

**CONTRACT PLANS COMPONENTS**

- ROADWAY PLANS
- SIGNING AND PAVEMENT MARKING PLANS
- LIGHTING AND SIGNALIZATION PLANS
- LANDSCAPE PLANS

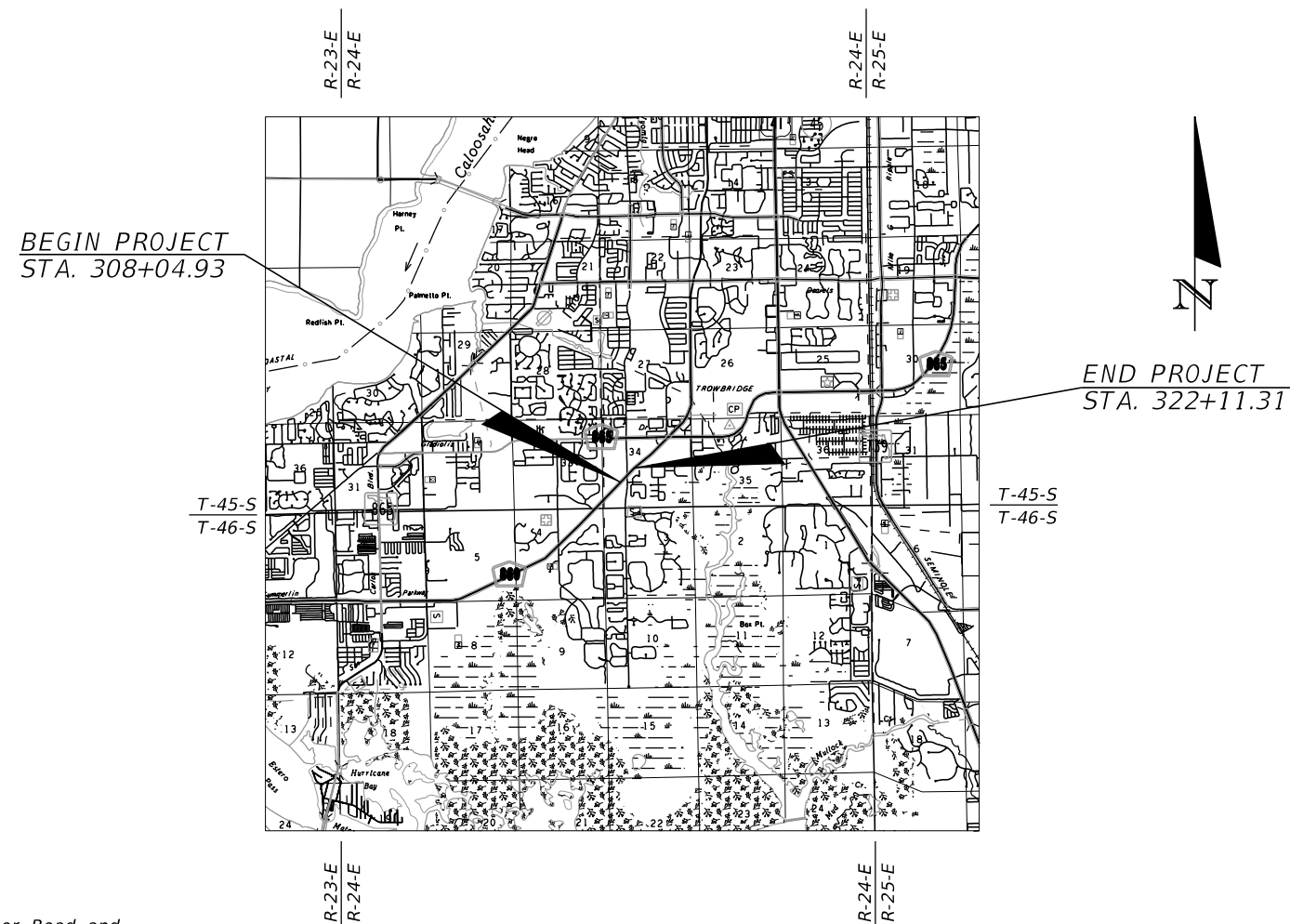
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**LEE COUNTY BOARD OF  
COUNTY COMMISSIONERS**

**PUBLIC WORKS ADMINISTRATION  
DEPARTMENT OF TRANSPORTATION  
CONTRACT PLANS  
PLANS OF PROPOSED**

**SUMMERLIN ROAD / WINKLER ROAD  
INTERSECTION IMPROVEMENTS  
COUNTY PROJECT NO. 6211**



**GOVERNING DESIGN STANDARDS:**

Florida Department of Transportation, FY2018-19 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs)

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

**GOVERNING STANDARD SPECIFICATIONS:**

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

**ROADWAY PLANS**

**ENGINEER OF RECORD:**

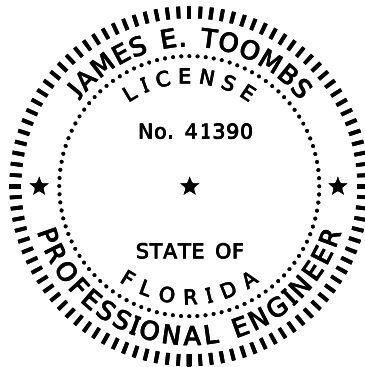
JAMES E. TOOMBS, P.E.  
P.E. NO.: 41390  
AIM ENGINEERING & SURVEYING, INC.  
3802 CORPOREX PARK DRIVE, STE. 225  
TAMPA, FLORIDA 33619  
TELEPHONE (888) 627-4144  
CONTRACT NO. CN-12-13  
VENDOR NO. F650197775003  
CERTIFICATE OF AUTHORIZATION NO. 3114

**LEE COUNTY PROJECT MANAGER:**

LEE C. WERST

FISCAL YEAR	SHEET NO.
19	1

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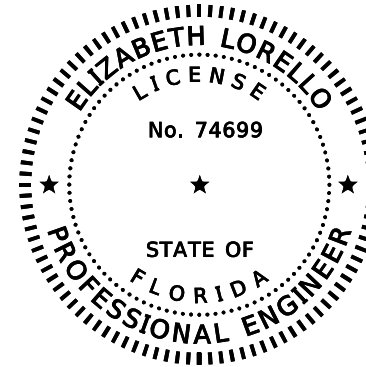
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 SHAWN DAVID SWETS, P.E. NO. 60274

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

ROADWAY PLANS

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	KEY SHEET
2	SIGNATURE SHEET
3	SUMMARY OF PAY ITEMS
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SQ-1 - SQ-6	SUMMARY OF QUANTITIES



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ROADWAY PLANS

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
9	SUMMARY OF DRAINAGE STRUCTURES
20 - 21	DRAINAGE STRUCTURES

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, Inc.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
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 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

PUBLIC WORKS DEPARTMENT  
 LEE COUNTY of  
 SOUTHWEST TRANSPORTATION  
 FLORIDA  
 1500 MONROE STREET FORT MYERS, FLORIDA 33901  
 (239) 479-8900

**SIGNATURE SHEET**

SHEET NO.  
 2

SUMMARY OF ROADWAY					
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
		101 -1	MOBILIZATION	LS	1
		102 -1	MAINTENANCE OF TRAFFIC	LS	1
		102 1a	MAINTENANCE OF PEDESTRIAN AND BICYCLE TRAFFIC	LS	1
		104 -18	INLET PROTECTION SYSTEM	EA	6
		107 -1	LITTER REMOVAL	AC	6.90
		107 -2	MOWING	AC	6.09
		110 -1 -1	CLEARING & GRUBBING	LS	1
		110 -4 -10	REMOVAL OF EXISTING CONCRETE	SY	735
		120 -1	REGULAR EXCAVATION	CY	1012.6
		120 -6	EMBANKMENT	CY	31.3
		160 -4	TYPE B STABILIZATION	SY	603
		285 -705	OPTIONAL BASE, BASE GROUP 5	SY	354
		285 -715	OPTIONAL BASE, BASE GROUP 15	SY	2266
		327 -70 -1	MILLING EXIST ASPHALTIC PAVEMENT, 1" AVG DEPTH	SY	10753
		334 -1 -12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	393.0
		337 -7 -90	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, HIGH POLYMER	TN	713.3
		425 -1 -361	INLETS, CURB, TYPE P-6, <10'	EA	1
		425 -1 -541	DITCH BOTTOM INLET, TYPE D, <10'	EA	1
		425 -2 -63	MANHOLES, P-8, PARTIAL	EA	1
		425 -3 -43	JUNCTION BOX, DRAINAGE, P-7, PARTIAL	EA	1
		430 -175 -118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	7
		430 -175 -218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH S/CD, 18"	LF	56
		520 -1 -7	CONCRETE CURB & GUTTER, TYPE E	LF	446
		520 -1 -10	CONCRETE CURB & GUTTER, TYPE F	LF	230
		520 -2 -4	CONCRETE CURB, TYPE D	LF	192
		520 -5 -11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	37
		520 -70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	155
		522 -2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	381
		527 -2	DETECTABLE WARNINGS	SF	181
		570 -1 -2	PERFORMANCE TURF, SOD	SY	880

**PAY ITEM NOTES**

110- 1- 1 COST OF ALL LANDSCAPE MODIFICATIONS INCLUDING IRRIGATION MODIFICATIONS AND REMOVAL OF TREES TO BE INCLUDED IN THE COST OF CLEARING AND GRUBBING.

SUMMARY OF SIGNING & PAVEMENT MARKINGS					
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
		700 -1 -11	SINGLE POST SIGN, F&I, GROUND MOUNT, UP TO 12 SF	AS	3
		700 -1 -12	SINGLE POST SIGN, F&I, GROUND MOUNT, 12-20 SF	AS	2
		700 -1 -50	SINGLE POST SIGN, RELOCATE	AS	3
		700 -1 -60	SINGLE POST SIGN, REMOVE	AS	1
		705 -10 -1	OBJECT MARKER, TYPE 1	EA	1
		706 -3	RETRO-REFLECTIVE PAVEMENT MARKERS	EA	245
		710 -11 -290	ISLAND NOSE PAINT, YELLOW	SF	6
		711 -11 -123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1023
		711 -11 -124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	252
		711 -11 -125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	152
		711 -11 -141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE, 6"	GM	0.112
		711 -11 -160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE	EA	3
		711 -11 -170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	30
		711 -11 -224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	29
		711 -11 -241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE, 6"	GM	0.124
		711 -14 -160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	3
		711 -14 -170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	3
		711 -16 -101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.847
		711 -16 -102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.188
		711 -16 -131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 10-30, 6"	GM	0.263
		711 -16 -201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.446

SUMMARY OF LIGHTING & SIGNALIZATION					
SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY TOTAL
		630 -2 -11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	633
		630 -2 12	3 - 2" CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	420
		632 -7 -1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1
		635 -2 -11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	8
		635 -2 -12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	1
		635 -2 -40	PULL & SPLICE BOX, ADJUST	EA	1
		646 -1 -11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	6
		646 -1 -600	ALUMINUM SIGNALS POLE, REMOVE	EA	2
		650 -1 -14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	1
		650 -1 -70	TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS	1
		653 -1 -11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	4
		653 -1 -60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	4
		660 -4 -51	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	2
		665 -1 -11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	6
		665 -1 -60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	6
		671 -2 -40	TRAFFIC CONTROLLER, MODIFY	EA	1
		715 -1 -12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	1600
		715 -1 -13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4	LF	1690
		715 -1 -13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 2	LF	1570
		715 -4 -121	LIGHT POLE COMPLETE, F&I, WIND SPEED 130, POLE HEIGHT 40'	EA	2
		715 -4 -400	LIGHT POLE COMPLETE, RELOCATE	EA	1

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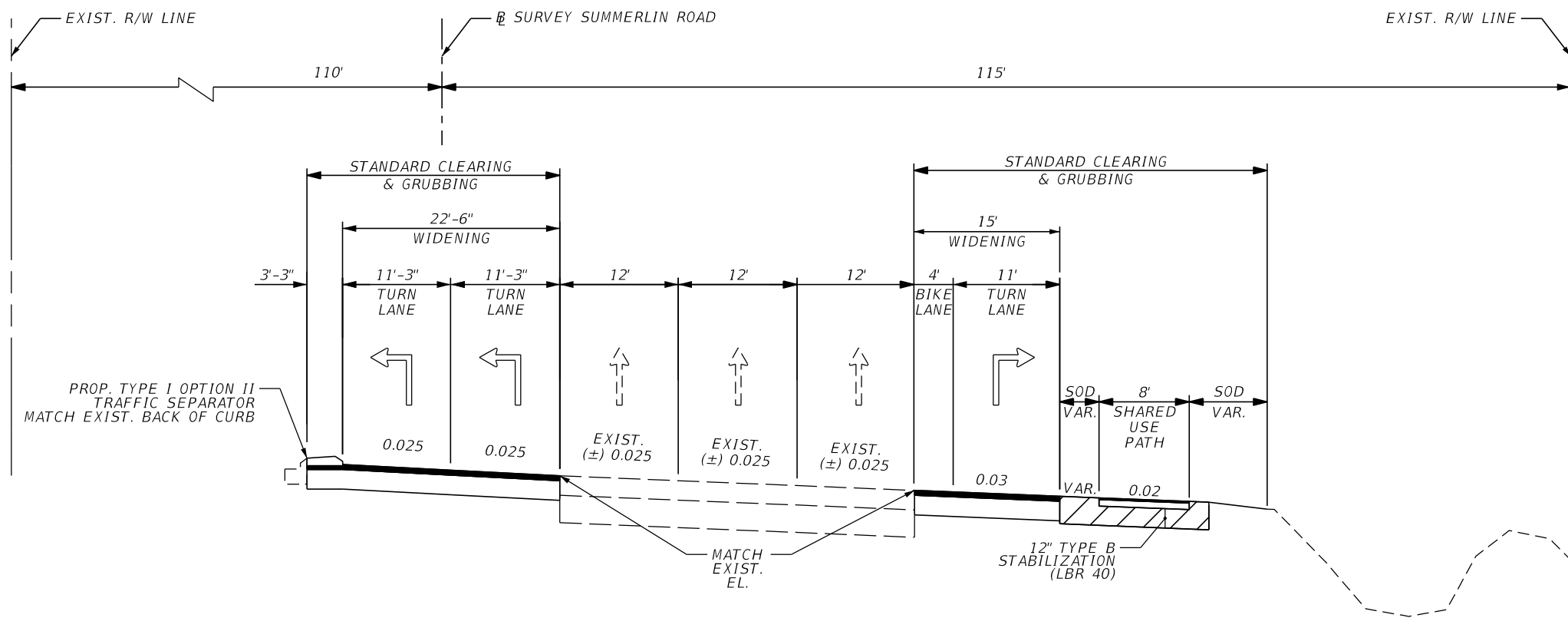
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PUBLIC WORKS DEPARTMENT  
 LEE COUNTY of TRANSPORTATION  
 SOUTHWEST FLORIDA  
 1500 MONROE STREET FORT MYERS, FLORIDA 33901  
 (239) 479-8900

**SUMMARY OF PAY ITEMS**

SHEET NO.  
**3**

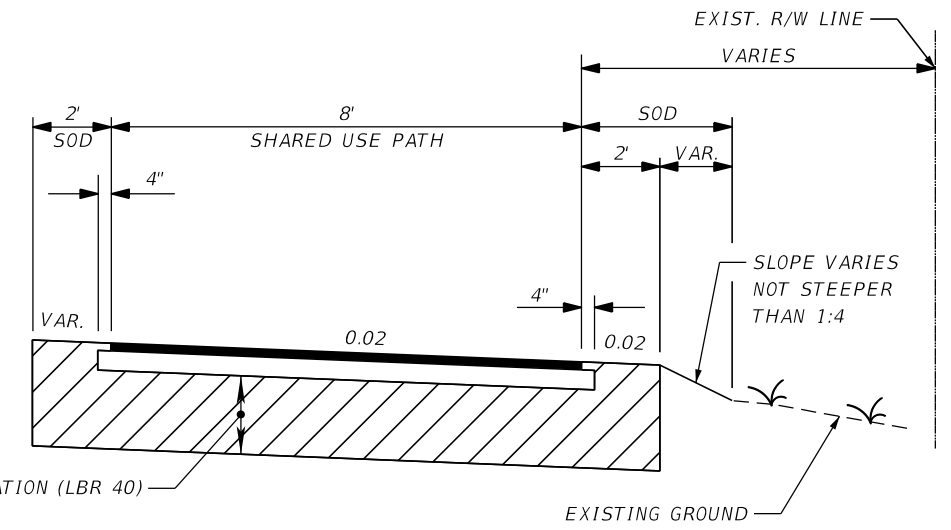
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TYPICAL SECTION 1  
SUMMERLIN ROAD  
STA. 308+04.93 TO STA. 312+41.22

TURN LANE CONSTRUCTION

FRICITION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER) WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")  
AND OPTIONAL BASE GROUP 15 (TYPE B-12.5 ONLY)



SHARED USE PATH DETAIL  
STA. 308+04.93 TO STA. 311+71.54

SHARED USE PATH  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1.5") WITH  
OPTIONAL BASE GROUP 5 AND  
12" TYPE B STABILIZATION

NO.	DATE	BY	REVISIONS - DESCRIPTION

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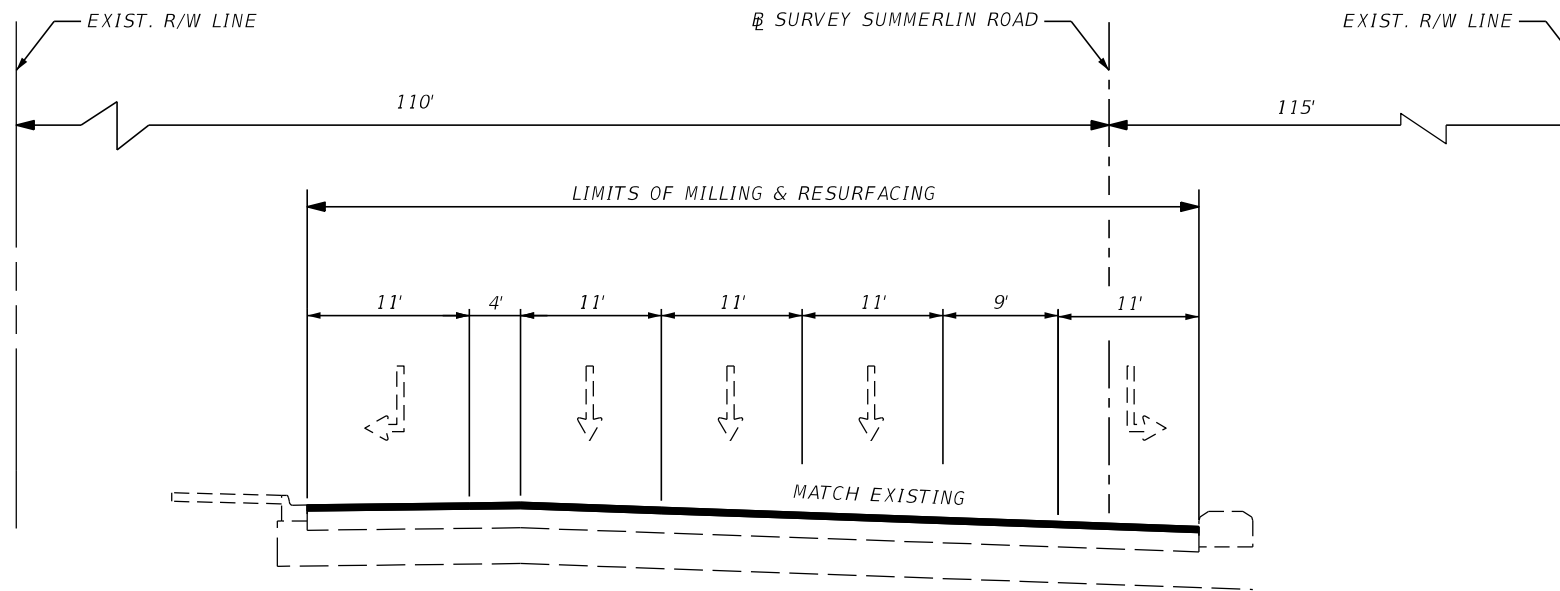
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of  
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**TYPICAL SECTION**

SHEET NO.  
**4**

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TYPICAL SECTION 2  
 SUMMERLIN ROAD  
 STA. 317+16.08 TO STA. 319+80.00

TRAVEL AND TURN LANES  
 MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)  
 FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER)

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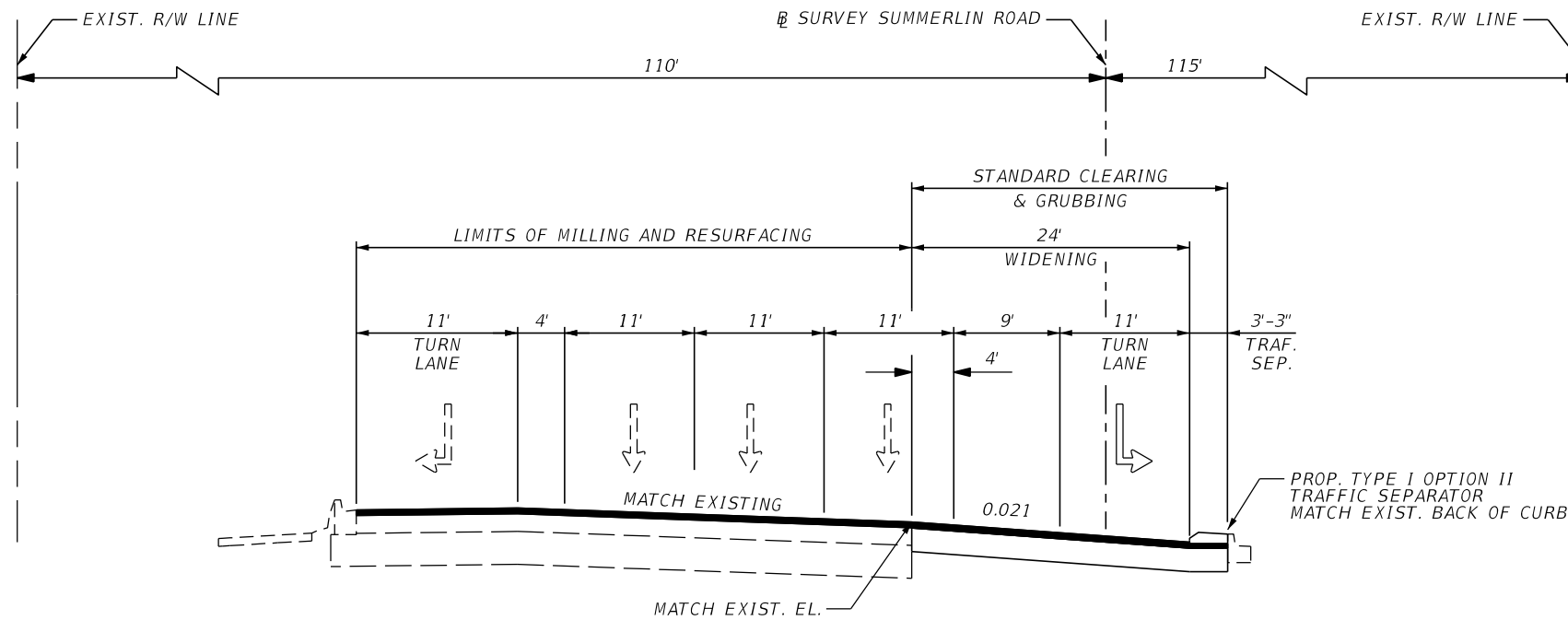
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 F L O R I D A  
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**TYPICAL SECTION**

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TYPICAL SECTION 3  
 SUMMERLIN ROAD  
 STA. 319+80.00 TO STA. 322+11.31

TRAVEL AND TURN LANE MILLING & RESURFACING  
 MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)  
 FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER)

TURN LANE CONSTRUCTION  
 FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER) WITH  
 TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")  
 AND OPTIONAL BASE GROUP 15 (TYPE B-12.5 ONLY)

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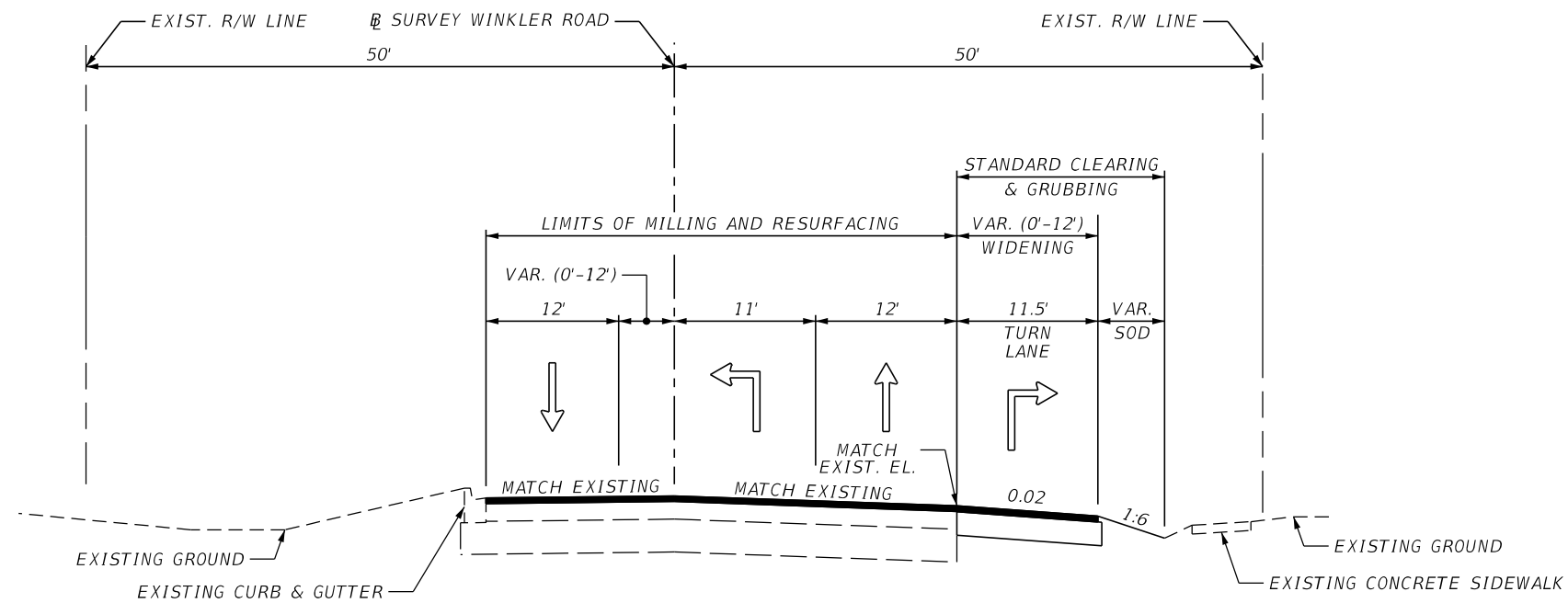
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**TYPICAL SECTION**

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TYPICAL SECTION 4  
WINKLER ROAD  
STA. 13+60.30 TO STA. 16+08.40

TRAVEL LANE MILLING & RESURFACING  
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)  
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER)

TURN LANE CONSTRUCTION  
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER) WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")  
AND OPTIONAL BASE GROUP 15 (TYPE B-12.5 ONLY)

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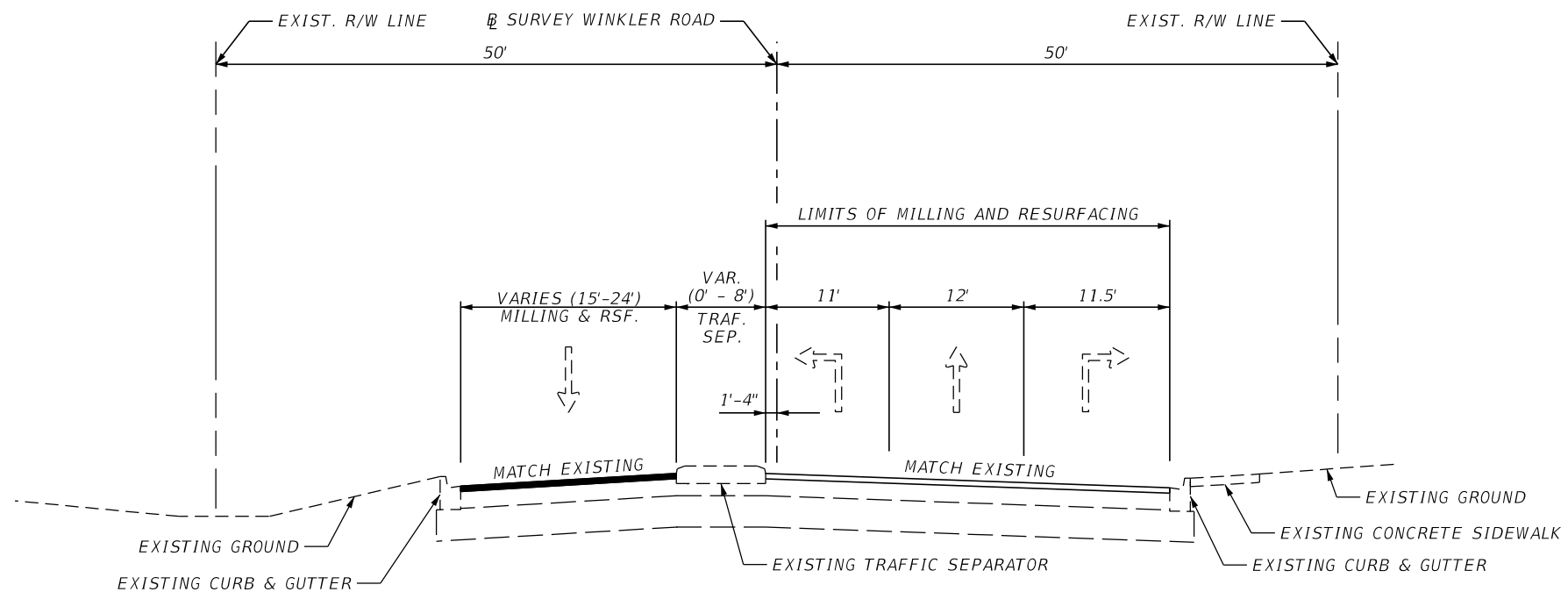
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**TYPICAL SECTION**

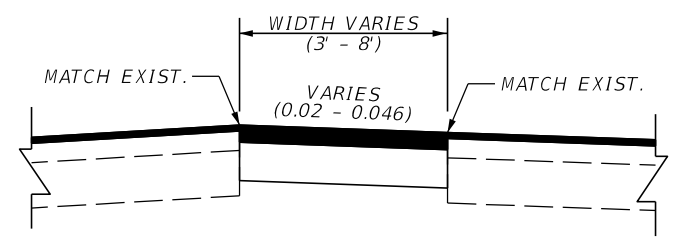
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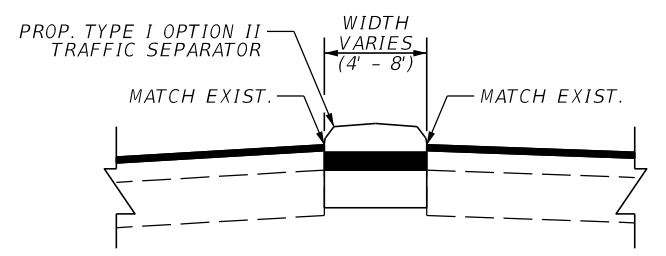
TYPICAL SECTION 5  
WINKLER ROAD  
STA. 16+08.40 TO STA. 19+30.98

TRAVEL LANE MILLING & RESURFACING  
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)  
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER)



WIDENING DETAIL  
STA. 16+47.82 TO STA. 17+56.17

PAVEMENT WIDENING  
FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (HIGH POLYMER) WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")  
AND OPTIONAL BASE GROUP 15 (TYPE B-12.5 ONLY)



TRAFFIC SEPARATOR DETAIL  
STA. 17+54.18 TO STA. 17+74.79

PAVEMENT WIDENING WITH TRAFFIC SEPARATOR  
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (3")  
AND OPTIONAL BASE GROUP 15 (TYPE B-12.5 ONLY)

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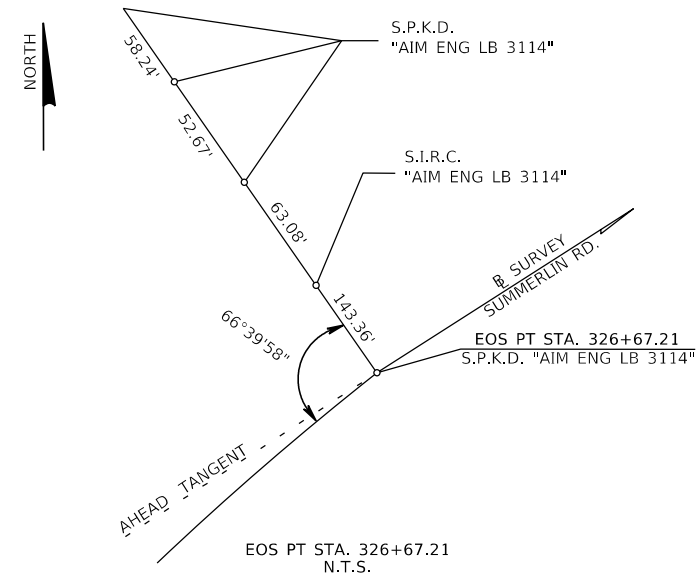
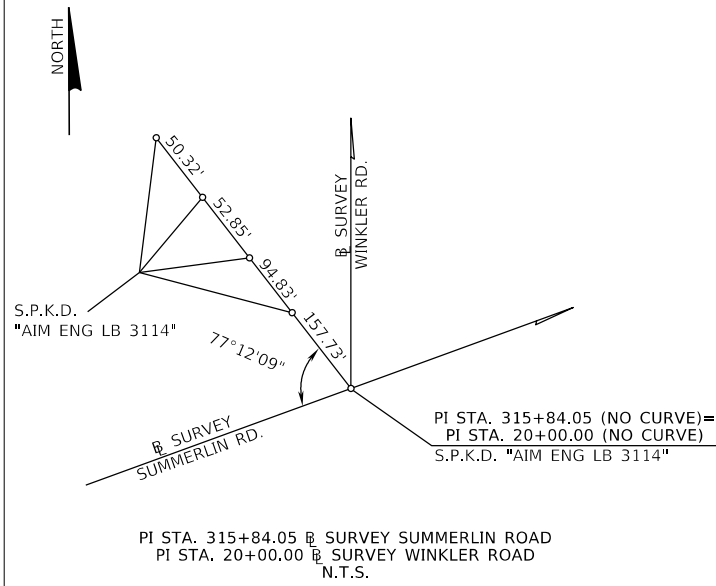
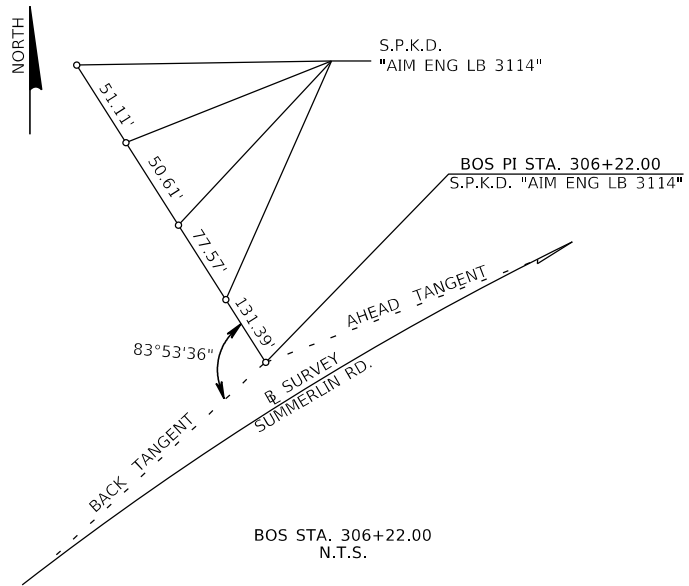
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FORT MYERS, FLORIDA 33901

**TYPICAL SECTION**

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LEGEND:  
 S.P.K.D. = SET PARKER KALON NAIL AND DISK  
 S.I.R.C. = SET 5/8" IRON ROD AND CAP

NO.	DATE	BY	REVISIONS - DESCRIPTION

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**PROJECT CONTROL**

SHEET NO.  
**10**

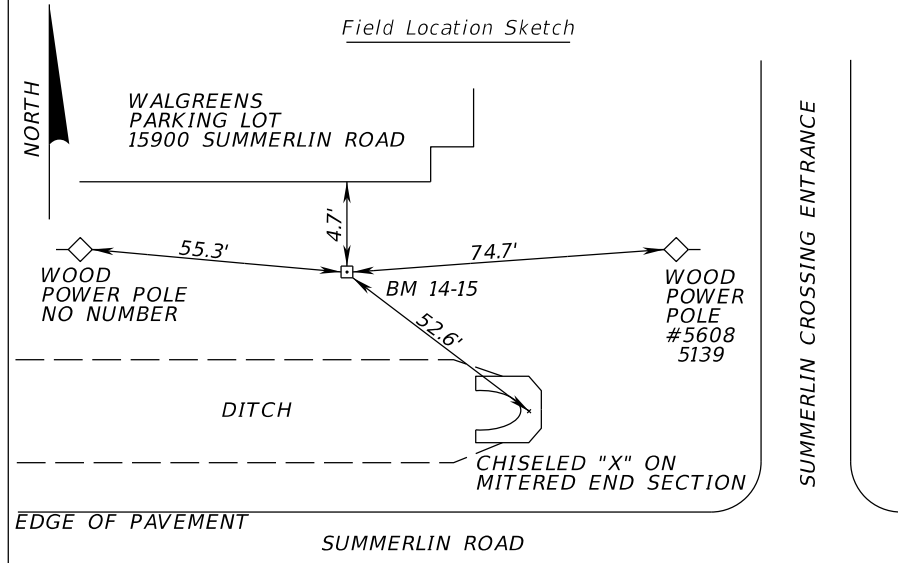
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929 X  
NAVD 1988    

Monument Name or Designation: BM 14-15 Elevation Feet: 7.339  
State Road No.:            County: LEE  
Section: 34 Township: 45 S Range: 24 E Roadway Section I.D.:             
Establishing Firm: AIM ENGINEERING & SURVEYING Field Book No.: 1391  
Established: 10 / 22 / 14 Recovered:     /     /     Financial Project ID:             
State Plane Coordinates:  
(Nearest Foot) N (Y): = 792151 E (X): = 688618  
Base Line Station and Offset: B STATION: 307+53.96 OFFSET: 120.3' LEFT  
Description of Monument: STANDARD 4"X4" CONCRETE MONUMENT WITH BRASS DISK STAMPED "BM 14-15"

Distance and Direction from Nearest Intersection: FROM THE INTERSECTION OF SUMMERLIN RD & PARK ROYAL DR. PROCEED 0.38 MILES NORTHEAST ON SUMMERLIN RD TO MARK ON LEFT

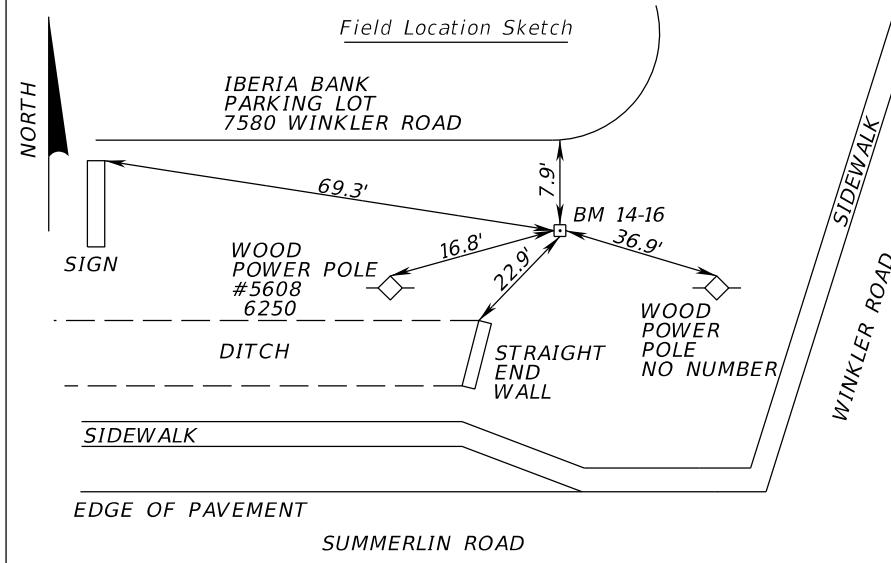


Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929 X  
NAVD 1988    

Monument Name or Designation: BM 14-16 Elevation Feet: 8.094  
State Road No.:            County: LEE  
Section: 34 Township: 45 S Range: 24 E Roadway Section I.D.:             
Establishing Firm: AIM ENGINEERING & SURVEYING Field Book No.: 1391  
Established: 10 / 22 / 14 Recovered:     /     /     Financial Project ID:             
State Plane Coordinates:  
(Nearest Foot) N (Y): = 792760 E (X): = 689202  
Base Line Station and Offset: B STATION: 315+98.02 OFFSET: 126.8' LEFT  
Description of Monument: STANDARD 4"X4" CONCRETE MONUMENT WITH BRASS DISK STAMPED "BM 14-16"

Distance and Direction from Nearest Intersection: FROM THE INTERSECTION OF SUMMERLIN RD & PARK ROYAL DR. PROCEED 0.53 MILES NORTHEAST ON SUMMERLIN RD TO MARK ON LEFT

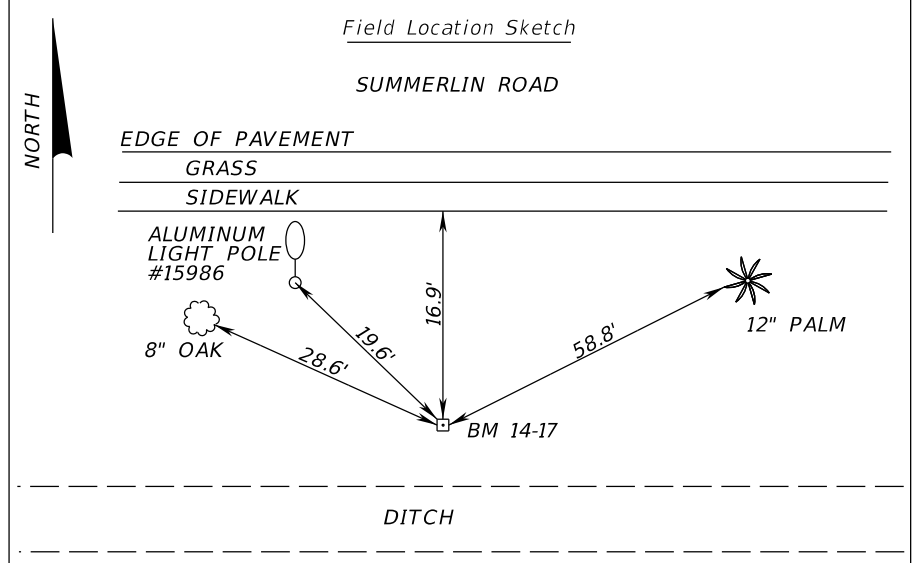


Florida Department of Transportation District One  
Vertical Control Data Sheet

DATUM  
NGVD 1929 X  
NAVD 1988    

Monument Name or Designation: BM 14-17 Elevation Feet: 6.711  
State Road No.:            County: LEE  
Section: 34 Township: 45 S Range: 24 E Roadway Section I.D.:             
Establishing Firm: AIM ENGINEERING & SURVEYING Field Book No.: 1391  
Established: 10 / 22 / 14 Recovered:     /     /     Financial Project ID:             
State Plane Coordinates:  
(Nearest Foot) N (Y): = 793172 E (X): = 689936  
Base Line Station and Offset: B STATION: 324+14.48 OFFSET: 81.7' RIGHT  
Description of Monument: STANDARD 4"X4" CONCRETE MONUMENT WITH BRASS DISK STAMPED "BM 14-17"

Distance and Direction from Nearest Intersection: FROM THE INTERSECTION OF SUMMERLIN RD & PARK ROYAL DR. PROCEED 0.70 MILES NORTHEAST ON SUMMERLIN RD TO MARK ON RIGHT



NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
3802 CORPOREX PARK DRIVE STE. 225  
TAMPA, FLORIDA 33619  
TELEPHONE (888) 627-4144  
FAX (813) 664-1899  
CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA CERTIFICATE NO. 41390

PUBLIC WORKS  
LEE COUNTY  
SOUTHWEST FLORIDA  
1500 MONROE STREET  
FORT MYERS, FLORIDA 33901  
DEPARTMENT of TRANSPORTATION

**PROJECT CONTROL**


SHEET NO.  
**11**

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


GENERAL NOTES

1. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED.
2. ANY PUBLIC LAND CORNER OR BENCH MARK WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHALL BE NOTIFIED.
3. ALL SILT FENCE AND INLET PROTECTION DEVICES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.
4. STOCKPILE ALL MATERIALS AND EQUIPMENT WITHIN RIGHT-OF-WAY LIMITS. ALL DRIVEWAYS AND STREETS SHALL BE ACCESSIBLE AT ALL TIMES.
6. ALL ELEVATIONS REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

NO.	DATE	BY	REVISIONS - DESCRIPTION

 **AIM ENGINEERING & SURVEYING, INC.**  
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TAMPA, FLORIDA 33619  
TELEPHONE (888) 627-4144  
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CERTIFICATE OF AUTHORIZATION NO. 3114

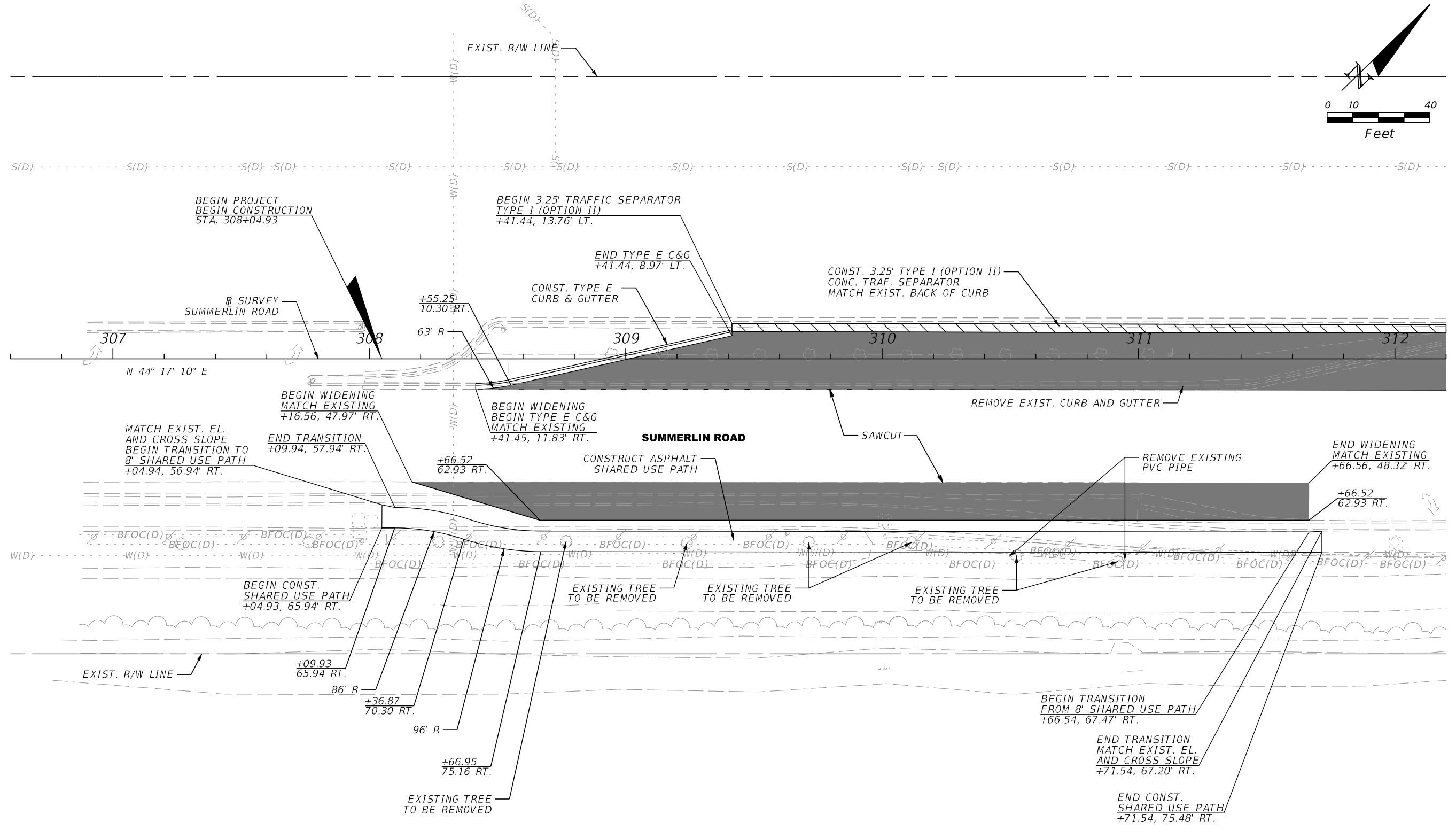
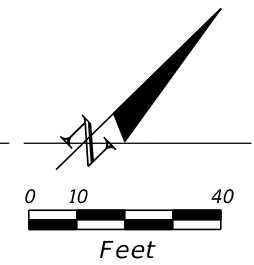
APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA CERTIFICATE NO. 41390

 PUBLIC WORKS DEPARTMENT  
LEE COUNTY of  
SOUTHWEST FLORIDA TRANSPORTATION  
1500 MONROE STREET FORT MYERS, FLORIDA 33901  
(239) 479-8900

**GENERAL NOTES**

SHEET NO.  
**12**

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



**LEGEND**

	PROPOSED WIDENING
	PROPOSED CONC. TRAFFIC SEPARATOR

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

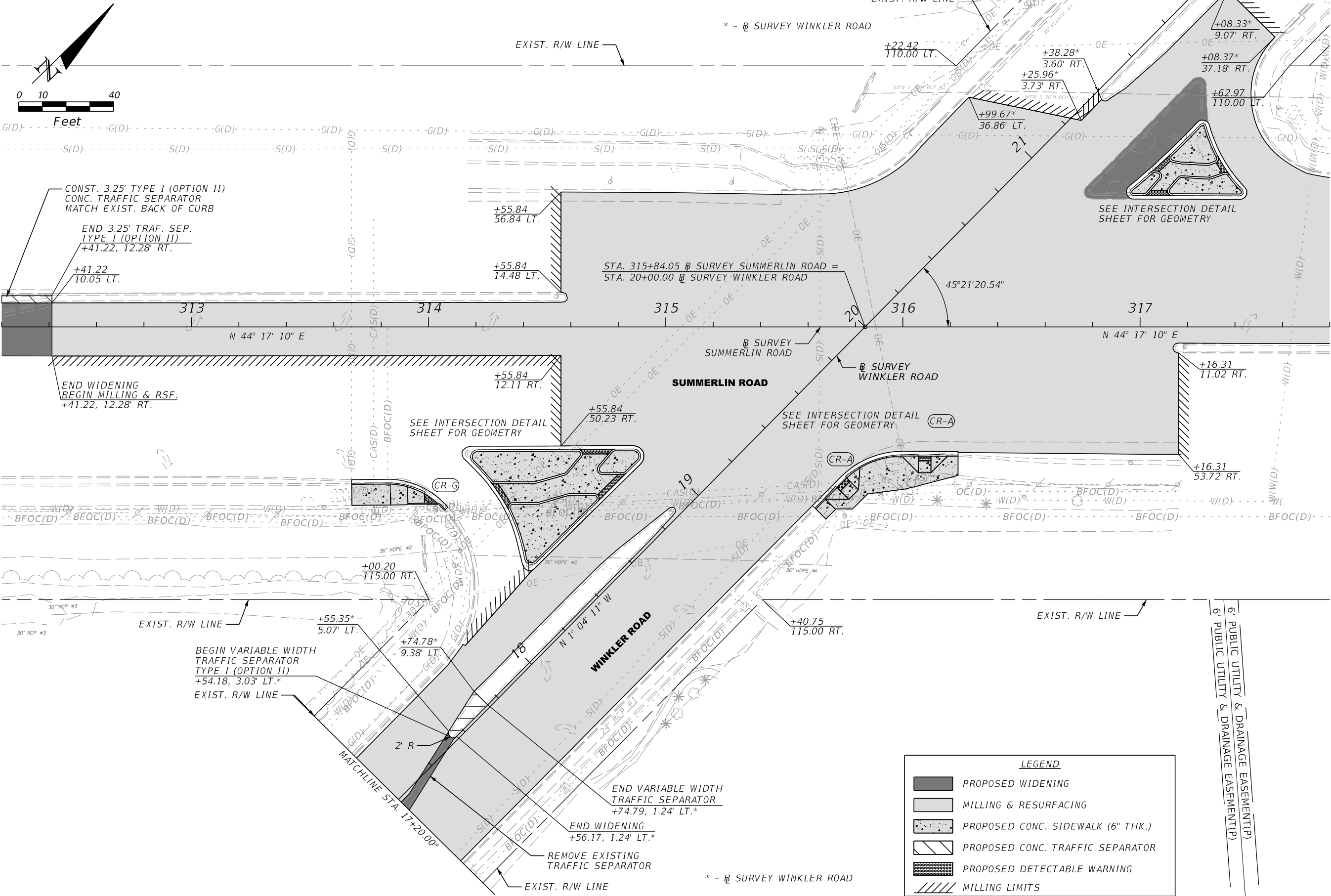
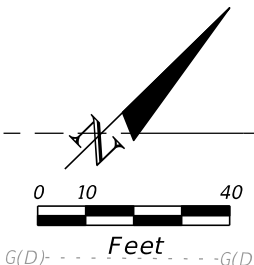
PUBLIC WORKS  
 LEE COUNTY  
 SOUTHWEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

**ROADWAY PLAN (1)**

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**

- PROPOSED WIDENING
- MILLING & RESURFACING
- PROPOSED CONC. SIDEWALK (6" THK.)
- PROPOSED CONC. TRAFFIC SEPARATOR
- PROPOSED DETECTABLE WARNING
- MILLING LIMITS

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

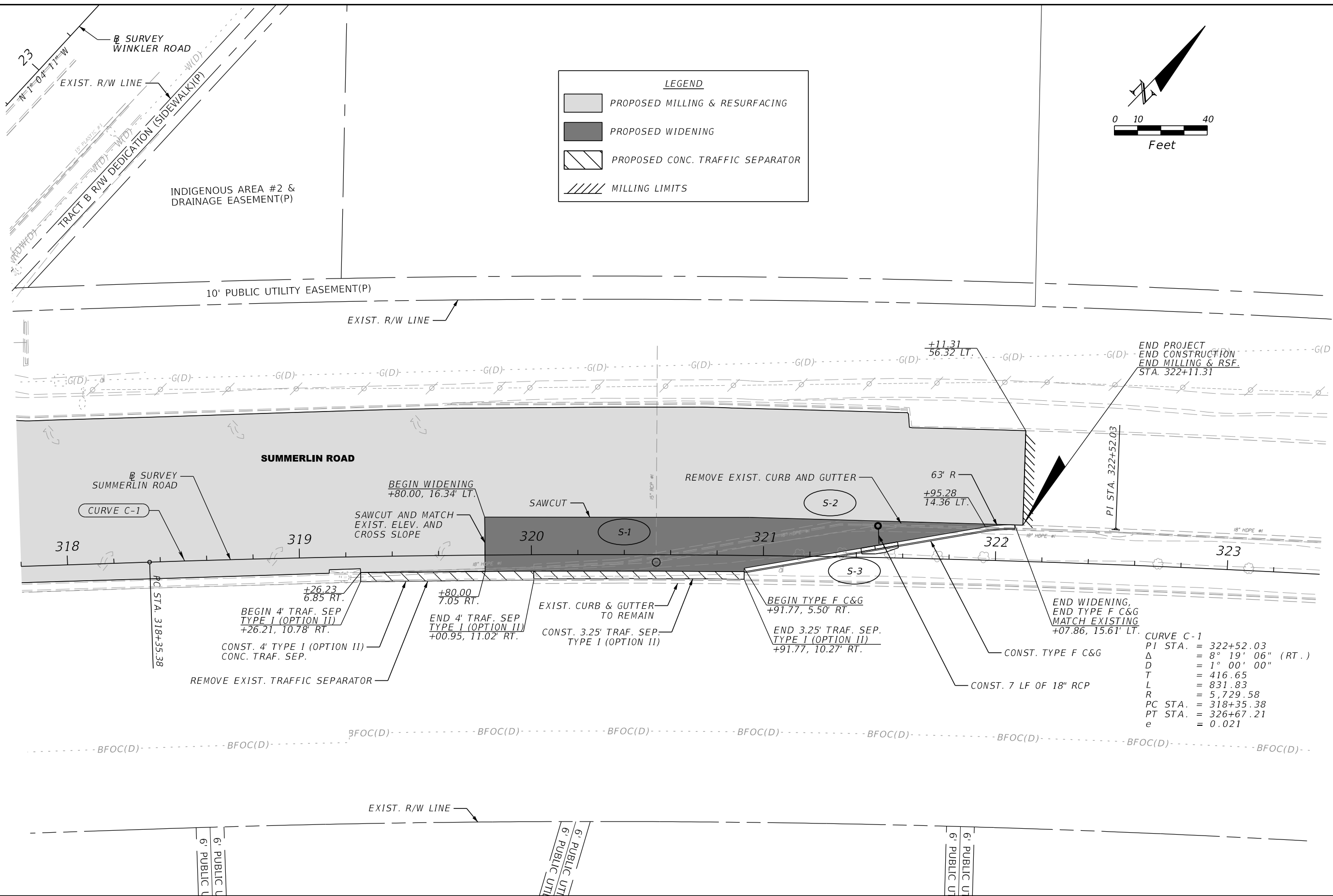
PUBLIC WORKS  
 LEE COUNTY  
 SOUTHWEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

**ROADWAY PLAN (2)**

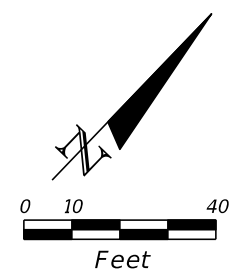
SHEET NO.  
**14**

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



**LEGEND**

- PROPOSED MILLING & RESURFACING
- PROPOSED WIDENING
- PROPOSED CONC. TRAFFIC SEPARATOR
- MILLING LIMITS



END PROJECT  
END CONSTRUCTION  
END MILLING & RSF.  
STA. 322+11.31

**CURVE C-1**  
 PI STA. = 322+52.03  
 $\Delta$  = 8° 19' 06" (RT.)  
 D = 1° 00' 00"  
 T = 416.65  
 L = 831.83  
 R = 5,729.58  
 PC STA. = 318+35.38  
 PT STA. = 326+67.21  
 e = 0.021

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

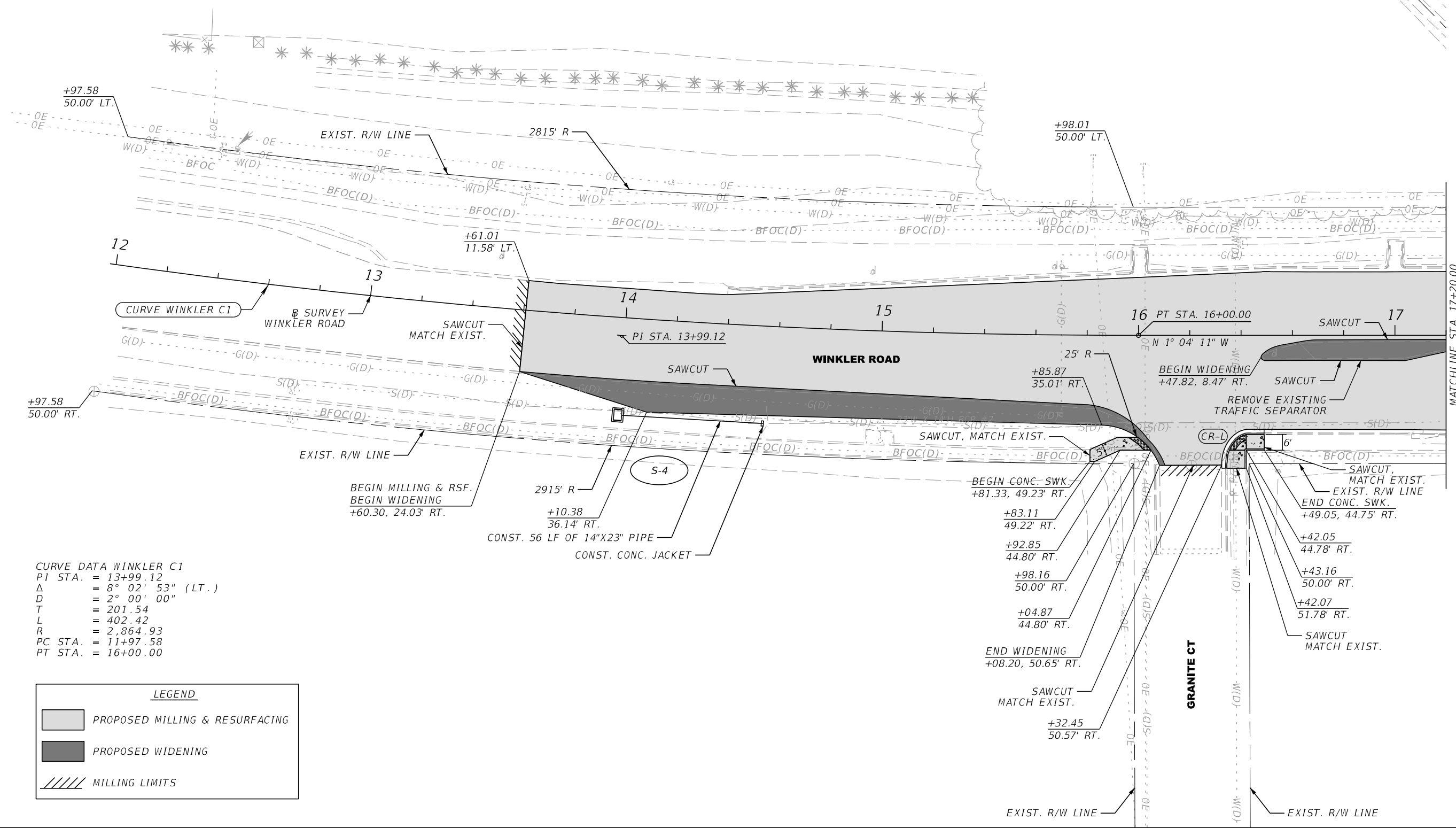
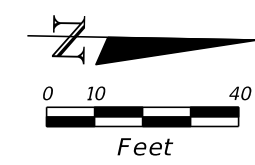
PUBLIC WORKS  
 LEE COUNTY  
 SOUTHWEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

**ROADWAY PLAN (3)**

SHEET NO.  
**15**

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**CURVE DATA WINKLER C1**  
 PI STA. = 13+99.12  
 $\Delta$  = 8° 02' 53" (LT.)  
 D = 2° 00' 00"  
 T = 201.54  
 L = 402.42  
 R = 2,864.93  
 PC STA. = 11+97.58  
 PT STA. = 16+00.00

LEGEND	
	PROPOSED MILLING & RESURFACING
	PROPOSED WIDENING
	MILLING LIMITS

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

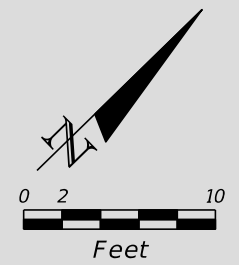
PUBLIC WORKS  
 LEE COUNTY  
 SOUTHWEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

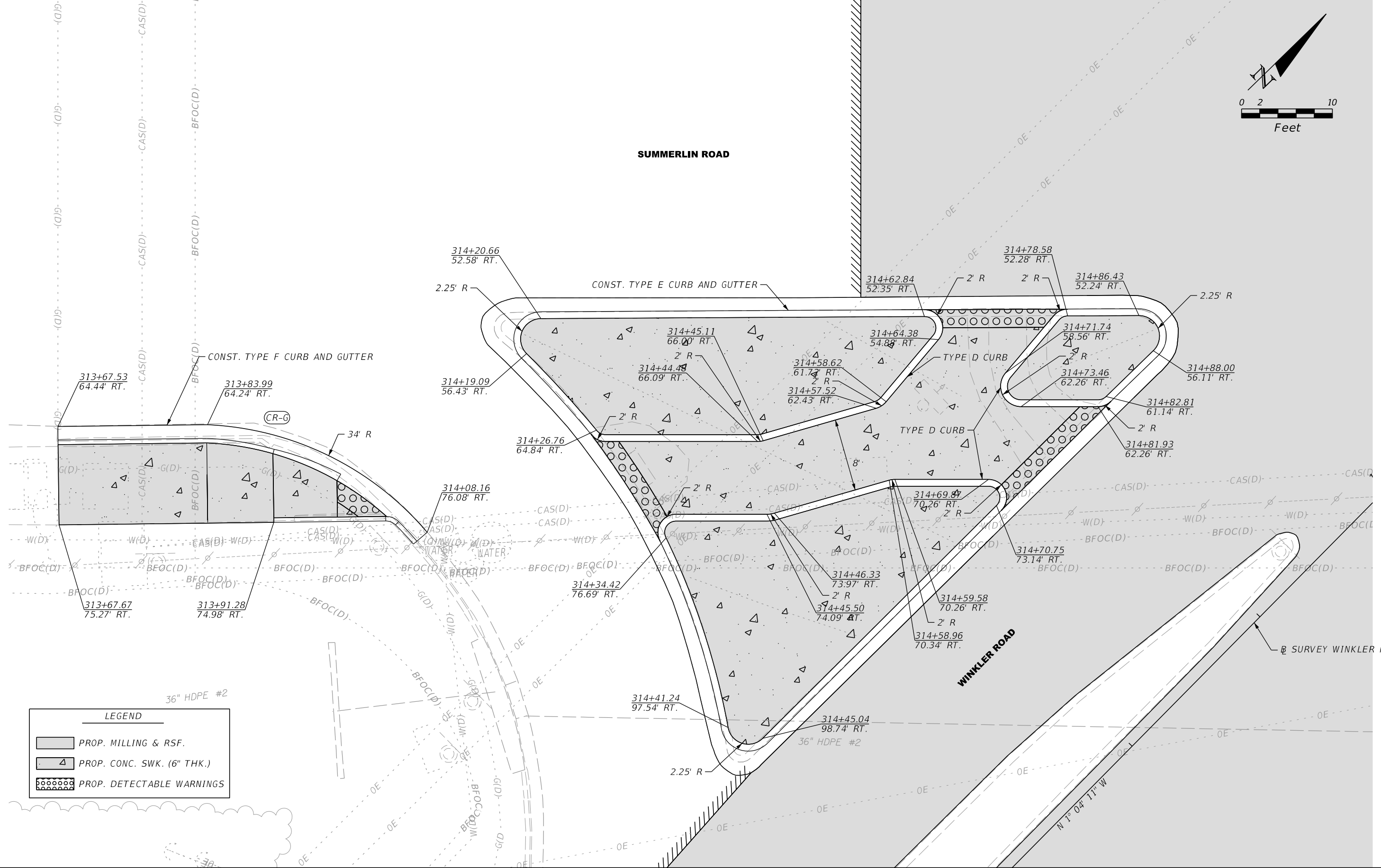
**ROADWAY PLAN (4)**

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**SUMMERLIN ROAD**



**LEGEND**

	PROP. MILLING & RSF.
	PROP. CONC. SWK. (6" THK.)
	PROP. DETECTABLE WARNINGS

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

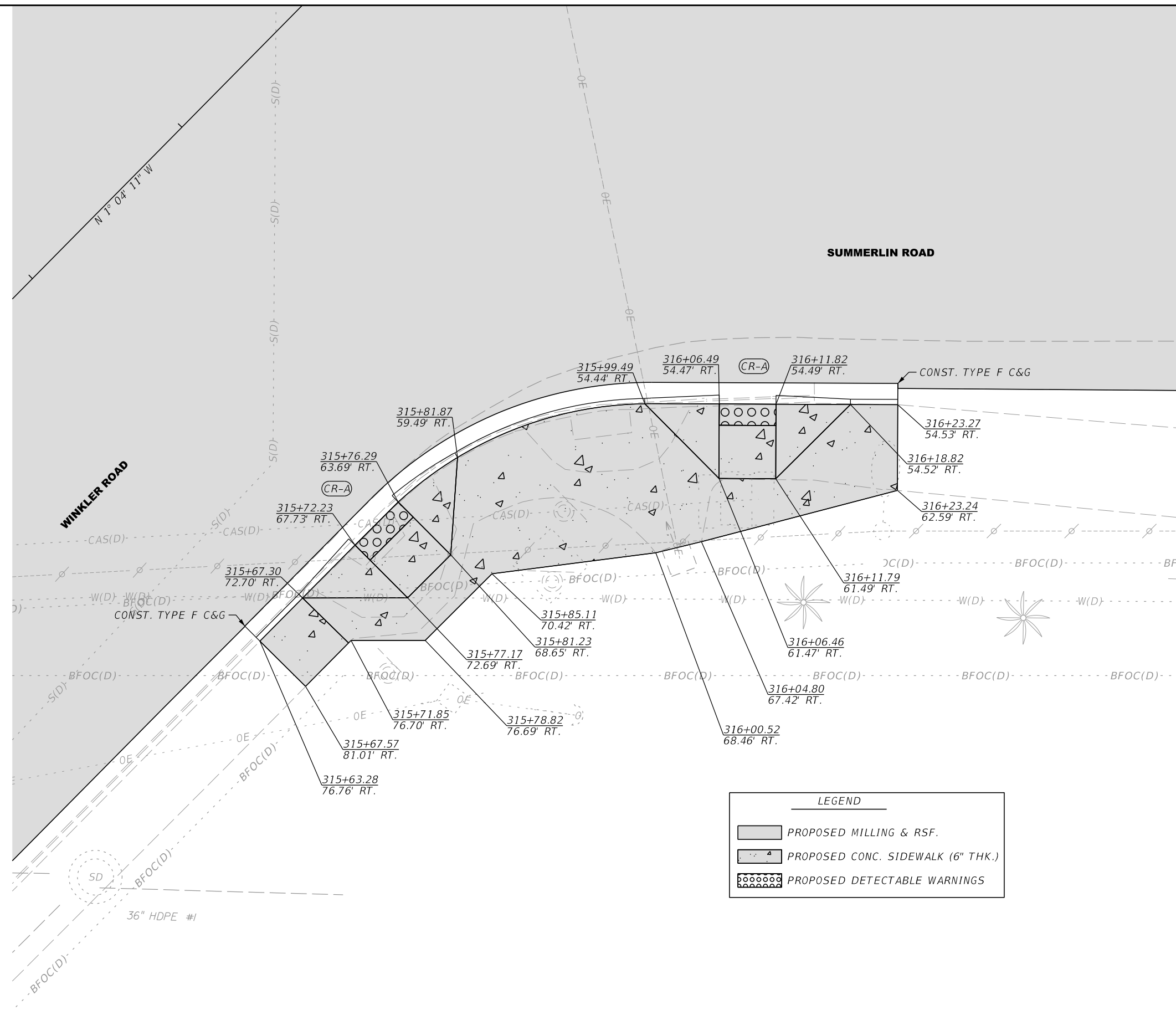
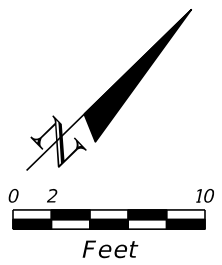
APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

**PUBLIC WORKS**  
**LEE COUNTY**  
 SOUTHWEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

**INTERSECTION DETAIL**

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**LEGEND**

- PROPOSED MILLING & RSF.
- PROPOSED CONC. SIDEWALK (6" THK.)
- PROPOSED DETECTABLE WARNINGS

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

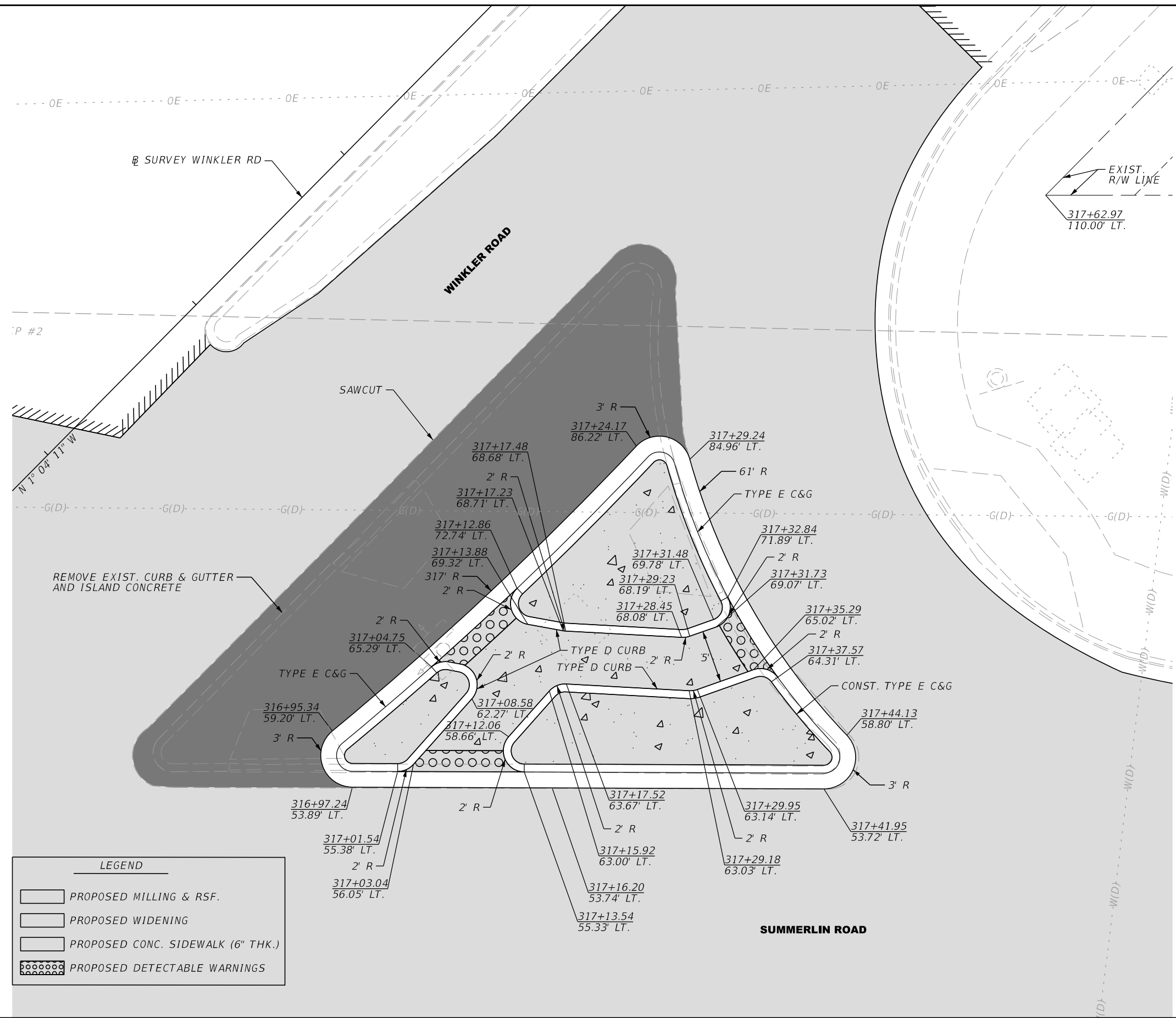
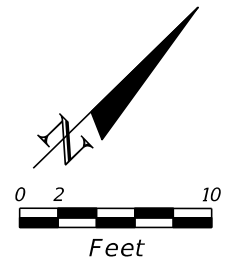
**PUBLIC WORKS**  
**LEE COUNTY**  
**SOUTH WEST**  
**FLORIDA**  
 1500 MONROE STREET  
 (239) 479-8900

**DEPARTMENT**  
**of**  
**TRANSPORTATION**  
 FORT MYERS, FLORIDA 33901

**INTERSECTION DETAIL**

SHEET NO.  
**18**

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LEGEND	
	PROPOSED MILLING & RSF.
	PROPOSED WIDENING
	PROPOSED CONC. SIDEWALK (6" THK.)
	PROPOSED DETECTABLE WARNINGS

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

PUBLIC WORKS  
 LEE COUNTY  
 SOUTH WEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

# INTERSECTION DETAIL

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

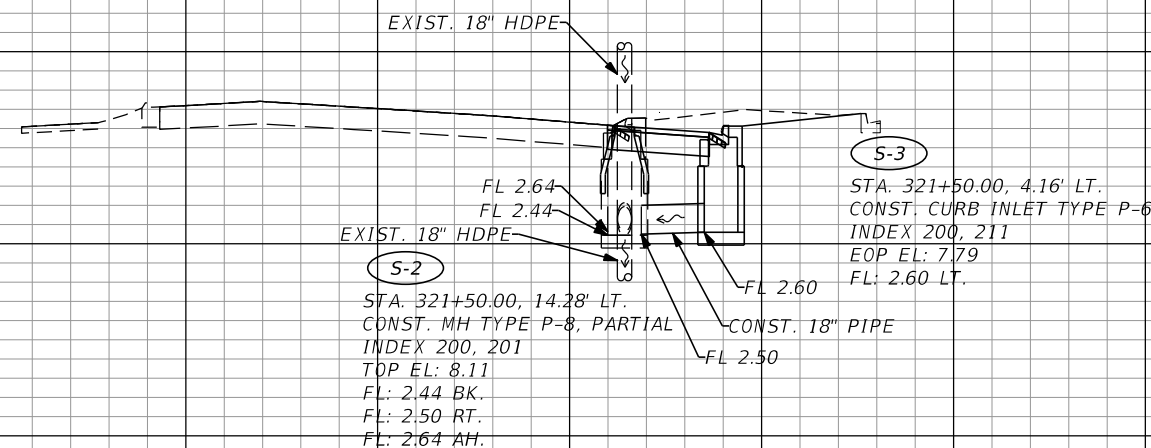
Ⓟ SURVEY SUMMERLIN RD.

**DRAINAGE STRUCTURE NOTES:**

1. 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 THOSE LOCATIONS.
2. ALL DRAINAGE PIPES HAVE OPTIONAL MATERIALS. THE OPTIONAL MATERIALS TABULATION SHEET SHOWS ALL MATERIALS ALLOWED AS WELL AS INDICATING WHICH MATERIAL IS PLOTTED IN THE PLANS AND USED AS THE BASIS FOR PAY QUANTITIES.

12  
10  
8  
6  
4  
2  
0  
-2

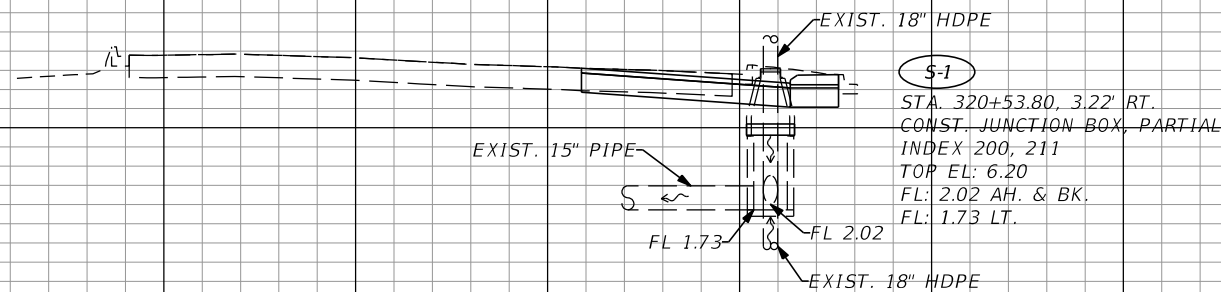
12  
10  
8  
6  
4  
2  
0  
-2



S-3  
S-2  
321+50.00

18  
16  
14  
12  
10  
8  
6  
4  
2  
0

18  
16  
14  
12  
10  
8  
6  
4  
2  
0



S-1  
320+53.80

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

Ⓟ SURVEY SUMMERLIN RD.

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**ELIZABETH LORELLO, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 74699

PUBLIC WORKS  
**LEE COUNTY**  
 S O U T H W E S T  
 F L O R I D A  
 1500 MONROE STREET  
 (239) 479-8900

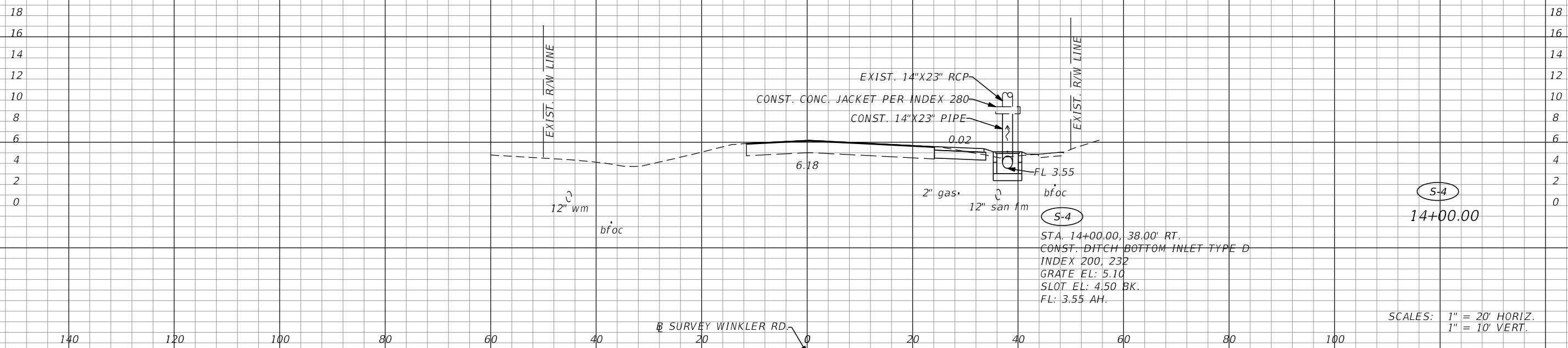
DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

# DRAINAGE STRUCTURES

SHEET NO.  
**20**

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⊕ SURVEY WINKLER RD.



S-4  
14+00.00

S-4  
 STA. 14+00.00, 38.00' RT.  
 CONST. DITCH BOTTOM INLET TYPE D  
 INDEX 200, 232  
 GRATE EL: 5.10  
 SLOT EL: 4.50 BK.  
 FL: 3.55 AH.

SCALES: 1" = 20' HORIZ.  
 1" = 10' VERT.

NO.	DATE	BY	REVISIONS - DESCRIPTION

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 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**ELIZABETH LORELLO, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 74699

PUBLIC WORKS  
 LEE COUNTY  
 S O U T H W E S T  
 F L O R I D A  
 1500 MONROE STREET  
 (239) 479-8900

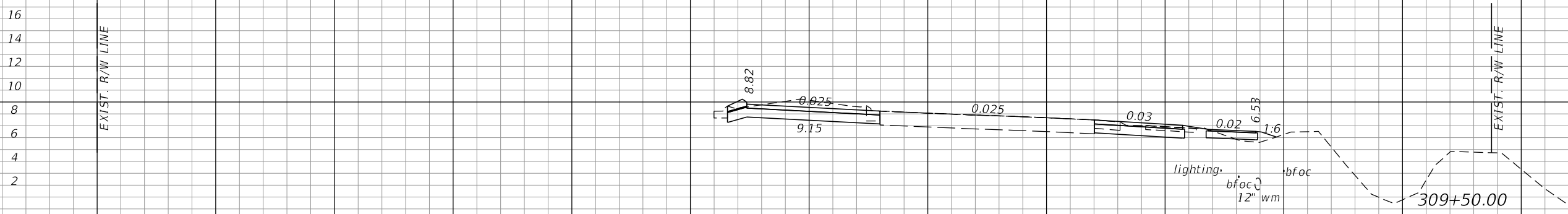
DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

# DRAINAGE STRUCTURES

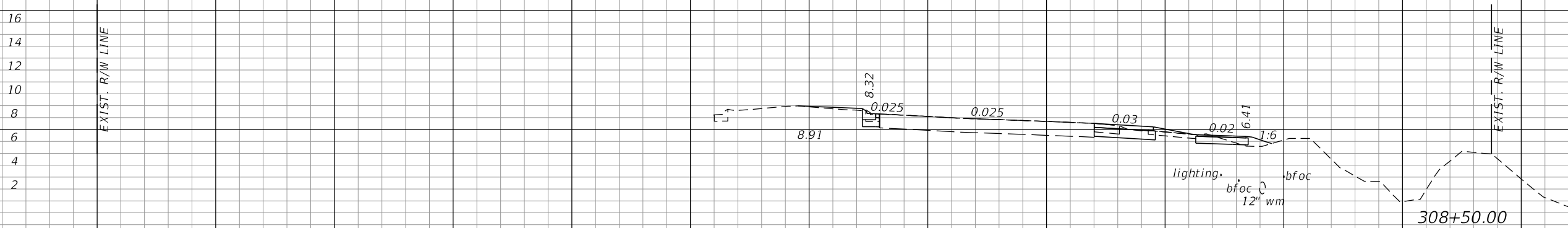
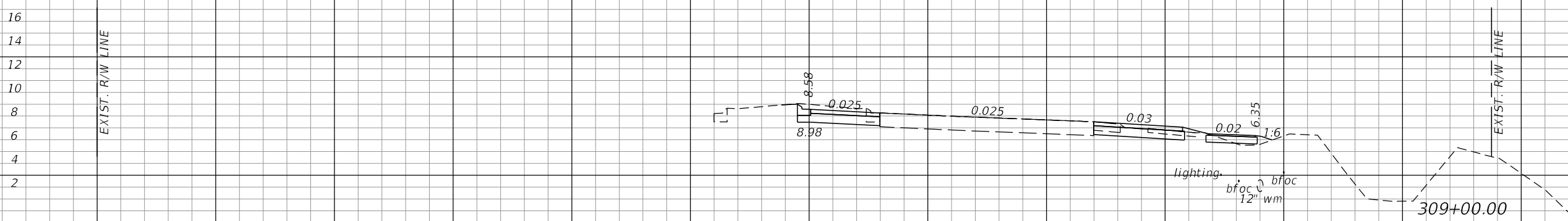
SHEET NO.  
 21

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

B SURVEY  
SUMMERLIN RD



Regular		Exc.		Embankment	
A	V	A	V	A	V
50.4			2.6		
	78.2			4.4	
34.1			2.1		
	46.6			6.0	
16.2			4.4		
	10.0			2.7	
0.0			0.0		



STA. 308+04.93  
BEGIN CONSTRUCTION  
BEGIN EARTHWORK  
BEGIN PROJECT

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

B SURVEY  
SUMMERLIN RD

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
3802 CORPOREX PARK DRIVE STE. 225  
TAMPA, FLORIDA 33619  
TELEPHONE (888) 627-4144  
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CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA CERTIFICATE NO. 41390

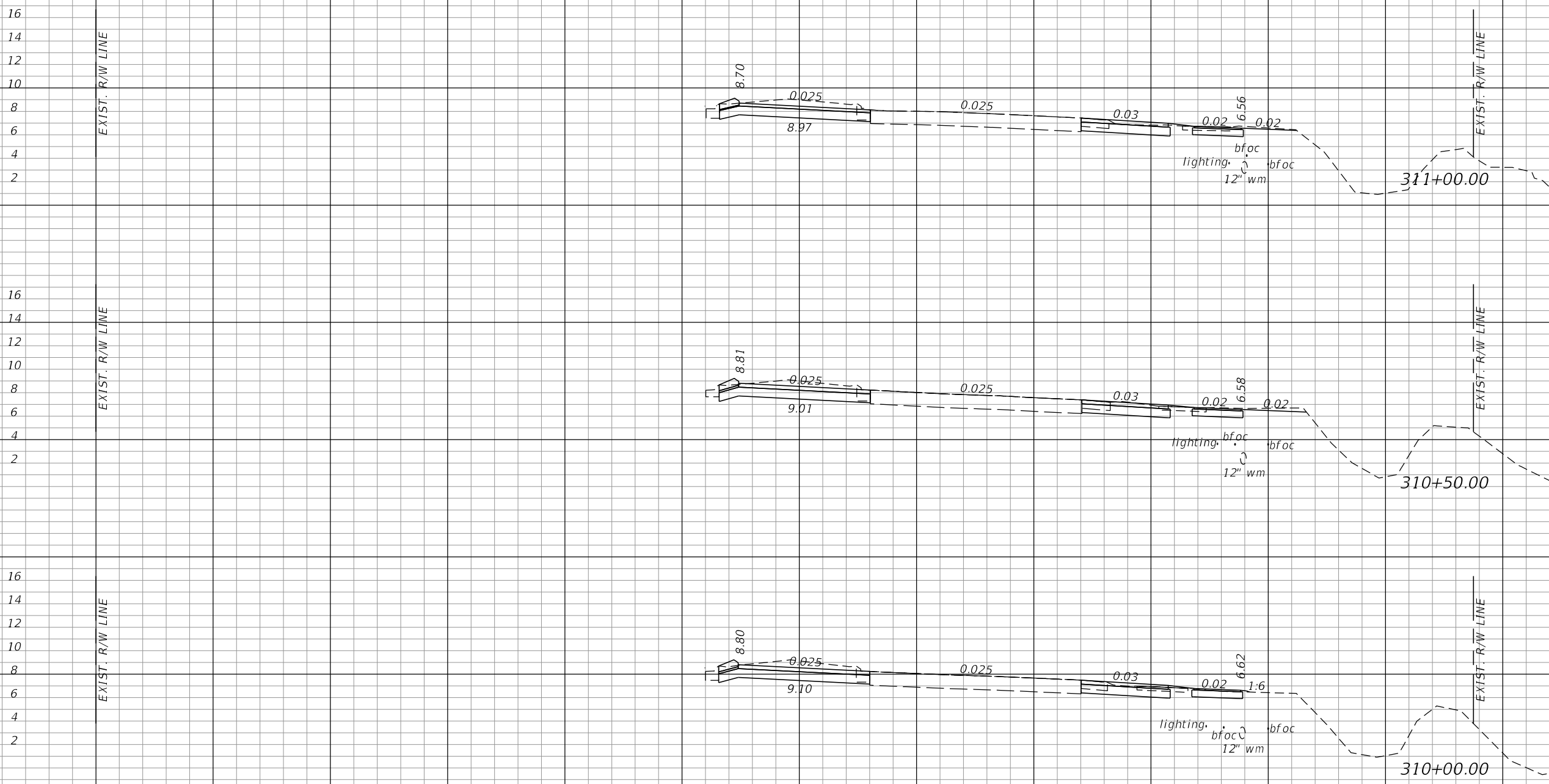
PUBLIC WORKS  
LEE COUNTY  
SOUTHWEST  
FLORIDA  
1500 MONROE STREET  
FORT MYERS, FLORIDA 33901

DEPARTMENT  
of  
TRANSPORTATION

# CROSS SECTIONS

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B SURVEY  
SUMMERLIN RD



Regular		Exc.		Embankment	
A	V	A	V	A	V
55.6			0.4		
	106.0				0.6
58.9			0.3		
	105.7				0.7
55.3			0.5		
	97.9				2.9

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

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

B SURVEY  
SUMMERLIN RD

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
3802 CORPOREX PARK DRIVE STE. 225  
TAMPA, FLORIDA 33619  
TELEPHONE (888) 627-4144  
FAX (813) 664-1899  
CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA CERTIFICATE NO. 41390

PUBLIC WORKS  
LEE COUNTY  
SOUTHWEST  
FLORIDA  
1500 MONROE STREET  
FORT MYERS, FLORIDA 33901  
DEPARTMENT  
of  
TRANSPORTATION

# CROSS SECTIONS

SHEET NO.  
23

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

B SURVEY  
SUMMERLIN RD

18  
16  
14  
12  
10  
8  
6  
4  
2

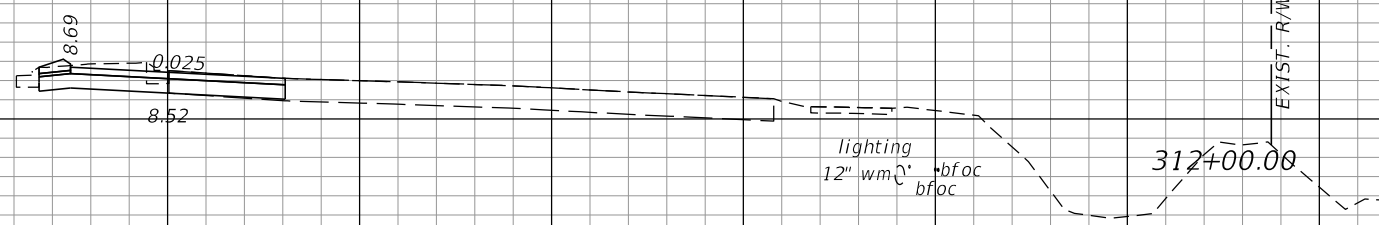
EXIST. R/W LINE



EXIST. R/W LINE

16  
14  
12  
10  
8  
6  
4  
2

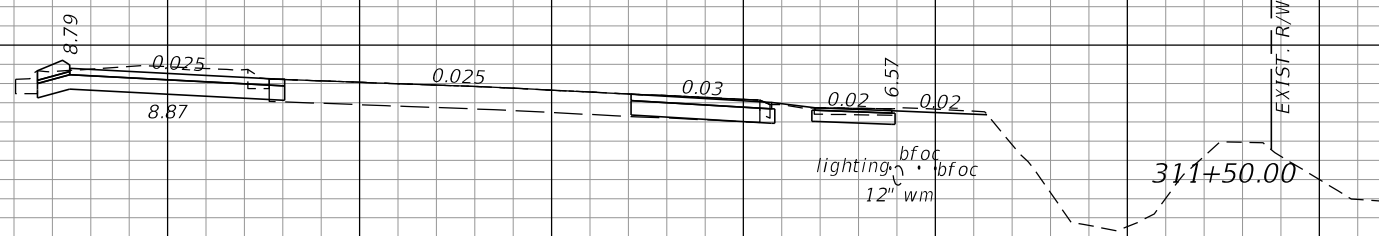
EXIST. R/W LINE



EXIST. R/W LINE

16  
14  
12  
10  
8  
6  
4  
2

EXIST. R/W LINE



EXIST. R/W LINE

B SURVEY  
SUMMERLIN RD

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

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

Regular Exc.		Embankment	
A	V	A	V
0.0		0.0	
31.4	24.0	0.0	0.0
58.0	82.8	0.3	0.3
105.2		0.6	0.6

NO.	DATE	BY	REVISIONS - DESCRIPTION

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1500 MONROE STREET  
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# CROSS SECTIONS

SHEET NO.  
24

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

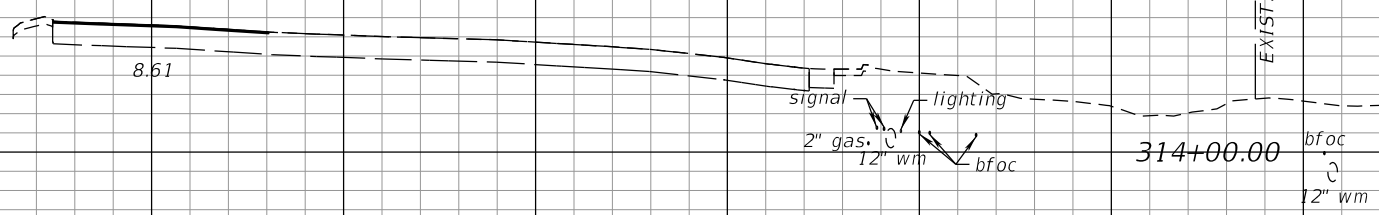


B SURVEY  
SUMMERLIN RD

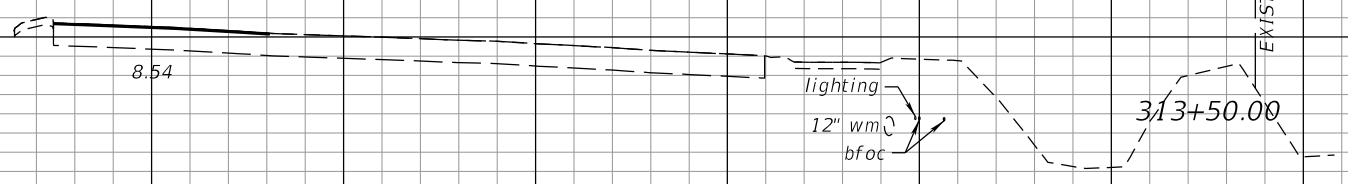
Regular Exc.    Embankment

A    V    A    V

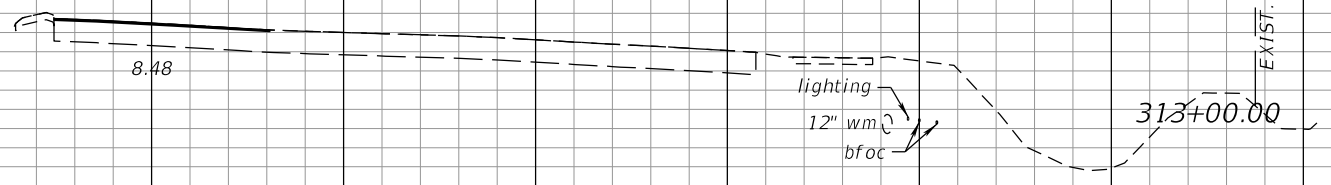
16  
14  
12  
10  
8  
6  
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2  
0



16  
14  
12  
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6  
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2



16  
14  
12  
10  
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4  
2



B SURVEY  
SUMMERLIN RD

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

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

NO.	DATE	BY	REVISIONS - DESCRIPTION

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3802 CORPOREX PARK DRIVE STE. 225  
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PUBLIC WORKS  
LEE COUNTY  
SOUTHWEST  
FLORIDA  
1500 MONROE STREET  
FORT MYERS, FLORIDA 33901  
12391 479-8900

DEPARTMENT  
of  
TRANSPORTATION

# CROSS SECTIONS

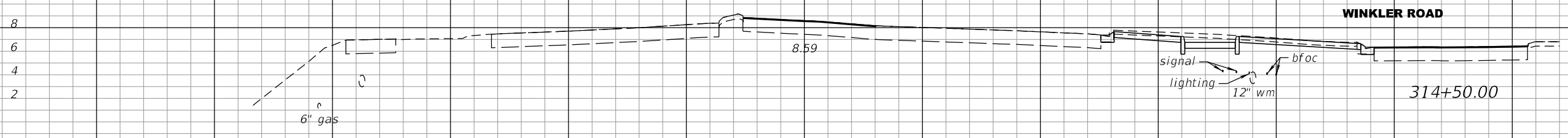
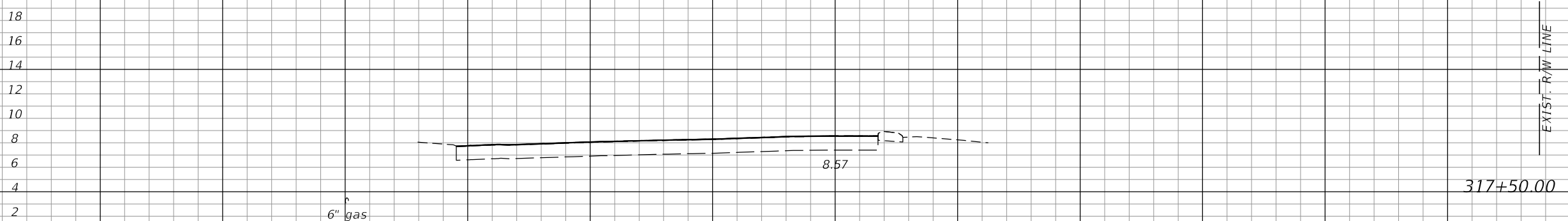
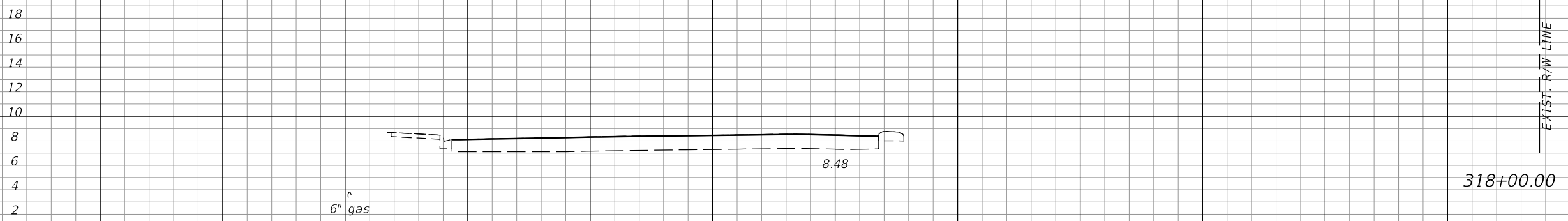
SHEET NO.  
25

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B SURVEY  
SUMMERLIN RD

Regular Exc.    Embankment

A    V    A    V



B SURVEY  
SUMMERLIN RD

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

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

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
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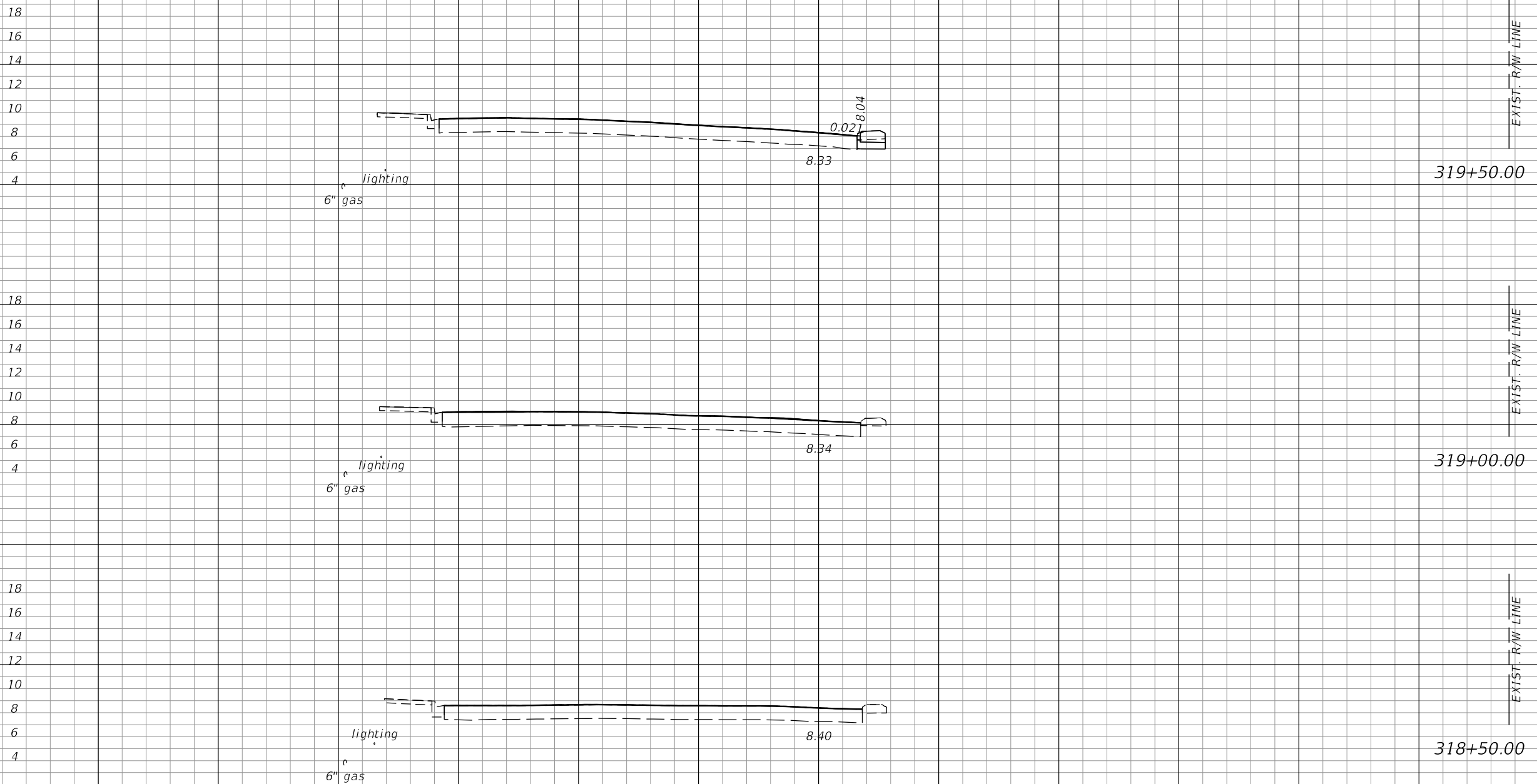
PUBLIC WORKS    DEPARTMENT  
 LEE COUNTY    of  
 SOUTHWEST    TRANSPORTATION  
 FLORIDA  
 1500 MONROE STREET    FORT MYERS, FLORIDA 33901  
 (239) 479-8900

# CROSS SECTIONS

SHEET NO.  
26

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B SURVEY  
SUMMERLIN RD



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

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

B SURVEY  
SUMMERLIN RD

NO.	DATE	BY	REVISIONS - DESCRIPTION

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FAX (813) 664-1899  
CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA CERTIFICATE NO. 41390

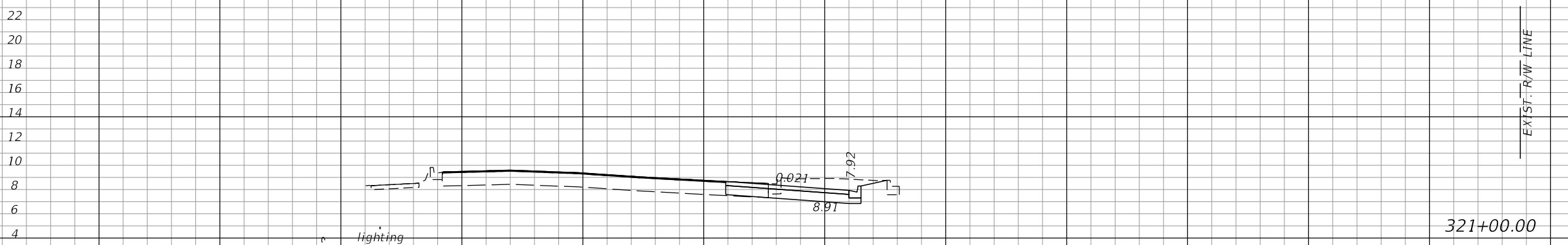
**PUBLIC WORKS**  
**LEE COUNTY**  
**SOUTHWEST**  
**FLORIDA**  
1500 MONROE STREET  
FORT MYERS, FLORIDA 33901  
2391 479-8900

**DEPARTMENT**  
**of**  
**TRANSPORTATION**

**CROSS SECTIONS**

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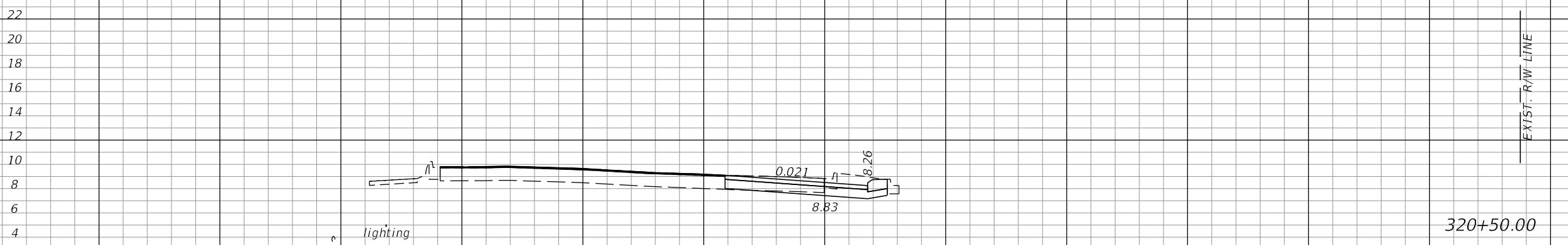
B SURVEY  
SUMMERLIN RD



EXIST. R/W LINE

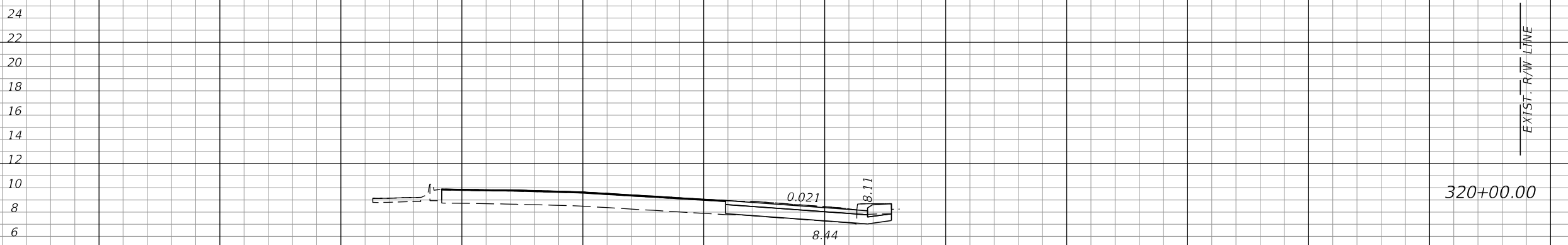
321+00.00

Regular		Exc.		Embankment	
A	V	A	V	A	V
36.5				0.0	
	69.4				0.0
38.5				0.0	
	66.9				0.0
33.8				0.0	
	12.5				0.0
0.0				0.0	



EXIST. R/W LINE

320+50.00



EXIST. R/W LINE

320+00.00

STA. 319+80.00  
BEGIN EARTHWORK

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

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

NO.	DATE	BY	REVISIONS - DESCRIPTION

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LEE COUNTY  
SOUTHWEST  
FLORIDA  
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FORT MYERS, FLORIDA 33901  
2391 479-8900

DEPARTMENT  
of  
TRANSPORTATION

# CROSS SECTIONS

SHEET NO.  
28

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B SURVEY  
SUMMERLIN RD

STA. 322+11.31  
END PROJECT  
END CONSTRUCTION

STA. 322+07.86  
END EARTHWORK

EXIST. R/W LINE

EXIST. R/W LINE

322+00.00

321+50.00

Regular Exc.		Embankment	
A	V	A	V
0.0	0.0	0.0	0.0
3.1	0.5	0.0	0.0
26.0	26.9	0.0	0.0
57.9	0.0	0.0	0.0

24  
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14  
12  
10  
8  
6  
4

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

6" gas lighting

6" gas lighting

B SURVEY  
SUMMERLIN RD

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

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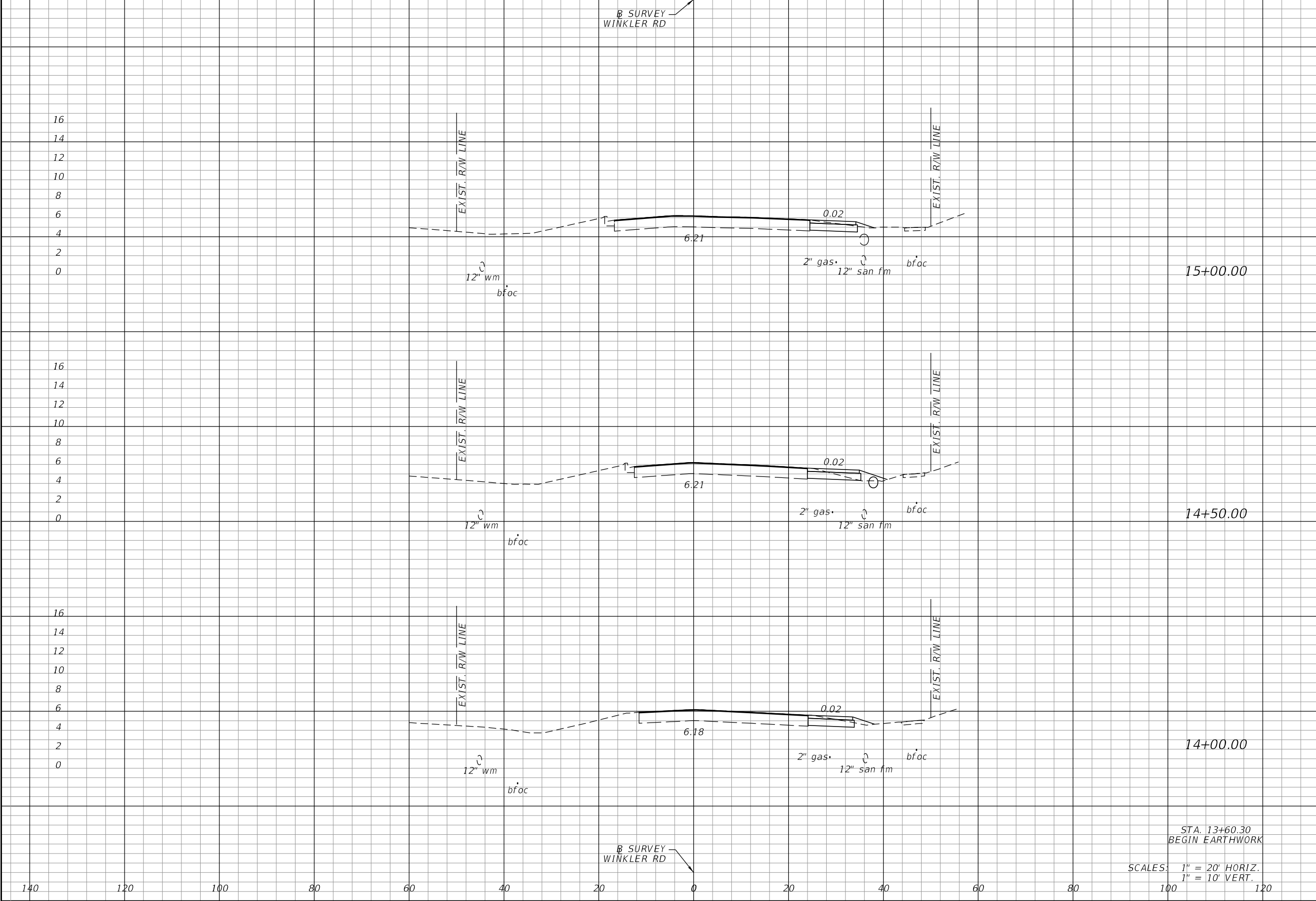
APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
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PUBLIC WORKS  
LEE COUNTY  
SOUTHWEST  
FLORIDA  
1500 MONROE STREET  
FORT MYERS, FLORIDA 33901  
DEPARTMENT  
of  
TRANSPORTATION

# CROSS SECTIONS

SHEET NO.  
29

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Regular		Exc.		Embankment	
A	V	A	V	A	V
8.4			1.0		
6.6	13.9		3.5		4.2
7.9	13.4		1.6		4.7
0.0	5.8		0.0		1.2

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
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PUBLIC WORKS  
 LEE COUNTY  
 SOUTH WEST  
 FLORIDA  
 1500 MONROE STREET  
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DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

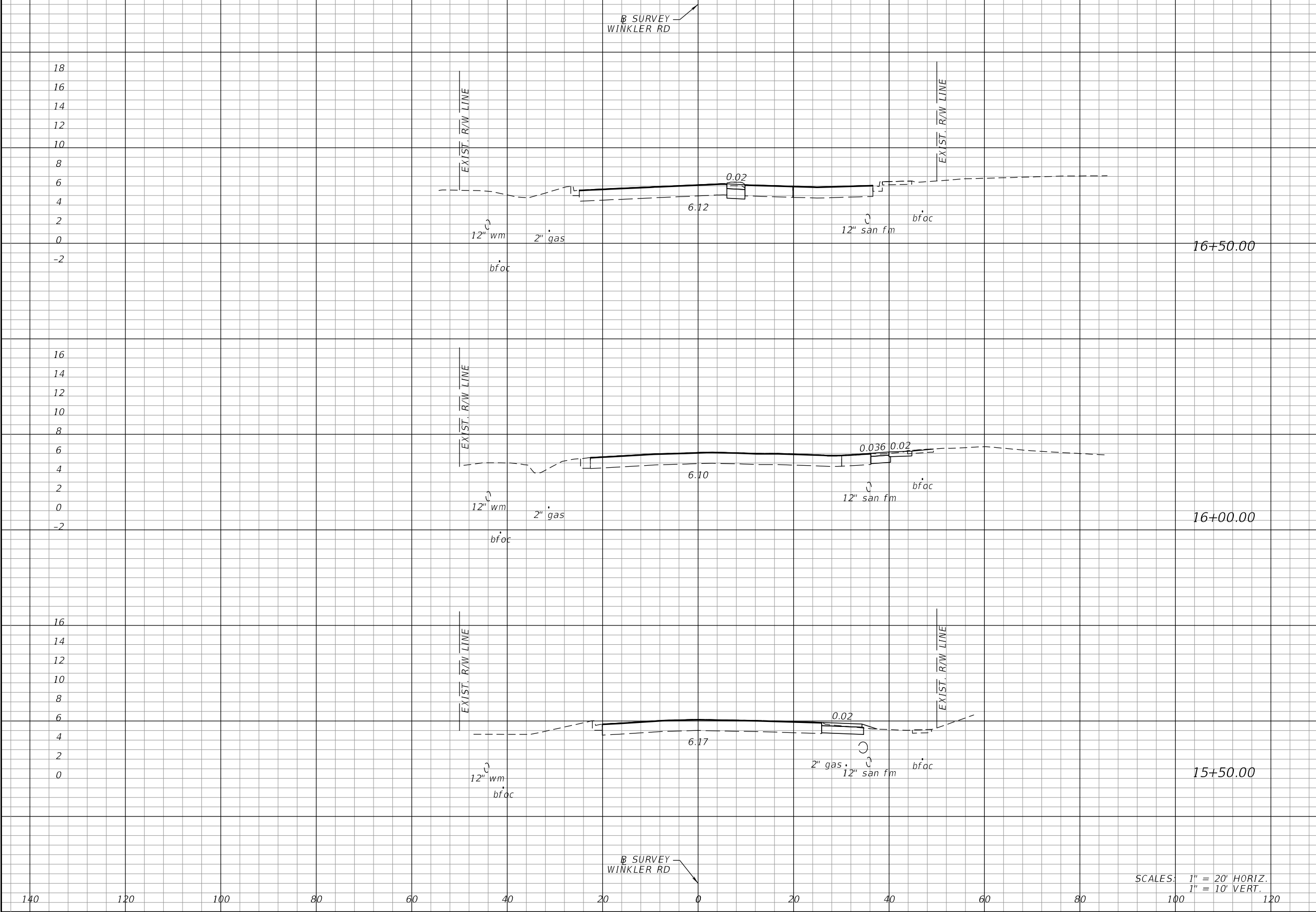
# CROSS SECTIONS

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.

Regular Exc.    Embankment

A    V    A    V



Regular Exc.		Embankment	
A	V	A	V
6.4		0.0	
	14.7		0.0
9.5		0.0	
	15.4		0.6
7.1		0.6	
	14.4		1.5

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

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

NO.	DATE	BY	REVISIONS - DESCRIPTION

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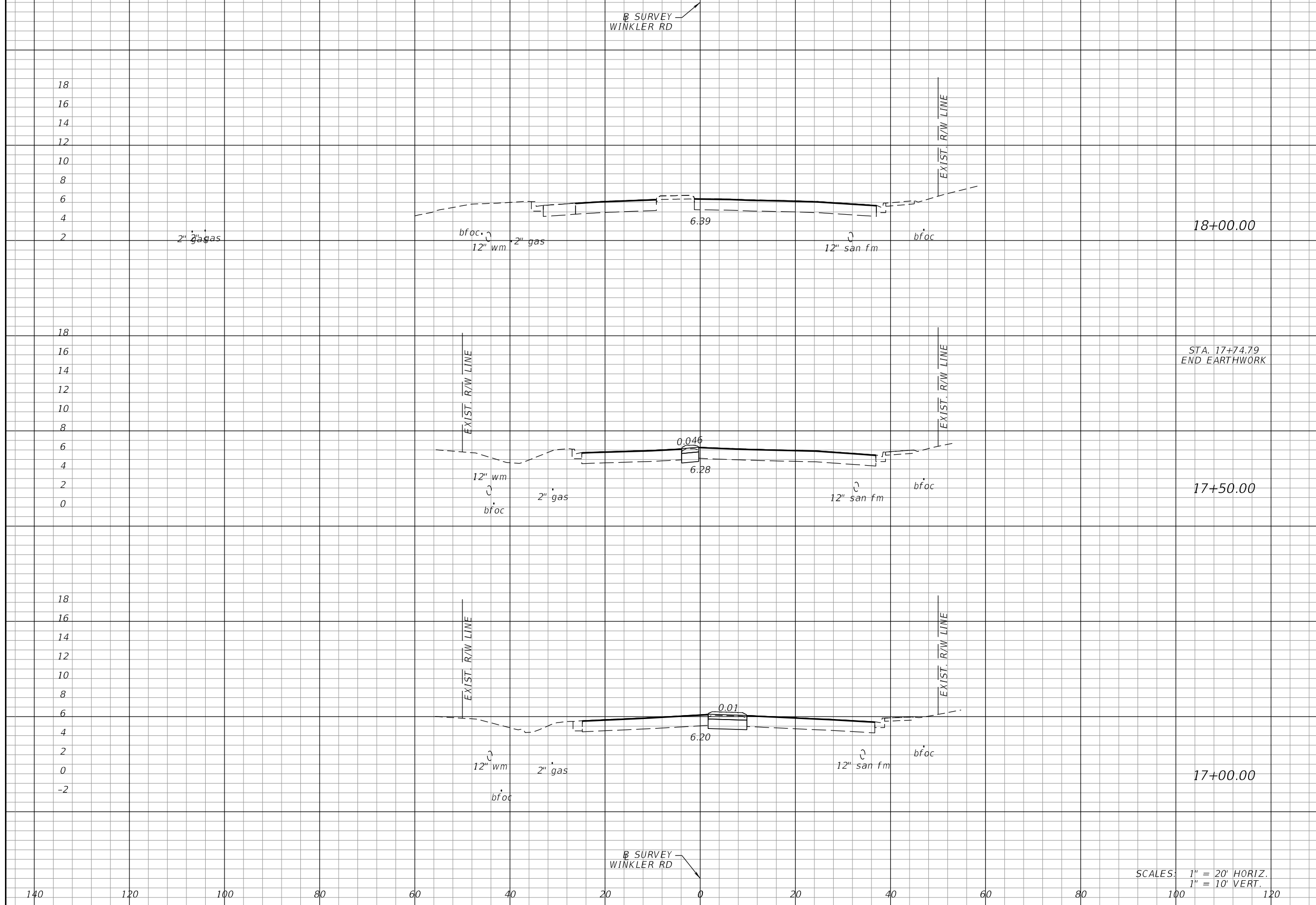
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PUBLIC WORKS    DEPARTMENT  
 LEE COUNTY    of  
 S O U T H W E S T    TRANSPORTATION  
 F L O R I D A  
 1500 MONROE STREET    FORT MYERS, FLORIDA 33901  
 (239) 479-8900

# CROSS SECTIONS

SHEET NO.  
31

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	Regular		Exc.		Embankment	
	A	V	A	V	A	V
18+00.00						
STA. 17+74.79 END EARTHWORK	0.0		0.0			
17+50.00		2.8		0.0		
	6.2		0.0			
17+00.00		19.0		0.0		
	14.3		0.0			
		19.2		0.0		

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

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 SOUTHWEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

# CROSS SECTIONS

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Regular Exc.    Embankment

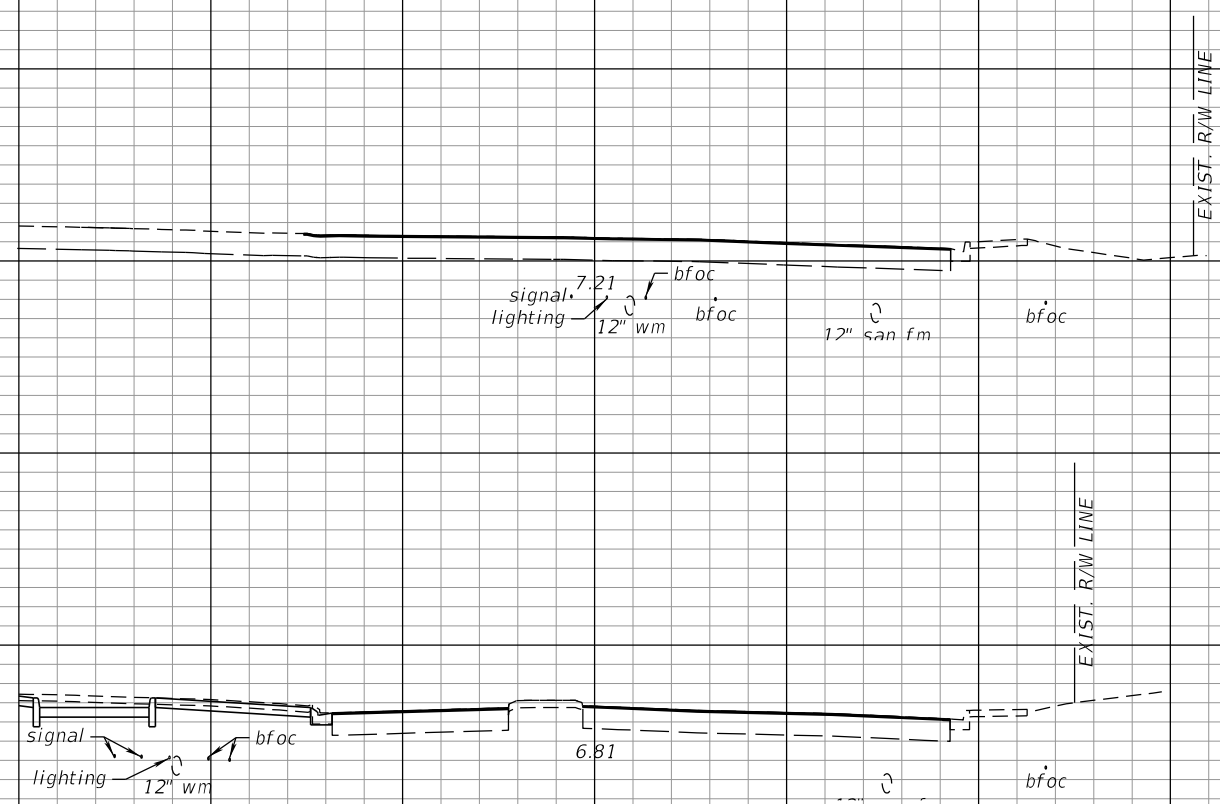
A    V    A    V

B SURVEY  
WINKLER RD

18  
16  
14  
12  
10  
8  
6  
4  
2

18  
16  
14  
12  
10  
8  
6  
4  
2

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



19+00.00

18+50.00

SCALES: 1" = 20' HORIZ.  
1" = 10' VERT.

B SURVEY  
WINKLER RD

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PUBLIC WORKS    DEPARTMENT  
 LEE COUNTY    of  
 SOUTHWEST    TRANSPORTATION  
 FLORIDA  
 1500 MONROE STREET    FORT MYERS, FLORIDA 33901  
 (239) 479-8900

**CROSS SECTIONS**

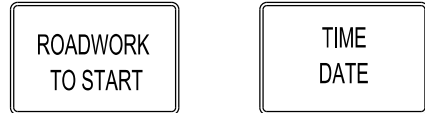
SHEET NO.  
33

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

**TRAFFIC CONTROL GENERAL NOTES:**

- EXISTING STREET NAME SIGNS SHALL REMAIN VISIBLE DURING THE DURATION OF CONSTRUCTION OPERATIONS IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.
- IF EXISTING SIGNS SHOWN IN THE PLANS TO BE RELOCATED ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE (TO CURRENT STANDARDS).
- THE EXISTING SPEED LIMITS SHALL REMAIN IN EFFECT FOR ALL TRAFFIC CONTROL AREAS. THE POSTED SPEED IS 45-50 MPH.
- PLACE THREE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) (1 EASTBOUND SUMMERLIN, 1 WESTBOUND SUMMERLIN, AND 1 NORTHBOUND WINKLER) APPROXIMATELY 500 FEET IN ADVANCE OF THE WORK ZONES WITH MESSAGES AS SHOWN BELOW.

TO BE PLACED 7 DAYS PRIOR TO START OF CONSTRUCTION UNTIL START OF CONSTRUCTION.



PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS)

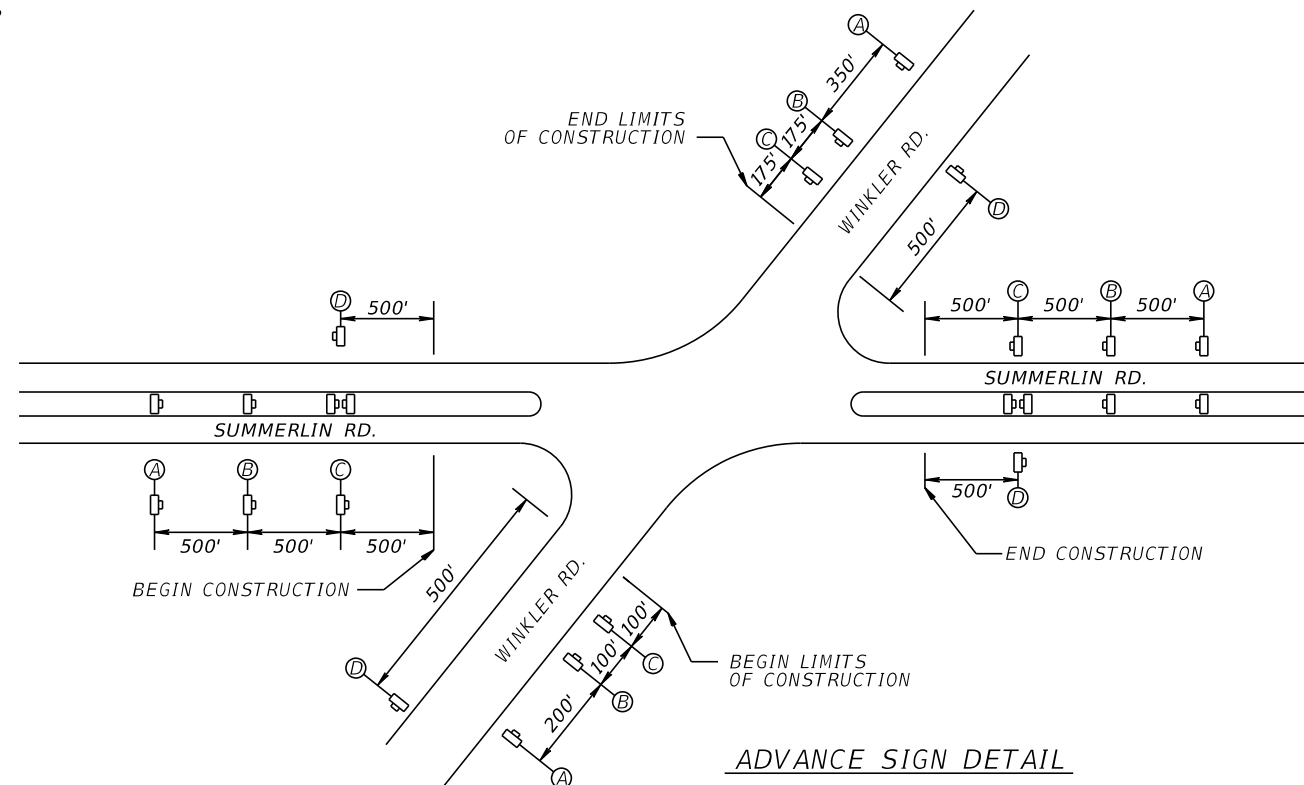
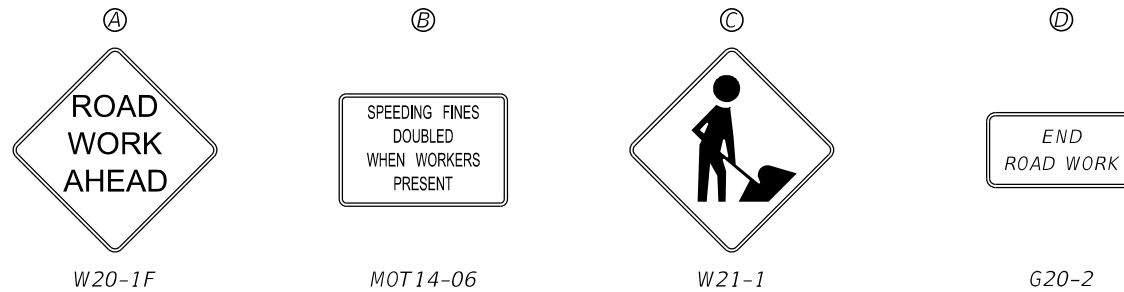
**CONSTRUCTION PHASING NOTES:**

- PHASE 1 - TURN LANE & SHARED USE PATH CONSTRUCTION
- PLACE ALL ADVANCE SIGNING, TRAFFIC CONTROL DEVICES, AND SET UP EROSION CONTROL UTILIZING FDOT STANDARD PLANS 102-600 SERIES.
  - CONSTRUCT WIDENING FOR BIKE LANE AND TURN LANES UTILIZING FDOT STANDARD PLANS NUMBERS 102-600, 102-602, 102-612, 102-613, AND/OR 102-615.
  - CONSTRUCT SHARED USE PATH UTILIZING FDOT STANDARD PLANS NUMBERS 102-600, 102-612 AND 102-660.
  - CONSTRUCT CURB RAMP IMPROVEMENTS AT WINKLER ROAD INTERSECTION UTILIZING FDOT STANDARD PLANS NUMBERS 102-600, 102-613 AND/OR 102-660.
  - APPLY FINAL PAVEMENT MARKINGS AND RPM'S.
  - ALL EXISTING PAVEMENT MARKINGS THAT HAVE BEEN ALTERED WILL BE REPLACED UPON COMPLETION OF THE PROJECT.

**LANE CLOSURE NOTES:**

- THE FOLLOWING LANE CLOSURE RESTRICTIONS APPLY TO THIS PROJECT: NORTHBOUND AND SOUTHBOUND TRAFFIC - NO LANE CLOSURES FROM 6:30 AM TO 6:00 PM.
- PROVIDE NOTIFICATION TO LAW ENFORCEMENT AGENCIES, LOCAL FIRE DEPARTMENTS, AND EMERGENCY MEDICAL SERVICES FOR ANE CLOSURES IN EXCESS OF TWO (2) HOURS IN DURATION.
- A MINIMUM OF ONE WEEK IN ADVANCE NOTIFICATION OF ANY PROPOSED LANE CLOSURE EXCEEDING TWO HOURS IN DURATION MUST BE PROVIDED TO THE LOCAL OPERATIONS CENTER AND DISTRICT PUBLIC INFORMATION OFFICE. TWO WEEK NOTIFICATION IS RECOMMENDED. THIS NOTIFICATION WILL BE PROVIDED BY THE SAME RESPONSIBLE PARTIES IDENTIFIED TO NOTIFY LAW ENFORCEMENT/FIRE/EMS ABOVE.
- THE COUNTY RESERVES THE RIGHT TO MODIFY PREVIOUSLY APPROVED OR SPECIFIED TIMES OF CLOSURES WHEN, IN THE OPINION OF THE ENGINEER, IT BECOMES NECESSARY TO DO SO.
- THE COUNTY MAY DIRECT ADDITIONAL DAYS WHEN NO LANE CLOSURES OR DETOURS MAY BE PERMITTED. THE CONTRACTOR WILL BE PROVIDED NO LESS THAN 7 DAYS NOTICE OF THESE EVENTS, AND THEY SHALL BE AT NO ADDITIONAL COST OR TIME TO THE COUNTY.

**LEGEND:**



NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

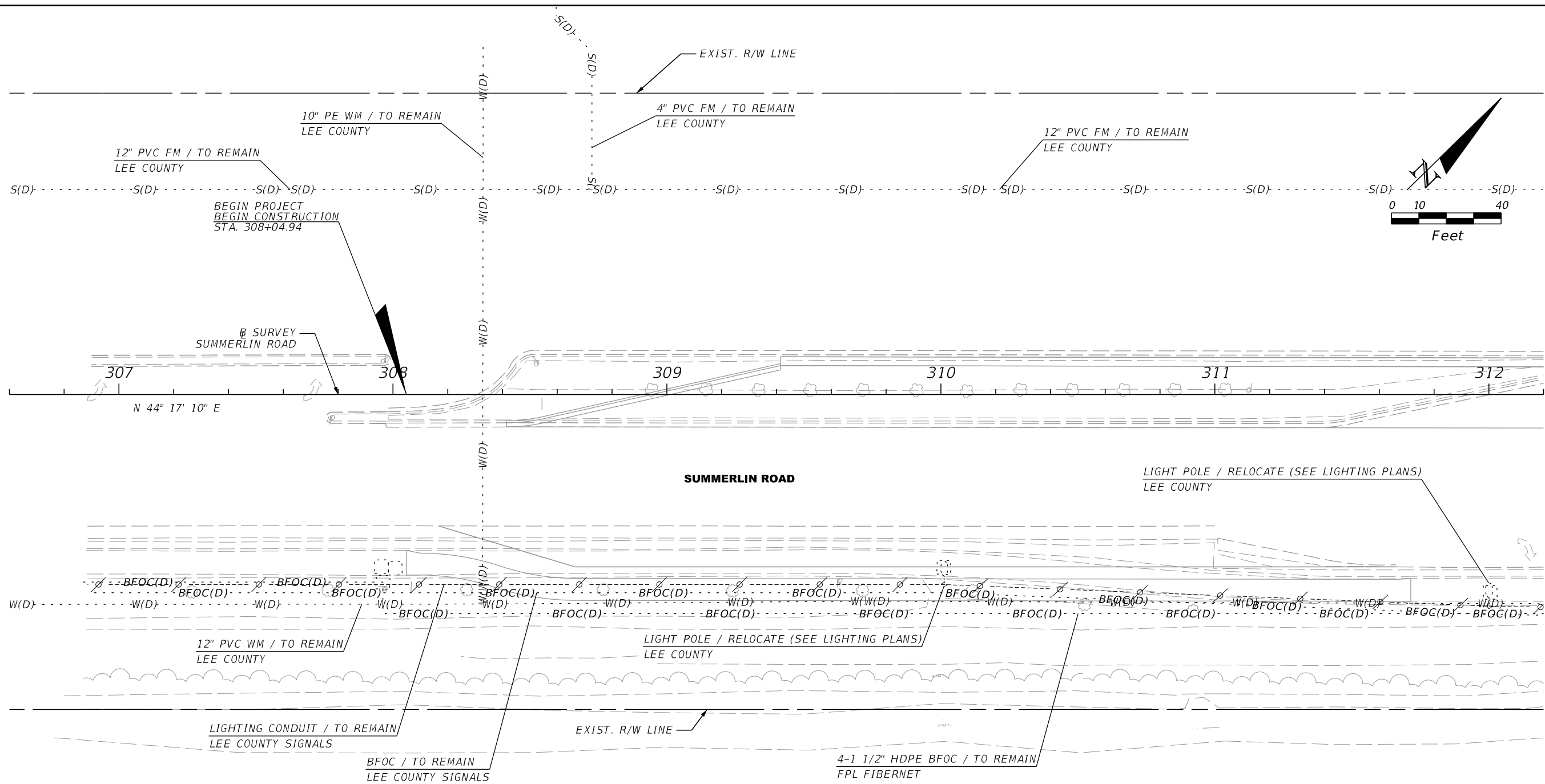
APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

PUBLIC WORKS DEPARTMENT  
 LEE COUNTY of  
 SOUTHWEST FLORIDA TRANSPORTATION  
 1500 MONROE STREET FORT MYERS, FLORIDA 33901  
 (239) 479-8900

**TEMPORARY TRAFFIC CONTROL PLAN**

SHEET NO.  
**34**

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**GENERAL NOTES:**

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS AND CROSS SECTIONS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.
2. NOTIFY UTILITY OWNERS THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (1-800-432-4770) AND UTILITY OWNERS LISTED BELOW IN TWO BUSINESS DAYS (OR 10 DAYS IF DIGGING UNDER WATER) IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

**UTILITY AGENCY/OWNERS:**

COMPANY	CONTACT	TELEPHONE
CENTURY LINK	JIM NOTTINGHAM	239-336-2035
COMCAST	MARK COOK	239-432-1805
COMCAST CABLEVISION OF WEST FL.	GREG LAMB	239-334-8828 EXT. 129
FLORIDA POWER & LIGHT	JAMEL BAKER	239-947-7356
FPL FIBERNET LLC	DANNY HASKETT	305-552-2931
LEE COUNTY SIGNALS	JAMES FOOSE	239-533-9500
LEE COUNTY UTILITIES	DAVID REYCRAFT	239-533-8150
SUMMIT BROADBAND INC.	MIKE REBER	239-325-4105 EXT. 261
TECO-PEOPLE'S GAS	MARILYN ALOI	239-896-0812

NO.	DATE	BY	REVISIONS - DESCRIPTION

**AIM ENGINEERING & SURVEYING, INC.**  
 3802 CORPOREX PARK DRIVE STE. 225  
 TAMPA, FLORIDA 33619  
 TELEPHONE (888) 627-4144  
 FAX (813) 664-1899  
 CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:  
**JAMES E. TOOMBS, P.E.**  
 REGISTERED PROFESSIONAL ENGINEER  
 FLORIDA CERTIFICATE NO. 41390

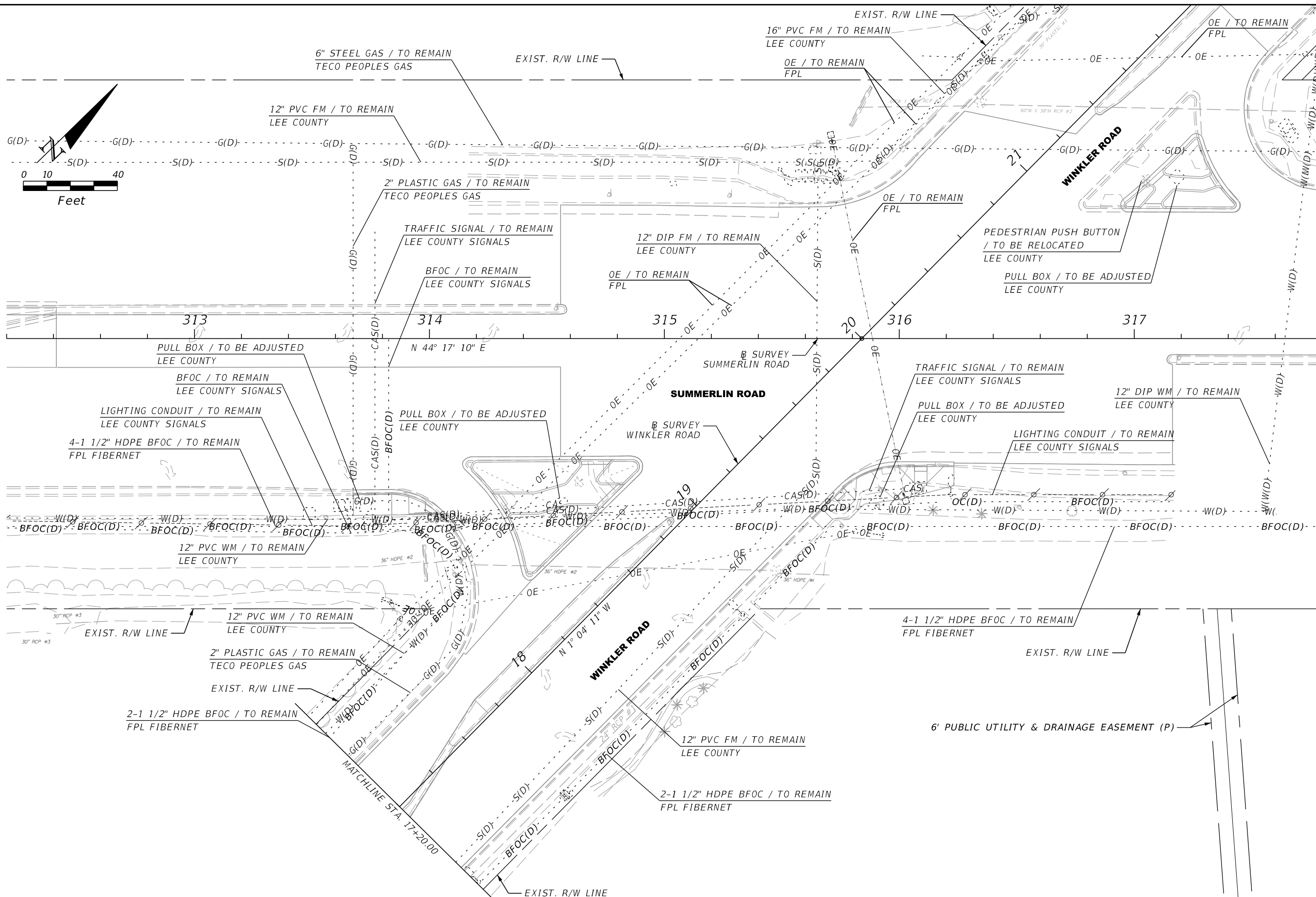
PUBLIC WORKS  
 LEE COUNTY  
 SOUTHWEST  
 FLORIDA  
 1500 MONROE STREET  
 (239) 479-8900

DEPARTMENT  
 of  
 TRANSPORTATION  
 FORT MYERS, FLORIDA 33901

**UTILITY ADJUSTMENTS**

SHEET NO.  
**35**

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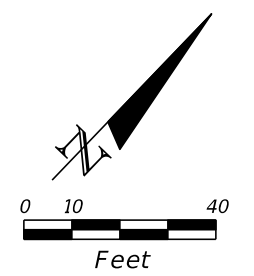
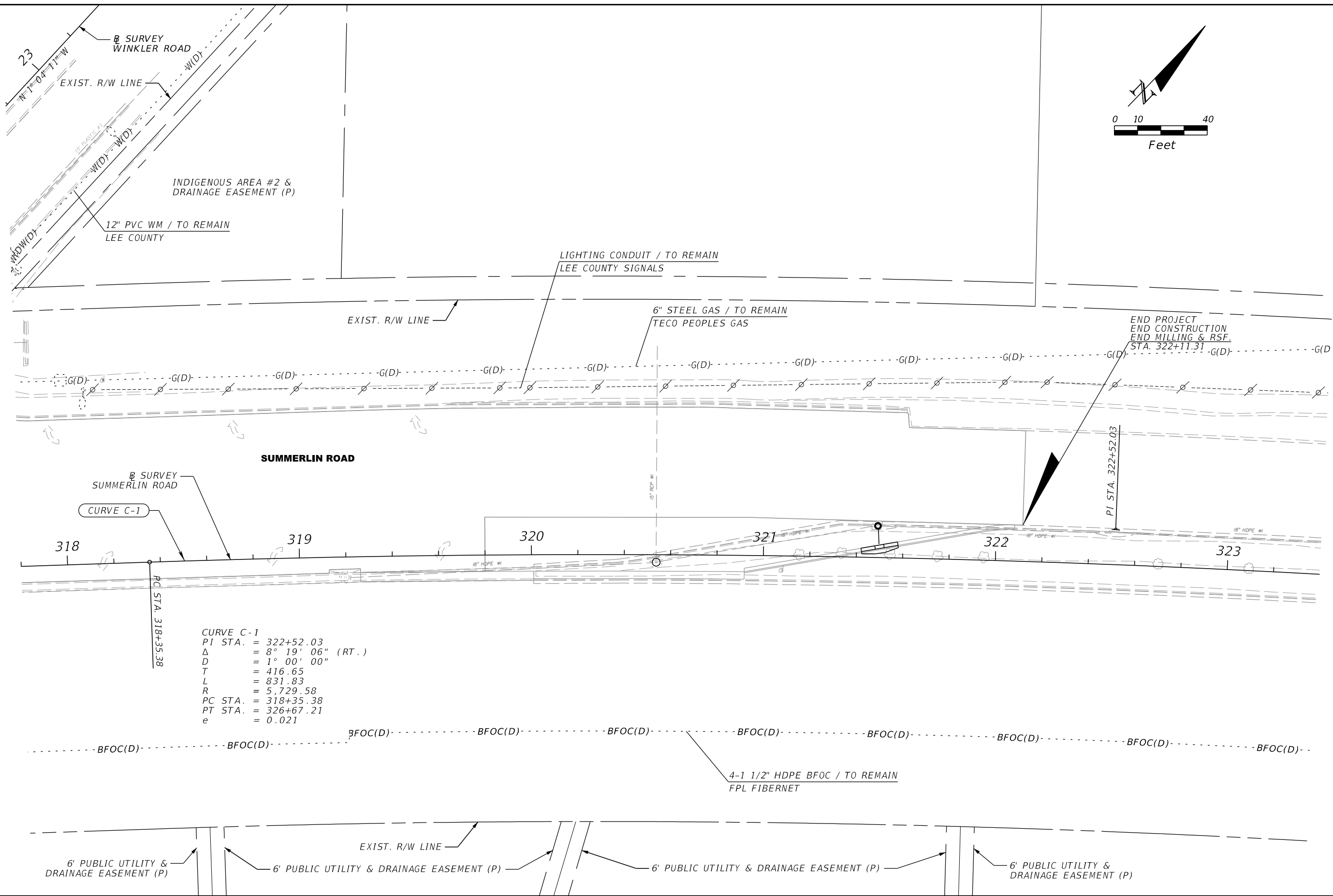
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## UTILITY ADJUSTMENTS



**CURVE C-1**  
 PI STA. = 322+52.03  
 $\Delta$  = 8° 19' 06" (RT.)  
 D = 1° 00' 00"  
 T = 416.65  
 L = 831.83  
 R = 5,729.58  
 PC STA. = 318+35.38  
 PT STA. = 326+67.21  
 e = 0.021

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**SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNITS	SECONDARY UNITS (IF LUMP SUM)	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
						AREA (AC)	P	F	P	F		
0110-1-1	CLEARING & GRUBBING	308+04.92 to 311+71.53	RT.	9367	LS	0.239			1		0.64 TOTAL AC	
		308+41.45 to 312+41.43	LT./RT.	9702		0.191						
		315+67.57 to 316+23.28	RT.	11395		0.011						
		319+80.00 to 321+34.53	LT./RT.	9632		0.048						
		320+00.94 to 322+08.43	LT./RT.	9672		0.078						
		13+60.30 to 16+04.96	RT.	12081		0.076						
0110-4-10	REMOVAL OF EXISTING CONCRETE	308+41.45 to 312+41.58	LT./RT.	10263	SY		101.7		735			
		313+67.47 to 314+07.12	RT.	10235			39.5					
		314+23.72 to 314+85.87	RT.	10632			129.3					
		315+61.88 to 316+23.27	RT.	10046			72.1					
		316+77.85 to 317+44.24	LT.	9989			203.2					
		319+26.21 to 320+00.97	RT.	11444			41.2					
		320+00.97 to 322+07.86	LT./RT.	9949			45.9					
		16+32.44 to 16+49.03	RT.	12048			5.5					
		16+35.15 to 16+49.05	RT.	12040			11.8					
		16+49.62 to 17+74.79	LT./RT.	10079			84.9					

**SUMMARY OF EARTHWORK**

PAY ITEM NO.	PAY ITEM DESCRIPTION	CY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
0120-1	REGULAR EXCAVATION				
	SUMMERLIN ROAD STA. 308+04.93 TO STA. 312+41.22	659.90			
	SUMMERLIN ROAD STA. 319+80.00 TO STA. 322+07.86	234.17			
	WINKLER ROAD	118.56			
	TOTAL REGULAR EXCAVATION	1012.6			
0120-6	EMBANKMENT				
	SUMMERLIN ROAD STA. 308+04.93 TO STA. 312+41.22	19.23			
	SUMMERLIN ROAD STA. 319+80.00 TO STA. 322+07.86	0.00			
	WINKLER ROAD	12.10			
	TOTAL EMBANKMENT	31.3			

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 FLORIDA  
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DEPARTMENT  
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**SUMMARY OF QUANTITIES**

SHEET NO.  
 SQ-3

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**SUMMARY OF PAVEMENT**


PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION		SIDE	AREA ID	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STA. TO STA.	DESCRIPTION				P	F	P	F		
0160 4	TYPE B STABILIZATION	308+04.93 to 311+71.55		RT.	10566	SY	602.8		603			
285705	OPTIONAL BASE, BASE GROUP 05	308+04.93 to 311+71.54		RT.	5509	SY	354.3		354			
285715	OPTIONAL BASE, BASE GROUP 15	13+60.30 to 16+10.34		RT.	6701	SY	246.8		2266			
		16+49.62 to 17+56.17		LT./RT.	6534		71.7					
		308+16.56 to 311+66.56		RT.	6389		546.8					
		308+41.49 to 312+41.22		LT./RT.	6669		868.9					
		316+77.85 to 317+29.24		LT.	6608		101.0					
		319+80.00 to 322+05.40		LT./RT.	7347		431.2					
0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	13+60.34 to 18+00.00		LT./RT.	9135	SY	2389.9		10753			
		18+00.00 to 19+93.15		LT./RT.	5059		919.6					
		20+11.68 to 22+08.37		LT./RT.	8579		564.3					
		312+41.22 to 314+58.53		LT./RT.	8280		542.0					
		314+55.84 to 317+16.31		LT./RT.	10705		3030.6					
		317+16.08 to 322+11.31		LT./RT.	8605		3306.5					
0334 1 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	13+60.30 to 16+10.33		RT.	9216	TN	39.16		393.0		3" LIFT	
		16+47.82 to 17+56.17		LT./RT.	7676		11.82				3" LIFT	
		308+04.93 to 311+71.54		RT.	8012		26.99				1.5" LIFT	
		308+16.56 to 311+66.56		RT.	7577		88.06				3" LIFT	
		308+41.45 to 312+41.22		LT./RT.	9198		140.92				3" LIFT	
		316+77.85 to 317+29.24		LT.	7699		16.34				3" LIFT	
		319+80.00 to 322+05.38		LT./RT.	9207		69.75				3" LIFT	
0337 7 90	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-9.5, HIGH POLYMER	13+60.30 to 18+00.00		LT./RT.	10520	TN	148.45		713.3			
		18+00.00 to 19+93.15		LT./RT.	7161		50.58					
		20+11.68 to 22+08.37		LT./RT.	10595		41.34					
		308+16.56 to 311+66.56		RT.	10568		29.35					
		308+41.45 to 314+58.53		LT./RT.	10147		76.84					
		314+55.84 to 317+16.31		LT./RT.	10747		166.68					
		316+97.24 to 322+11.31		LT./RT.	10676		200.10					

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 PUBLIC WORKS  
 LEE COUNTY  
 S O U T H W E S T  
 F L O R I D A  
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**SUMMARY OF QUANTITIES**


SHEET NO.  
**SQ-4**

**SUMMARY OF CURB & GUTTER AND TRAFFIC SEPARATORS**

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION STA. TO STA.	SIDE	AREA ID	UNIT	QUANTITY				TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS	
						GROSS LENGTH	DEDUCTIONS		NET LENGTH		P			F
							TYPE	LENGTH	P	F				
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	308+41.45 to 309+41.44	LT./RT.		LF	102.2			102.2		446			
		314+88.43 to 314+88.43	RT.			208.1			208.1					
		316+94.25 to 317+44.96	LT.			81.2			81.2					
		316+94.25 to 317+44.96	LT.			54.1			54.1					
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	313+67.47 to 314+07.00	RT.		LF	42.7			42.7		230			
		315+61.86 to 316+23.28	RT.			69.4			69.4					
		320+91.77 to 322+07.85	LT./RT.			118.1			118.1					
0520 2 4	CONCRETE CURB, TYPE D	314+26.16 to 314+64.38	RT.		LF	46.9			46.9		192			
		314+33.77 to 314+71.28	RT.			43.8			43.8					
		314+71.74 to 314+83.34	RT.			25.1			25.1					
		317+01.54 to 317+08.58	LT.			17.1			17.1					
		317+12.06 to 317+37.57	LT.			32.9			32.9					
		317+12.86 to 317+32.84	LT.			25.9			25.9					
0520 5 11	TRAFFIC SEPARATOR, CONCRETE, TYPE I, 4' WIDE	319+26.23 to 320+00.95	RT.		LF	37.3			37.3		37			
0520 70	CONCRETE TRAFFIC SEPARATOR, SPECIAL - VARIABLE WIDTH	17+54.51 to 17+74.79	LT.	7310	SY	13.3			13.3		155			
		309+41.44 to 312+41.22	LT.	7303		108.3			108.3					
		320+00.95 to 320+91.77	RT.	11546		32.9			32.9					


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**SUMMARY OF QUANTITIES**

SHEET NO.  
**SQ-5**


SUMMARY OF SIDEWALK & DETECTABLE WARNINGS								
LOCATION  STA. TO STA.	SIDE	AREA ID	CONC SIDEWALK 6"		DETECTABLE WARNINGS		DESIGN NOTES	CONSTRUCTION REMARKS
			0522 2		0527 2			
			SY		SF			
P	F	P	F					
15+81.31 to 16+04.87	RT.	14264	12.5					
16+34.43 to 16+49.05	RT.	14225	13.5					
313+67.49 to 314+03.92	RT.	7898	29.4					
314+19.09 to 314+63.80	RT.	13442	52.3					
314+26.16 to 314+83.34	RT.	13560	58.6					
314+34.42 to 314+70.75	RT.	13494	57.7					
314+72.31 to 314+88.00	RT.	13453	12.5					
315+63.28 to 316+23.27	RT.	7993	75.9					
316+96.77 to 317+08.01	LT.	12539	5.2					
317+01.54 to 317+37.57	LT.	12652	23.6					
317+12.62 to 317+42.51	LT.	12567	20.3					
317+13.38 to 317+32.17	LT.	12597	19.2					
15+96.08 to 16+04.87	RT.	14315			15.1			
16+35.47 to 16+42.04	RT.	14286			15.5			
313+98.23 to 314+03.67	RT.	12702			9.6			
314+26.16 to 314+34.54	RT.	12709			21.9			
314+62.84 to 314+78.58	RT.	12716			24.9			
314+71.28 to 314+83.34	RT.	12759			27.3			
315+72.23 to 315+77.70	RT.	14276			11.5			
316+06.48 to 316+11.82	RT.	14281			10.7			
317+01.54 to 317+13.54	LT.	8644			17.4			
317+04.75 to 317+12.86	LT.	8638			15.6			
317+32.03 to 317+37.57	LT.	8650			11.9			
SUB-TOTAL:			380.7		181.4			
TOTAL:			381		181			

SUMMARY OF PERFORMANCE TURF						
LOCATION  STA. TO STA.	SIDE	AREA ID	PERFORMANCE TURF (SOD)		DESIGN NOTES	CONSTRUCTION REMARKS
			0570 1 2			
			SY			
P	F					
13+60.30 to 15+99.75	RT.	14341	110.3			
15+83.11 to 16+07.18	RT.	14352	9.0			
308+04.92 to 311+71.54	RT.	9155	217.8			
308+04.93 to 311+71.55	RT.	9142	176.3			
308+41.45 to 309+41.44	LT./RT.	12793	148.4			
315+67.57 to 316+23.24	RT.	9195	34.3			
320+91.77 to 322+08.43	LT./RT.	12801	178.1			
FROM DRAINAGE STRUCTURES			6.0			
SUB-TOTAL:			880.2			
TOTAL:			880			

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**SUMMARY OF QUANTITIES**

SHEET NO.  
**SQ-6**

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