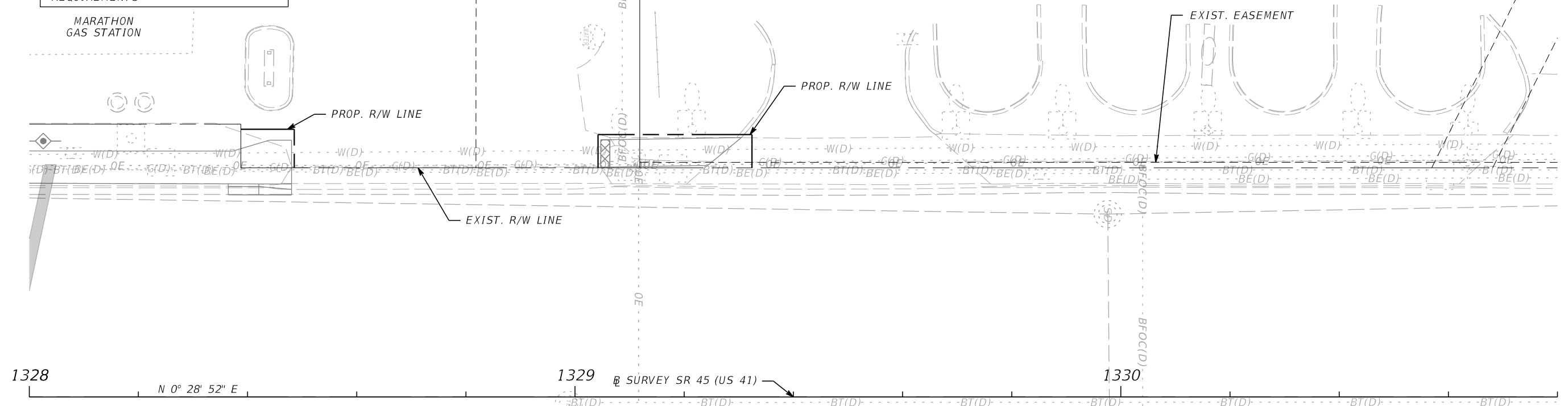
MARATHON (CURRENT)  
 WHITFIELD PLAZA BP AMOCO (FORMER)  
 FACILITY ID: 8837943  
 6812 14TH STREET W.

SEE GENERAL NOTE #7 REGARDING  
 NPDES DEWATERING COORDINATION  
 REQUIREMENTS

MARATHON  
 GAS STATION



LINCOLN CAR  
 DEALERSHIP



**LEGEND**  
 COORDINATE THE MANAGEMENT OF ALL  
 CONTAMINATED SOILS THROUGH THE  
 MANATEE COUNTY PROJECT ENGINEER.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

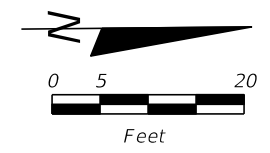
JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CONTAMINATION PLANS (02)**

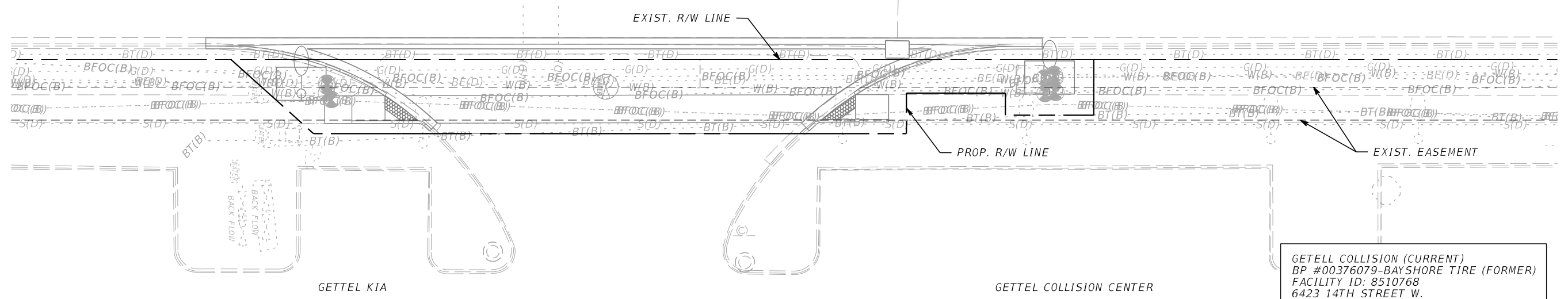
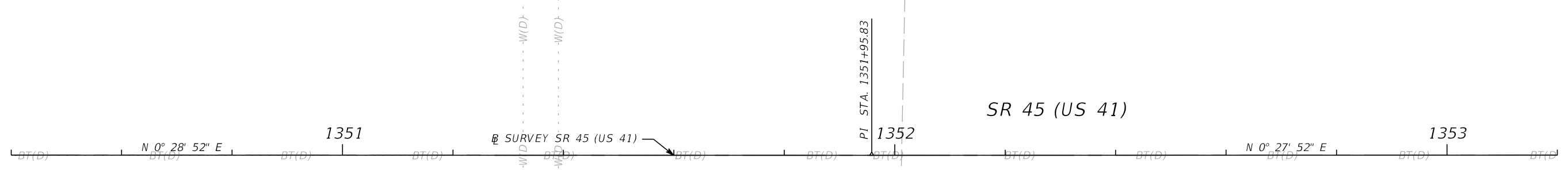
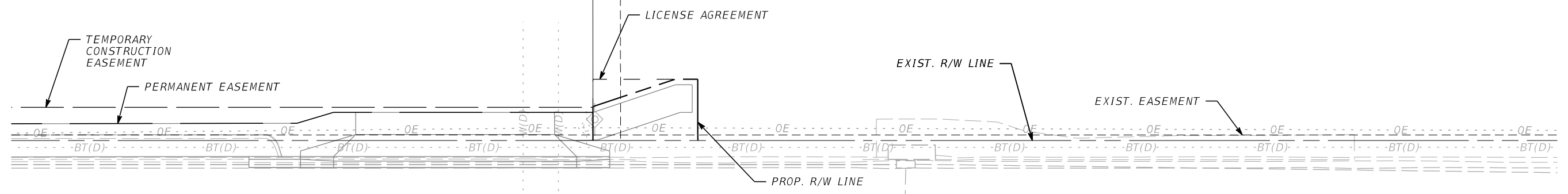
SHEET  
 NO.  
 192

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RICE'S APPLIANCE & TV

ADVANCE SELF STORAGE

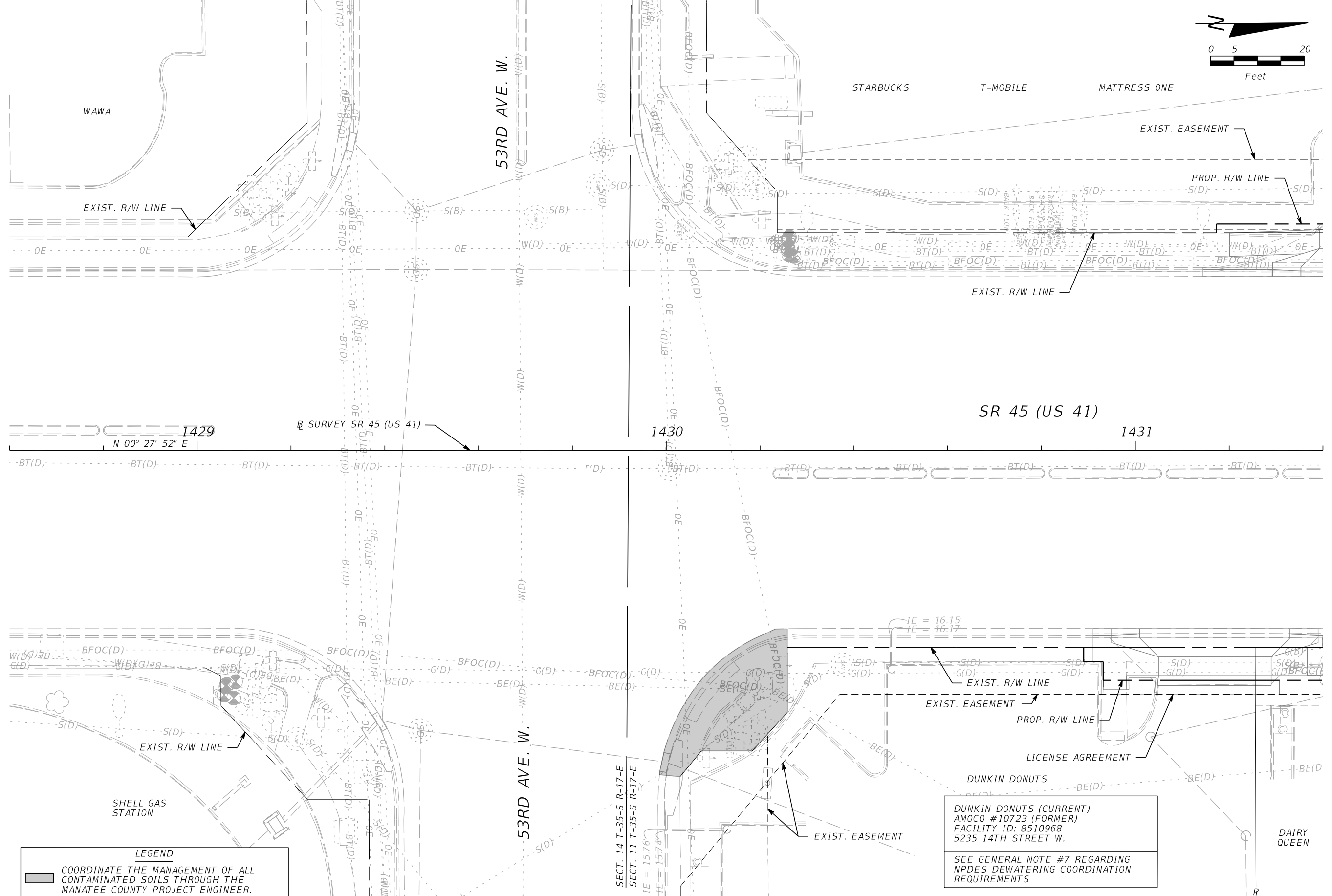
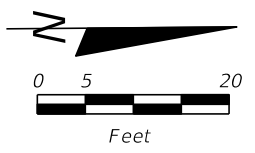


GETTEL COLLISION (CURRENT)  
 BP #00376079-BAYSHORE TIRE (FORMER)  
 FACILITY ID: 8510768  
 6423 14TH STREET W.

SEE GENERAL NOTE #7 REGARDING  
 NPDES DEWATERING COORDINATION  
 REQUIREMENTS

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			<b>CONTAMINATION PLANS (03)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		193

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



**LEGEND**  
 COORDINATE THE MANAGEMENT OF ALL CONTAMINATED SOILS THROUGH THE MANATEE COUNTY PROJECT ENGINEER.

IE = 16.15'  
 IE = 16.17'

IE = 15.76'  
 IE = 15.77'

DUNKIN DONUTS (CURRENT)  
 AMOCO #10723 (FORMER)  
 FACILITY ID: 8510968  
 5235 14TH STREET W.

SEE GENERAL NOTE #7 REGARDING NPDES DEWATERING COORDINATION REQUIREMENTS

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

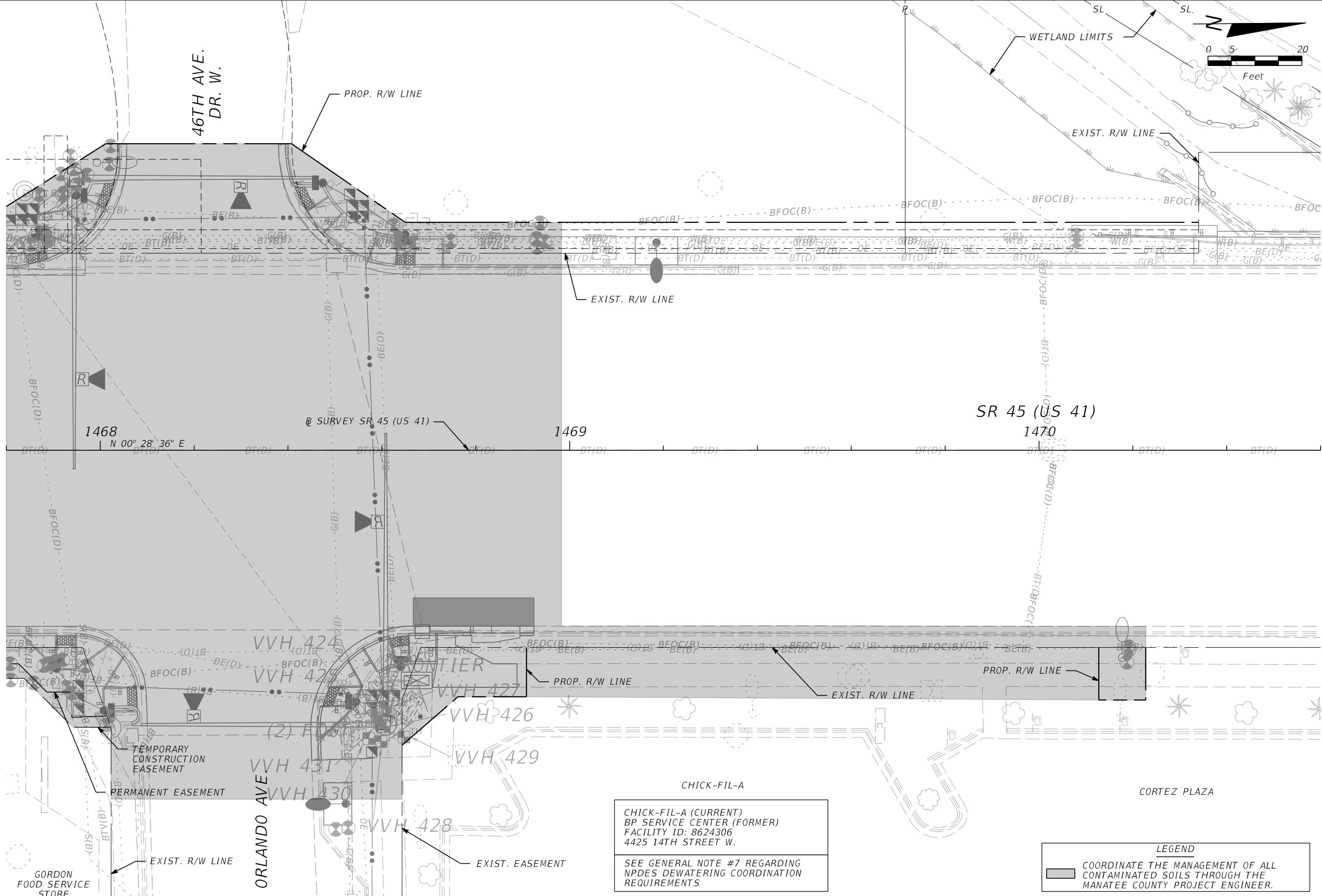
MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CONTAMINATION PLANS (04)**

SHEET NO.  
194

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CHICK-FIL-A (CURRENT)  
 BP SERVICE CENTER (FORMER)  
 FACILITY ID: 8624306  
 4425 14TH STREET W.

SEE GENERAL NOTE #7 REGARDING  
 NPDES DEWATERING COORDINATION  
 REQUIREMENTS

**LEGEND**

■ COORDINATE THE MANAGEMENT OF ALL  
 CONTAMINATED SOILS THROUGH THE  
 MANATEE COUNTY PROJECT ENGINEER.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**CONTAMINATION PLANS (05)**

SHEET NO.  
 195

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

**PAY ITEM NOTES**

PAY ITEM NO.

0521 8 3

SHALL INCLUDE ALL COSTS OF THE EPOXY MORTAR, EXPANDED POLYSTYRENE, AND TYPE HV ADHESIVE.

0400 4 11

SHALL INCLUDE ALL COSTS FOR THE PARTIAL DEMOLITION OF THE EXISTING RIPRAP WINGWALL AND THE EXISTING CONCRETE WINGWALL.

**INDEX OF SUMMARY OF QUANTITIES**

SHEET NO.

SHEET DESCRIPTION

SQ-1	SUMMARY OF LUMP SUM ITEMS
SQ-2	SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION
SQ-2 - SQ-4	SUMMARY OF EROSION AND SEDIMENT CONTROL
SQ-5 - SQ-12	SUMMARY OF LITTER REMOVAL AND MOWING
SQ-13 - SQ-22	SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS
SQ-22	SUMMARY OF EARTHWORK
SQ-23	SUMMARY OF PAVEMENT
SQ-24	SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT
SQ-246	SUMMARY OF STRUCTURE QUANTITIES
SQ-24	SUMMARY OF WALLS
SQ-24	SUMMARY OF RAILING
SQ-25 - SQ-28	SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS
SQ-29 - SQ-33	SUMMARY OF SIDEWALK & DETECTABLE WARNINGS
SQ-34 - SQ-37	SUMMARY OF PERMANENT DRIVEWAYS
SQ-37	SUMMARY OF GUARDRAIL
SQ-38 - SQ-42	SUMMARY OF PERFORMANCE TURF
SQ-42	SUMMARY OF TRAFFIC MONITORING SITE ITEMS

**SUMMARY OF LUMP SUM ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0101 1	MOBILIZATION	1			
0102 1	MAINTENANCE OF TRAFFIC	1			

**SUMMARY OF TEMPORARY SIGNALIZATION & DETECTION**

PHASE	DURATION	0102104						0102107 1						DESIGN NOTES	CONSTRUCTION REMARKS
		TEMPORARY SIGNALS & MAINTENANCE OF INTERSECTION - EACH DAY													
		TEMPORARY TRAFFIC DETECTION & MAINTENANCE OF INTERSECTION - EACH DAY													
		EXISTING			TEMPORARY			EXISTING			TEMPORARY/NEW				
DAYS	#	P	F	#	P	F	#	P	F	#	P	F			
I	100	6	600				6	600							
II	100	6	600				6	600							
SUB-TOTAL			1200					1200							
		TOTAL			1200				TOTAL			1200			

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

**MANATEE COUNTY**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**SUMMARY OF QUANTITIES**

SHEET NO.

SQ-1

**SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES**

LOCATION  STA. TO STA.	SIDE	AREA ID	SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 10 3		0104 11		0104 18			
			LF		LF		EA			
P	F	P	F	P	F					
1323+33.12 to 1324+10.47	RT		74.7							
1324+57.29 to 1324+89.76	RT		31.5							
1325+46.83 to 1326+31.59	LT		84.8							
1326+95.18 to 1328+38.77	LT		143.6							
1329+04.21 to 1329+30.05	LT		25.8							
1331+27.39 to 1331+77.37	RT		50.0							
1334+33.08 to 1334+92.29	RT		59.2							
1337+97.37 to 1338+18.54	LT		24.8							
1338+02.34 to 1338+35.74	RT		35.1							
1338+94.02 to 1339+60.44	RT		71.2							
1338+94.54 to 1339+14.18	LT		27.0							
1339+90.54 to 1340+14.55	RT		24.0							
1342+64.55 to 1343+86.95	RT		124.2							
1344+19.85 to 1346+48.81	RT		229.0							
1344+92.13 to 1345+85.68	LT		93.6							
1346+15.68 to 1346+42.32	LT		26.6							
1346+73.65 to 1347+91.78	LT		118.1							
1346+74.26 to 1347+70.30	RT		96.0							
1348+44.18 to 1349+16.40	RT		72.2							
1349+44.15 to 1349+55.42	RT		11.3							
1349+55.42 to 1349+89.26	RT		33.8							
1349+55.42 to 1349+55.42	RT		5.4							
1353+25.72 to 1354+48.30	LT		124.3							
1353+48.36 to 1353+76.61	RT		28.2							
1355+42.58 to 1356+66.98	LT		125.4							
1359+08.49 to 1359+93.83	LT		85.3							
1360+34.61 to 1360+91.57	LT		57.0							
1362+85.73 to 1363+20.46	LT		34.7							
1431+78.82 to 1432+29.68	LT		50.9							
1432+65.65 to 1433+59.61	LT		94.0							
1434+39.32 to 1434+96.75	LT		57.4							
1436+16.92 to 1436+82.04	LT		65.4							
1436+82.04 to 1436+89.33	RT		7.5							
1437+05.40 to 1438+69.20	LT		163.8							
1437+19.96 to 1438+36.49	LT		102.4							
1439+59.97 to 1440+91.30	LT		131.3							
1441+51.20 to 1442+24.71	LT		73.5							
1442+90.23 to 1443+12.21	LT		22.0							
1443+35.34 to 1444+38.80	LT		103.5							
1445+90.59 to 1446+70.22	RT		79.6							
1448+38.33 to 1449+51.34	LT		113.0							
1449+62.12 to 1450+15.57	RT		53.5							
1453+91.00 to 1454+41.29	RT		50.3							
1455+84.44 to 1456+17.02	LT		32.6							
1467+49.63 to 1467+74.41	LT		24.8							
1467+74.41 to 1468+01.19	LT		31.6							
SUB-TOTAL:			3173.9							
TOTAL:			3514		68		63			

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.  SQ-2
REVISIONS															
DATE	DESCRIPTION														
<table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>MANATEE</td> <td>433592-4-58-01</td> </tr> </tbody> </table>		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01								
ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
SR 45	MANATEE	433592-4-58-01													

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**SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES**

LOCATION  STA. TO STA.	SIDE	AREA ID	SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 10 3		0104 11		0104 18			
			LF		LF		EA			
			P	F	P	F	P	F		
1468+40.82 to 1468+64.97	LT		29.4							
1468+64.97 to 1470+34.01	LT		169.0							
1472+50.52 to 1473+16.78	LT		66.3							
1476+84.28 to 1477+59.20	RT		74.9							
1435+07.42 to 1435+08.11	LT				14.0					
1435+16.18 to 1435+17.96	LT				14.4					
1470+25.22 to 1470+39.54	LT				20.0					
1470+30.47 to 1470+49.00	LT				20.0					
1322+92.21 to 1323+02.44	RT						1.0			
1323+32.67 to 1323+44.23	LT						1.0			
1326+93.32 to 1327+08.29	RT						1.0			
1326+98.06 to 1327+13.03	LT						1.0			
1329+58.27 to 1329+62.48	RT						1.0			
1332+27.29 to 1332+42.25	RT						1.0			
1332+27.70 to 1332+42.66	LT						1.0			
1335+43.27 to 1335+58.24	LT						1.0			
1336+19.03 to 1336+34.00	RT						1.0			
1338+93.73 to 1339+08.70	LT						1.0			
1339+06.37 to 1339+21.34	RT						1.0			
1342+32.50 to 1342+44.02	LT						1.0			
1342+82.25 to 1342+97.22	RT						1.0			
1345+48.83 to 1345+63.80	RT						1.0			
1345+50.41 to 1345+65.38	LT						1.0			
1348+94.13 to 1349+09.10	LT						1.0			
1348+95.52 to 1349+10.48	RT						1.0			
1351+96.08 to 1352+11.05	LT						1.0			
1351+96.71 to 1352+04.13	RT						1.0			
1358+43.78 to 1358+58.77	RT						1.0			
1358+44.19 to 1358+59.15	LT						1.0			
1362+17.90 to 1362+32.87	LT						1.0			
1362+28.04 to 1362+43.03	RT						1.0			
1362+97.32 to 1363+12.29	LT						1.0			
1363+08.59 to 1363+23.58	RT						1.0			
1429+30.52 to 1429+36.70	LT						1.0			
1429+34.59 to 1429+44.18	RT						1.0			
1429+90.88 to 1429+97.05	LT						1.0			
1429+95.80 to 1430+00.57	RT						1.0			
1431+93.54 to 1432+08.53	RT						1.0			
1431+93.75 to 1432+08.75	LT						1.0			
1437+41.86 to 1437+56.86	LT						1.0			
1437+43.97 to 1437+58.97	RT						1.0			
1441+90.59 to 1442+05.59	LT						1.0			
1442+04.00 to 1442+19.00	RT						1.0			
1445+41.57 to 1445+56.56	LT						1.0			
1445+42.23 to 1445+57.23	RT						1.0			
1447+60.43 to 1447+75.43	RT						1.0			
1448+00.40 to 1448+15.40	LT						1.0			
SUB-TOTAL:			339.6		68.4		39.0			

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  SQ-3
REVISIONS														
DATE	DESCRIPTION													
		ROAD NO.	COUNTY	FINANCIAL PROJECT ID										
		SR 45	MANATEE	433592-4-58-01										

**SUMMARY OF QUANTITIES**

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**SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES**

LOCATION  STA. TO STA.	SIDE	AREA ID	SEDIMENT BARRIER		FLOATING TURBIDITY BARRIER		INLET PROTECTION SYSTEM		DESIGN NOTES	CONSTRUCTION REMARKS
			0104 10 3		0104 11		0104 18			
			LF		LF		EA			
P	F	P	F	P	F					
1448+38.30 to 1448+53.29	RT						1.0			
1450+46.56 to 1450+61.56	LT						1.0			
1450+48.85 to 1450+63.85	RT						1.0			
1452+86.85 to 1452+92.59	RT						1.0			
1453+36.21 to 1453+41.68	RT						1.0			
1455+92.58 to 1456+07.58	RT						1.0			
1455+93.08 to 1456+08.08	LT						1.0			
1459+66.93 to 1459+81.93	RT						1.0			
1459+68.39 to 1459+83.39	LT						1.0			
1463+09.55 to 1463+24.55	LT						1.0			
1463+14.12 to 1463+29.12	RT						1.0			
1465+44.41 to 1465+59.41	LT						1.0			
1465+44.55 to 1465+59.55	RT						1.0			
1468+04.44 to 1468+09.89	RT						1.0			
1468+46.76 to 1468+53.90	LT						1.0			
1468+51.85 to 1468+56.09	RT						1.0			
1468+75.68 to 1468+90.68	RT						1.0			
1471+57.84 to 1471+72.84	RT						1.0			
1471+67.30 to 1471+82.30	LT						1.0			
1477+77.41 to 1477+92.41	RT						1.0			
1477+92.51 to 1478+07.51	LT						1.0			
1481+48.44 to 1481+63.43	RT						1.0			
1484+18.38 to 1484+33.38	LT						1.0			
1484+37.44 to 1484+52.44	RT						1.0			
SUB-TOTAL:							24.0			

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.  SQ-4
REVISIONS															
DATE	DESCRIPTION														
<table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>MANATEE</td> <td>433592-4-58-01</td> </tr> </tbody> </table>		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01								
ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
SR 45	MANATEE	433592-4-58-01													

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

**SUMMARY OF LITTER REMOVAL AND MOWING**

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS	
					0107 1				0107 2						
	STA. TO STA.				AREA ID	CYCLES	AREA		AREA ID	CYCLES	AREA				
							AC/CYCLE	TOTAL (AC) P F			AC/CYCLE	TOTAL (AC) P F			
Phase I & II	1322+93.15 to 1329+64.69	RT	200	30	188321	7	0.217	1.519							
	1323+10.33 to 1338+41.72	LT	200	30	160732	7	0.418	2.926							
	1329+92.48 to 1342+20.57	RT	200	30	199528	7	0.357	2.499							
	1338+79.06 to 1363+29.76	LT	200	30	199611	7	0.774	5.418							
	1342+58.85 to 1362+59.58	RT	200	30	160250	7	0.544	3.808							
	1362+93.66 to 1363+29.76	RT	200	30	160364	7	0.010	0.070							
	1430+91.00 to 1452+86.74	LT	200	30	205413	7	0.313	2.191							
	1430+91.00 to 1442+38.84	RT	200	30	205344	7	0.560	3.920							
	1442+65.11 to 1447+88.70	RT	200	30	160622	7	0.132	0.924							
	1448+20.75 to 1452+97.84	RT	200	30	160593	7	0.123	0.861							
	1453+28.76 to 1468+10.27	RT	200	30	187969	7	0.369	2.583							
	1453+33.99 to 1468+05.65	LT	200	30	160421	7	0.295	2.065							
	1468+40.26 to 1472+22.68	LT	200	30	188118	7	0.130	0.910							
1468+47.12 to 1482+44.86	RT	200	30	160657	7	0.383	2.681								
1472+52.30 to 1482+36.57	LT	200	30	188055	7	0.399	2.793								
Phase I	1323+17.57 to 1323+24.98	LT	100	30					173846	3	0.001	0.003			
	1323+29.14 to 1324+05.62	LT	100	30					173857	3	0.012	0.036			
	1323+29.55 to 1324+10.47	RT	100	30					172629	3	0.006	0.018			
	1324+09.57 to 1324+96.29	LT	100	30					228735	3	0.023	0.069			
	1324+36.42 to 1324+65.11	LT	100	30					173837	3	0.002	0.006			
	1324+57.29 to 1324+89.99	RT	100	30					175125	3	0.003	0.009			
	1325+22.63 to 1326+44.73	RT	100	30					172609	3	0.004	0.012			
	1325+26.69 to 1326+39.03	RT	100	30					172622	3	0.010	0.030			
	1325+46.05 to 1326+39.16	LT	100	30					173897	3	0.013	0.039			
	1326+88.90 to 1328+06.64	RT	100	30					175135	3	0.014	0.042			
	1326+89.97 to 1328+48.56	LT	100	30					228743	3	0.039	0.117			
	1329+04.58 to 1329+30.97	LT	100	30					228760	3	0.004	0.012			
	1329+71.52 to 1330+66.37	LT	100	30					228771	3	0.009	0.027			
	1330+04.19 to 1330+67.01	RT	100	30					175147	3	0.006	0.018			
	1330+11.36 to 1331+02.55	RT	100	30					172583	3	0.002	0.006			
	1330+82.09 to 1331+02.74	RT	100	30					172600	3	0.002	0.006			
	1331+12.64 to 1333+42.43	LT	100	30					228779	3	0.021	0.063			
	1331+26.41 to 1331+72.33	RT	100	30					175173	3	0.004	0.012			
	1331+26.43 to 1331+77.37	RT	100	30					175158	3	0.002	0.006			
	1331+55.44 to 1331+73.64	LT	100	30					173956	3	0.001	0.003			
	1332+17.09 to 1333+03.58	RT	100	30					172567	3	0.003	0.009			
	1332+18.78 to 1333+02.28	RT	100	30					172545	3	0.008	0.024			
	1332+38.92 to 1332+65.95	LT	100	30					173825	3	0.002	0.006			
	1333+30.93 to 1333+42.47	LT	100	30					173815	3	0.001	0.003			
	1333+39.13 to 1334+91.86	RT	100	30					175184	3	0.035	0.105			
	1333+66.47 to 1333+77.93	LT	100	30					173806	3	0.002	0.006			
	1333+66.67 to 1334+87.09	LT	100	30					228797	3	0.012	0.036			
	1335+18.28 to 1335+31.62	RT	100	30					172537	3	0.001	0.003			
	1335+21.70 to 1335+85.84	RT	100	30					175213	3	0.003	0.009			
	1335+27.47 to 1335+62.43	LT	100	30					228808	3	0.003	0.009			
	1335+74.65 to 1335+87.39	RT	100	30					172531	3	0.001	0.003			
	1335+76.83 to 1336+32.17	LT	100	30					228815	3	0.005	0.015			
1336+12.42 to 1337+45.47	RT	100	30					172504	3	0.009	0.027				
1336+21.54 to 1336+46.54	LT	100	30					173774	3	0.003	0.009				
1336+85.49 to 1338+30.50	LT	100	30					228824	3	0.018	0.054				
1336+95.60 to 1338+17.92	LT	100	30					174025	3	0.011	0.033				
1337+60.38 to 1338+20.38	RT	100	30					172490	3	0.004	0.012				
1337+78.00 to 1338+37.42	RT	100	30					175224	3	0.010	0.030				
1338+23.04 to 1338+40.00	LT	100	30					174061	3	0.006	0.018				
SUB-TOTAL:									35.168	SUB-TOTAL:				0.945	
TOTAL:									35.2	TOTAL:				9.95	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**SUMMARY OF QUANTITIES**

SHEET NO.  
SQ-5

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

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION  STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL					MOWING					DESIGN NOTES	CONSTRUCTION REMARKS	
					0107 1					0107 2							
					AREA ID	CYCLES	AREA		TOTAL (AC)	AREA ID	CYCLES	AREA		TOTAL (AC)			
AC/CYCLE	P	F	AC/CYCLE	P			F										
Phase 1	1338+79.06 to 1338+89.03	LT	100	30						174072	3	0.005	0.015				
	1338+83.44 to 1339+60.17	RT	100	30						174115	3	0.018	0.054				
	1338+88.95 to 1339+15.07	LT	100	30						228836	3	0.003	0.009				
	1338+93.72 to 1340+04.84	LT	100	30						174080	3	0.008	0.024				
	1339+89.61 to 1340+05.04	LT	100	30						174106	3	0.001	0.003				
	1339+90.71 to 1340+14.38	RT	100	30						173742	3	0.004	0.012				
	1340+36.36 to 1340+48.10	LT	100	30						173751	3	0.002	0.006				
	1341+45.10 to 1342+04.81	LT	100	30						175240	3	0.012	0.036				
	1342+04.60 to 1342+55.62	LT	100	30						175253	3	0.005	0.015				
	1342+64.55 to 1343+92.50	RT	100	30						173724	3	0.027	0.081				
	1342+83.44 to 1343+02.68	LT	100	30						175265	3	0.001	0.003				
	1342+86.95 to 1343+47.70	LT	100	30						175280	3	0.004	0.012				
	1343+85.33 to 1344+26.23	LT	100	30						172460	3	0.005	0.015				
	1344+16.23 to 1346+48.81	RT	100	30						174133	3	0.049	0.147				
	1344+55.85 to 1345+88.42	LT	100	30						172438	3	0.022	0.066				
	1346+13.35 to 1346+44.89	LT	100	30						175291	3	0.003	0.009				
	1346+70.00 to 1347+95.03	LT	100	30						175303	3	0.023	0.069				
	1346+74.24 to 1347+70.32	RT	100	30						173714	3	0.020	0.060				
	1347+96.30 to 1348+16.08	RT	100	30						173705	3	0.003	0.009				
	1348+43.88 to 1349+17.03	RT	100	30						174149	3	0.014	0.042				
	1349+40.97 to 1351+04.54	RT	100	30						174165	3	0.017	0.051				
	1349+54.13 to 1349+69.63	LT	100	30						175324	3	0.002	0.006				
	1350+92.68 to 1351+16.43	RT	100	30						173699	3	0.001	0.003				
	1351+83.87 to 1352+02.10	RT	100	30						174195	3	0.001	0.003				
	1351+95.14 to 1354+33.75	RT	100	30						174202	3	0.038	0.114				
	1351+96.67 to 1352+83.25	LT	100	30						175336	3	0.009	0.027				
	1353+23.47 to 1354+57.72	LT	100	30						175345	3	0.027	0.081				
	1353+48.36 to 1353+76.61	RT	100	30						173690	3	0.003	0.009				
	1354+48.72 to 1355+06.92	RT	100	30						173682	3	0.016	0.048				
	1354+93.25 to 1355+16.57	RT	100	30						174222	3	0.001	0.003				
	1355+00.60 to 1355+17.81	LT	100	30						175357	3	0.006	0.018				
	1355+42.58 to 1356+68.53	LT	100	30						172427	3	0.006	0.018				
	1355+75.19 to 1355+92.19	RT	100	30						174229	3	0.001	0.132				
	1355+84.19 to 1355+92.19	RT	100	30						173676	3	0.001	0.003				
1356+05.95 to 1356+05.95	LT	100	30						172405	3	0.044	0.003					
1356+11.51 to 1358+82.67	RT	100	30						173656	3	0.021	0.063					
1356+99.79 to 1357+48.66	LT	100	30						172396	3	0.004	0.012					
1357+54.95 to 1357+85.46	LT	100	30						172386	3	0.005	0.015					
1358+20.00 to 1358+64.06	LT	100	30						175379	3	0.004	0.012					
1358+29.30 to 1358+72.33	LT	100	30						172373	3	0.002	0.006					
1358+72.72 to 1358+99.26	RT	100	30						174236	3	0.001	0.003					
1358+96.47 to 1359+05.16	LT	100	30						172365	3	0.001	0.003					
1359+08.14 to 1360+05.76	LT	100	30						172354	3	0.008	0.024					
1359+08.46 to 1360+06.36	LT	100	30						175393	3	0.003	0.009					
1359+22.76 to 1360+33.98	RT	100	30						173637	3	0.003	0.009					
1359+31.10 to 1360+20.34	RT	100	30						173648	3	0.006	0.018					
1360+34.58 to 1360+92.11	LT	100	30						172346	3	0.003	0.009					
1360+39.70 to 1360+94.29	LT	100	30						175408	3	0.008	0.024					
1360+57.23 to 1361+02.89	RT	100	30						173618	3	0.006	0.018					
1361+31.95 to 1361+71.93	LT	100	30						175420	3	0.009	0.027					
1361+32.30 to 1362+57.06	RT	100	30						174246	3	0.046	0.138					
1362+04.12 to 1362+61.23	LT	100	30						172319	3	0.008	0.024					
1362+85.69 to 1363+29.76	LT	100	30						172296	3	0.011	0.033					
1362+85.72 to 1363+20.46	LT	100	30						175439	3	0.002	0.006					
1362+95.40 to 1363+29.76	RT	100	30						174278	3	0.003	0.009					
1363+06.09 to 1363+29.76	RT	100	30						173606	3	0.001	0.003					
					SUB-TOTAL :						SUB-TOTAL : 1.671						

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-6
					SR 45	MANATEE	433592-4-58-01		

**SUMMARY OF LITTER REMOVAL AND MOWING**

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL					MOWING					DESIGN NOTES	CONSTRUCTION REMARKS
					0107 1					0107 2						
	STA. TO STA.				AREA ID	CYCLES	AREA		AREA ID	CYCLES	AREA					
							AC/CYCLE	TOTAL (AC) P F			AC/CYCLE	TOTAL (AC) P F				
Phase I	1430+91.00 to 1431+25.52	LT	100	30						205509	3	0.002	0.006			
	1430+91.00 to 1431+39.75	RT	100	30						205519	3	0.001	0.003			
	1430+98.06 to 1431+04.95	LT	100	30						173570	3	0.001	0.003			
	1431+33.00 to 1431+50.14	LT	100	30						173564	3	0.002	0.006			
	1431+69.37 to 1432+39.17	RT	100	30						173549	3	0.013	0.039			
	1431+81.13 to 1432+12.23	LT	100	30						174770	3	0.004	0.012			
	1432+64.41 to 1433+06.41	LT	100	30						173542	3	0.007	0.021			
	1432+64.87 to 1433+59.73	RT	100	30						174761	3	0.019	0.057			
	1433+55.32 to 1434+59.85	RT	100	30						173530	3	0.018	0.054			
	1434+39.32 to 1434+95.27	LT	100	30						172887	3	0.001	0.003			
	1434+41.91 to 1435+46.11	RT	100	30						174746	3	0.008	0.024			
	1434+75.77 to 1436+35.73	LT	100	30						174297	3	0.023	0.069			
	1435+68.27 to 1435+83.42	RT	100	30						174741	3	0.001	0.003			
	1436+16.92 to 1436+89.33	RT	100	30						172899	3	0.018	0.054			
	1436+98.38 to 1438+72.67	RT	100	30						173508	3	0.036	0.108			
	1437+19.96 to 1439+25.59	LT	100	30						174718	3	0.037	0.111			
	1438+95.58 to 1439+97.96	LT	100	30						174318	3	0.012	0.036			
	1439+50.09 to 1441+08.08	RT	100	30						172910	3	0.029	0.087			
	1440+40.56 to 1440+66.37	LT	100	30						173492	3	0.003	0.009			
	1441+19.26 to 1441+69.79	LT	100	30						173478	3	0.006	0.018			
	1441+34.76 to 1442+24.71	RT	100	30						174700	3	0.018	0.054			
	1442+48.51 to 1442+61.79	RT	100	30						174695	3	0.001	0.003			
	1442+65.12 to 1443+14.23	LT	100	30						174335	3	0.008	0.024			
	1442+90.23 to 1443+12.21	LT	100	30						174681	3	0.001	0.003			
	1442+92.86 to 1444+39.69	LT	100	30						172926	3	0.025	0.075			
	1443+49.28 to 1445+54.87	RT	100	30						173461	3	0.034	0.102			
	1445+17.56 to 1445+75.25	RT	100	30						172944	3	0.009	0.027			
	1445+82.46 to 1446+70.26	RT	100	30						172956	3	0.017	0.051			
	1446+03.44 to 1446+33.45	RT	100	30						173443	3	0.005	0.015			
	1446+85.78 to 1447+88.64	RT	100	30						173418	3	0.012	0.036			
	1447+16.34 to 1447+34.69	RT	100	30						172969	3	0.004	0.012			
	1448+21.61 to 1449+51.89	LT	100	30						173395	3	0.027	0.081			
	1449+54.66 to 1450+15.57	LT	100	30						172981	3	0.010	0.030			
	1449+75.75 to 1449+85.52	RT	100	30						173385	3	0.001	0.003			
	1450+33.60 to 1450+82.63	RT	100	30						173372	3	0.007	0.021			
	1451+07.86 to 1451+34.23	LT	100	30						173363	3	0.004	0.012			
	1451+35.23 to 1451+50.29	LT	100	30						174670	3	0.003	0.009			
	1451+45.33 to 1452+02.04	RT	100	30						172992	3	0.004	0.012			
	1451+69.96 to 1452+75.93	LT	100	30						173351	3	0.015	0.045			
	1452+40.78 to 1452+79.28	LT	100	30						174650	3	0.004	0.012			
1452+58.83 to 1452+84.83	LT	100	30						173008	3	0.006	0.018				
1452+77.21 to 1452+96.45	RT	100	30						173318	3	0.004	0.012				
1453+30.17 to 1453+54.36	RT	100	30						174351	3	0.007	0.021				
1453+34.26 to 1453+60.50	LT	100	30						174643	3	0.003	0.009				
1453+52.56 to 1453+67.92	LT	100	30						174375	3	0.001	0.003				
1453+87.87 to 1457+70.63	LT	100	30						173287	3	0.023	0.069				
1453+88.76 to 1454+43.23	LT	100	30						172863	3	0.005	0.015				
1454+81.77 to 1454+97.52	RT	100	30						172853	3	0.001	0.003				
1454+82.14 to 1455+36.00	LT	100	30						174811	3	0.003	0.009				
1455+37.04 to 1455+53.77	LT	100	30						174823	3	0.001	0.003				
1455+80.66 to 1456+48.35	LT	100	30						172832	3	0.002	0.006				
1455+87.46 to 1456+17.03	RT	100	30						174833	3	0.002	0.006				
1458+01.30 to 1458+33.48	RT	100	30						173307	3	0.002	0.006				
					SUB-TOTAL :											
										SUB-TOTAL :						

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324			MANATEE COUNTY <table border="1"> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> <tr> <td>SR 45</td> <td>MANATEE</td> <td>433592-4-58-01</td> </tr> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01	<b>SUMMARY OF QUANTITIES</b>		SHEET NO. SQ-7
REVISIONS																								
DATE	DESCRIPTION																							
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																						
SR 45	MANATEE	433592-4-58-01																						

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



**SUMMARY OF LITTER REMOVAL AND MOWING**

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL					MOWING					DESIGN NOTES	CONSTRUCTION REMARKS
					0107 1					0107 2						
	STA. TO STA.				AREA ID	CYCLES	AREA		AREA ID	CYCLES	AREA					
							AC/CYCLE	TOTAL (AC) P F			AC/CYCLE	TOTAL (AC) P F				
Phase I	1458+02.38 to 1460+10.65	LT	100	30						174408	3	0.014	0.042			
	1458+22.90 to 1460+18.04	RT	100	30						174845	3	0.010	0.030			
	1458+85.68 to 1460+21.28	RT	100	30						174860	3	0.001	0.003			
	1459+62.19 to 1460+20.93	LT	100	30						174396	3	0.002	0.006			
	1461+26.96 to 1463+32.34	LT	100	30						174437	3	0.011	0.033			
	1461+63.38 to 1462+49.94	RT	100	30						175098	3	0.015	0.045			
	1462+41.52 to 1462+61.53	LT	100	30						174430	3	0.001	0.003			
	1462+77.76 to 1463+32.61	LT	100	30						173264	3	0.002	0.006			
	1462+77.76 to 1463+23.74	LT	100	30						174455	3	0.002	0.006			
	1462+89.43 to 1463+03.58	RT	100	30						175115	3	0.001	0.003			
	1463+04.33 to 1463+53.84	RT	100	30						174872	3	0.004	0.012			
	1463+26.98 to 1463+36.35	LT	100	30						174478	3	0.001	0.003			
	1463+48.29 to 1463+64.90	LT	100	30						173259	3	0.001	0.003			
	1463+49.12 to 1463+62.15	LT	100	30						174471	3	0.003	0.009			
	1463+68.60 to 1464+24.57	LT	100	30						173248	3	0.006	0.018			
	1463+76.61 to 1464+37.72	RT	100	30						172803	3	0.004	0.012			
	1463+84.00 to 1464+24.57	LT	100	30						174490	3	0.001	0.003			
	1463+85.53 to 1464+38.27	LT	100	30						173242	3	0.003	0.009			
	1464+52.78 to 1465+13.22	LT	100	30						174496	3	0.003	0.009			
	1464+52.86 to 1464+63.44	RT	100	30						174898	3	0.001	0.003			
	1464+56.83 to 1464+70.59	RT	100	30						174904	3	0.001	0.003			
	1464+86.80 to 1465+04.57	RT	100	30						174913	3	0.001	0.003			
	1464+94.46 to 1465+73.53	RT	100	30						172790	3	0.004	0.012			
	1465+19.14 to 1465+87.50	LT	100	30						173233	3	0.003	0.009			
	1466+04.18 to 1466+27.95	LT	100	30						173199	3	0.002	0.006			
	1466+09.03 to 1466+27.36	LT	100	30						173221	3	0.001	0.003			
	1466+11.60 to 1466+91.94	RT	100	30						174926	3	0.004	0.012			
	1466+52.05 to 1467+23.14	LT	100	30						174511	3	0.004	0.012			
	1467+30.98 to 1468+03.86	RT	100	30						174939	3	0.008	0.024			
	1467+52.12 to 1468+06.81	LT	100	30						173146	3	0.009	0.027			
	1467+53.04 to 1467+91.90	LT	100	30						174529	3	0.002	0.006			
	1468+01.21 to 1468+10.77	RT	100	30						173130	3	0.001	0.003			
	1468+42.28 to 1471+40.83	LT	100	30						174968	3	0.068	0.204			
	1468+49.59 to 1468+62.59	RT	100	30						174538	3	0.005	0.015			
	1468+77.85 to 1468+93.08	RT	100	30						173088	3	0.001	0.105			
	1470+15.01 to 1470+25.01	RT	100	30						174545	3	0.001	0.003			
	1470+27.98 to 1470+27.98	RT	100	30						174551	3	0.035	0.003			
	1471+02.70 to 1471+89.70	RT	100	30						174556	3	0.005	0.015			
	1471+89.92 to 1472+41.57	LT	100	30						172773	3	0.003	0.012			
	1471+90.97 to 1471+90.97	RT	100	30						173122	3	0.004	0.009			
1472+52.30 to 1473+16.40	LT	100	30						172766	3	0.009	0.027				
1474+02.12 to 1474+25.80	LT	100	30						175022	3	0.001	0.003				
1474+06.92 to 1474+39.06	LT	100	30						172754	3	0.001	0.003				
1474+10.77 to 1474+28.58	RT	100	30						174564	3	0.001	0.003				
1474+45.12 to 1474+68.44	LT	100	30						172742	3	0.001	0.003				
1474+45.80 to 1474+95.86	LT	100	30						172727	3	0.003	0.009				
1474+73.98 to 1474+85.24	LT	100	30						175030	3	0.001	0.003				
1474+91.26 to 1475+11.95	LT	100	30						172717	3	0.001	0.003				
1475+67.21 to 1475+89.75	LT	100	30						172712	3	0.001	0.003				
1475+87.84 to 1476+36.57	LT	100	30						172698	3	0.003	0.009				
1475+92.66 to 1476+45.25	LT	100	30						175041	3	0.002	0.006				
1476+84.82 to 1478+22.52	LT	100	30						172659	3	0.025	0.075				
1478+53.57 to 1480+34.14	LT	100	30						175056	3	0.041	0.123				
1479+05.21 to 1482+30.72	RT	100	30						174583	3	0.023	0.069				
1480+62.20 to 1482+23.51	LT	100	30						172640	3	0.077	0.231				
1481+73.02 to 1482+20.04	LT	100	30						173052	3	0.008	0.024				
1481+75.22 to 1482+20.05	RT	100	30						173075	3	0.007	0.021				
1482+23.16 to 1482+31.35	LT	100	30						174620	3	0.001	0.003				
SUB-TOTAL:													1.362			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**SUMMARY OF QUANTITIES**

SHEET NO.  
SQ-8

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

**SUMMARY OF LITTER REMOVAL AND MOWING**

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL					MOWING					DESIGN NOTES	CONSTRUCTION REMARKS
					0107 1					0107 2						
	AREA ID				CYCLES	AREA		AC/ CYCLE	TOTAL (AC) P F	AREA ID	CYCLES	AREA		AC/ CYCLE		
Phase I	1482+23.58 to 1482+34.49	LT	100	30								173040	3		0.004	0.012
	1482+24.52 to 1482+36.69	RT	100	30						174572	3	0.002	0.006			
	1482+27.86 to 1482+42.29	RT	100	30						173065	3	0.004	0.012			
Phase II	1322+95.38 to 1323+14.13	RT	100	30						184406	3	0.005	0.015			
	1323+17.57 to 1323+24.98	LT	100	30						185984	3	0.001	0.003			
	1323+29.14 to 1323+37.44	LT	100	30						185223	3	0.002	0.006			
	1323+30.68 to 1324+21.04	RT	100	30						213686	3	0.006	0.018			
	1323+36.77 to 1324+05.62	LT	100	30						185998	3	0.011	0.033			
	1324+09.57 to 1324+96.29	LT	100	30						185247	3	0.023	0.069			
	1324+54.42 to 1324+89.85	RT	100	30						213700	3	0.001	0.003			
	1325+22.47 to 1326+44.14	RT	100	30						213718	3	0.003	0.009			
	1325+25.00 to 1326+40.96	RT	100	30						213713	3	0.010	0.030			
	1325+46.05 to 1326+39.16	LT	100	30						185212	3	0.013	0.039			
	1326+87.01 to 1328+06.64	RT	100	30						213711	3	0.012	0.036			
	1326+89.97 to 1328+48.56	LT	100	30						213741	3	0.039	0.117			
	1329+04.58 to 1329+30.97	LT	100	30						186025	3	0.004	0.012			
	1329+33.15 to 1329+62.13	RT	100	30						213730	3	0.002	0.006			
	1329+71.52 to 1330+66.37	LT	100	30						185184	3	0.009	0.027			
	1330+04.19 to 1330+67.01	RT	100	30						184651	3	0.006	0.018			
	1330+11.36 to 1331+03.05	RT	100	30						185973	3	0.001	0.003			
	1330+82.09 to 1331+00.57	RT	100	30						213751	3	0.001	0.003			
	1331+12.64 to 1333+42.43	LT	100	30						185147	3	0.021	0.063			
	1331+26.85 to 1331+78.10	RT	100	30						184636	3	0.003	0.009			
	1331+55.44 to 1331+73.64	LT	100	30						186054	3	0.001	0.003			
	1332+14.16 to 1333+03.88	RT	100	30						184662	3	0.005	0.015			
	1332+17.17 to 1333+00.49	RT	100	30						186645	3	0.006	0.018			
	1332+38.92 to 1332+65.95	LT	100	30						185258	3	0.002	0.006			
	1333+34.29 to 1333+97.08	RT	100	30						186622	3	0.003	0.009			
	1333+41.98 to 1333+94.59	RT	100	30						185962	3	0.004	0.012			
	1333+66.67 to 1334+87.09	LT	100	30						213767	3	0.012	0.036			
	1334+33.08 to 1334+92.29	RT	100	30						213759	3	0.005	0.015			
	1335+18.28 to 1335+31.62	RT	100	30						185265	3	0.001	0.003			
	1335+25.11 to 1335+81.15	RT	100	30						186061	3	0.002	0.006			
	1335+27.47 to 1335+62.43	LT	100	30						184684	3	0.003	0.009			
	1335+74.65 to 1335+87.36	RT	100	30						186665	3	0.001	0.003			
	1335+76.83 to 1336+32.17	LT	100	30						184438	3	0.005	0.015			
	1336+10.53 to 1336+26.21	RT	100	30						186080	3	0.002	0.006			
1336+14.45 to 1337+45.47	RT	100	30						184613	3	0.006	0.018				
1336+21.54 to 1336+43.80	LT	100	30						185274	3	0.002	0.006				
1336+85.49 to 1338+30.50	LT	100	30						186604	3	0.018	0.054				
1336+95.60 to 1338+17.91	LT	100	30						186830	3	0.011	0.033				
1337+60.40 to 1338+11.44	RT	100	30						185936	3	0.004	0.012				
1338+23.04 to 1338+39.63	LT	100	30						184350	3	0.006	0.018				
1338+79.11 to 1338+89.03	LT	100	30						184388	3	0.003	0.009				
1338+83.67 to 1339+99.24	RT	100	30						186852	3	0.023	0.069				
1338+88.95 to 1339+15.07	LT	100	30						186867	3	0.003	0.009				
1338+93.72 to 1339+08.60	LT	100	30						187044	3	0.002	0.006				
1338+97.45 to 1339+20.44	LT	100	30						186970	3	0.001	0.003				
1339+20.43 to 1340+00.06	LT	100	30						187021	3	0.005	0.015				
1339+89.61 to 1340+03.95	LT	100	30						185286	3	0.001	0.003				
1339+90.71 to 1340+14.55	RT	100	30						186987	3	0.004	0.012				
1340+34.45 to 1340+41.98	LT	100	30						184557	3	0.001	0.003				
1341+90.42 to 1342+56.02	LT	100	30						186887	3	0.012	0.036				
1342+64.55 to 1343+92.50	RT	100	30						186712	3	0.027	0.081				
1342+83.44 to 1343+02.67	LT	100	30						186758	3	0.002	0.006				
1342+87.01 to 1343+02.68	LT	100	30						185294	3	0.001	0.003				
1343+84.71 to 1344+25.11	LT	100	30						185614	3	0.002	0.006				
1344+16.23 to 1346+21.64	RT	100	30						213576	3	0.043	0.129				
<b>SUB-TOTAL:</b>													1.236			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
 P.E. LICENSE NUMBER 61661  
 SCALAR CONSULTING GROUP INC.  
 8751 W. BROWARD BOULEVARD, SUITE 307  
 PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**SUMMARY OF QUANTITIES**

SHEET NO. SQ-9

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

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL					MOWING					DESIGN NOTES	CONSTRUCTION REMARKS
					0107 1					0107 2						
	STA. TO STA.				AREA ID	CYCLE S	AREA		AREA ID	CYCLE S	AREA					
			AC/ CYCLE	TOTAL (AC)			AC/ CYCLE	TOTAL (AC)	P	F						
Phase II	1344+56.11 to 1344+25.11	LT	100	30					184552	3	0.008	0.024				
	1346+12.68 to 1346+48.81	RT	100	30					185121	3	0.001	0.003				
	1346+70.53 to 1345+88.68	LT	100	30					184523	3	0.010	0.030				
	1346+74.51 to 1346+44.24	LT	100	30					186725	3	0.013	0.039				
	1347+96.30 to 1348+31.69	LT	100	30					186745	3	0.003	0.009				
	1348+43.88 to 1347+70.32	RT	100	30					185925	3	0.014	0.042				
	1348+71.69 to 1348+16.08	RT	100	30					185316	3	0.006	0.018				
	1349+40.97 to 1349+17.03	RT	100	30					186090	3	0.017	0.051				
	1350+09.49 to 1349+73.49	LT	100	30					184547	3	0.006	0.018				
	1350+92.68 to 1351+04.54	RT	100	30					185085	3	0.001	0.003				
	1351+54.77 to 1351+02.38	LT	100	30					184530	3	0.007	0.021				
	1351+83.87 to 1351+16.43	RT	100	30					185918	3	0.001	0.003				
	1351+95.14 to 1352+98.71	LT	100	30					186734	3	0.038	0.114				
	1353+31.82 to 1352+02.10	RT	100	30					186114	3	0.008	0.024				
	1353+48.36 to 1354+33.75	RT	100	30					185060	3	0.003	0.009				
	1354+48.72 to 1354+55.70	LT	100	30					184537	3	0.016	0.048				
	1354+93.25 to 1353+76.61	RT	100	30					185326	3	0.001	0.003				
	1354+94.69 to 1355+06.92	RT	100	30					185909	3	0.004	0.012				
	1355+42.58 to 1355+16.57	RT	100	30					186122	3	0.047	0.141				
	1355+75.19 to 1355+17.68	LT	100	30					186686	3	0.001	0.003				
	1355+84.19 to 1356+68.53	LT	100	30					184431	3	0.001	0.003				
	1356+11.51 to 1355+92.19	RT	100	30					185052	3	0.021	0.063				
	1356+95.86 to 1355+92.19	RT	100	30					185336	3	0.003	0.009				
	1357+55.11 to 1358+82.67	RT	100	30					185885	3	0.002	0.006				
	1358+19.64 to 1357+48.66	LT	100	30					184562	3	0.004	0.012				
	1358+72.72 to 1357+95.64	LT	100	30					184598	3	0.001	0.003				
	1358+95.70 to 1358+71.70	LT	100	30					186693	3	0.002	0.006				
	1359+08.46 to 1358+99.26	RT	100	30					186130	3	0.008	0.024				
	1359+22.76 to 1359+05.25	LT	100	30					213772	3	0.003	0.009				
	1359+31.10 to 1360+06.36	LT	100	30					213773	3	0.006	0.018				
	1360+35.19 to 1360+33.98	RT	100	30					185873	3	0.006	0.018				
	1360+57.23 to 1360+20.34	RT	100	30					185342	3	0.006	0.018				
	1361+30.08 to 1360+93.08	LT	100	30					184603	3	0.004	0.012				
	1361+32.06 to 1361+03.49	RT	100	30					213372	3	0.027	0.081				
	1361+37.38 to 1361+71.52	LT	100	30					213779	3	0.002	0.006				
	1362+04.34 to 1362+51.52	RT	100	30					187061	3	0.003	0.009				
	1362+06.81 to 1361+94.63	RT	100	30					184340	3	0.001	0.003				
	1362+85.38 to 1362+57.04	LT	100	30					184582	3	0.009	0.027				
	1362+95.62 to 1362+45.89	RT	100	30					187078	3	0.003	0.009				
	1363+04.49 to 1363+20.46	LT	100	30					186676	3	0.003	0.009				
1363+06.09 to 1363+29.76	RT	100	30					185041	3	0.001	0.003					
1430+11.41 to 1431+35.48	LT	100	30					228580	3	0.009	0.027					
1430+98.06 to 1431+04.95	RT	100	30					185849	3	0.001	0.003					
1431+17.28 to 1431+39.72	LT	100	30					184698	3	0.001	0.003					
1431+33.00 to 1431+50.14	RT	100	30					185374	3	0.002	0.006					
1431+69.37 to 1432+39.17	RT	100	30					185831	3	0.013	0.039					
1431+81.15 to 1432+22.28	LT	100	30					184770	3	0.001	0.003					
1432+58.28 to 1433+59.67	LT	100	30					228605	3	0.006	0.018					
1432+64.41 to 1433+06.41	RT	100	30					185381	3	0.007	0.021					
1433+55.32 to 1434+59.85	RT	100	30					185818	3	0.018	0.054					
1434+39.31 to 1435+48.26	LT	100	30					184764	3	0.002	0.006					
					SUB-TOTAL :						SUB-TOTAL :		1.143			

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		SQ-10

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

**SUMMARY OF LITTER REMOVAL AND MOWING**

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL					MOWING					DESIGN NOTES	CONSTRUCTION REMARKS
					0107 1					0107 2						
					AREA ID	CYCLES	AREA		AREA ID	CYCLES	AREA					
AC/CYCLE	TOTAL (AC) P F	AC/CYCLE	TOTAL (AC) P F													
Phase 11	1434+42.79 to 1435+43.71	LT	100	30						185818	3	0.006	0.018			
	1434+75.77 to 1436+35.73	RT	100	30						184764	3	0.023	0.069			
	1435+69.79 to 1435+83.42	LT	100	30						186584	3	0.001	0.003			
	1436+16.92 to 1436+89.33	LT	100	30						186140	3	0.004	0.012			
	1436+28.52 to 1436+86.89	LT	100	30						186536	3	0.006	0.018			
	1436+98.38 to 1438+72.67	RT	100	30						186572	3	0.036	0.108			
	1437+19.96 to 1439+25.60	LT	100	30						184702	3	0.010	0.030			
	1438+95.58 to 1439+97.96	RT	100	30						185388	3	0.012	0.036			
	1439+50.09 to 1441+08.29	LT	100	30						186503	3	0.007	0.021			
	1440+40.56 to 1440+66.37	RT	100	30						185024	3	0.003	0.009			
	1441+19.26 to 1441+69.79	RT	100	30						184753	3	0.006	0.018			
	1441+34.46 to 1442+24.71	LT	100	30						185802	3	0.006	0.018			
	1442+48.51 to 1442+61.79	LT	100	30						185412	3	0.001	0.003			
	1442+65.12 to 1443+14.23	RT	100	30						184710	3	0.008	0.024			
	1442+90.23 to 1443+12.21	LT	100	30						186545	3	0.002	0.006			
	1443+35.49 to 1444+71.59	LT	100	30						186163	3	0.009	0.027			
	1443+49.28 to 1445+54.87	RT	100	30						186569	3	0.034	0.102			
	1445+11.96 to 1445+68.77	LT	100	30						184748	3	0.003	0.009			
	1445+90.42 to 1446+70.23	LT	100	30						185783	3	0.005	0.015			
	1446+03.44 to 1446+33.45	RT	100	30						184298	3	0.005	0.015			
	1446+85.78 to 1447+88.64	RT	100	30						187162	3	0.012	0.036			
	1447+06.23 to 1447+47.71	LT	100	30						186549	3	0.002	0.006			
	1447+83.71 to 1448+32.57	LT	100	30						185428	3	0.003	0.009			
	1448+20.75 to 1448+27.06	RT	100	30						185754	3	0.003	0.009			
	1448+21.61 to 1449+51.89	RT	100	30						184287	3	0.027	0.081			
	1449+54.66 to 1450+15.57	LT	100	30						184742	3	0.004	0.012			
	1449+75.75 to 1449+85.52	RT	100	30						184100	3	0.001	0.003			
	1450+33.60 to 1450+82.63	RT	100	30						184068	3	0.007	0.021			
	1450+36.11 to 1450+99.22	LT	100	30						186556	3	0.004	0.012			
	1451+07.86 to 1451+34.23	RT	100	30						185742	3	0.004	0.012			
	1451+35.22 to 1451+50.29	LT	100	30						185448	3	0.005	0.015			
	1451+37.53 to 1451+50.38	LT	100	30						186562	3	0.001	0.003			
	1451+69.96 to 1452+75.93	RT	100	30						185732	3	0.015	0.045			
	1451+91.40 to 1452+04.17	LT	100	30						184725	3	0.001	0.003			
	1452+39.00 to 1452+84.73	LT	100	30						213790	3	0.008	0.024			
	1452+86.38 to 1452+86.38	RT	100	30						185464	3	0.003	0.009			
	1453+30.78 to 1453+66.45	RT	100	30						213792	3	0.006	0.018			
	1453+34.26 to 1453+60.50	LT	100	30						184730	3	0.003	0.009			
	1453+66.41 to 1453+71.74	LT	100	30						184110	3	0.001	0.003			
	1453+90.45 to 1454+42.24	RT	100	30						184877	3	0.003	0.009			
	1455+28.19 to 1455+28.19	RT	100	30						186600	3	0.004	0.012			
	1455+37.04 to 1455+53.77	RT	100	30						184695	3	0.002	0.006			
	1455+80.62 to 1456+17.03	RT	100	30						186387	3	0.003	0.009			
	1456+47.14 to 1457+68.71	RT	100	30						213497	3	0.006	0.018			
	1457+05.38 to 1457+24.40	LT	100	30						213499	3	0.002	0.006			
	1457+24.39 to 1457+70.20	LT	100	30						184874	3	0.003	0.009			
	1458+01.30 to 1458+33.48	LT	100	30						184859	3	0.002	0.006			
	1458+02.38 to 1460+10.65	LT	100	30						213487	3	0.014	0.042			
	1458+24.16 to 1459+16.12	RT	100	30						213478	3	0.004	0.012			
	1459+28.12 to 1460+16.84	RT	100	30						213468	3	0.004	0.012			
1459+62.19 to 1460+20.93	LT	100	30						185477	3	0.002	0.006				
1460+11.17 to 1460+21.17	RT	100	30						186190	3	0.001	0.003				
1460+57.17 to 1462+40.49	RT	100	30						186385	3	0.009	0.027				
1461+26.96 to 1463+30.07	LT	100	30						187289	3	0.011	0.033				
1462+39.25 to 1462+59.26	LT	100	30						184892	3	0.001	0.003				
1462+75.49 to 1463+21.47	LT	100	30						184154	3	0.002	0.006				
1462+75.49 to 1463+30.34	LT	100	30						185007	3	0.002	0.006				
1462+87.40 to 1463+50.00	RT	100	30						184906	3	0.003	0.009				
SUB-TOTAL:										SUB-TOTAL:					1.125	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO. <b>SQ-11</b>
	ROAD NO. SR 45	COUNTY MANATEE	FINANCIAL PROJECT ID 433592-4-58-01	

**SUMMARY OF QUANTITIES**

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	CONSTRUCTION REMARKS		
					0107 1				0107 2							
	STA. TO STA.				AREA ID	CYCLE S	AREA AC/ CYCLE	TOTAL (AC) P F	AREA ID	CYCLE S	AREA AC/ CYCLE	TOTAL (AC) P F				
Phase 11	1463+24.71 to 1463+34.09	LT	100	30						186252	3	0.001	0.003			
	1463+46.02 to 1463+62.63	LT	100	30						185686	3	0.001	0.003			
	1463+46.86 to 1463+59.88	LT	100	30						184979	3	0.003	0.009			
	1463+66.33 to 1464+22.30	LT	100	30						185513	3	0.006	0.018			
	1463+81.73 to 1464+22.30	LT	100	30						184971	3	0.001	0.003			
	1463+83.26 to 1464+36.00	LT	100	30						185679	3	0.003	0.009			
	1464+50.51 to 1465+10.95	LT	100	30						186266	3	0.003	0.009			
	1464+54.56 to 1464+68.27	RT	100	30						184865	3	0.001	0.003			
	1464+85.10 to 1465+72.90	RT	100	30						186409	3	0.006	0.018			
	1465+16.87 to 1465+85.23	LT	100	30						227814	3	0.003	0.009			
	1466+01.91 to 1466+25.69	LT	100	30						185643	3	0.002	0.006			
	1466+06.76 to 1466+25.09	LT	100	30						185539	3	0.001	0.003			
	1466+08.82 to 1466+87.18	RT	100	30						184897	3	0.005	0.015			
	1466+49.78 to 1467+20.87	LT	100	30						184955	3	0.004	0.012			
	1467+27.25 to 1467+88.62	RT	100	30						213507	3	0.004	0.012			
	1467+49.85 to 1468+04.54	LT	100	30						185569	3	0.009	0.027			
	1467+50.77 to 1467+89.63	LT	100	30						184946	3	0.002	0.006			
	1467+98.94 to 1468+08.50	RT	100	30						187236	3	0.002	0.006			
	1468+39.99 to 1470+43.96	LT	100	30						213799	3	0.016	0.048			
	1468+57.88 to 1468+90.81	RT	100	30						229349	3	0.006	0.018			
	1468+75.70 to 1468+90.81	RT	100	30						184197	3	0.002	0.006			
	1468+90.81 to 1471+99.94	RT	100	30						184207	3	0.024	0.072			
	1470+12.74 to 1470+22.74	RT	100	30						186287	3	0.001	0.003			
	1470+95.74 to 1472+16.96	LT	100	30						213794	3	0.012	0.036			
	1471+00.43 to 1471+87.43	RT	100	30						184936	3	0.005	0.015			
	1471+87.65 to 1472+39.31	RT	100	30						185627	3	0.003	0.009			
	1472+40.97 to 1473+28.85	LT	100	30						186462	3	0.007	0.021			
	1474+04.65 to 1474+36.79	LT	100	30						186423	3	0.001	0.003			
	1474+08.50 to 1474+26.31	RT	100	30						186292	3	0.001	0.003			
	1474+09.35 to 1474+23.53	LT	100	30						187207	3	0.001	0.003			
	1474+42.85 to 1474+66.20	LT	100	30						229480	3	0.001	0.003			
	1474+43.53 to 1474+99.40	LT	100	30						184263	3	0.003	0.009			
	1474+88.99 to 1475+09.82	LT	100	30						229508	3	0.001	0.003			
	1475+62.16 to 1476+42.98	LT	100	30						184819	3	0.003	0.009			
	1475+74.93 to 1476+36.50	LT	100	30						187186	3	0.004	0.012			
1476+82.55 to 1478+20.22	LT	100	30						228639	3	0.014	0.042				
1476+92.28 to 1477+49.95	LT	100	30						187214	3	0.005	0.015				
1478+51.30 to 1480+31.88	LT	100	30						213526	3	0.024	0.072				
1479+02.94 to 1481+66.98	RT	100	30						229731	3	0.008	0.024				
1480+59.93 to 1482+21.24	LT	100	30						184225	3	0.077	0.231				
1481+66.98 to 1482+28.45	RT	100	30						229650	3	0.015	0.045				
1481+70.76 to 1482+17.77	LT	100	30						187222	3	0.008	0.024				
1481+72.95 to 1482+17.78	RT	100	30						185601	3	0.007	0.021				
1482+20.89 to 1482+29.08	LT	100	30						184249	3	0.001	0.003				
1482+22.25 to 1482+34.43	RT	100	30						184924	3	0.002	0.006				
1482+25.60 to 1482+40.02	RT	100	30						185616	3	0.004	0.012				
					SUB-TOTAL:					SUB-TOTAL:					0.939	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

SUMMARY OF QUANTITIES

SHEET NO.  
SQ-12

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

**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING	1323+30.68 to 1324+10.46	RT	191608	LS	0.006			1		2.35 TOTAL AC	
		1323+98.88 to 1324+65.11	RT	191756		0.011						
		1324+36.42 to 1324+87.27	LT	89319		0.004						
		1324+36.53 to 1324+96.29	LT	121378		0.016						
		1324+57.29 to 1326+43.61	RT	200974		0.014						
		1325+31.56 to 1326+40.60	LT	89290		0.013						
		1326+23.95 to 1326+39.03	RT	191831		0.001						
		1326+79.55 to 1326+95.93	RT	191849		0.002						
		1326+88.90 to 1326+97.44	RT	214311		0.002						
		1326+90.00 to 1328+48.55	LT	214169		0.038						
		1327+93.96 to 1329+62.16	RT	214330		0.039						
		1329+04.21 to 1329+30.05	LT	21488		0.002						
		1330+82.09 to 1331+77.37	RT	191862		0.011						
		1331+55.44 to 1331+73.64	LT	89373		0.001						
		1331+55.44 to 1331+73.64	LT	89239		0.002						
		1331+69.96 to 1332+27.53	RT	191864		0.009						
		1332+17.09 to 1333+03.58	RT	89386		0.006						
		1332+18.74 to 1333+02.28	RT	89220		0.008						
		1332+38.92 to 1332+65.95	LT	89192		0.003						
		1332+38.92 to 1332+65.95	LT	191964		0.002						
		1332+99.24 to 1333+50.64	RT	191865		0.008						
		1333+30.93 to 1333+42.43	LT	89210		0.001						
		1333+30.93 to 1333+42.47	LT	89438		0.001						
		1333+38.79 to 1334+91.86	RT	89411		0.031						
		1333+43.00 to 1333+65.98	LT	191966		0.003						
		1333+66.47 to 1333+77.93	LT	89201		0.002						
		1333+66.67 to 1333+77.93	LT	89449		0.001						
		1334+75.05 to 1334+87.09	LT	191972		0.001						
		1334+87.07 to 1335+35.06	LT	191973		0.001						
		1334+89.83 to 1335+20.21	RT	191873		0.004						
		1335+18.28 to 1335+31.62	RT	89478		0.001						
		1335+27.47 to 1335+35.06	LT	89185		0.001						
		1335+74.65 to 1335+87.39	RT	89484		0.001						
		1335+74.65 to 1335+85.84	RT	214365		0.001						
		1335+86.85 to 1336+17.16	RT	191886		0.004						
		1336+11.76 to 1336+32.17	LT	89153		0.001						
		1336+12.42 to 1336+26.21	RT	214406		0.003						
		1336+21.61 to 1336+46.54	LT	89490		0.003						
		1336+82.51 to 1337+17.44	LT	89508		0.004						
		1336+95.60 to 1337+17.44	LT	89143		0.002						
		1337+78.00 to 1338+20.38	RT	214390		0.002						
		1337+89.12 to 1338+18.68	LT	89079		0.002						
		1337+89.12 to 1338+30.50	LT	89549		0.007						
		1338+03.93 to 1338+35.74	RT	191909		0.006						
		1338+23.04 to 1338+41.19	LT	89540		0.007						
		1338+78.07 to 1339+60.17	RT	200950		0.023						
		1338+79.06 to 1338+89.03	LT	200923		0.005						
		1338+93.72 to 1339+20.06	LT	89568		0.003						
		1338+93.73 to 1339+15.33	LT	89057		0.002						
		1339+89.61 to 1340+05.04	LT	89034		0.001						
		1339+89.61 to 1340+04.85	LT	89580		0.001						
		1339+90.71 to 1340+14.38	RT	89043		0.004						

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324		MANATEE COUNTY ROAD NO. COUNTY FINANCIAL PROJECT ID SR 45 MANATEE 433592-4-58-01			SUMMARY OF QUANTITIES		SHEET NO. SQ-13
REVISIONS																							
DATE	DESCRIPTION	DATE	DESCRIPTION																				

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

**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING (CONT'D)	1340+15.12 to 1341+18.17	RT	191918		0.020						
		1340+36.36 to 1342+55.62	LT	201818		0.041						
		1341+78.55 to 1342+17.25	RT	191921		0.008						
		1342+55.97 to 1343+02.68	LT	191988		0.010						
		1342+58.36 to 1346+48.81	RT	192955		0.073						
		1342+86.95 to 1343+02.68	LT	89606		0.001						
		1343+85.33 to 1346+13.13	LT	192006		0.025						
		1346+13.35 to 1346+44.89	LT	192005		0.003						
		1346+44.16 to 1354+57.72	LT	192014		0.135						
		1346+74.24 to 1347+70.32	RT	88935		0.020						
		1347+96.30 to 1348+16.08	RT	191929		0.003						
		1348+43.88 to 1349+17.03	RT	88917		0.014						
		1349+40.97 to 1349+89.26	RT	214508		0.010						
		1350+16.23 to 1350+88.47	LT	193475		0.006						
		1350+75.08 to 1351+04.54	RT	214472		0.028						
		1350+92.68 to 1351+16.43	RT	89689		0.001						
		1351+06.39 to 1351+93.67	RT	193235		0.026						
		1351+83.87 to 1352+02.10	RT	88909		0.001						
		1351+95.14 to 1354+33.64	RT	201421		0.021						
		1353+48.36 to 1353+73.46	RT	89696		0.003						
		1354+48.72 to 1354+80.42	RT	201243		0.001						
		1354+58.31 to 1355+06.92	RT	191943		0.008						
		1354+77.40 to 1356+99.43	LT	192022		0.070						
		1355+01.04 to 1355+16.57	RT	191943		0.001						
		1355+06.13 to 1355+85.39	RT	191943		0.013						
		1355+75.19 to 1355+92.19	RT	89753		0.001						
		1355+84.19 to 1355+92.19	RT	88896		0.001						
		1356+11.51 to 1358+73.10	RT	201493		0.020						
		1356+99.79 to 1357+48.66	LT	192023		0.004						
		1357+55.11 to 1357+96.25	LT	89799		0.005						
		1358+20.00 to 1358+64.06	LT	89799		0.004						
		1358+27.44 to 1358+72.33	LT	89810		0.002						
		1358+68.17 to 1358+98.79	LT	193557		0.002						
		1358+96.45 to 1359+05.16	LT	88799		0.001						
		1359+08.14 to 1360+94.29	LT	192030		0.022						
		1359+08.46 to 1360+06.35	LT	88785		0.003						
		1360+34.58 to 1360+92.11	LT	89839		0.003						
		1360+81.98 to 1361+43.80	RT	191951		0.008						
		1360+81.98 to 1361+02.89	RT	191949		0.004						
		1360+93.58 to 1361+43.33	LT	192058		0.006						
		1361+31.66 to 1361+71.98	LT	192031		0.009						
		1361+32.85 to 1362+51.52	RT	201525		0.027						
		1361+71.01 to 1362+03.90	LT	192059		0.003						
		1362+04.34 to 1362+57.04	LT	88737		0.008						
		1362+85.53 to 1363+20.57	LT	201890		0.010						
		1362+85.54 to 1363+20.46	LT	112719		0.002						
		1362+98.45 to 1364+57.70	RT	201547		0.010						
		1364+81.78 to 1365+88.65	RT	201578		0.006						
		1430+98.06 to 1431+04.90	RT	119980		0.001						
		1431+12.43 to 1431+25.52	LT	192094		0.001						
		1431+17.28 to 1431+39.75	LT	120315		0.001						
		1431+29.74 to 1431+69.29	RT	120315		0.005						

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REVISIONS																	
DATE	DESCRIPTION																
		ROAD NO. SR 45	COUNTY MANATEE	FINANCIAL PROJECT ID 433592-4-58-01													

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

**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING (CONT'D)	1431+33.00 to 1431+50.14	RT	120321		0.002						
		1431+69.37 to 1432+39.17	RT	119965		0.013						
		1431+81.13 to 1435+83.42	LT	119254		0.064						
		1432+38.52 to 1432+63.93	RT	120459		0.004						
		1432+64.41 to 1433+09.56	RT	120327		0.008						
		1432+99.98 to 1433+68.79	RT	119780		0.011						
		1433+54.84 to 1434+59.85	RT	119950		0.024						
		1434+39.32 to 1435+48.26	LT	119241		0.001						
		1434+75.77 to 1436+35.72	RT	119643		0.023						
		1436+16.92 to 1439+25.57	LT	120470		0.062						
		1436+29.47 to 1437+04.63	RT	120522		0.012						
		1436+98.92 to 1439+97.90	RT	120539		0.058						
		1439+54.37 to 1441+08.29	LT	119989		0.028						
		1440+40.56 to 1442+32.55	LT	119738		0.029						
		1441+34.46 to 1442+24.71	RT	120296		0.019						
		1442+48.51 to 1442+61.79	LT	119945		0.001						
		1442+66.55 to 1443+08.53	RT	120001		0.008						
		1442+90.23 to 1443+12.21	LT	120016		0.001						
		1442+92.86 to 1443+08.63	LT	120266		0.001						
		1443+00.43 to 1443+52.15	RT	192558		0.006						
		1443+35.49 to 1445+75.25	LT	120782		0.047						
		1443+49.23 to 1445+54.87	RT	120276		0.034						
		1445+80.09 to 1447+88.64	RT	192561		0.039						
		1445+82.70 to 1450+15.57	LT	121322		0.086						
		1448+21.61 to 1451+34.22	RT	119577		0.058						
		1451+34.70 to 1452+96.45	RT	120866		0.027						
		1451+35.23 to 1451+50.29	LT	120257		0.003						
		1451+91.41 to 1452+02.04	LT	192425		0.001						
		1452+00.23 to 1452+41.16	LT	192426		0.005						
		1452+40.78 to 1452+79.28	LT	119935		0.004						
		1452+58.83 to 1452+86.74	LT	194003		0.006						
		1453+31.31 to 1455+37.60	RT	120908		0.024						
		1453+34.26 to 1453+67.92	LT	192429		0.005						
		1453+66.41 to 1453+71.74	LT	120045		0.001						
		1454+81.77 to 1454+97.52	RT	119538		0.001						
		1455+37.04 to 1456+17.03	RT	192581		0.012						
		1456+47.06 to 1458+80.65	RT	192596		0.027						
		1457+05.39 to 1457+24.39	LT	119919		0.002						
		1457+58.97 to 1458+33.48	LT	120808		0.008						
		1458+01.30 to 1458+33.48	LT	119910		0.002						
		1458+22.91 to 1460+18.08	RT	192604		0.010						
		1458+85.68 to 1463+53.73	RT	192603		0.054						
		1459+62.19 to 1460+11.05	LT	119804		0.004						
		1459+62.19 to 1460+20.93	LT	120116		0.002						
		1461+26.96 to 1461+41.95	LT	120373		0.001						
		1462+41.52 to 1462+61.53	LT	192439		0.001						
		1462+41.52 to 1462+61.56	LT	192446		0.001						
		1462+77.76 to 1463+23.74	LT	119908		0.002						
		1462+77.76 to 1464+24.57	LT	192454		0.044						
		1462+89.11 to 1463+03.58	RT	120052		0.002						
		1463+76.61 to 1464+37.72	RT	201612		0.004						
		1464+52.86 to 1464+63.65	RT	201628		0.001						

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY ROAD NO. COUNTY FINANCIAL PROJECT ID SR 45 MANATEE 433592-4-58-01			SUMMARY OF QUANTITIES	SHEET NO. SQ-15

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**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 1 1	CLEARING & GRUBBING (CONT'D)	1464+56.83 to 1464+70.59	RT	120451		0.001						
		1464+86.63 to 1468+03.86	RT	192620		0.063						
		1465+74.03 to 1466+62.39	LT	192470		0.011						
		1467+13.06 to 1468+06.31	LT	192475		0.016						
		1468+01.21 to 1468+10.77	RT	192621		0.002						
		1468+42.28 to 1474+06.17	LT	194119		0.116						
		1468+51.25 to 1468+59.43	LT	120090		0.001						
		1468+54.06 to 1472+01.25	RT	201689		0.036						
		1468+77.85 to 1468+93.08	RT	119367		0.001						
		1470+15.01 to 1470+25.01	RT	201653		0.001						
		1473+99.84 to 1474+23.53	LT	120385		0.002						
		1474+06.92 to 1474+39.06	LT	120433		0.001						
		1474+45.12 to 1474+68.44	LT	119887		0.001						
		1474+45.80 to 1474+95.87	LT	120225		0.003						
		1474+74.00 to 1474+85.24	LT	120067		0.001						
		1474+91.26 to 1475+13.96	LT	120392		0.002						
		1475+63.61 to 1476+45.28	LT	120192		0.003						
		1475+87.84 to 1476+36.53	LT	119864		0.003						
		1476+84.57 to 1478+22.52	LT	119333		0.027						
		1478+13.42 to 1478+71.49	LT	194178		0.009						
1478+53.51 to 1480+34.14	LT	120401		0.044								
1480+62.20 to 1482+08.51	LT	201728		0.067								
1481+75.22 to 1482+20.05	RT	201743		0.007								
1482+23.16 to 1482+31.35	LT	201756		0.001								
1482+23.58 to 1482+34.48	LT	201778		0.004								
0110 4 10	REMOVAL OF CONCRETE	1323+30.64 to 1324+05.35	RT	192913	SY		40.2		5645		SIDEWALK	
		1323+95.73 to 1325+36.87	RT	192924			31.1				CURB & GUTTER	
		1324+05.01 to 1324+21.04	RT	194215			1.6				CURB	
		1324+39.36 to 1324+87.27	LT	122127			28.6				SIDEWALK	
		1324+54.34 to 1324+60.77	RT	192934			0.6				CURB	
		1324+60.23 to 1324+89.99	RT	192932			14.3				SIDEWALK	
		1324+86.23 to 1325+51.81	LT	193276			64.1				DRIVEWAY	
		1324+86.23 to 1325+56.54	LT	193277			14.0				CURB & GUTTER	
		1325+22.63 to 1325+33.96	RT	192936			4.6				SIDEWALK	
		1325+48.90 to 1326+40.07	LT	193281			47.4				SIDEWALK	
		1326+23.95 to 1326+97.43	RT	197883			25.4				CURB & GUTTER	
		1326+30.60 to 1327+00.84	LT	193285			15.1				CURB & GUTTER	
		1326+32.50 to 1326+43.07	RT	192973			4.9				SIDEWALK	
		1326+34.41 to 1326+88.28	RT	192998			45.2				DRIVEWAY	
		1326+34.73 to 1326+93.56	LT	193287			66.4				DRIVEWAY	
		1327+93.96 to 1329+64.08	RT	193001			38.2				CURB & GUTTER	
		1327+93.96 to 1328+00.03	RT	193002			3.8				SIDEWALK	
		1328+42.03 to 1329+10.27	LT	193294			14.9				CURB & GUTTER	
		1328+46.23 to 1329+06.73	LT	193293			19.5				DRIVEWAY	
		1329+06.33 to 1329+30.46	LT	193297			8.9				SIDEWALK	
1330+93.05 to 1332+27.93	RT	193021			36.8				CURB & GUTTER			
1330+97.90 to 1331+03.51	RT	193011			3.0				SIDEWALK			
1331+00.85 to 1331+28.28	RT	193005			11.6				DRIVEWAY			
1331+26.35 to 1331+76.47	RT	193018			22.3				SIDEWALK			
1331+58.44 to 1331+70.64	LT	122021			5.2				SIDEWALK			
1331+75.86 to 1331+77.66	RT	193015			0.1				CURB			
1332+16.65 to 1332+27.53	RT	193025			0.9				CURB			

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**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 4 10	REMOVAL OF CONCRETE (CONT'D)	1332+16.70 to 1333+03.93	RT	193028				37.4				SIDEWALK
		1332+39.92 to 1332+64.95	LT	122015				13.3				SIDEWALK
		1332+43.58 to 1332+56.38	LT/RT	218865				14.8				MEDIAN
		1332+93.98 to 1335+27.92	RT	193049				57.2				CURB & GUTTER
		1333+32.93 to 1333+43.00	LT	193305				5.4				SIDEWALK
		1333+32.93 to 1333+75.94	LT	193306				9.5				SIDEWALK
		1333+33.85 to 1333+40.25	RT	193034				0.8				CURB
		1333+39.51 to 1333+69.61	LT	193307				25.3				DRIVEWAY
		1333+39.78 to 1333+62.69	RT	193057				9.4				SIDEWALK
		1333+42.42 to 1333+43.06	LT	193304				0.4				CURB
		1333+65.94 to 1333+66.60	LT	193310				0.4				CURB
		1333+65.98 to 1333+75.94	LT	193312				5.0				SIDEWALK
		1334+69.83 to 1334+91.85	RT	193051				11.1				SIDEWALK
		1334+77.05 to 1335+33.06	LT	193318				12.2				CURB & GUTTER
		1334+82.08 to 1334+87.09	LT	193323				2.7				CURB & GUTTER
		1334+84.05 to 1335+30.06	LT	193317				41.5				SIDEWALK
		1334+86.33 to 1335+23.70	LT	193039				11.0				DRIVEWAY
		1335+18.28 to 1335+29.53	RT	193053				5.3				DRIVEWAY
		1335+27.40 to 1335+33.07	RT	193322				3.0				SIDEWALK
		1335+76.33 to 1335+87.44	RT	193075				5.4				SIDEWALK
		1335+77.80 to 1336+23.02	LT	193076				10.9				SIDEWALK
		1335+84.67 to 1336+19.18	RT	193078				10.2				SIDEWALK
		1336+11.53 to 1336+19.81	RT	193084				1.3				CURB & GUTTER
		1336+13.75 to 1337+15.43	RT	193338				39.8				CURB & GUTTER
		1336+23.19 to 1336+40.37	RT	193341				7.3				DRIVEWAY
		1336+32.42 to 1336+94.35	RT	193332				69.9				CURB
		1336+88.52 to 1337+02.31	LT	193342				6.2				CURB & GUTTER
		1337+91.12 to 1338+37.62	LT	193350				32.3				SIDEWALK
		1338+03.93 to 1338+28.13	LT	193105				11.2				DRIVEWAY
		1338+08.48 to 1342+19.32	LT	193127				99.9				SIDEWALK
		1338+12.46 to 1338+41.72	LT	193351				10.1				SIDEWALK
		1338+79.11 to 1338+95.68	RT	193353				6.2				SIDEWALK
		1338+83.04 to 1339+13.32	RT	193354				31.8				CURB & GUTTER
		1338+83.51 to 1339+04.89	LT	193119				9.3				CURB & GUTTER
		1339+51.83 to 1339+99.49	LT	193113				39.9				CURB & GUTTER
		1339+94.44 to 1342+99.60	LT	193383				80.2				SIDEWALK
		1339+94.45 to 1340+05.33	RT	193386				5.6				SIDEWALK
		1339+94.90 to 1340+40.25	RT	193388				46.5				DRIVEWAY
		1340+42.82 to 1341+47.26	LT	193390				79.6				CURB & GUTTER
		1341+13.19 to 1341+49.56	LT	193401				31.0				SIDEWALK
		1341+44.32 to 1341+88.35	LT	193189				25.0				DRIVEWAY
		1342+04.60 to 1342+56.04	LT	193394				26.7				DRIVEWAY
		1342+58.85 to 1342+97.64	RT	193202				12.6				DRIVEWAY
		1342+60.88 to 1342+71.18	RT	193201				5.4				DRIVEWAY
		1342+83.47 to 1343+01.83	LT	193397				9.7				SIDEWALK
		1343+41.30 to 1344+77.08	RT	193418				29.7				CURB & GUTTER
		1343+43.29 to 1343+51.13	RT	193412				0.4				SIDEWALK
		1343+43.30 to 1343+50.56	LT	193413				3.2				SIDEWALK
		1343+46.00 to 1343+90.08	LT	193415				35.7				CURB & GUTTER
		1343+82.38 to 1344+26.38	LT	193206				9.6				CURB
		1343+85.52 to 1344+16.78	LT	193420				15.9				SIDEWALK
		1343+89.50 to 1344+20.08	LT	193207				38.1				DRIVEWAY

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PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 4 10	REMOVAL OF CONCRETE (CONT'D)	1344+20.32 to 1344+77.08	RT	193422				44.9				CURB & GUTTER
		1345+60.02 to 1345+60.62	LT	122394				0.3				SIDEWALK
		1345+75.82 to 1345+86.50	RT	193440				6.7				DRIVEWAY
		1345+78.69 to 1347+20.38	LT	193457				30.8				DRIVEWAY
		1345+83.84 to 1346+14.13	LT	193441				31.8				CURB
		1346+12.89 to 1346+45.53	LT	193451				2.4				SIDEWALK
		1346+37.04 to 1346+48.03	LT	197877				6.8				CURB & GUTTER
		1346+39.26 to 1347+14.72	LT	197878				16.3				DRIVEWAY
		1346+45.53 to 1346+87.43	LT	193454				23.3				CURB
		1346+46.51 to 1346+76.50	RT	197880				24.8				SIDEWALK
		1347+03.26 to 1347+16.28	RT/LT	218875				14.9				MEDIAN
		1347+60.30 to 1348+54.30	RT	193216				21.2				CURB & GUTTER
		1347+67.97 to 1348+01.48	LT	193217				28.7				DRIVEWAY
		1347+92.67 to 1348+30.83	RT	193476				22.1				DRIVEWAY
		1348+06.86 to 1348+50.12	RT	193219				41.7				CURB & GUTTER
		1348+23.68 to 1348+79.68	RT	193481				12.1				DRIVEWAY
		1348+30.67 to 1348+75.63	LT	193477				24.2				SIDEWALK
		1348+72.49 to 1349+69.63	RT	193479				56.6				DRIVEWAY
		1349+07.30 to 1349+54.30	LT	193223				10.9				CURB & GUTTER
		1349+08.14 to 1349+51.74	LT	193222				40.5				DRIVEWAY
		1349+56.85 to 1349+88.24	LT	121844				17.2				SIDEWALK
		1349+63.48 to 1350+19.48	RT	193485				12.1				CURB & GUTTER
		1350+15.56 to 1350+89.04	RT	193472				6.4				DRIVEWAY
		1350+75.25 to 1352+26.70	RT	193229				68.0				SIDEWALK
		1350+83.05 to 1351+98.82	LT	193487				24.7				CURB & GUTTER
		1350+96.74 to 1351+14.55	LT	193228				8.6				CURB
		1351+86.72 to 1351+98.89	RT	193233				5.3				CURB & GUTTER
		1353+51.36 to 1353+74.61	LT	121798				13.3				CURB & GUTTER
		1353+61.01 to 1353+74.10	LT/RT	218884				14.5				MEDIAN
		1354+45.73 to 1355+52.73	RT	193495				22.6				SIDEWALK
		1354+57.70 to 1354+77.52	RT	193494				27.0				CURB & GUTTER
		1355+01.00 to 1355+13.75	LT	193243				5.9				CURB & GUTTER
		1355+04.87 to 1355+16.64	LT	193244				2.9				CURB & GUTTER
		1355+07.56 to 1355+17.51	LT	193493				5.2				DRIVEWAY
		1355+14.32 to 1355+45.45	RT	193497				13.7				SIDEWALK
		1355+42.58 to 1356+68.66	RT	193500				65.5				CURB & GUTTER
		1355+73.76 to 1355+86.57	LT	193247				3.4				SIDEWALK
		1355+77.33 to 1355+90.19	LT	193248				5.8				DRIVEWAY
		1356+58.53 to 1358+29.63	LT	193540				36.6				SIDEWALK
		1356+64.00 to 1356+69.29	RT	193536				1.6				CURB & GUTTER
		1356+65.09 to 1357+18.71	RT	193537				84.7				SIDEWALK
		1357+27.75 to 1357+28.31	LT	193508				0.4				CURB & GUTTER
		1357+43.39 to 1357+55.32	LT	193551				7.7				CURB
		1357+82.00 to 1358+25.59	LT	193548				51.4				DRIVEWAY
		1358+27.12 to 1358+68.80	LT	193567				21.3				CURB
		1358+58.68 to 1359+05.68	LT	193569				10.2				SIDEWALK
		1358+61.14 to 1359+10.23	LT	193566				65.9				DRIVEWAY
		1358+95.71 to 1358+99.79	LT	193571				0.8				SIDEWALK
		1359+05.13 to 1360+06.19	LT	193603				53.5				CURB & GUTTER
		1359+96.02 to 1360+49.92	LT	193605				12.3				DRIVEWAY
		1360+35.19 to 1360+94.40	LT	193606				30.6				CURB
		1360+81.98 to 1360+97.46	LT	193251				6.8				SIDEWALK

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**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 4 10	REMOVAL OF CONCRETE (CONT'D)	1360+81.98 to 1361+42.55	LT	193253				13.5				CURB & GUTTER
		1360+83.57 to 1361+49.08	LT	193609				19.1				SIDEWALK
		1360+91.72 to 1360+92.86	RT	193578				0.1				SIDEWALK
		1360+95.80 to 1361+32.67	RT	193610				7.7				CURB & GUTTER
		1360+96.20 to 1361+03.49	LT	193252				0.8				CURB & GUTTER
		1361+32.37 to 1361+33.67	LT	193255				0.2				CURB
		1361+33.01 to 1361+43.81	LT	193254				5.3				DRIVEWAY
		1361+61.64 to 1362+18.36	RT	193614				19.4				CURB
		1361+72.03 to 1362+05.03	RT	193613				18.8				CURB
		1362+28.36 to 1362+45.21	RT	193618				4.0				SIDEWALK
		1362+55.19 to 1362+58.63	LT	193595				0.7				CURB & GUTTER
		1362+83.46 to 1362+99.64	LT	193598				7.9				DRIVEWAY
		1362+85.40 to 1363+18.46	LT	193619				18.9				CURB & GUTTER
		1362+96.94 to 1363+08.64	LT	193266				3.1				CURB & GUTTER
		1363+00.40 to 1363+12.27	LT	193267				5.3				CURB & GUTTER
		1430+91.00 to 1430+99.55	LT	193637				7.0				SIDEWALK
		1430+91.00 to 1431+78.73	RT	193638				23.8				CURB & GUTTER
		1430+94.43 to 1431+38.95	RT	193640				38.0				SIDEWALK
		1431+14.43 to 1431+93.30	RT	193915				26.1				SIDEWALK
		1431+20.08 to 1431+37.43	RT	193914				7.2				CURB & GUTTER
		1431+28.72 to 1431+88.14	RT	193917				42.0				DRIVEWAY
		1431+81.03 to 1431+89.87	LT	193922				0.7				CURB & GUTTER
		1431+83.88 to 1431+90.95	LT	193911				2.1				SIDEWALK
		1432+09.29 to 1432+68.30	LT	103746				13.1				DRIVEWAY
		1432+29.77 to 1433+72.59	LT	193645				53.7				CURB
		1433+49.62 to 1434+59.29	LT	193936				23.0				SIDEWALK
		1434+39.68 to 1435+48.11	LT	193937				49.5				CURB & GUTTER
		1434+59.82 to 1434+60.45	RT	193646				0.4				CURB & GUTTER
		1434+72.28 to 1434+95.80	LT	193647				14.9				CURB & GUTTER
		1435+32.74 to 1435+79.78	LT	193938				10.4				SIDEWALK
		1435+40.65 to 1435+68.29	RT	193935				7.3				CURB
		1435+68.27 to 1435+80.76	RT	118915				8.0				SIDEWALK
		1436+15.86 to 1437+12.77	LT	193651				25.1				CURB & GUTTER
		1436+79.97 to 1437+29.97	LT	103762				10.6				DRIVEWAY
		1437+65.97 to 1437+79.10	LT/RT	218893				16.1				MEDIAN
		1438+62.67 to 1439+04.68	LT	100959				7.1				CURB & GUTTER
		1438+71.32 to 1438+72.66	RT	193652				0.3				CURB & GUTTER
		1439+11.05 to 1439+65.04	LT	118900				11.5				CURB & GUTTER
		1439+15.71 to 1439+59.57	RT	193945				53.4				CURB & GUTTER
		1439+22.71 to 1439+26.13	RT	193944				1.0				CURB
		1439+58.24 to 1439+74.06	LT	117317				7.9				CURB & GUTTER
		1440+56.38 to 1442+03.98	LT	193660				31.7				DRIVEWAY
		1440+60.76 to 1441+21.64	LT	193664				19.4				CURB
		1440+99.28 to 1441+43.29	RT	193956				9.2				SIDEWALK
		1441+05.97 to 1441+37.04	RT	193955				42.3				CURB & GUTTER
		1441+69.72 to 1442+04.19	RT	193662				11.5				DRIVEWAY
		1441+90.02 to 1442+58.73	LT	193964				14.7				CURB & GUTTER
		1442+16.95 to 1442+37.51	LT	193658				4.9				DRIVEWAY
		1442+22.56 to 1442+51.23	RT	193961				22.5				DRIVEWAY
		1442+48.17 to 1442+59.89	LT	193962				7.4				CURB & GUTTER
		1442+65.12 to 1443+63.73	RT	117445				25.2				CURB & GUTTER
		1442+92.23 to 1443+10.21	LT	118867				9.6				DRIVEWAY

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REVISIONS																				
DATE	DESCRIPTION																			
<b>SUMMARY OF QUANTITIES</b>																				

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**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 4 10	REMOVAL OF CONCRETE (CONT'D)	1444+38.80 to 1444+39.65	LT	193968				0.3				SIDEWALK
		1444+61.60 to 1445+43.87	RT	193974				17.3				CURB & GUTTER
		1445+30.47 to 1445+43.70	RT/LT	218902				16.3				MEDIAN
		1445+38.79 to 1445+39.33	LT	193969				0.1				CURB
		1445+54.31 to 1446+00.42	LT	193975				9.8				CURB & GUTTER
		1445+54.64 to 1445+55.62	RT	193667				0.6				CURB & GUTTER
		1445+64.57 to 1445+90.59	LT	118850				15.9				CURB
		1445+70.11 to 1445+81.52	LT	193673				6.0				CURB & GUTTER
		1445+70.11 to 1446+14.11	RT	101455				9.4				CURB
		1445+76.76 to 1446+06.65	LT	193674				8.6				DRIVEWAY
		1446+27.56 to 1446+28.02	RT	118954				0.3				SIDEWALK
		1446+30.62 to 1446+89.04	RT	193676				16.8				CURB & GUTTER
		1446+37.11 to 1446+93.11	RT	101475				11.0				DRIVEWAY
		1446+60.23 to 1447+99.43	RT	104731				29.4				CURB
		1447+75.86 to 1447+88.70	RT	101674				3.8				DRIVEWAY
		1448+15.40 to 1449+64.68	RT	104758				30.9				CURB & GUTTER
		1448+20.75 to 1448+38.08	LT	101839				6.9				CURB & GUTTER
		1448+21.16 to 1448+30.99	RT	118964				5.5				CURB & GUTTER
		1449+41.93 to 1450+50.13	LT	101884				23.3				CURB & GUTTER
		1449+48.89 to 1449+79.35	RT	193677				9.5				CURB & GUTTER
		1449+51.16 to 1449+51.84	RT	117571				0.3				SIDEWALK
		1449+55.51 to 1450+12.69	RT	193977				13.3				CURB & GUTTER
		1449+75.83 to 1449+76.47	RT	117577				0.3				DRIVEWAY
		1450+06.13 to 1450+49.11	RT	193984				9.1				CURB
		1450+06.23 to 1450+38.35	LT	193679				9.2				SIDEWALK
		1450+07.74 to 1450+09.07	RT	193678				0.1				CURB
		1450+11.42 to 1450+49.21	LT	193985				33.7				CURB & GUTTER
		1450+32.99 to 1450+36.21	RT	193680				0.5				DRIVEWAY
		1450+49.08 to 1450+84.40	RT	193987				35.0				CURB
		1450+60.70 to 1451+79.55	LT	101896				24.9				DRIVEWAY
		1450+77.81 to 1451+12.65	RT	193682				9.3				CURB
		1450+84.20 to 1451+48.50	LT	193991				65.3				SIDEWALK
		1450+89.22 to 1451+48.50	RT	193994				12.3				CURB & GUTTER
		1451+07.26 to 1451+10.14	RT	117590				0.4				DRIVEWAY
		1451+34.17 to 1451+34.76	LT	117581				0.5				DRIVEWAY
		1451+34.66 to 1451+73.07	LT	193684				12.8				CURB & GUTTER
		1451+42.51 to 1451+49.78	RT	193996				3.2				CURB
		1451+93.40 to 1452+05.08	RT	118641				5.0				CURB
		1451+93.54 to 1452+80.97	RT	194005				19.4				DRIVEWAY
		1451+96.75 to 1452+44.51	LT	118646				35.7				SIDEWALK
		1452+38.51 to 1452+83.83	LT	194004				21.6				SIDEWALK
		1452+68.82 to 1452+97.84	LT	193687				8.8				CURB & GUTTER
		1452+75.35 to 1452+95.21	LT	193686				14.2				DRIVEWAY
		1453+28.76 to 1454+00.45	LT	193694				18.3				SIDEWALK
		1453+31.36 to 1453+49.10	RT	193700				15.2				CURB & GUTTER
		1453+44.19 to 1453+67.92	RT	194011				14.2				SIDEWALK
		1453+49.10 to 1453+92.27	RT	193695				11.5				CURB & GUTTER
		1453+54.15 to 1453+72.01	RT	194012				5.3				SIDEWALK
		1453+89.14 to 1454+43.23	LT	193702				29.0				SIDEWALK
		1454+33.15 to 1454+91.15	RT	101973				13.3				DRIVEWAY
		1454+40.15 to 1454+84.66	LT	193703				11.7				CURB & GUTTER
		1454+81.08 to 1454+95.52	RT	193705				3.9				SIDEWALK

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PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 4 10	REMOVAL OF CONCRETE (CONT'D)	1454+81.10 to 1454+81.87	RT	193704				0.3				CURB & GUTTER
		1455+17.99 to 1455+93.14	RT	193713				30.1				DRIVEWAY
		1455+36.57 to 1455+44.27	RT	193714				2.9				SIDEWALK
		1455+80.66 to 1456+17.03	RT	193716				18.7				CURB
		1457+06.07 to 1457+19.02	RT/LT	218911				15.5				MEDIAN
		1457+07.36 to 1457+22.38	RT	118519				8.4				SIDEWALK
		1457+60.96 to 1457+73.60	RT	118510				6.6				CURB & GUTTER
		1457+63.42 to 1458+11.42	LT	194015				10.7				SIDEWALK
		1457+68.98 to 1458+05.67	LT	194014				11.4				CURB & GUTTER
		1457+69.09 to 1458+23.90	LT	193718				40.2				SIDEWALK
		1457+72.77 to 1458+31.77	LT	101999				13.4				CURB & GUTTER
		1458+01.40 to 1458+16.07	LT	118499				7.4				DRIVEWAY
		1458+20.82 to 1458+28.78	RT	193719				3.7				DRIVEWAY
		1459+07.12 to 1459+37.12	RT	117636				16.3				CURB & GUTTER
		1459+64.19 to 1459+74.45	LT	118482				5.7				SIDEWALK
		1459+79.40 to 1460+21.51	RT	194030				21.7				SIDEWALK
		1459+99.20 to 1461+41.95	RT	194038				32.9				SIDEWALK
		1460+06.07 to 1461+33.13	LT	194032				90.5				SIDEWALK
		1460+11.16 to 1460+67.16	LT	193729				11.9				SIDEWALK
		1460+11.16 to 1460+20.12	LT	193731				4.3				CURB & GUTTER
		1460+17.00 to 1460+58.45	LT	193727				33.7				DRIVEWAY
		1461+14.87 to 1461+33.58	RT	194034				8.5				CURB & GUTTER
		1462+34.54 to 1463+79.11	RT	193749				31.3				SIDEWALK
		1462+41.26 to 1462+59.29	RT	118444				9.4				DRIVEWAY
		1462+42.88 to 1462+45.96	LT	193733				0.3				SIDEWALK
		1462+45.78 to 1462+84.31	RT	193738				11.6				CURB & GUTTER
		1462+77.53 to 1463+31.20	LT	118430				28.5				SIDEWALK
		1462+86.49 to 1463+01.77	RT	193742				1.6				CURB
		1463+24.44 to 1463+97.94	RT	111027				15.7				DRIVEWAY
		1463+42.06 to 1463+77.00	LT	193750				26.8				SIDEWALK
		1463+45.89 to 1463+62.01	RT	118396				7.2				CURB
		1463+68.90 to 1463+78.07	LT	193752				3.5				CURB & GUTTER
		1463+78.32 to 1463+97.93	RT	118402				9.7				DRIVEWAY
		1464+56.07 to 1465+00.08	LT	102284				9.7				SIDEWALK
		1464+56.56 to 1464+66.67	RT	193775				4.0				SIDEWALK
		1464+58.15 to 1464+95.02	LT	193774				27.7				SIDEWALK
		1464+86.39 to 1465+02.69	RT	193777				7.4				CURB & GUTTER
		1465+07.80 to 1465+69.97	RT	193773				3.9				SIDEWALK
		1465+62.85 to 1466+18.85	RT	193772				12.3				DRIVEWAY
		1465+72.27 to 1466+59.14	RT	194061				19.3				SIDEWALK
		1465+73.85 to 1465+87.28	RT	194060				6.9				CURB
		1466+02.31 to 1466+24.75	RT	194064				10.8				CURB & GUTTER
		1466+12.67 to 1466+88.57	LT	117751				5.1				CURB & GUTTER
		1466+23.53 to 1466+51.40	LT	194062				7.4				SIDEWALK
		1466+24.66 to 1466+25.81	LT	194066				0.4				SIDEWALK
		1466+48.92 to 1466+49.67	RT	194069				0.2				CURB
		1466+49.55 to 1466+58.13	LT	194070				4.6				DRIVEWAY
		1466+81.24 to 1467+37.24	LT	103578				12.2				CURB
		1467+11.48 to 1468+05.65	LT	194092				27.7				CURB
		1467+12.80 to 1467+20.91	LT	194088				4.4				SIDEWALK
		1467+20.51 to 1467+52.60	RT	194091				9.3				CURB & GUTTER
		1467+20.91 to 1467+21.57	LT	194087				0.3				CURB & GUTTER

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID																								
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		STA. TO STA.				AREA (AC)	P	F	P	F		
0110 4 10	REMOVAL OF CONCRETE (CONT'D)	1467+32.80 to 1467+91.85	LT	117761				3.8				SIDEWALK
		1467+48.99 to 1467+49.85	LT	194095				0.3				DRIVEWAY
		1467+49.54 to 1467+70.92	LT	194096				11.6				CURB
		1467+75.94 to 1468+10.04	RT	193769				10.5				CURB
		1467+92.96 to 1468+08.03	LT	193770				14.2				CURB
		1468+37.98 to 1468+49.30	LT	194113				5.7				SIDEWALK
		1468+42.81 to 1468+64.37	RT	194110				15.1				CURB & GUTTER
		1468+44.85 to 1468+92.42	RT	193784				14.8				SIDEWALK
		1468+46.80 to 1468+63.25	LT	193783				16.4				CURB & GUTTER
		1468+56.46 to 1469+35.97	LT	194111				16.8				SIDEWALK
		1468+72.67 to 1468+88.81	RT	119058				6.2				CURB & GUTTER
		1471+36.38 to 1471+68.65	RT	111651				7.3				SIDEWALK
		1471+81.37 to 1472+58.00	LT	111663				16.9				CURB & GUTTER
		1472+39.16 to 1473+49.19	RT	193788				17.0				SIDEWALK
		1472+39.18 to 1473+49.15	LT	193787				8.6				CURB & GUTTER
		1473+22.86 to 1474+13.87	LT	194147				18.7				CURB & GUTTER
		1473+73.79 to 1474+01.12	RT	194148				21.3				SIDEWALK
		1473+97.87 to 1475+08.03	RT	194151				62.6				CURB
		1474+03.88 to 1474+04.69	LT	194124				0.1				CURB & GUTTER
		1474+80.10 to 1477+12.14	LT	194157				65.1				DRIVEWAY
		1474+87.36 to 1475+97.64	LT	194163				59.7				SIDEWALK
		1475+08.36 to 1475+10.16	LT	194162				0.1				CURB
		1475+61.86 to 1475+64.69	LT	194138				0.2				CURB & GUTTER
		1475+64.42 to 1476+41.08	LT	194167				40.1				DRIVEWAY
		1476+34.90 to 1476+93.34	LT	194170				59.6				CURB
		1476+85.41 to 1477+54.21	LT	194172				39.1				CURB
		1477+59.82 to 1478+13.46	LT	194176				3.3				SIDEWALK
		1478+07.62 to 1478+85.62	LT	194200				30.1				DRIVEWAY
		1478+60.85 to 1479+02.96	LT	112378				2.6				SIDEWALK
		1479+04.93 to 1479+15.13	LT	112370				0.7				CURB
		1479+23.18 to 1479+77.95	LT	112364				3.5				CURB & GUTTER
		1480+02.65 to 1480+97.30	LT	194202				35.3				CURB
		1480+04.83 to 1480+19.61	LT	194201				6.1				CURB
		1480+16.54 to 1480+77.49	LT	194204				37.1				CURB
		1480+74.66 to 1480+97.26	LT	194211				10.3				CURB & GUTTER

**SUMMARY OF EARTHWORK**

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		CONSTRUCTION REMARKS
		P	F	
0120 1	REGULAR EXCAVATION			
	SR 45 (US 41) FROM STA. 1323+33.12 TO STA. 1363+18.46	370.03		
	SR 45 (US 41) FROM STA. 1429+06.92 TO STA. 1480+92.16	524.04		
	TOTAL REGULAR EXCAVATION	894.1		
0120 6	EMBANKMENT			
	SR 45 (US 41) FROM STA. 1323+33.12 TO STA. 1363+18.46	235.75		
	SR 45 (US 41) FROM STA. 1429+06.92 TO STA. 1480+92.16	189.19		
	TOTAL EMBANKMENT	424.9		

<table border="1"> <thead> <tr><th colspan="2">REVISIONS</th></tr> <tr><th>DATE</th><th>DESCRIPTION</th></tr> </thead> <tbody> <tr><td> </td><td> </td></tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  SQ-22
REVISIONS														
DATE	DESCRIPTION													
		ROAD NO.	COUNTY	FINANCIAL PROJECT ID										
		SR 45	MANATEE	433592-4-58-01										

**SUMMARY OF QUANTITIES**

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

**SUMMARY OF PAVEMENT**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	LENGTH	WIDTH	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION						P	F	P	F		
0160 4	TYPE B STABILIZATION	1338+81.23 to 1338+94.16	APOLLO CENTER DRIVEWAY	RT	120840			SY	6.4		96			
		1338+95.90 to 1339+22.45	WIDENING	RT	170361				17.7					
		1342+30.97 to 1342+45.47	WIDENING	LT	170366				9.7					
		1342+82.13 to 1342+96.64	WIDENING	RT	170371				9.7					
		1441+88.02 to 1442+15.95	WIDENING	LT	170513				18.6					
		1463+14.29 to 1463+38.82	WIDENING	RT	170522				16.3					
		1468+66.68 to 1468+92.42	WIDENING	RT	170394				17.2					
285709	OPTIONAL BASE, BASE GROUP 09	1338+81.23 to 1338+93.38	APOLLO CENTER DRIVEWAY	RT	121339			SY	3.8		93			
		1338+95.90 to 1339+22.45	WIDENING	RT	170437				17.7					
		1342+30.97 to 1342+45.47	WIDENING	LT	170442				9.7					
		1342+82.13 to 1342+96.64	WIDENING	RT	170447				9.7					
		1441+88.02 to 1442+15.95	WIDENING	LT	170454				18.6					
		1463+14.29 to 1463+38.82	WIDENING	RT	170463				16.3					
		1468+66.68 to 1468+92.42	WIDENING	RT	170470				17.2					
0327 70 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	1338+04.51 to 1339+22.45	FLORIDA BLVD. INERSECTION	LT/RT	92632			SY	1181.6		3485			
		1338+21.20 to 1338+86.91	APOLLO CENTER DRIVEWAY	RT	159361				146.7					
		1452+65.82 to 1453+59.10	49TH AVE. DR. W. INTERSECTION	LT/RT	148868				871.6					
		1452+80.97 to 1453+54.15	49TH AVE. DR. W. INTERSECTION	LT	92693				78.5					
		1467+75.94 to 1468+92.42	ORLANDO AVE. INERSECTION	LT/RT	92647				1098.0					
		1467+95.43 to 1468+48.45	ORLANDO AVE. INERSECTION	LT	92665				108.4					
0334 1 15	SUPERPAVE ASPHALTIC CONC, TRAFFIC E	1324+06.68 to 1324+21.04	SIDEWALK TIE-IN	RT	145376			TN	0.62		16.3	2.0" LIFT		
		1329+04.71 to 1329+06.38	SIDEWALK TIE-IN	LT	145384				0.10			2.0" LIFT		
		1338+81.23 to 1338+93.25	WIDENING	RT	121346				0.37			2.0" LIFT		
		1338+95.90 to 1339+22.45	WIDENING	RT	170399				1.95			2.0" LIFT		
		1340+41.98 to 1340+61.85	SIDEWALK TIE-IN	LT	104347				0.56			2.0" LIFT		
		1340+97.94 to 1341+55.17	SIDEWALK TIE-IN	LT	145367				1.82			2.0" LIFT		
		1342+30.97 to 1342+45.47	WIDENING	LT	170404				1.06			2.0" LIFT		
		1342+82.13 to 1342+96.64	WIDENING	RT	170409				1.06			2.0" LIFT		
		1441+88.02 to 1442+15.95	WIDENING	LT	170416				2.05			2.0" LIFT		
		1448+68.57 to 1449+18.67	SIDEWALK TIE-IN	LT	145389				3.03			2.0" LIFT		
		1463+14.29 to 1463+38.82	WIDENING	RT	170425				1.80			2.0" LIFT		
1468+66.68 to 1468+92.42	WIDENING	RT	170432				1.89			2.0" LIFT				
0337 7 88	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC E, FC-12.5, PG 76-22	1338+04.51 to 1339+22.45	FLORIDA BLVD. INERSECTION	LT/RT	92006			TN	97.47		280.1	1.5" LIFT		
		1338+81.23 to 1338+93.25	WIDENING	RT	121366				0.27			1.5" LIFT		
		1342+30.97 to 1342+45.47	WIDENING	LT	170366				0.80			1.5" LIFT		
		1342+82.13 to 1342+96.64	WIDENING	RT	170371				0.80			1.5" LIFT		
		1441+88.02 to 1442+15.95	WIDENING	LT	170513				1.54			1.5" LIFT		
		1452+65.82 to 1453+59.10	49TH AVE. DR. W. INTERSECTION	LT/RT	148883				71.90			1.5" LIFT		
		1452+80.97 to 1453+54.15	49TH AVE. DR. W. INTERSECTION	LT	92067				6.48			1.5" LIFT		
		1463+14.29 to 1463+38.82	WIDENING	RT	170522				1.35			1.5" LIFT		
		1467+75.94 to 1468+92.42	ORLANDO AVE. INERSECTION	LT/RT	92021				90.59			1.5" LIFT		
1467+95.43 to 1468+48.45	ORLANDO AVE. INERSECTION	LT	92039				8.94			1.5" LIFT				

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.  SQ-23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

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**SUMMARY OF MISCELLANEOUS ASPHALT PAVEMENT**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	THICK (IN)	UNDER GUARDRAIL		OTHER		DESIGN NOTES	CONSTRUCTION REMARKS
						0339	1	0339	1		
						TN		TN			
P	F	P	F								
1470+07.01 to 1470+38.00	LT	172774				0.86					
1470+66.74 to 1472+16.26	LT	172757				4.32					
1324+06.68 to 1324+21.04	RT	175222						0.57		PROPOSED TIE-IN	
1329+04.71 to 1329+06.38	LT	175217						0.09		PROPOSED TIE-IN	
1340+41.98 to 1340+61.94	LT	175210						0.51		PROPOSED TIE-IN	
1340+97.94 to 1341+55.17	LT	175201						1.65		PROPOSED TIE-IN	
1448+68.57 to 1449+18.67	LT	175192						2.75		PROPOSED TIE-IN	
1473+16.64 to 1473+28.85	LT	175112						0.32		PROPOSED TIE-IN	
SUB-TOTAL						5.18		5.89			
TOTAL						5.2		5.9			
GRAND TOTAL:						11.1					

**SUMMARY OF STRUCTURE QUANTITIES**

SECTION	PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			STA.	TO STA.		P	F	P	F		
RAILING/ BARRIER	0400 4 11	CONC CLASS IV, RETAINING WALLS	1470+38.00	to 1471+01.00	CY	0.2		0.2		WINGWALL REPAIR	
	0415 1 3	REINFORCING STEEL- RETAINING WALL	1470+38.00	to 1471+01.00	LB	10.0		10		WINGWALL REPAIR	
	0521 8 3	CONCRETE TRAFFIC RAILING BARRIER, WITH JUNCTION SLAB, 32" VERTICAL FACE	1470+38.00	to 1471+01.00	LF	63.0		63			

**SUMMARY OF WALLS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA.	TO STA.			P	F	P	F		
0400 0 11	CONCRETE CLASS NS, GRAVITY WALL	1332+40.47	to 1332+55.47	RT	CY	1.65		6.9			
		1335+17.96	to 1335+29.53	RT		1.75				SCHEME 1: 2-FT HEIGHT	
		1335+76.34	to 1335+87.82	RT		3.46				SCHEME 1: 2-FT HEIGHT	

**SUMMARY OF RAILING**

LOCATION  STA. TO STA.	SIDE	PIPE HANDRAIL - GUIDERAIL, STEEL		PED/BICYCLE RAILING		BULLET RAIL - SINGLE RAIL		DESIGN NOTES	CONSTRUCTION REMARKS
		0515	1 1	0515	2211	0515	4 1		
		LF		LF		LF			
P	F	P	F	P	F				
1438+17.13 to 1438+38.13	LT	21.0							
1434+93.62 to 1435+33.62	LT			40.0					
1470+38.00 to 1471+01.00	LT					63.0			
TOTAL:		21		40		63			

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

**MANATEE COUNTY**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**SUMMARY OF QUANTITIES**

SHEET NO.

SQ-24

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

**SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
							TYPE	LENGTH	P	F				
0520 1 7	CONCRETE CURB & GUTTER, TYPE E				LF					156				
		1332+43.58 to 1332+56.37	RT			12.8			12.8					
		1332+43.58 to 1332+56.37	LT			12.8			12.8					
		1347+03.26 to 1347+16.28	LT			13.0			13.0					
		1347+03.26 to 1347+16.28	RT			13.0			13.0					
		1353+61.02 to 1353+74.10	LT			13.1			13.1					
		1353+61.02 to 1353+74.10	RT			13.1			13.1					
		1437+65.97 to 1437+79.12	LT			13.1			13.1					
		1437+65.97 to 1437+79.12	RT			13.1			13.1					
		1445+30.47 to 1445+43.79	LT			13.3			13.3					
		1445+30.47 to 1445+43.79	RT			13.3			13.3					
		1457+06.07 to 1457+19.02	LT			12.9			12.9					
		1457+06.07 to 1457+19.02	RT			12.9			12.9					
0520 1 10	CONCRETE CURB & GUTTER, TYPE F				LF					8259				
		1323+95.76 to 1325+36.87	RT	95639		138.0			138.0					
		1324+86.36 to 1325+56.54	LT	95649		71.0			71.0					
		1326+23.95 to 1326+97.43	RT	95648		73.5			73.5					
		1326+30.60 to 1327+00.84	LT	95650		70.3			70.3					
		1327+93.96 to 1329+62.62	RT	95651		177.5			177.5					
		1328+36.47 to 1328+48.05	LT	134170		11.6			11.6					
		1330+93.05 to 1332+27.92	RT	95653		134.9			134.9					
		1332+93.98 to 1335+27.92	RT	95657		234.0			234.0					
		1333+32.93 to 1333+75.93	LT	95658		43.0			43.0					
		1334+77.05 to 1335+33.05	LT	95659		56.0			56.0					
		1335+77.80 to 1336+23.02	RT	95660		45.2			45.2					
		1336+13.76 to 1336+44.70	LT	95661		35.4			35.4					
		1336+16.76 to 1337+15.43	LT	95662		98.7			98.7					
		1336+84.48 to 1337+12.43	LT	95663		32.4			32.4					

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REVISIONS																						
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**SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
							TYPE	LENGTH	P	F				
0520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	1338+08.48 to 1338+35.86	RT	95665	LF	36.8			36.8					
		1338+08.48 to 1339+03.06	RT	120040		94.6			94.6					
		1338+12.46 to 1338+40.14	LT	95666		54.6			54.6					
		1338+79.57 to 1340+14.55	RT	95671		153.1			153.1					
		1338+79.99 to 1338+95.47	LT	95668		44.5			44.5					
		1339+94.44 to 1342+99.60	LT	109437		305.2			305.2					
		1341+10.63 to 1342+17.86	RT	134189		114.4			114.4					
		1342+60.35 to 1342+97.64	RT	109433		51.8			51.8					
		1343+41.30 to 1344+77.08	LT	95691		135.8			135.8					
		1343+82.38 to 1344+26.38	RT	95692		44.0			44.0					
		1345+78.69 to 1347+20.38	LT	95694		141.7			141.7					
		1346+39.26 to 1347+14.72	RT	95695		75.5			75.5					
		1347+60.30 to 1348+54.30	RT	95696		94.0			94.0					
		1348+21.68 to 1348+81.68	LT	134169		60.0			60.0					
		1349+07.30 to 1349+54.30	RT	95698		47.0			47.0					
		1349+63.48 to 1350+19.48	LT	95699		56.0			56.0					
		1350+75.25 to 1351+16.11	RT	95700		44.8			44.8					
		1350+75.25 to 1352+26.70	RT	144861		151.5			151.5					
		1350+83.05 to 1351+48.39	LT	95704		65.4			65.4					
		1351+84.20 to 1352+21.32	RT	95703		41.0			41.0					
		1354+48.73 to 1355+52.73	LT	134168		104.0			104.0					
		1355+05.23 to 1355+15.64	RT	95710		13.5			13.5					
		1355+74.78 to 1355+86.32	RT	109441		15.1			15.1					
		1356+58.53 to 1358+29.63	LT	95711		171.1			171.1					
		1358+58.68 to 1359+11.68	LT	134174		53.0			53.0					
		1359+96.02 to 1360+49.92	LT	95713		53.9			53.9					
		1360+81.98 to 1361+42.55	RT	95714		60.6			60.6					
		1360+83.57 to 1362+18.36	LT	95715		134.8			134.8					
		1362+28.38 to 1362+61.75	LT	144868		52.0			52.0					
		1362+84.88 to 1362+99.64	LT	95717		33.2			33.2					
		1362+98.21 to 1363+08.49	RT	95718		14.8			14.8					
		1430+91.00 to 1431+78.73	RT	95720		87.8			87.8					
		1431+14.43 to 1431+93.30	LT	95721		78.9			78.9					
		1432+09.29 to 1432+68.29	LT	95722		59.0			59.0					
		1432+29.77 to 1433+72.59	RT	95723		142.9			142.9					
		1433+49.61 to 1434+59.29	LT	95724		109.7			109.7					
		1435+32.75 to 1435+79.78	LT	95725		47.0			47.0					
		1436+15.86 to 1437+12.77	RT	95726		96.9			96.9					
		1436+79.97 to 1437+29.97	LT	95727		50.0			50.0					
		1438+62.68 to 1439+04.68	RT	95730		42.0			42.0					
		1439+11.05 to 1439+65.04	LT	95731		54.0			54.0					
		1440+56.38 to 1442+03.98	RT	95732		147.6			147.6					
		1440+99.28 to 1441+43.28	LT	95733		44.0			44.0					
		1441+90.03 to 1442+58.73	LT	109438		68.7			68.7					
		1442+17.01 to 1442+36.06	RT	95736		25.9			25.9					
		1442+66.68 to 1443+63.73	RT	95737		108.3			108.3					
		1444+61.60 to 1445+43.87	LT	95738		82.3			82.3					
		1445+54.31 to 1446+00.42	LT	95740		46.1			46.1					
		1445+70.11 to 1446+93.11	RT	95741		123.0			123.0					

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REVISIONS																								
DATE	DESCRIPTION	DATE	DESCRIPTION																					

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**SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
							TYPE	LENGTH	P	F				
0520 1 10	CONCRETE CURB & GUTTER, TYPE F (CONT'D)	1446+60.22 to 1447+99.43	LT	95742	LF	139.2			139.2					
		1447+76.00 to 1447+88.86	RT	95743		18.5			18.5					
		1448+15.40 to 1449+64.68	LT	95745		149.3			149.3					
		1448+22.26 to 1448+38.07	RT	95744		29.8			29.8					
		1449+41.93 to 1450+50.13	RT	95746		108.2			108.2					
		1450+06.13 to 1450+49.11	LT	95748		43.0			43.0					
		1450+60.70 to 1451+79.55	RT	95747		118.9			118.9					
		1450+89.22 to 1451+48.50	LT	95749		59.3			59.3					
		1451+93.54 to 1452+85.25	LT	95750		98.8			98.8					
		1452+68.82 to 1452+96.03	RT	95752		41.1			41.1					
		1452+70.81 to 1452+80.14	LT	95751		9.3			9.3					
		1453+30.28 to 1454+00.45	RT	95754		84.2			84.2					
		1453+42.87 to 1453+72.01	LT	109428		31.3			31.3					
		1453+54.15 to 1453+72.01	LT	95753		17.9			17.9					
		1454+33.15 to 1454+91.15	RT	95755		58.0			58.0					
		1455+17.99 to 1455+93.14	RT	95756		75.2			75.2					
		1457+62.77 to 1458+31.77	RT	134172		69.0			69.0					
		1457+63.42 to 1458+11.42	LT/RT	95759		48.0			48.0					
		1459+99.20 to 1460+21.12	LT/RT	95762		24.1			24.1					
		1460+02.20 to 1461+38.95	LT/RT	95764		136.8			136.8					
		1460+11.16 to 1460+67.16	RT	95761		56.0			56.0					
		1461+15.25 to 1461+41.95	LT/RT	95763		28.3			28.3					
		1462+34.54 to 1463+79.11	RT	109439		144.6			144.6					
		1463+24.44 to 1463+97.93	LT/RT	95771		73.5			73.5					
		1464+56.07 to 1465+00.07	RT	95772		44.0			44.0					
		1465+62.85 to 1466+18.85	RT	95773		56.0			56.0					
		1465+72.27 to 1466+59.14	LT/RT	95774		86.9			86.9					
		1466+81.24 to 1467+37.24	RT	95775		56.0			56.0					
		1467+11.49 to 1467+96.81	LT/RT	95776		85.3			85.3					
		1467+75.94 to 1468+08.46	RT	95778		46.9			46.9					
		1467+80.60 to 1468+04.15	LT/RT	95777		39.9			39.9					
		1468+39.49 to 1468+48.85	LT/RT	144878		23.2			23.2					
		1468+46.36 to 1468+92.42	RT	109440		64.4			64.4					
		1468+56.97 to 1469+35.97	LT/RT	144869		79.1			79.1					
		1471+36.38 to 1471+68.65	LT/RT	95798		32.3			32.3					
		1471+81.38 to 1472+58.00	LT/RT	95782		76.6			76.6					
		1472+02.00 to 1472+13.53	LT/RT	95783		13.8			13.8					
		1472+44.44 to 1472+56.00	LT/RT	95784		13.8			13.8					
		1473+19.86 to 1474+13.86	LT/RT	134173		94.0			94.0					
		1474+80.10 to 1475+10.16	LT/RT	95786		32.5			32.5					
		1474+86.11 to 1477+12.14	LT/RT	95787		226.1			226.1					
		1475+61.87 to 1475+90.99	LT/RT	95793		31.1			31.1					
		1476+23.47 to 1476+43.16	LT/RT	95792		24.4			24.4					
		1476+82.54 to 1477+09.14	LT/RT	95791		30.2			30.2					
		1478+07.62 to 1478+91.20	LT/RT	134230		83.6			83.6					
		1478+08.63 to 1478+20.62	LT/RT	150998		29.9			29.9					
		1478+53.58 to 1478+87.20	LT/RT	150997		36.9			36.9					
		1480+02.65 to 1480+97.27	LT/RT	95795		94.6			94.6					
		1480+05.65 to 1480+23.09	LT/RT	95796		20.3			20.3					
		1480+69.87 to 1480+88.87	LT/RT	95797		21.2			21.2					

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION							JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324		MANATEE COUNTY ROAD NO. COUNTY FINANCIAL PROJECT ID SR 45 MANATEE 433592-4-58-01		SUMMARY OF QUANTITIES		SHEET NO. SQ-27
REVISIONS																				
DATE	DESCRIPTION																			

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

**SUMMARY OF CURB & GUTTER AND/OR TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
		STA. TO STA.				GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
							TYPE	LENGTH	P	F				
0520 2 4	CONCRETE CURB, TYPE D				LF					1689				
		1326+86.51 to 1326+97.10	RT			14.4			14.4					
		1330+95.27 to 1331+03.05	RT			7.8			7.8					
		1332+13.66 to 1332+13.66	RT			2.0			2.0					
		1332+13.66 to 1332+18.15	RT			4.5			64.4					
		1332+13.66 to 1332+23.66	RT			15.7			6.0					
		1332+23.66 to 1332+27.53	RT			3.9			6.0					
		1332+18.15 to 1332+99.59	RT			81.4			81.4					
		1332+99.59 to 1333+03.98	RT			4.4			4.4					
		1333+42.94 to 1333+42.94	LT			6.0			6.0					
		1333+65.94 to 1333+65.95	LT			6.0			6.0					
		1333+36.01 to 1333+97.08	RT			64.4			64.4					
		1336+10.03 to 1336+12.78	RT			13.0			13.0					
		1339+94.73 to 1340+04.45	LT			12.9			12.9					
		1343+43.30 to 1343+51.08	LT			8.0			8.0					
		1347+96.30 to 1348+19.30	RT			23.0			23.0					
		1356+33.26 to 1356+57.57	LT			24.3			24.3					
		1358+19.64 to 1358+71.69	LT			52.1			52.1					
		1360+92.09 to 1360+93.58	LT			4.9			4.9					
		1361+29.58 to 1361+49.08	LT			23.1			23.1					
		1433+76.61 to 1434+06.31	LT			29.7			29.7					
		1446+03.76 to 1446+04.11	RT			7.9			7.9					
		1445+07.59 to 1445+74.42	LT			66.8			66.8					
		1455+36.57 to 1455+49.44	RT			12.9			12.9					
		1474+71.24 to 1474+71.29	LT			2.0			2.0					
		1474+66.67 to 1474+66.70	LT			2.0			2.0					
		1472+39.20 to 1473+49.14	RT			110.0			110.0					
		1430+98.10 to 1431+04.95	RT			13.6			13.6					
		1431+81.18 to 1432+22.28	LT			41.3			41.3					
		1433+47.74 to 1434+60.44	RT			144.4			144.4					
		1434+77.28 to 1436+36.60	RT			161.0			161.0					
		1436+97.87 to 1437+08.48	RT			13.1			13.1					
		1438+94.66 to 1439+05.40	RT			11.0			11.0					
		1443+49.76 to 1445+55.56	RT			208.4			208.4					
		1449+41.20 to 1449+51.84	RT			11.5			11.5					
		1454+81.36 to 1454+93.55	RT			12.8			12.8					
		1462+86.73 to 1463+01.77	RT			15.2			15.2					
		1466+02.15 to 1466+25.16	LT			26.7			26.7					
		1463+27.64 to 1463+31.13	LT			3.5			3.5					
		1438+38.13 to 1439+26.10	LT			94.3			94.3					
		1467+48.80 to 1467+74.89	LT			27.2			27.2					
		1478+20.40 to 1478+20.62	LT			13.4			13.4					
		1478+53.58 to 1478+60.15	LT			9.0			9.0					
		1478+19.43 to 1478+20.39	LT			3.0			3.0					
		1478+60.15 to 1478+61.09	LT			1.0			1.0					
		1478+61.09 to 1478+85.61	LT			24.5			24.5					
		1478+85.61 to 1479+93.87	LT			108.3			108.3					
		1477+51.10 to 1478+17.64	LT			66.5			66.5					
		1478+17.64 to 1478+19.43	LT			2.2			2.2					
		1448+30.87 to 1448+38.47	RT			13.5			13.5					
		1448+30.87 to 1448+30.91	RT			2.3			2.3					
		1463+31.13 to 1463+37.41	LT			6.3			6.3					

REVISIONS DATE DESCRIPTION DATE DESCRIPTION				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY ROAD NO. COUNTY FINANCIAL PROJECT ID SR 45 MANATEE 433592-4-58-01			SUMMARY OF QUANTITIES	SHEET NO. SQ-28

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

**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
P	F	P	F	P	F							
1323+30.64 to 1324+17.63	RT	138272			55.0							
1324+39.36 to 1324+96.28	LT	207948			37.1							
1325+22.54 to 1325+33.96	RT	138283			5.5							
1325+31.55 to 1326+40.60	LT	138289			70.8							
1326+32.50 to 1326+43.51	RT	138303			6.0							
1326+76.60 to 1328+48.06	LT	207926			112.3							
1326+86.51 to 1326+97.43	RT	207962			6.7							
1327+93.96 to 1328+06.65	RT	138309			7.1							
1329+06.38 to 1329+30.46	LT	208000			11.7							
1329+33.15 to 1329+43.61	RT	138321			5.5							
1330+97.90 to 1331+03.05	RT	138210			2.7							
1331+27.05 to 1331+77.66	RT	138327			31.0							
1331+58.44 to 1331+70.64	LT	207921			6.4							
1332+13.66 to 1333+03.98	RT	217218			49.8							
1332+39.92 to 1332+64.95	LT	217234			13.2							
1333+32.93 to 1333+42.94	LT	138338			5.3							
1333+39.48 to 1333+97.09	RT	138344			31.7							
1333+65.94 to 1333+75.94	LT	138193			5.3							
1334+33.08 to 1334+92.29	RT	138180			37.6							
1334+82.08 to 1334+87.07	LT	138174			2.6							
1335+17.92 to 1335+29.53	RT	138357			6.4							
1335+23.06 to 1335+33.07	LT	138351			5.4							
1335+76.33 to 1335+87.82	RT	138166			6.3							
1336+10.03 to 1336+21.21	RT	138366			5.9							
1336+23.19 to 1336+40.98	LT	137563			8.3							
1336+88.27 to 1337+02.31	LT	139048			6.2							
1337+91.12 to 1338+12.48	LT	138158			13.4							
1338+93.95 to 1339+13.32	LT	138375			16.5							
1339+06.35 to 1339+60.44	RT	138142			33.6							
1339+90.44 to 1340+14.55	RT	207971			16.6							
1339+94.45 to 1340+04.45	LT	138135			5.3							
1340+34.45 to 1340+61.94	LT	207909			15.3							
1340+97.94 to 1341+55.17	LT	207896			35.9							
1341+14.55 to 1341+18.63	RT	207983			2.3							
1341+48.63 to 1341+99.72	RT	207988			32.9							
1341+91.16 to 1342+55.99	LT	138420			39.6							
1342+76.87 to 1343+92.38	RT	138092			74.5							
1342+83.48 to 1343+01.83	LT	138109			10.0							
1343+43.30 to 1343+51.30	LT	138441			4.2							
1343+85.29 to 1344+25.11	LT	138448			24.2							
1344+16.38 to 1346+21.63	RT	138076			134.7							
1344+56.11 to 1345+60.62	LT	138461			67.6							
1345+75.82 to 1345+88.68	LT	138066			7.4							
1346+12.68 to 1346+44.53	LT	138472			22.8							
1346+37.11 to 1346+49.26	RT	138059			8.0							
1346+70.53 to 1348+31.69	LT	208036			104.7							
1346+74.26 to 1347+70.30	RT	139057			61.7							
SUB-TOTAL:					1273.0							
TOTAL:					5115	467	588					

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

<b>SUMMARY OF QUANTITIES</b>		SHEET NO. SQ-29
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
P	F	P	F	P	F							
1347+96.30 to 1348+19.30	RT	138479			14.9							
1348+44.30 to 1349+20.29	RT	138040			47.2							
1348+71.68 to 1349+73.49	LT	138488			64.8							
1349+44.28 to 1349+88.24	RT	138028			25.0							
1350+09.48 to 1351+02.38	LT	138506			59.7							
1350+96.74 to 1351+14.66	RT	140179			8.0							
1351+38.38 to 1351+63.34	LT	207830			14.1							
1351+85.79 to 1351+98.89	RT	140163			5.3							
1353+26.70 to 1354+58.71	LT	207874			85.9							
1353+51.36 to 1353+74.61	RT	217240			13.7							
1354+94.70 to 1355+17.72	LT	208056			16.4							
1355+01.00 to 1355+13.93	RT	139076			5.7							
1355+42.71 to 1356+68.53	LT	137986			82.0							
1355+77.28 to 1355+90.19	RT	137498			5.7							
1356+95.86 to 1356+99.93	LT	140150			0.7							
1357+04.53 to 1357+28.31	LT	138540			14.9							
1357+43.39 to 1357+95.64	LT	137977			33.7							
1358+19.64 to 1358+71.69	LT	207797			39.5							
1359+01.69 to 1360+06.01	LT	208065			67.9							
1360+38.01 to 1360+93.58	LT	138565			34.8							
1360+81.98 to 1361+00.55	RT	137951			10.3							
1361+29.58 to 1361+71.64	LT	137937			25.8							
1361+32.55 to 1361+43.81	RT	138579			6.0							
1362+03.64 to 1362+38.05	LT	207815			21.2							
1362+99.63 to 1363+18.46	LT	137929			13.1							
1430+91.00 to 1431+04.95	RT	138598			10.5							
1431+20.08 to 1431+39.30	LT	138609			10.5							
1431+28.95 to 1431+52.73	RT	137920			15.6							
1431+68.73 to 1432+39.77	RT	138615			43.6							
1431+80.29 to 1432+22.29	LT	137906			29.6							
1432+58.28 to 1433+59.61	LT	138634			65.3							
1432+63.77 to 1433+11.59	RT	137892			29.6							
1433+47.59 to 1434+60.44	RT	138647			74.1							
1433+76.61 to 1434+06.31	LT	137885			20.8							
1434+39.31 to 1435+47.79	LT	137875			63.0							
1434+72.28 to 1436+36.77	RT	138659			109.6							
1435+69.79 to 1435+80.76	LT	137868			6.0							
1436+18.90 to 1436+88.97	LT	138674			40.5							
1436+97.77 to 1438+72.67	RT	139085			113.0							
1437+19.97 to 1439+26.09	LT	207763			131.8							
1438+94.66 to 1439+74.06	RT	137857			50.6							
1439+50.08 to 1441+09.28	LT	138687			103.9							
1440+54.00 to 1440+66.37	RT	137851			6.7							
1441+22.37 to 1441+66.97	RT	138701			27.4							
1441+33.27 to 1442+24.72	LT	137837			57.0							
1441+90.96 to 1442+17.02	RT	138715			14.2							
1442+48.71 to 1442+59.89	LT	137829			6.3							
1442+86.18 to 1443+12.73	RT	137820			16.6							
<b>SUB-TOTAL:</b>					1762.5							

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

<b>SUMMARY OF QUANTITIES</b>	
SQ-30	

SHEET NO.  
SQ-30

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

**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
P	F	P	F	P	F							
1442+92.23 to 1443+10.21	LT	138727			12.0							
1443+37.49 to 1444+71.59	LT	137811			88.2							
1443+48.73 to 1445+55.56	RT	217257			142.8							
1445+07.59 to 1445+74.42	LT	217248			36.8							
1445+74.52 to 1445+80.11	RT	137806			2.9							
1445+90.42 to 1446+70.23	LT	137793			50.9							
1446+04.11 to 1446+47.11	RT	138732			26.8							
1446+83.11 to 1447+73.26	RT	137780			59.5							
1447+06.23 to 1447+47.71	LT	138746			25.4							
1447+83.71 to 1448+32.58	LT	138759			28.3							
1448+42.48 to 1449+51.93	RT	137766			69.7							
1448+68.57 to 1449+18.68	LT	138776			31.1							
1449+54.67 to 1450+16.13	LT	137753			38.7							
1449+75.92 to 1450+09.00	RT	208178			20.4							
1450+33.00 to 1450+83.00	RT	137735			29.6							
1450+36.11 to 1450+99.22	LT	138802			38.9							
1451+07.00 to 1451+34.76	RT	137726			19.1							
1451+35.22 to 1451+49.78	LT	138819			8.1							
1451+69.55 to 1452+72.37	RT	137710			66.6							
1451+93.40 to 1452+06.54	LT	137720			7.2							
1452+38.53 to 1452+63.81	LT	138826			15.7							
1453+55.72 to 1453+66.45	RT	138835			5.7							
1453+90.45 to 1454+43.16	RT	137697			32.9							
1454+81.16 to 1454+95.52	RT	208194			7.8							
1455+36.57 to 1455+49.44	RT	137691			6.4							
1455+80.63 to 1456+17.03	RT	138848			21.2							
1456+47.06 to 1457+72.78	RT	217287			82.7							
1457+07.36 to 1457+22.38	LT	217281			8.4							
1457+60.96 to 1457+73.40	LT	137681			6.8							
1458+01.39 to 1458+16.07	LT	138861			8.0							
1458+18.77 to 1458+28.78	RT	137675			5.4							
1459+07.12 to 1459+37.12	RT	138867			21.9							
1459+64.19 to 1459+74.45	LT	137669			6.0							
1459+79.41 to 1460+20.18	LT	139170			20.7							
1460+11.16 to 1460+21.17	RT	137663			5.3							
1460+57.17 to 1462+44.54	RT	138874			124.2							
1461+16.05 to 1461+33.58	LT	137445			6.7							
1462+41.26 to 1462+59.29	LT	138889			9.4							
1462+77.49 to 1463+02.20	LT	207707			13.3							
1462+80.54 to 1463+51.61	RT	138894			43.7							
1463+27.64 to 1463+37.43	LT	208497			5.3							
1463+66.11 to 1463+76.11	RT	137638			5.4							
1463+67.41 to 1463+97.93	LT	138916			16.7							
1464+56.56 to 1464+69.05	RT	137632			6.8							
1464+84.03 to 1465+72.83	RT	138923			55.5							
1465+73.85 to 1465+87.15	LT	137626			7.2							
1466+02.15 to 1466+25.15	LT	138941			14.9							
1466+08.82 to 1466+91.25	RT	138951			52.7							
<b>SUB-TOTAL:</b>					<b>1419.7</b>							

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

<b>SUMMARY OF QUANTITIES</b>	
SHEET NO. <b>SQ-31</b>	

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



**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY		SY		SF			
P	F	P	F	P	F							
1466+49.15 to 1466+58.13	LT	137620			4.8							
1467+12.80 to 1467+21.50	LT	137614			4.7							
1467+27.25 to 1467+82.64	RT	137604			35.8							
1467+48.76 to 1467+77.87	LT	231142			23.3							
1468+70.78 to 1468+88.81	RT	208244			14.2							
1468+72.85 to 1472+12.94	LT	208475			223.2							
1472+39.16 to 1473+49.19	RT	208254			16.9							
1472+45.03 to 1473+29.86	LT	208433			52.6							
1473+56.86 to 1473+79.86	LT	137575			14.9							
1474+03.86 to 1475+08.22	LT	139184			57							
1475+64.13 to 1476+41.70	LT	139208			38.9							
1476+85.02 to 1478+20.62	LT	208405			72.1							
1478+56.61 to 1480+20.27	LT	208290			89.4							
1480+73.55 to 1480+97.26	LT	137410			11.6							
1324+54.59 to 1324+89.88	RT	217173					24.7					
1329+43.15 to 1329+61.45	RT	142228					12.4					
1332+43.58 to 1332+56.37	LT/RT	142236					8.4					
1338+03.93 to 1338+35.38	LT/RT	142369					30.0					
1338+12.46 to 1338+38.95	LT/RT	142250					27.7					
1338+80.19 to 1339+06.36	LT/RT	142262					23.6					
1338+80.77 to 1338+95.42	LT/RT	142318					22.5					
1341+99.71 to 1342+16.61	RT	142208					10.7					
1342+60.85 to 1342+67.61	RT	208629					4.8					
1342+61.49 to 1342+76.88	RT	142197					10.0					
1347+03.26 to 1347+16.28	LT/RT	142284					8.4					
1353+61.02 to 1353+74.10	LT	142292					8.0					
1362+38.05 to 1362+54.86	LT	142189					8.4					
1362+85.96 to 1362+99.64	LT/RT	142179					7.5					
1363+00.31 to 1363+12.26	RT	142302					5.6					
1437+65.97 to 1437+79.12	LT/RT	230589					9.5					
1442+16.54 to 1442+33.10	RT	142292					9.2					
1442+69.13 to 1442+86.18	RT	142189					10.2					
1445+30.47 to 1445+43.79	LT/RT	230595					9.6					
1447+73.26 to 1447+87.32	RT	142179					7.9					
1448+22.64 to 1448+42.48	RT	142302					20.5					
1452+63.81 to 1452+84.40	LT	142168					13.4					
1452+72.36 to 1452+95.53	RT	142156					18.4					
1453+30.81 to 1453+56.45	RT	142142					20.0					
1453+43.71 to 1453+67.92	LT	142219					18.9					
1457+06.07 to 1457+19.02	LT/RT	230600					9.0					
1467+77.87 to 1468+03.35	LT	231566					24.7					
1467+82.64 to 1468+07.97	RT	142355					34.4					
1468+40.95 to 1468+72.86	LT	142113					22.9					
1468+46.86 to 1468+71.77	RT	142129					25.4					
1329+56.04 to 1329+61.03	RT	109718							11.9			
1336+32.88 to 1336+40.00	LT	102430							13.6			
1336+89.20 to 1336+96.31	LT	102437							13.6			
1338+15.70 to 1338+20.15	RT	102373							8.0			
<b>SUB-TOTAL:</b>					659.4		466.7		47.1			

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

MANATEE COUNTY		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

<b>SUMMARY OF QUANTITIES</b>	
SHEET NO. SQ-32	

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

**SUMMARY OF SIDEWALK & DETECTABLE WARNINGS**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	CONC SIDEWALK 4"		CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
					0522 1		0522 2		0527 2			
					SY	F	SY	F	SF	F		
1338+18.93 to 1338+23.19	LT	102400							7.6			
1338+30.71 to 1338+35.00	RT	102367							10.6			
1338+35.63 to 1338+37.63	LT	102405							8.0			
1338+80.36 to 1338+83.80	RT	102475							9.8			
1338+81.95 to 1338+83.95	LT	102389							8.0			
1338+89.75 to 1338+93.75	LT	102395							8.0			
1338+96.38 to 1339+00.57	RT	102481							7.7			
1342+10.61 to 1342+16.08	RT	102466							12.0			
1342+61.95 to 1342+66.55	RT	160451							10.3			
1351+07.70 to 1351+13.66	RT	102443							11.0			
1351+86.80 to 1351+92.90	RT	102450							11.2			
1355+07.00 to 1355+13.03	RT	102455							11.6			
1355+78.26 to 1355+84.19	RT	102460							11.5			
1362+44.50 to 1362+50.03	RT	135708							11.2			
1362+47.94 to 1362+53.89	LT	144879							10.6			
1362+90.11 to 1362+92.11	LT	135710							8.0			
1363+00.98 to 1363+06.27	RT	102418							10.8			
1442+25.28 to 1442+32.31	RT	102624							14.0			
1442+69.78 to 1442+76.00	RT	102618							12.9			
1447+80.26 to 1447+86.65	RT	102630							13.1			
1448+25.85 to 1448+32.51	RT	160446							11.1			
1452+70.81 to 1452+84.12	LT	102574							31.4			
1452+78.19 to 1452+82.33	RT	102607							7.6			
1452+92.07 to 1452+95.46	RT	102612							10.9			
1453+30.86 to 1453+34.21	RT	103068							10.9			
1453+43.71 to 1453+47.75	RT	102580							7.4			
1453+43.71 to 1453+56.57	LT	135715							25.0			
1460+12.50 to 1460+19.10	LT	103074							11.9			
1461+17.31 to 1461+27.57	LT	103081							17.5			
1467+84.22 to 1467+88.60	LT	169147							8.0			
1467+90.72 to 1467+94.72	RT	102645							8.0			
1467+99.22 to 1468+03.09	LT	103096							10.5			
1468+05.65 to 1468+07.93	RT	102636							8.3			
1468+41.36 to 1468+45.74	LT	103102							10.6			
1468+47.46 to 1468+51.29	RT	169141							8.7			
1468+61.81 to 1468+65.85	RT	102650							7.6			
1468+62.89 to 1468+66.85	LT	103108							7.8			
1472+06.99 to 1472+12.94	LT	169178							12.4			
1472+45.03 to 1472+51.00	LT	102563							12.4			
1474+99.42 to 1475+07.16	LT	102591							13.9			
1475+65.31 to 1475+74.93	LT	102596							16.7			
1476+36.50 to 1476+40.93	LT	102660							9.0			
1476+86.01 to 1476+92.28	LT	102601							11.6			
1478+13.64 to 1478+18.29	LT	151302							8.9			
1478+61.80 to 1478+75.66	LT	151308							22.9			
1480+13.25 to 1480+19.43	LT	103122							11.0			
1480+74.66 to 1480+81.24	LT	103115							11.2			
<b>SUB-TOTAL:</b>									541.1			

<b>REVISIONS</b>				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	<b>MANATEE COUNTY</b>			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-33
					SR 45	MANATEE	433592-4-58-01		

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

**SUMMARY OF PERMANENT DRIVEWAYS**

LOCATION STA. @ C OF DRIVEWAY	SIDE	AREA ID	MATERIAL				DESIGN NOTES	CONSTRUCTION REMARKS
			CONCRETE (SY)		ASPHALT (TN)			
			0522	2	0334	1 15		
P	F	P	F					
1324+36.23	RT	126893	37.6					
1325+06.36	RT	126904	34.4					
		150707	3.5			DRIVEWAY TIE-IN		
1325+13.76	LT	126871	42.7					
		150702	4.0			DRIVEWAY TIE-IN		
1326+58.60	LT	126916	42.7					
		150718	8.9			DRIVEWAY TIE-IN		
1326+65.01	RT	208673	49.0					
		208646	6.6			DRIVEWAY TIE-IN		
1328+69.91	RT	126939	102.8					
		150723	45.1			DRIVEWAY TIE-IN		
1331+15.05	RT	126950	30.8					
		150729	1.5			DRIVEWAY TIE-IN		
1331+95.66	RT	126963	42.6					
1333+21.73	RT	126975	42.2					
1333+54.49	LT	126998	29.7					
		150734	15.3			DRIVEWAY TIE-IN		
1334+15.08	RT	126986	42.7					
		150739	9.7			DRIVEWAY TIE-IN		
1335+05.07	LT	127012	42.7					
		150745	2.0			DRIVEWAY TIE-IN		
1335+05.11	RT	127025	32.3					
1335+98.92	RT	127037	28.8					
1336+64.60	LT	127051	74.7					
1339+75.44	RT	127057	32.2					
		150750	4.5			DRIVEWAY TIE-IN		
1340+19.45	LT	127068	27.8					
		150763	27.8			DRIVEWAY TIE-IN		
1340+80.00	LT	208765	37.6					
		208721	4.3			DRIVEWAY TIE-IN		
1341+33.63	RT	208776	31.2					
		208701	6.6			DRIVEWAY TIE-IN		
1341+73.17	LT	127114	37.6					
		150776	4.5			DRIVEWAY TIE-IN		
1342+69.74	LT	208753	29.9					
		150782	20.1			DRIVEWAY TIE-IN		
1343+68.29	LT	127139	35.8					
1344+04.38	RT	127151	26.9					
		150789	13.9			DRIVEWAY TIE-IN		
1344+40.61	LT	127163	33.1					
		150796	3.4			DRIVEWAY TIE-IN		
1346+00.68	LT	127174	27.0					
		150801	10.5			DRIVEWAY TIE-IN		
1346+57.53	LT	127187	28.7					
		150806	7.0			DRIVEWAY TIE-IN		
1346+61.76	RT	127198	27.8					
SUB-TOTAL:			1250.5					
TOTAL:			4145		12.5			

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

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

**SUMMARY OF PERMANENT DRIVEWAYS**

LOCATION STA. @ C OF DRIVEWAY	SIDE	AREA ID	MATERIAL				DESIGN NOTES	CONSTRUCTION REMARKS
			CONCRETE (SY)		ASPHALT (TN)			
			0522	2	0334	1 15		
P	F	P	F					
1347+83.30	RT	127209	28.7					
		150811	3.1				DRIVEWAY TIE-IN	
1348+31.80	RT	127221	27.8					
		150817	10.2				DRIVEWAY TIE-IN	
1348+51.69	LT	127233	41.2					
		150826	7.1				DRIVEWAY TIE-IN	
1349+32.28	RT	127244	26.9					
		150831	10.5				DRIVEWAY TIE-IN	
1349+91.49	LT	127256	37.6					
1351+20.38	LT	127267	37.6					
1351+50.22	RT	127279	140.0					
		126867	0.3				DRIVEWAY TIE-IN	
1354+76.71	LT	205589	42.7					
		205599	17.8				DRIVEWAY TIE-IN	
1355+30.21	LT	127327	31.6					
1355+45.77	RT	127316	63.9					
1356+86.53	LT	127332	42.7					
		150845	53.1				DRIVEWAY TIE-IN	
1358+07.64	LT	127343	26.9					
		150851	17.8				DRIVEWAY TIE-IN	
1358+86.69	LT	205606	32.2					
		205615	35.3				DRIVEWAY TIE-IN	
1360+22.01	LT	127366	34.0					
1361+11.58	LT	127391	37.6					
		150862	4.0				DRIVEWAY TIE-IN	
1361+16.55	RT	127377	34.0					
1361+87.64	LT	127402	34.0					
		150867	7.2				DRIVEWAY TIE-IN	
1431+16.95	RT	127831	26.9					
		150872	5.7				DRIVEWAY TIE-IN	
1431+59.79	LT	127842	42.0					
1431+60.73	RT	127819	19.8					
		150877	3.6				DRIVEWAY TIE-IN	
1432+40.28	LT	127854	37.6					
1432+51.77	RT	127804	26.9					
1433+29.59	RT	127793	37.6					
1433+68.11	LT	127781	20.7					
1434+22.81	LT	127769	34.9					
1435+58.79	LT	127756	25.1					
1436+67.27	RT	127745	59.8					
1437+04.47	LT	127733	32.8					
1438+83.66	RT	127722	25.2					
		150882	8.3				DRIVEWAY TIE-IN	
1439+38.09	LT	127711	26.9					
		150888	17.6				DRIVEWAY TIE-IN	
1440+94.37	RT	128017	55.4					
SUB-TOTAL:			1392.6					

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		SQ-35

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

**SUMMARY OF PERMANENT DRIVEWAYS**

LOCATION STA. @ C OF DRIVEWAY	SIDE	AREA ID	MATERIAL				DESIGN NOTES	CONSTRUCTION REMARKS
			CONCRETE (SY)		ASPHALT (TN)			
			0522	2	0334	1 15		
			P	F	P	F		
1441+21.27	LT	127699	26.9					
		150895	16.7					DRIVEWAY TIE-IN
1441+78.96	RT	127688	27.0					
		150900	7.0					DRIVEWAY TIE-IN
1442+36.71	LT	127677	26.9					
1443+30.73	RT	127666	37.6					
1444+89.59	LT	127655	37.6					
1445+82.42	LT	127644	19.8					
		150907	1.7					DRIVEWAY TIE-IN
1445+92.11	RT	127633	26.9					
1446+65.11	RT	127622	37.6					
		150912	4.0					DRIVEWAY TIE-IN
1446+88.23	LT	127611	37.6					
1447+65.71	LT	127600	37.6					
1448+50.57	LT	127589	37.6					
1449+36.67	LT	127578	37.6					
1449+63.92	RT	209031	26.3					
1450+21.00	RT	127556	26.9					
		150917	2.7					DRIVEWAY TIE-IN
1450+26.12	LT	127544	23.3					
1450+95.00	RT	127521	26.9					
1451+17.22	LT	127532	37.6					
1451+52.15	RT	127509	36.5					
1452+22.53	LT	127497	34.0					
1453+78.45	RT	127486	26.9					
1454+62.16	RT	127475	39.3					
1455+65.03	RT	127464	34.5					
1457+87.39	LT	127442	34.7					
1457+95.78	RT	127453	46.4					
1460+39.17	RT	127431	37.6					
		150922	9.0					DRIVEWAY TIE-IN
1460+67.72	LT	127865	82.9					
1462+62.54	RT	127872	37.6					
1463+52.41	LT	127883	32.2					
1463+58.86	RT	209009	18.4					
		209020	2.6					DRIVEWAY TIE-IN
1464+76.54	RT	208987	18.9					
		208998	3.1					DRIVEWAY TIE-IN
1465+90.83	RT	127917	37.6					
		150937	7.9					DRIVEWAY TIE-IN
1465+94.66	LT	127929	18.9					
1466+37.15	LT	127940	26.9					
1467+09.25	RT	127951	37.6					
1467+35.19	LT	127962	29.8					
1472+28.98	LT	127973	37.0					
1473+43.39	LT	208941	29.7					
SUB-TOTAL:			1283.8					

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					SR 45	MANATEE	433592-4-58-01		

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**SUMMARY OF PERMANENT DRIVEWAYS**

LOCATION STA. @ C OF DRIVEWAY	SIDE	AREA ID	MATERIAL				DESIGN NOTES	CONSTRUCTION REMARKS
			CONCRETE (SY)		ASPHALT (TN)			
			P	F	P	F		
1473+91.86	LT	208930	26.9					
		208925	2.3				DRIVEWAY TIE-IN	
1475+36.27	LT	128002	52.0					
1476+62.73	LT	127424	61.0					
1478+38.28	LT	211836	32.7					
1480+46.85	LT	128008	42.8					
1338+58.14	RT	204607			12.50		1.5" LIFT (APOLLO CENTER DR DRIVEWAY)	
SUB-TOTAL:			217.7		12.5			

**SUMMARY OF GUARDRAIL**

LOCATION STA. TO STA.	SIDE	GUARDRAIL (TL-3)		GUARDRAIL REMOVAL		APPROACH TRANSITION CONNECTION (TL-3)		TRAILING TRANSITION CONNECTION (TL-3)		END TREATMENT (TRAILING)		END TREATMENT (PARALLEL)		DESIGN NOTES	CONSTRUCTION REMARKS
		0536 1 1		0536 73		0536 8112		0536 8113		0536 85 20		0536 85 24			
		LF		LF		EA		EA		EA		EA			
		P	F	P	F	P	F	P	F	P	F	P	F		
1470+12.52 to 1470+38.00	LT	25.5													
1470+73.01 to 1470+96.36	LT	25.5													
1471+01.00 to 1472+03.10	LT	102.1													
1470+17.54 to 1471+19.78	LT			102.4											
1470+32.66 to 1470+42.84	LT			13.5											
1470+62.66 to 1470+96.77	LT			38.1											
1472+48.25 to 1473+50.45	RT			102.3											
1471+01.00 to 1471+01.00	LT					1.0									
1470+38.00 to 1470+38.00	LT							1.0							
1470+13.01 to 1470+13.01	LT									1.0					
1470+72.86 to 1470+72.86	LT									1.0					
1470+95.75 to 1470+95.75	LT									1.0					
1471+49.98 to 1472+03.10	LT											1.0			
TOTAL:		153		256		1		1		3		1			

<p align="center"><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324</p>		<p align="center"><b>MANATEE COUNTY</b></p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>MANATEE</td> <td>433592-4-58-01</td> </tr> </tbody> </table>			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01	<p align="center"><b>SUMMARY OF QUANTITIES</b></p>		<p align="center">SHEET NO. SQ-37</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																							
SR 45	MANATEE	433592-4-58-01																							

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**SUMMARY OF PERFORMANCE TURF**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
P	F							
1323+30.68 to 1324+21.04	RT	100776			29.5			
1324+36.42 to 1324+96.29	LT/RT	147125			62.1			
1324+36.53 to 1324+68.50	LT/RT	147130			26.4			
1324+54.42 to 1324+89.85	RT	100705			6.4			
1325+22.47 to 1326+44.14	RT	117898			16.6			
1325+25.00 to 1325+36.93	RT	100790			3.3			
1325+35.02 to 1325+35.02	LT/RT	100621			54.9			
1326+23.95 to 1326+40.96	RT	100617			5.6			
1326+76.60 to 1328+48.05	LT/RT	147171			89.4			
1326+87.01 to 1326+99.99	RT	149030			10.1			
1326+99.94 to 1328+06.64	RT	118247			48.4			
1329+01.02 to 1329+24.31	LT/RT	147194			6.0			
1329+04.58 to 1329+30.05	LT/RT	100623			1.9			
1329+33.15 to 1329+62.13	RT	100592			11.7			
1330+82.09 to 1331+00.72	RT	100588			6.4			
1330+97.96 to 1331+03.05	RT	100813			0.3			
1331+26.85 to 1331+77.66	RT	100817			16.3			
1331+55.44 to 1331+73.64	LT/RT	147205			8.4			
1331+55.44 to 1331+73.64	LT/RT	147221			6.9			
1332+14.16 to 1333+03.88	RT	100570			26.2			
1332+17.17 to 1332+43.97	RT	100691			8.2			
1332+38.92 to 1332+49.97	LT/RT	100627			4.7			
1332+38.92 to 1332+65.95	LT/RT	100768			9.0			
1332+51.97 to 1333+00.49	RT	100556			18.3			
1332+54.95 to 1332+65.95	LT/RT	100764			5.0			
1333+30.93 to 1333+40.33	LT/RT	100633			2.2			
1333+30.93 to 1333+42.44	LT/RT	100762			5.9			
1333+34.29 to 1333+97.08	RT	100829			14.3			
1333+41.98 to 1333+94.59	RT	107962			19.2			
1333+66.44 to 1333+77.93	LT/RT	100760			10.0			
1333+68.45 to 1333+77.93	LT/RT	100635			2.2			
1334+33.08 to 1334+92.29	RT	100546			23.6			
1334+75.06 to 1334+75.06	LT/RT	100637			1.9			
1334+80.08 to 1334+86.36	LT/RT	100758			0.7			
1335+18.28 to 1335+31.62	RT	100843			3.3			
1335+23.07 to 1335+35.06	LT/RT	100639			3.2			
1335+25.11 to 1335+81.15	RT	118271			11.9			
1335+25.56 to 1335+35.06	LT/RT	100756			2.2			
1335+74.65 to 1335+87.36	RT	100854			3.1			
1336+10.53 to 1336+26.21	RT	100511			11.3			
1336+11.76 to 1336+32.25	LT/RT	100641			6.6			
1336+14.45 to 1338+11.44	RT	118293			46.8			
1336+23.19 to 1336+46.54	LT/RT	100746			15.4			
1336+82.51 to 1337+17.44	LT/RT	100650			17.9			
1336+96.31 to 1337+17.44	LT/RT	100741			7.2			
1337+89.12 to 1338+26.63	LT/RT	100666			35.4			
1337+89.12 to 1337+99.47	LT/RT	108000			3.9			
SUB-TOTAL:					730.2			
TOTAL:					4761			

REVISIONS				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  SQ-38
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					SR 45	MANATEE	433592-4-58-01	

**SUMMARY OF QUANTITIES**

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

**SUMMARY OF PERFORMANCE TURF**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
P	F							
1338+03.93 to 1338+35.74	RT	100874			14.6			
1338+23.04 to 1338+39.64	LT/RT	100731			28.0			
1338+80.49 to 1338+89.03	LT/RT	100669			15.2			
1338+88.82 to 1339+60.44	RT	100481			42.2			
1338+94.25 to 1339+20.06	LT/RT	108002			14.6			
1339+13.32 to 1339+13.32	LT/RT	100729			7.8			
1339+89.61 to 1340+03.95	LT/RT	100676			6.0			
1339+89.61 to 1340+00.06	LT/RT	108003			1.8			
1339+90.45 to 1340+14.38	RT	100886			4.7			
1340+34.46 to 1340+41.98	LT/RT	108037			4.5			
1341+78.55 to 1342+17.25	RT	100895			17.0			
1341+90.42 to 1342+56.02	LT/RT	100996			55.3			
1342+65.35 to 1343+92.38	RT	107968			46.1			
1342+87.01 to 1343+02.68	LT/RT	108047			3.5			
1343+02.67 to 1343+02.67	LT/RT	100679			9.5			
1343+41.30 to 1343+50.68	LT/RT	100724			0.7			
1343+41.30 to 1343+47.52	LT/RT	108048			0.6			
1343+84.71 to 1344+25.11	LT/RT	100681			10.2			
1344+16.38 to 1346+48.81	RT	100909			75.9			
1344+56.11 to 1345+88.68	LT/RT	100722			37.6			
1346+12.68 to 1346+44.24	LT/RT	100683			4.8			
1346+74.24 to 1347+70.30	RT	100456			29.8			
1346+74.60 to 1346+74.60	LT/RT	100720			50.5			
1347+96.30 to 1348+19.30	RT	100926			1.5			
1348+44.18 to 1349+20.28	RT	100928			25.0			
1348+71.69 to 1349+73.49	LT/RT	116632			31.5			
1349+43.37 to 1349+89.23	RT	100454			23.5			
1349+50.96 to 1351+07.70	RT	118334			51.2			
1350+09.49 to 1351+02.38	LT/RT	116633			27.2			
1350+92.68 to 1351+16.43	RT	100955			4.4			
1351+54.77 to 1352+98.71	LT/RT	116634			31.7			
1351+83.87 to 1352+02.10	RT	100442			3.9			
1351+92.90 to 1353+62.44	RT	118354			68.8			
1353+31.65 to 1354+55.70	LT/RT	100689			42.9			
1353+48.36 to 1353+73.46	RT	100984			15.2			
1353+59.92 to 1353+69.92	RT	160475			5.5			
1353+67.43 to 1354+33.64	RT	118379			27.0			
1354+48.72 to 1355+06.92	RT	118406			42.6			
1354+94.69 to 1355+17.68	LT/RT	73480			18.6			
1355+01.04 to 1355+16.54	RT	160491			4.1			
1355+42.58 to 1356+68.53	LT/RT	73450			227.3			
1355+75.19 to 1355+92.19	RT	74033			4.1			
1355+84.21 to 1355+92.19	RT	74042			2.6			
1356+11.51 to 1358+73.10	RT	118419			96.2			
1356+95.92 to 1356+99.43	LT/RT	108053			0.4			
1356+98.21 to 1357+48.66	LT/RT	100286			13.4			
1357+55.11 to 1357+87.63	LT/RT	73447			4.1			
1358+19.64 to 1358+71.70	LT/RT	100254			9.9			
<b>SUB-TOTAL:</b>					<b>1263.5</b>			

<b>REVISIONS</b>				JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	<b>MANATEE COUNTY</b>			<b>SUMMARY OF QUANTITIES</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		SQ-39
					SR 45	MANATEE	433592-4-58-01		

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



**SUMMARY OF PERFORMANCE TURF**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
P	F							
1358+95.70 to 1359+05.25	LT/RT	73444			9.2			
1359+08.46 to 1360+06.36	LT/RT	100210			37.4			
1360+34.58 to 1360+93.08	LT/RT	73443			43.0			
1360+81.98 to 1360+91.27	RT	74054			1.2			
1360+81.98 to 1361+03.49	RT	74055			18.1			
1361+30.08 to 1361+71.52	LT/RT	108171			19.2			
1361+32.85 to 1362+51.52	RT	118437			128.7			
1361+37.38 to 1361+43.80	RT	100185			0.6			
1362+03.64 to 1362+57.04	LT/RT	100113			10.2			
1362+85.38 to 1363+20.46	LT/RT	73373			43.5			
1362+98.64 to 1363+29.76	RT	118599			9.8			
1363+04.49 to 1363+20.46	LT/RT	73366			15.3			
1363+06.27 to 1363+12.30	RT	73384			0.9			
1430+98.14 to 1430+98.14	RT	99899			2.3			
1431+12.43 to 1431+27.76	LT	108174			2.9			
1431+17.28 to 1431+39.72	LT	99897			3.8			
1431+29.74 to 1431+52.73	RT	99607			2.5			
1431+70.17 to 1432+37.48	RT	99901			16.5			
1431+81.13 to 1432+22.28	LT	116635			2.8			
1432+64.45 to 1432+64.45	RT	99605			22.1			
1432+65.49 to 1433+59.67	LT	99634			29.6			
1433+48.24 to 1434+59.81	RT	100093			51.1			
1433+76.61 to 1434+06.31	LT	116636			1.7			
1434+39.31 to 1435+48.26	LT	99644			10.5			
1434+42.79 to 1435+43.71	LT	99881			29.0			
1434+77.28 to 1436+36.45	RT	99914			11.2			
1435+69.79 to 1435+83.42	LT	99646			3.0			
1436+16.92 to 1436+89.33	LT	99862			17.9			
1436+28.52 to 1436+86.89	LT	99873			30.1			
1436+98.36 to 1438+71.99	RT	99600			56.7			
1437+19.96 to 1439+25.60	LT	99357			46.3			
1439+64.30 to 1439+97.96	RT	108189			7.4			
1439+76.06 to 1439+76.06	RT	99921			25.4			
1440+40.56 to 1440+63.04	RT	99590			5.1			
1440+52.01 to 1440+66.37	RT	100088			1.8			
1441+08.11 to 1441+08.11	LT	99654			34.1			
1441+22.37 to 1441+62.80	RT	99923			11.2			
1441+34.46 to 1441+34.46	LT	99860			28.1			
1441+94.22 to 1442+24.45	RT	116651			7.6			
1442+48.51 to 1442+61.79	LT	99656			2.8			
1442+67.18 to 1443+12.73	RT	99931			19.8			
1442+90.23 to 1443+12.21	LT	99858			9.9			
1443+50.13 to 1445+54.87	RT	99575			12.6			
1444+67.53 to 1444+67.53	LT	99658			44.5			
1445+10.93 to 1445+34.37	LT	108278			6.2			
1445+32.90 to 1445+40.87	LT	160498			1.9			
1445+39.27 to 1445+75.25	LT	99856			2.0			
1445+39.38 to 1445+71.09	LT	108279			7.6			
SUB-TOTAL:					905.1			

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SHEET NO.  SQ-40
REVISIONS														
DATE	DESCRIPTION													
		ROAD NO.	COUNTY	FINANCIAL PROJECT ID										
		SR 45	MANATEE	433592-4-58-01										

**SUMMARY OF QUANTITIES**

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

**SUMMARY OF PERFORMANCE TURF**

LOCATION  STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
P	F							
1445+90.42 to 1446+70.23	LT	99660			23.3			
1446+04.61 to 1446+04.61	RT	99942			13.4			
1446+83.11 to 1447+88.60	RT	99944			38.7			
1447+21.35 to 1447+21.35	LT	99854			7.6			
1447+83.71 to 1448+32.57	LT	116660			13.7			
1448+21.16 to 1448+26.86	RT	108200			1.4			
1448+28.65 to 1449+51.37	RT	99557			42.7			
1449+58.74 to 1449+58.74	LT	99664			17.8			
1449+76.47 to 1450+09.07	RT	99961			7.8			
1450+32.99 to 1450+82.63	RT	99546			13.6			
1450+36.10 to 1450+99.22	LT	116661			18.8			
1451+07.52 to 1451+34.76	RT	99972			3.4			
1451+35.22 to 1451+50.29	LT	99848			23.3			
1451+37.53 to 1451+50.38	LT	99666			4.3			
1451+70.02 to 1452+95.53	RT	99530			36.9			
1451+91.40 to 1452+04.17	LT	99668			4.2			
1451+91.40 to 1452+06.53	LT	99846			2.1			
1452+39.00 to 1452+84.73	LT	99670			37.2			
1453+30.78 to 1453+66.45	RT	99977			28.5			
1453+34.26 to 1453+60.49	LT	99676			15.3			
1453+66.45 to 1453+66.45	LT	99844			2.5			
1453+90.19 to 1454+42.24	RT	99521			14.3			
1454+81.86 to 1454+97.52	RT	99991			0.9			
1455+28.19 to 1455+28.19	RT	99519			19.0			
1455+37.04 to 1455+53.77	RT	108217			7.4			
1455+92.26 to 1455+92.26	RT	99995			16.4			
1456+47.14 to 1457+68.71	RT	116662			26.8			
1457+05.36 to 1457+24.36	LT	99837			2.1			
1457+05.38 to 1457+12.39	LT	99678			3.6			
1457+09.89 to 1457+19.89	LT	160504			2.8			
1457+17.38 to 1457+24.40	LT	99828			3.6			
1457+58.95 to 1457+74.65	LT	99816			2.5			
1457+58.97 to 1457+70.53	LT	99686			3.7			
1458+01.30 to 1458+33.47	LT	99696			9.1			
1458+02.56 to 1458+33.48	LT	108293			9.6			
1458+18.78 to 1458+18.78	RT	99517			11.8			
1458+31.77 to 1458+31.77	RT	99997			21.4			
1459+62.19 to 1460+20.82	LT	99705			8.4			
1459+62.19 to 1460+12.50	LT	99796			18.6			
1459+78.94 to 1459+78.94	RT	99999			20.0			
1460+11.17 to 1460+11.17	RT	99515			25.4			
1460+57.17 to 1462+40.47	RT	108244			42.1			
1461+15.49 to 1461+36.02	LT	99719			1.3			
1461+27.57 to 1461+41.95	LT	99788			2.8			
1462+39.25 to 1462+59.30	LT	99395			6.3			
1462+39.2 to 1462+59.26	LT	100055			4.6			
1462+75.49 to 1463+21.99	LT	99722			7.4			
1462+75.49 to 1463+34.88	LT	99786			22.9			
SUB-TOTAL:					671.3			

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS		DATE	DESCRIPTION			JULIO C. DELGADO, P.E. P.E. LICENSE NUMBER 61661 SCALAR CONSULTING GROUP INC. 8751 W. BROWARD BOULEVARD, SUITE 307 PLANTATION, FLORIDA 33324	MANATEE COUNTY			SUMMARY OF QUANTITIES	SHEET NO.  SQ-41
REVISIONS															
DATE	DESCRIPTION														
<table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 45</td> <td>MANATEE</td> <td>433592-4-58-01</td> </tr> </tbody> </table>		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 45	MANATEE	433592-4-58-01								
ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
SR 45	MANATEE	433592-4-58-01													

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

**SUMMARY OF PERFORMANCE TURF**

LOCATION STA. TO STA.	SIDE	AREA ID	LENGTH	WIDTH	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
					0570	1 2		
					SY			
					P	F		
1462+80.54 to 1463+50.00	RT	99513				19.6		
1463+24.26 to 1463+37.41	LT	99784				13.3		
1463+66.08 to 1463+78.07	RT	100001				2.1		
1463+70.61 to 1464+22.30	LT	99724				18.1		
1463+70.98 to 1463+79.13	RT	99511				1.3		
1464+20.71 to 1464+20.71	LT	99726				42.4		
1464+54.56 to 1464+64.38	RT	99509				1.8		
1464+54.56 to 1464+68.26	RT	100003				2.5		
1464+85.10 to 1464+85.10	RT	100005				28.0		
1465+71.74 to 1465+84.14	LT	99780				3.0		
1465+71.78 to 1465+87.28	LT	99728				1.3		
1466+01.91 to 1466+24.66	LT	99777				4.3		
1466+08.82 to 1466+91.25	RT	116668				25.3		
1466+49.65 to 1466+60.14	LT	99730				1.1		
1466+52.14 to 1466+60.12	LT	108299				1.3		
1467+10.79 to 1467+18.53	LT	99782				1.2		
1467+10.81 to 1467+21.51	LT	99775				0.9		
1467+27.25 to 1467+88.62	RT	116670				18.3		
1467+49.30 to 1468+03.65	LT	149111				21.2		
1467+98.94 to 1468+08.50	RT	100007				8.2		
1468+39.99 to 1470+34.01	LT	148845				66.7		
1468+52.86 to 1468+71.77	RT	99460				31.2		
1468+75.59 to 1468+90.81	RT	108251				3.4		
1468+75.70 to 1468+90.81	RT	148859				8.1		
1468+90.80 to 1471+98.98	RT	118488				116.1		
1470+67.95 to 1472+16.96	LT	148820				74.7		
1472+40.97 to 1473+28.85	LT	99763				32.2		
1474+04.65 to 1474+36.79	LT	99400				5.5		
1474+42.85 to 1474+66.17	LT	100045				4.8		
1474+71.74 to 1474+82.97	LT	99408				3.8		
1474+88.99 to 1475+11.69	LT	100039				8.5		
1475+62.16 to 1476+42.98	LT	99754				15.2		
1475+74.93 to 1476+36.50	LT	108325				18.1		
1476+82.55 to 1478+20.22	LT	148717				67.1		
1476+92.28 to 1477+49.95	LT	108326				22.9		
1478+51.30 to 1480+31.88	LT	149145				115.2		
1480+59.93 to 1482+06.14	LT	149180				321.6		
1481+72.95 to 1482+17.78	RT	118503				35.9		
1482+20.88 to 1482+29.07	LT	118542				5.9		
1482+21.31 to 1482+32.21	LT	118530				18.7		
SUB-TOTAL:						1190.8		

**SUMMARY OF TRAFFIC MONITORING SITE ITEMS**

LOCATION		SIDE	CONDUIT		PULL & SPLICE BOX		CABINET		CABINET (REMOVAL)		DESIGN NOTES	CONSTRUCTION REMARKS
SITE NO.	STATION		0630 2 11		0635 2 30		0695 7131		0695 7600			
			LF		EA		EA		EA			
		P	F	P	F	P	F	P	F			
1	1435+54.38	RT	10.0		1.0		1.0		1.0			
TOTAL:			10		1		1		1			

**REVISIONS**

DATE	DESCRIPTION	DATE	DESCRIPTION

JULIO C. DELGADO, P.E.  
P.E. LICENSE NUMBER 61661  
SCALAR CONSULTING GROUP INC.  
8751 W. BROWARD BOULEVARD, SUITE 307  
PLANTATION, FLORIDA 33324

**MANATEE COUNTY**

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	MANATEE	433592-4-58-01

**SUMMARY OF QUANTITIES**

SHEET NO.

SQ-42

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